

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071218\
 Data File : VN049770.D
 Acq On : 12 Jul 2018 11:39
 Operator : MD\SY
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 7/13/2018 1:35:09 PM

Quant Time: Jul 12 15:45:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 12 15:09:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1204289	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1747001	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1577252	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	811320	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	263578	16.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	33.14%	
35) Dibromofluoromethane	7.59	113	245631	18.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.62%	
50) Toluene-d8	10.09	98	818207	16.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	32.00%	
62) 4-Bromofluorobenzene	12.40	95	288656	16.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	33.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	230639	16.99	ug/l	98
3) Chloromethane	2.06	50	297418	17.55	ug/l	99
4) Vinyl Chloride	2.18	62	328516	18.04	ug/l	99
5) Bromomethane	2.57	94	206149	21.56	ug/l	92
6) Chloroethane	2.70	64	214878	18.65	ug/l	97
7) Trichlorofluoromethane	3.01	101	468373	22.52	ug/l	98
8) Diethyl Ether	3.41	74	168047	19.94	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.75	101	294499	19.68	ug/l	100
10) Methyl Iodide	3.95	142	376908	20.13	ug/l	99
11) Tert butyl alcohol	4.81	59	103316	113.21	ug/l	98
12) 1,1-Dichloroethene	3.73	96	256522	18.14	ug/l	99
13) Acrolein	3.61	56	92524	108.54	ug/l	98
14) Allyl chloride	4.32	41	411437	21.18	ug/l	98
15) Acrylonitrile	4.99	53	493436	104.69	ug/l	99
16) Acetone	3.82	43	384193	97.54	ug/l	98
17) Carbon Disulfide	4.05	76	709120	16.54	ug/l	100
18) Methyl Acetate	4.33	43	262558	10.96	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	746638	20.48	ug/l	99
20) Methylene Chloride	4.55	84	309362	18.89	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	278999	19.17	ug/l	97
22) Diisopropyl ether	5.96	45	904064	20.57	ug/l	98
23) Vinyl Acetate	5.90	43	3019665	105.93	ug/l	100
24) 1,1-Dichloroethane	5.85	63	543087	19.61	ug/l	99
25) 2-Butanone	6.84	43	575485	109.00	ug/l	100
26) 2,2-Dichloropropane	6.83	77	454466	19.76	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	320047	19.68	ug/l	98
28) Bromochloromethane	7.19	49	260720	22.18	ug/l	99
29) Tetrahydrofuran	7.22	42	368880	109.62	ug/l	99
30) Chloroform	7.37	83	559478	19.82	ug/l	98
31) Cyclohexane	7.65	56	448338	16.44	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	474828	19.87	ug/l	99
36) 1,1-Dichloropropene	7.79	75	405141	20.61	ug/l	99
37) Ethyl Acetate	6.93	43	262869	22.93	ug/l	98
38) Carbon Tetrachloride	7.77	117	421243	22.03	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	416637	19.33	ug/l	97
40) Benzene	8.04	78	1225916	20.43	ug/l	100
41) Methacrylonitrile	7.17	41	125169	19.37	ug/l	93
42) 1,2-Dichloroethane	8.12	62	399121	20.84	ug/l	99
43) Isopropyl Acetate	8.17	43	452659	16.71	ug/l	96
44) Trichloroethene	8.84	130	323216	17.86	ug/l	98
45) 1,2-Dichloropropane	9.12	63	325418	20.99	ug/l	97
46) Dibromomethane	9.21	93	197772	21.08	ug/l	97
47) Bromodichloromethane	9.40	83	424803	21.27	ug/l	99
48) Methyl methacrylate	9.20	41	213617	20.97	ug/l	97
49) 1,4-Dioxane	9.20	88	59820	436.78	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	1289400	114.72	ug/l	100
52) Toluene	10.16	92	748356	20.64	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	413015	21.60	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	478931	21.43	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	295326	21.88	ug/l	99
56) Ethyl methacrylate	10.43	69	345784	21.85	ug/l	98
57) 1,3-Dichloropropane	10.71	76	466559	21.31	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	851118	115.54	ug/l	99
59) 2-Hexanone	10.75	43	852441	114.69	ug/l	98
60) Dibromochloromethane	10.90	129	325807	22.33	ug/l	100
61) 1,2-Dibromoethane	11.01	107	269418	20.83	ug/l	99
64) Tetrachloroethene	10.63	164	291393	13.64	ug/l	98
65) Chlorobenzene	11.44	112	820433	19.94	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	316046	21.38	ug/l	100
67) Ethyl Benzene	11.51	91	1370797	20.15	ug/l	100
68) m/p-Xylenes	11.62	106	1060807	40.70	ug/l	100
69) o-Xylene	11.95	106	507090	20.32	ug/l	98
70) Styrene	11.97	104	828570	20.52	ug/l	100
71) Bromoform	12.13	173	222516	22.65	ug/l #	97
73) Isopropylbenzene	12.25	105	1378239	21.33	ug/l	100
74) N-amyl acetate	12.07	43	368969	20.90	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	362277	23.74	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	301984m	23.21	ug/l	
77) Bromobenzene	12.53	156	351398	20.00	ug/l	99
78) n-propylbenzene	12.59	91	1560092	21.06	ug/l	100
79) 2-Chlorotoluene	12.68	91	955616	20.39	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1123891	20.93	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	89460	23.35	ug/l	97
82) 4-Chlorotoluene	12.78	91	962404	20.42	ug/l	100
83) tert-Butylbenzene	12.99	119	972836	21.09	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1148840	20.82	ug/l	100
85) sec-Butylbenzene	13.17	105	1325360	21.68	ug/l	100
86) p-Isopropyltoluene	13.29	119	1129278	21.33	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	627982	19.36	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	603797	18.64	ug/l	99
89) n-Butylbenzene	13.62	91	892559	19.69	ug/l	100
90) Hexachloroethane	13.88	117	218498	39.29	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	621282	19.70	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	52874	19.86	ug/l	98

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ClientSampleId :
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Quant Title : SW846 8260
QLast Update : Thu Jul 12 15:09:53 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	290654	20.02	ug/l	98
94) Hexachlorobutadiene	15.01	225	198256	19.69	ug/l	98
95) Naphthalene	15.14	128	578694	18.57	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	293264	19.63	ug/l	98

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

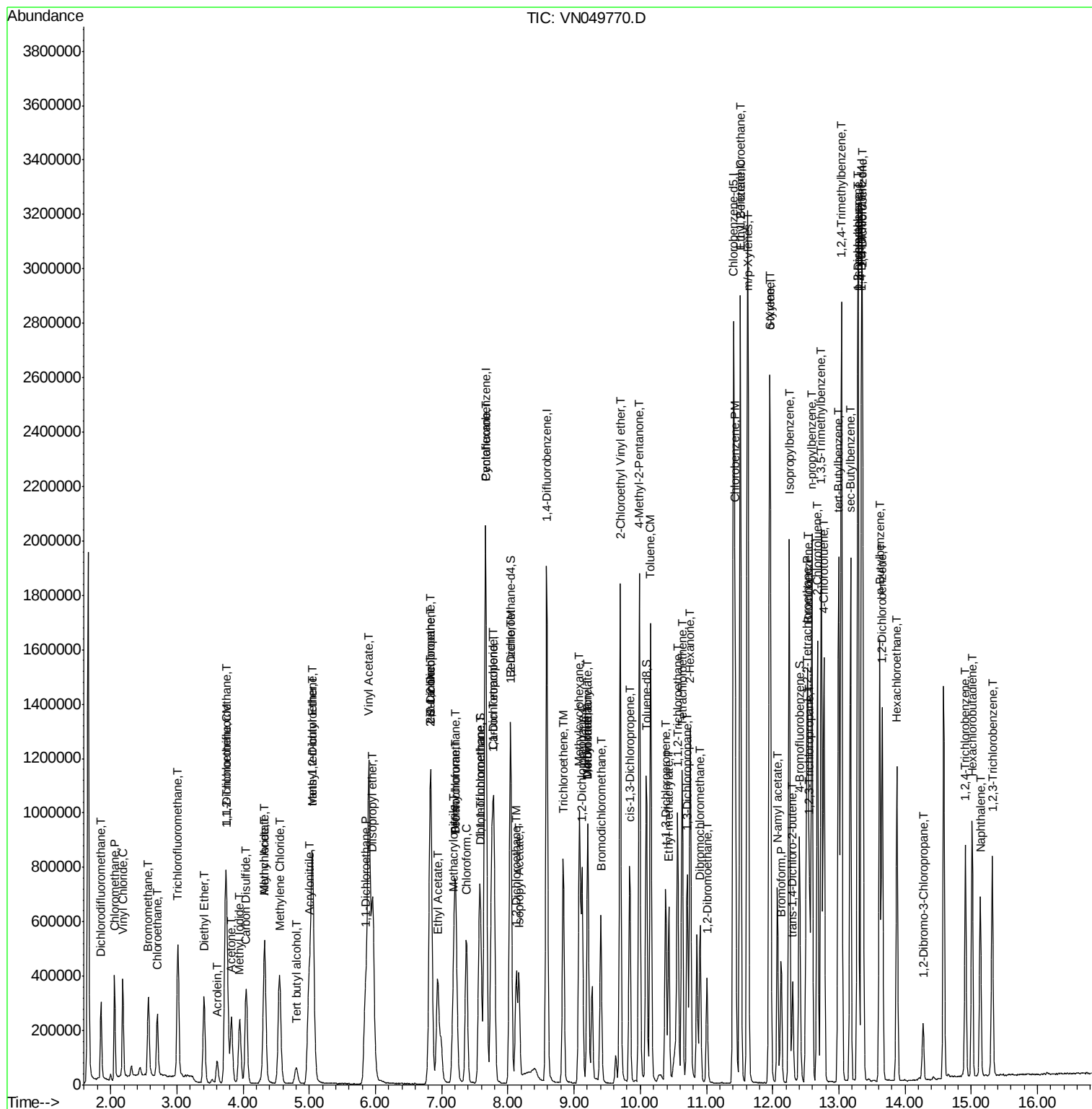
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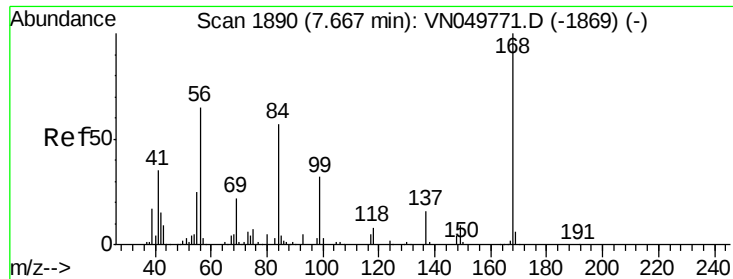
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Manual Integrations
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN049770.D

Acq: 12 Jul 2018 11:39

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion:168 Resp: 1204289

Ion Ratio Lower Upper

168 100

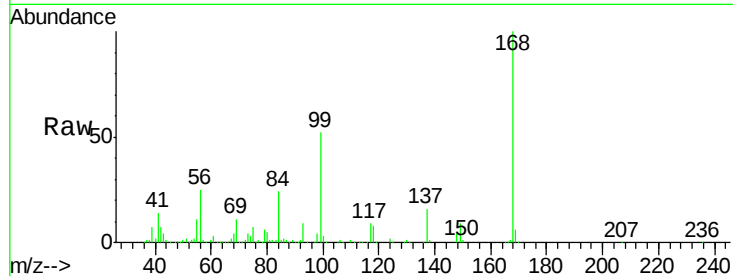
99 51.3 40.6 61.0

Manual Integrations

APPROVED

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7/13/2018 1:35:09 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

600000

500000

400000

300000

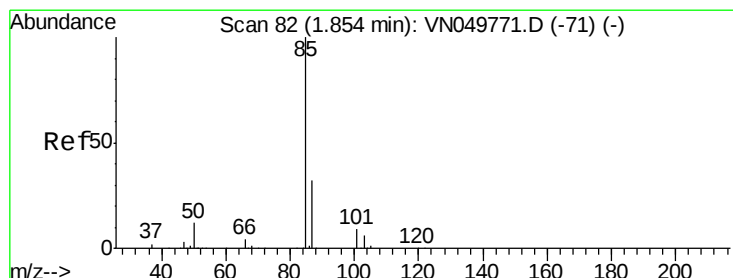
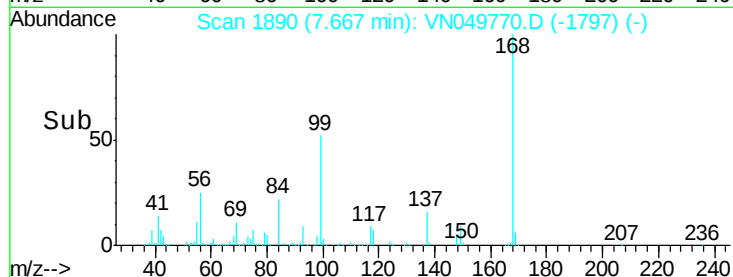
200000

100000

0

7.60 7.65 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 16.99 ug/l

RT: 1.85 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN049770.D

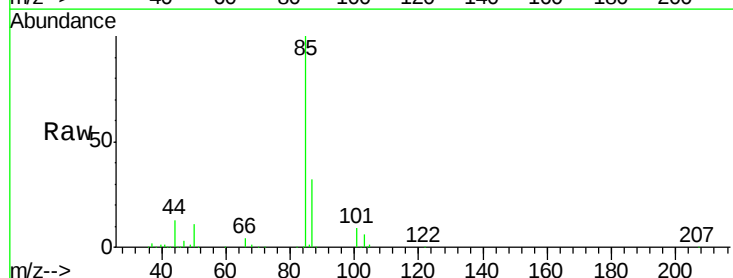
Acq: 12 Jul 2018 11:39

Tgt Ion: 85 Resp: 230639

Ion Ratio Lower Upper

85 100

87 31.6 15.4 46.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

150000

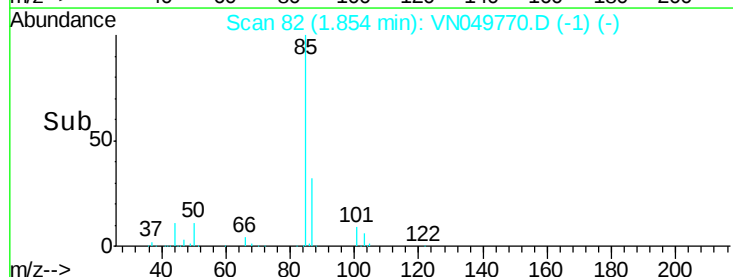
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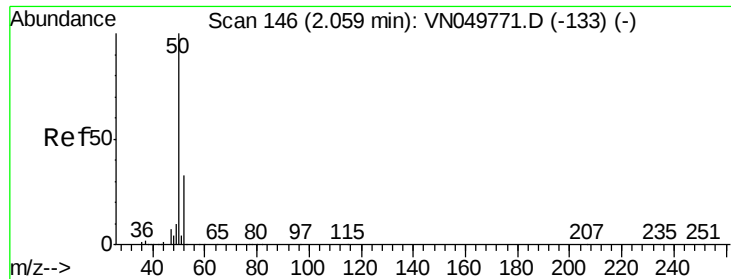
50000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 17.55 ug/l

RT: 2.06 min Scan# 146

Delta R.T. -0.00 min

Lab File: VN049770.D

Acq: 12 Jul 2018 11:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 297418

Ion Ratio Lower Upper

50 100

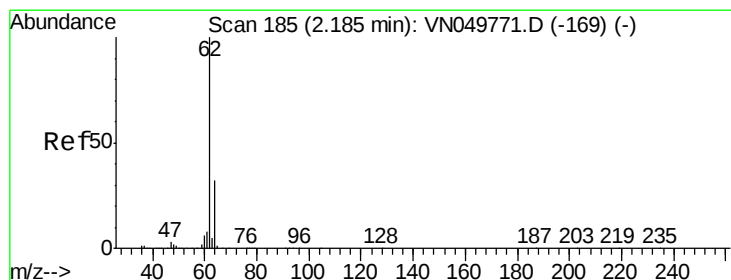
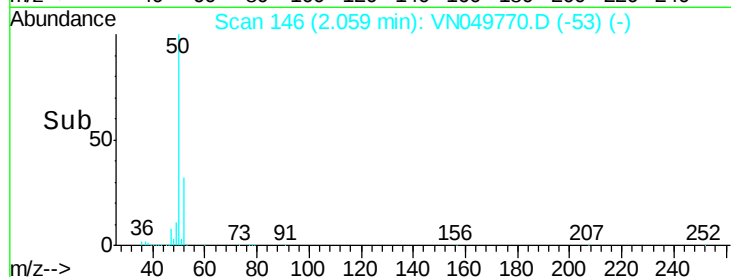
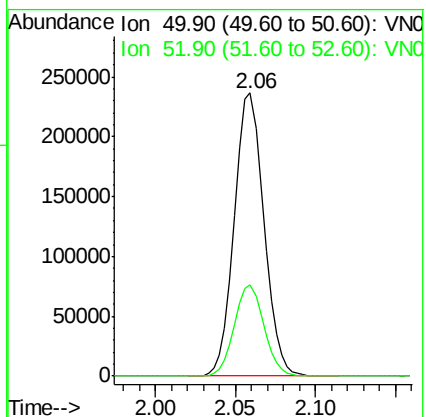
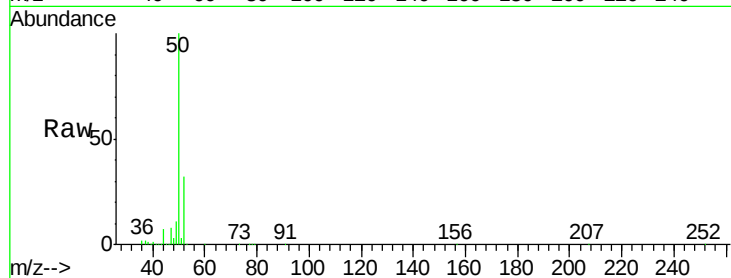
52 32.1 26.1 39.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.04 ug/l

RT: 2.18 min Scan# 185

Delta R.T. -0.00 min

Lab File: VN049770.D

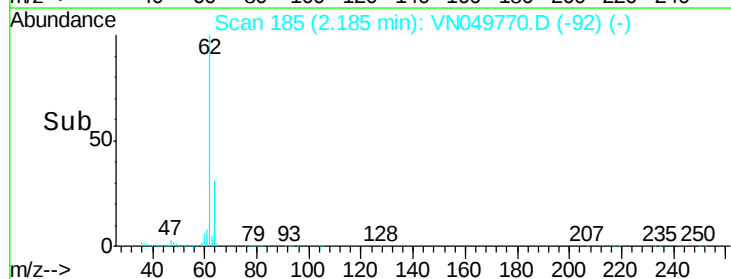
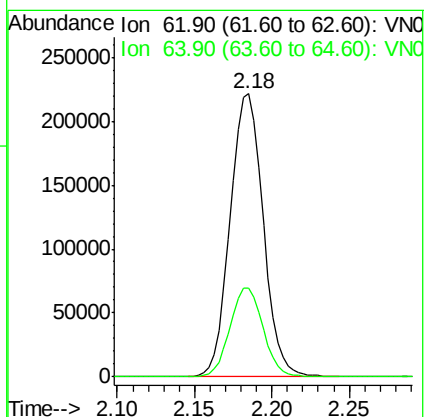
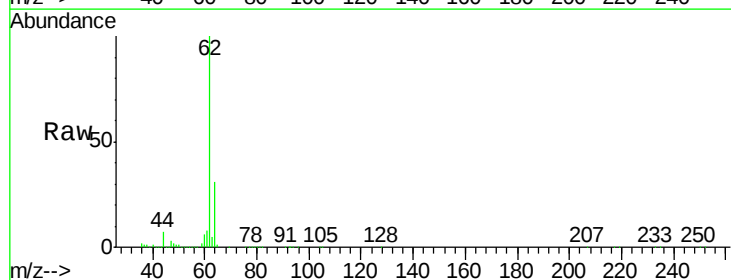
Acq: 12 Jul 2018 11:39

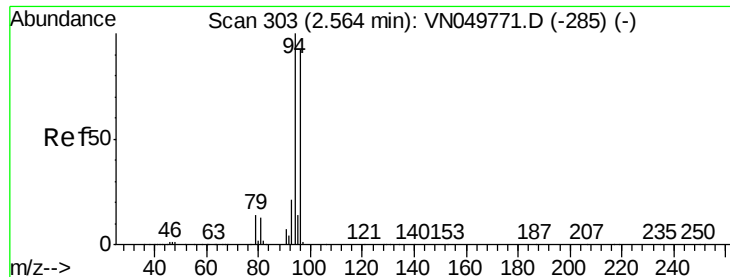
Tgt Ion: 62 Resp: 328516

Ion Ratio Lower Upper

62 100

64 31.4 25.4 38.0





#5

Bromomethane

Concen: 21.56 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.00 min

Lab File: VN049770.D

Acq: 12 Jul 2018 11:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 206149

Ion Ratio Lower Upper

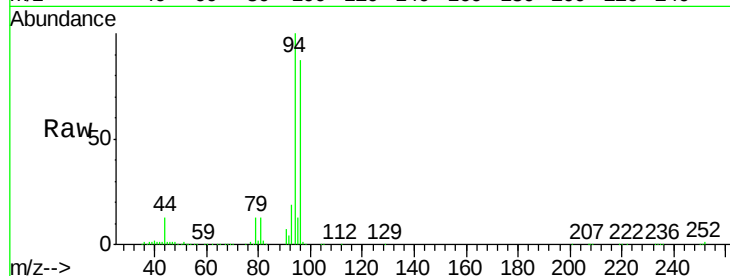
94 100

96 87.0 75.7 113.5

Manual Integrations
APPROVED

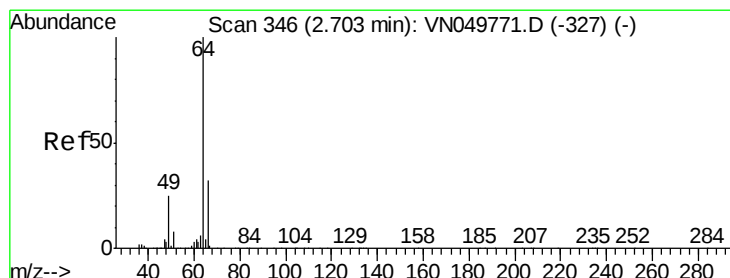
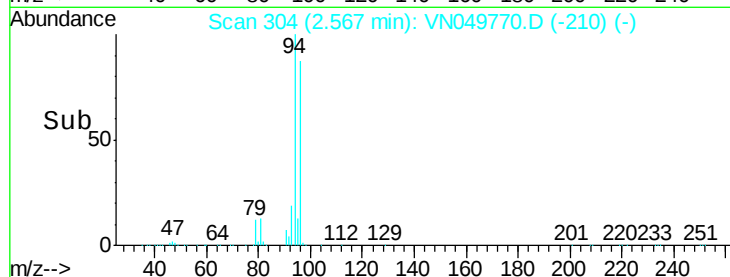
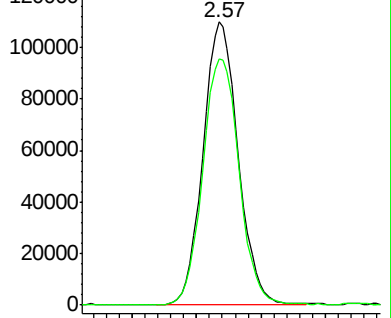
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 18.65 ug/l

RT: 2.70 min Scan# 346

Delta R.T. -0.00 min

Lab File: VN049770.D

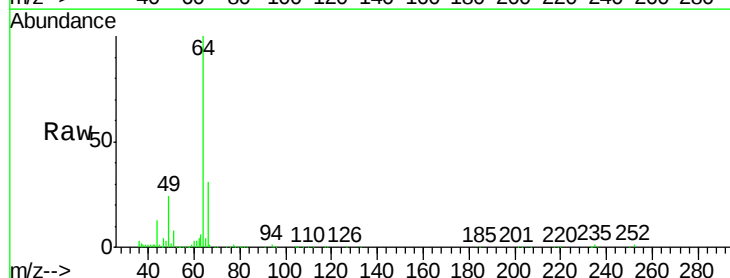
Acq: 12 Jul 2018 11:39

Tgt Ion: 64 Resp: 214878

Ion Ratio Lower Upper

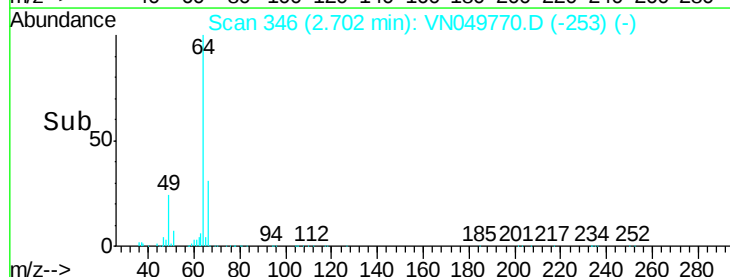
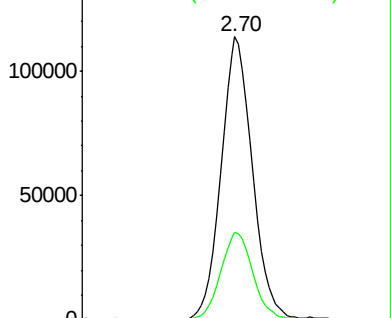
64 100

