

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071218\
 Data File : VN049784.D
 Acq On : 12 Jul 2018 21:54
 Operator : MD\SY
 Sample : VN0712WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0712WBS01

Manual Integrations
 APPROVED

MMDadoda
 7/13/2018 1:35:38 PM

Quant Time: Jul 13 05:08:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 12 15:51:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1184297	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1737053	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1566164	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	784801	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	661453	48.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.02%	
35) Dibromofluoromethane	7.59	113	628107	47.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.94%	
50) Toluene-d8	10.09	98	2089342	46.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.24%	
62) 4-Bromofluorobenzene	12.40	95	735644	45.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	201029	18.78	ug/l	99
3) Chloromethane	2.06	50	268720	19.09	ug/l	99
4) Vinyl Chloride	2.18	62	300771	19.63	ug/l	100
5) Bromomethane	2.57	94	177348	18.27	ug/l	98
6) Chloroethane	2.71	64	195356	18.55	ug/l	99
7) Trichlorofluoromethane	3.02	101	420189	18.71	ug/l	98
8) Diethyl Ether	3.42	74	146750	18.24	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	267484	18.35	ug/l	98
10) Methyl Iodide	3.96	142	342818	18.51	ug/l	100
11) Tert butyl alcohol	4.79	59	85976	93.24	ug/l	99
12) 1,1-Dichloroethene	3.74	96	230004	17.96	ug/l	99
13) Acrolein	3.61	56	70501	87.05	ug/l	98
14) Allyl chloride	4.33	41	371250	17.76	ug/l	99
15) Acrylonitrile	5.00	53	423415	91.69	ug/l	99
16) Acetone	3.82	43	302468	87.86	ug/l	99
17) Carbon Disulfide	4.06	76	626024	18.81	ug/l	100
18) Methyl Acetate	4.33	43	228135	19.37	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	667858	18.80	ug/l	99
20) Methylene Chloride	4.56	84	285206	19.62	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	250682	17.91	ug/l	99
22) Diisopropyl ether	5.96	45	832574	19.39	ug/l	99
23) Vinyl Acetate	5.90	43	2666776	92.69	ug/l	99
24) 1,1-Dichloroethane	5.85	63	509016	18.87	ug/l	99
25) 2-Butanone	6.84	43	472947	88.09	ug/l	100
26) 2,2-Dichloropropane	6.83	77	378774	16.92	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	296070	18.49	ug/l	99
28) Bromochloromethane	7.20	49	239176	19.50	ug/l	98
29) Tetrahydrofuran	7.22	42	310359	92.06	ug/l	100
30) Chloroform	7.37	83	527204	18.97	ug/l	99
31) Cyclohexane	7.66	56	405362	18.72	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	447694	18.97	ug/l	100
36) 1,1-Dichloropropene	7.80	75	364698	18.22	ug/l	100
37) Ethyl Acetate	6.94	43	225895	19.07	ug/l	100
38) Carbon Tetrachloride	7.78	117	390104	18.64	ug/l	98

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Manual Integrations
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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	372720	17.66	ug/l	99
40) Benzene	8.05	78	1131361	18.89	ug/l	99
41) Methacrylonitrile	7.17	41	92465	13.80	ug/l #	75
42) 1,2-Dichloroethane	8.13	62	367925	18.78	ug/l	100
43) Isopropyl Acetate	8.17	43	397529	18.67	ug/l	97
44) Trichloroethene	8.84	130	294611	18.27	ug/l	99
45) 1,2-Dichloropropane	9.12	63	306435	19.04	ug/l	97
46) Dibromomethane	9.21	93	178292	18.65	ug/l	99
47) Bromodichloromethane	9.41	83	396918	18.86	ug/l	98
48) Methyl methacrylate	9.20	41	195051	18.32	ug/l	97
49) 1,4-Dioxane	9.20	88	52272	374.65	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	1108543	95.87	ug/l	100
52) Toluene	10.16	92	688585	19.21	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	367489	18.15	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	428060	18.56	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	265511	19.16	ug/l	99
56) Ethyl methacrylate	10.43	69	299291	18.50	ug/l	98
57) 1,3-Dichloropropane	10.71	76	429392	18.81	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	734157	94.63	ug/l	100
59) 2-Hexanone	10.75	43	691463	89.95	ug/l	98
60) Dibromochloromethane	10.90	129	294821	18.78	ug/l	99
61) 1,2-Dibromoethane	11.01	107	240014	18.40	ug/l	98
64) Tetrachloroethene	10.63	164	268007	18.85	ug/l	98
65) Chlorobenzene	11.44	112	759893	18.62	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	291171	18.97	ug/l	99
67) Ethyl Benzene	11.51	91	1253088	18.76	ug/l	100
68) m/p-Xylenes	11.62	106	970159	38.69	ug/l	99
69) o-Xylene	11.95	106	468007	19.32	ug/l	98
70) Styrene	11.97	104	751543	19.53	ug/l	100
71) Bromoform	12.13	173	196375	18.93	ug/l #	98
73) Isopropylbenzene	12.25	105	1252115	19.20	ug/l	99
74) N-amyl acetate	12.07	43	319751	18.85	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	315679	19.82	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	258863m	18.57	ug/l	
77) Bromobenzene	12.53	156	324966	18.78	ug/l	99
78) n-propylbenzene	12.59	91	1408769	19.16	ug/l	100
79) 2-Chlorotoluene	12.68	91	872321	19.38	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1026081	19.80	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	73424	17.01	ug/l	99
82) 4-Chlorotoluene	12.77	91	858018	19.22	ug/l	100
83) tert-Butylbenzene	12.99	119	896896	19.34	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1035572	19.92	ug/l	99
85) sec-Butylbenzene	13.17	105	1182643	19.46	ug/l	99
86) p-Isopropyltoluene	13.29	119	998309	19.41	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	567436	18.91	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	535812	18.37	ug/l	99
89) n-Butylbenzene	13.62	91	782274	18.42	ug/l	99
90) Hexachloroethane	13.88	117	194405	19.01	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	561486	19.18	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	46720	19.97	ug/l	96

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Instrument :
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ClientSampleId :
VN0712WBS01

Manual Integrations
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QLast Update : Thu Jul 12 15:51:38 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	249652	17.51	ug/l	100
94) Hexachlorobutadiene	15.01	225	179082	19.33	ug/l	99
95) Naphthalene	15.14	128	490102	17.01	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	259609	18.28	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

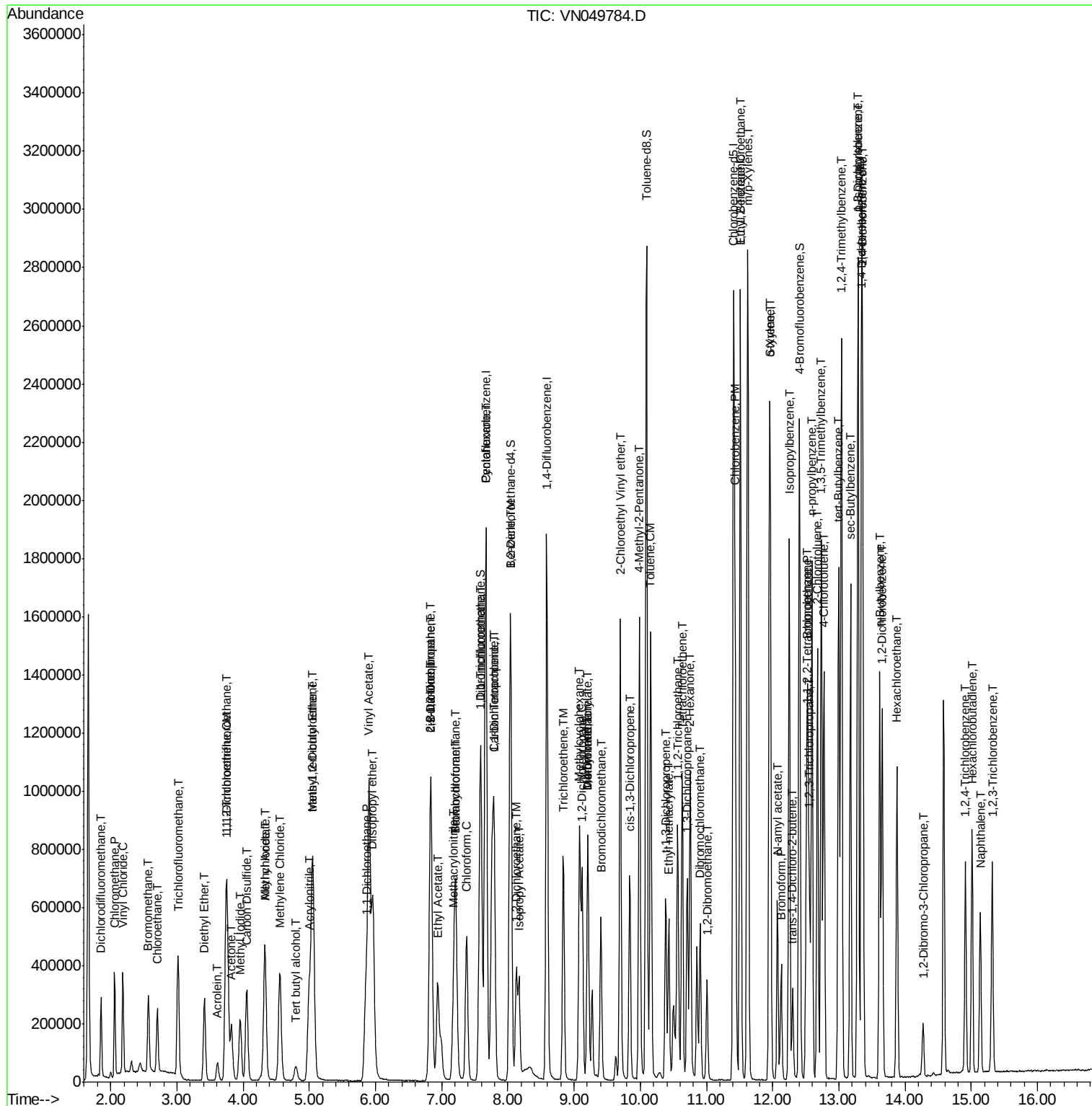
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071218\
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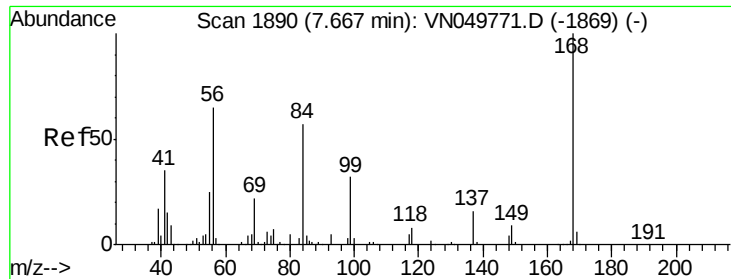
Instrument :
MSVOA_N
Client Sample Id :
VN0712WBS01

Manual Integrations
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN049784.D

Acq: 12 Jul 2018 21:54

Instrument :

MSVOA_N

ClientSampled :

VN0712WBS01

Tot Ion:168 Resp: 1184297

Ion Ratio Lower Upper

168 100

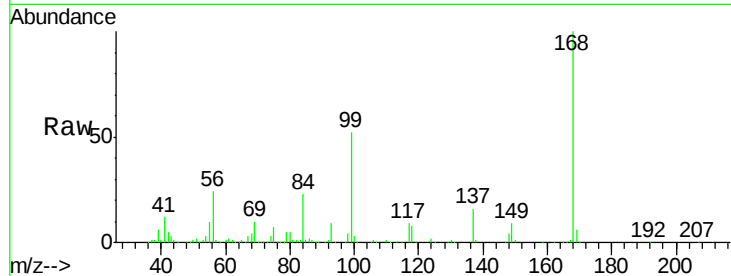
99 51.9 40.6 61.0

Manual Integrations

APPROVED

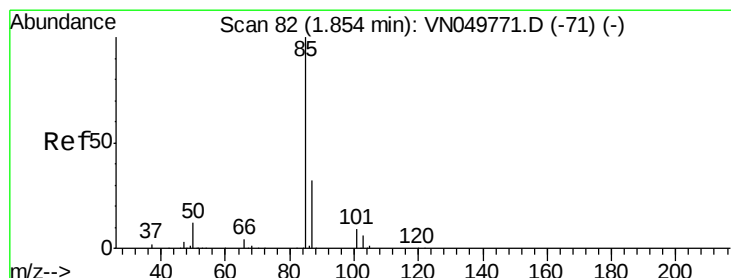
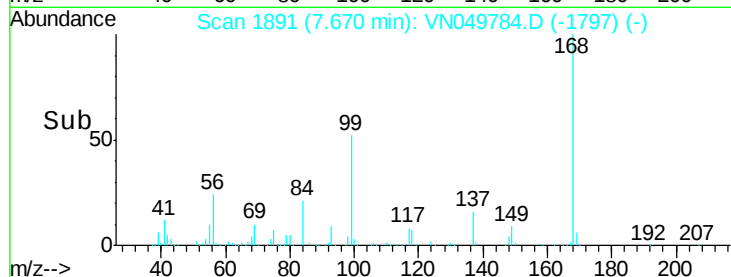
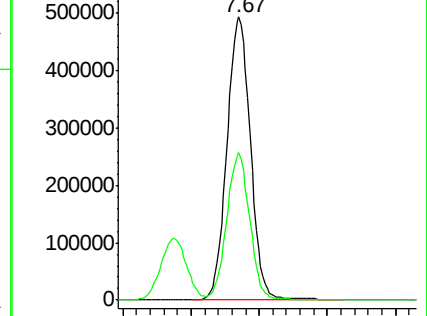
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 18.78 ug/l

RT: 1.85 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN049784.D

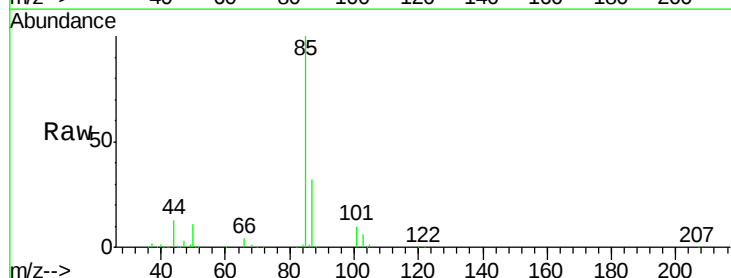
Acq: 12 Jul 2018 21:54

Tgt Ion: 85 Resp: 201029

Ion Ratio Lower Upper

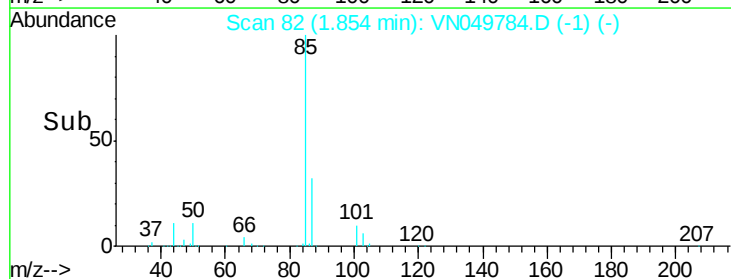
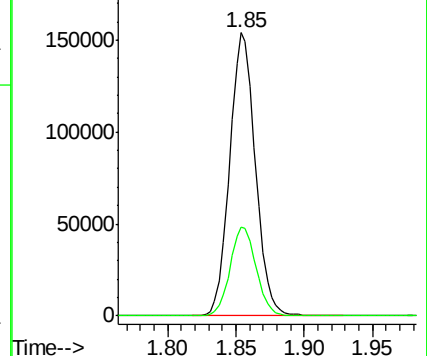
85 100

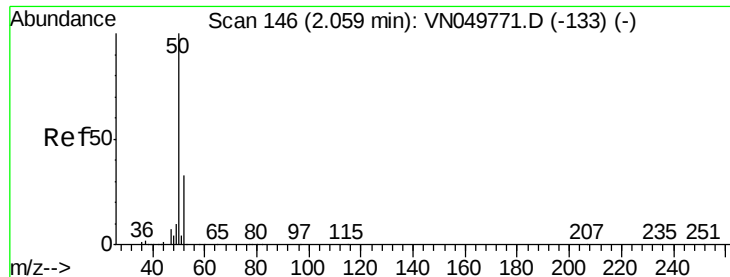
87 31.5 15.4 46.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 19.09 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN049784.D

Acq: 12 Jul 2018 21:54

Instrument :

MSVOA_N

ClientSampleId :

VN0712WBS01

Tot Ion: 50 Resp: 268720

Ion Ratio Lower Upper

50 100

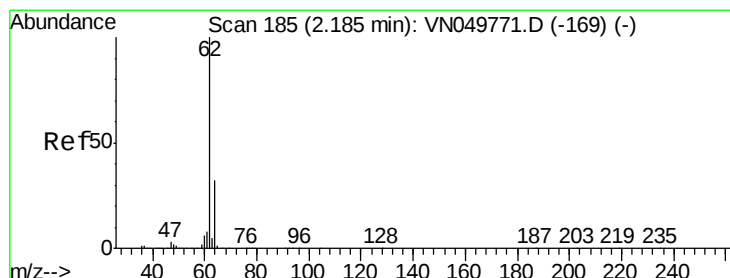
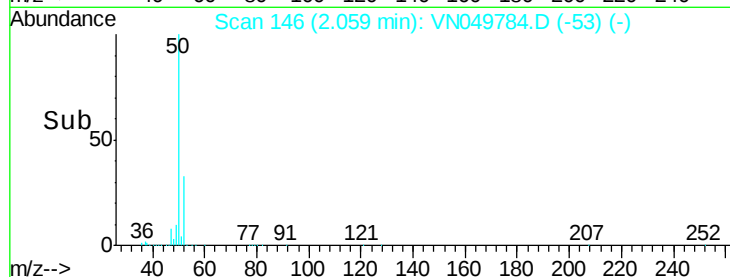
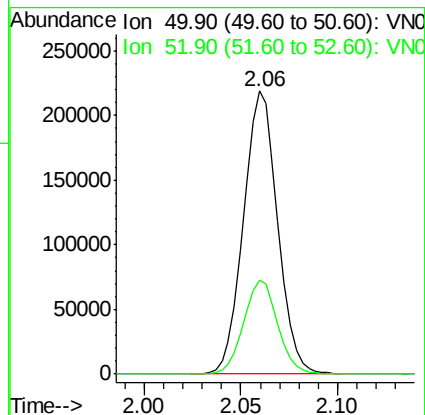
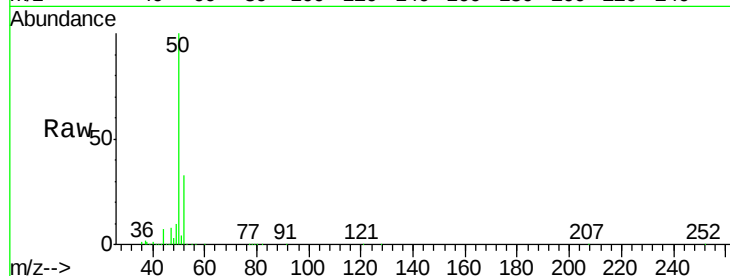
52 33.2 26.1 39.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.63 ug/l

RT: 2.18 min Scan# 185

Delta R.T. 0.00 min

Lab File: VN049784.D

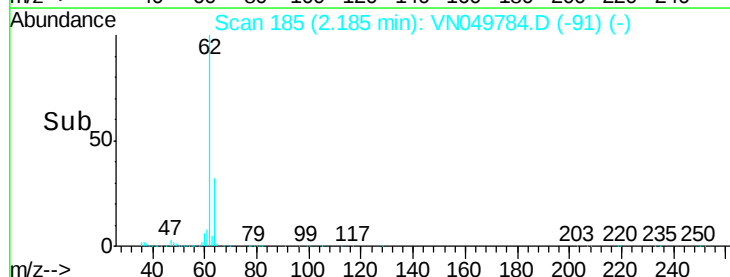
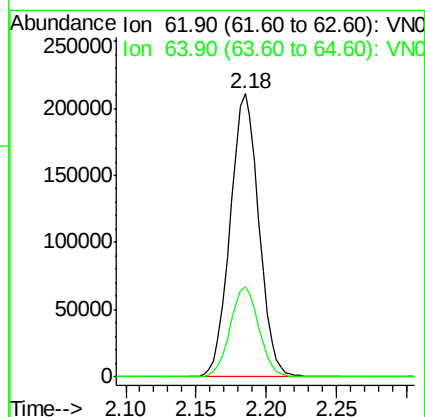
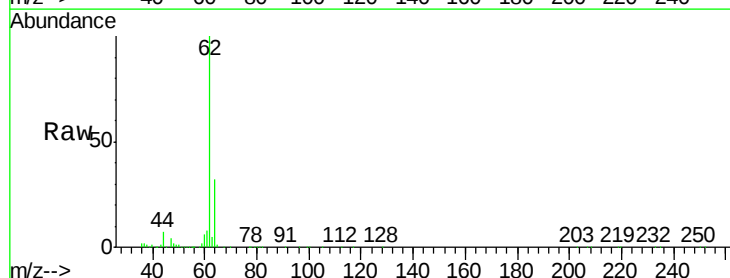
Acq: 12 Jul 2018 21:54

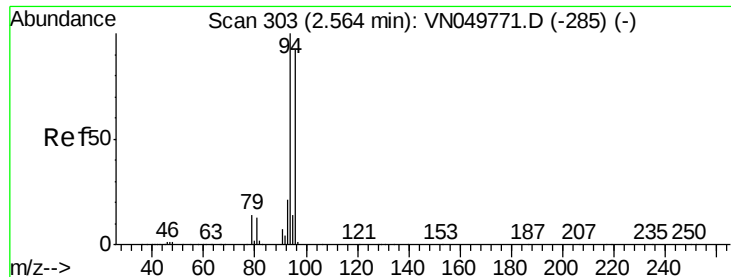
Tgt Ion: 62 Resp: 300771

Ion Ratio Lower Upper

62 100

64 31.6 25.4 38.0





#5

Bromomethane

Concen: 18.27 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.00 min

Lab File: VN049784.D

Acq: 12 Jul 2018 21:54

Instrument :

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Tot Ion: 94 Resp: 177348

Ion Ratio Lower Upper

94 100

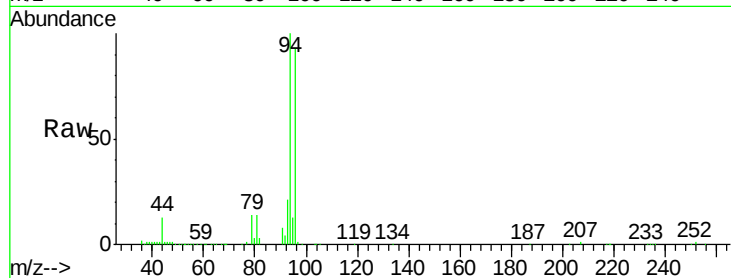
96 92.9 75.7 113.5

Manual Integrations

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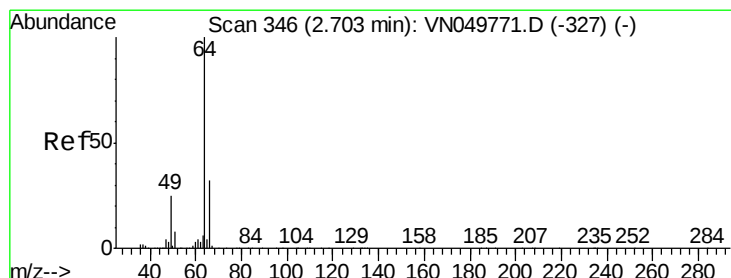
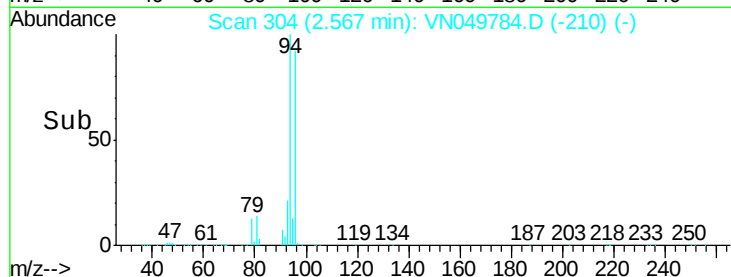
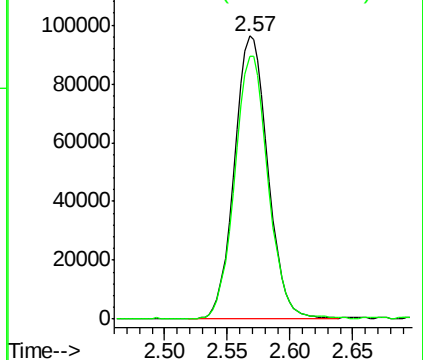
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.55 ug/l

RT: 2.71 min Scan# 347

Delta R.T. 0.00 min

Lab File: VN049784.D

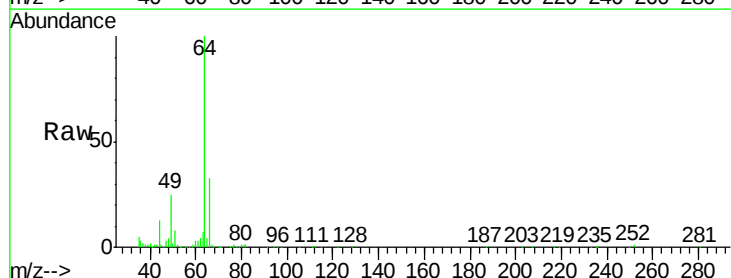
Acq: 12 Jul 2018 21:54

Tgt Ion: 64 Resp: 195356

Ion Ratio Lower Upper

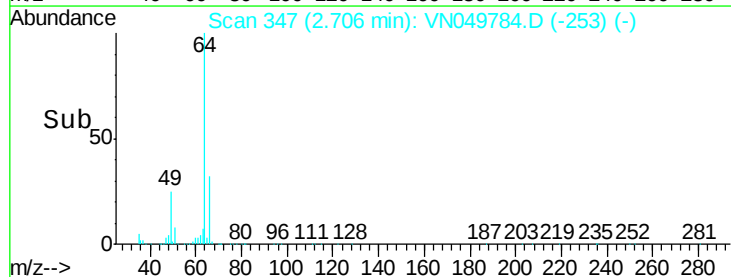
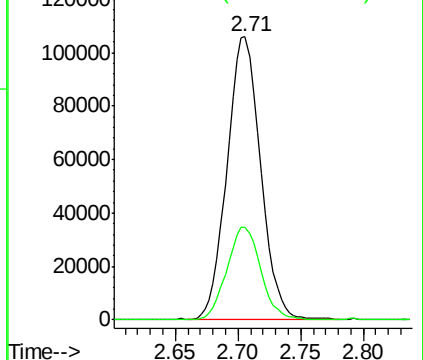
64 100

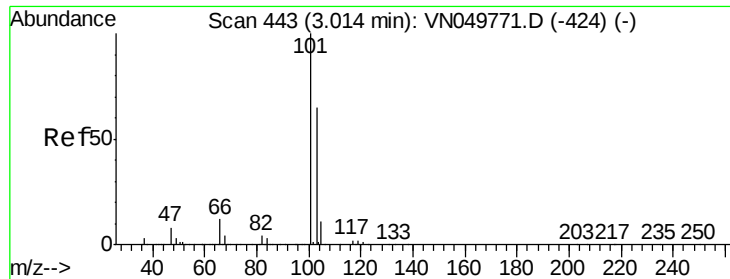
66 32.6 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

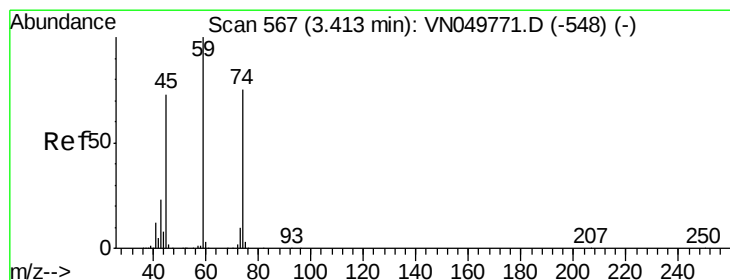
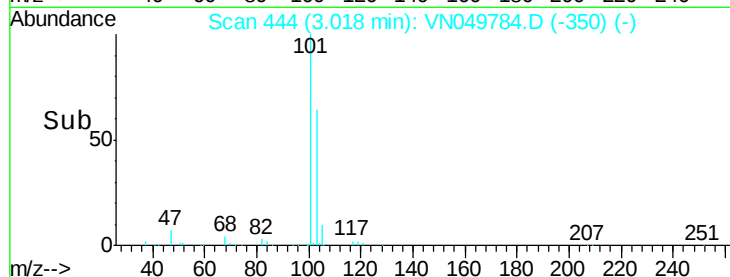
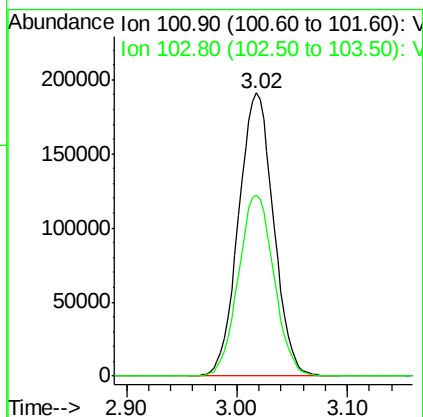
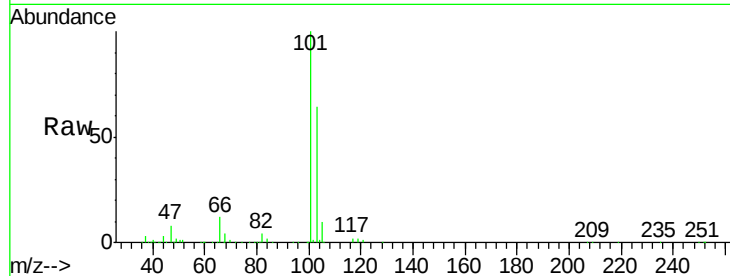
Trichlorofluoromethane
Concen: 18.71 ug/l
RT: 3.02 min Scan# 444
Delta R.T. 0.00 min
Lab File: VN049784.D
Acq: 12 Jul 2018 21:54

Instrument :
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ClientSampleId :
VN0712WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.1	52.8	79.2

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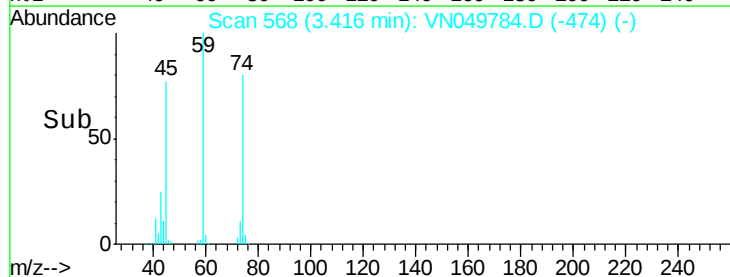
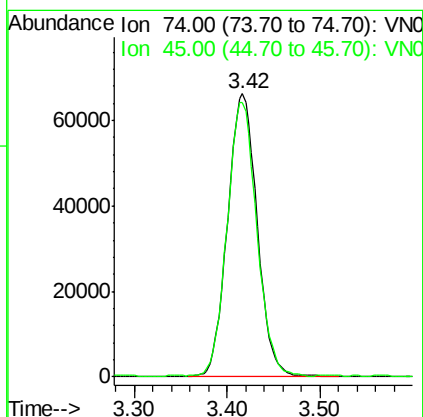
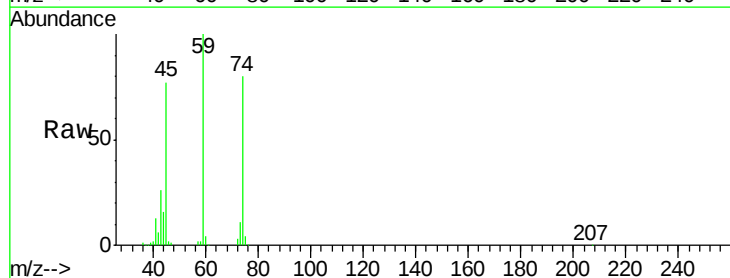
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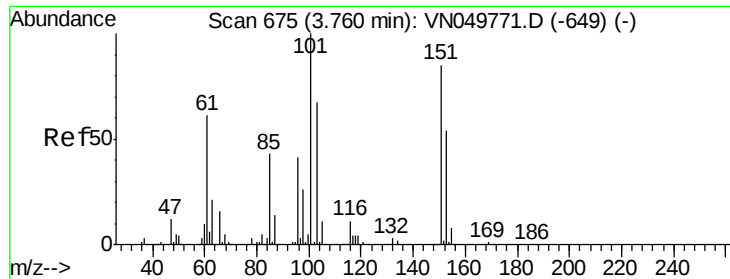


#8

Diethyl Ether
Concen: 18.24 ug/l
RT: 3.42 min Scan# 568
Delta R.T. 0.00 min
Lab File: VN049784.D
Acq: 12 Jul 2018 21:54

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.6	48.4	145.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.35 ug/l

RT: 3.76 min Scan# 676

Delta R.T. 0.00 min

Lab File: VN049784.D

Acq: 12 Jul 2018 21:54

Instrument :

MSVOA_N

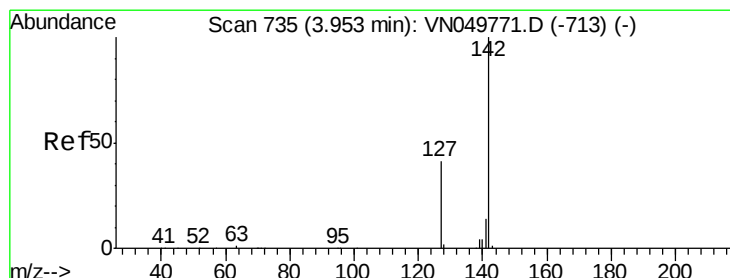
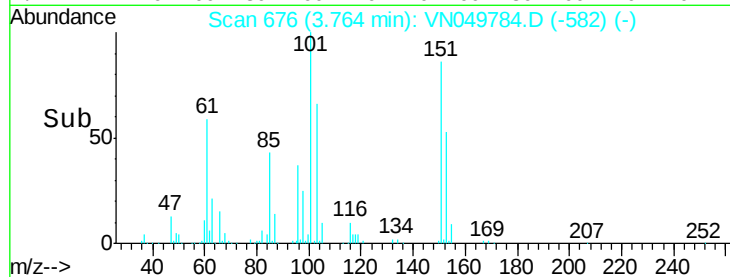
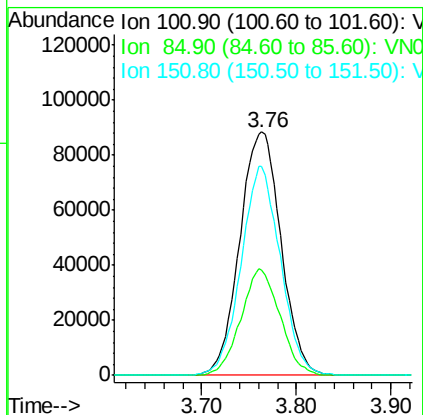
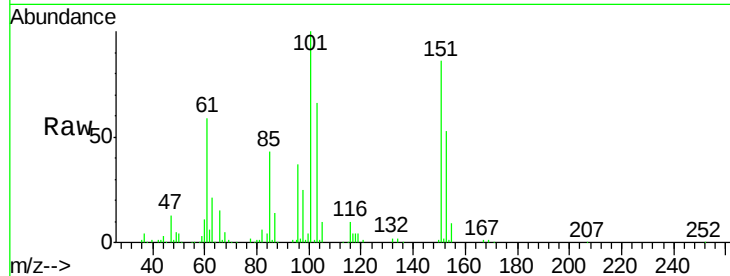
ClientSampleId :