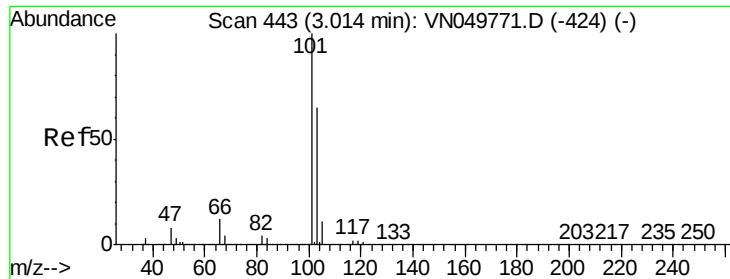
66 30.6 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

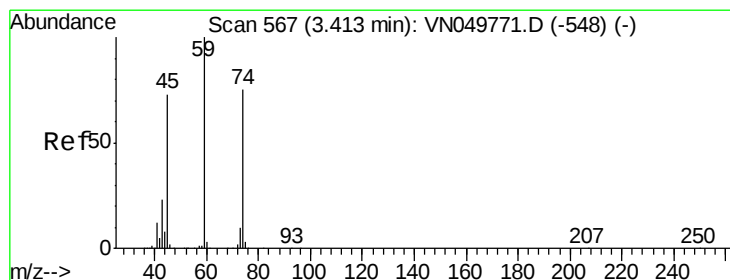
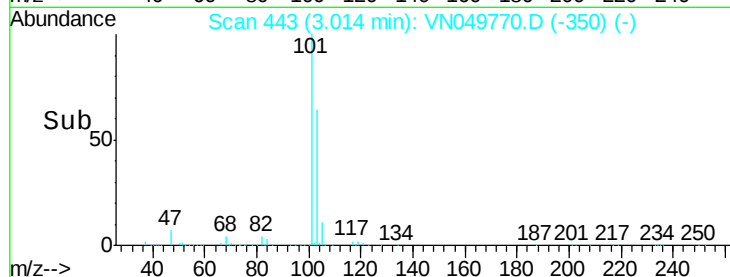
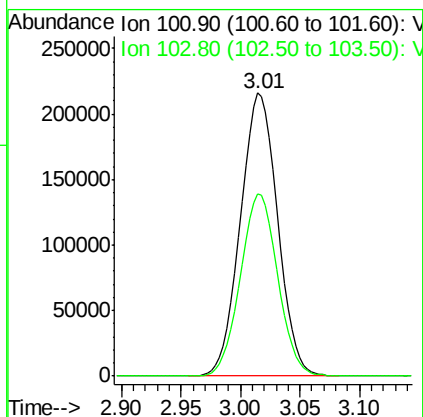
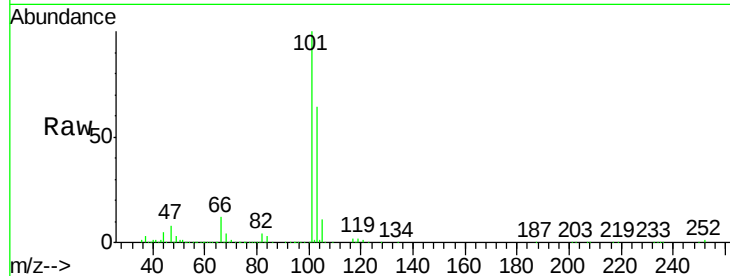
Trichlorofluoromethane
Concen: 22.52 ug/l
RT: 3.01 min Scan# 443
Delta R.T. -0.00 min
Lab File: VN049770.D
Acq: 12 Jul 2018 11:39

Instrument :
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ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.3	52.8	79.2

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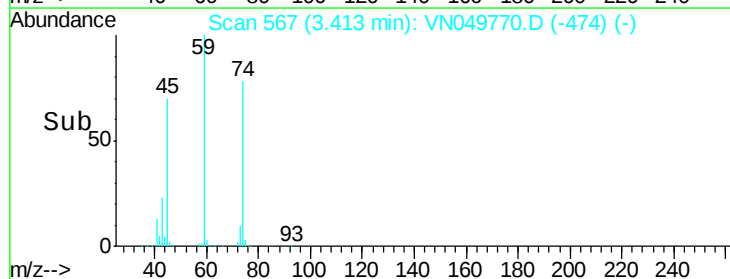
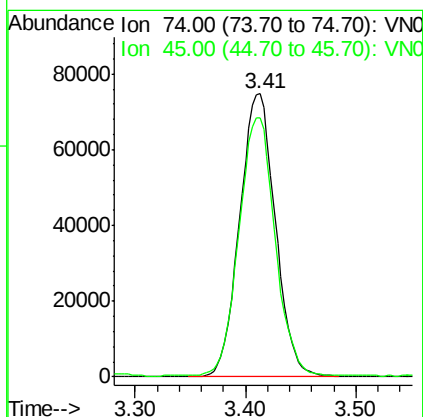
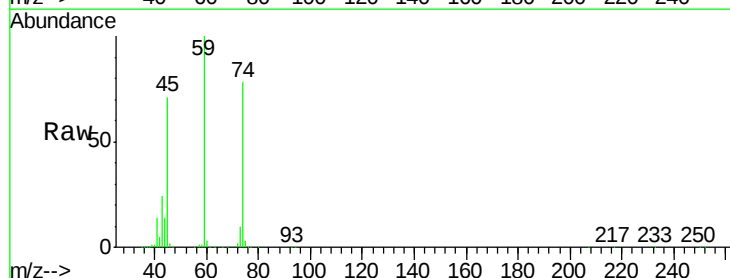
MMDadoda
7/13/2018 1:35:09 PM

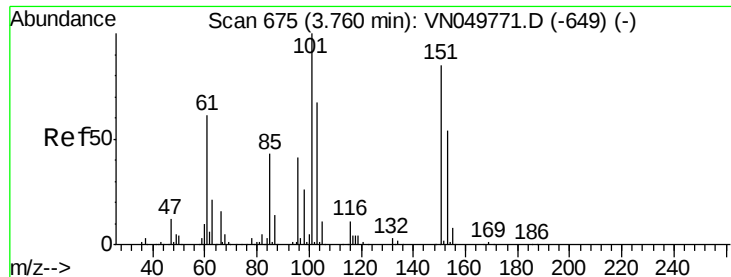


#8

Diethyl Ether
Concen: 19.94 ug/l
RT: 3.41 min Scan# 567
Delta R.T. -0.00 min
Lab File: VN049770.D
Acq: 12 Jul 2018 11:39

Tgt Ion	Ratio	Lower	Upper
74	100		
45	92.0	48.4	145.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.68 ug/l

RT: 3.75 min Scan# 673

Delta R.T. -0.01 min

Lab File: VN049770.D

Acq: 12 Jul 2018 11:39

Instrument :

MSVOA_N

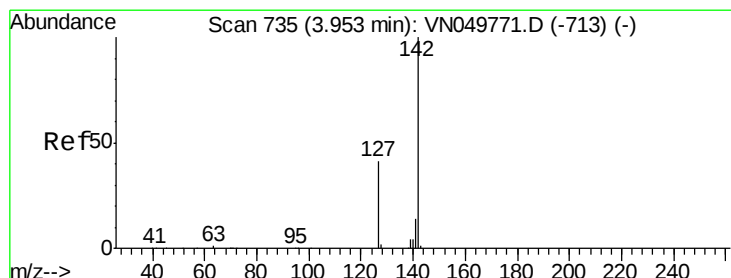
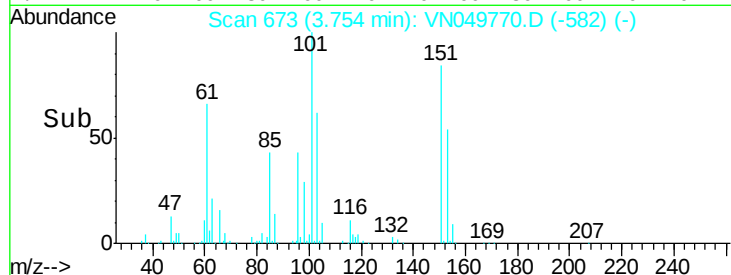
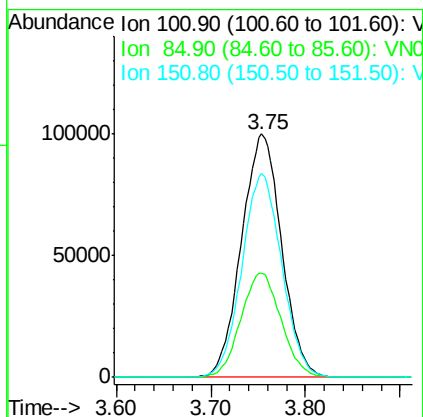
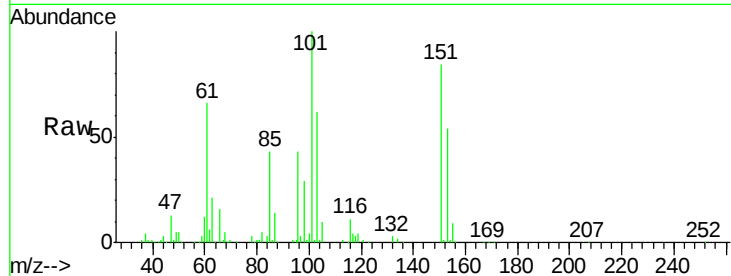
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	294499
Ion Ratio	Lower	Upper	
101	100		
85	43.2	34.4	51.6
151	83.3	66.2	99.4

Manual Integrations
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#10

Methyl Iodide

Concen: 20.13 ug/l

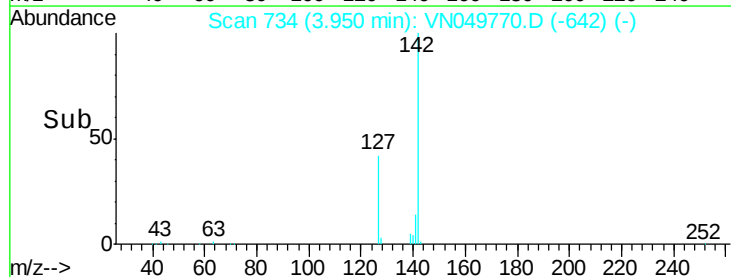
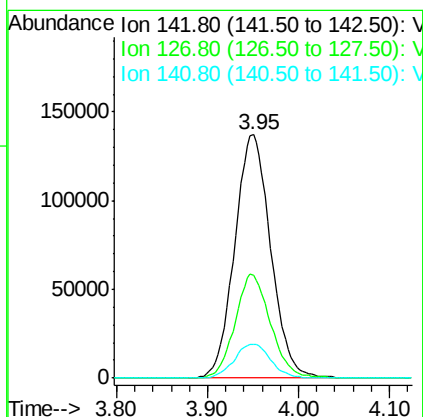
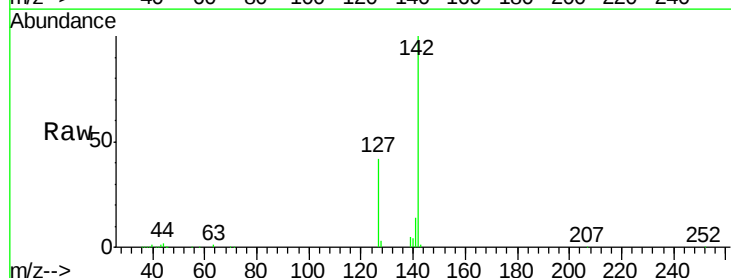
RT: 3.95 min Scan# 734

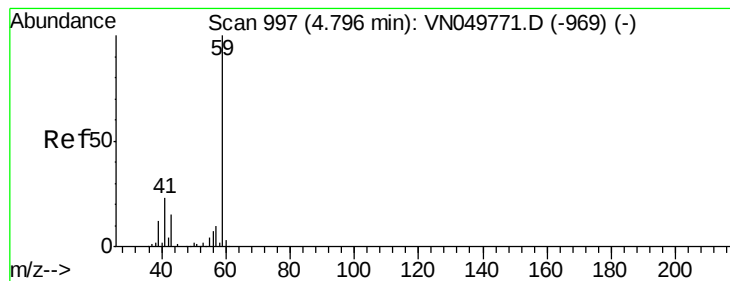
Delta R.T. -0.00 min

Lab File: VN049770.D

Acq: 12 Jul 2018 11:39

Tgt Ion:	142	Resp:	376908
Ion Ratio	Lower	Upper	
142	100		
127	41.7	32.5	48.7
141	14.1	11.1	16.7





#11

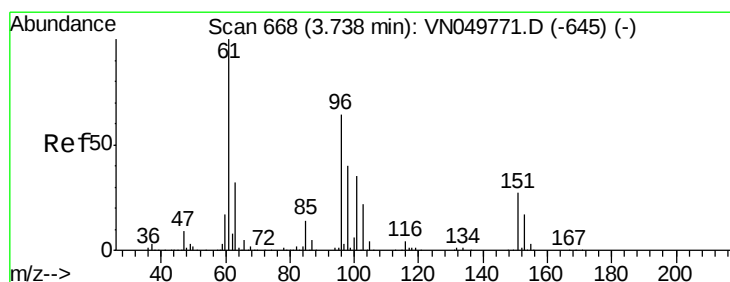
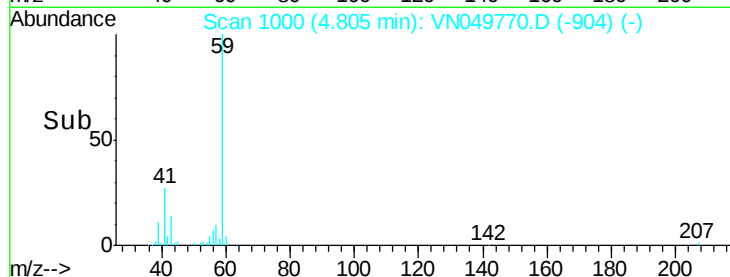
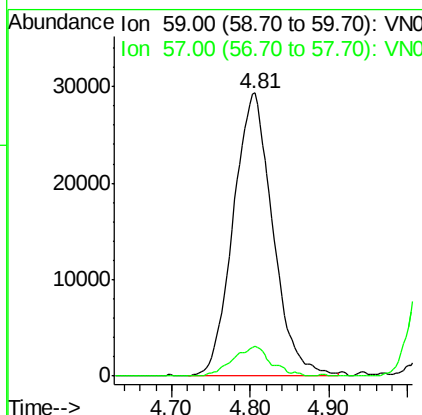
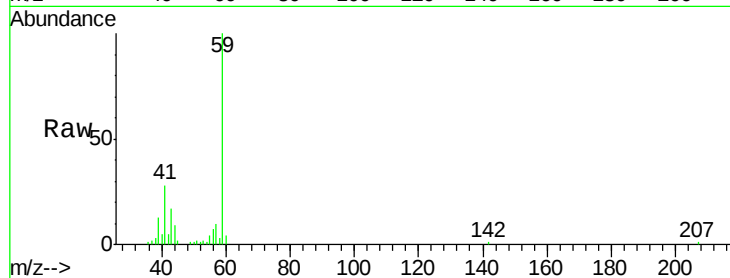
Tert butyl alcohol
Concen: 113.21 ug/l
RT: 4.81 min Scan# 1000
Delta R.T. 0.01 min
Lab File: VN049770.D
Acq: 12 Jul 2018 11:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.8	8.5	12.7

Manual Integrations
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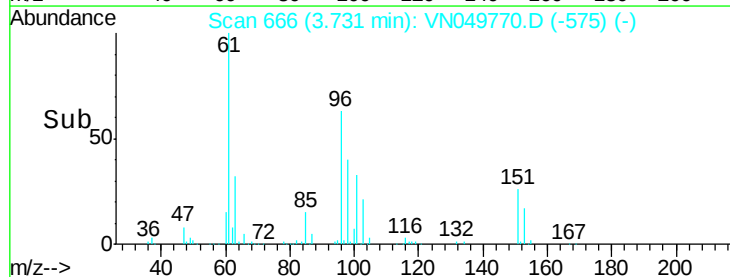
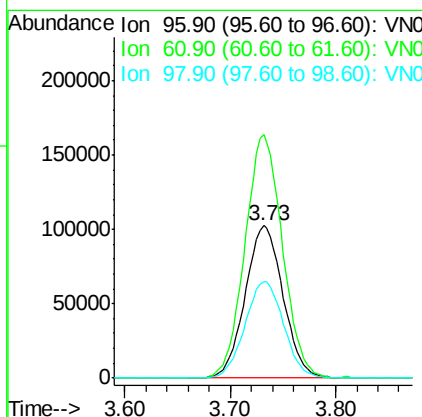
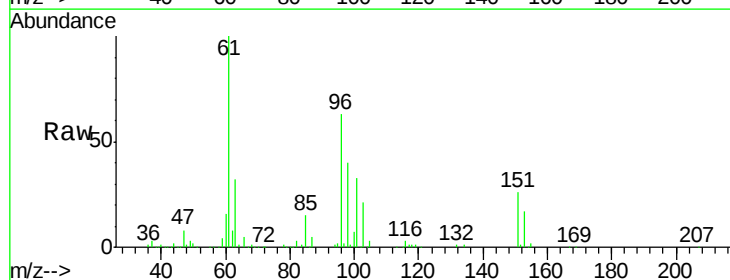
MMDadoda
7/13/2018 1:35:09 PM

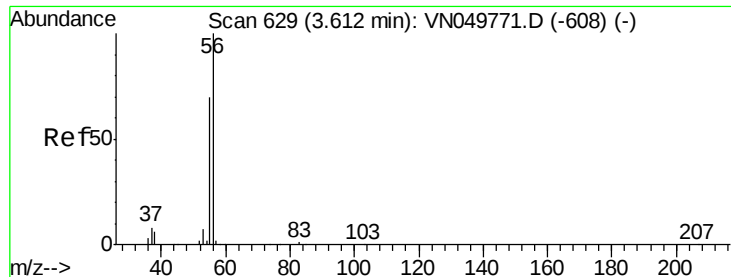


#12

1,1-Dichloroethene
Concen: 18.14 ug/l
RT: 3.73 min Scan# 666
Delta R.T. -0.01 min
Lab File: VN049770.D
Acq: 12 Jul 2018 11:39

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.8	126.5	189.7
98	63.4	51.0	76.6





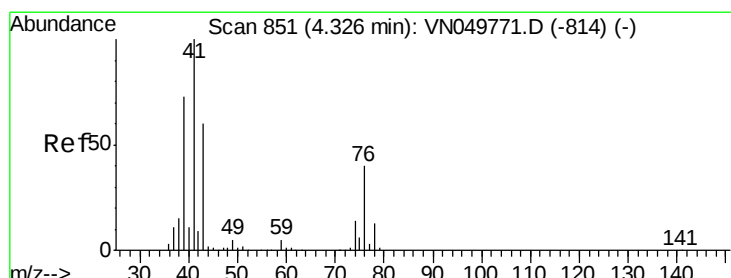
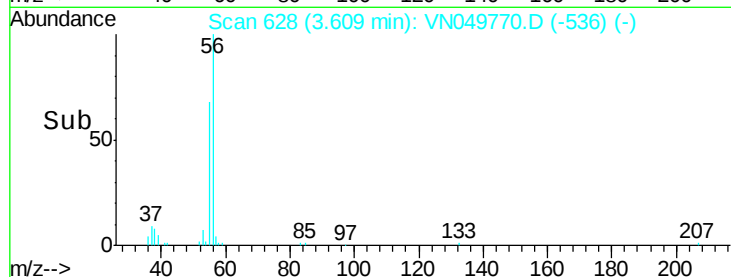
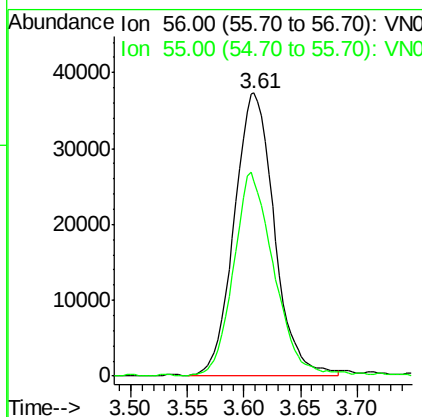
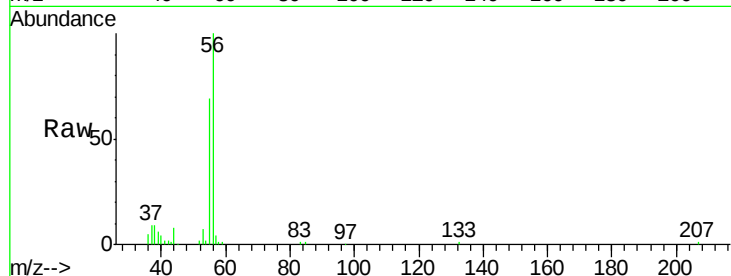
#13
Acrolein
Concen: 108.54 ug/l
RT: 3.61 min Scan# 628
Delta R.T. -0.00 min
Lab File: VN049770.D
Acq: 12 Jul 2018 11:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ion	Ratio	Lower	Upper
56	56	100		
55	55	71.8	55.8	83.8

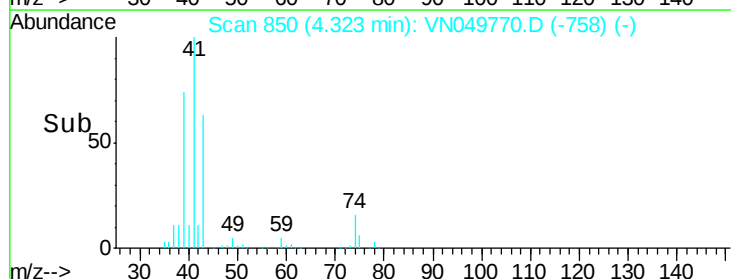
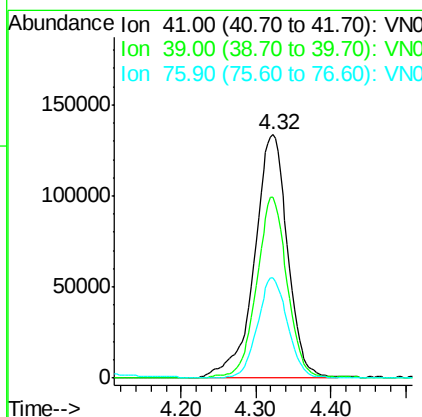
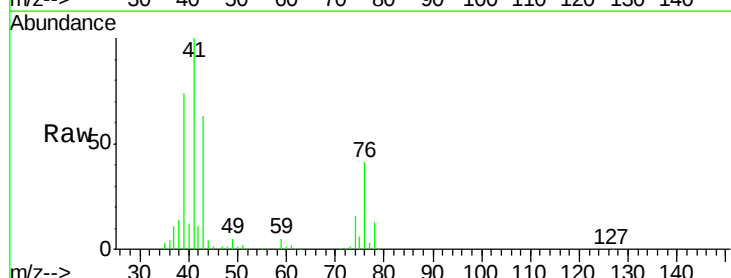
Manual Integrations
APPROVED

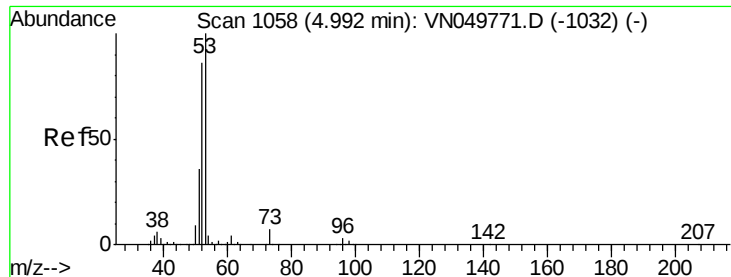
MMDadoda
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#14
Allyl chloride
Concen: 21.18 ug/l
RT: 4.32 min Scan# 850
Delta R.T. -0.00 min
Lab File: VN049770.D
Acq: 12 Jul 2018 11:39

Tgt Ion	Ion	Ratio	Lower	Upper
41	41	100		
39	39	68.6	53.2	79.8
76	76	36.8	29.0	43.6





#15

Acrylonitrile

Concen: 104.69 ug/l

RT: 4.99 min Scan# 1059

Delta R.T. 0.00 min

Lab File: VN049770.D

Acq: 12 Jul 2018 11:39

Instrument :

MSVOA_N

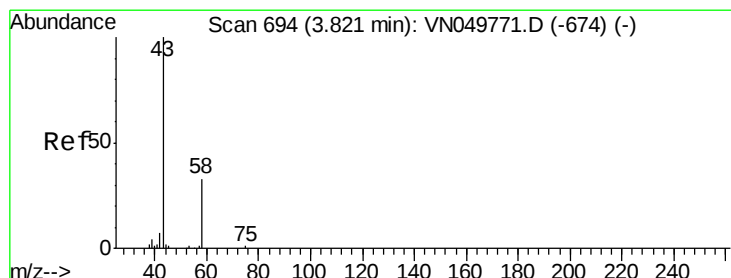
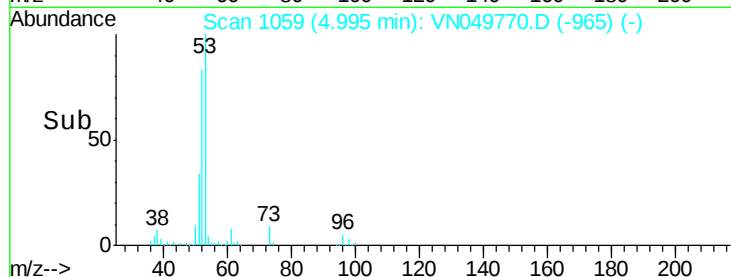
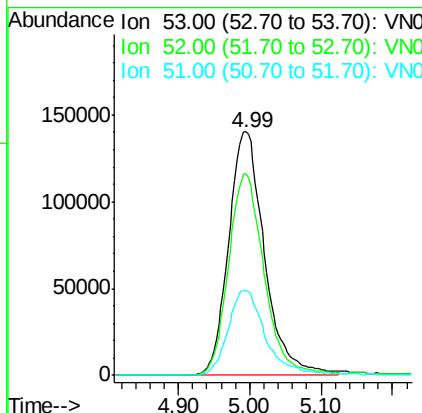
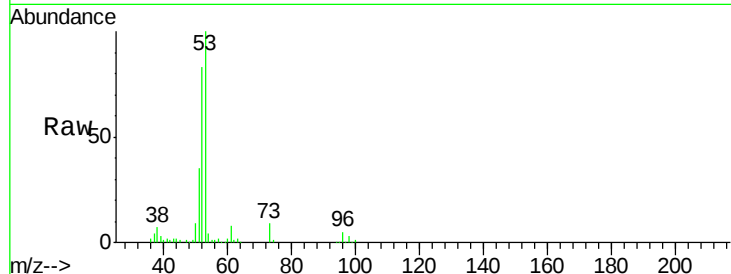
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	493436
Ion Ratio	Lower	Upper	
53	100		
52	81.8	64.8	97.2
51	36.2	28.9	43.3

Manual Integrations
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#16

Acetone

Concen: 97.54 ug/l

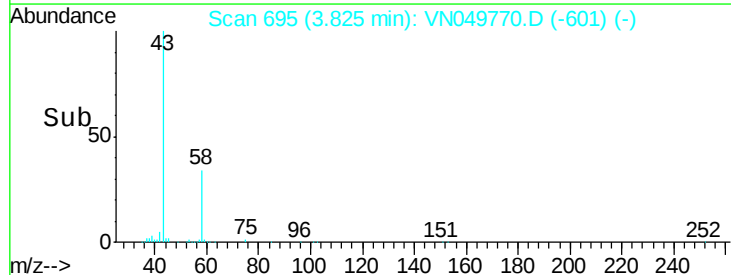
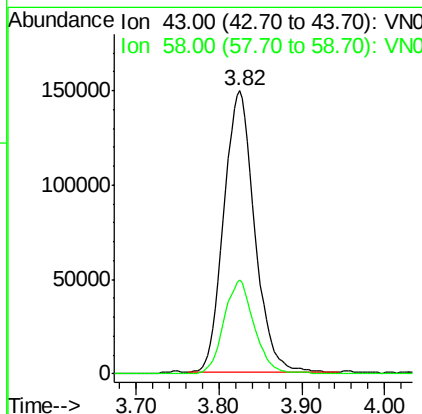
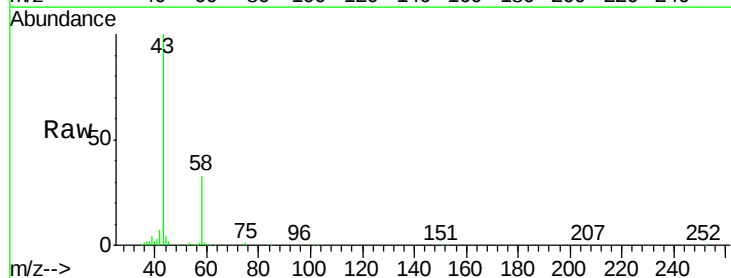
RT: 3.82 min Scan# 695

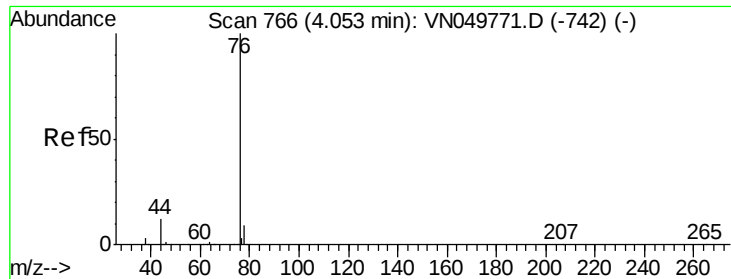
Delta R.T. 0.00 min

Lab File: VN049770.D

Acq: 12 Jul 2018 11:39

Tgt Ion:	43	Resp:	384193
Ion Ratio	Lower	Upper	
43	100		
58	33.3	25.9	38.9





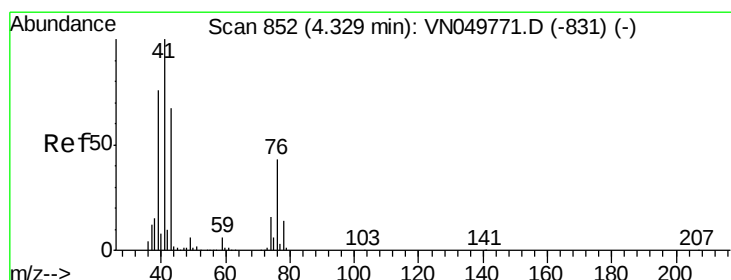
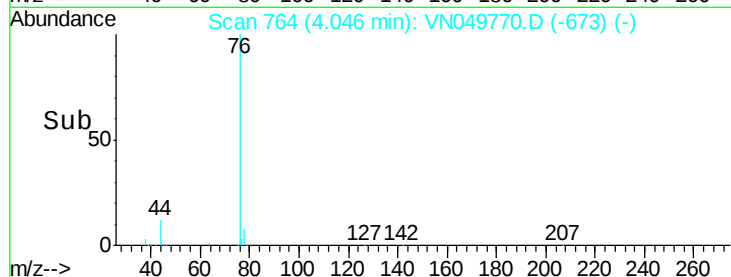
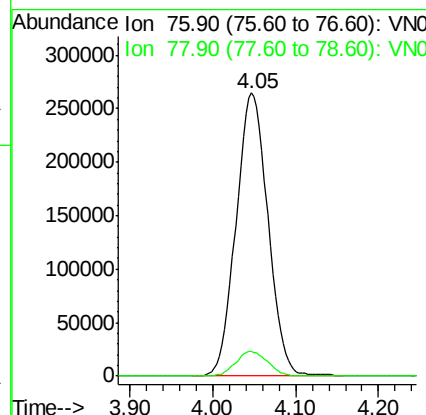
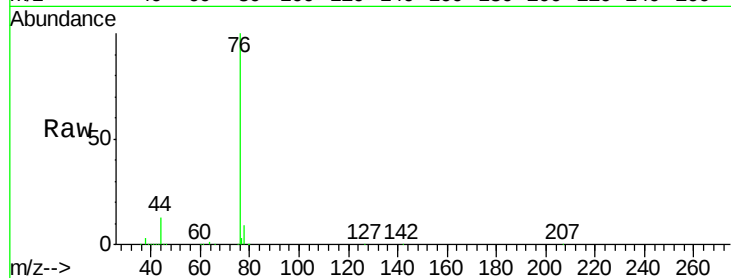
#17
Carbon Disulfide
Concen: 16.54 ug/l
RT: 4.05 min Scan# 764
Delta R.T. -0.01 min
Lab File: VN049770.D
Acq: 12 Jul 2018 11:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.1	10.7

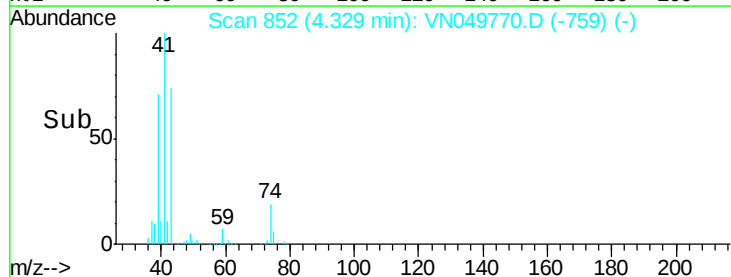
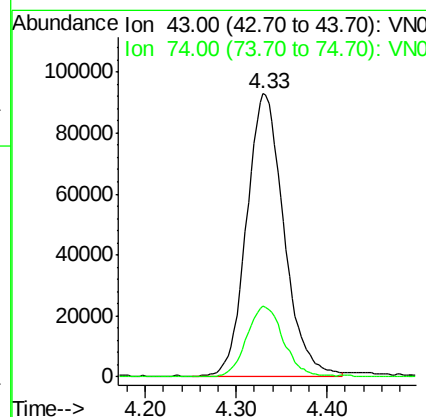
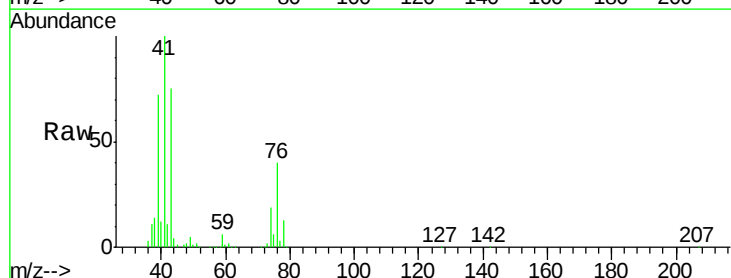
Manual Integrations
APPROVED

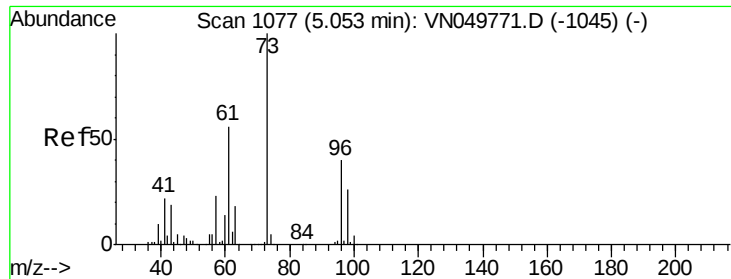
MMDadoda
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#18
Methyl Acetate
Concen: 10.96 ug/l
RT: 4.33 min Scan# 852
Delta R.T. -0.00 min
Lab File: VN049770.D
Acq: 12 Jul 2018 11:39

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.9	19.8	29.8





#19

Methyl tert-butyl Ether

Concen: 20.48 ug/l

RT: 5.05 min Scan# 1076

Delta R.T. -0.00 min

Lab File: VN049770.D

Acq: 12 Jul 2018 11:39

Tot Ion: 73 Resp: 746638

Ion Ratio Lower Upper

73 100

57 23.2 18.1 27.1

Instrument :

MSVOA_N

ClientSampleId :

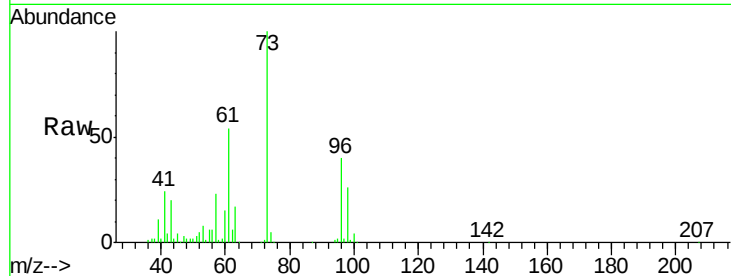
VSTDIC020

Manual Integrations

APPROVED

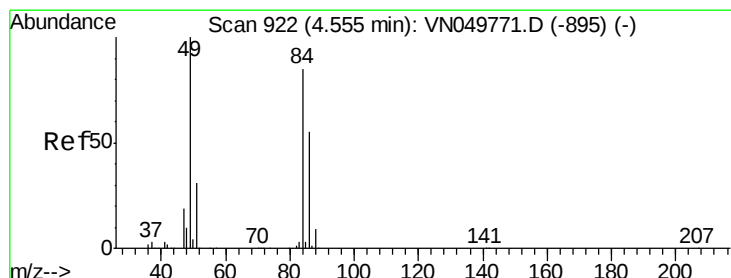
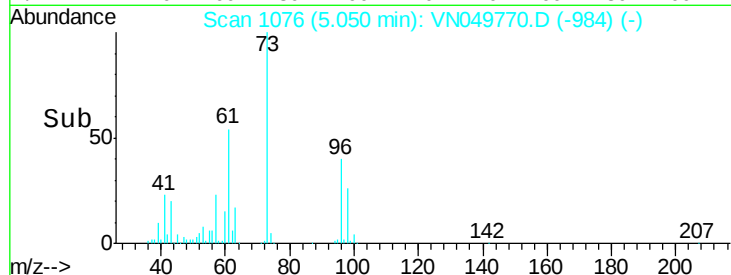
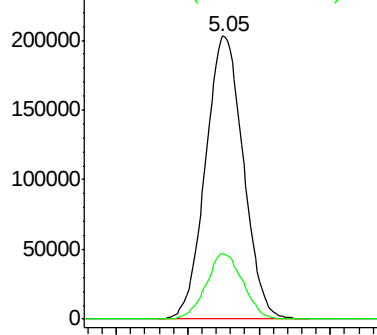
MMDadoda

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Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 57.00 (56.70 to 57.70): VN0



#20

Methylene Chloride

Concen: 18.89 ug/l

RT: 4.55 min Scan# 921

Delta R.T. -0.00 min

Lab File: VN049770.D

Acq: 12 Jul 2018 11:39

Tgt Ion: 84 Resp: 309362

Ion Ratio Lower Upper

84 100

49 117.2 95.4 143.2

51 36.1 28.4 42.6

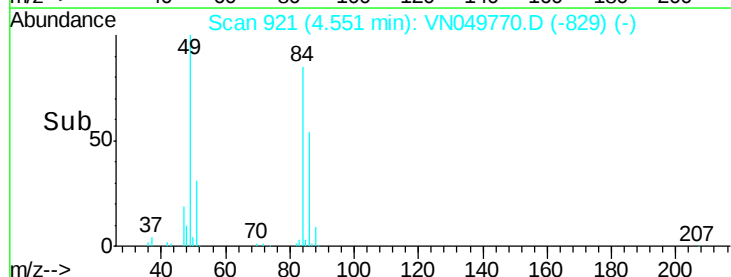
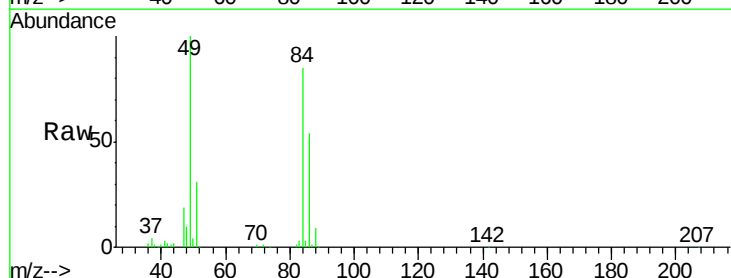
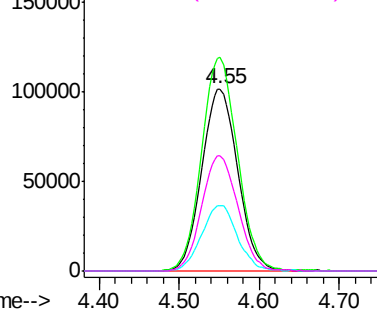
86 63.4 52.6 79.0

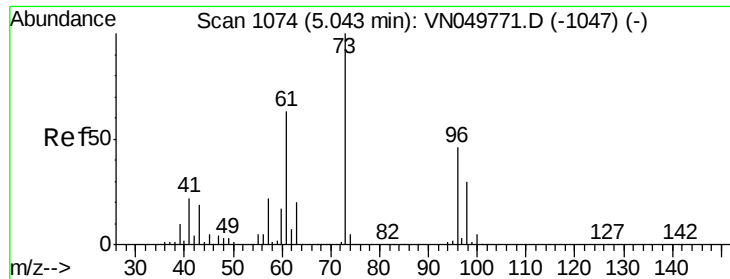
Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0





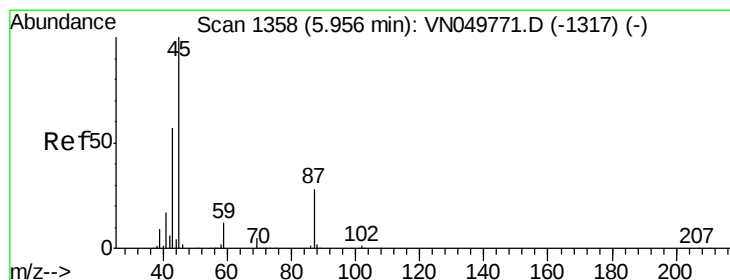
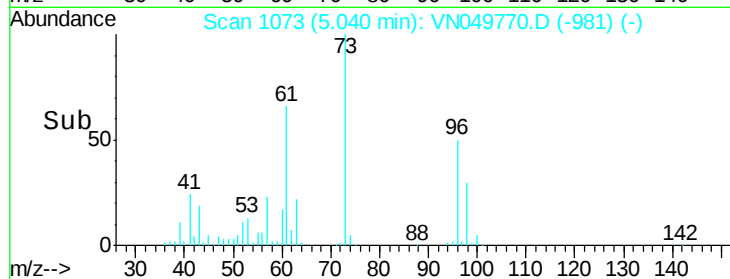
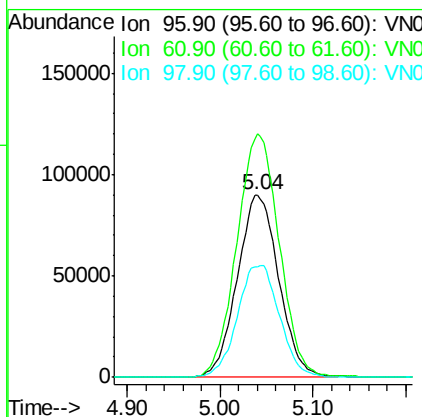
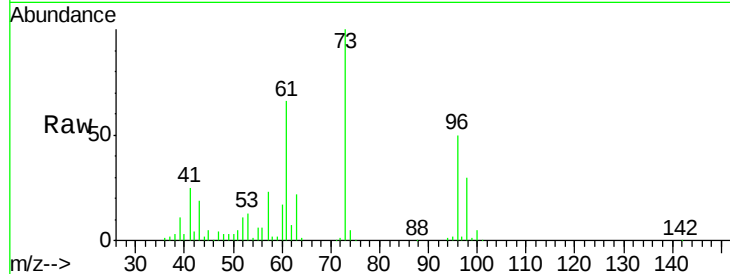
#21
trans-1,2-Dichloroethene
Concen: 19.17 ug/l
RT: 5.04 min Scan# 1073
Delta R.T. -0.00 min
Lab File: VN049770.D
Acq: 12 Jul 2018 11:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	133.3	109.0	163.6
98	60.5	51.1	76.7

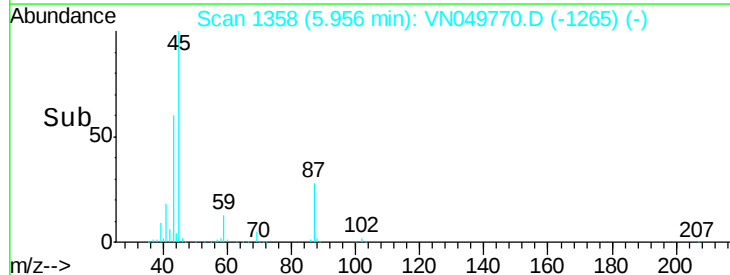
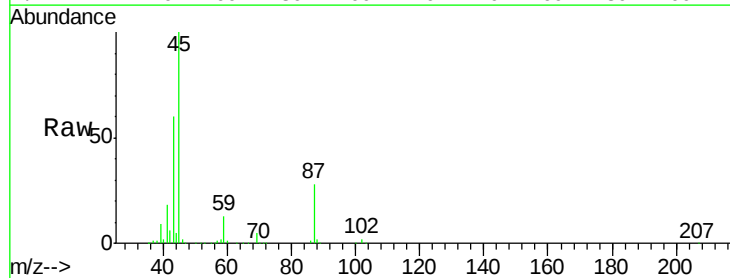
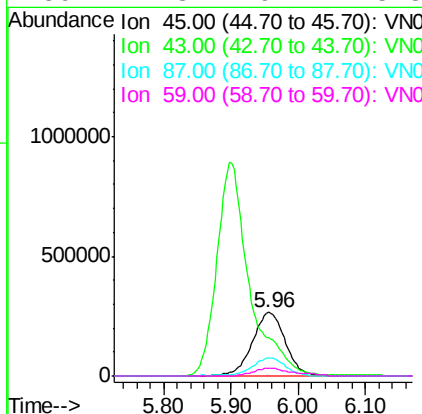
Manual Integrations
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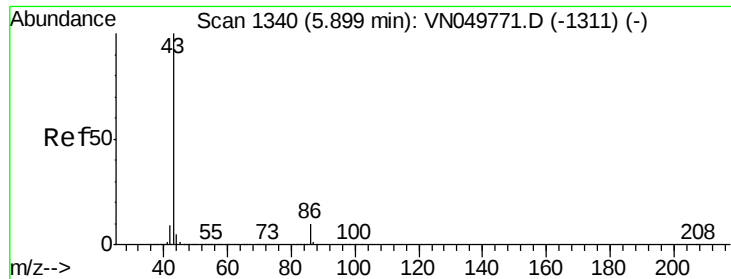
MMDadoda
7/13/2018 1:35:09 PM



#22
Diisopropyl ether
Concen: 20.57 ug/l
RT: 5.96 min Scan# 1358
Delta R.T. -0.00 min
Lab File: VN049770.D
Acq: 12 Jul 2018 11:39

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.7	48.1	72.1
87	27.7	22.6	34.0
59	12.3	9.2	13.8





#23

Vinyl Acetate

Concen: 105.93 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VN049770.D

Acq: 12 Jul 2018 11:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 3019665