VN0712WBS01

Tot Ion:	101	Resp:	267484
Ion Ratio	Lower	Upper	
101	100		
85	41.5	34.4	51.6
151	81.7	66.2	99.4

Manual Integrations
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#10

Methyl Iodide

Concen: 18.51 ug/l

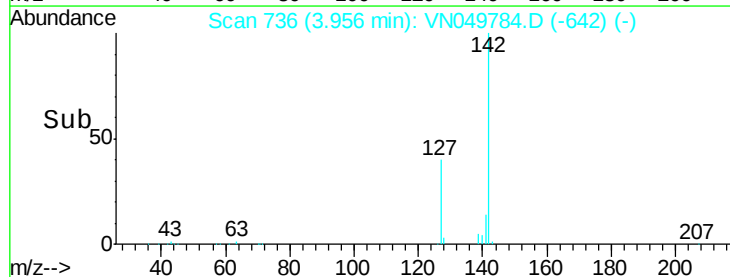
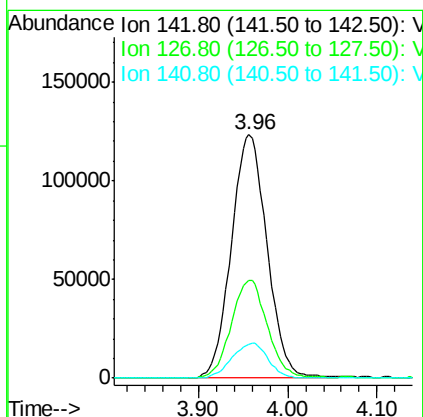
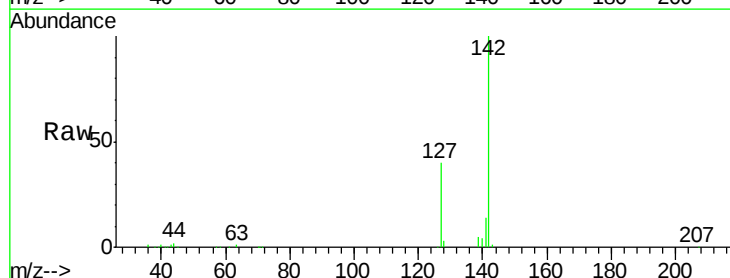
RT: 3.96 min Scan# 736

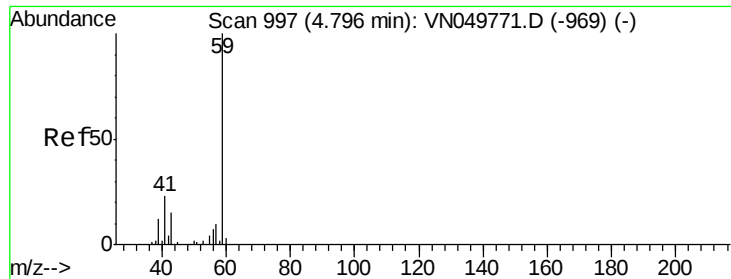
Delta R.T. 0.00 min

Lab File: VN049784.D

Acq: 12 Jul 2018 21:54

Tgt Ion:	142	Resp:	342818
Ion Ratio	Lower	Upper	
142	100		
127	40.8	32.5	48.7
141	14.3	11.1	16.7





#11

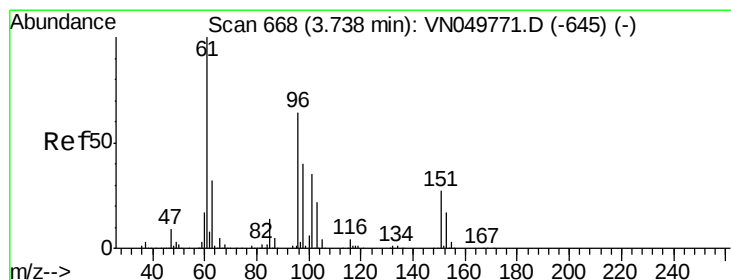
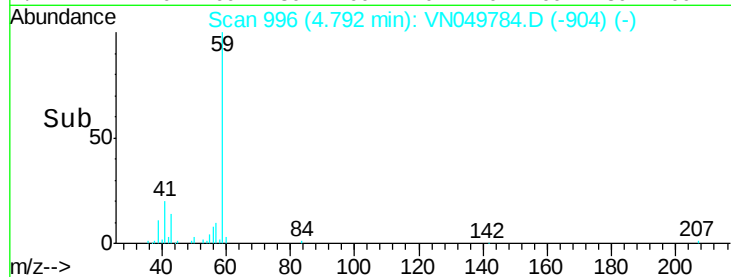
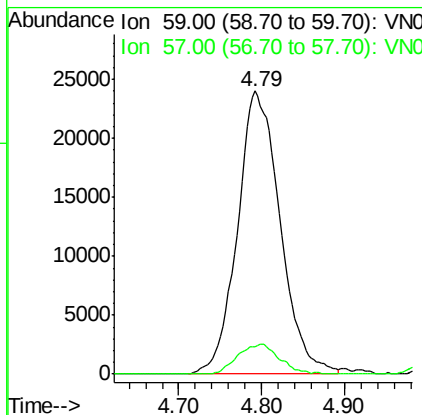
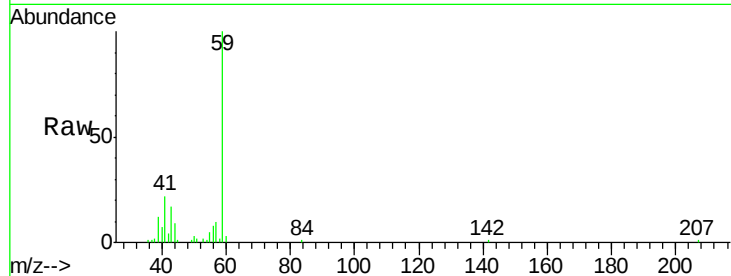
Tert butyl alcohol
Concen: 93.24 ug/l
RT: 4.79 min Scan# 996
Delta R.T. -0.00 min
Lab File: VN049784.D
Acq: 12 Jul 2018 21:54

Instrument :
MSVOA_N
ClientSampled :
VN0712WBS01

Tot Ion	59	57	Ratio	100	10.3	Resp	85976	Lower	8.5	Upper	12.7
Ion	59	57	Ratio	100	10.3	Resp	85976	Lower	8.5	Upper	12.7

Manual Integrations
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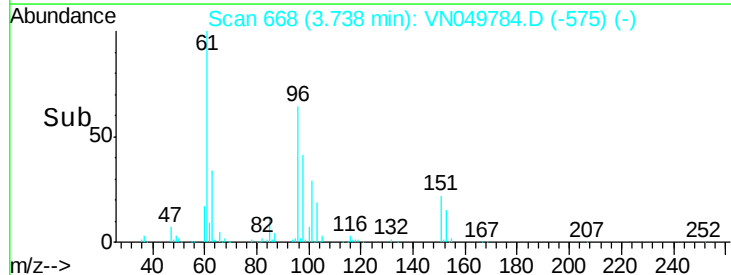
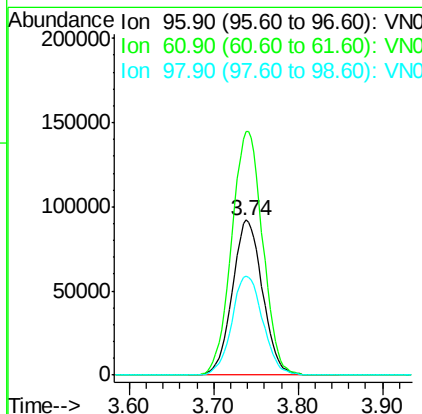
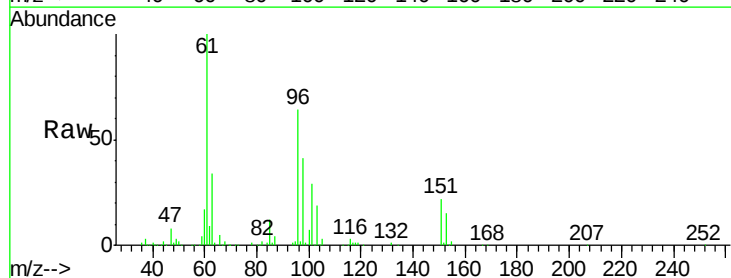
MMDadoda
7/13/2018 1:35:38 PM

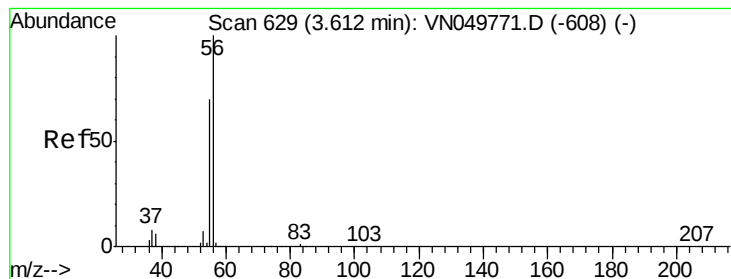


#12

1,1-Dichloroethene
Concen: 17.96 ug/l
RT: 3.74 min Scan# 668
Delta R.T. -0.00 min
Lab File: VN049784.D
Acq: 12 Jul 2018 21:54

Tgt Ion	96	61	98	Ratio	100	157.0	63.8	Resp	230004	Lower	126.5	Upper	189.7	76.6
Ion	96	61	98	Ratio	100	157.0	63.8	Resp	230004	Lower	126.5	Upper	189.7	76.6





#13

Acrolein

Concen: 87.05 ug/l

RT: 3.61 min Scan# 629

Delta R.T. -0.00 min

Lab File: VN049784.D

Acq: 12 Jul 2018 21:54

Instrument :

MSVOA_N

ClientSampleId :

VN0712WBS01

Tot Ion: 56 Resp: 70501

Ion Ratio Lower Upper

56 100

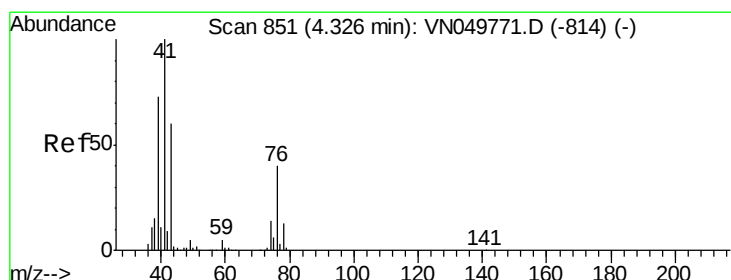
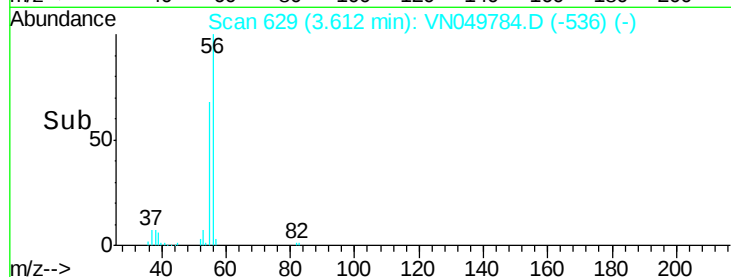
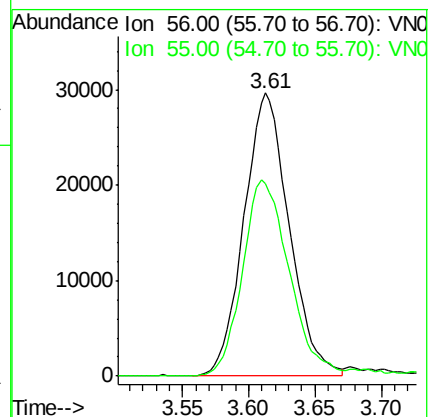
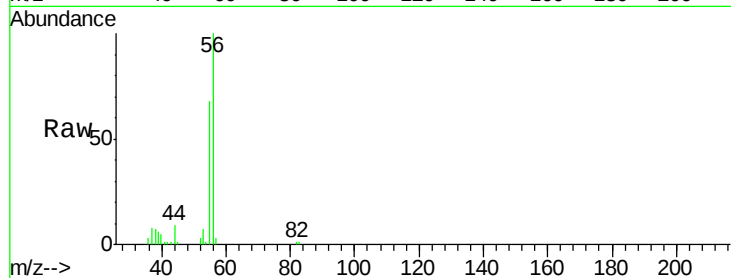
55 71.5 55.8 83.8

Manual Integrations

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MMDadoda

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#14

Allyl chloride

Concen: 17.76 ug/l

RT: 4.33 min Scan# 852

Delta R.T. 0.00 min

Lab File: VN049784.D

Acq: 12 Jul 2018 21:54

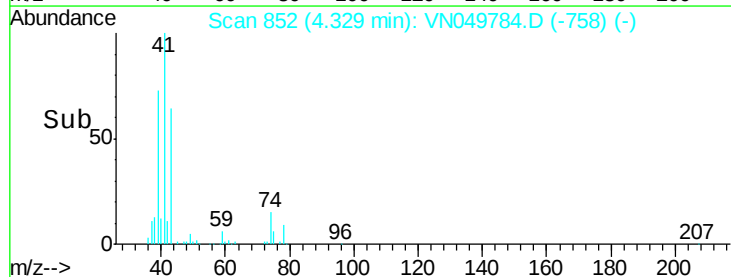
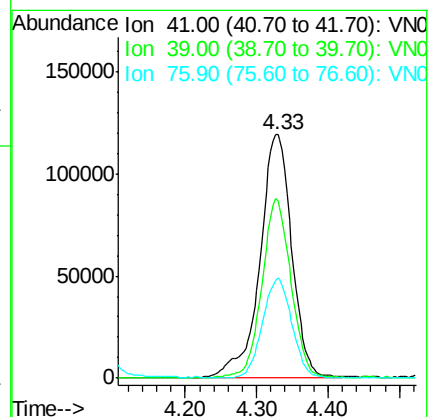
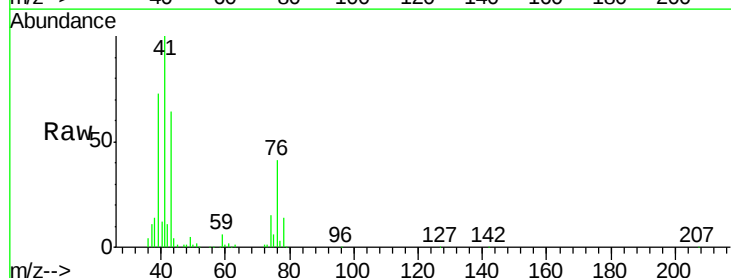
Tgt Ion: 41 Resp: 371250

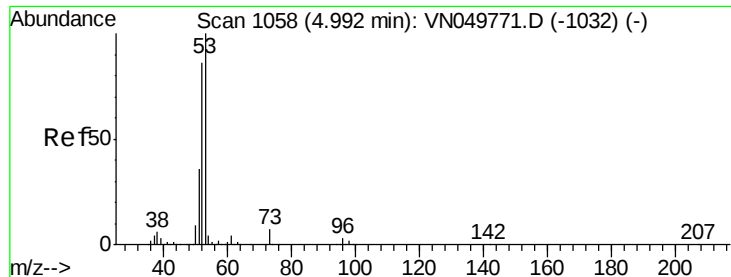
Ion Ratio Lower Upper

41 100

39 66.9 53.2 79.8

76 37.1 29.0 43.6





#15

Acrylonitrile

Concen: 91.69 ug/l

RT: 5.00 min Scan# 1059

Delta R.T. 0.00 min

Lab File: VN049784.D

Acq: 12 Jul 2018 21:54

Instrument :

MSVOA_N

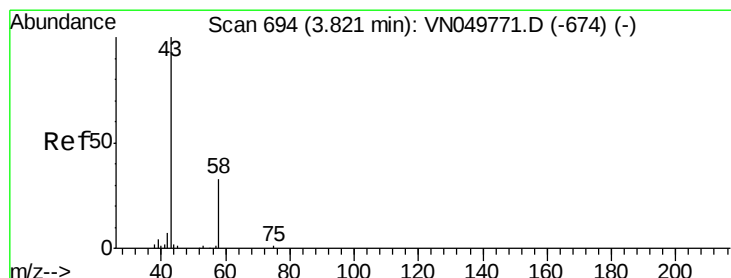
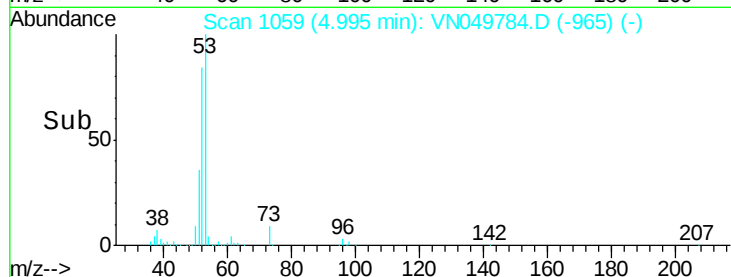
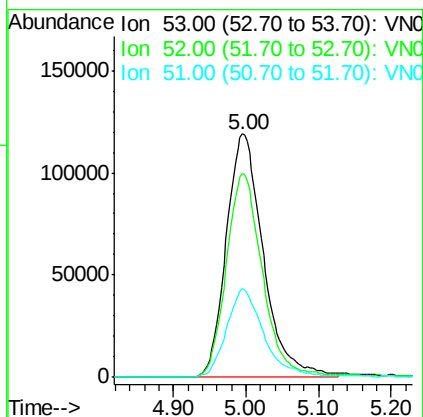
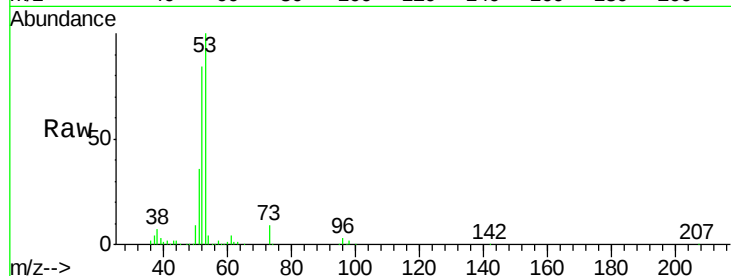
ClientSampleId :

VN0712WBS01

Tot Ion:	53	Resp:	423415
Ion	Ratio	Lower	Upper
53	100		
52	80.4	64.8	97.2
51	36.5	28.9	43.3

Manual Integrations
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7/13/2018 1:35:38 PM



#16

Acetone

Concen: 87.86 ug/l

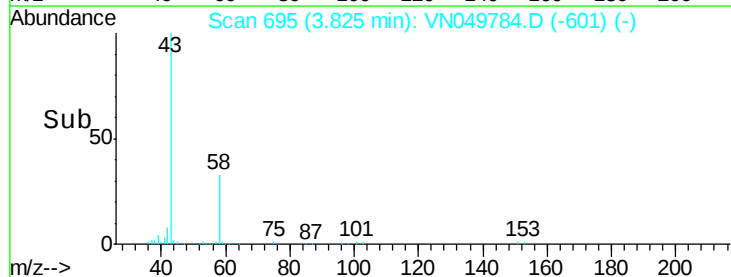
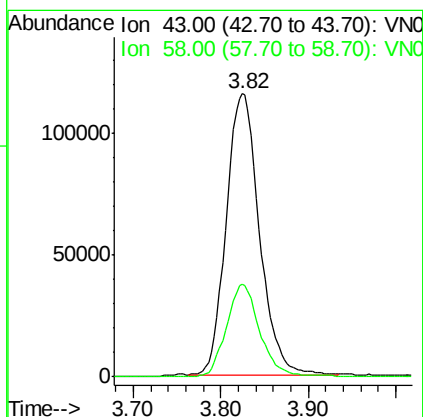
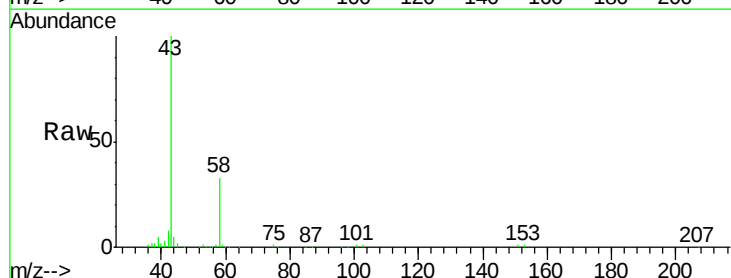
RT: 3.82 min Scan# 695

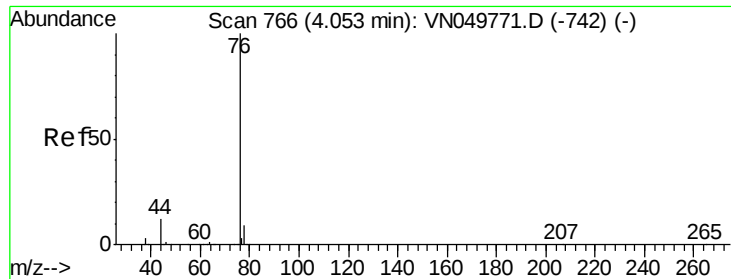
Delta R.T. 0.00 min

Lab File: VN049784.D

Acq: 12 Jul 2018 21:54

Tgt Ion:	43	Resp:	302468
Ion	Ratio	Lower	Upper
43	100		
58	33.0	25.9	38.9





#17

Carbon Disulfide

Concen: 18.81 ug/l

RT: 4.06 min Scan# 767

Delta R.T. 0.00 min

Lab File: VN049784.D

Acq: 12 Jul 2018 21:54

Instrument :

MSVOA_N

ClientSampleId :

VN0712WBS01

Tot Ion: 76 Resp: 626024

Ion Ratio Lower Upper

76 100

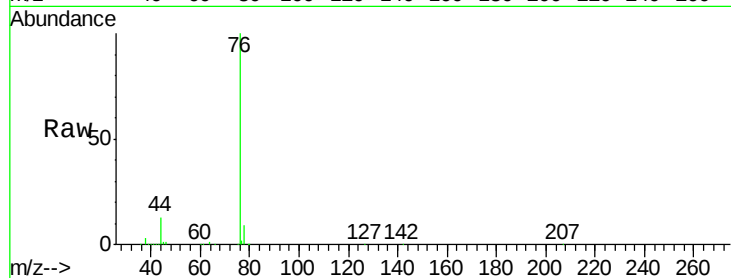
78 9.0 7.1 10.7

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.06

250000

200000

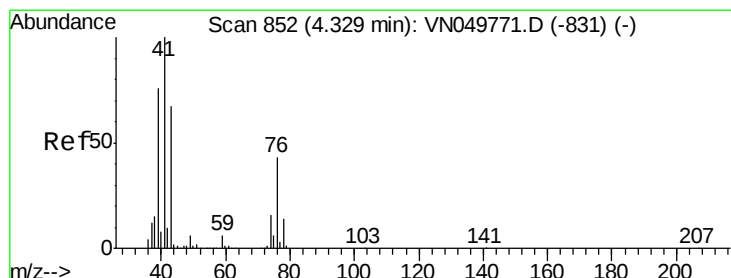
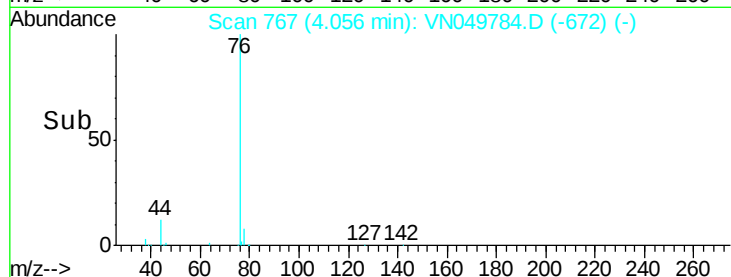
150000

100000

50000

0

Time--> 3.90 4.00 4.10 4.20



#18

Methyl Acetate

Concen: 19.37 ug/l

RT: 4.33 min Scan# 853

Delta R.T. 0.00 min

Lab File: VN049784.D

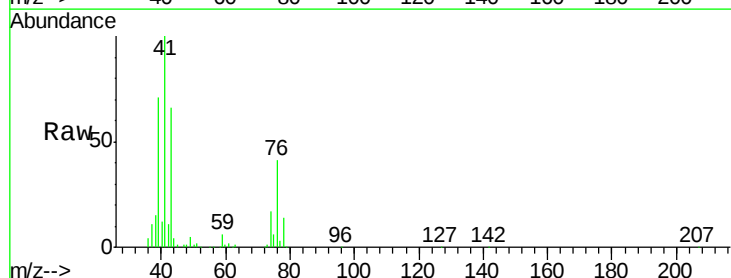
Acq: 12 Jul 2018 21:54

Tgt Ion: 43 Resp: 228135

Ion Ratio Lower Upper

43 100

74 25.0 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.33

80000

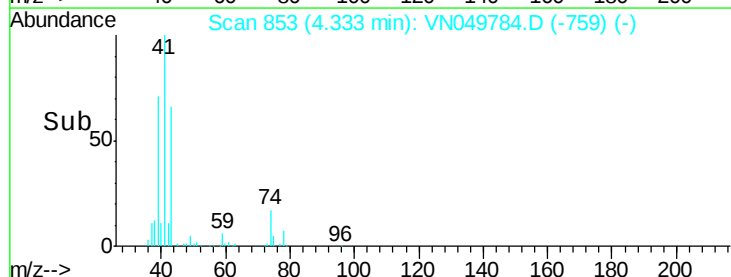
60000

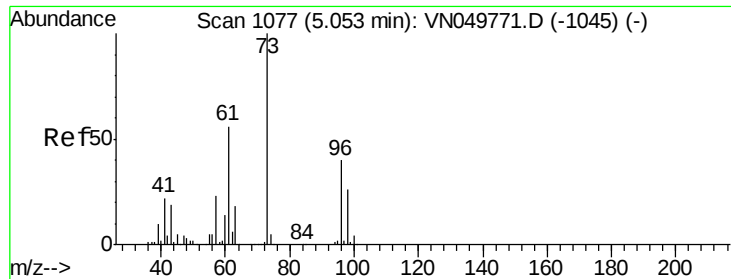
40000

20000

0

Time--> 4.20 4.30 4.40 4.50





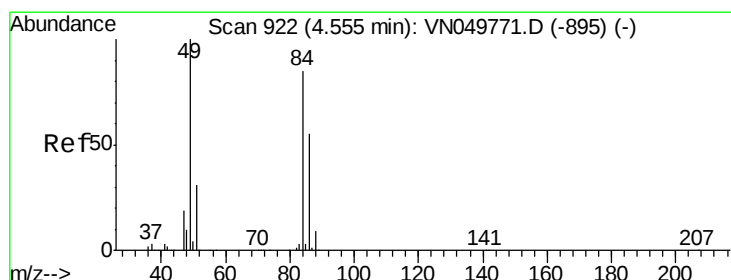
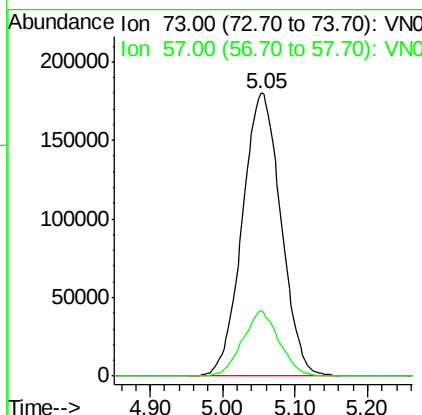
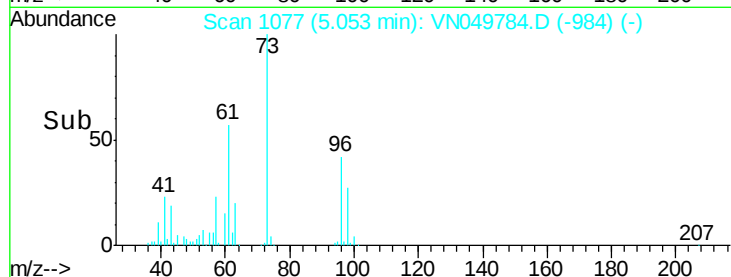
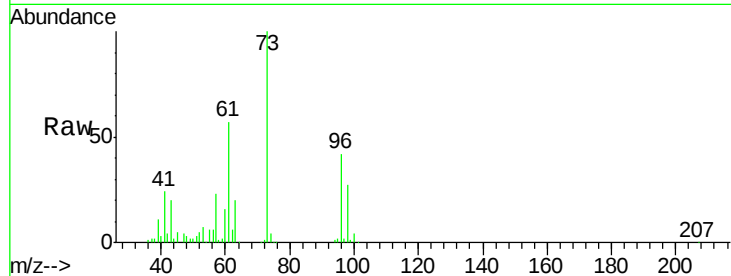
#19
Methvl tert-butvl Ether
Concen: 18.80 ug/l
RT: 5.05 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VN049784.D
Acq: 12 Jul 2018 21:54

Instrument :
MSVOA_N
ClientSampleId :
VN0712WBS01

Tot Ion: 73 Resp: 667858
Ion Ratio Lower Upper
73 100
57 23.0 18.1 27.1

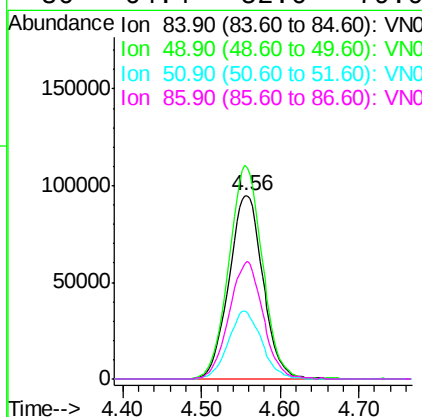
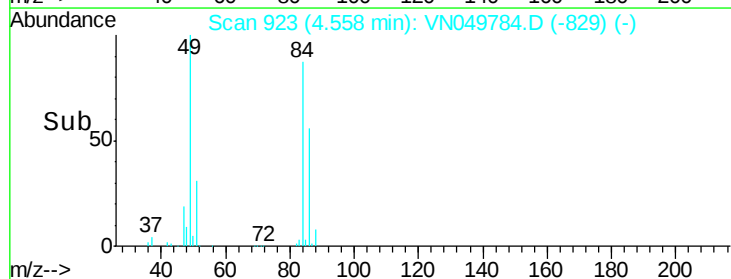
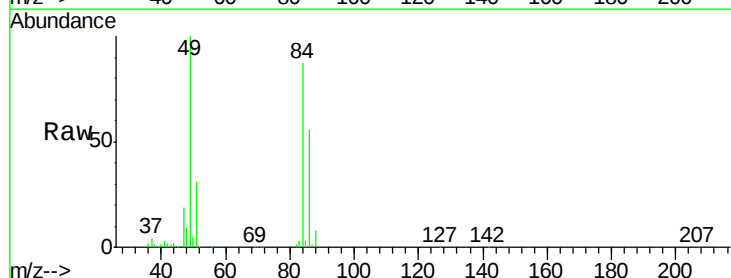
Manual Integrations
APPROVED

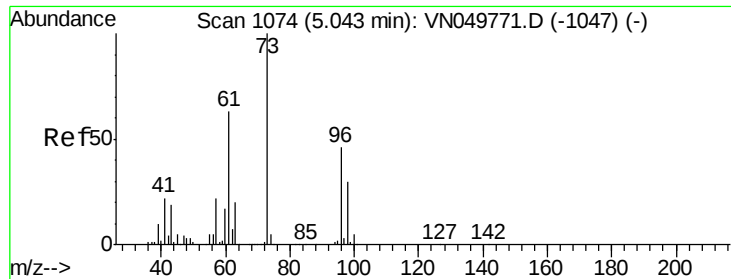
MMDadoda
7/13/2018 1:35:38 PM



#20
Methylene Chloride
Concen: 19.62 ug/l
RT: 4.56 min Scan# 923
Delta R.T. 0.00 min
Lab File: VN049784.D
Acq: 12 Jul 2018 21:54

Tgt Ion: 84 Resp: 285206
Ion Ratio Lower Upper
84 100
49 115.3 95.4 143.2
51 36.0 28.4 42.6
86 64.4 52.6 79.0





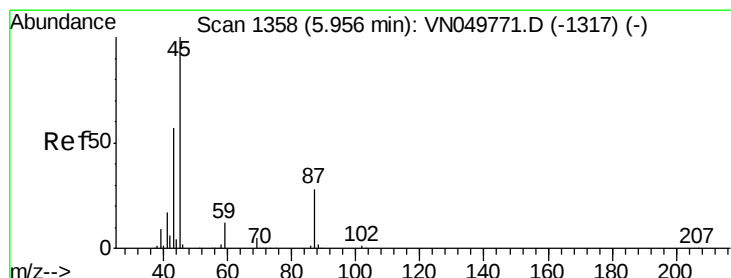
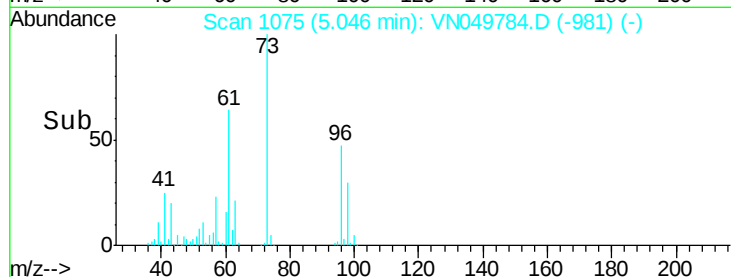
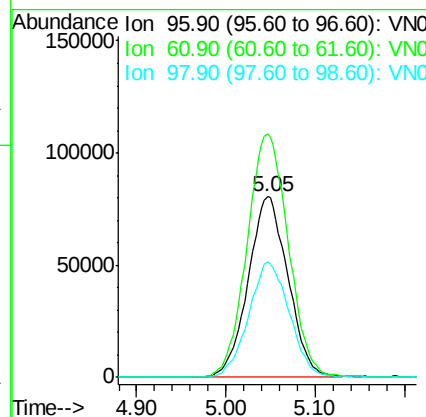
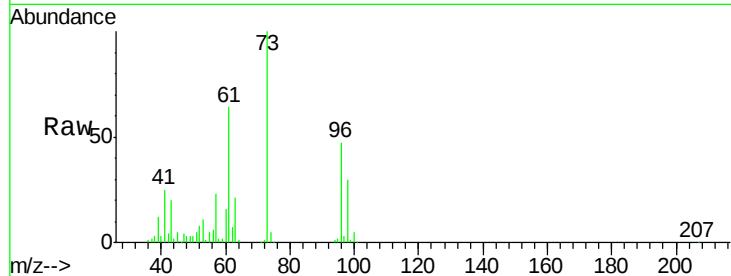
#21
trans-1,2-Dichloroethene
Concen: 17.91 ug/l
RT: 5.05 min Scan# 1075
Delta R.T. 0.00 min
Lab File: VN049784.D
Acq: 12 Jul 2018 21:54