Ion Ratio Lower Upper

43 100

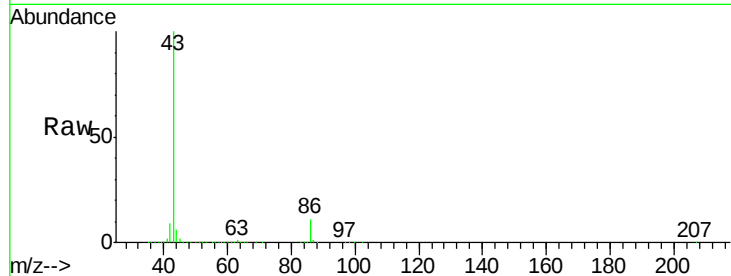
86 10.6 8.4 12.6

Manual Integrations

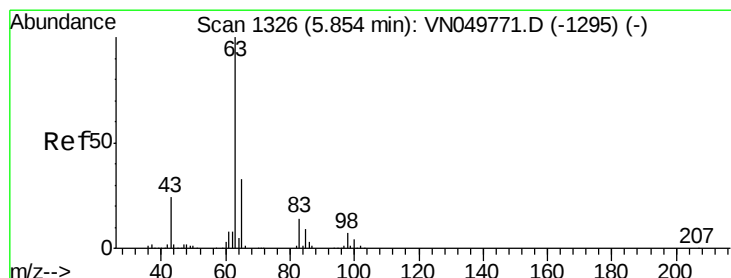
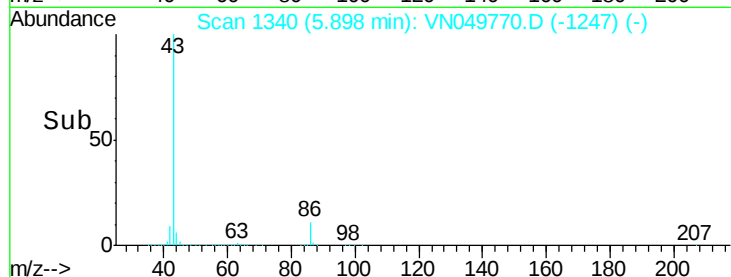
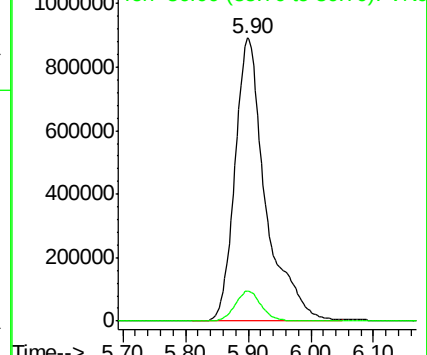
APPROVED

MMDadoda

7/13/2018 1:35:09 PM



Abundance Ion 43.00 (42.70 to 43.70): VN049770.D (-1247) (-)



#24

1,1-Dichloroethane

Concen: 19.61 ug/l

RT: 5.85 min Scan# 1324

Delta R.T. -0.01 min

Lab File: VN049770.D

Acq: 12 Jul 2018 11:39

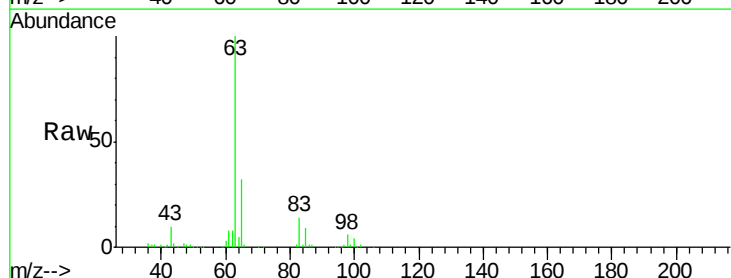
Tgt Ion: 63 Resp: 543087

Ion Ratio Lower Upper

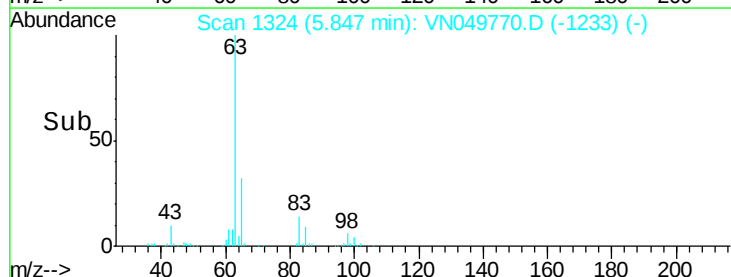
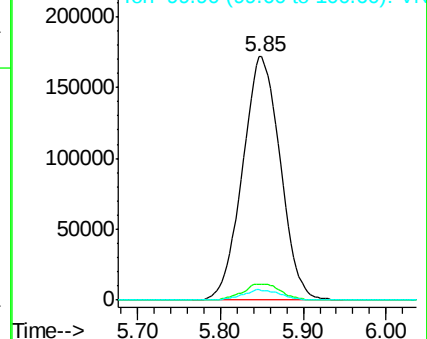
63 100

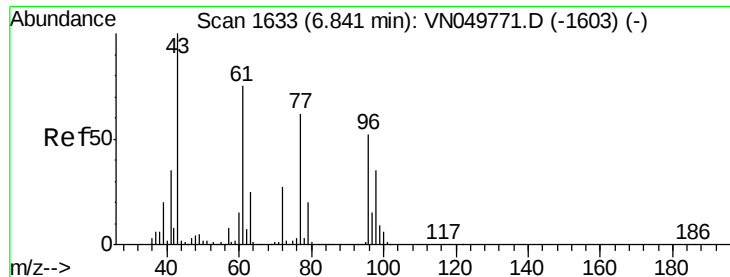
98 6.5 3.4 10.2

100 4.3 2.2 6.6



Abundance Ion 62.90 (62.60 to 63.60): VN049770.D (-1233) (-)





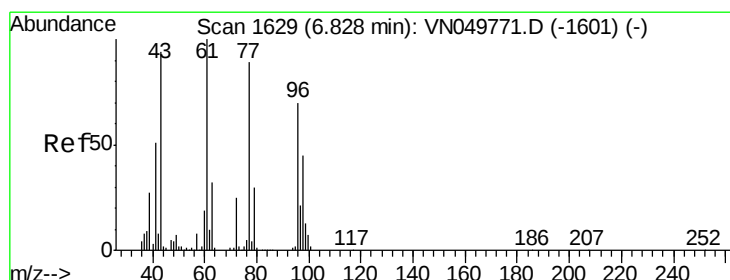
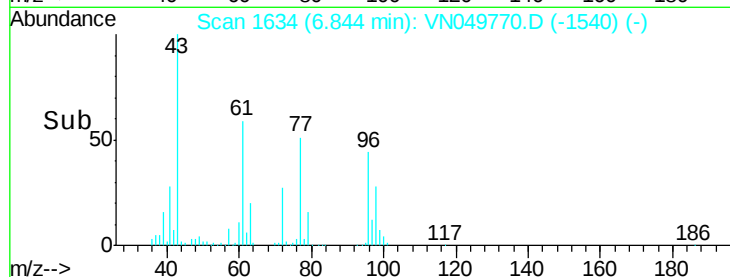
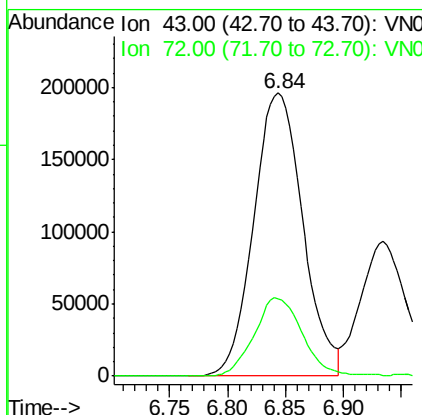
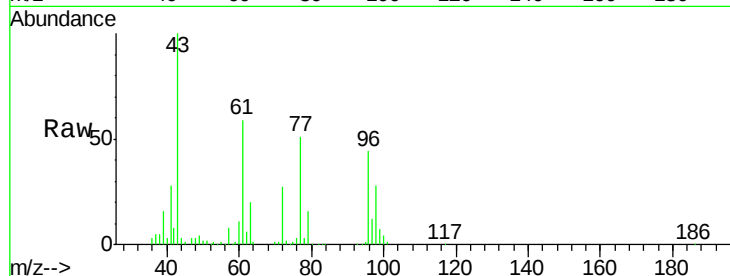
#25
2-Butanone
Concen: 109.00 ug/l
RT: 6.84 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VN049770.D
Acq: 12 Jul 2018 11:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 575485
Ion Ratio Lower Upper
43 100
72 27.4 22.1 33.1

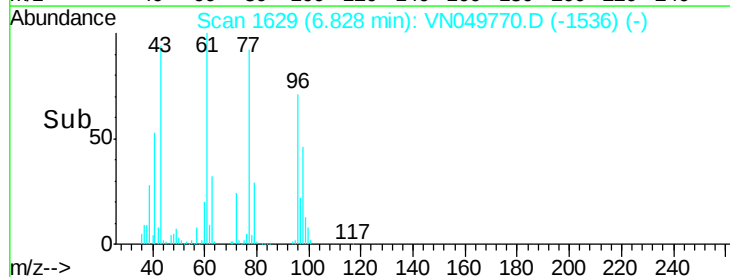
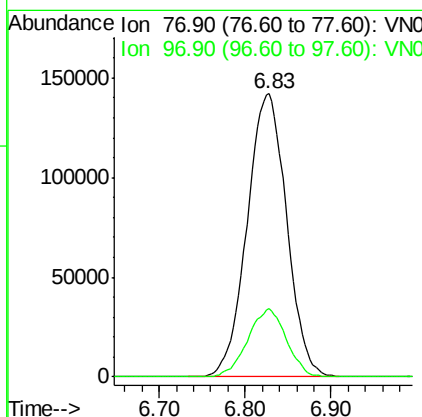
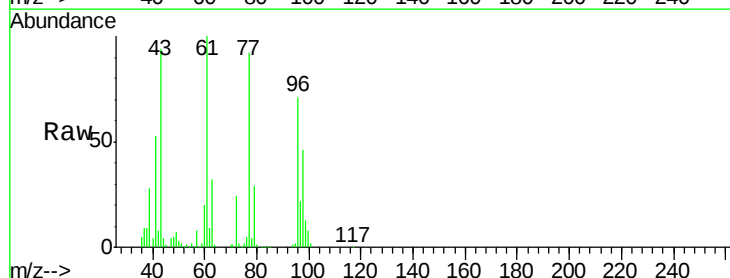
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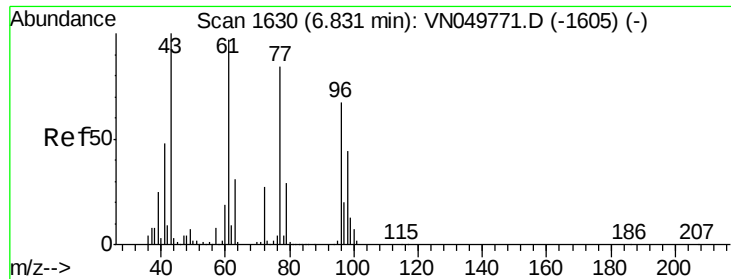
MMDadoda
7/13/2018 1:35:09 PM



#26
2,2-Dichloropropane
Concen: 19.76 ug/l
RT: 6.83 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VN049770.D
Acq: 12 Jul 2018 11:39

Tgt Ion: 77 Resp: 454466
Ion Ratio Lower Upper
77 100
97 23.5 11.9 35.5





#27

cis-1,2-Dichloroethene

Concen: 19.68 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VN049770.D

Acq: 12 Jul 2018 11:39

Instrument :

MSVOA_N

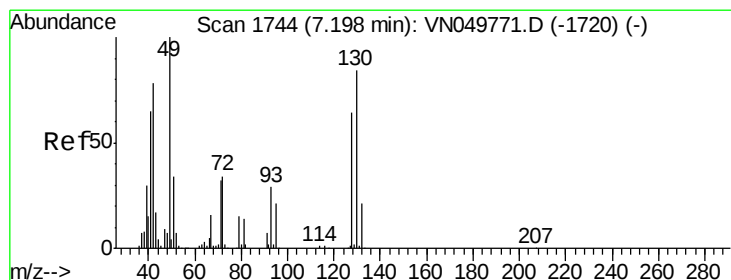
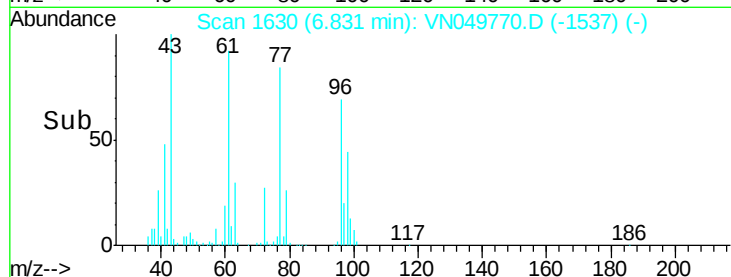
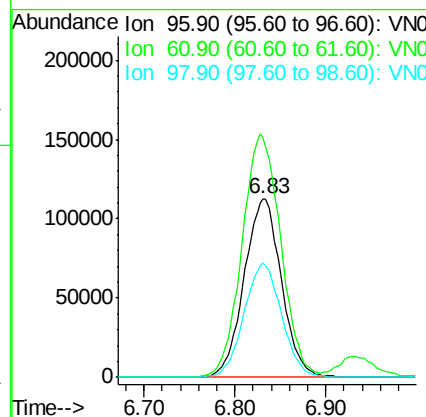
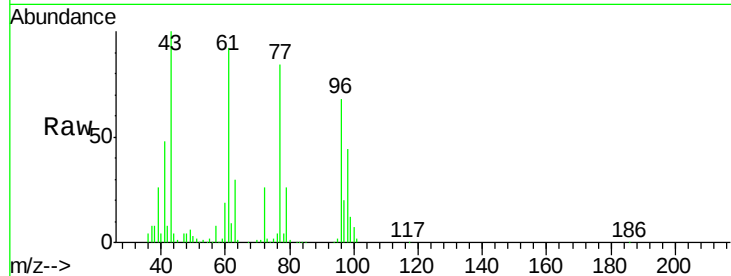
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	320047
Ion Ratio	Lower	Upper	
96	100		
61	141.1	0.0	289.0
98	64.4	0.0	130.2

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7/13/2018 1:35:09 PM



#28

Bromochloromethane

Concen: 22.18 ug/l

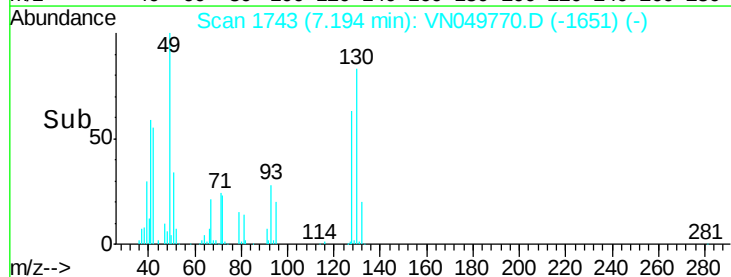
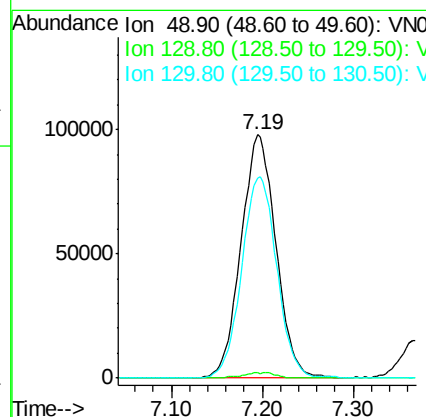
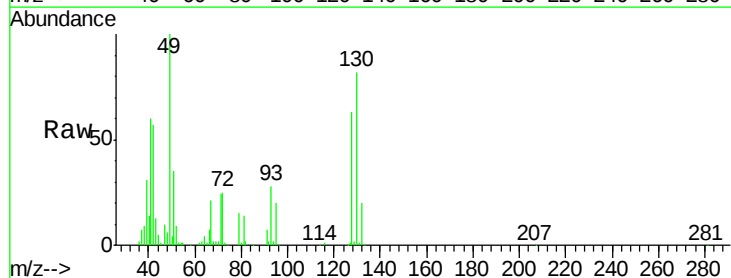
RT: 7.19 min Scan# 1743

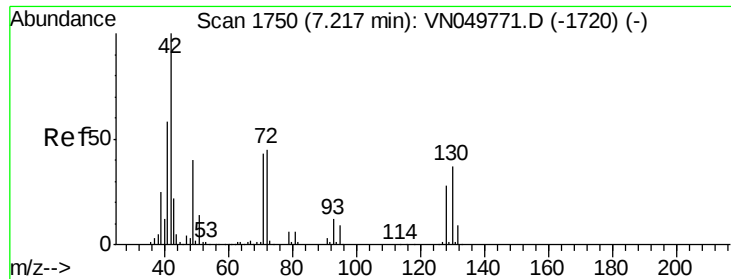
Delta R.T. -0.00 min

Lab File: VN049770.D

Acq: 12 Jul 2018 11:39

Tgt Ion:	49	Resp:	260720
Ion Ratio	Lower	Upper	
49	100		
129	2.1	0.0	4.2
130	83.0	65.5	98.3





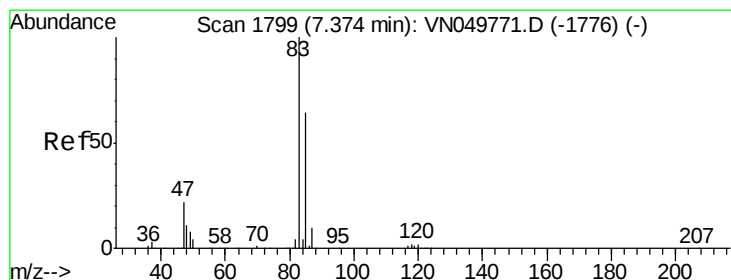
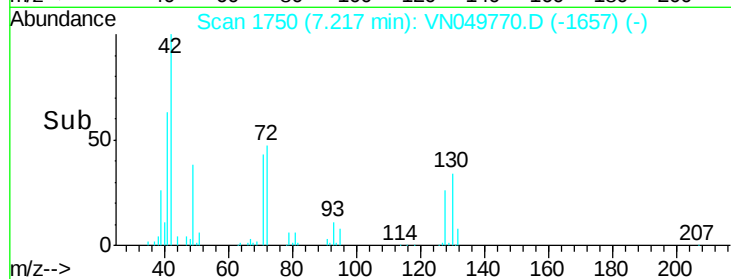
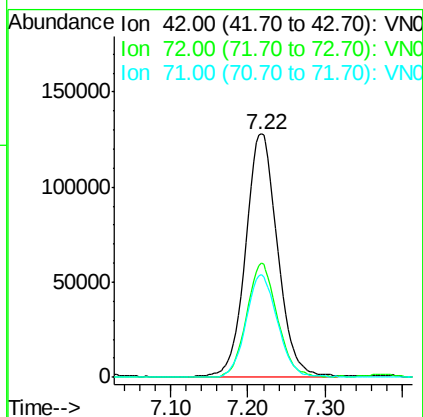
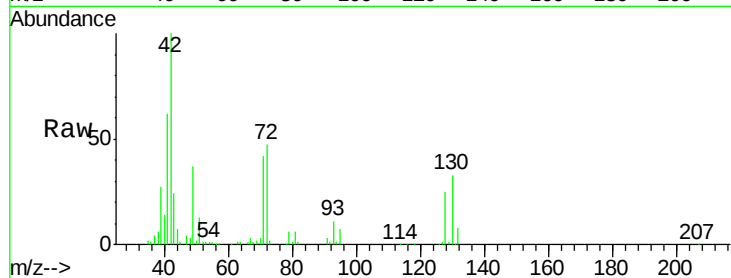
#29
Tetrahydrofuran
Concen: 109.62 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. -0.00 min
Lab File: VN049770.D
Acq: 12 Jul 2018 11:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.2	35.6	53.4
71	41.4	34.0	51.0

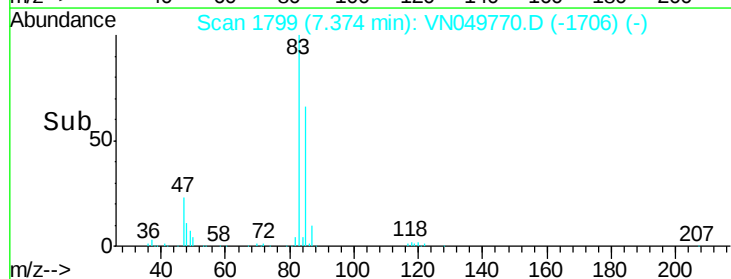
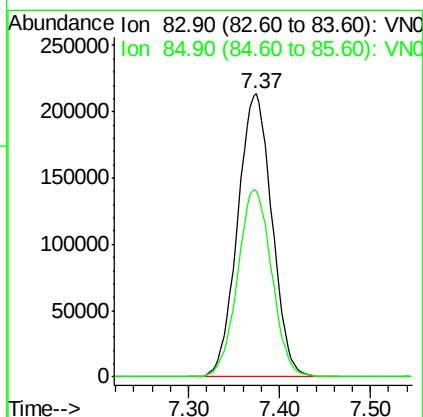
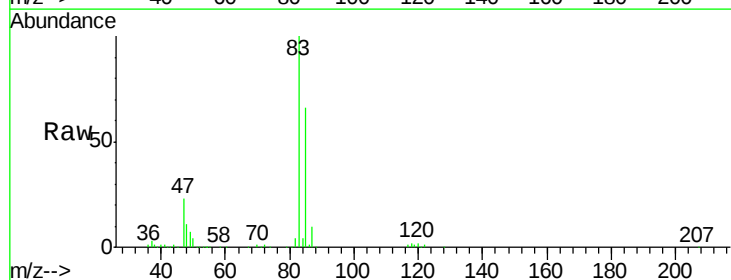
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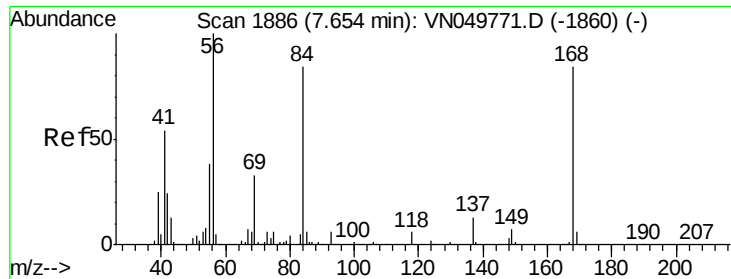
MMDadoda
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#30
Chloroform
Concen: 19.82 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. -0.00 min
Lab File: VN049770.D
Acq: 12 Jul 2018 11:39

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	51.4	77.2





#31

Cyclohexane

Concen: 16.44 ug/l

RT: 7.65 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VN049770.D

Acq: 12 Jul 2018 11:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 448338

Ion Ratio Lower Upper

56 100

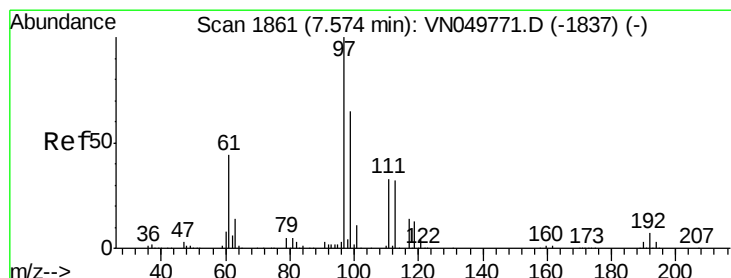
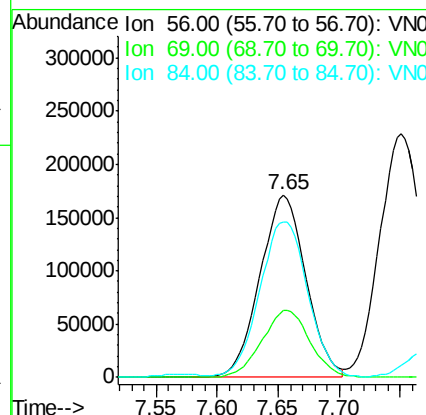
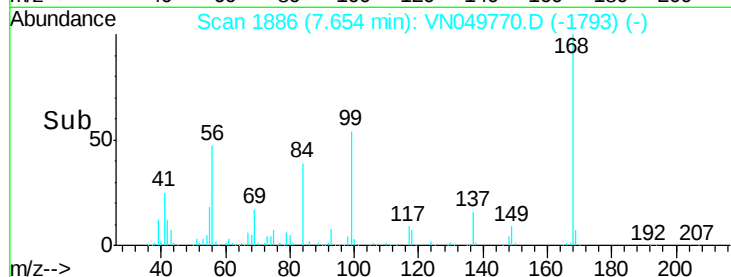
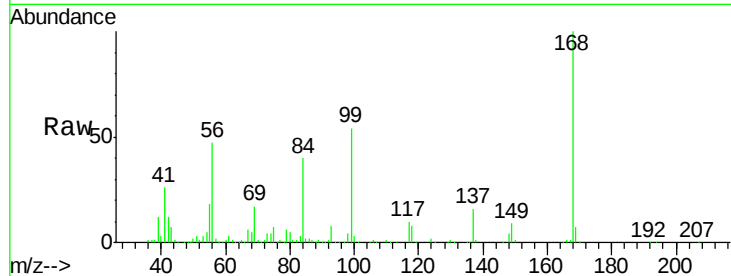
69 36.4 26.6 40.0

84 84.1 69.0 103.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.87 ug/l

RT: 7.57 min Scan# 1860

Delta R.T. -0.00 min

Lab File: VN049770.D

Acq: 12 Jul 2018 11:39

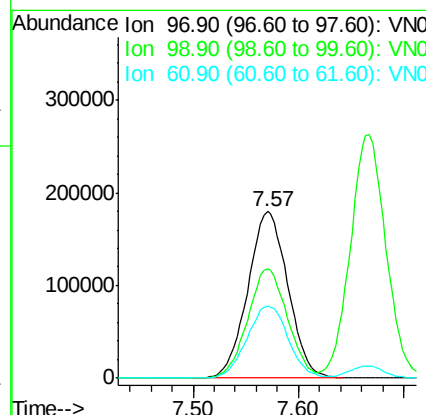
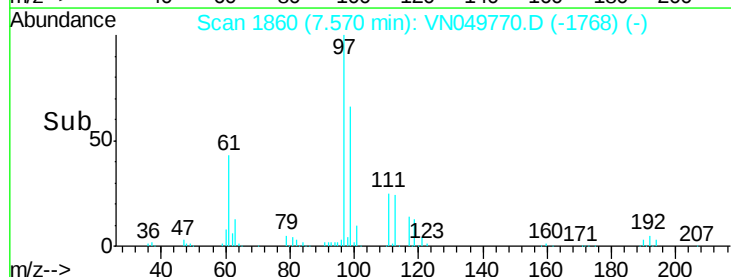
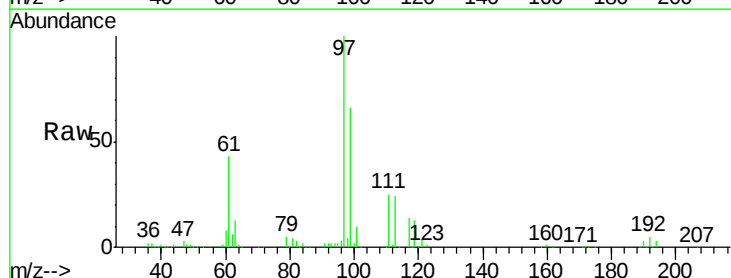
Tgt Ion: 97 Resp: 474828

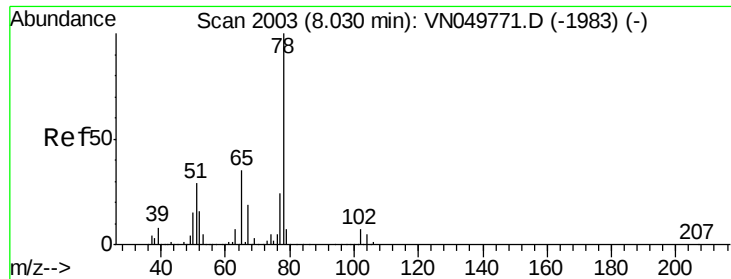
Ion Ratio Lower Upper

97 100

99 65.4 51.0 76.4

61 44.6 35.5 53.3





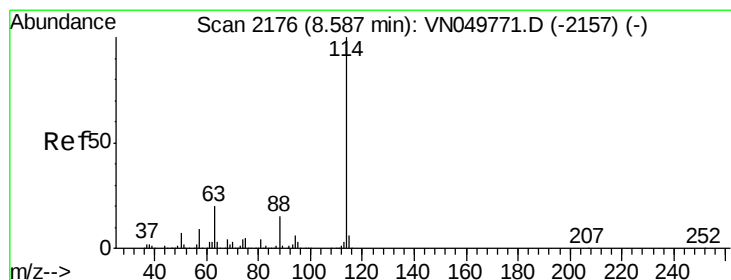
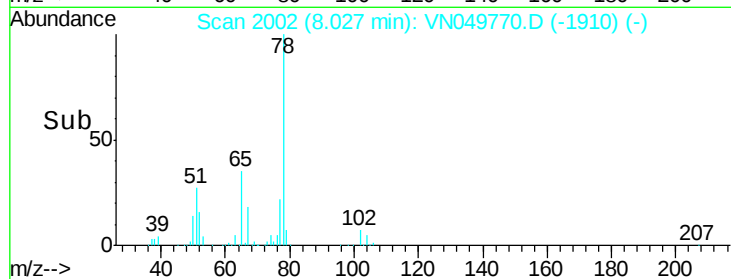
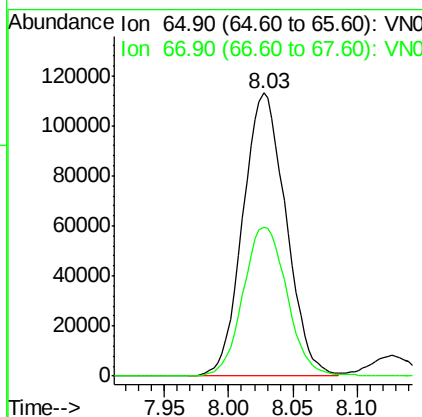
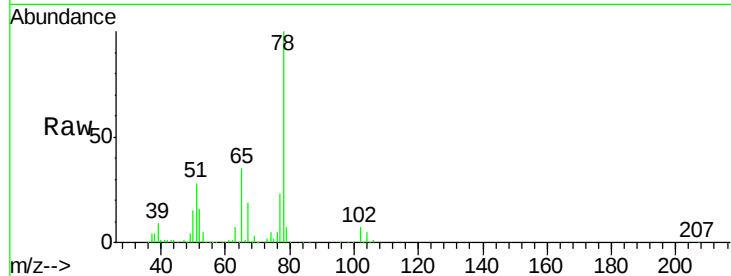
#33
 1,2-Dichloroethane-d4
 Concen: 16.57 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. -0.00 min
 Lab File: VN049770.D
 Acq: 12 Jul 2018 11:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
65	100	263578		
67	53.8	0.0	107.2	

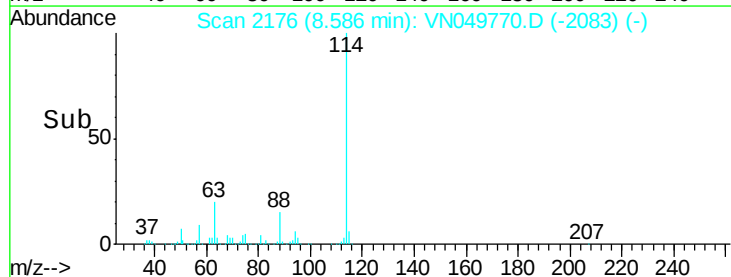
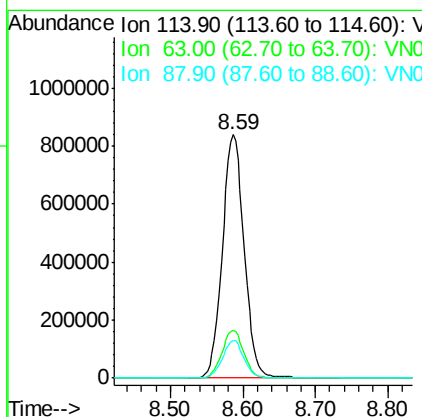
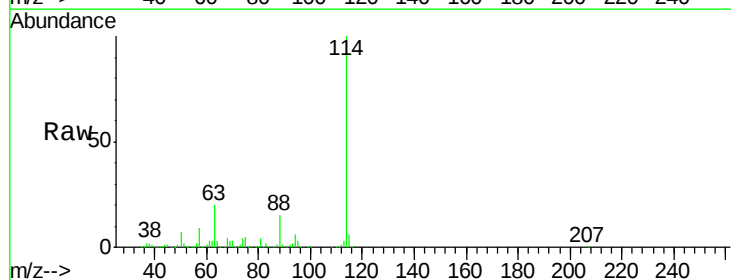
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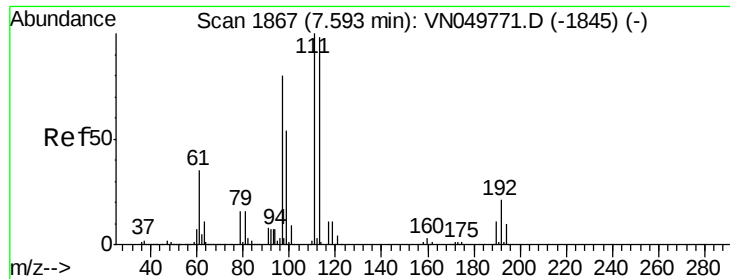
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 7/13/2018 1:35:09 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN049770.D
 Acq: 12 Jul 2018 11:39

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1747001		
63	19.7	0.0	39.8	
88	15.5	0.0	30.6	





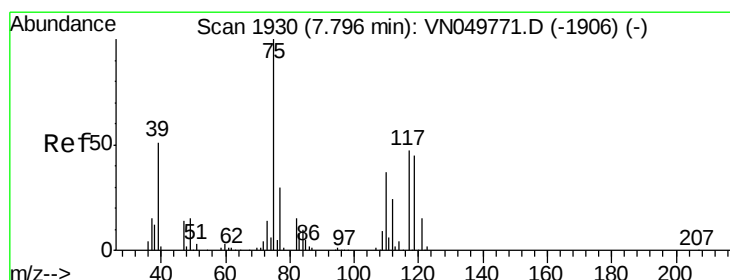
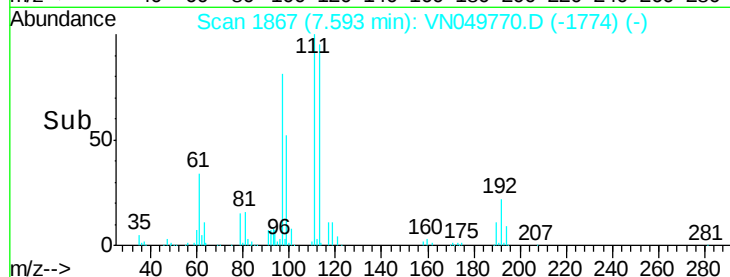
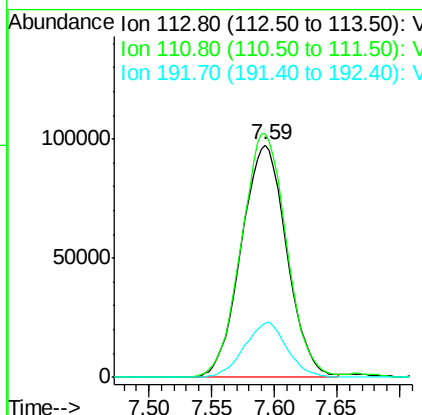
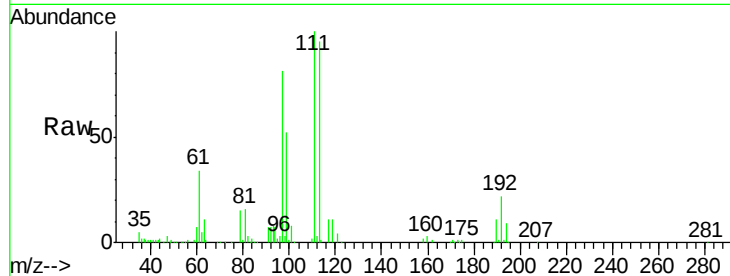
#35
Dibromofluoromethane
Concen: 18.81 ug/l
RT: 7.59 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN049770.D
Acq: 12 Jul 2018 11:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
113	100	245631		
111	104.6	81.8	122.8	
192	22.2	17.8	26.6	

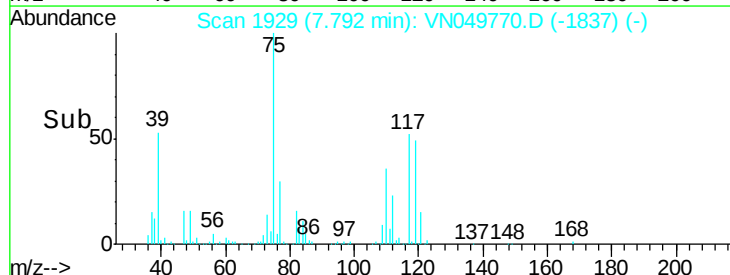
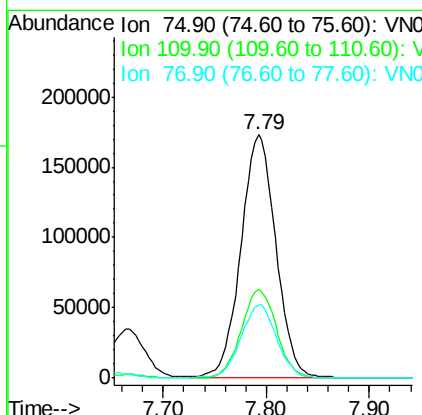
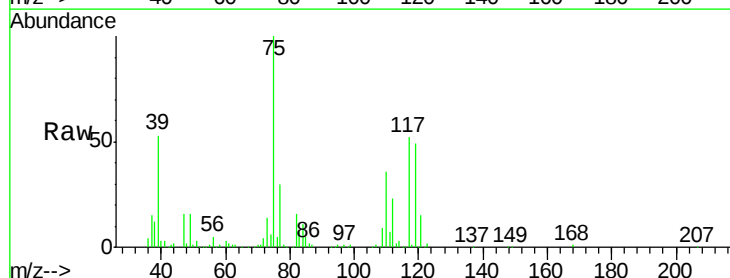
Manual Integrations
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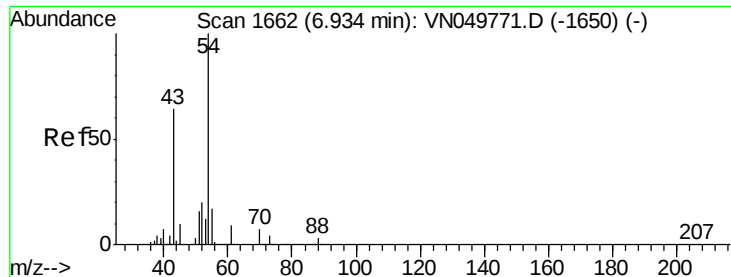
MMDadoda
7/13/2018 1:35:09 PM



#36
1,1-Dichloropropene
Concen: 20.61 ug/l
RT: 7.79 min Scan# 1929
Delta R.T. -0.00 min
Lab File: VN049770.D
Acq: 12 Jul 2018 11:39

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	405141		
110	36.9	18.1	54.4	
77	31.2	24.9	37.3	





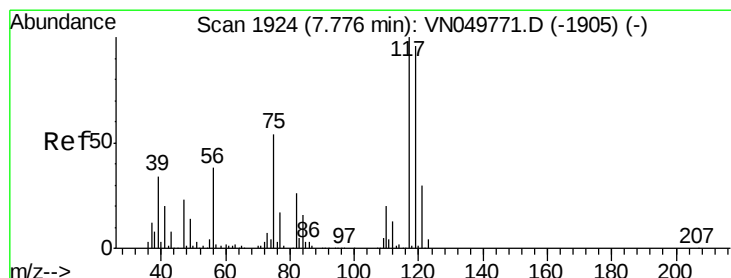
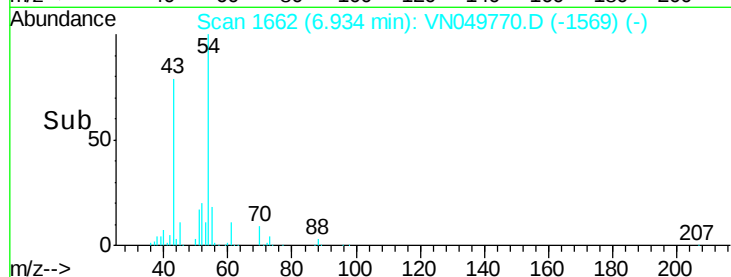
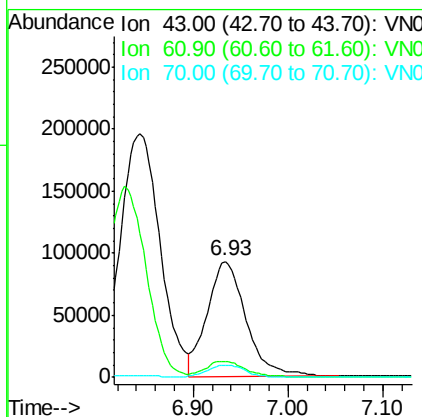
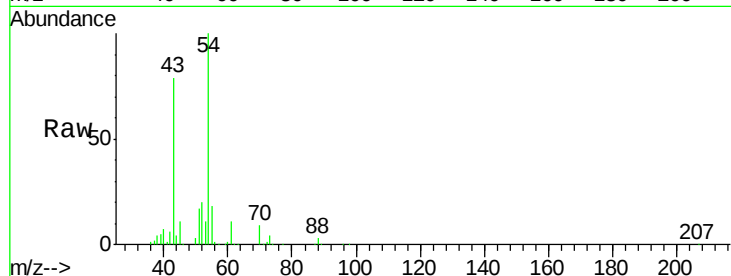
#37
Ethyl Acetate
Concen: 22.93 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VN049770.D
Acq: 12 Jul 2018 11:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.1	11.7	17.5
70	10.6	8.4	12.6

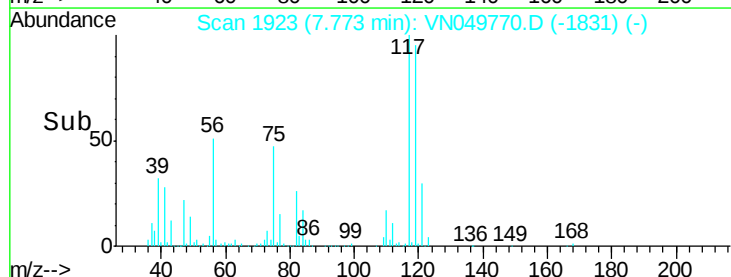
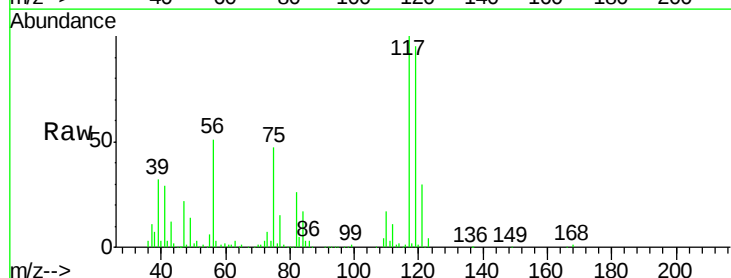
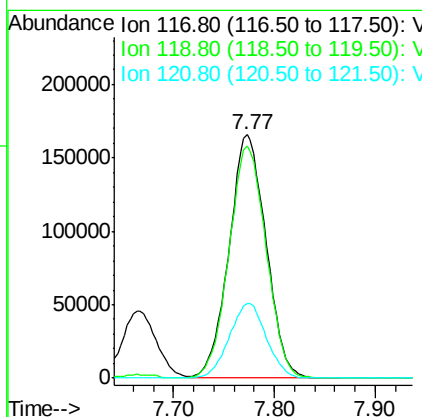
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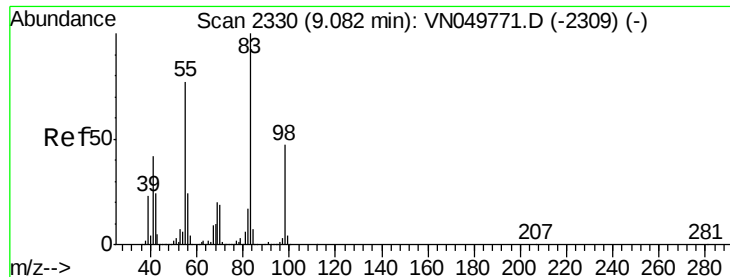
MMDadoda
7/13/2018 1:35:09 PM



#38
Carbon Tetrachloride
Concen: 22.03 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN049770.D
Acq: 12 Jul 2018 11:39

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.2	77.2	115.8
121	30.5	25.0	37.6





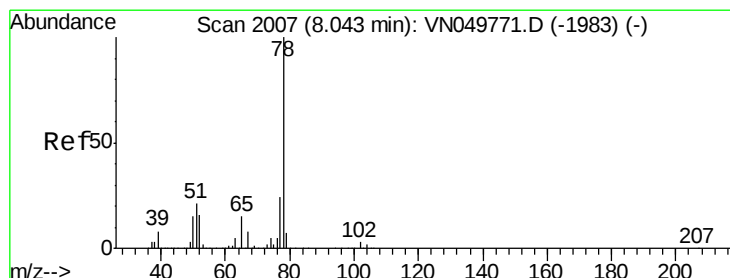
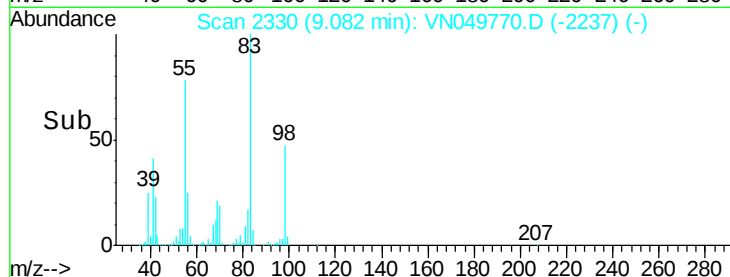
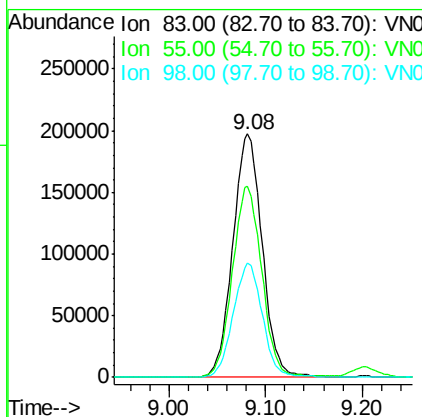
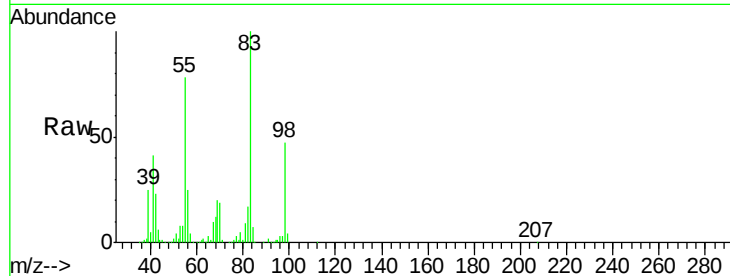
#39
Methvlcvclohexane
Concen: 19.33 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN049770.D
Acq: 12 Jul 2018 11:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.3	59.7	89.5
98	46.7	36.5	54.7

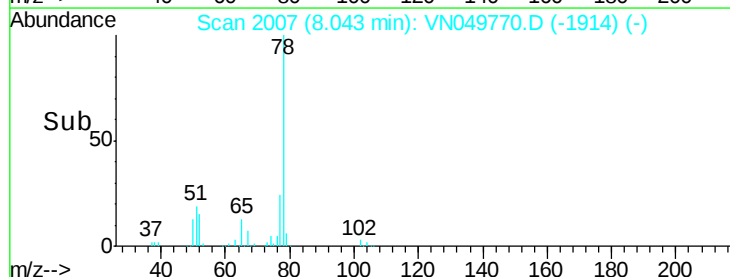
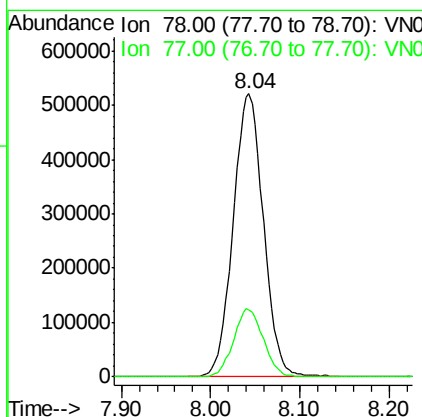
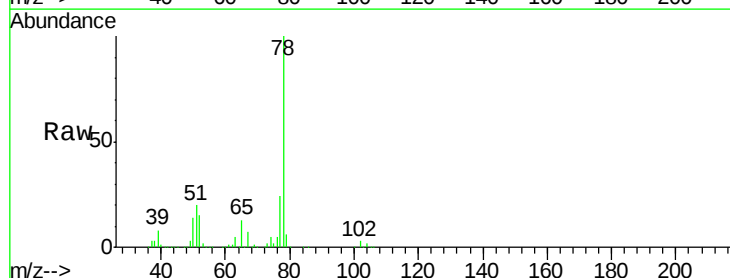
Manual Integrations
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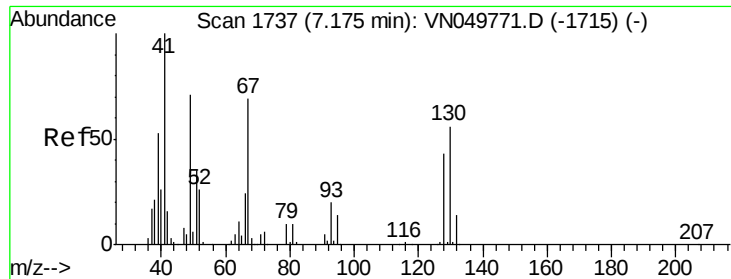
MMDadoda
7/13/2018 1:35:09 PM