Instrument :
MSVOA_N
ClientSampled :
VN0712WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	134.6	109.0	163.6
98	64.1	51.1	76.7

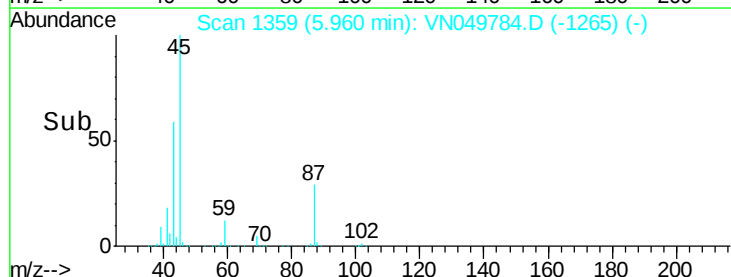
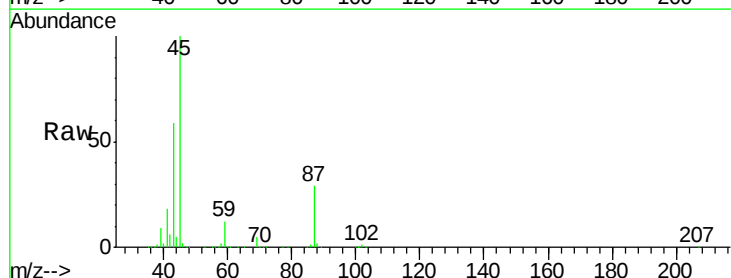
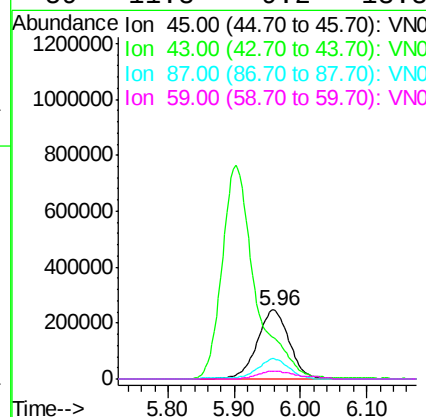
Manual Integrations
APPROVED

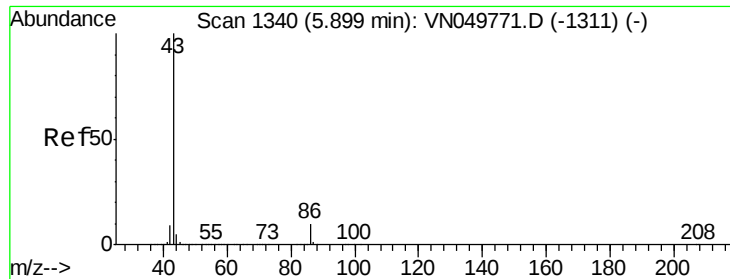
MMDadoda
7/13/2018 1:35:38 PM



#22
Diisopropyl ether
Concen: 19.39 ug/l
RT: 5.96 min Scan# 1359
Delta R.T. 0.00 min
Lab File: VN049784.D
Acq: 12 Jul 2018 21:54

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.8	48.1	72.1
87	28.8	22.6	34.0
59	11.8	9.2	13.8





#23

Vinyl Acetate

Concen: 92.69 ug/l

RT: 5.90 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VN049784.D

Acq: 12 Jul 2018 21:54

Instrument :

MSVOA_N

ClientSampleId :

VN0712WBS01

Tot Ion: 43 Resp: 2666776

Ion Ratio Lower Upper

43 100

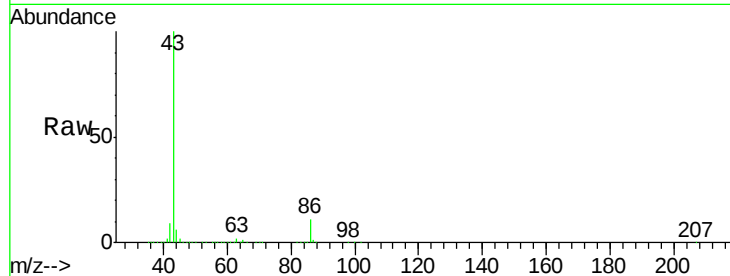
86 10.8 8.4 12.6

Manual Integrations

APPROVED

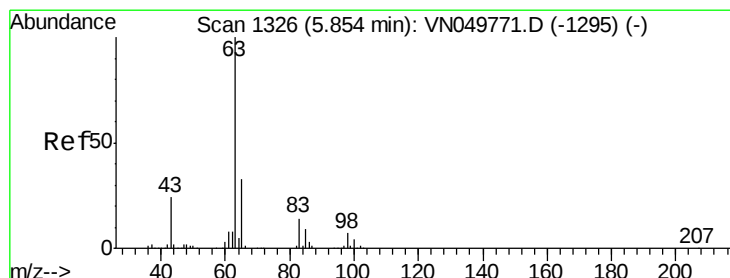
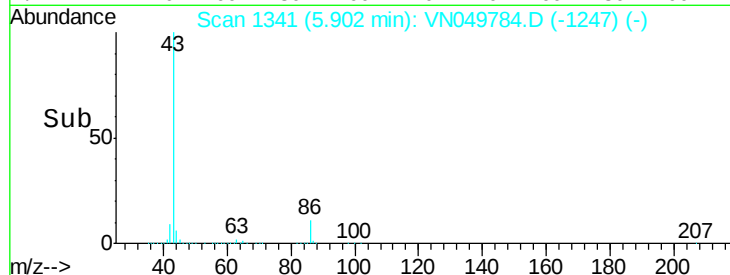
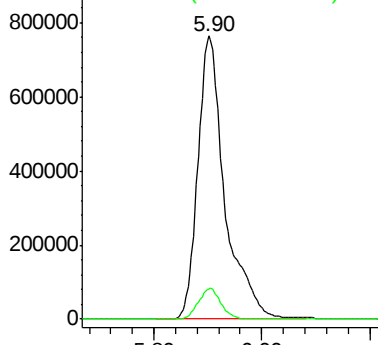
MMDadoda

7/13/2018 1:35:38 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 18.87 ug/l

RT: 5.85 min Scan# 1326

Delta R.T. -0.00 min

Lab File: VN049784.D

Acq: 12 Jul 2018 21:54

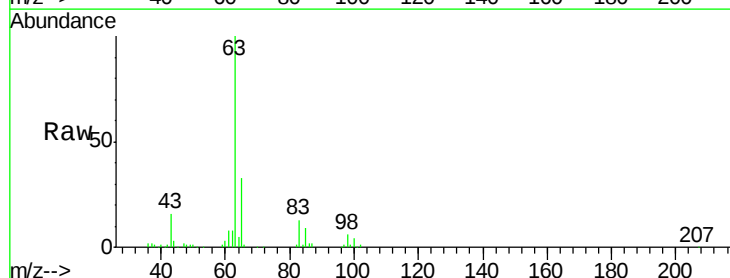
Tgt Ion: 63 Resp: 509016

Ion Ratio Lower Upper

63 100

98 6.5 3.4 10.2

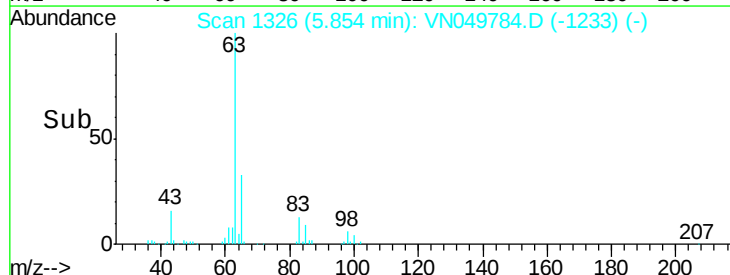
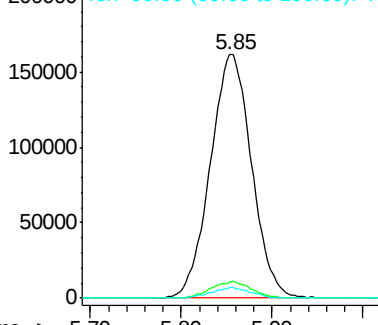
100 4.3 2.2 6.6

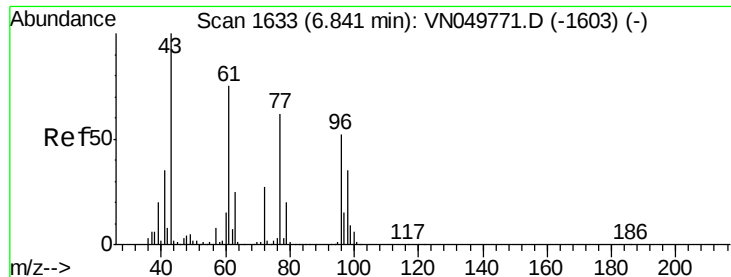


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





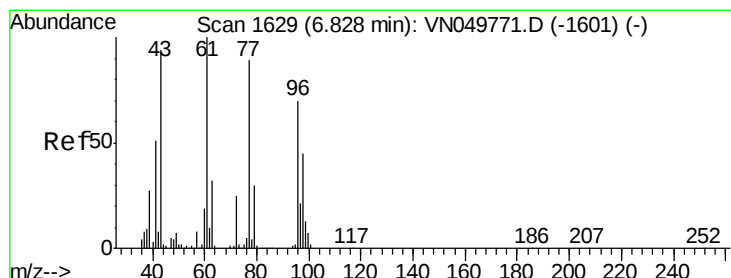
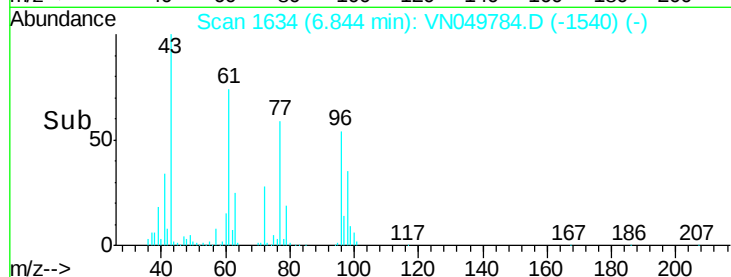
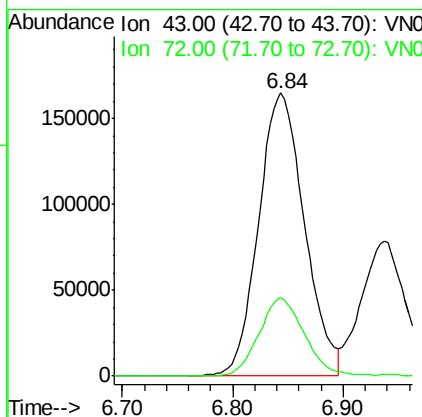
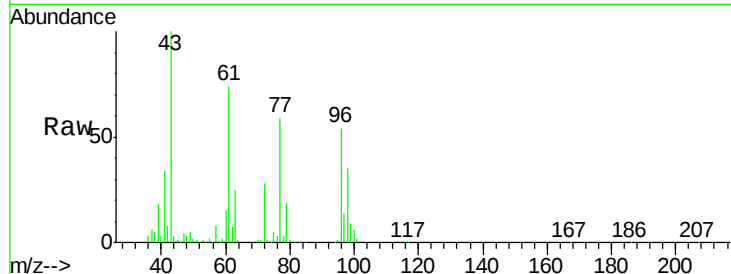
#25
2-Butanone
Concen: 88.09 ug/l
RT: 6.84 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VN049784.D
Acq: 12 Jul 2018 21:54

Instrument :
MSVOA_N
ClientSampleId :
VN0712WBS01

Tot Ion: 43 Resp: 472947
Ion Ratio Lower Upper
43 100
72 27.8 22.1 33.1

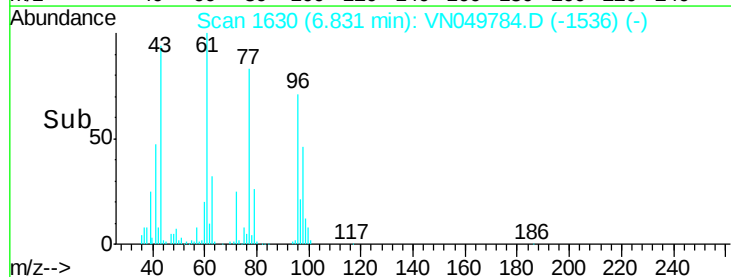
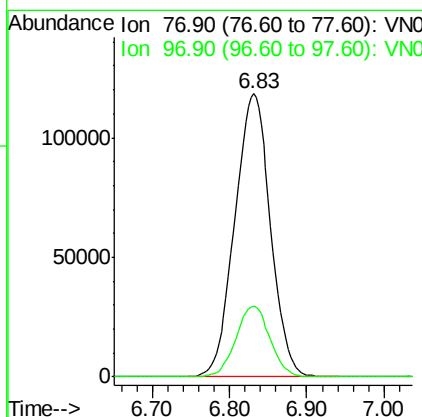
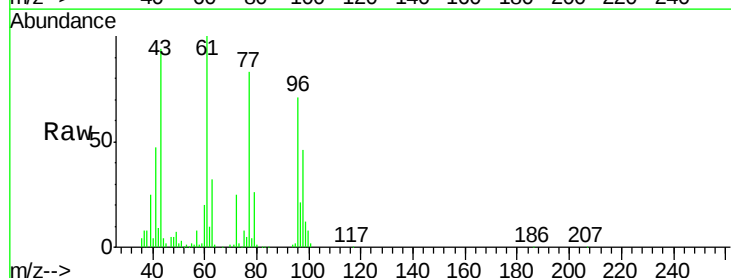
Manual Integrations
APPROVED

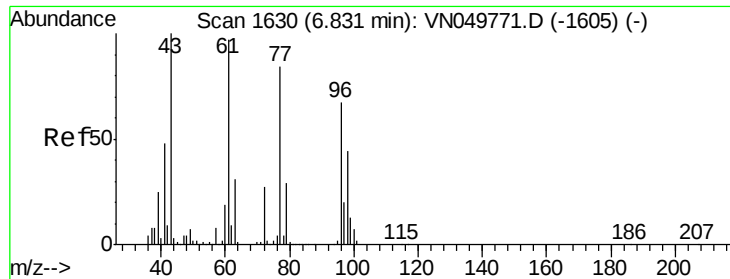
MMDadoda
7/13/2018 1:35:38 PM



#26
2,2-Dichloropropane
Concen: 16.92 ug/l
RT: 6.83 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VN049784.D
Acq: 12 Jul 2018 21:54

Tgt Ion: 77 Resp: 378774
Ion Ratio Lower Upper
77 100
97 23.8 11.9 35.5





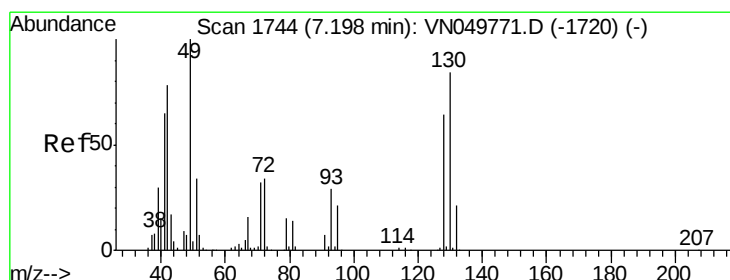
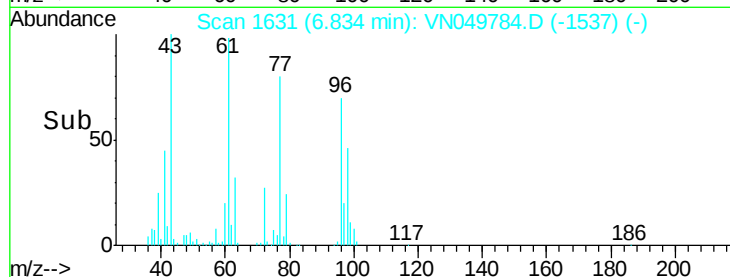
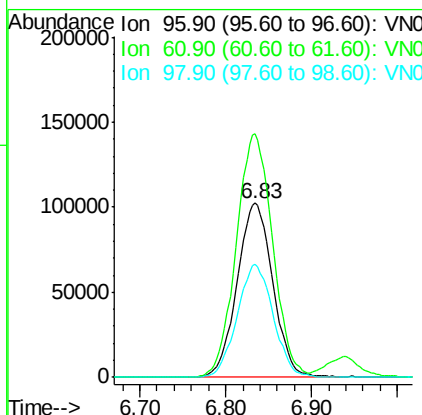
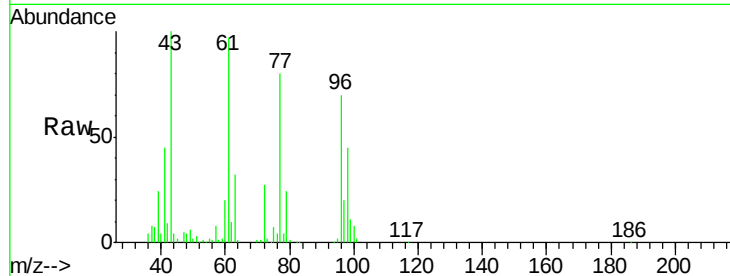
#27
 cis-1,2-Dichloroethene
 Concen: 18.49 ug/l
 RT: 6.83 min Scan# 1631
 Delta R.T. 0.00 min
 Lab File: VN049784.D
 Acq: 12 Jul 2018 21:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0712WBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	296070		
61	142.3	0.0	289.0	
98	65.4	0.0	130.2	

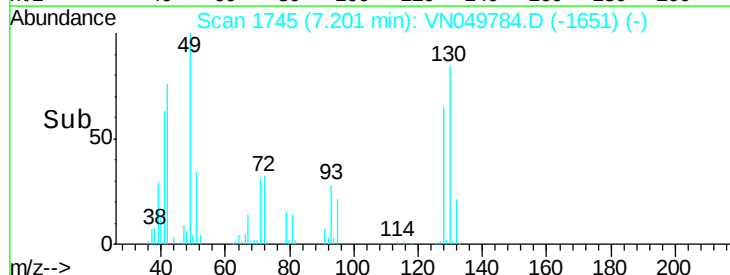
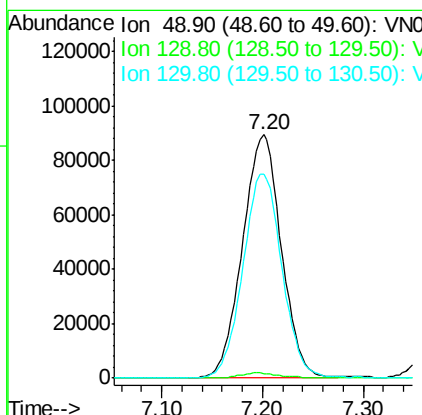
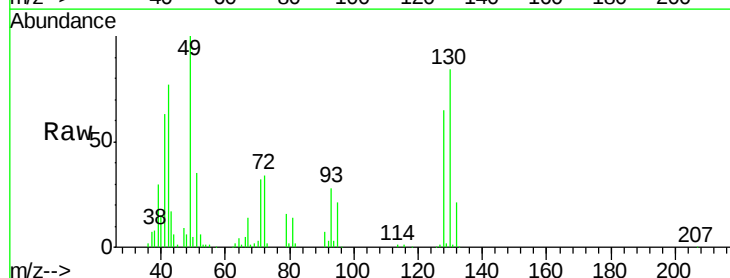
Manual Integrations
 APPROVED

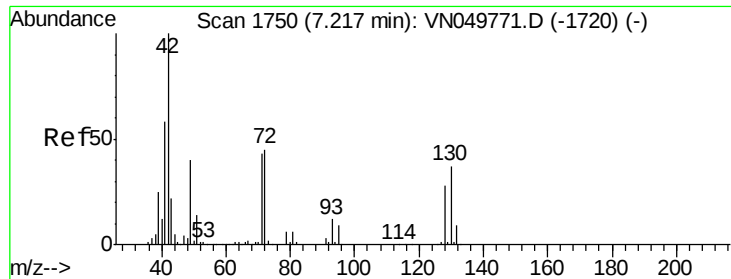
MMDadoda
 7/13/2018 1:35:38 PM



#28
 Bromochloromethane
 Concen: 19.50 ug/l
 RT: 7.20 min Scan# 1745
 Delta R.T. 0.00 min
 Lab File: VN049784.D
 Acq: 12 Jul 2018 21:54

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	239176		
129	2.2	0.0	4.2	
130	84.0	65.5	98.3	





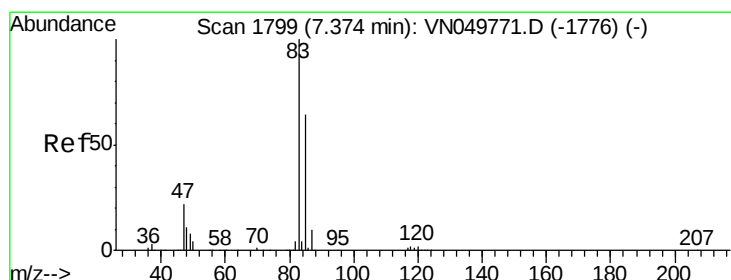
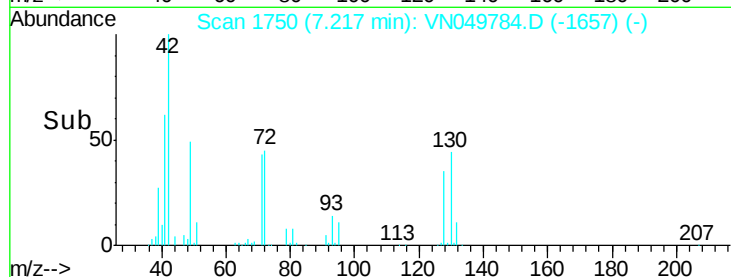
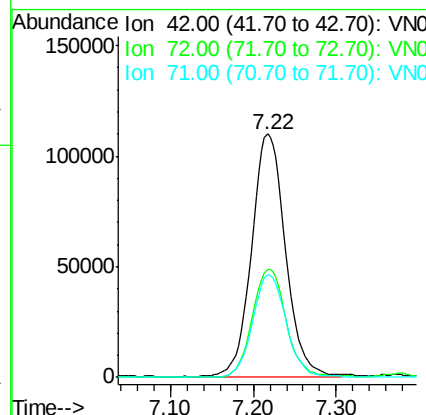
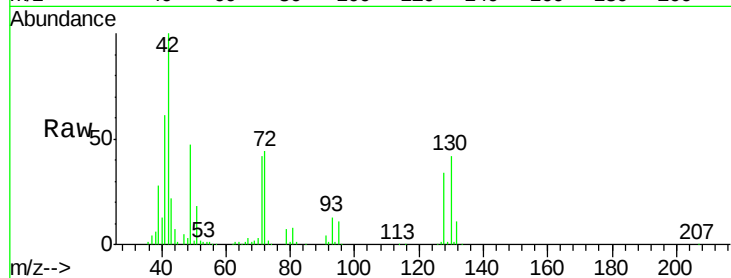
#29
Tetrahydrofuran
Concen: 92.06 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. -0.00 min
Lab File: VN049784.D
Acq: 12 Jul 2018 21:54

Instrument :
MSVOA_N
ClientSampleId :
VN0712WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.7	35.6	53.4
71	42.1	34.0	51.0

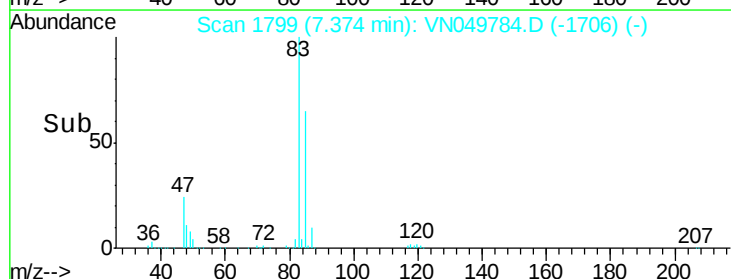
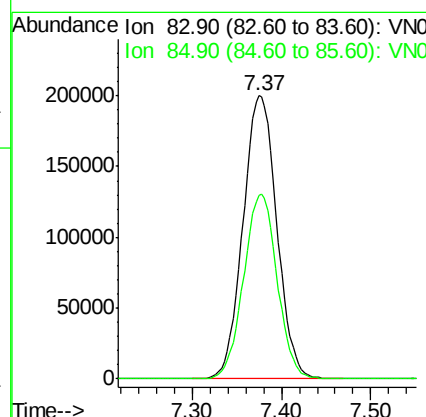
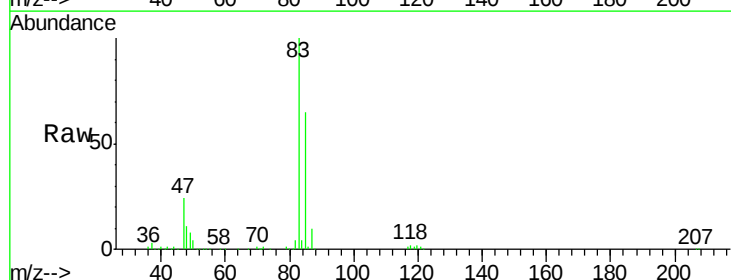
Manual Integrations
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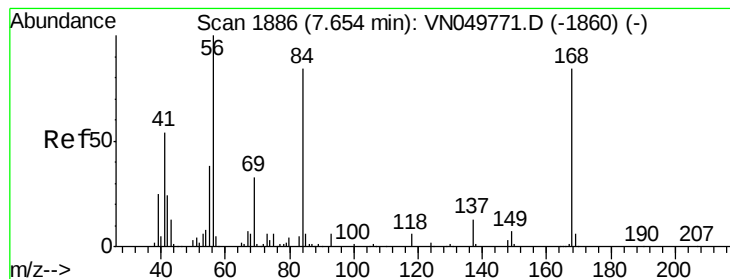
MMDadoda
7/13/2018 1:35:38 PM



#30
Chloroform
Concen: 18.97 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. -0.00 min
Lab File: VN049784.D
Acq: 12 Jul 2018 21:54

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	51.4	77.2





#31

Cvclohexane

Concen: 18.72 ug/l

RT: 7.66 min Scan# 1887

Delta R.T. 0.00 min

Lab File: VN049784.D

Acq: 12 Jul 2018 21:54

Instrument :

MSVOA_N

ClientSampleId :

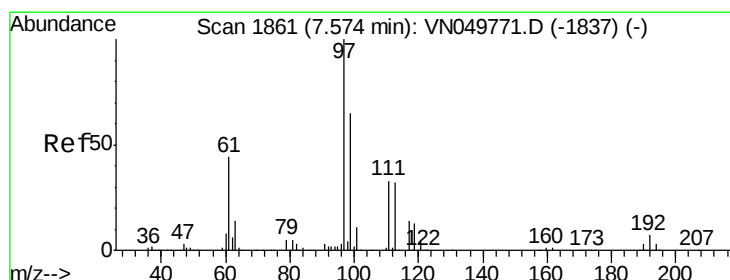
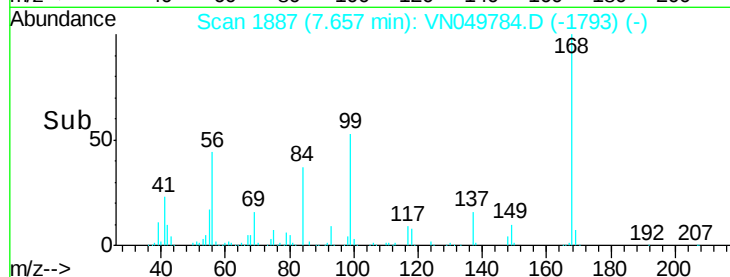
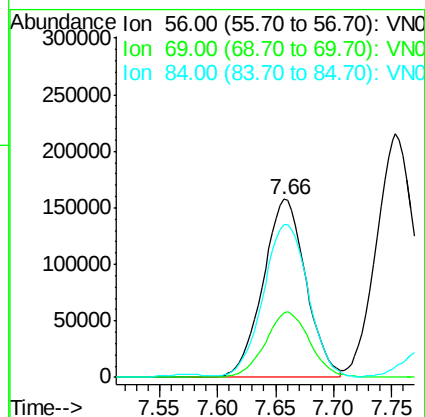
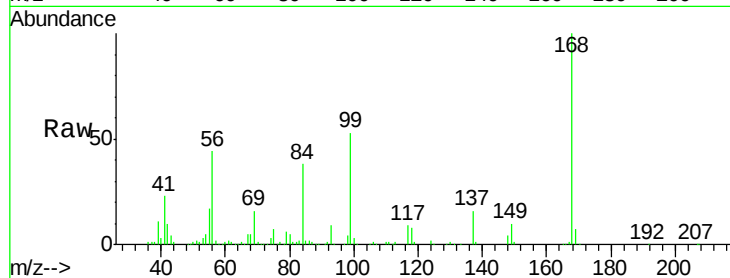
VN0712WBS01

Tot Ion: 56 Resp: 405362

Ion	Ratio	Lower	Upper
56	100		
69	36.2	26.6	40.0
84	84.2	69.0	103.6

Manual Integrations
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7/13/2018 1:35:38 PM



#32

1,1,1-Trichloroethane

Concen: 18.97 ug/l

RT: 7.57 min Scan# 1861

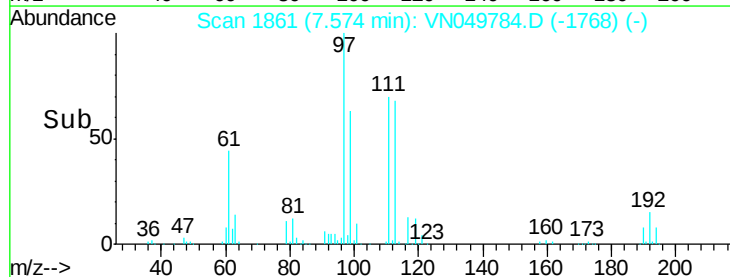
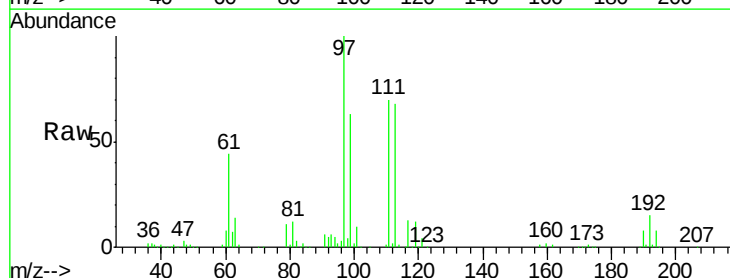
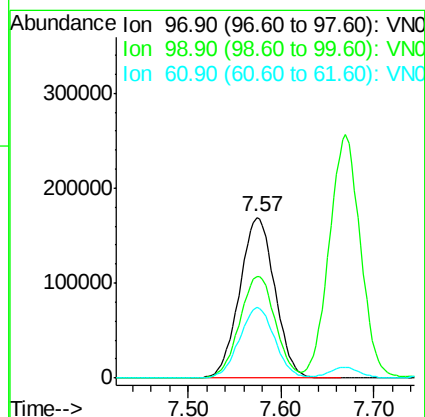
Delta R.T. -0.00 min

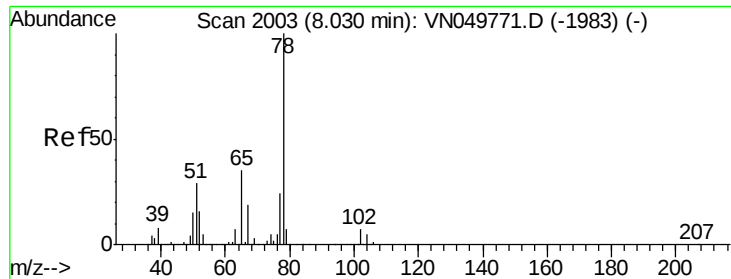
Lab File: VN049784.D

Acq: 12 Jul 2018 21:54

Tgt Ion: 97 Resp: 447694

Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.0	76.4
61	43.8	35.5	53.3





#33

1,2-Dichloroethane-d4

Concen: 48.01 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. -0.00 min

Lab File: VN049784.D

Acq: 12 Jul 2018 21:54

Instrument :

MSVOA_N

ClientSampleId :

VN0712WBS01

Tot Ion: 65 Resp: 661453

Ion Ratio Lower Upper

65 100

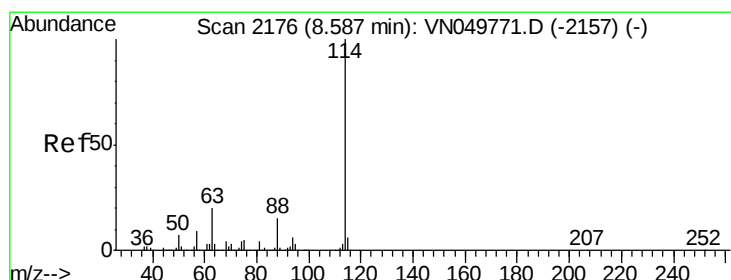
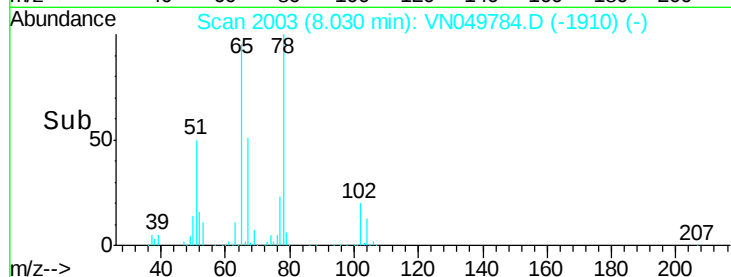
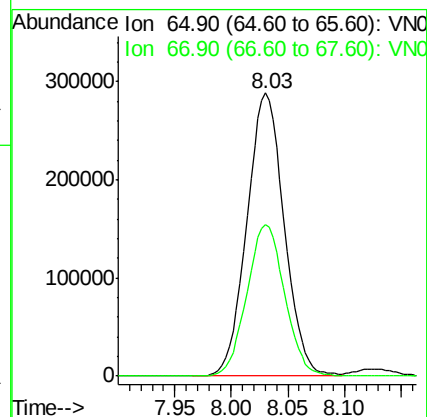
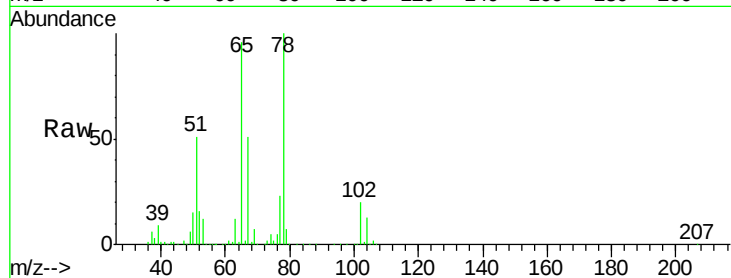
67 54.2 0.0 107.2

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VN049784.D

Acq: 12 Jul 2018 21:54

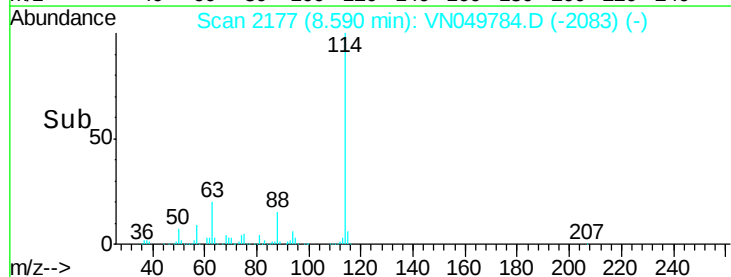
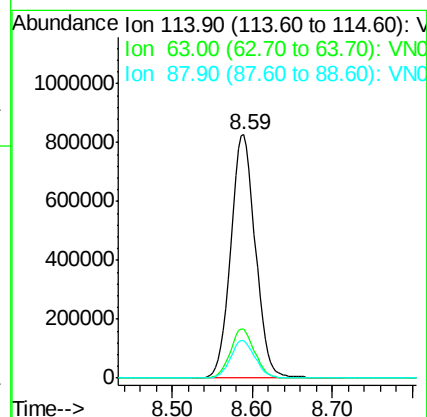
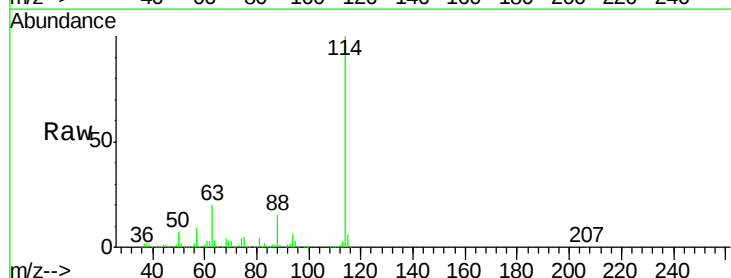
Tgt Ion: 114 Resp: 1737053

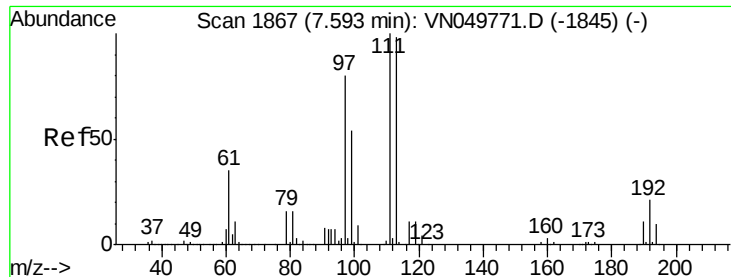
Ion Ratio Lower Upper

114 100

63 20.0 0.0 39.8

88 15.4 0.0 30.6





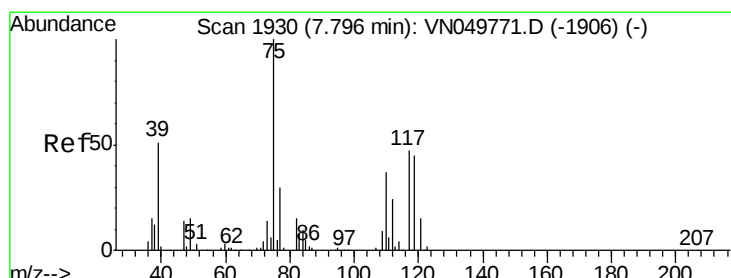
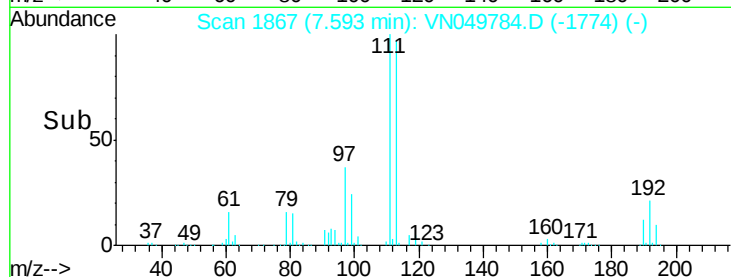
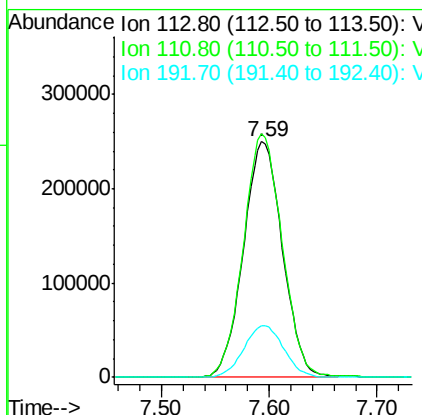
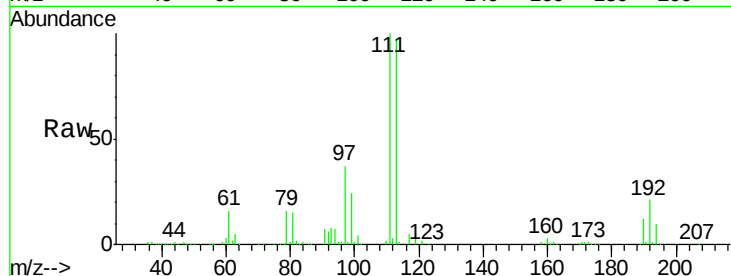
#35
 Dibromofluoromethane
 Concen: 47.97 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN049784.D
 Acq: 12 Jul 2018 21:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0712WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	628107		
111	103.2	81.8	122.8	
192	22.4	17.8	26.6	

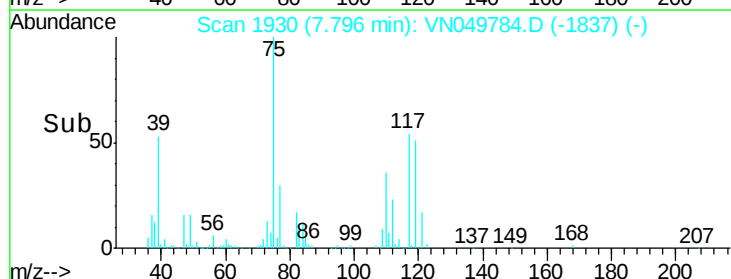
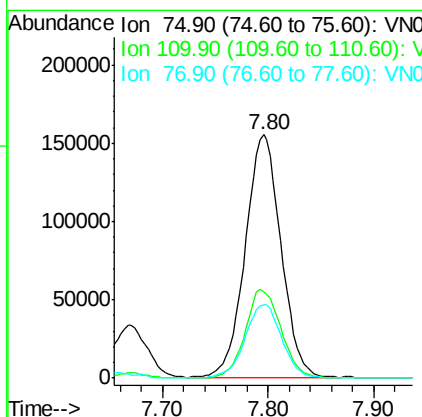
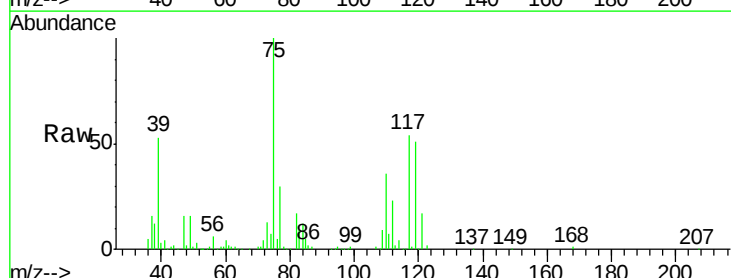
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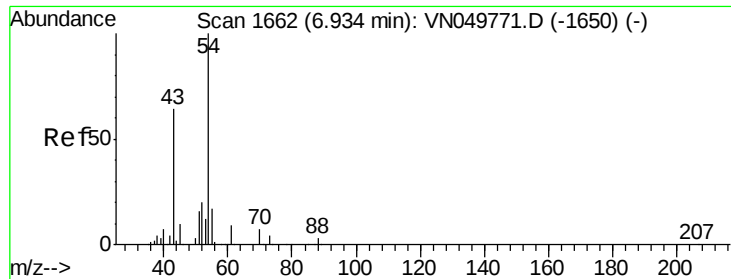
MMDadoda
 7/13/2018 1:35:38 PM



#36
 1,1-Dichloropropene
 Concen: 18.22 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. -0.00 min
 Lab File: VN049784.D
 Acq: 12 Jul 2018 21:54

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	364698		
110	36.6	18.1	54.4	
77	31.0	24.9	37.3	





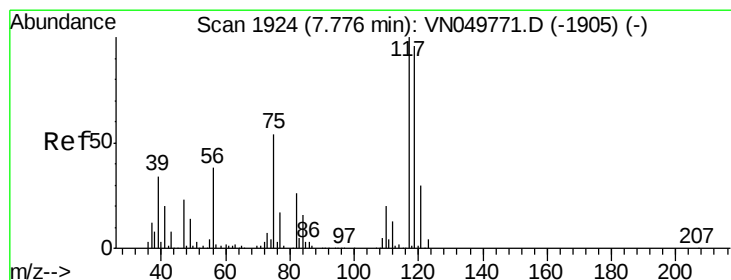
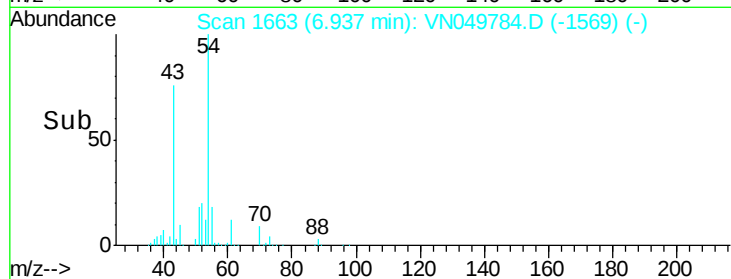
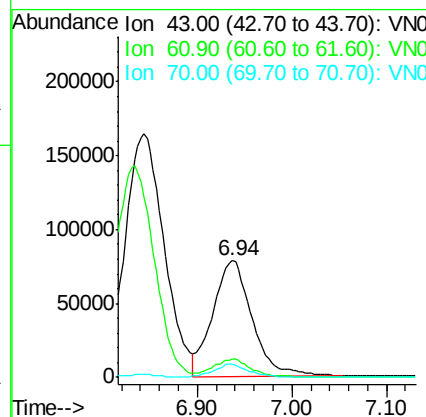
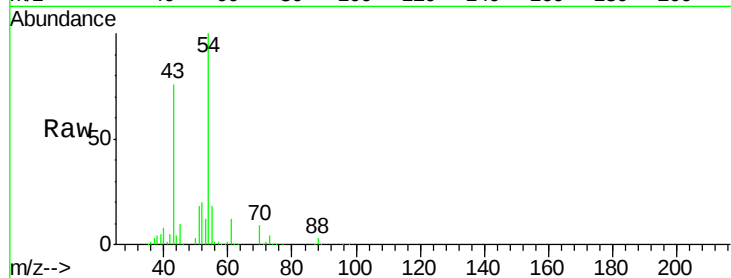
#37
Ethyl Acetate
Concen: 19.07 ug/l
RT: 6.94 min Scan# 1663
Delta R.T. 0.00 min
Lab File: VN049784.D
Acq: 12 Jul 2018 21:54

Instrument :
MSVOA_N
ClientSampleId :
VN0712WBS01

Tot Ion	Ratio	Resp	Lower	Upper
43	100	225895		
61	14.7		11.7	17.5
70	10.3		8.4	12.6

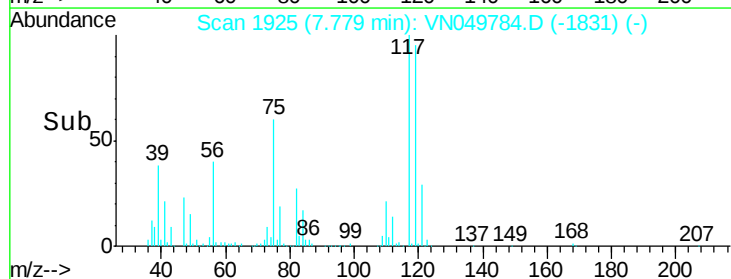
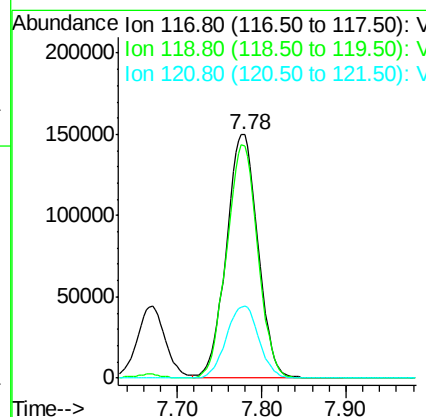
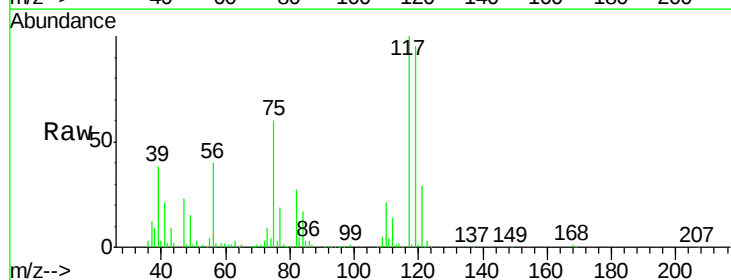
Manual Integrations
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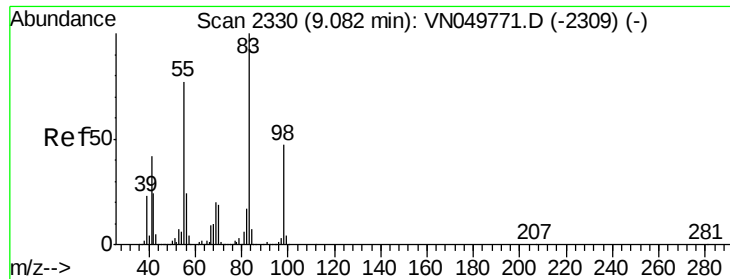
MMDadoda
7/13/2018 1:35:38 PM



#38
Carbon Tetrachloride
Concen: 18.64 ug/l
RT: 7.78 min Scan# 1925
Delta R.T. 0.00 min
Lab File: VN049784.D
Acq: 12 Jul 2018 21:54

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	390104		
119	95.1		77.2	115.8
121	29.5		25.0	37.6





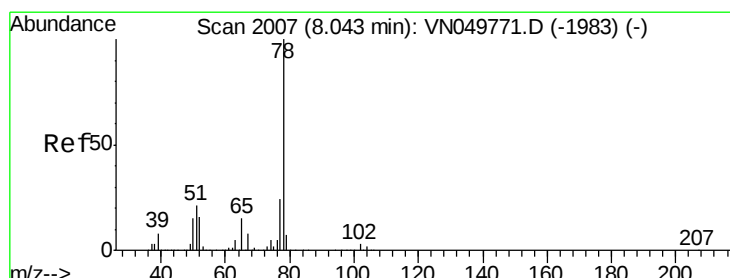
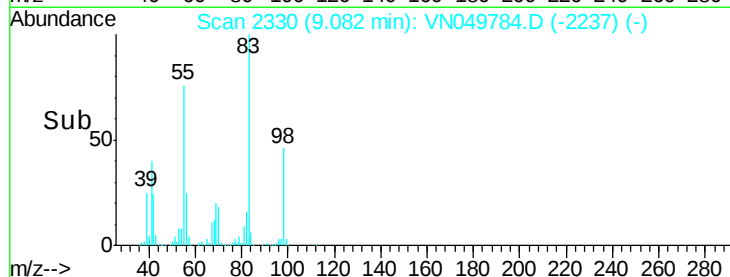
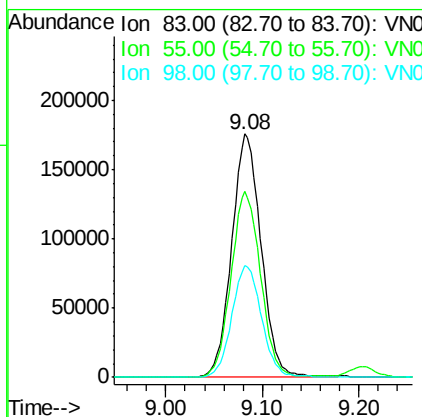
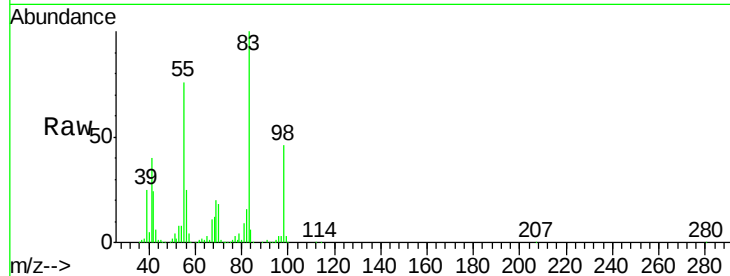
#39
Methvlcvclohexane
Concen: 17.66 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN049784.D
Acq: 12 Jul 2018 21:54

Instrument :
MSVOA_N
ClientSampleId :
VN0712WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.3	59.7	89.5
98	45.8	36.5	54.7

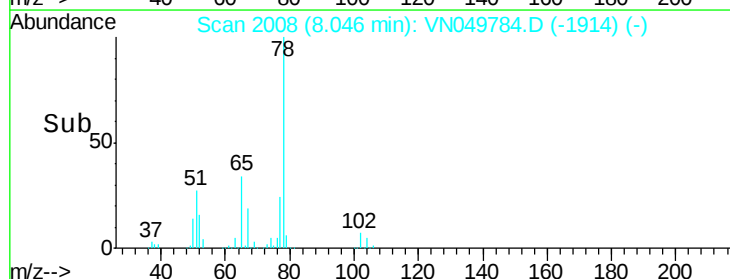
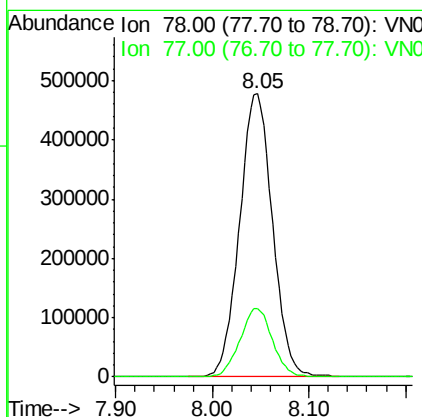
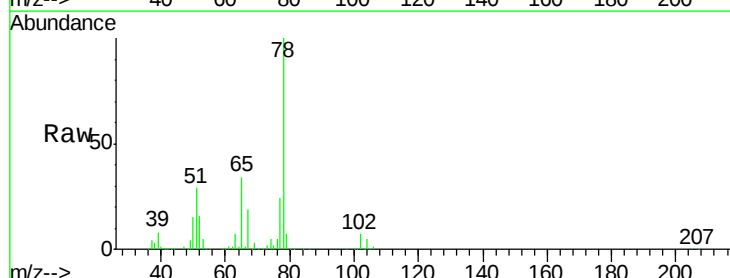
Manual Integrations
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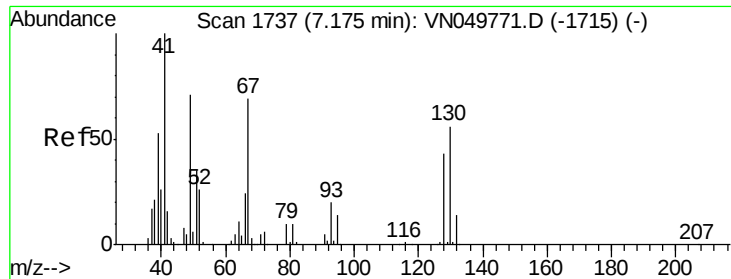
MMDadoda
7/13/2018 1:35:38 PM



#40
Benzene
Concen: 18.89 ug/l
RT: 8.05 min Scan# 2008
Delta R.T. 0.00 min
Lab File: VN049784.D
Acq: 12 Jul 2018 21:54

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.0	28.4





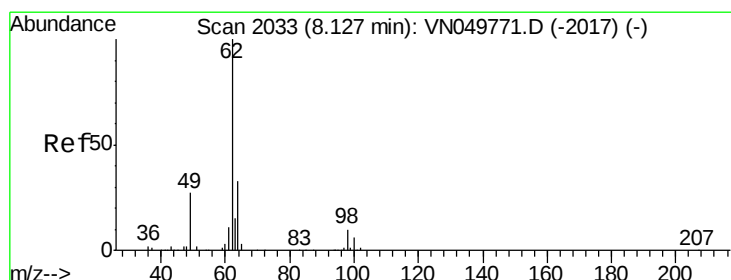
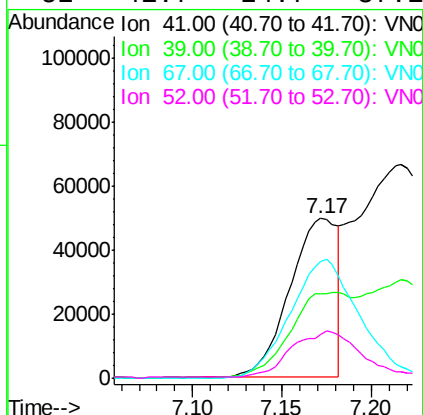
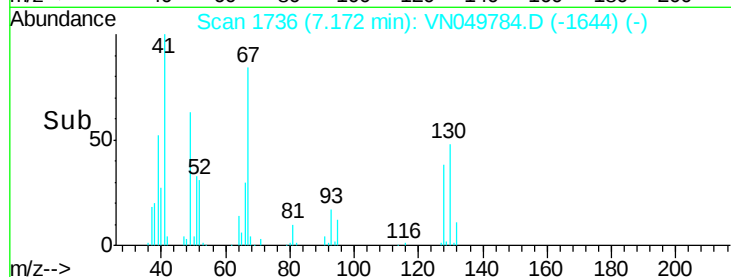
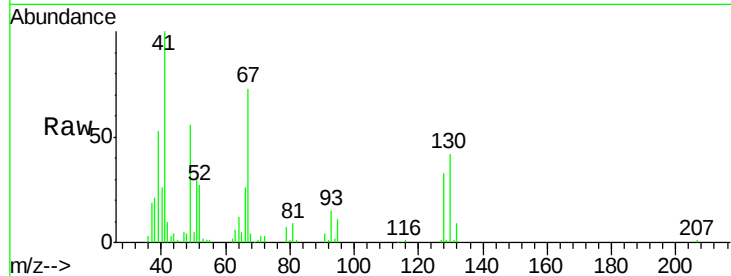
#41
Methacrylonitrile
Concen: 13.80 ug/l
RT: 7.17 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VN049784.D
Acq: 12 Jul 2018 21:54

Instrument :
MSVOA_N
ClientSampleId :
VN0712WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	69.9	45.4	68.2#	
67	109.5	65.4	98.0#	
52	41.7	24.7	37.1#	

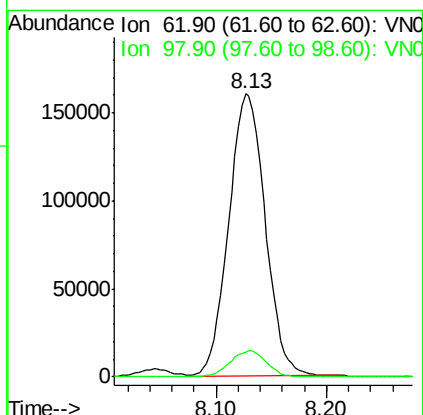
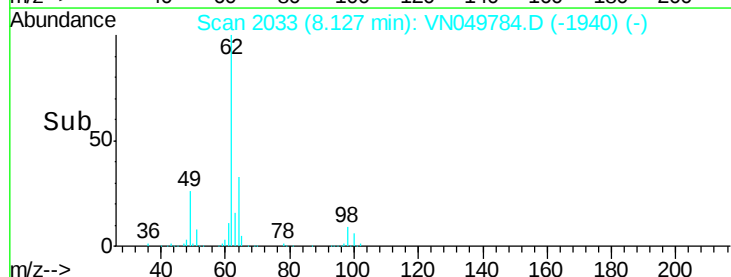
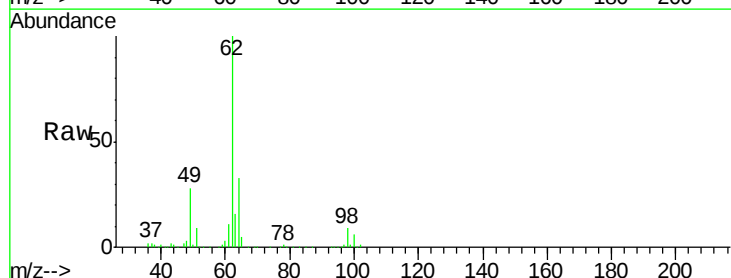
Manual Integrations
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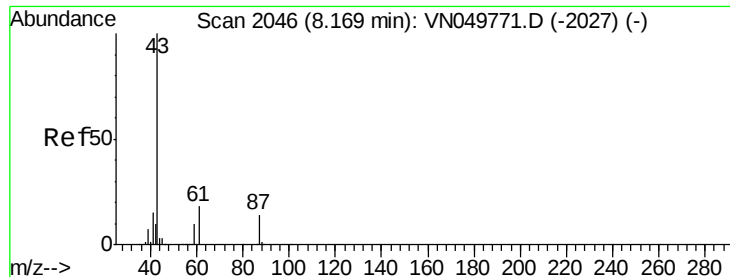
MMDadoda
7/13/2018 1:35:38 PM



#42
1,2-Dichloroethane
Concen: 18.78 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. -0.00 min
Lab File: VN049784.D
Acq: 12 Jul 2018 21:54

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.3	0.0	19.0	





#43

Isopropyl Acetate

Concen: 18.67 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. -0.00 min

Lab File: VN049784.D

Acq: 12 Jul 2018 21:54

Instrument :

MSVOA_N

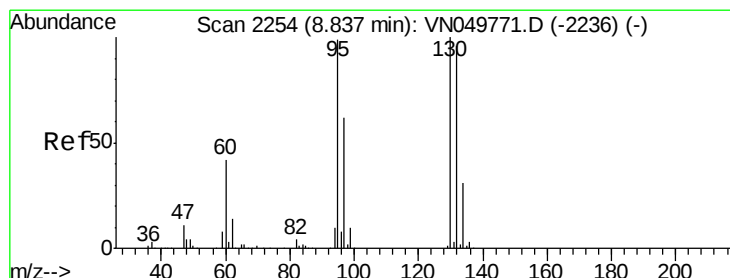
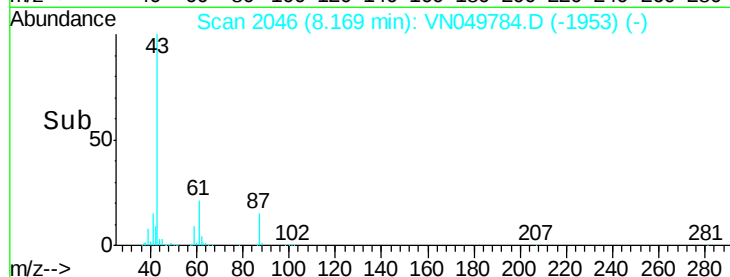
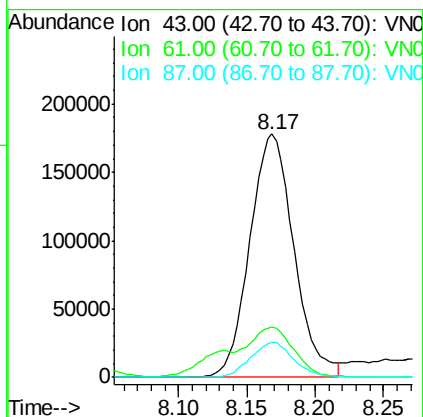
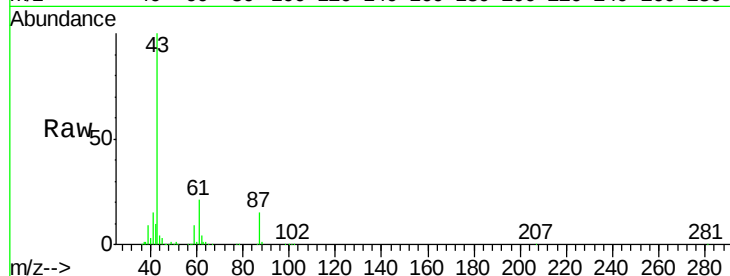
ClientSampleId :

VN0712WBS01

Tot Ion:	43	Resp:	397529
Ion	Ratio	Lower	Upper
43	100		
61	19.5	14.9	22.3
87	14.2	10.0	15.0

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7/13/2018 1:35:38 PM



#44

Trichloroethene

Concen: 18.27 ug/l

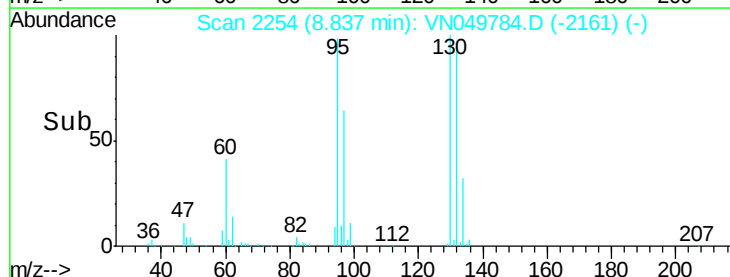
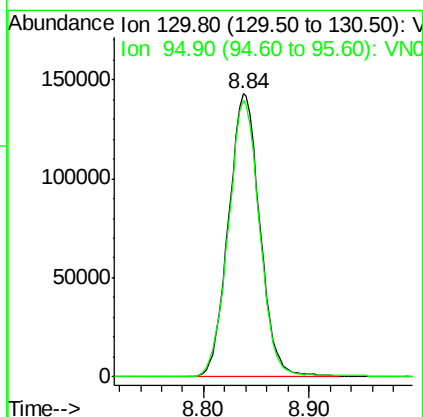
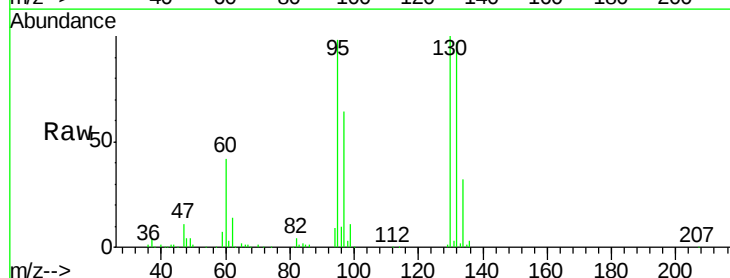
RT: 8.84 min Scan# 2254

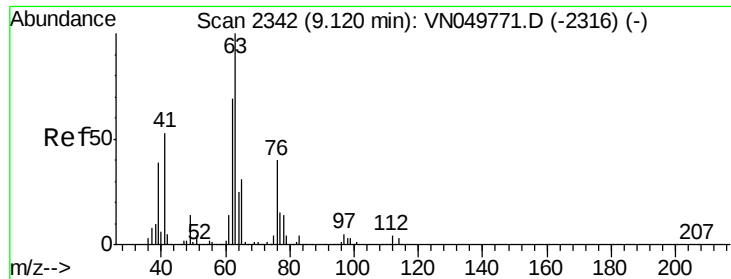
Delta R.T. -0.00 min

Lab File: VN049784.D

Acq: 12 Jul 2018 21:54

Tgt Ion:	130	Resp:	294611
Ion	Ratio	Lower	Upper
130	100		
95	97.7	0.0	192.8





#45

1,2-Dichloropropane

Concen: 19.04 ug/l

RT: 9.12 min Scan# 2343

Delta R.T. 0.00 min

Lab File: VN049784.D

Acq: 12 Jul 2018 21:54

Instrument :

MSVOA_N

ClientSampleId :

VN0712WBS01

Tot Ion: 63 Resp: 306435

Ion Ratio Lower Upper

63 100

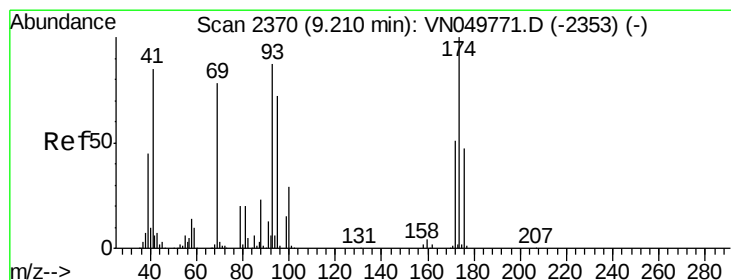
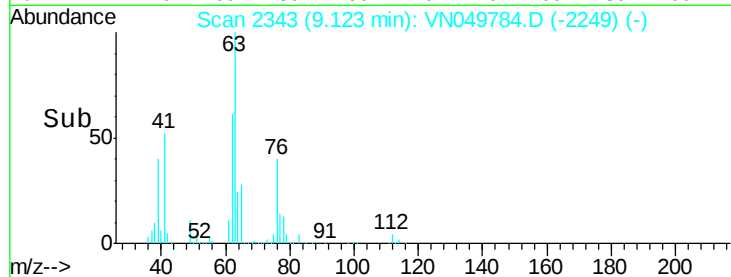
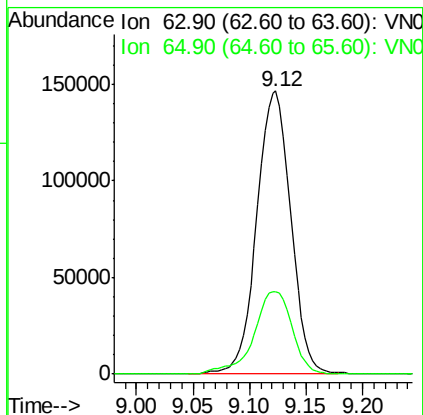
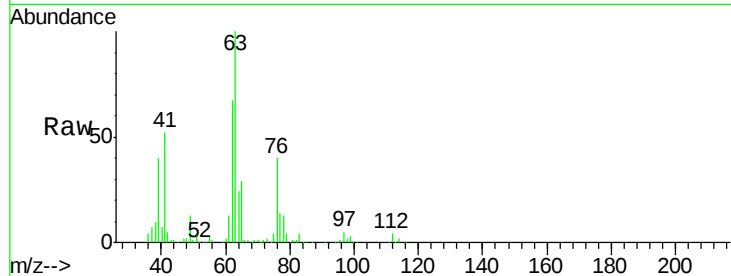
65 29.2 24.7 37.1