#40
Benzene
Concen: 20.43 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VN049770.D
Acq: 12 Jul 2018 11:39

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.0	28.4





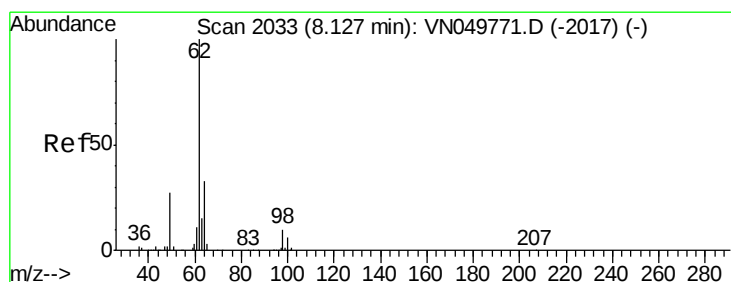
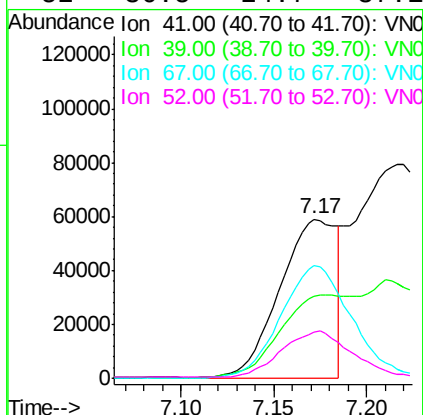
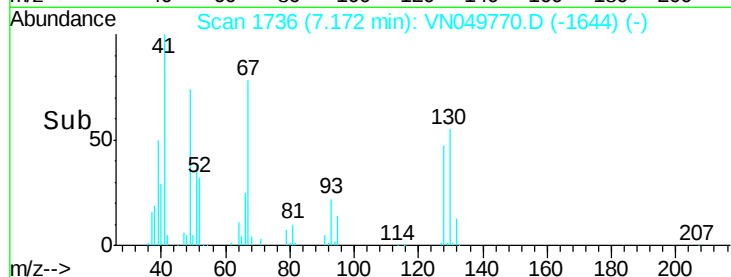
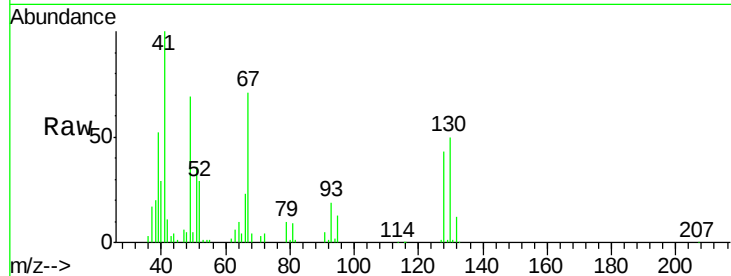
#41
Methacrylonitrile
Concen: 19.37 ug/l
RT: 7.17 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VN049770.D
Acq: 12 Jul 2018 11:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		125169		
39	58.2	45.4	68.2		
67	90.3	65.4	98.0		
52	36.5	24.7	37.1		

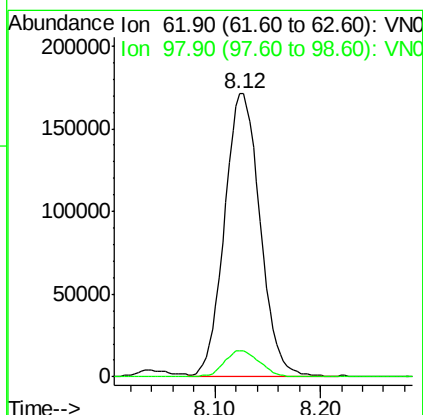
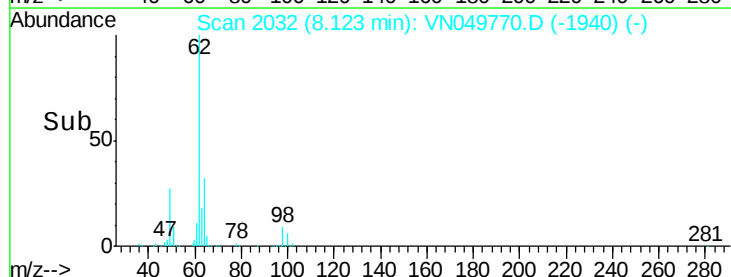
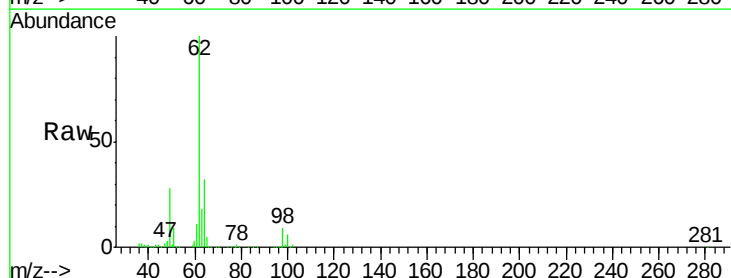
Manual Integrations
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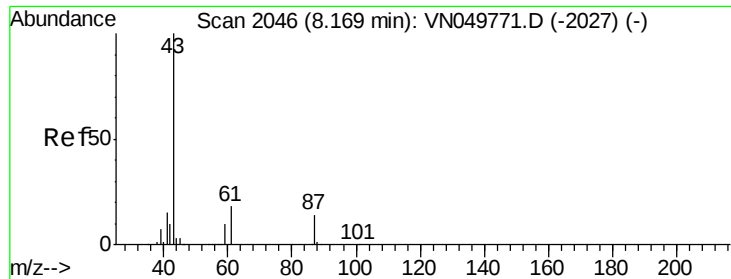
MMDadoda
7/13/2018 1:35:09 PM



#42
1,2-Dichloroethane
Concen: 20.84 ug/l
RT: 8.12 min Scan# 2032
Delta R.T. -0.00 min
Lab File: VN049770.D
Acq: 12 Jul 2018 11:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		399121		
98	9.3	0.0	19.0		





#43

Isopropyl Acetate

Concen: 16.71 ug/l

RT: 8.17 min Scan# 2045

Delta R.T. -0.00 min

Lab File: VN049770.D

Acq: 12 Jul 2018 11:39

Instrument :

MSVOA_N

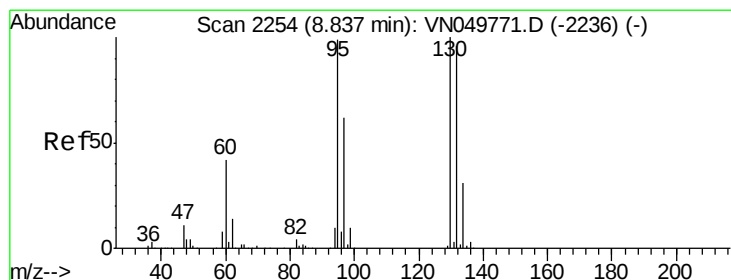
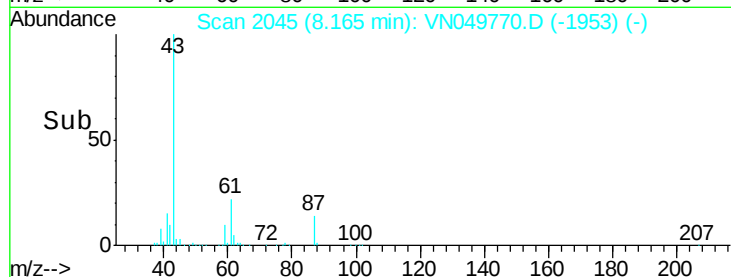
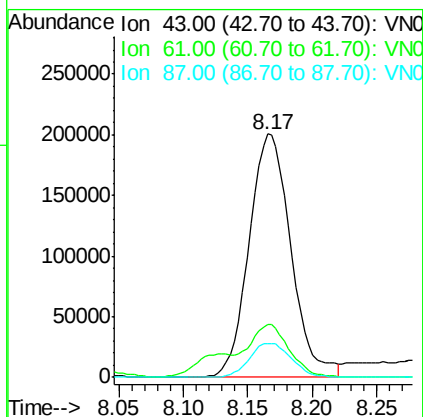
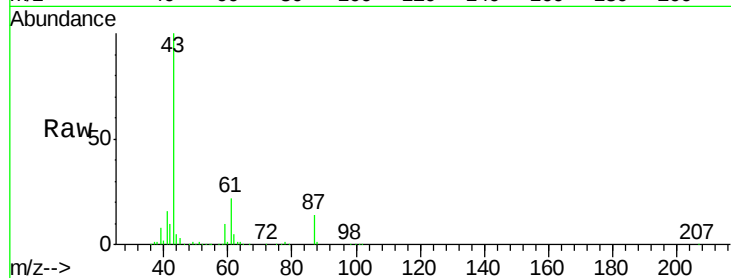
ClientSampleID :

VSTDIC020

Tot Ion:	43	Resp:	452659
Ion	Ratio	Lower	Upper
43	100		
61	20.2	14.9	22.3
87	14.1	10.0	15.0

Manual Integrations
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7/13/2018 1:35:09 PM



#44

Trichloroethene

Concen: 17.86 ug/l

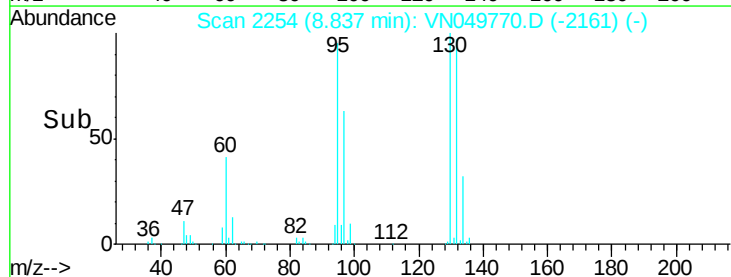
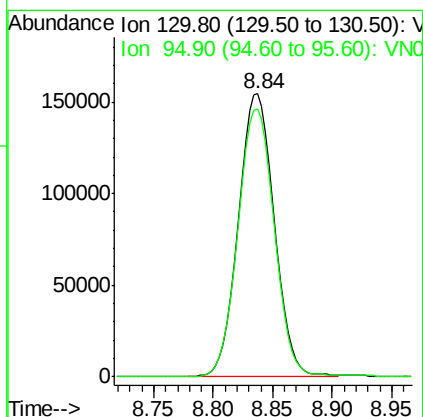
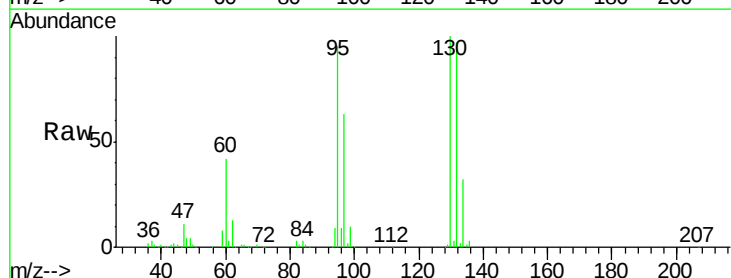
RT: 8.84 min Scan# 2254

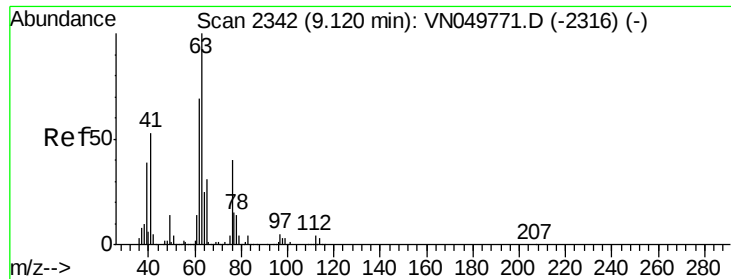
Delta R.T. -0.00 min

Lab File: VN049770.D

Acq: 12 Jul 2018 11:39

Tgt Ion:	130	Resp:	323216
Ion	Ratio	Lower	Upper
130	100		
95	94.8	0.0	192.8





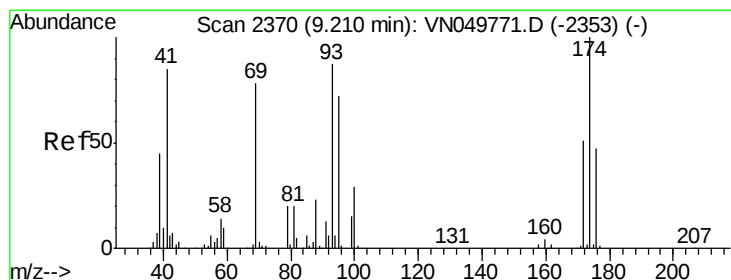
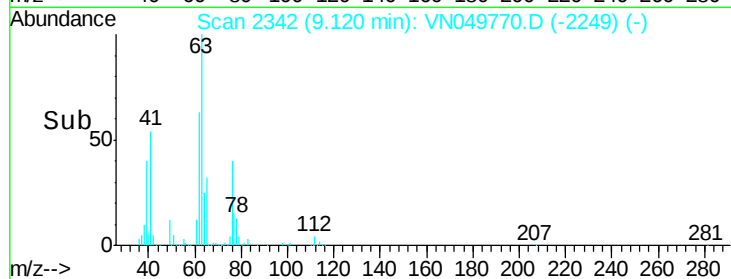
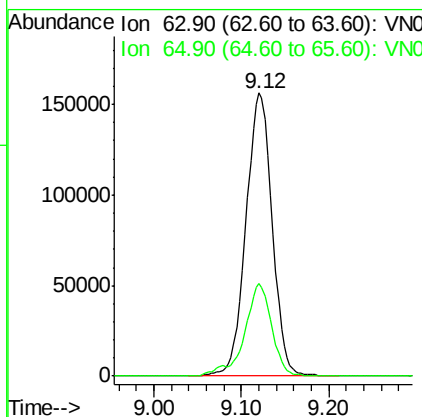
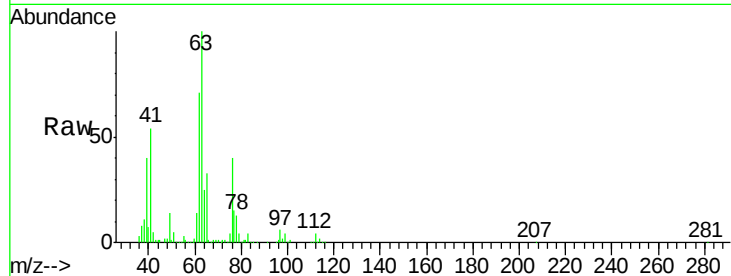
#45
 1,2-Dichloropropane
 Concen: 20.99 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. -0.00 min
 Lab File: VN049770.D
 Acq: 12 Jul 2018 11:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion: 63 Resp: 325418
 Ion Ratio Lower Upper
 63 100
 65 32.8 24.7 37.1

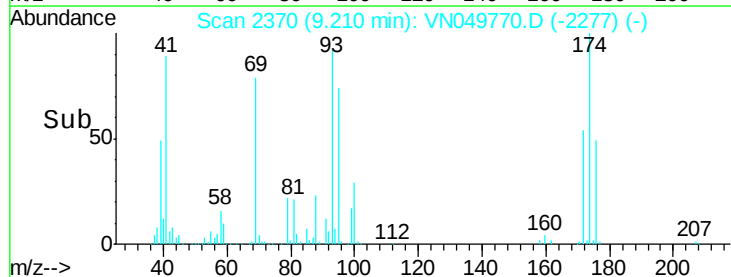
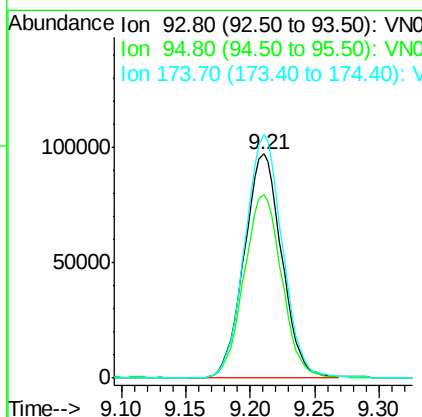
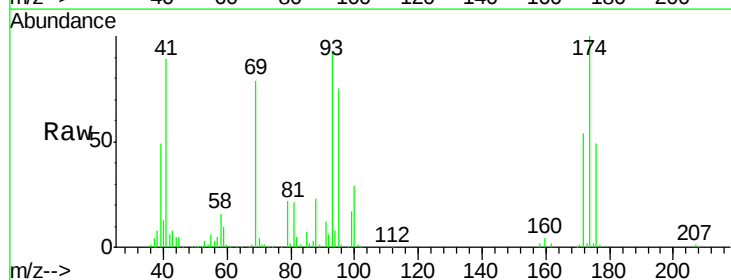
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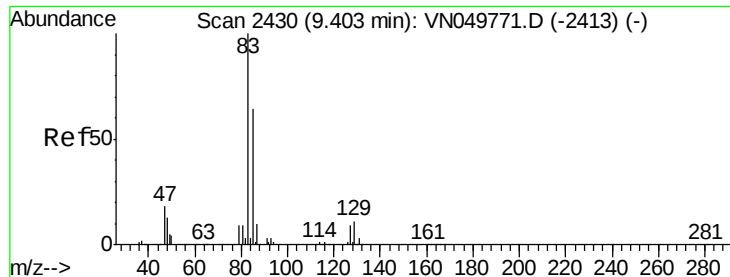
MMDadoda
 7/13/2018 1:35:09 PM



#46
 Dibromomethane
 Concen: 21.08 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. -0.00 min
 Lab File: VN049770.D
 Acq: 12 Jul 2018 11:39

Tgt Ion: 93 Resp: 197772
 Ion Ratio Lower Upper
 93 100
 95 82.3 67.9 101.9
 174 108.7 89.4 134.0





#47

Bromodichloromethane

Concen: 21.27 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VN049770.D

Acq: 12 Jul 2018 11:39

Instrument :

MSVOA_N

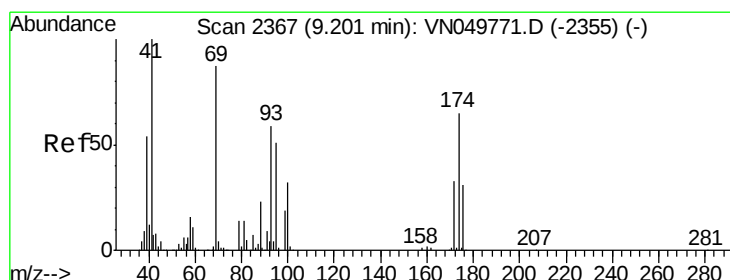
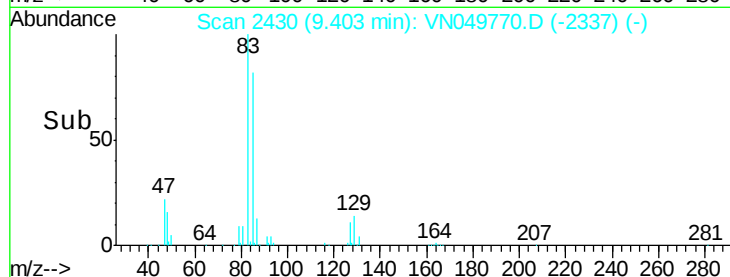
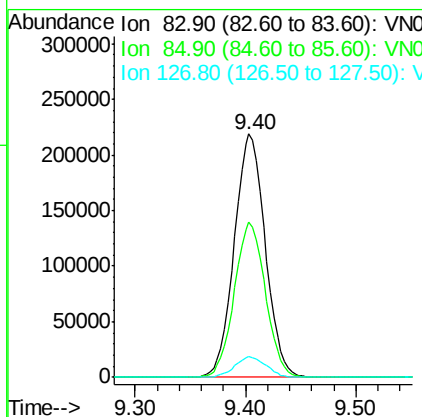
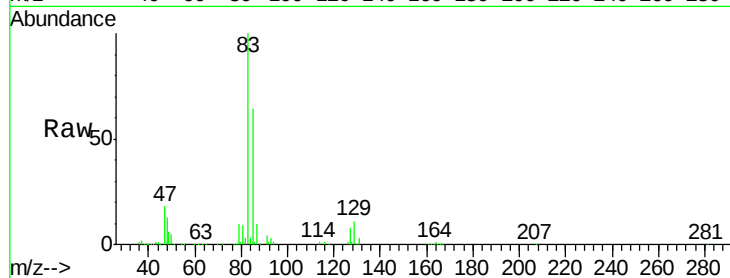
ClientSampled :

VSTDIC020

Tot Ion:	83	Resp:	424803
Ion Ratio	Lower	Upper	
83	100		
85	63.6	50.5	75.7
127	8.4	6.8	10.2

Manual Integrations
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7/13/2018 1:35:09 PM



#48

Methyl methacrylate

Concen: 20.97 ug/l

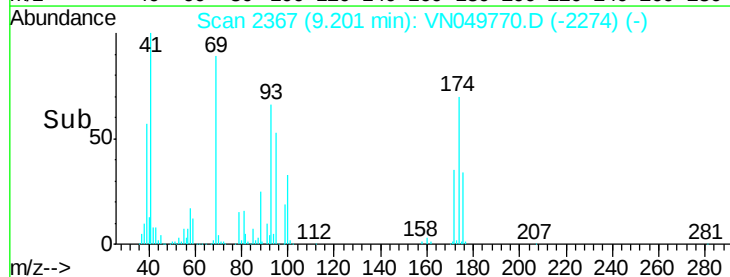
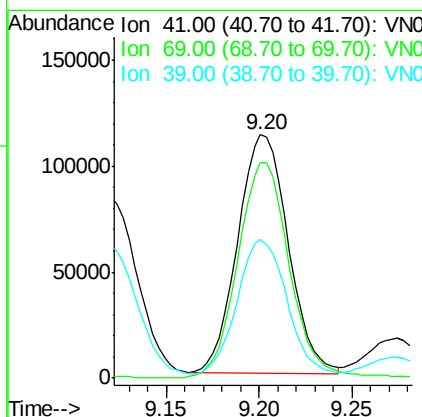
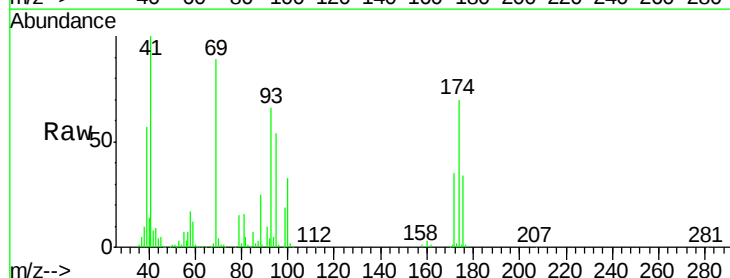
RT: 9.20 min Scan# 2367

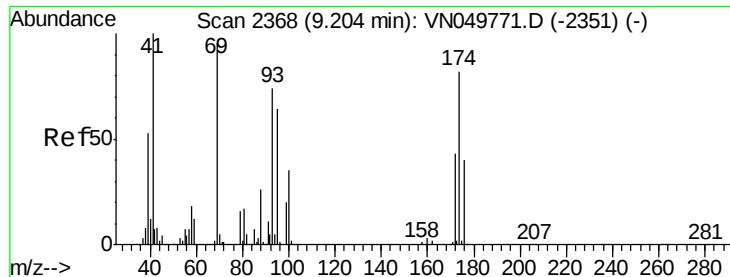
Delta R.T. -0.00 min

Lab File: VN049770.D

Acq: 12 Jul 2018 11:39

Tgt Ion:	41	Resp:	213617
Ion Ratio	Lower	Upper	
41	100		
69	92.3	71.5	107.3
39	58.4	44.7	67.1