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#46

Dibromomethane

Concen: 18.65 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN049784.D

Acq: 12 Jul 2018 21:54

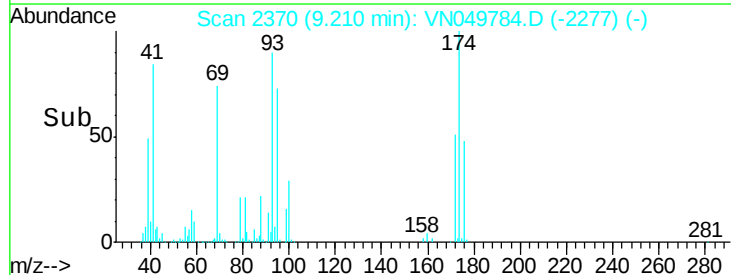
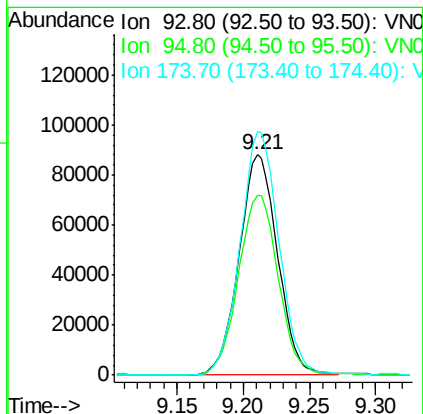
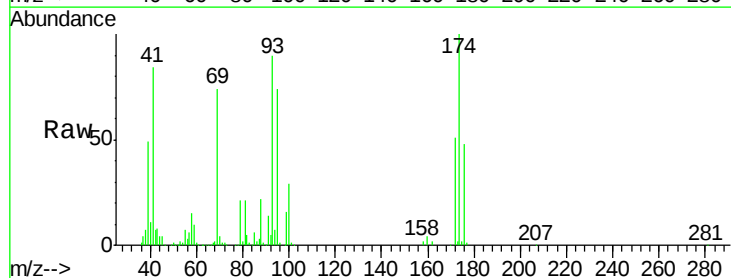
Tgt Ion: 93 Resp: 178292

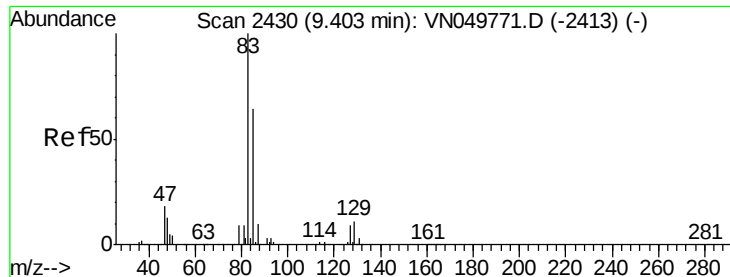
Ion Ratio Lower Upper

93 100

95 84.4 67.9 101.9

174 111.0 89.4 134.0





#47

Bromodichloromethane

Concen: 18.86 ug/l

RT: 9.41 min Scan# 2431

Delta R.T. 0.00 min

Lab File: VN049784.D

Acq: 12 Jul 2018 21:54

Instrument :

MSVOA_N

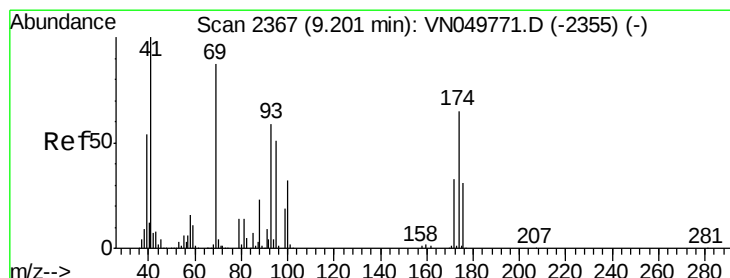
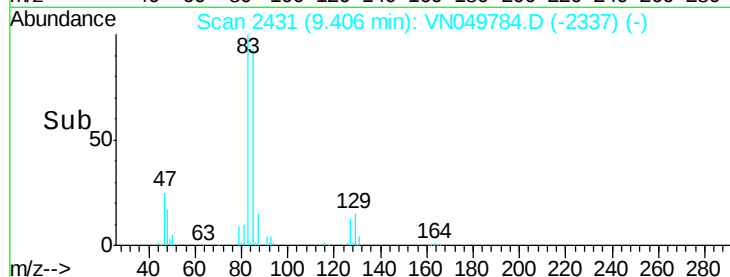
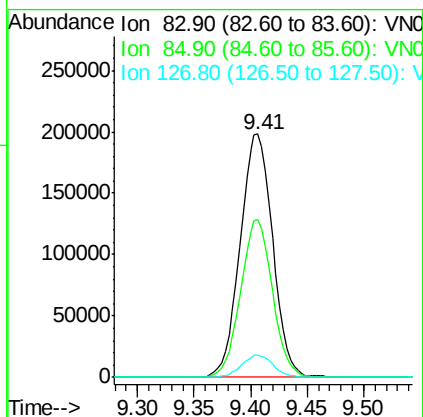
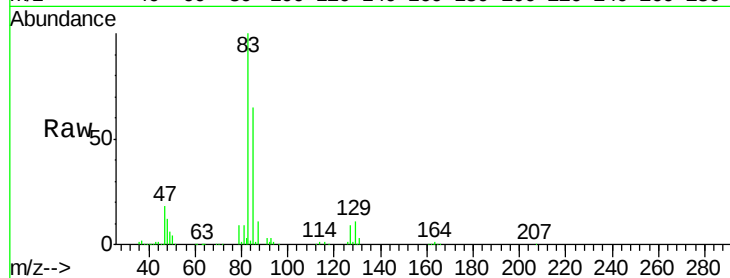
ClientSampleId :

VN0712WBS01

Tot Ion:	83	Resp:	396918
Ion Ratio	Lower	Upper	
83	100		
85	65.0	50.5	75.7
127	9.1	6.8	10.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 18.32 ug/l

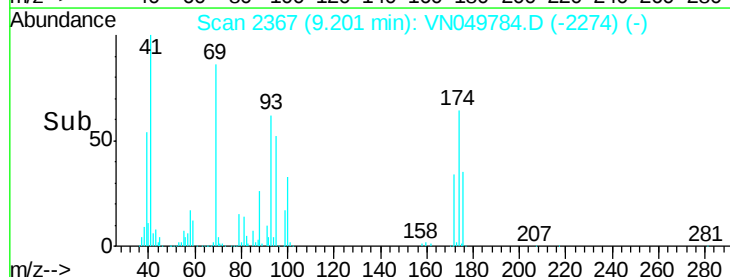
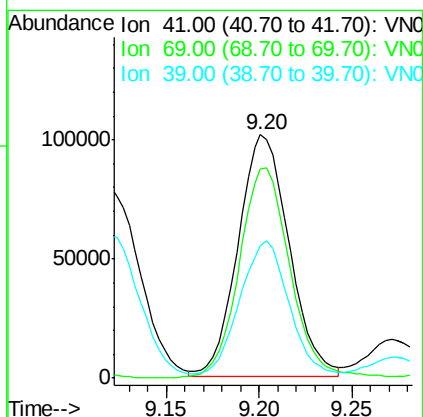
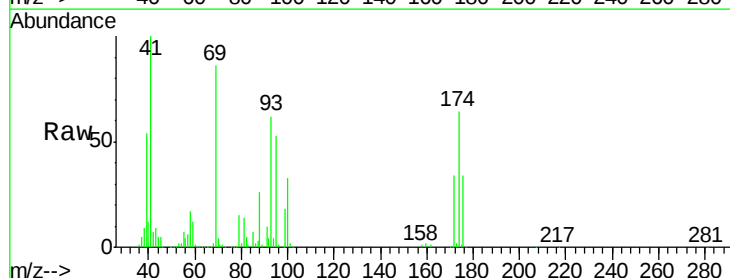
RT: 9.20 min Scan# 2367

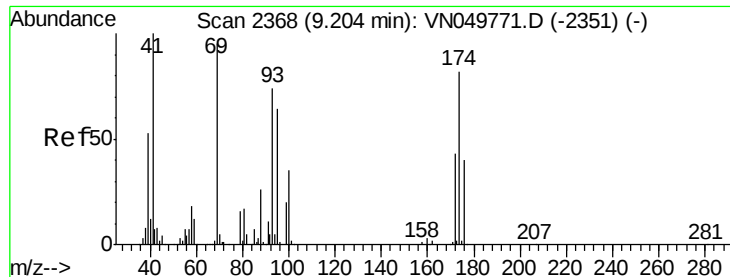
Delta R.T. -0.00 min

Lab File: VN049784.D

Acq: 12 Jul 2018 21:54

Tgt Ion:	41	Resp:	195051
Ion Ratio	Lower	Upper	
41	100		
69	85.4	71.5	107.3
39	54.9	44.7	67.1





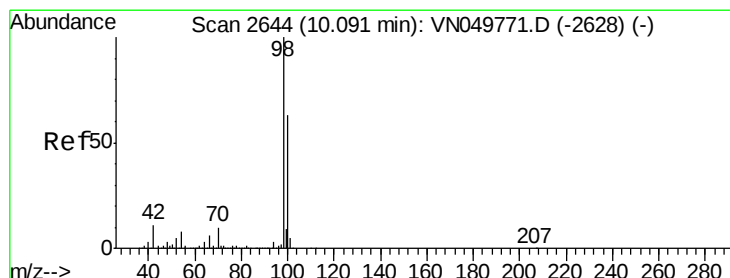
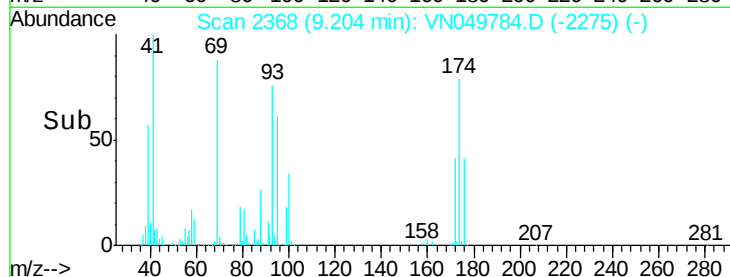
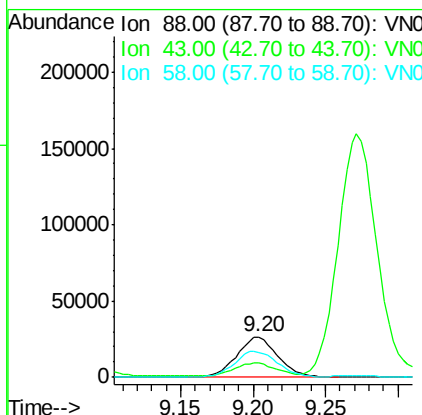
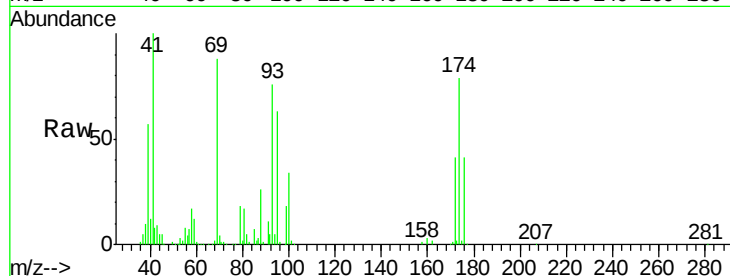
#49
1,4-Dioxane
Concen: 374.65 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. -0.00 min
Lab File: VN049784.D
Acq: 12 Jul 2018 21:54

Instrument :
MSVOA_N
ClientSampleId :
VN0712WBS01

Tot Ion	88	Resp	52272
Ion	Ratio	Lower	Upper
88	100		
43	33.0	25.1	37.7
58	67.9	52.5	78.7

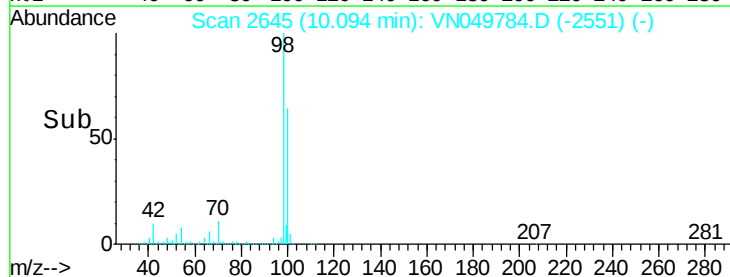
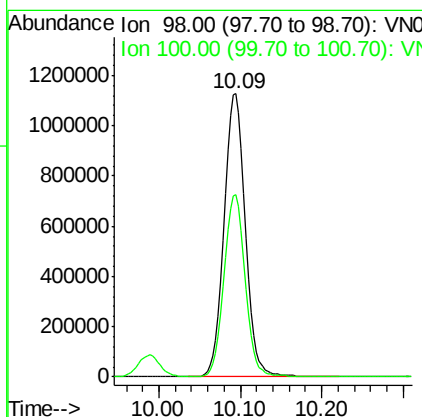
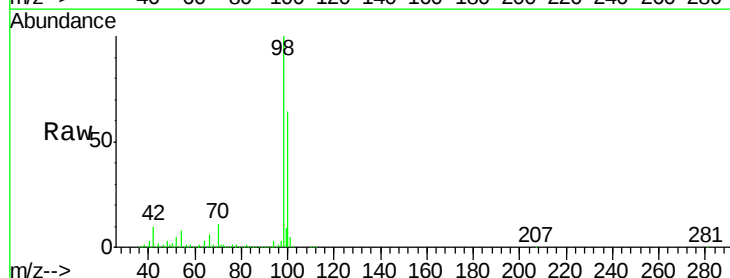
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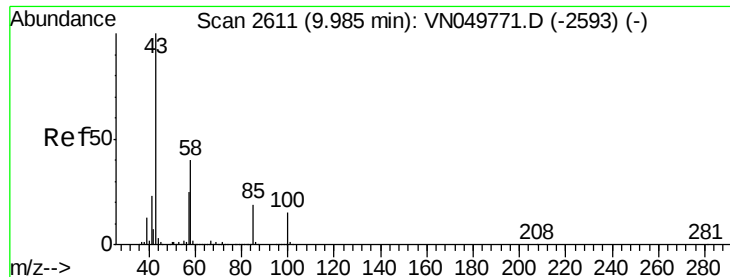
MMDadoda
7/13/2018 1:35:38 PM



#50
Toluene-d8
Concen: 46.62 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN049784.D
Acq: 12 Jul 2018 21:54

Tgt Ion	98	Resp	2089342
Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.7	77.5





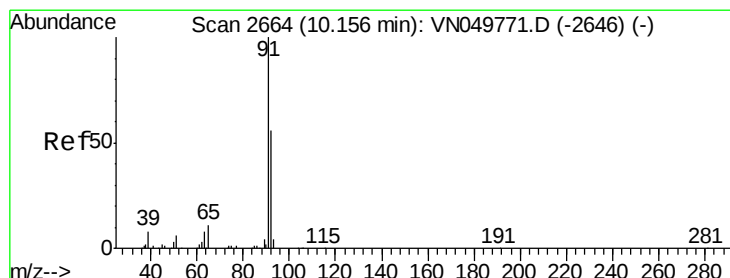
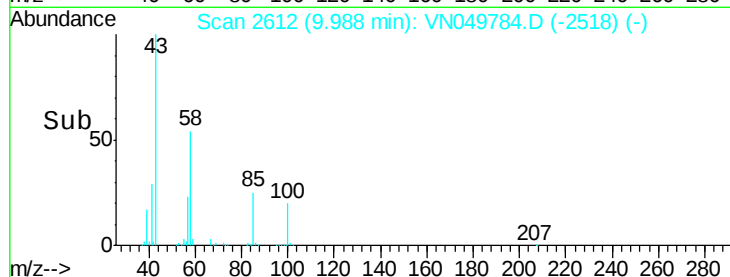
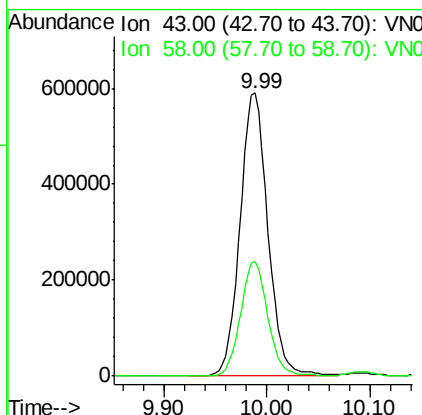
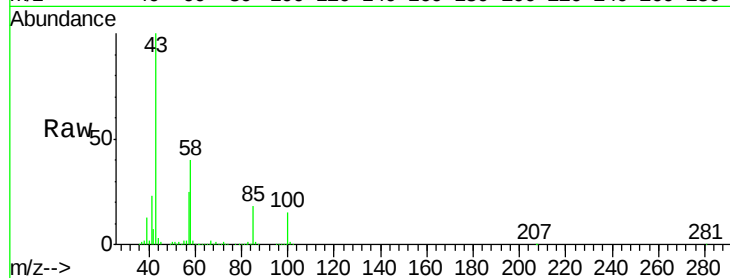
#51
4-Methyl-2-Pentanone
Concen: 95.87 ug/l
RT: 9.99 min Scan# 2612
Delta R.T. 0.00 min
Lab File: VN049784.D
Acq: 12 Jul 2018 21:54

Instrument :
MSVOA_N
ClientSampleId :
VN0712WBS01

Tot Ion: 43 Resp: 1108543
Ion Ratio Lower Upper
43 100
58 39.8 31.8 47.8

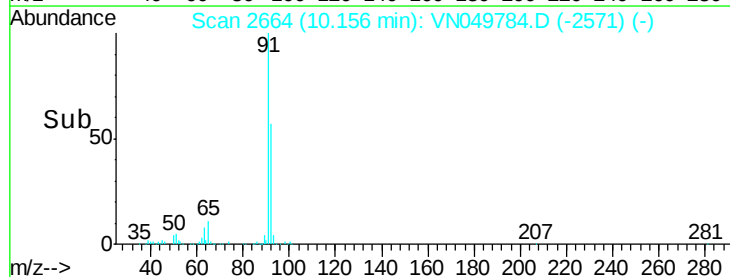
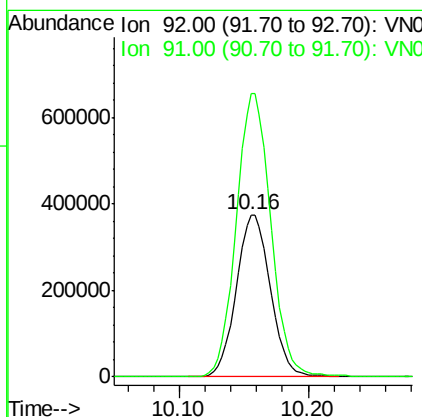
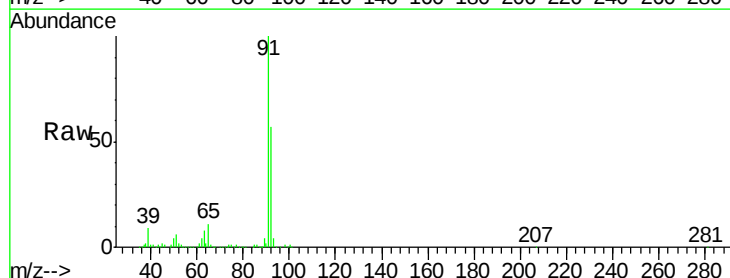
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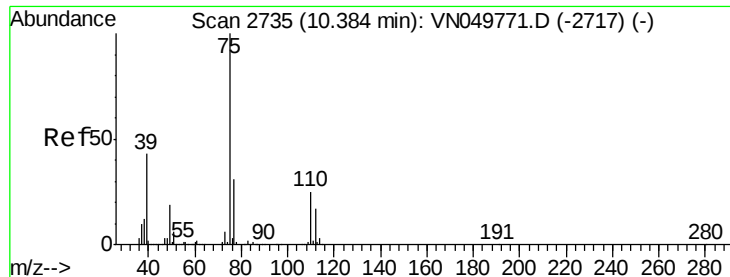
MMDadoda
7/13/2018 1:35:38 PM



#52
Toluene
Concen: 19.21 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. -0.00 min
Lab File: VN049784.D
Acq: 12 Jul 2018 21:54

Tgt Ion: 92 Resp: 688585
Ion Ratio Lower Upper
92 100
91 178.0 140.1 210.1





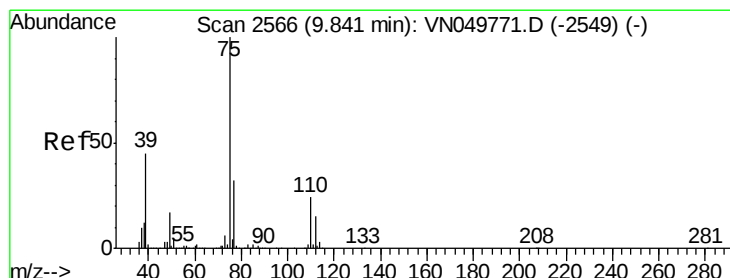
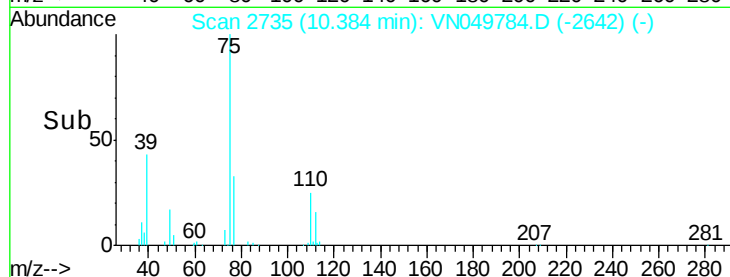
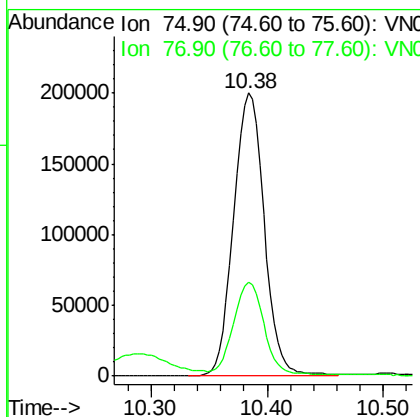
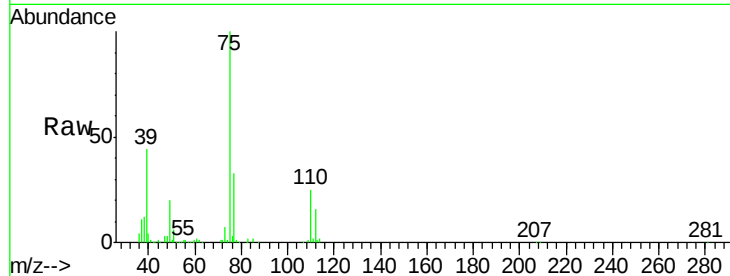
#53
t-1,3-Dichloropropene
Concen: 18.15 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. -0.00 min
Lab File: VN049784.D
Acq: 12 Jul 2018 21:54

Instrument :
MSVOA_N
ClientSampleId :
VN0712WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.2	37.8

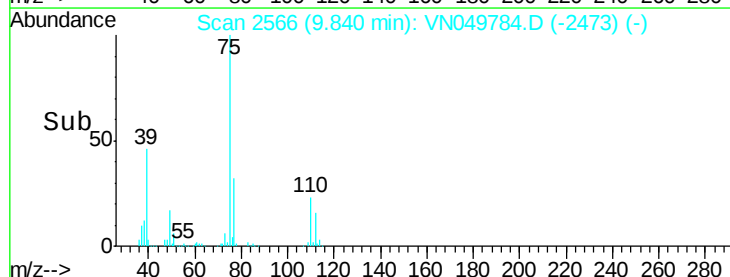
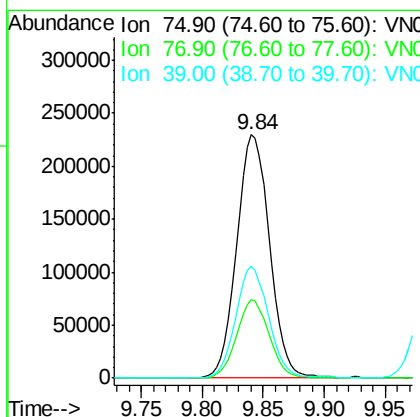
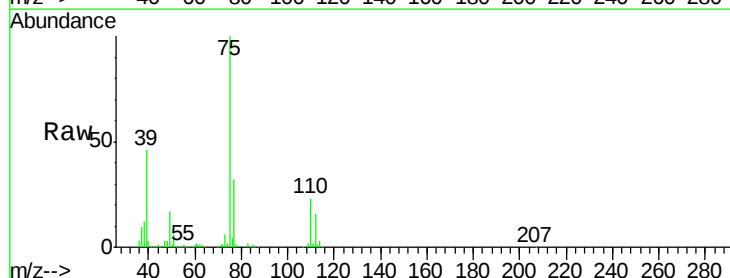
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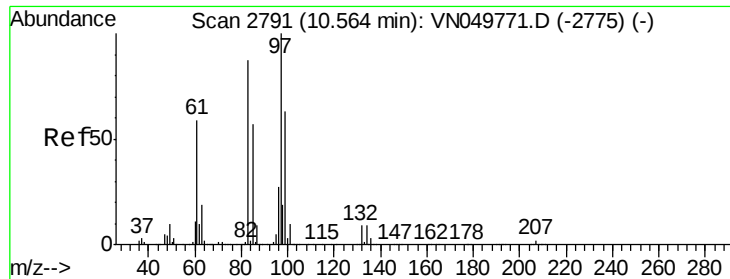
MMDadoda
7/13/2018 1:35:38 PM



#54
cis-1,3-Dichloropropene
Concen: 18.56 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. -0.00 min
Lab File: VN049784.D
Acq: 12 Jul 2018 21:54

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.3	37.9
39	46.0	35.5	53.3





#55

1,1,2-Trichloroethane

Concen: 19.16 ug/l

RT: 10.56 min Scan# 2791

Delta R.T. 0.00 min

Lab File: VN049784.D

Acq: 12 Jul 2018 21:54

Instrument :

MSVOA_N

ClientSampleId :

VN0712WBS01

Tot Ion: 97 Resp: 265511

Ion Ratio Lower Upper

97 100

83 85.8 69.0 103.6

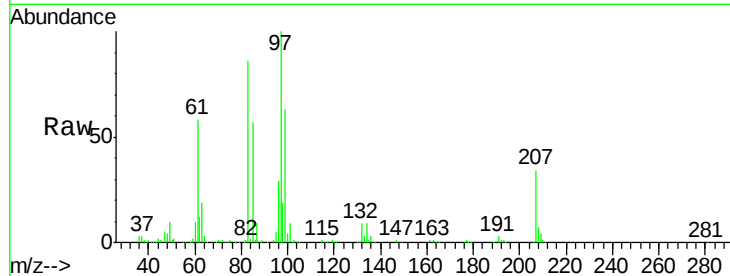
85 56.6 44.9 67.3

99 62.8 49.8 74.6

Manual Integrations
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7/13/2018 1:35:38 PM

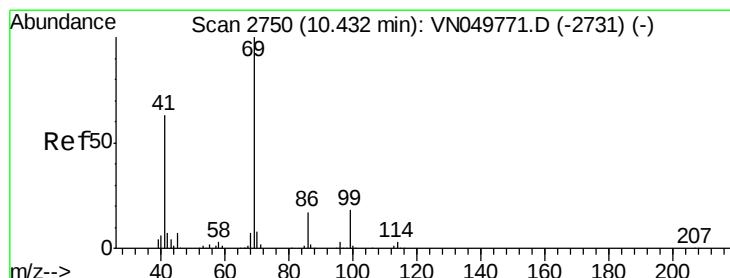
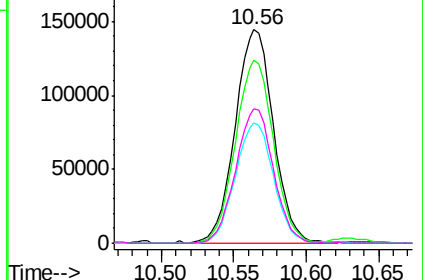
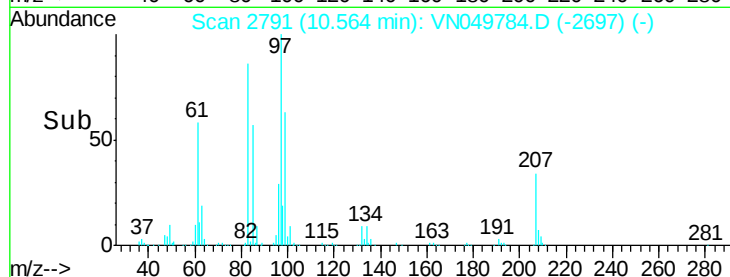


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 18.50 ug/l

RT: 10.43 min Scan# 2750

Delta R.T. -0.00 min

Lab File: VN049784.D

Acq: 12 Jul 2018 21:54

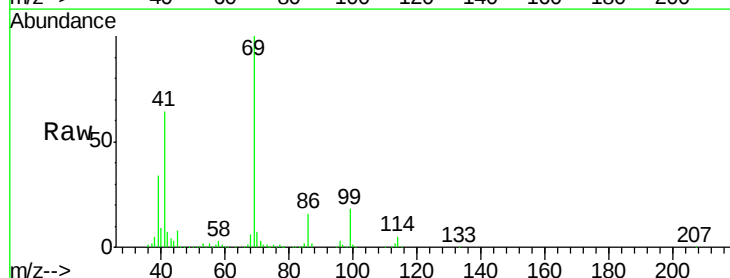
Tgt Ion: 69 Resp: 299291

Ion Ratio Lower Upper

69 100

41 63.0 51.6 77.4

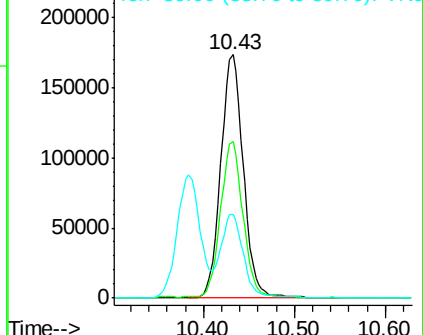
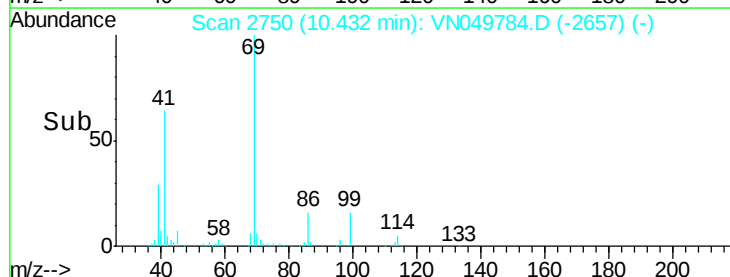
39 33.4 25.8 38.8

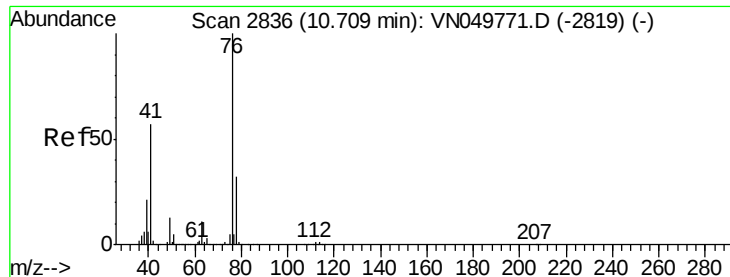


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





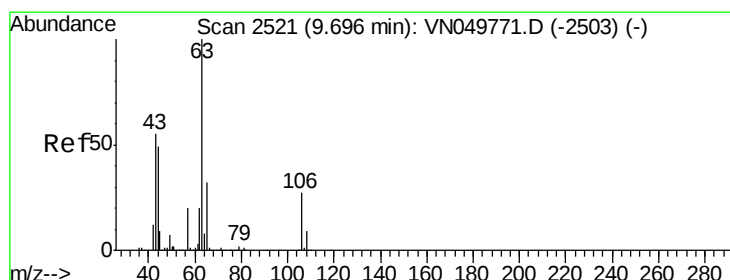
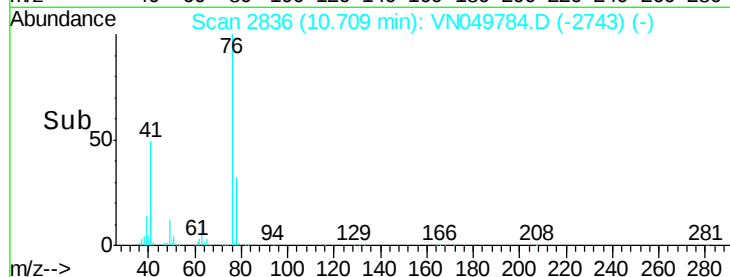
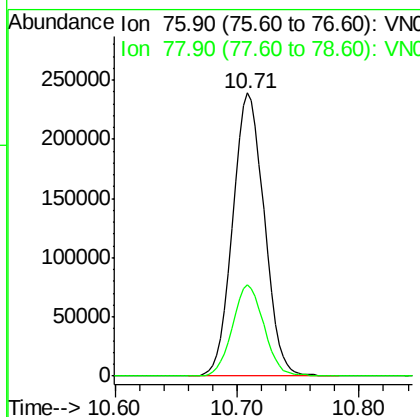
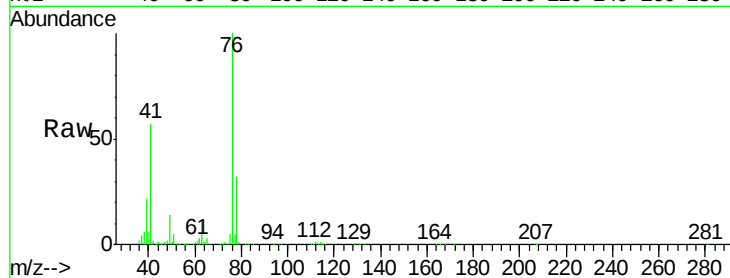
#57
 1,3-Dichloropropane
 Concen: 18.81 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. -0.00 min
 Lab File: VN049784.D
 Acq: 12 Jul 2018 21:54

Instrument :
 MSVOA_N
 ClientSampled :
 VN0712WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.8	38.8

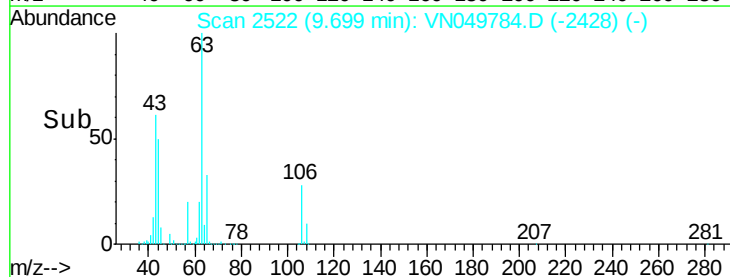
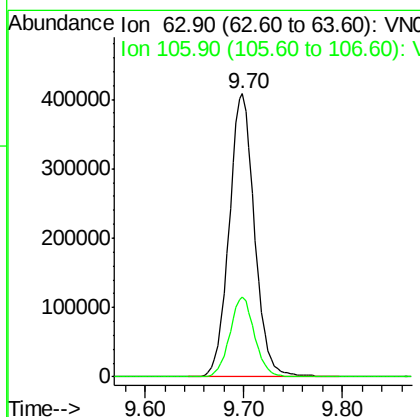
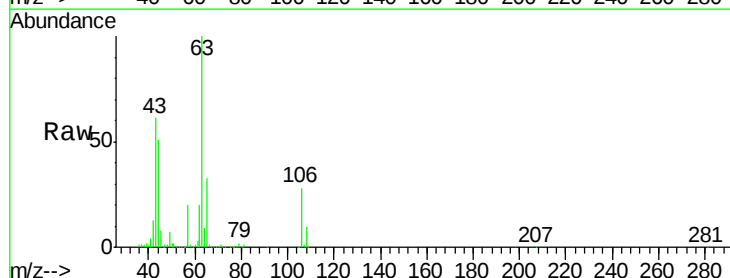
Manual Integrations
 APPROVED

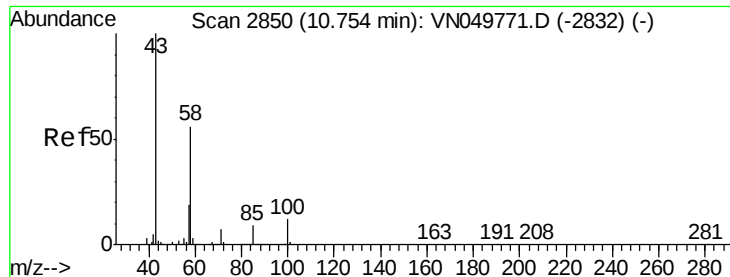
MMDadoda
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#58
 2-Chloroethyl Vinyl ether
 Concen: 94.63 ug/l
 RT: 9.70 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VN049784.D
 Acq: 12 Jul 2018 21:54

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.5	21.8	32.8





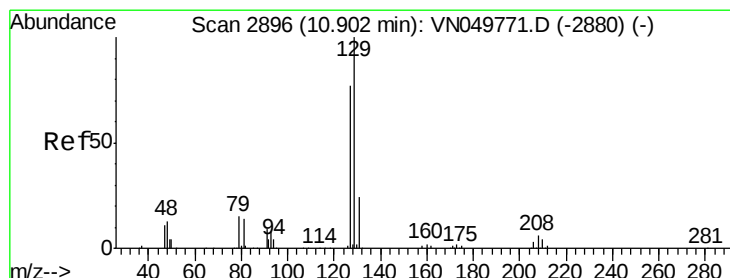
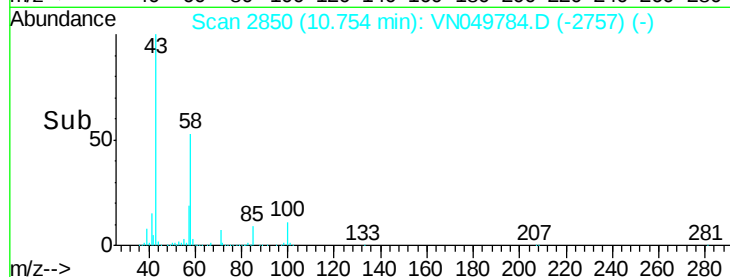
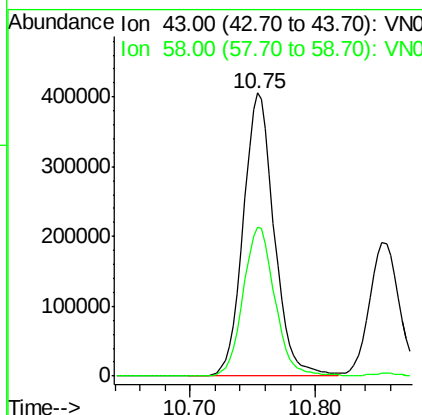
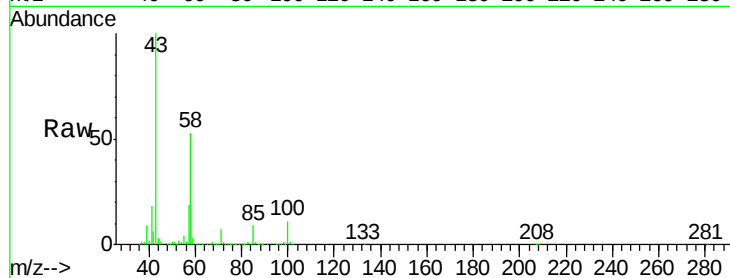
#59
2-Hexanone
Concen: 89.95 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VN049784.D
Acq: 12 Jul 2018 21:54

Instrument :
MSVOA_N
ClientSampleId :
VN0712WBS01

Tot Ion	43	Resp	691463
Ion Ratio	100	Lower	Upper
43	100		
58	54.3	27.8	83.4

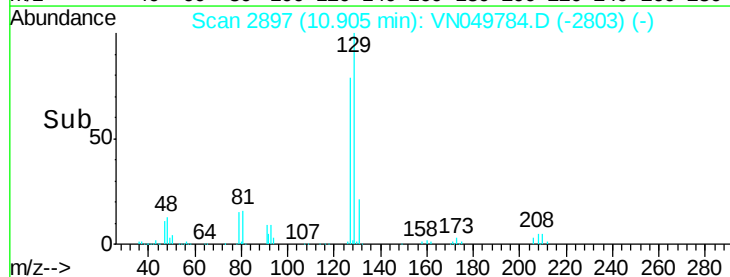
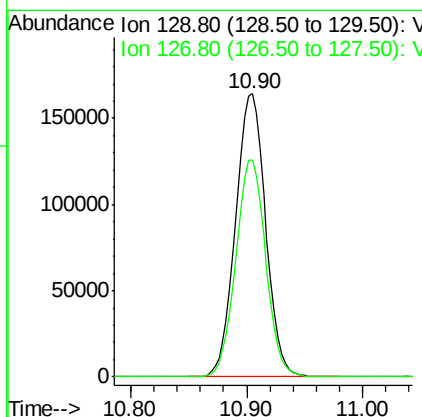
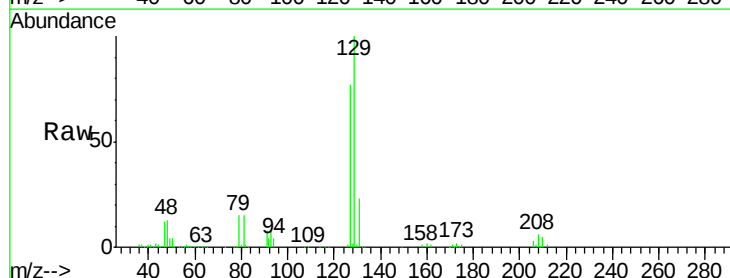
Manual Integrations
APPROVED

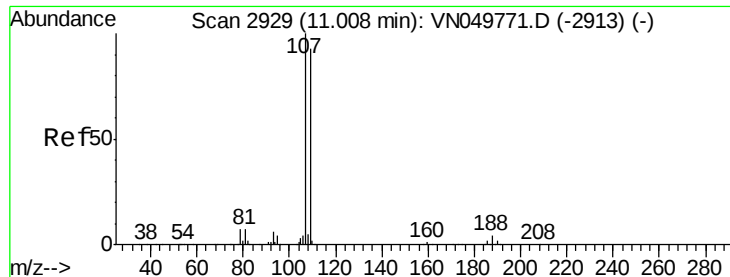
MMDadoda
7/13/2018 1:35:38 PM



#60
Dibromochloromethane
Concen: 18.78 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN049784.D
Acq: 12 Jul 2018 21:54

Tgt Ion	129	Resp	294821	
Ion Ratio	129	100	Lower	Upper
129	100			
127	76.1	38.3	114.9	





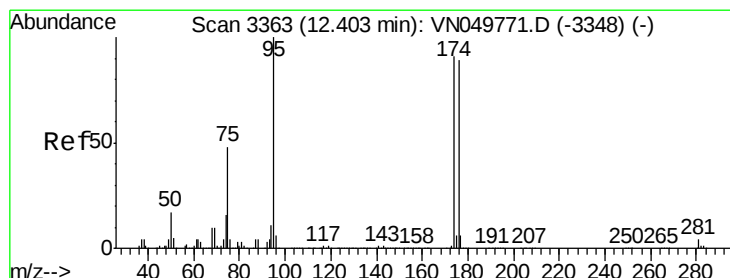
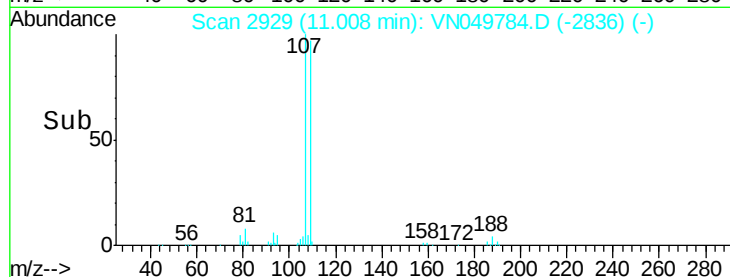
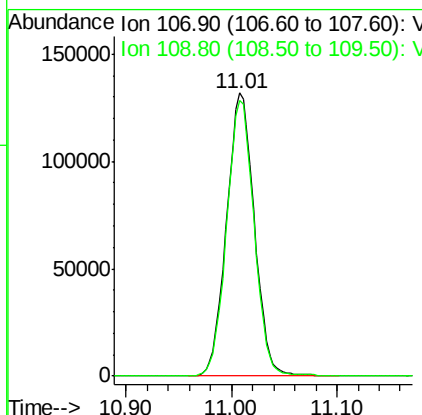
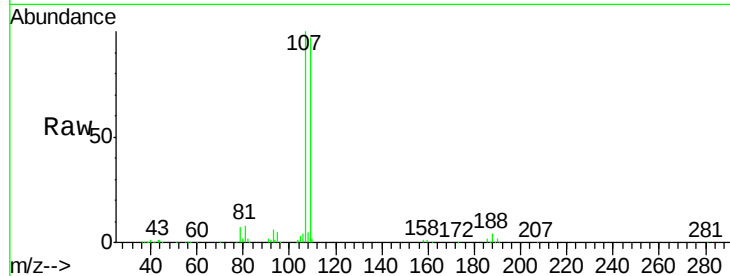
#61
 1,2-Dibromoethane
 Concen: 18.40 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. -0.00 min
 Lab File: VN049784.D
 Acq: 12 Jul 2018 21:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0712WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.9	75.0	112.6

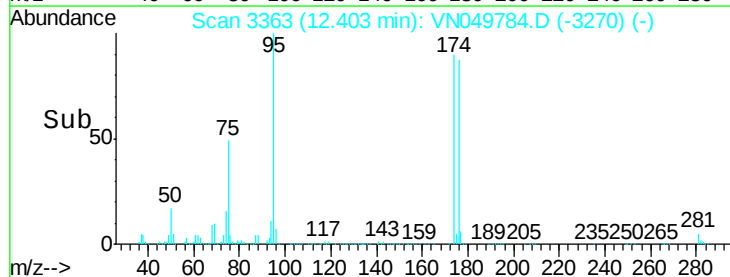
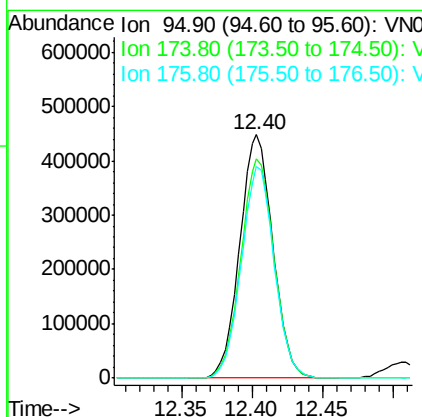
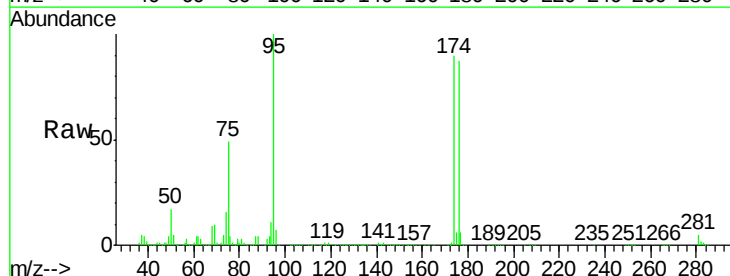
Manual Integrations
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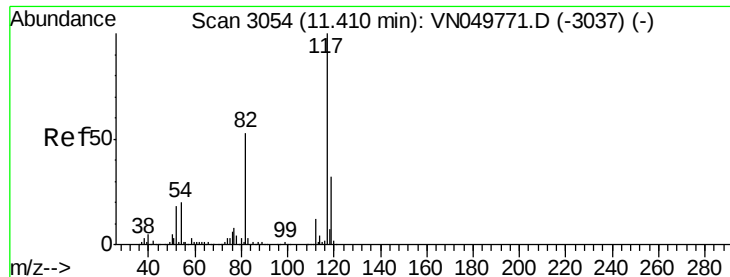
MMDadoda
 7/13/2018 1:35:38 PM



#62
 4-Bromofluorobenzene
 Concen: 45.96 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. -0.00 min
 Lab File: VN049784.D
 Acq: 12 Jul 2018 21:54

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.7	0.0	179.6
176	86.6	0.0	174.0





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. -0.00 min

Lab File: VN049784.D

Acq: 12 Jul 2018 21:54

Instrument :

MSVOA_N

ClientSampleId :

VN0712WBS01

Tot Ion:117 Resp: 1566164

Ion Ratio Lower Upper

117 100

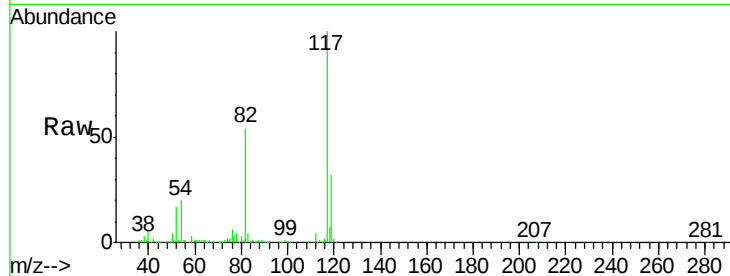
82 53.7 41.9 62.9

119 31.9 25.4 38.2

Manual Integrations
APPROVED

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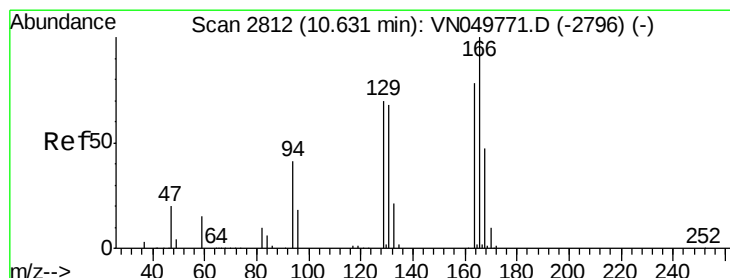
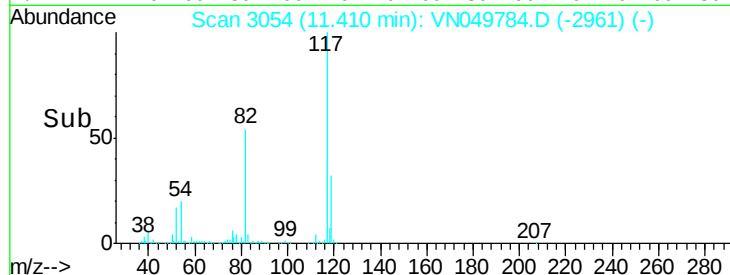
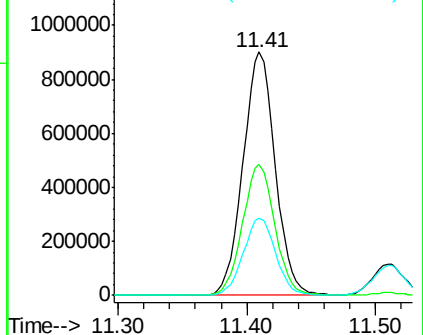
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Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 18.85 ug/l

RT: 10.63 min Scan# 2812

Delta R.T. -0.00 min

Lab File: VN049784.D

Acq: 12 Jul 2018 21:54

Tgt Ion:164 Resp: 268007

Ion Ratio Lower Upper

164 100

166 125.0 101.8 152.6

129 88.6 72.8 109.2

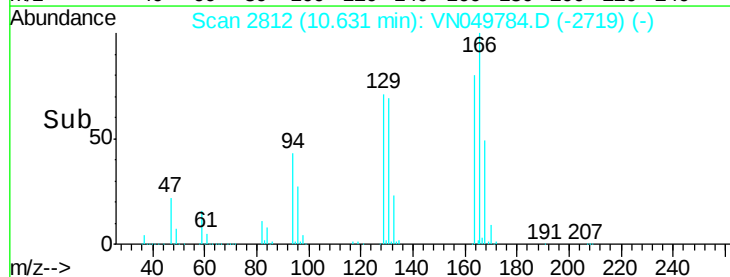
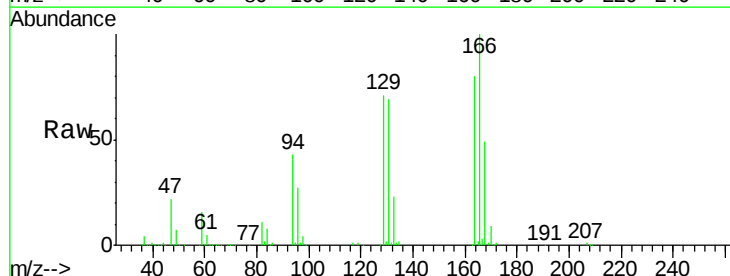
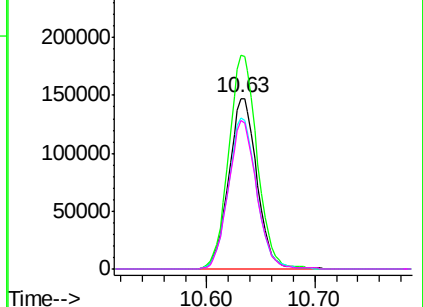
131 86.5 70.0 105.0

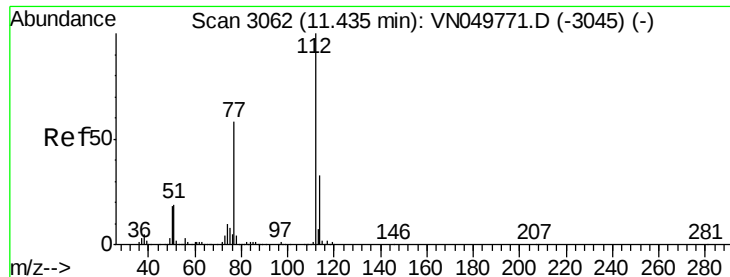
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 18.62 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN049784.D

Acq: 12 Jul 2018 21:54

Instrument :

MSVOA_N

ClientSampleId :

VN0712WBS01

Tot Ion:112 Resp: 759893

Ion Ratio Lower Upper

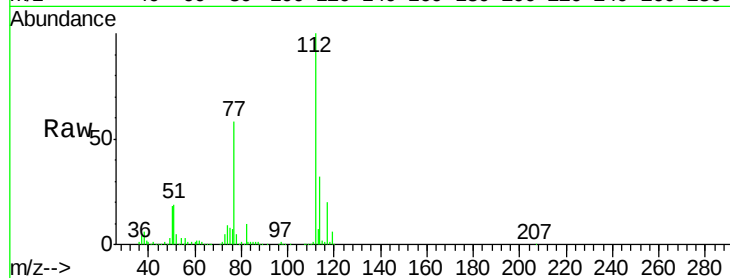
112 100

114 32.3 25.4 38.0

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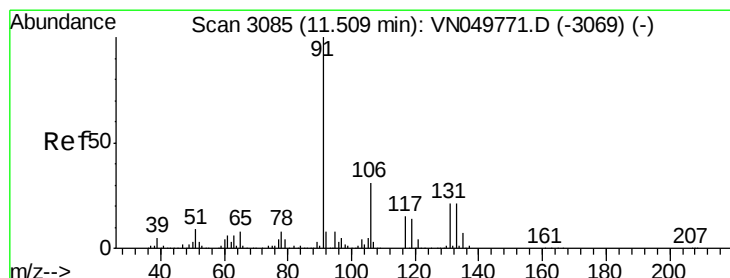
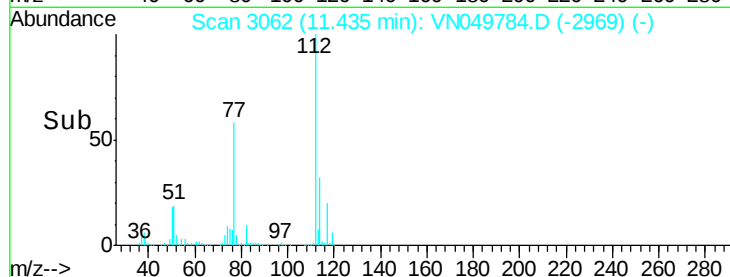
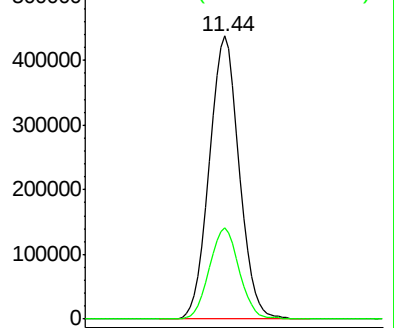
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 18.97 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. -0.00 min

Lab File: VN049784.D

Acq: 12 Jul 2018 21:54

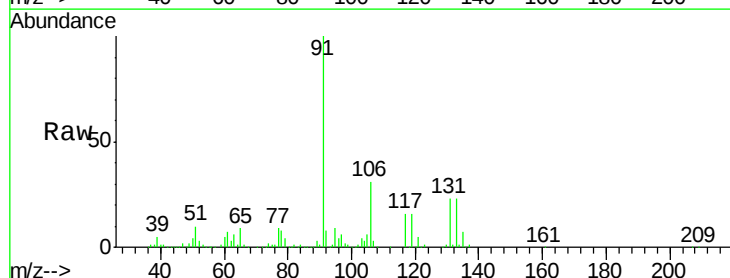
Tgt Ion:131 Resp: 291171

Ion Ratio Lower Upper

131 100

133 96.5 47.5 142.6

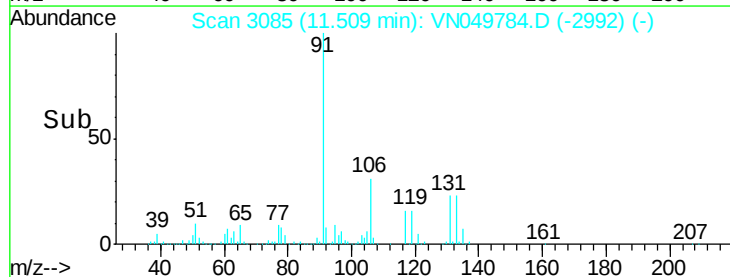
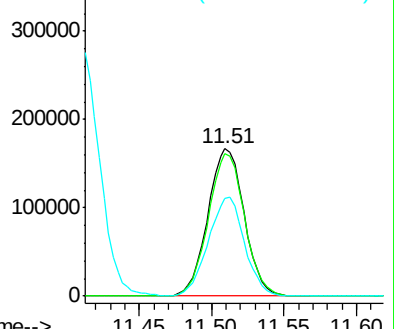
119 66.7 33.1 99.3

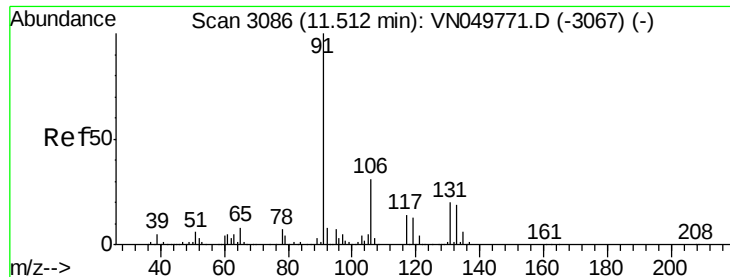


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 18.76 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. -0.00 min

Lab File: VN049784.D

Acq: 12 Jul 2018 21:54

Instrument :

MSVOA_N

ClientSampled :

VN0712WBS01

Tot Ion: 91 Resp: 1253088

Ion Ratio Lower Upper

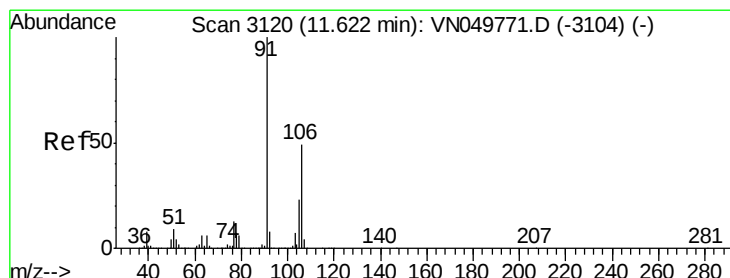
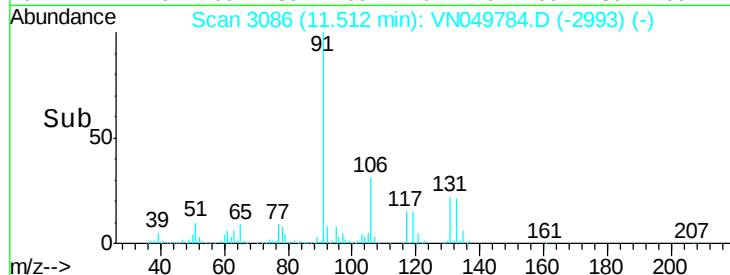
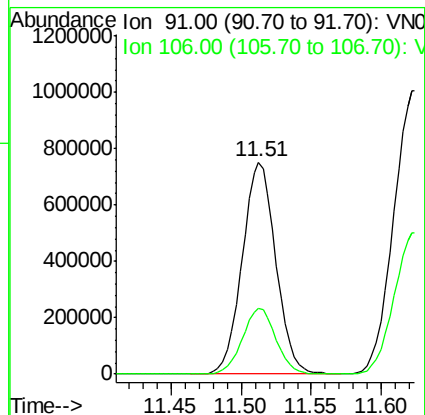
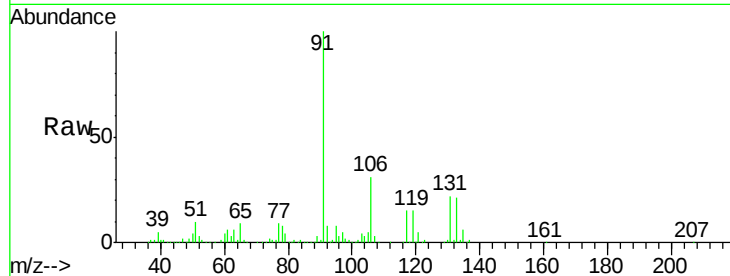
91 100

106 31.2 24.8 37.2

Manual Integrations
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#68

m/p-Xylenes

Concen: 38.69 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. -0.00 min

Lab File: VN049784.D

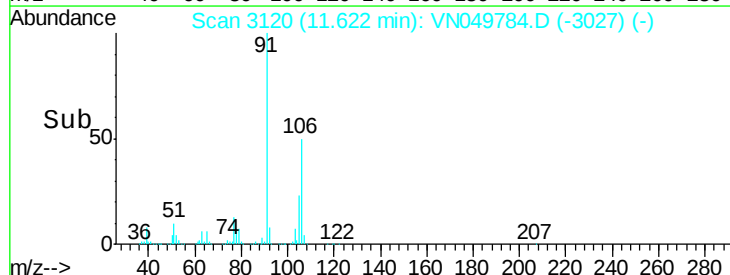
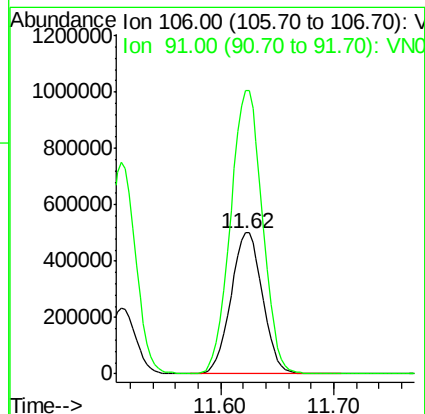
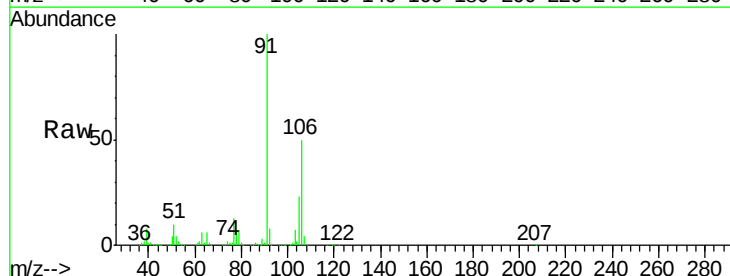
Acq: 12 Jul 2018 21:54

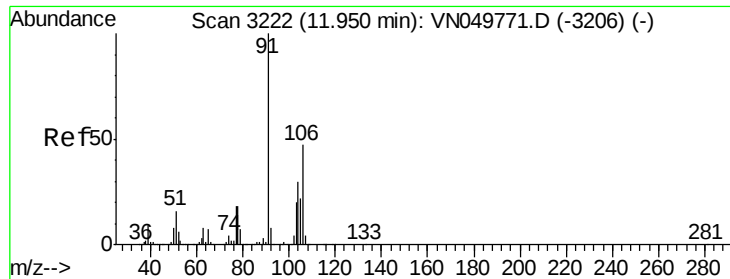
Tgt Ion: 106 Resp: 970159

Ion Ratio Lower Upper

106 100

91 203.1 163.4 245.2





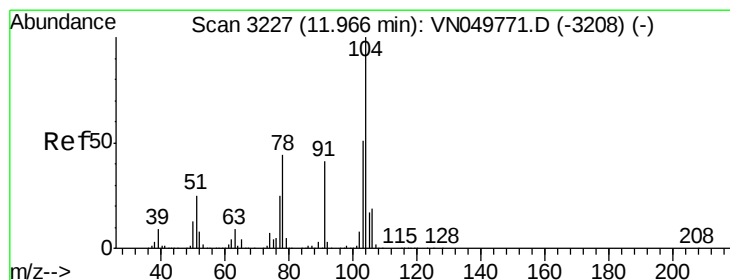
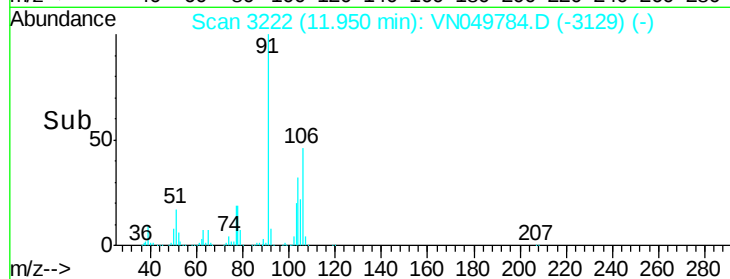
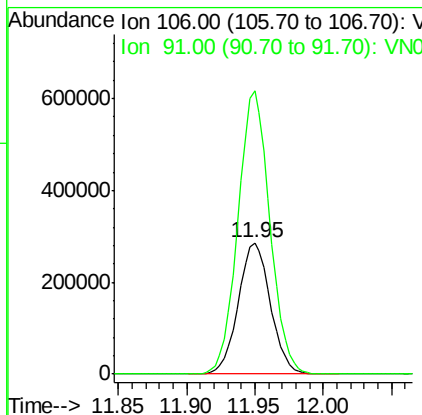
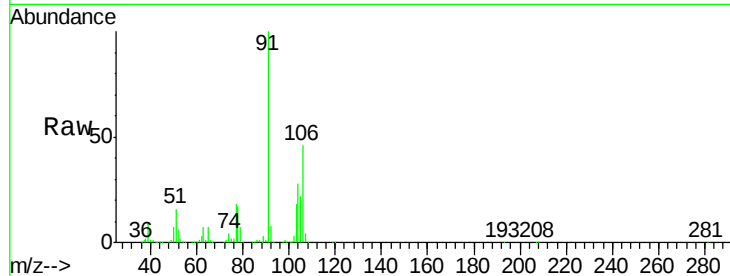
#69
o-Xylene
Concen: 19.32 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. -0.00 min
Lab File: VN049784.D
Acq: 12 Jul 2018 21:54

Instrument :
MSVOA_N
ClientSampleId :
VN0712WBS01

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	213.5	108.7	326.1	

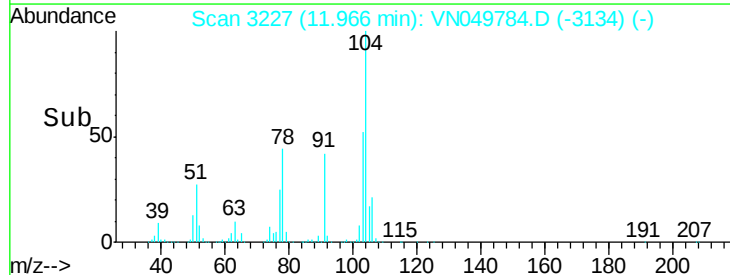
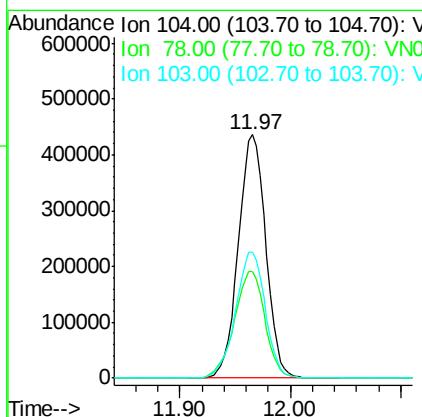
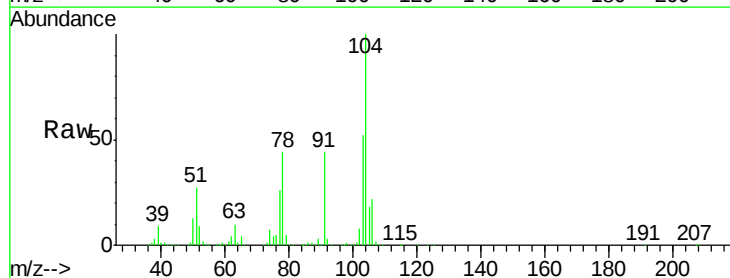
Manual Integrations
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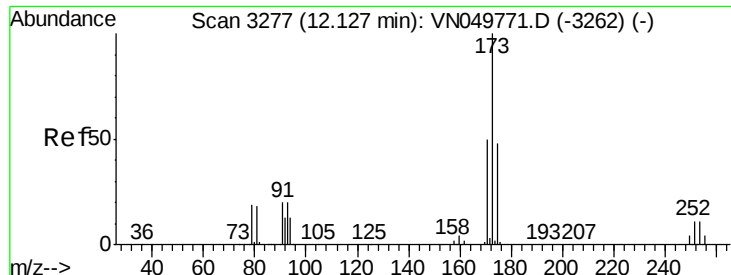
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#70
Styrene
Concen: 19.53 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. -0.00 min
Lab File: VN049784.D
Acq: 12 Jul 2018 21:54