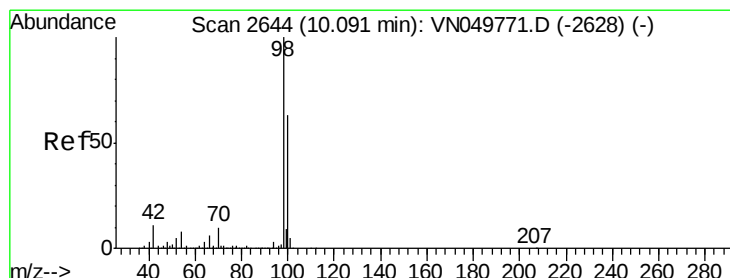
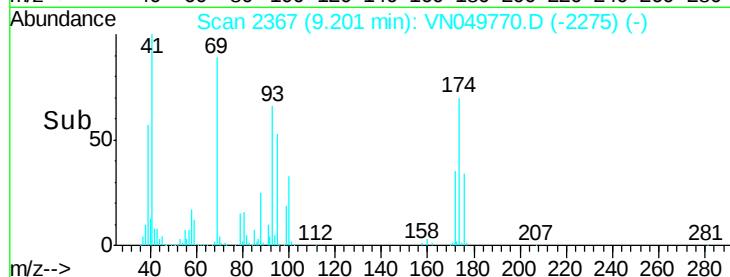
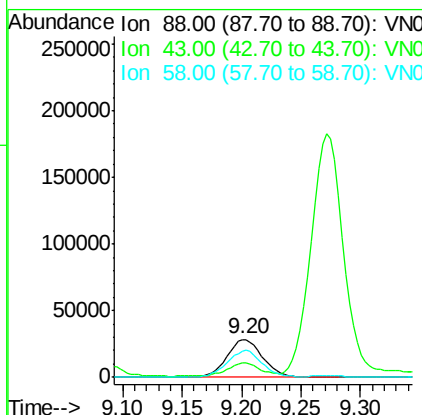
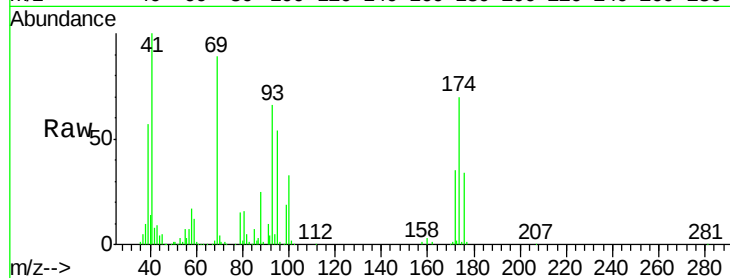
#49
1,4-Dioxane
Concen: 436.78 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN049770.D
Acq: 12 Jul 2018 11:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.9	25.1	37.7
58	69.7	52.5	78.7

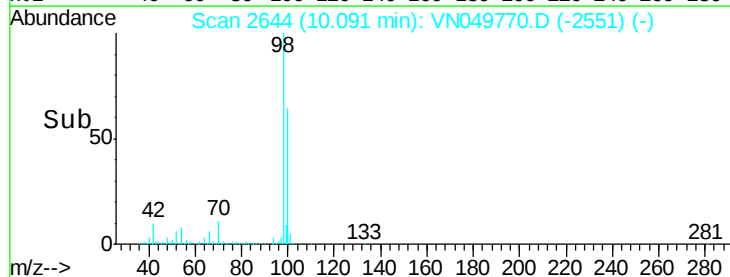
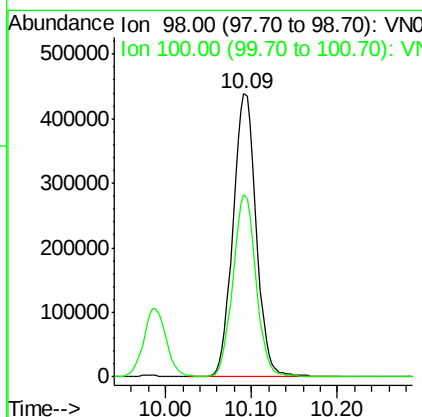
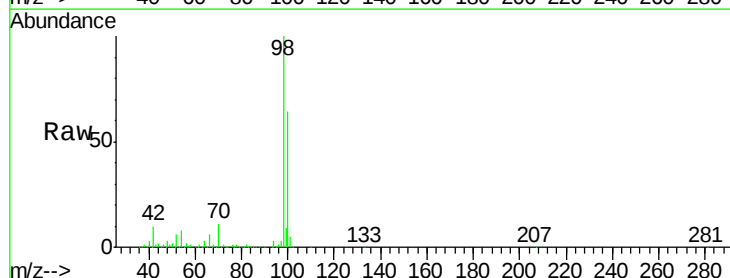
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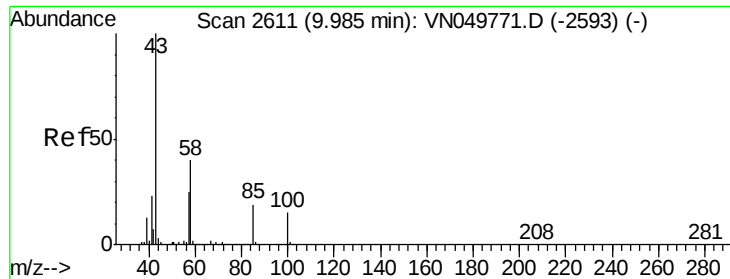
MMDadoda
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#50
Toluene-d8
Concen: 16.00 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VN049770.D
Acq: 12 Jul 2018 11:39

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.7	77.5





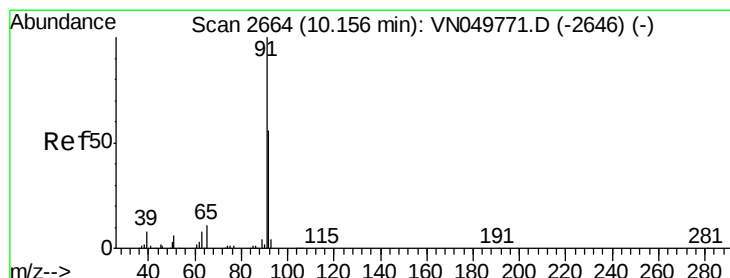
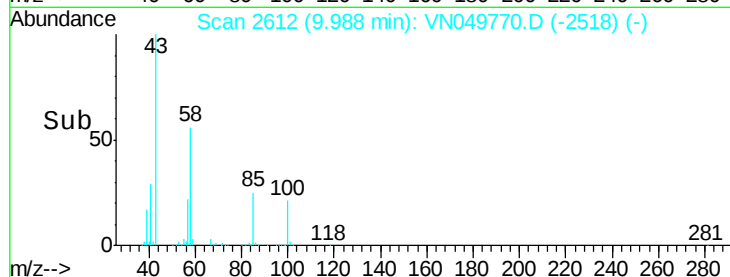
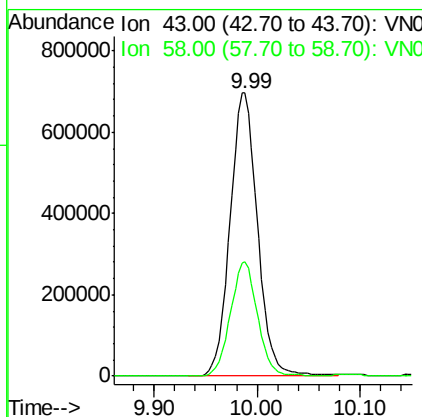
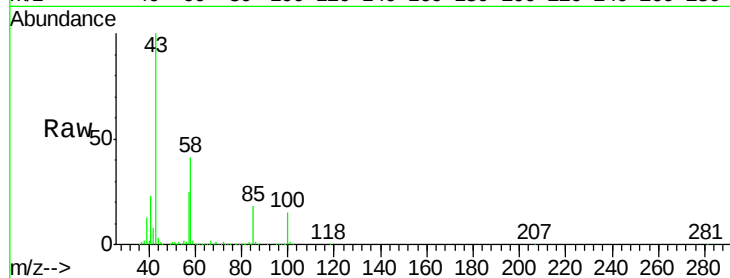
#51
4-Methyl-2-Pentanone
Concen: 114.72 ug/l
RT: 9.99 min Scan# 2612
Delta R.T. 0.00 min
Lab File: VN049770.D
Acq: 12 Jul 2018 11:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 1289400
Ion Ratio Lower Upper
43 100
58 40.1 31.8 47.8

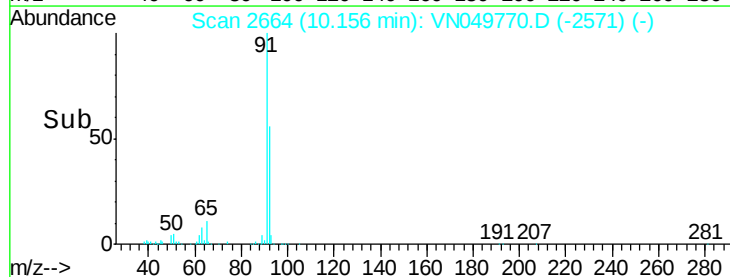
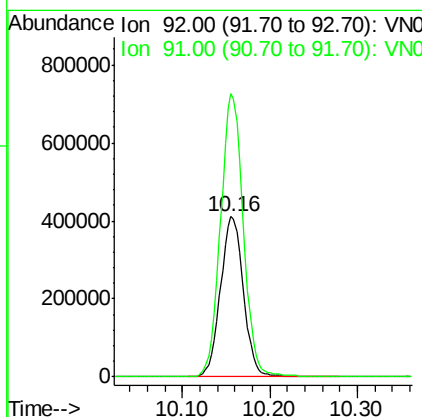
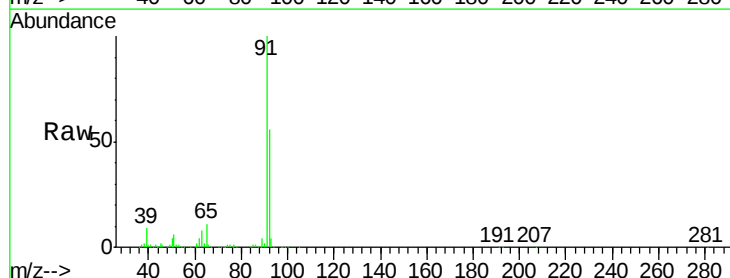
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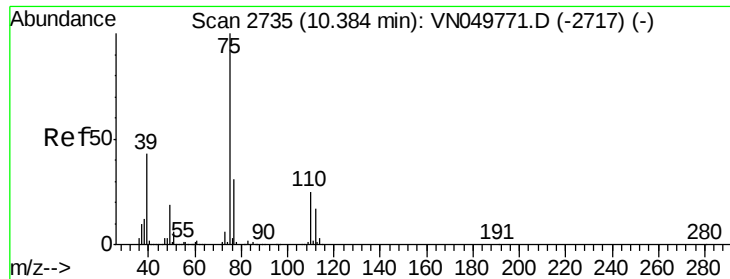
MMDadoda
7/13/2018 1:35:09 PM



#52
Toluene
Concen: 20.64 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. -0.00 min
Lab File: VN049770.D
Acq: 12 Jul 2018 11:39

Tgt Ion: 92 Resp: 748356
Ion Ratio Lower Upper
92 100
91 175.6 140.1 210.1





#53

t-1,3-Dichloropropene

Concen: 21.60 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. -0.00 min

Lab File: VN049770.D

Acq: 12 Jul 2018 11:39

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 75 Resp: 413015

Ion Ratio Lower Upper

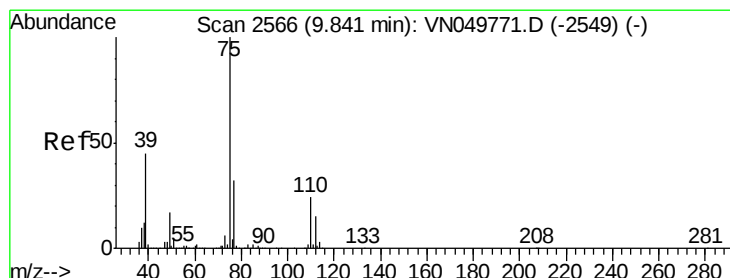
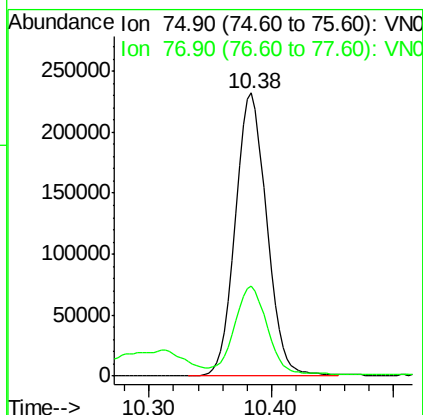
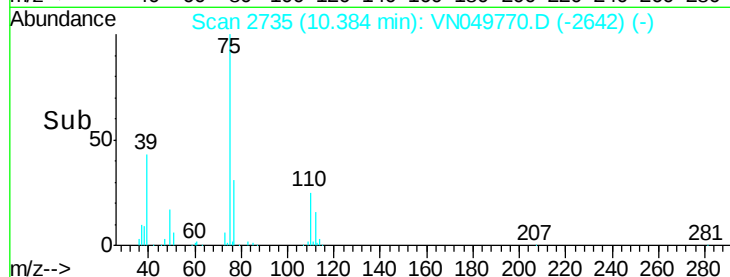
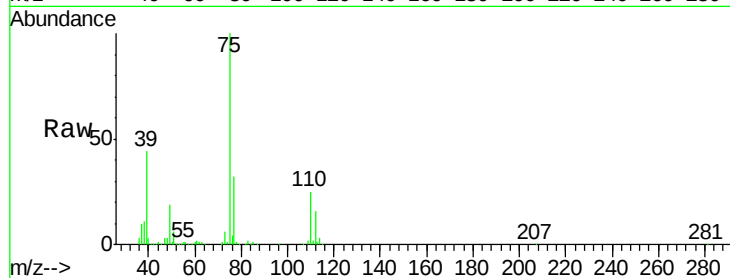
75 100

77 31.1 25.2 37.8

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#54

cis-1,3-Dichloropropene

Concen: 21.43 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VN049770.D

Acq: 12 Jul 2018 11:39

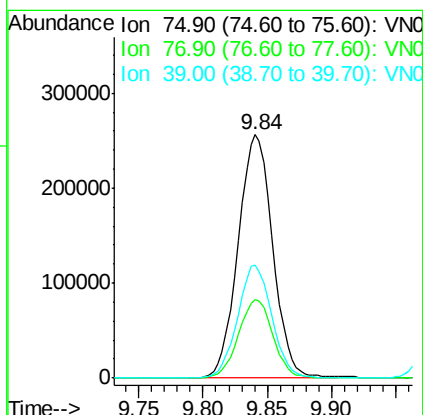
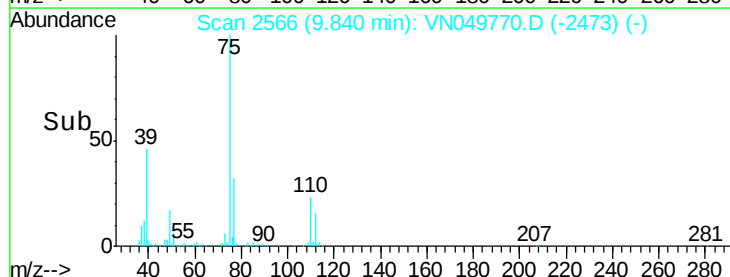
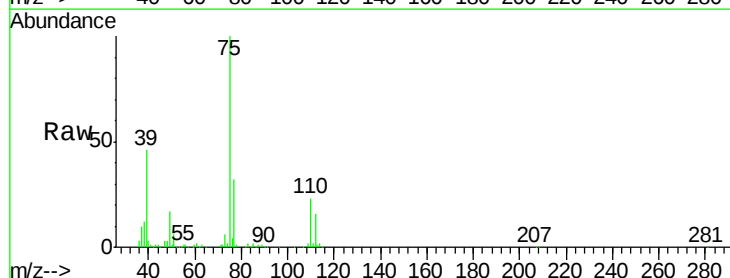
Tgt Ion: 75 Resp: 478931

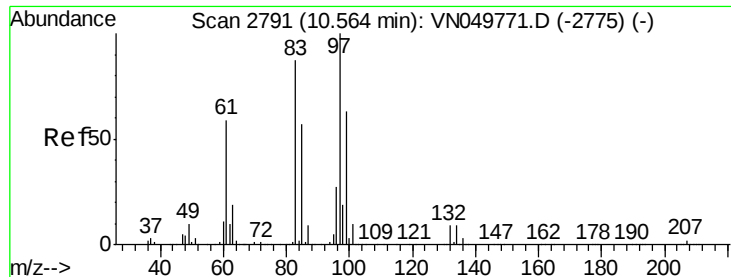
Ion Ratio Lower Upper

75 100

77 32.3 25.3 37.9

39 46.3 35.5 53.3





#55

1,1,2-Trichloroethane

Concen: 21.88 ug/l

RT: 10.56 min Scan# 2791

Delta R.T. -0.00 min

Lab File: VN049770.D

Acq: 12 Jul 2018 11:39

Instrument :

MSVOA_N

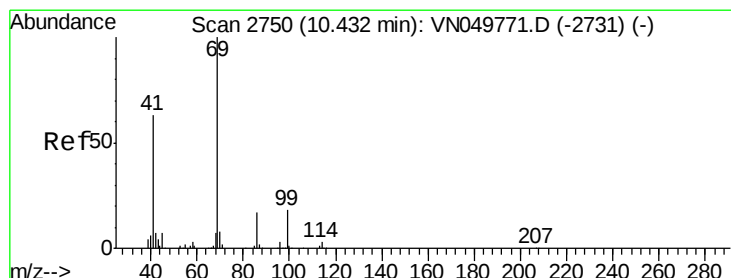
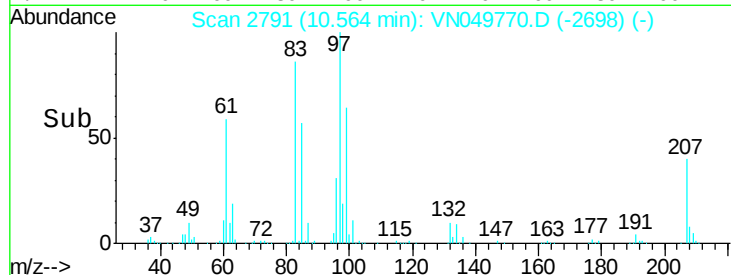
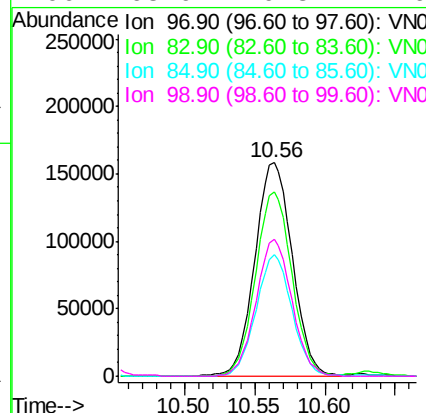
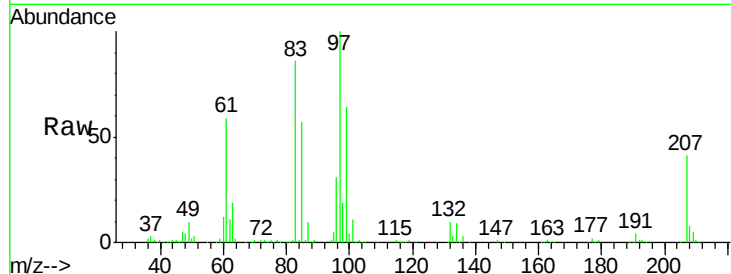
ClientSampleId :

VSTDIC020

Tot Ion:	97	Resp:	295326
Ion Ratio	Lower	Upper	
97	100		
83	86.2	69.0	103.6
85	57.0	44.9	67.3
99	63.9	49.8	74.6

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#56

Ethyl methacrylate

Concen: 21.85 ug/l

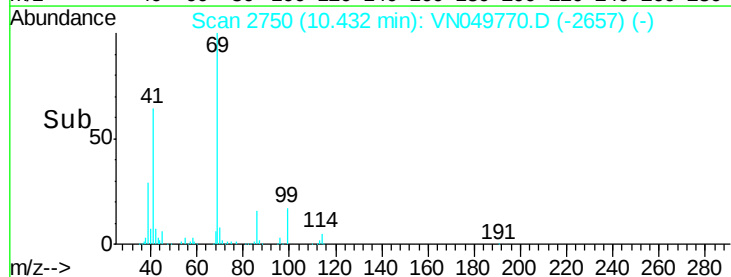
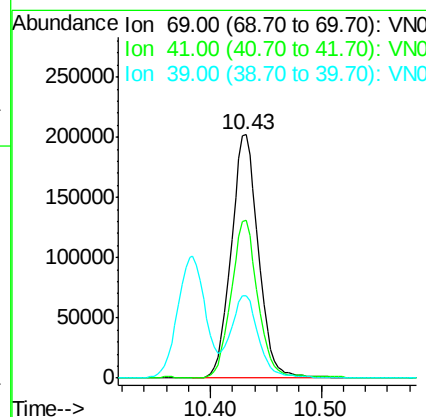
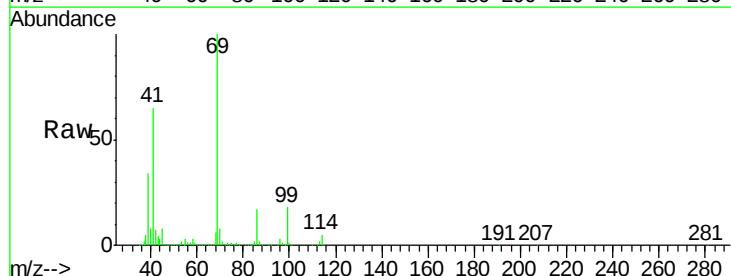
RT: 10.43 min Scan# 2750

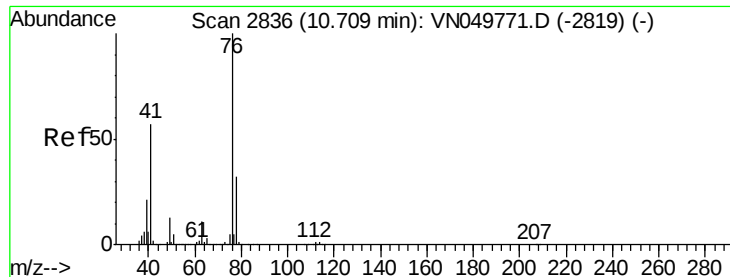
Delta R.T. -0.00 min

Lab File: VN049770.D

Acq: 12 Jul 2018 11:39

Tgt Ion:	69	Resp:	345784
Ion Ratio	Lower	Upper	
69	100		
41	62.9	51.6	77.4
39	33.3	25.8	38.8





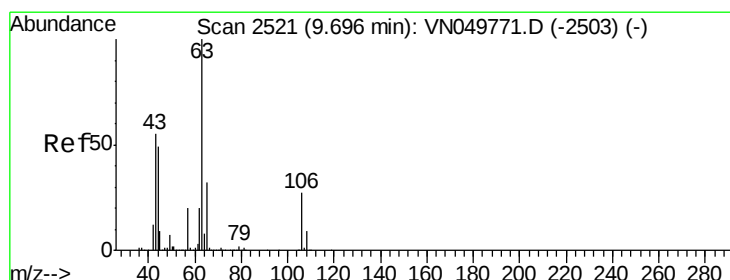
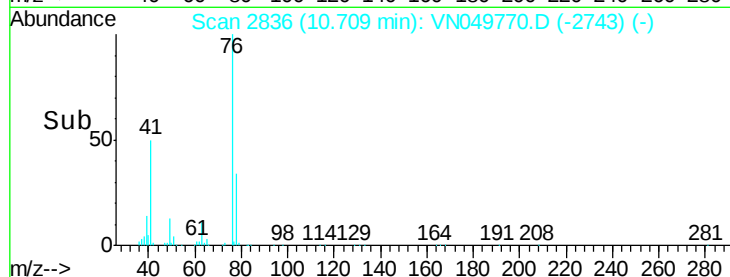
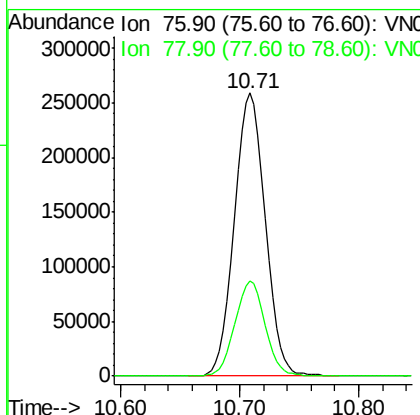
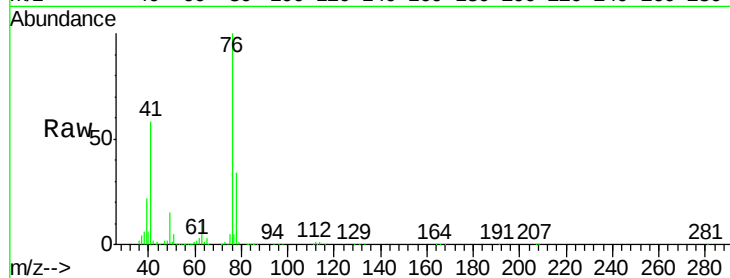
#57
 1,3-Dichloropropane
 Concen: 21.31 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. -0.00 min
 Lab File: VN049770.D
 Acq: 12 Jul 2018 11:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion: 76 Resp: 466559
 Ion Ratio Lower Upper
 76 100
 78 32.7 25.8 38.8