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	48.7	39.2	58.8	
103	56.0	44.6	67.0	





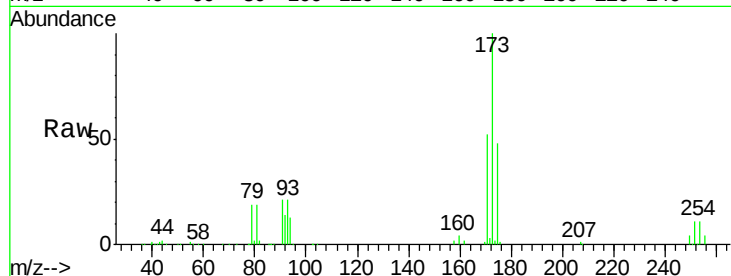
#71
Bromoform
Concen: 18.93 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. -0.00 min
Lab File: VN049784.D
Acq: 12 Jul 2018 21:54

Instrument :
MSVOA_N
ClientSampled :
VN0712WBS01

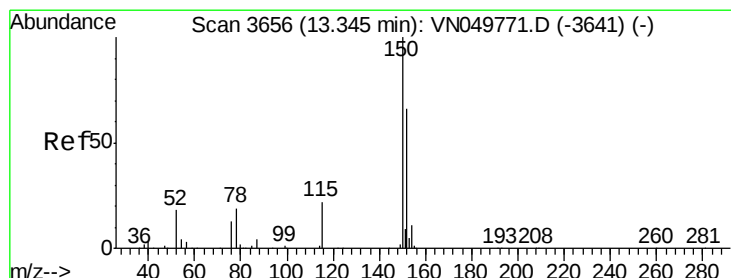
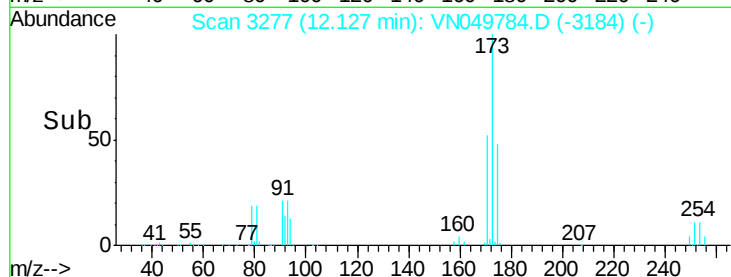
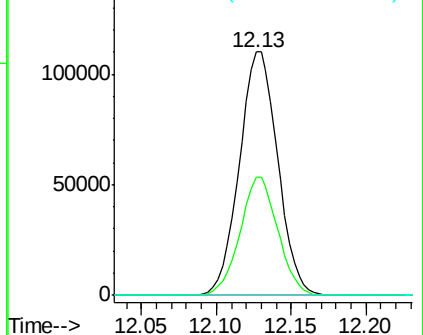
Tot Ion	Ratio	Lower	Upper
173	100		
175	47.7	24.6	73.8
254	0.0	0.2	0.2

Manual Integrations
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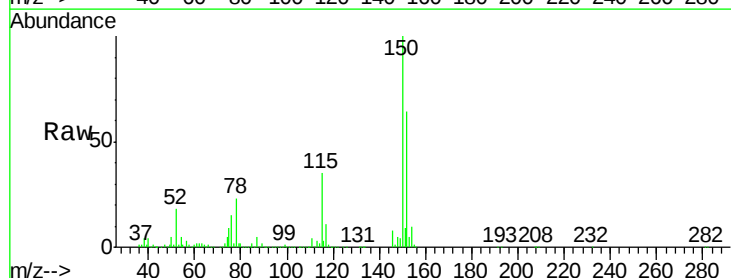


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

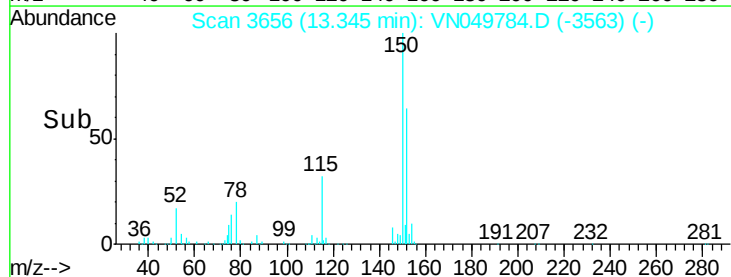
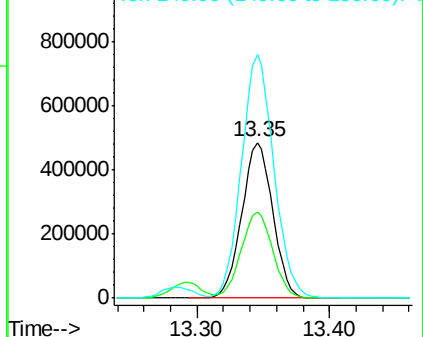


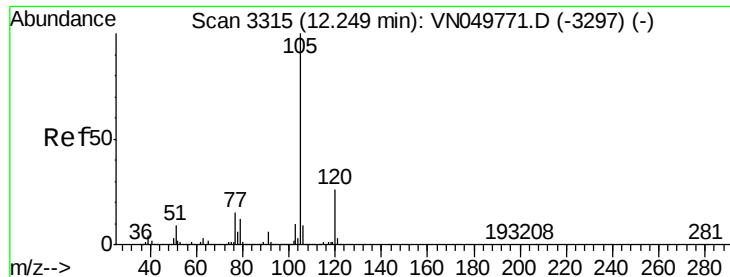
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. -0.00 min
Lab File: VN049784.D
Acq: 12 Jul 2018 21:54

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.2	28.1	84.2
150	164.5	0.0	347.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.20 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049784.D

Acq: 12 Jul 2018 21:54

Instrument :

MSVOA_N

ClientSampleId :

VN0712WBS01

Tot Ion:105 Resp: 1252115

Ion Ratio Lower Upper

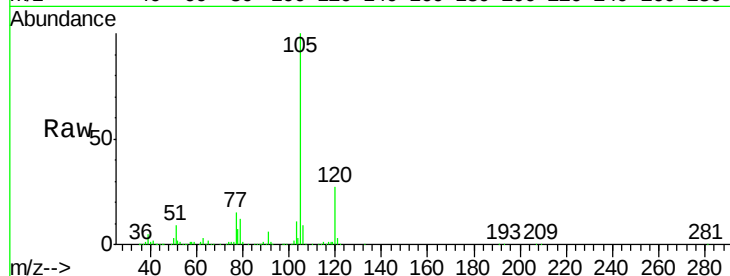
105 100

120 26.8 13.3 39.8

Manual Integrations
APPROVED

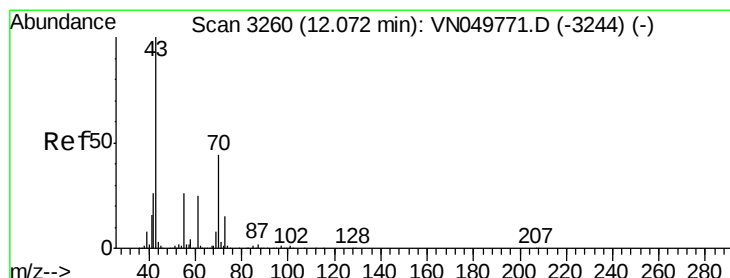
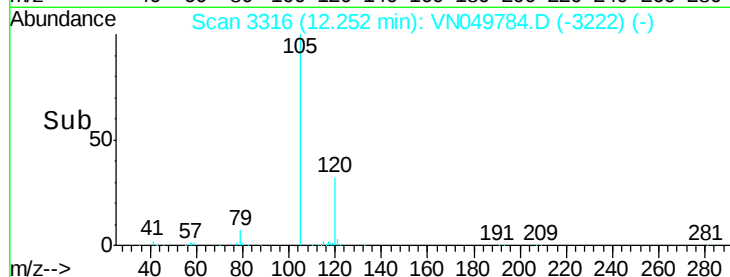
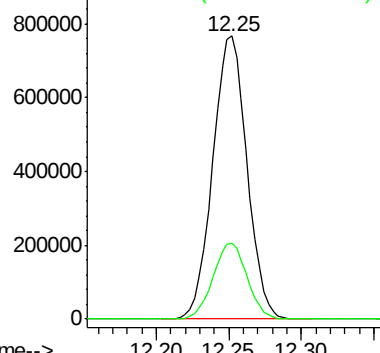
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.85 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN049784.D

Acq: 12 Jul 2018 21:54

Tgt Ion: 43 Resp: 319751

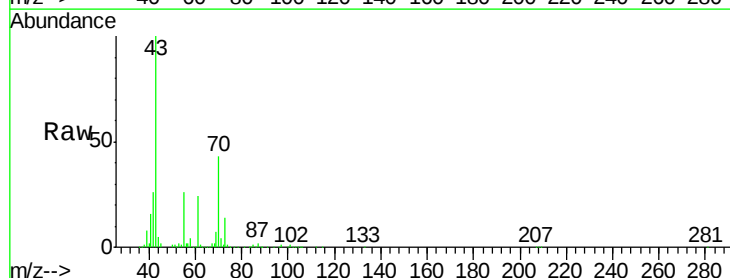
Ion Ratio Lower Upper

43 100

70 43.1 34.8 52.2

55 26.3 20.9 31.3

61 24.3 19.9 29.9

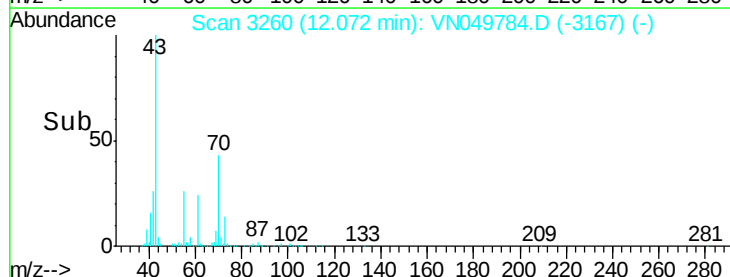
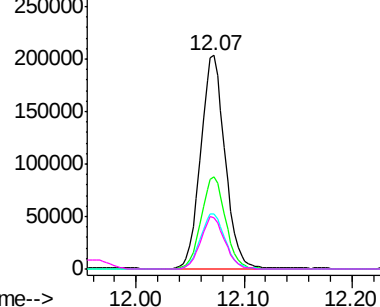


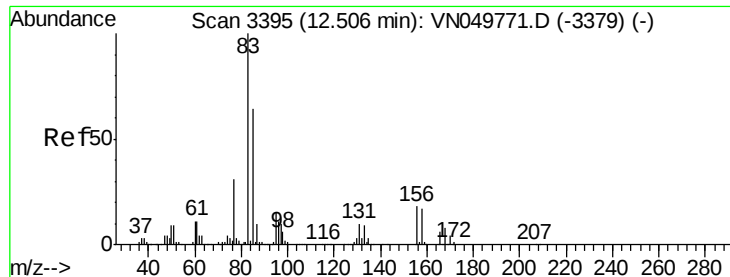
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 19.82 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. -0.00 min

Lab File: VN049784.D

Acq: 12 Jul 2018 21:54

Instrument :

MSVOA_N

ClientSampleId :

VN0712WBS01

Tot Ion: 83 Resp: 315679
Ion Ratio Lower Upper

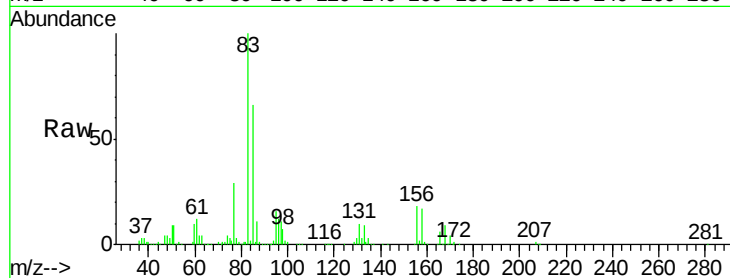
83 100

131 10.6 5.2 15.6

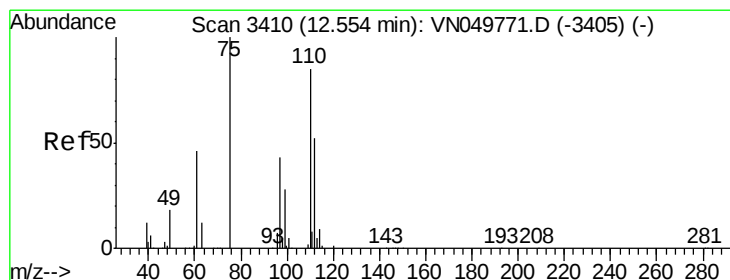
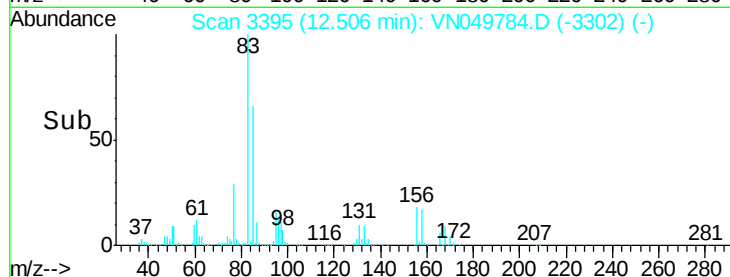
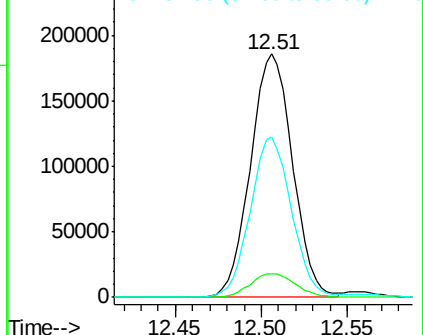
85 64.6 32.5 97.4

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VN



#76

1,2,3-Trichloropropane

Concen: 18.57 ug/l m

RT: 12.55 min Scan# 3410

Delta R.T. -0.00 min

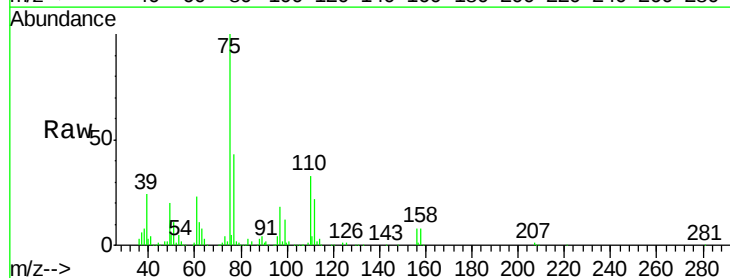
Lab File: VN049784.D

Acq: 12 Jul 2018 21:54

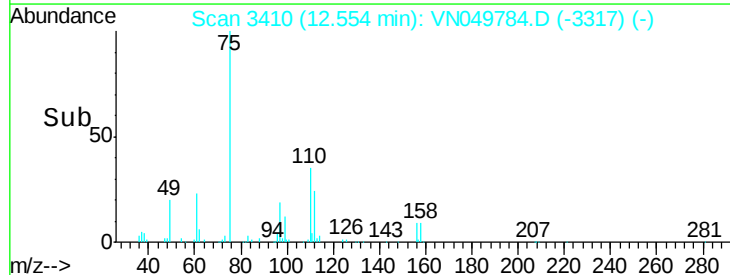
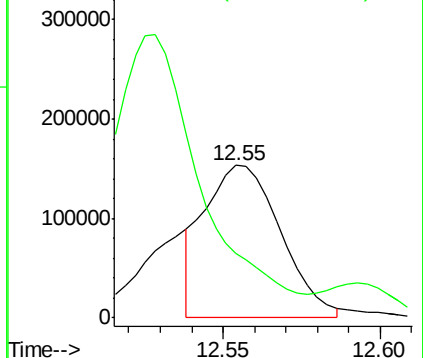
Tgt Ion: 75 Resp: 258863
Ion Ratio Lower Upper

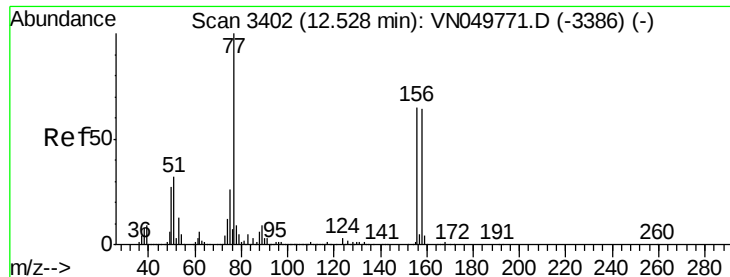
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 77.00 (76.70 to 77.70): VN





#77

Bromobenzene

Concen: 18.78 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. -0.00 min

Lab File: VN049784.D

Acq: 12 Jul 2018 21:54

Instrument :

MSVOA_N

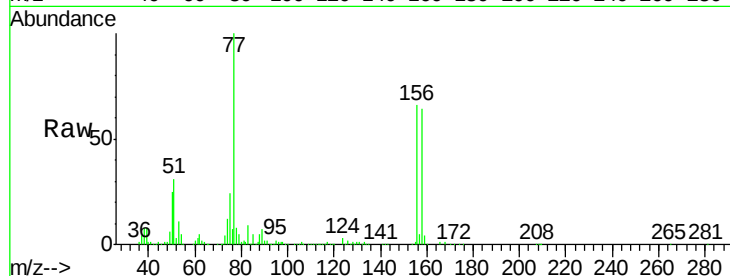
ClientSampleId :

VN0712WBS01

Tot Ion:	156	Resp:	324966
Ion Ratio	Lower	Upper	
156	100		
77	178.9	90.2	270.6
158	97.5	49.1	147.3

Manual Integrations
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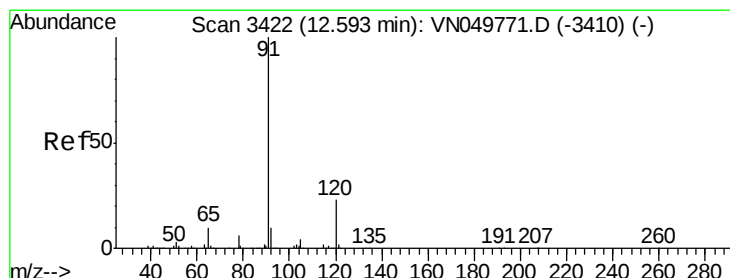
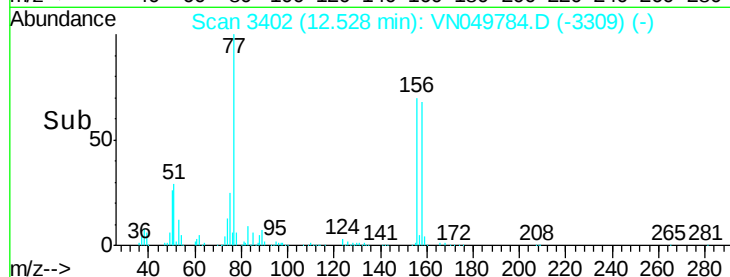
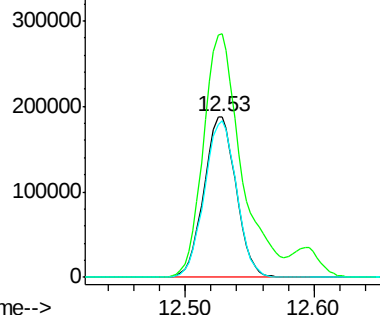
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.16 ug/l

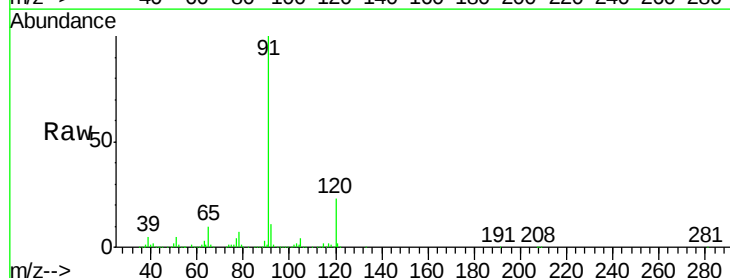
RT: 12.59 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN049784.D

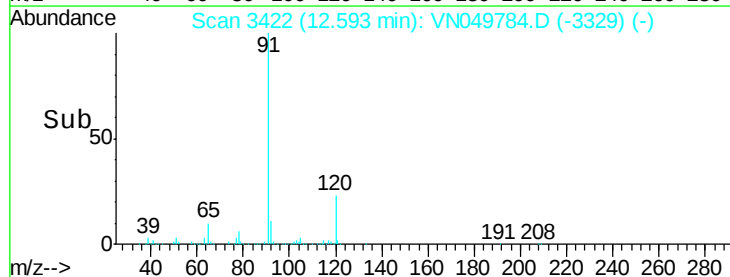
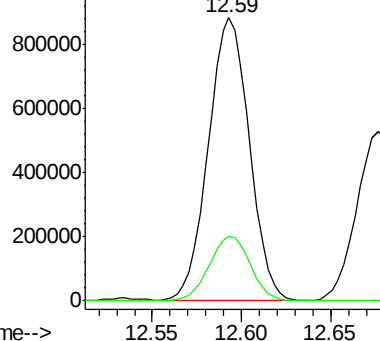
Acq: 12 Jul 2018 21:54

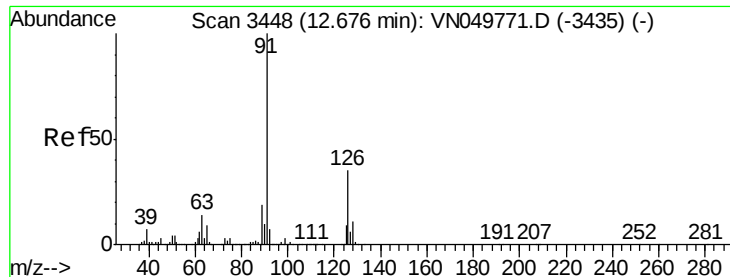
Tgt Ion:	91	Resp:	1408769
Ion Ratio	Lower	Upper	
91	100		
120	23.0	11.5	34.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.38 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. -0.00 min

Lab File: VN049784.D

Acq: 12 Jul 2018 21:54

Instrument :

MSVOA_N

ClientSampleId :

VN0712WBS01

Tot Ion: 91 Resp: 872321

Ion Ratio Lower Upper

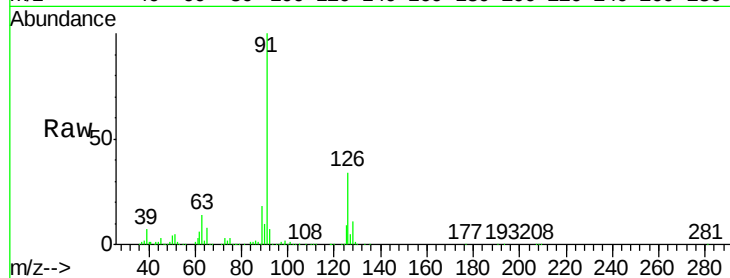
91 100

126 34.8 17.5 52.5

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Abundance Ion 91.00 (90.70 to 91.70): VN049771.D (-3435) (-)

Ion 125.90 (125.60 to 126.60): VN049771.D (-3435) (-)

800000

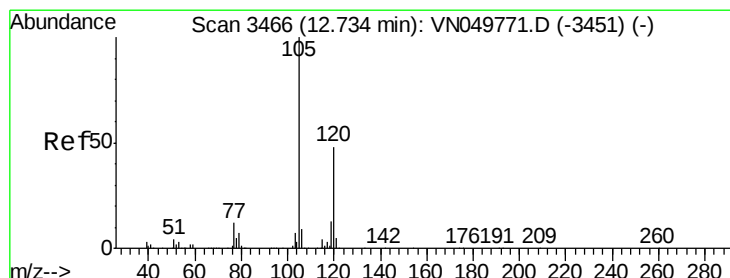
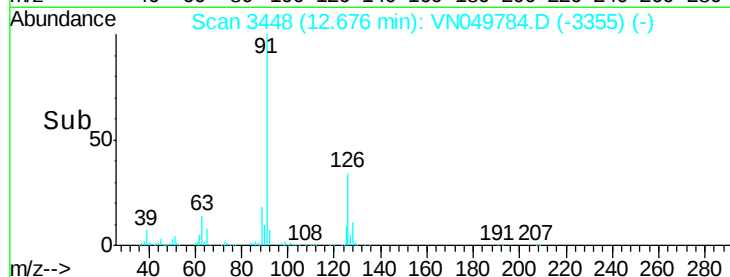
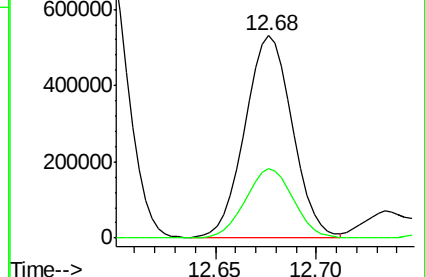
600000

400000

200000

0

12.65 12.68 12.70



#80

1,3,5-Trimethylbenzene

Concen: 19.80 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN049784.D

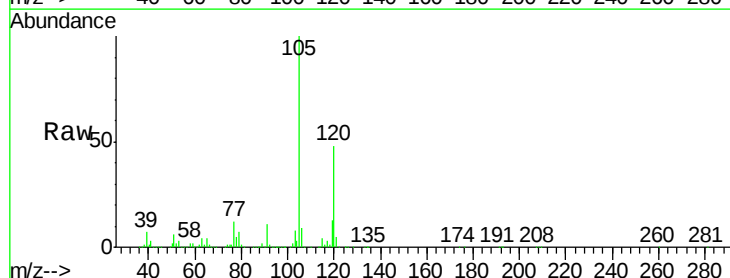
Acq: 12 Jul 2018 21:54

Tgt Ion: 105 Resp: 1026081

Ion Ratio Lower Upper

105 100

120 48.7 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VN049771.D (-3451) (-)

Ion 120.00 (119.70 to 120.70): VN049771.D (-3451) (-)

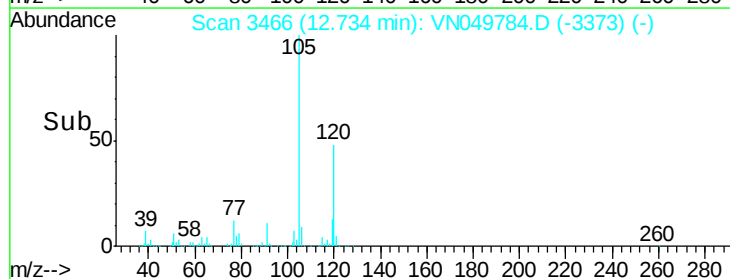
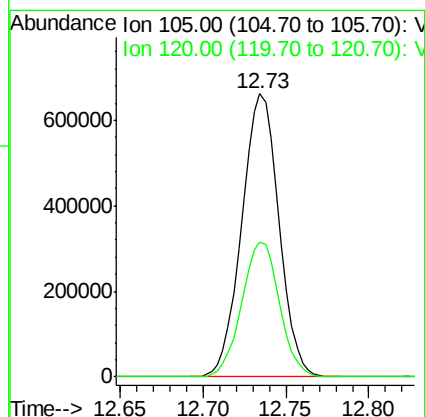
600000

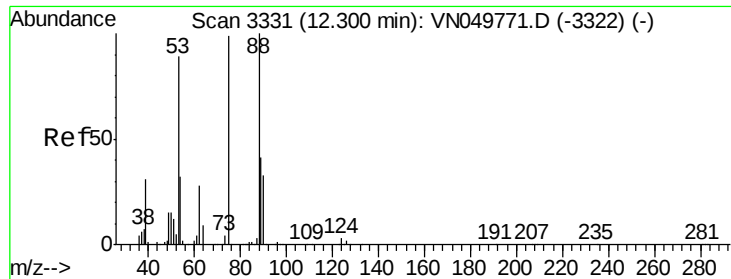
400000

200000

0

12.65 12.70 12.73 12.75 12.80





#81

trans-1,4-Dichloro-2-butene

Concen: 17.01 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. -0.00 min

Lab File: VN049784.D

Acq: 12 Jul 2018 21:54

Instrument :

MSVOA_N

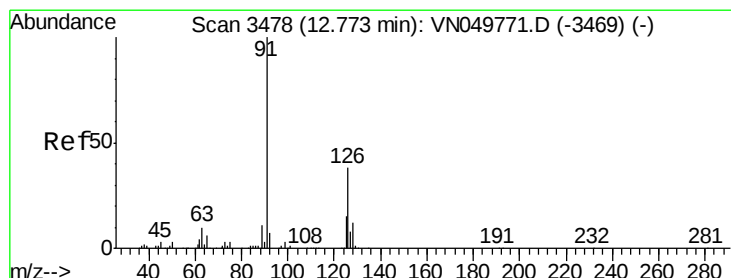
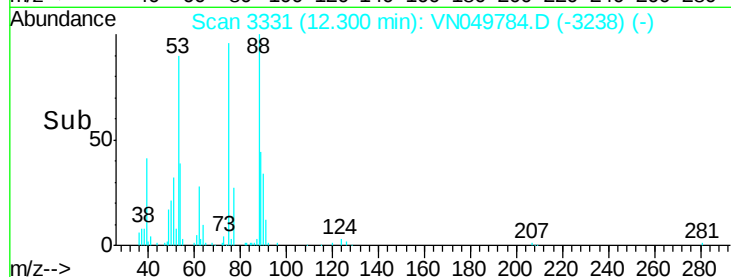
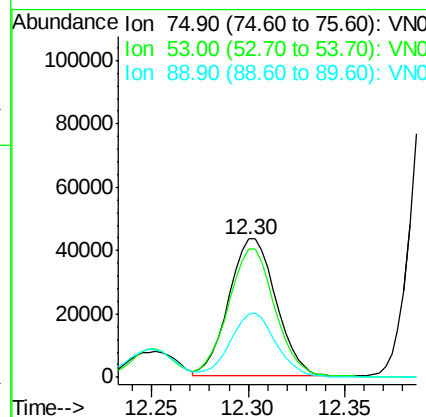
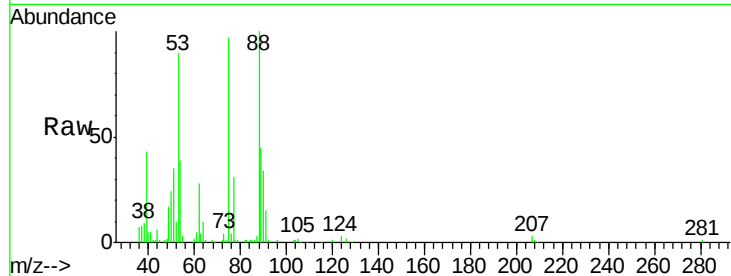
ClientSampled :

VN0712WBS01

Tot Ion:	75	Resp:	73424
Ion	Ratio	Lower	Upper
75	100		
53	93.6	73.9	110.9
89	45.8	35.9	53.9

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.22 ug/l

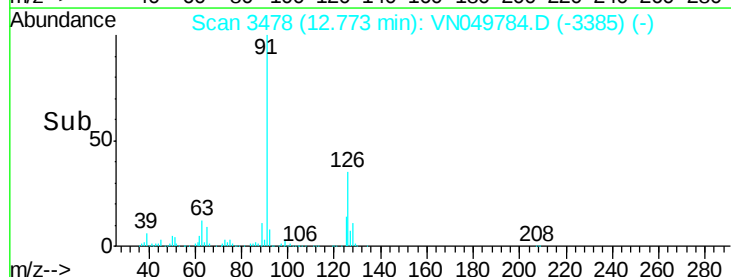
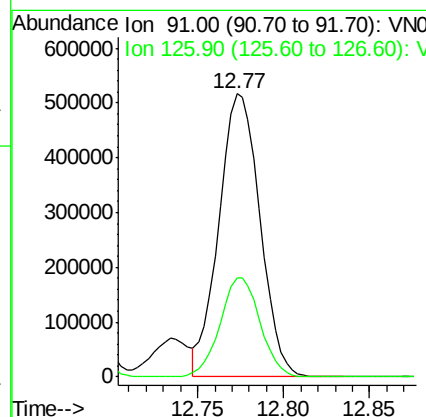
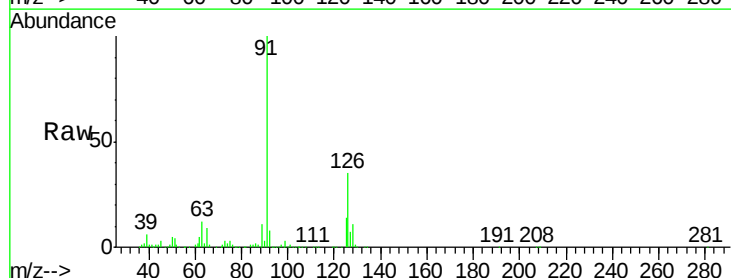
RT: 12.77 min Scan# 3478

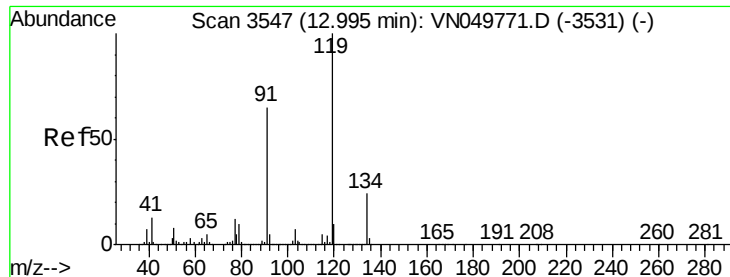
Delta R.T. -0.00 min

Lab File: VN049784.D

Acq: 12 Jul 2018 21:54

Tgt Ion:	91	Resp:	858018
Ion	Ratio	Lower	Upper
91	100		
126	34.3	17.2	51.6





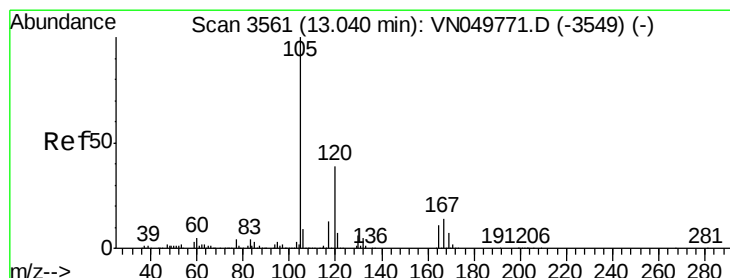
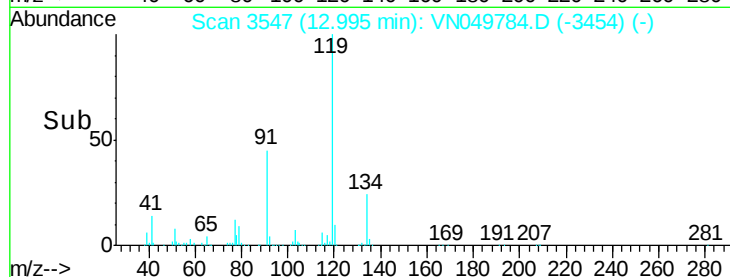
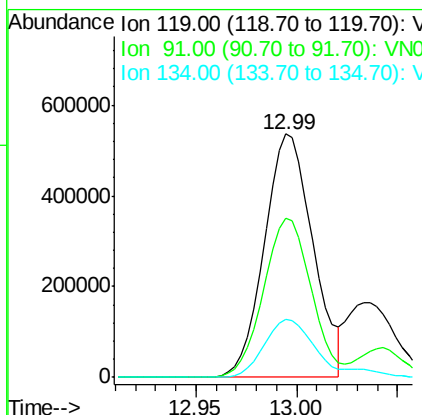
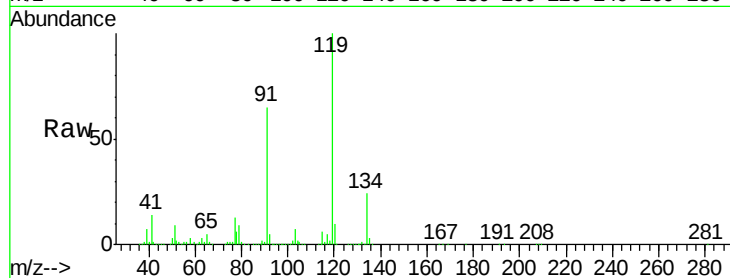
#83
 tert-Butylbenzene
 Concen: 19.34 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN049784.D
 Acq: 12 Jul 2018 21:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0712WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.2	32.0	96.2
134	26.6	12.8	38.4

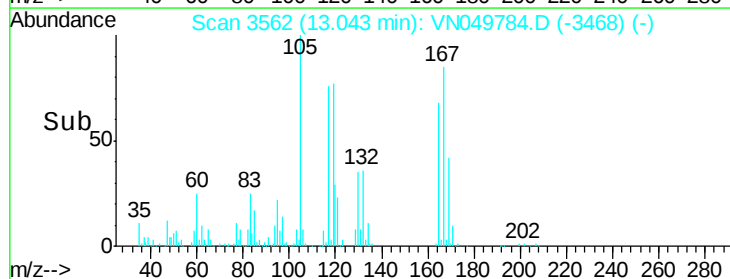
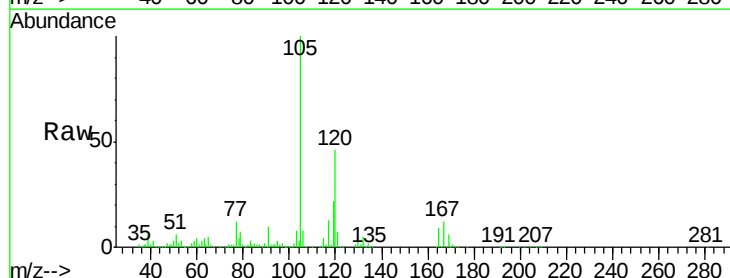
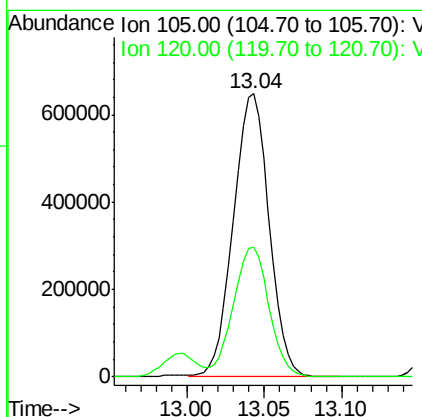
Manual Integrations
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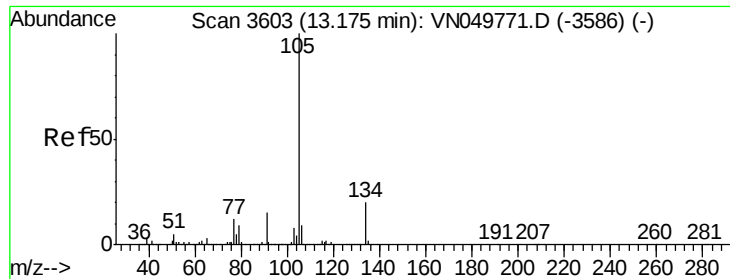
MMDadoda
 7/13/2018 1:35:38 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 19.92 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. 0.00 min
 Lab File: VN049784.D
 Acq: 12 Jul 2018 21:54

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.8	22.7	68.1





#85

sec-Butylbenzene

Concen: 19.46 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. -0.00 min

Lab File: VN049784.D

Acq: 12 Jul 2018 21:54

Instrument :

MSVOA_N

ClientSampleId :

VN0712WBS01

Tot Ion:105 Resp: 1182643

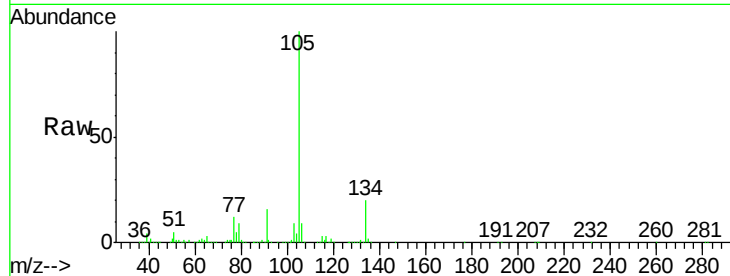
Ion Ratio Lower Upper

105 100

134 20.4 10.1 30.1

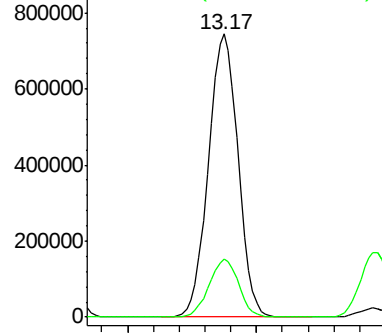
Manual Integrations
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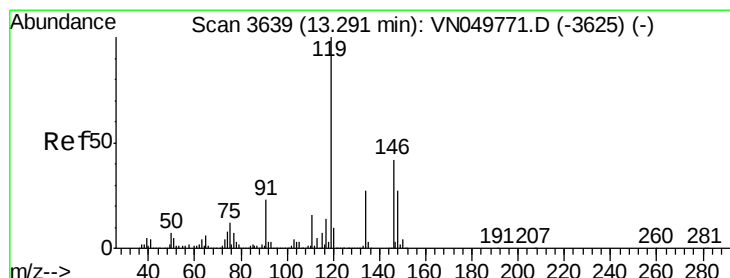
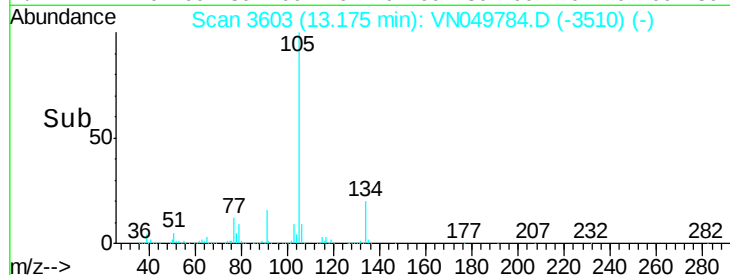


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



Time-->



#86

p-Isopropyltoluene

Concen: 19.41 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN049784.D

Acq: 12 Jul 2018 21:54

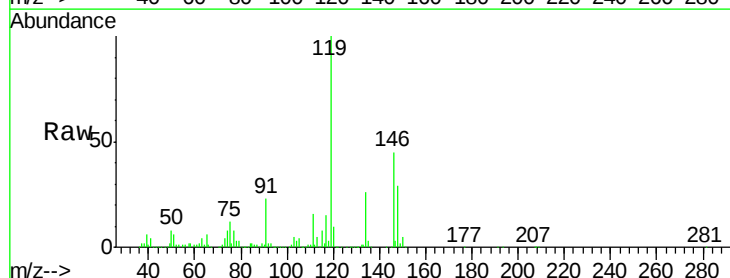
Tgt Ion:119 Resp: 998309

Ion Ratio Lower Upper

119 100

134 26.8 13.3 39.9

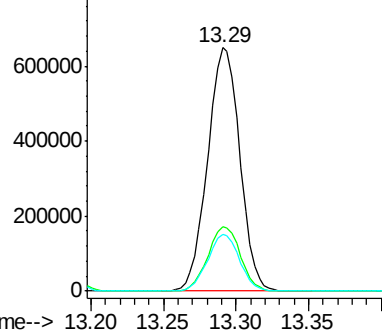
91 23.0 11.4 34.1



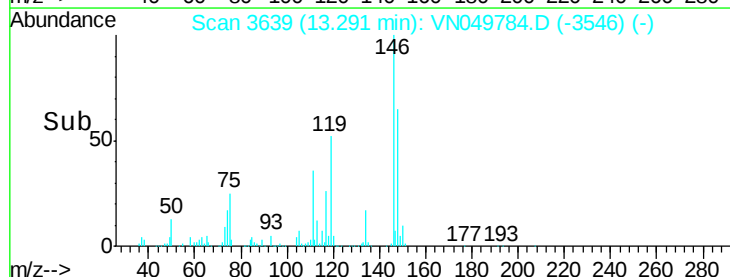
Abundance Ion 119.00 (118.70 to 119.70): V

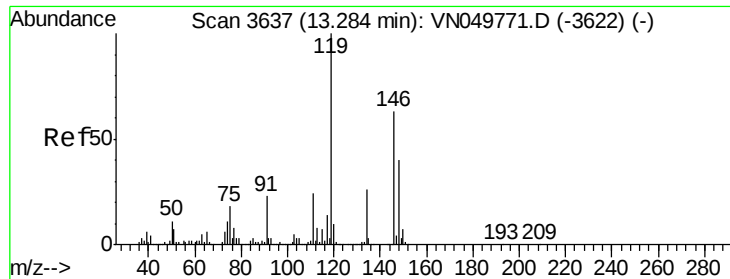
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



Time-->





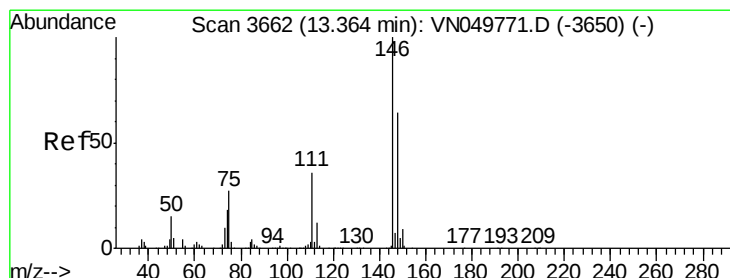
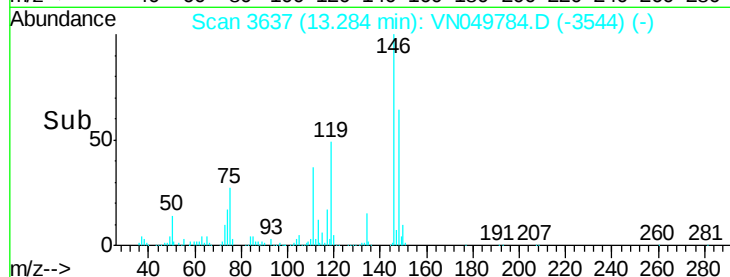
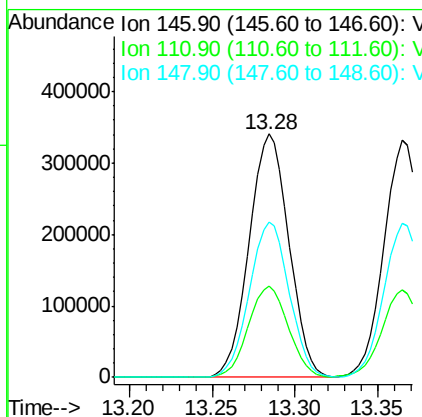
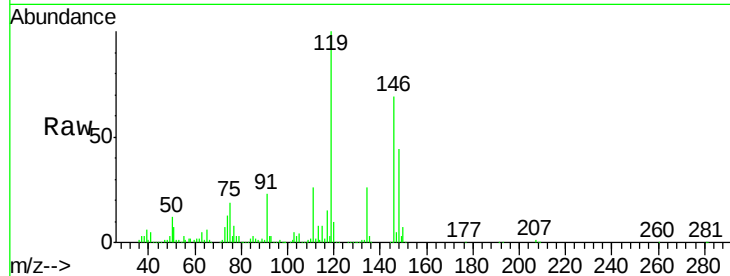
#87
 1,3-Dichlorobenzene
 Concen: 18.91 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.00 min
 Lab File: VN049784.D
 Acq: 12 Jul 2018 21:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0712WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	19.0	57.0
148	63.8	32.5	97.5

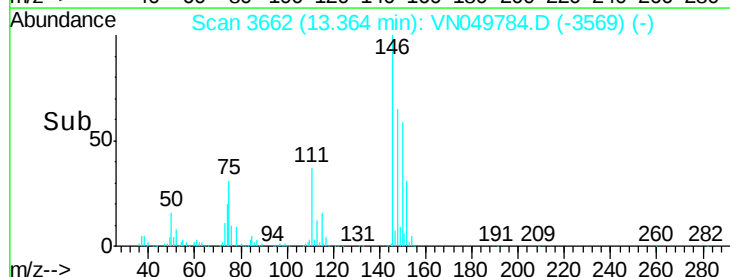
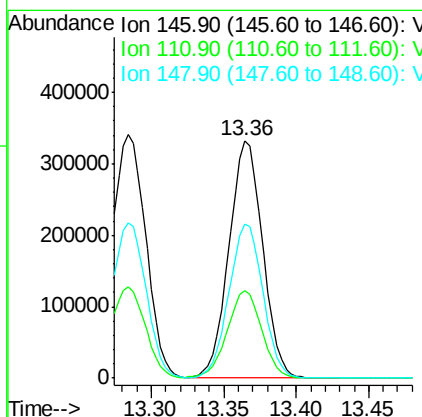
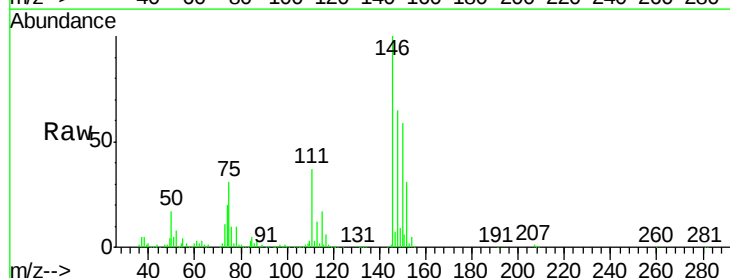
Manual Integrations
 APPROVED

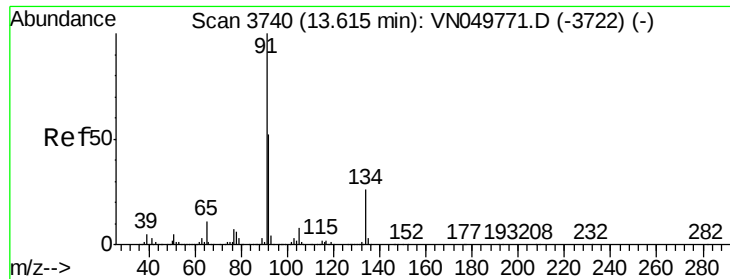
MMDadoda
 7/13/2018 1:35:38 PM



#88
 1,4-Dichlorobenzene
 Concen: 18.37 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VN049784.D
 Acq: 12 Jul 2018 21:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.9	56.5
148	65.7	32.1	96.3





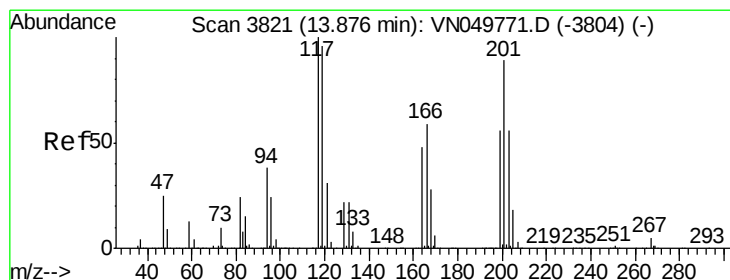
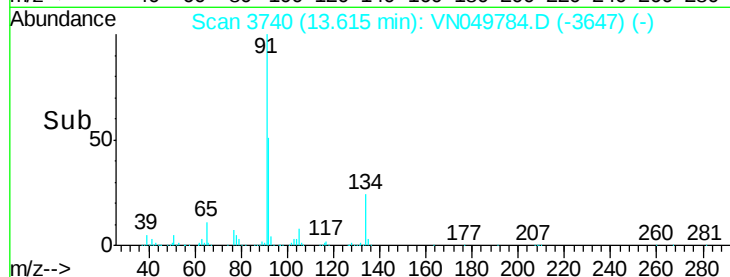
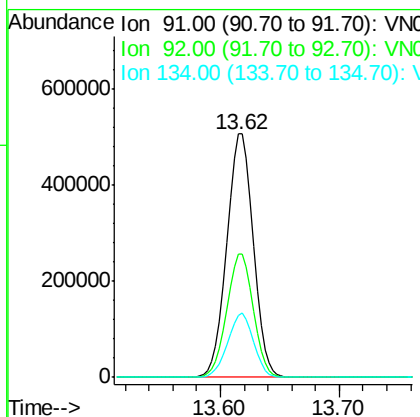
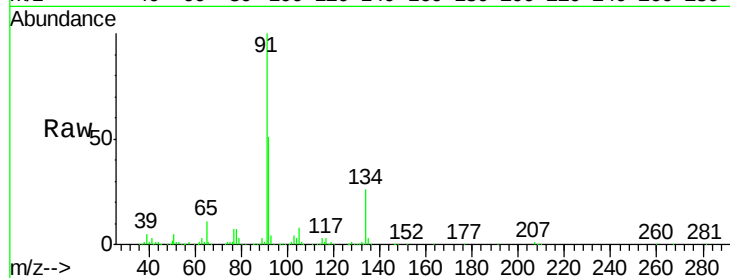
#89
n-Butylbenzene
Concen: 18.42 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN049784.D
Acq: 12 Jul 2018 21:54

Instrument :
MSVOA_N
ClientSampleId :
VN0712WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.6	25.8	77.3
134	25.7	13.0	38.9

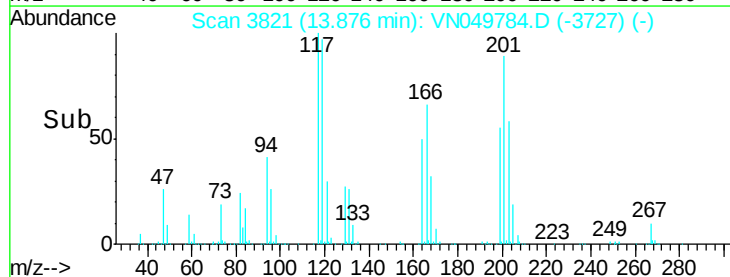
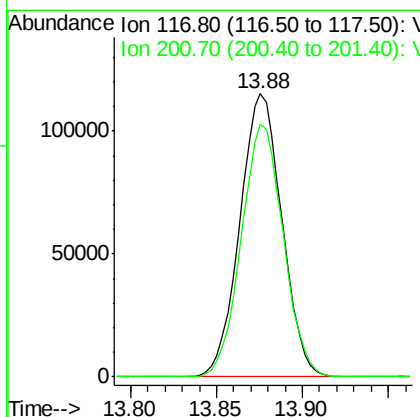
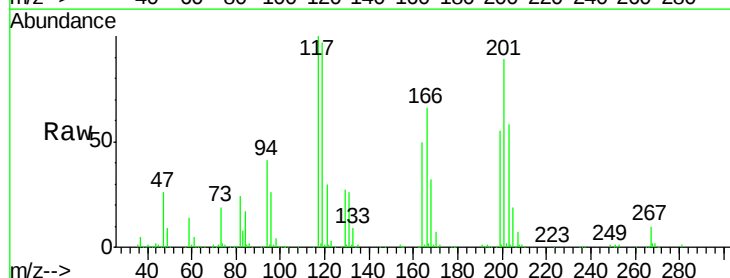
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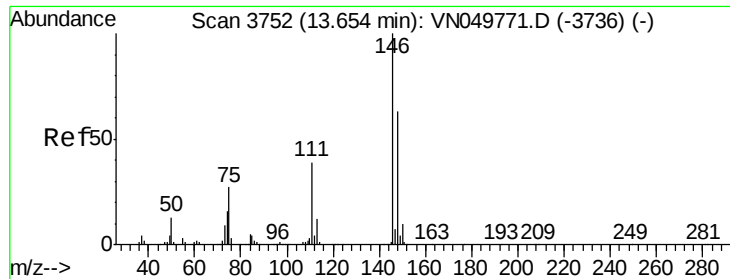
MMDadoda
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#90
Hexachloroethane
Concen: 19.01 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN049784.D
Acq: 12 Jul 2018 21:54

Tgt Ion	Ratio	Lower	Upper
117	100		
201	89.5	45.3	135.8





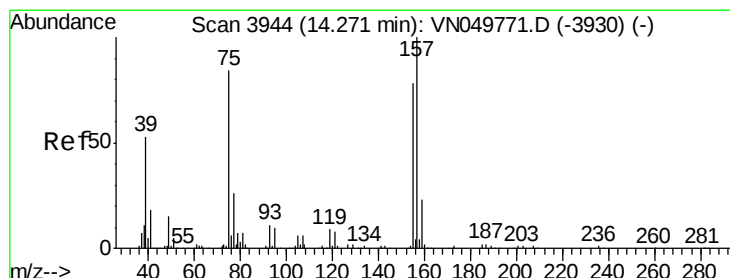
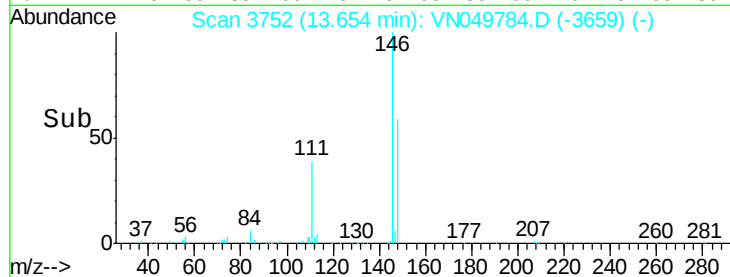
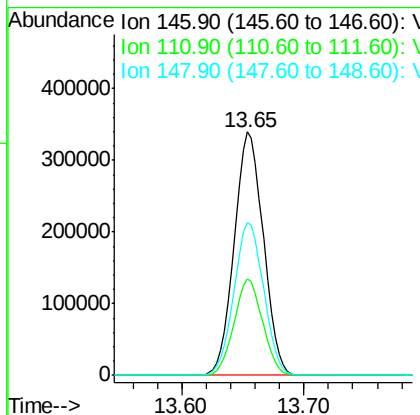
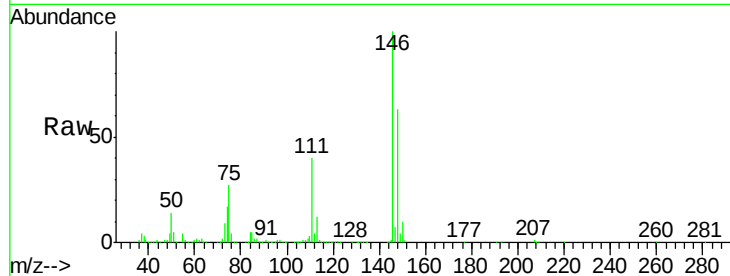
#91
 1,2-Dichlorobenzene
 Concen: 19.18 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN049784.D
 Acq: 12 Jul 2018 21:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0712WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.7	59.1
148	63.9	32.0	96.2

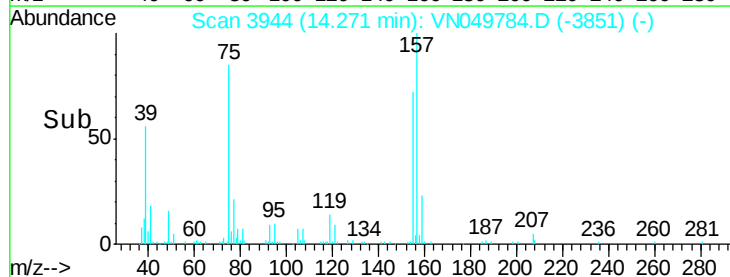
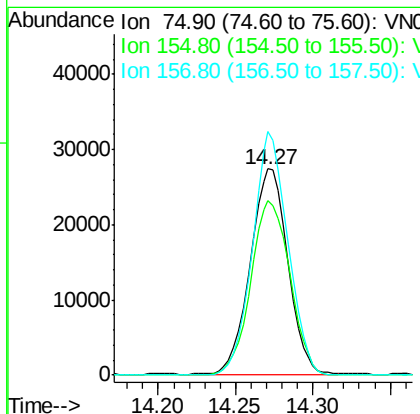
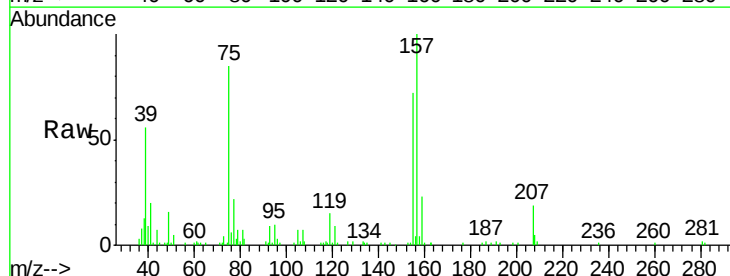
Manual Integrations
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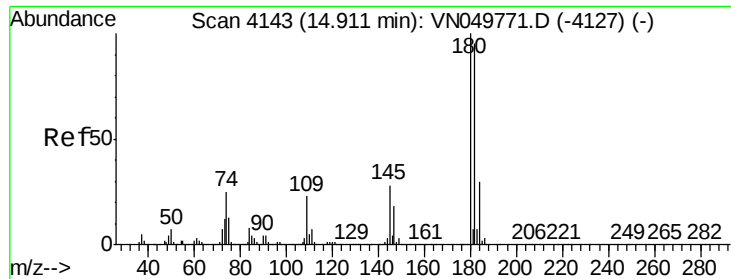
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.97 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN049784.D
 Acq: 12 Jul 2018 21:54

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.1	45.7	137.1
157	109.8	56.9	170.7





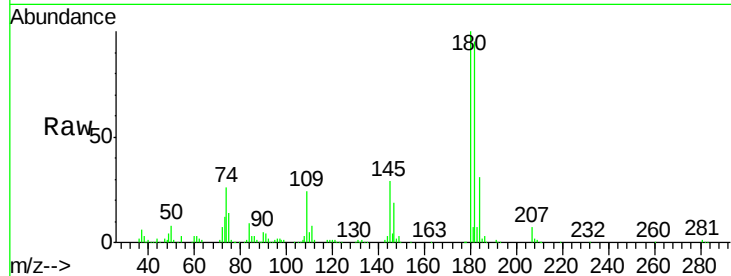
#93
 1,2,4-Trichlorobenzene
 Concen: 17.51 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN049784.D
 Acq: 12 Jul 2018 21:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0712WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	249652		
182	94.7	47.3	141.9	
145	28.0	14.4	43.0	

Manual Integrations
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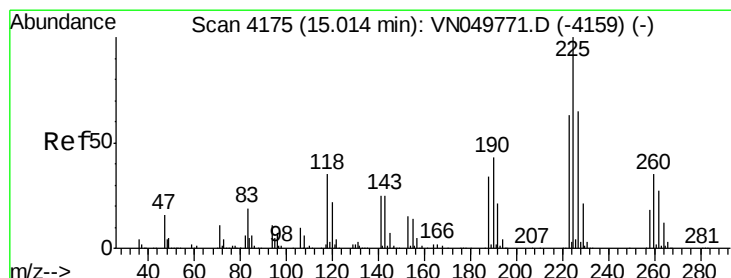
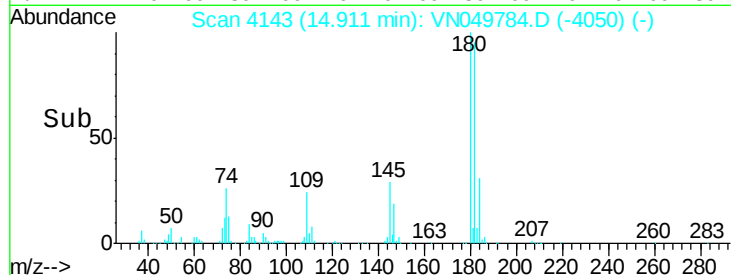
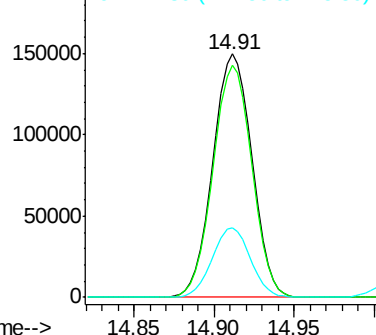


Abundance

Ion 179.80 (179.50 to 180.50): V

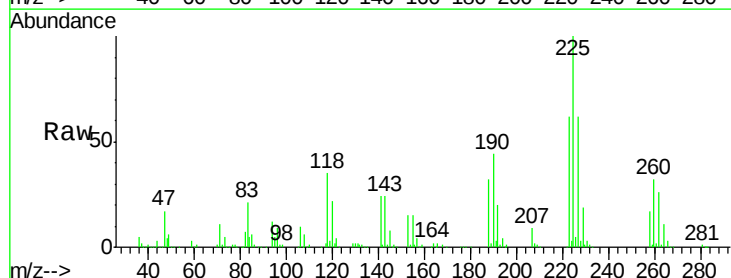
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 19.33 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN049784.D
 Acq: 12 Jul 2018 21:54

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	179082		
223	62.0	30.9	92.7	
227	62.5	31.8	95.4	

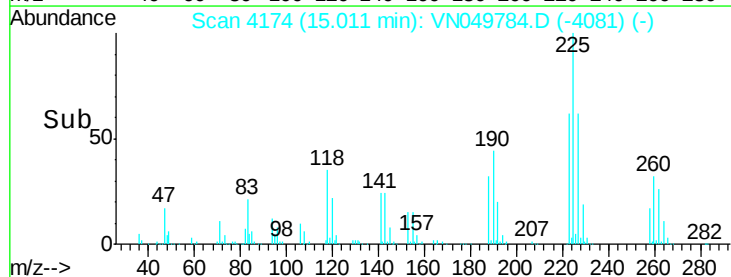
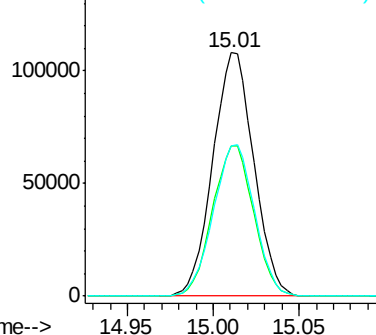


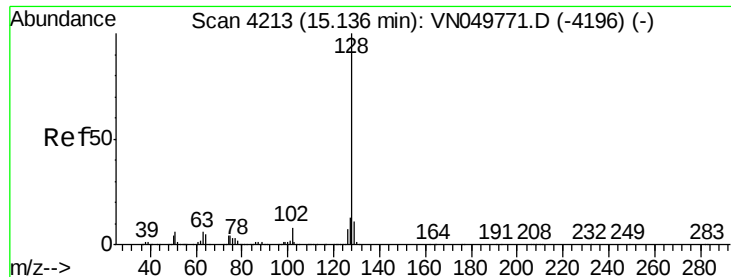
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 17.01 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049784.D

Acq: 12 Jul 2018 21:54

Instrument :

MSVOA_N

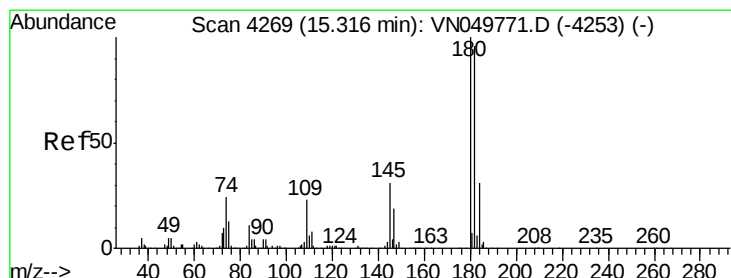
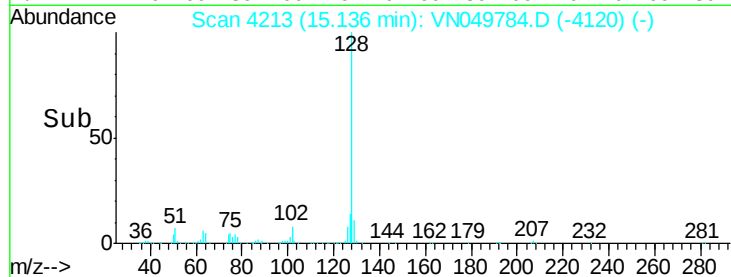
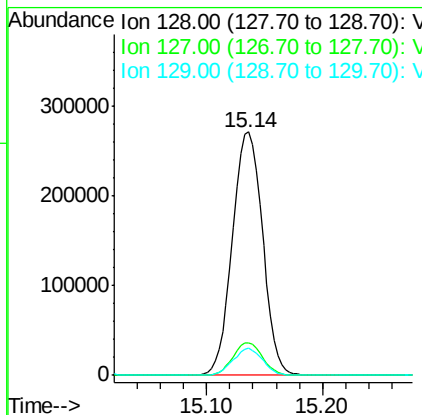
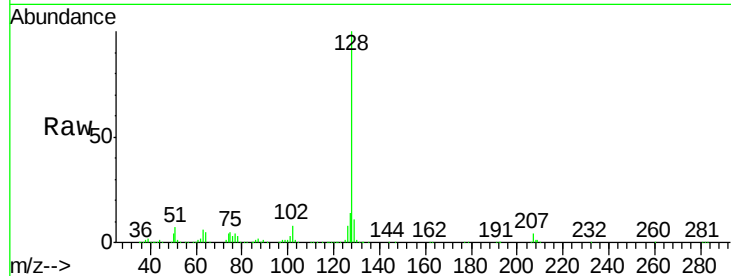
ClientSampleId :

VN0712WBS01

Tot Ion:	128	Resp:	490102
Ion Ratio		Lower	Upper
128	100		
127	13.1	10.4	15.6
129	10.8	8.6	13.0

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#96

1,2,3-Trichlorobenzene

Concen: 18.28 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. -0.00 min

Lab File: VN049784.D

Acq: 12 Jul 2018 21:54

Tgt Ion:	180	Resp:	259609
Ion Ratio		Lower	Upper
180	100		
182	96.9	47.4	142.2
145	30.9	15.2	45.6