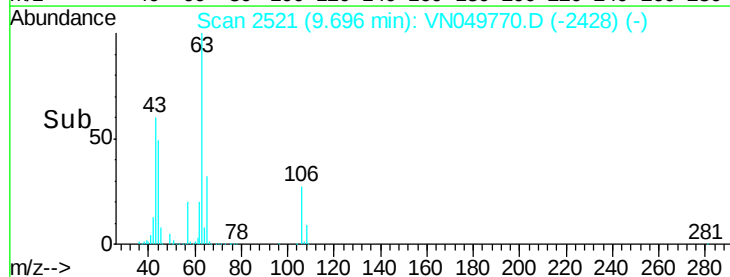
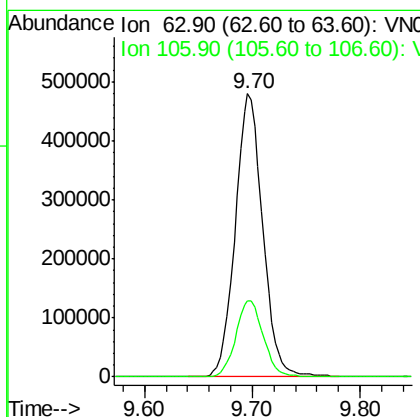
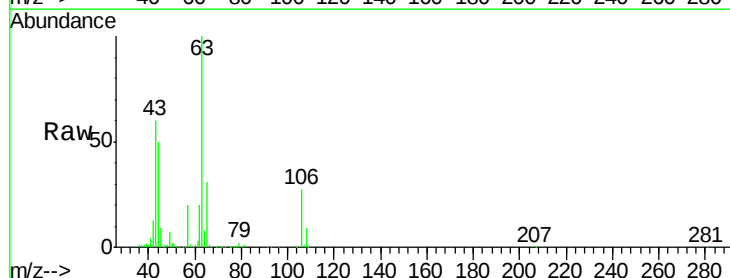
Manual Integrations
 APPROVED

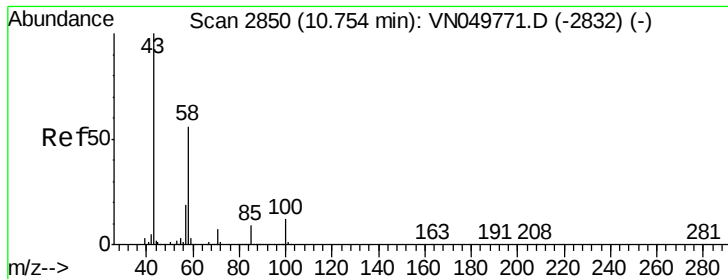
MMDadoda
 7/13/2018 1:35:09 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 115.54 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. -0.00 min
 Lab File: VN049770.D
 Acq: 12 Jul 2018 11:39

Tgt Ion: 63 Resp: 851118
 Ion Ratio Lower Upper
 63 100
 106 27.0 21.8 32.8





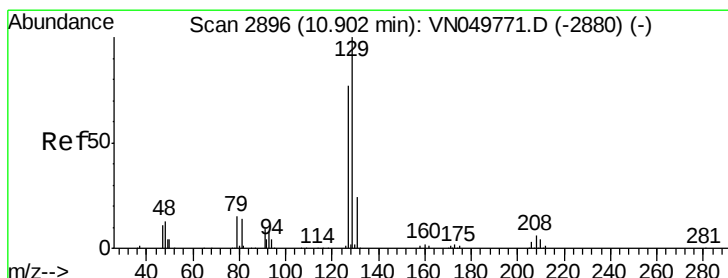
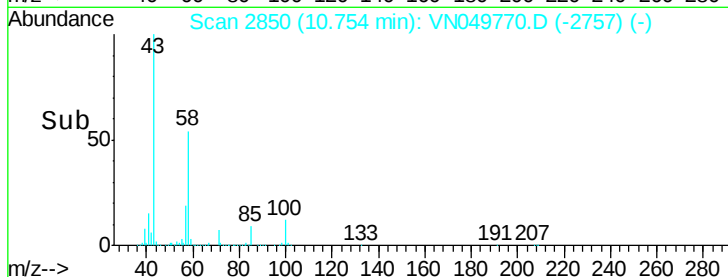
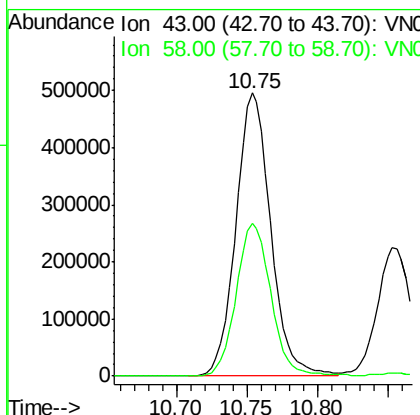
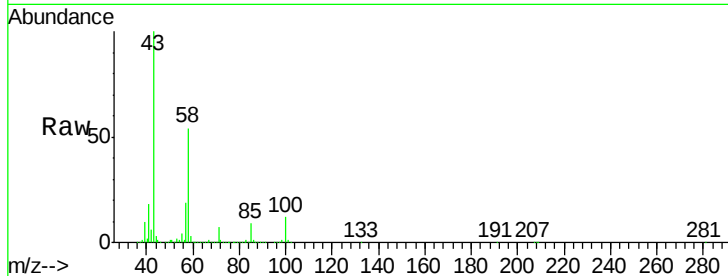
#59
2-Hexanone
Concen: 114.69 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VN049770.D
Acq: 12 Jul 2018 11:39

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion: 43 Resp: 852441
Ion Ratio Lower Upper
43 100
58 54.4 27.8 83.4

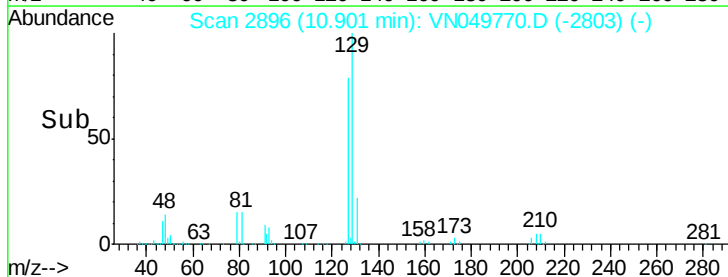
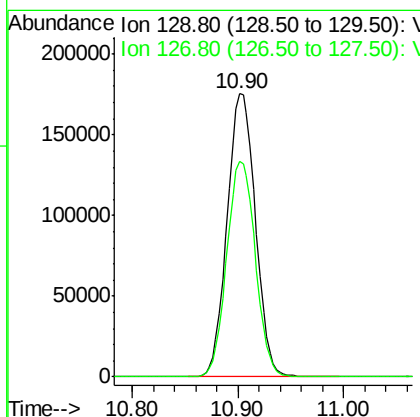
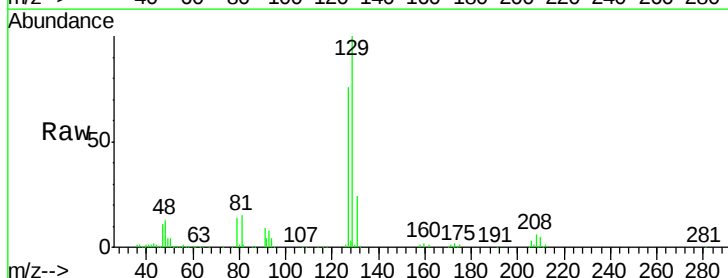
Manual Integrations
APPROVED

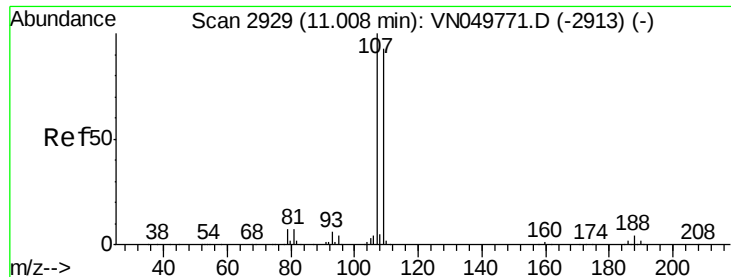
MMDadoda
7/13/2018 1:35:09 PM



#60
Dibromochloromethane
Concen: 22.33 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VN049770.D
Acq: 12 Jul 2018 11:39

Tgt Ion: 129 Resp: 325807
Ion Ratio Lower Upper
129 100
127 76.8 38.3 114.9





#61

1,2-Dibromoethane

Concen: 20.83 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. -0.00 min

Lab File: VN049770.D

Acq: 12 Jul 2018 11:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:107 Resp: 269418

Ion Ratio Lower Upper

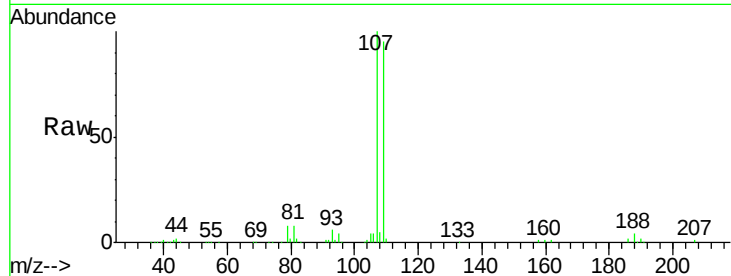
107 100

109 95.2 75.0 112.6

Manual Integrations
APPROVED

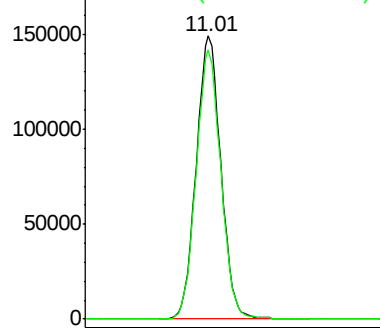
MMDadoda

7/13/2018 1:35:09 PM

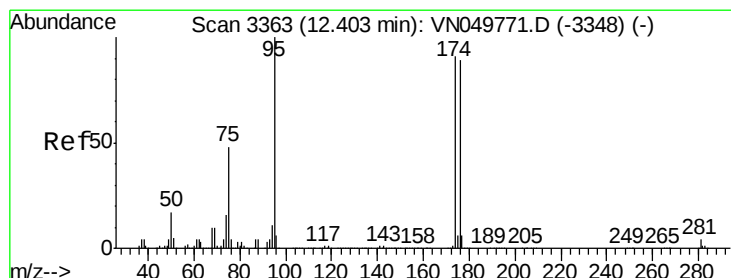
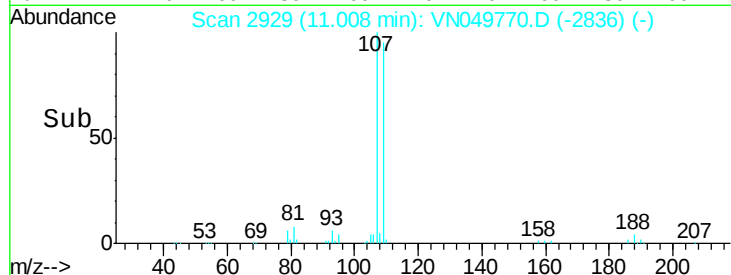


Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



Time-->



#62

4-Bromofluorobenzene

Concen: 16.54 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN049770.D

Acq: 12 Jul 2018 11:39

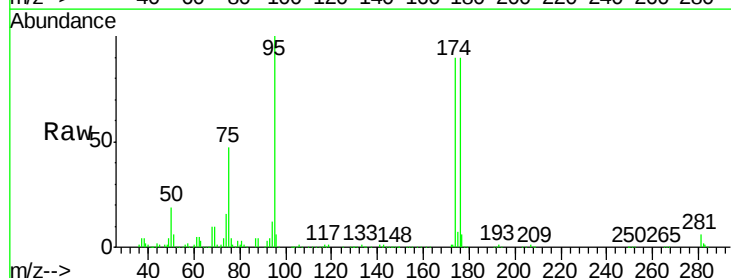
Tgt Ion: 95 Resp: 288656

Ion Ratio Lower Upper

95 100

174 90.7 0.0 179.6

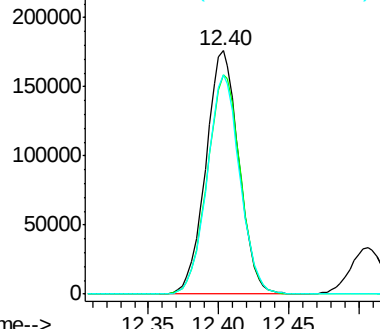
176 89.0 0.0 174.0



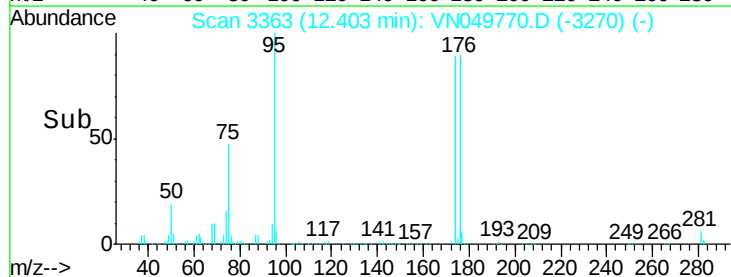
Abundance Ion 94.90 (94.60 to 95.60): V

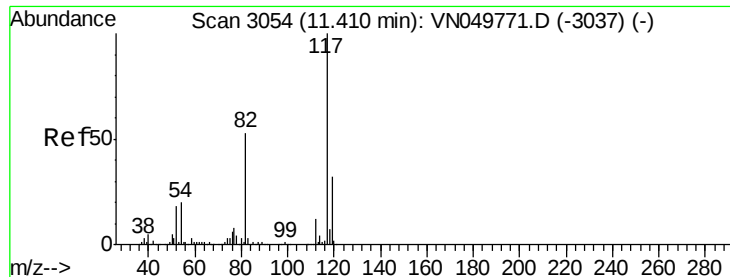
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. -0.00 min

Lab File: VN049770.D

Acq: 12 Jul 2018 11:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:117 Resp: 1577252

Ion Ratio Lower Upper

117 100

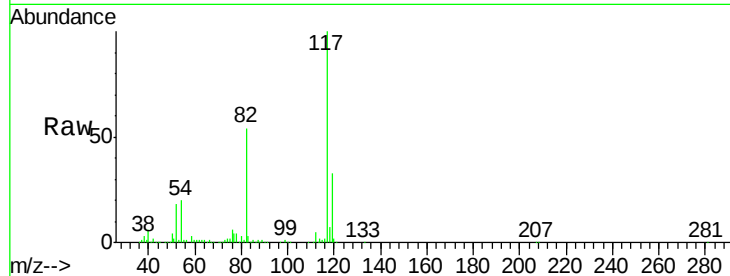
82 53.8 41.9 62.9

119 32.8 25.4 38.2

Manual Integrations
APPROVED

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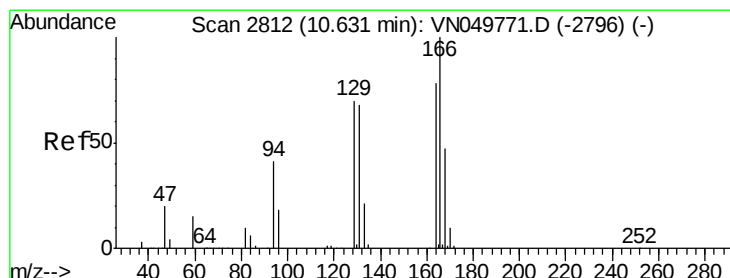
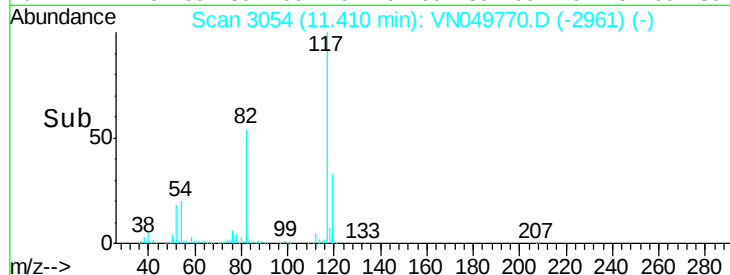
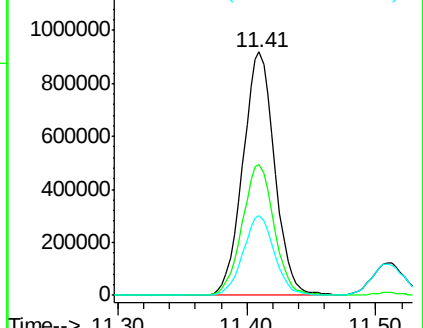
7/13/2018 1:35:09 PM



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: 13.64 ug/l

RT: 10.63 min Scan# 2813

Delta R.T. 0.00 min

Lab File: VN049770.D

Acq: 12 Jul 2018 11:39

Tgt Ion:164 Resp: 291393

Ion Ratio Lower Upper

164 100

166 127.5 101.8 152.6

129 90.8 72.8 109.2

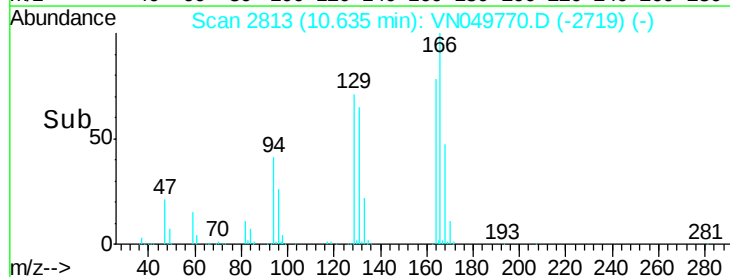
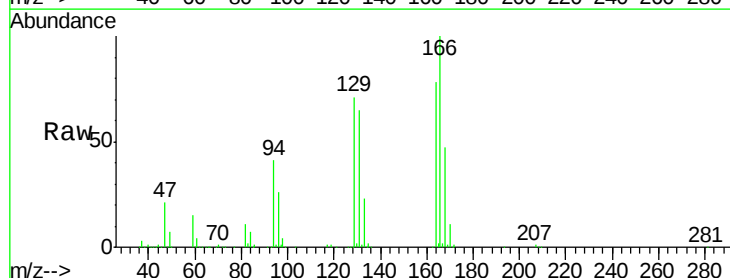
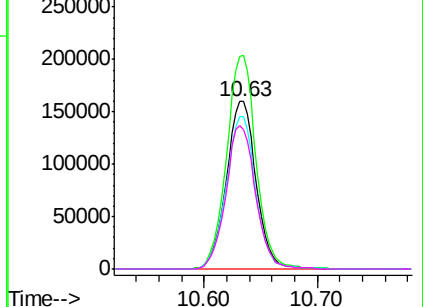
131 83.1 70.0 105.0

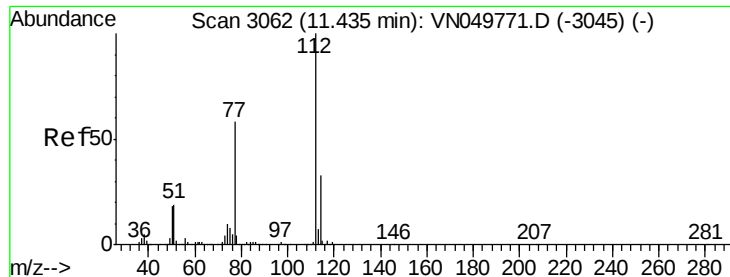
Abundance Ion 163.80 (163.50 to 164.50): V

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: 19.94 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN049770.D

Acq: 12 Jul 2018 11:39

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion:112 Resp: 820433

Ion Ratio Lower Upper

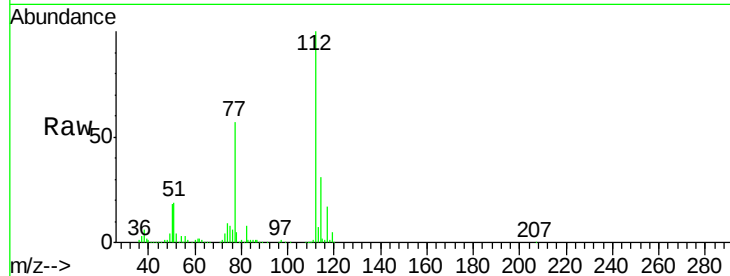
112 100

114 31.3 25.4 38.0

Manual Integrations
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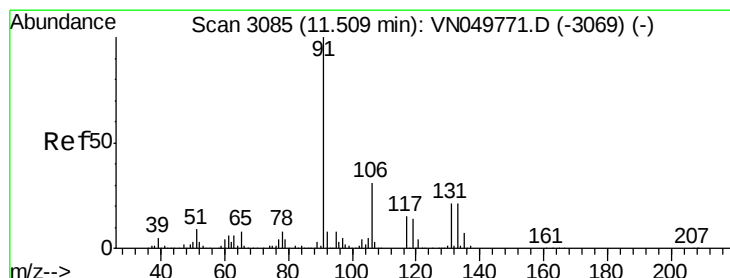
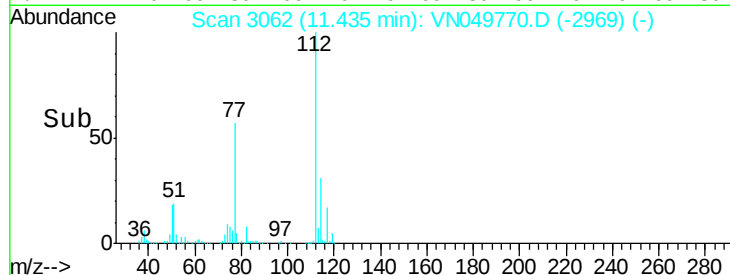
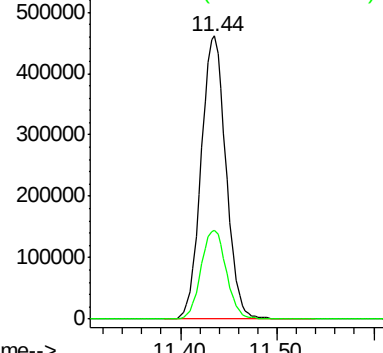
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 21.38 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. -0.00 min

Lab File: VN049770.D

Acq: 12 Jul 2018 11:39

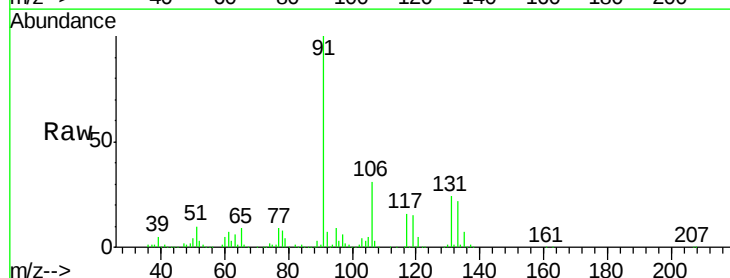
Tgt Ion:131 Resp: 316046

Ion Ratio Lower Upper

131 100

133 95.4 47.5 142.6

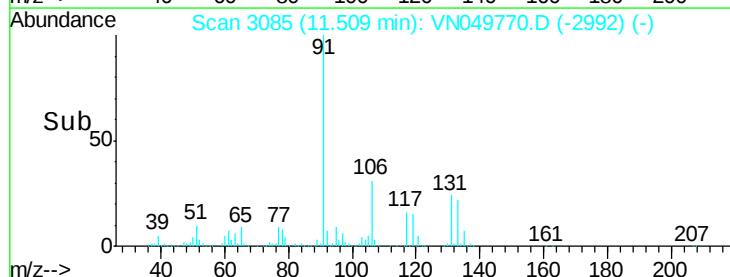
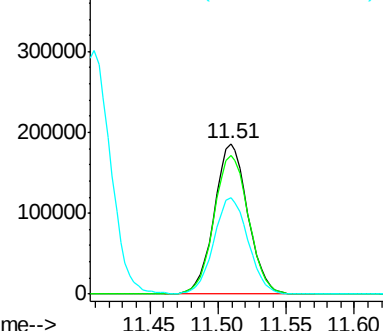
119 66.1 33.1 99.3

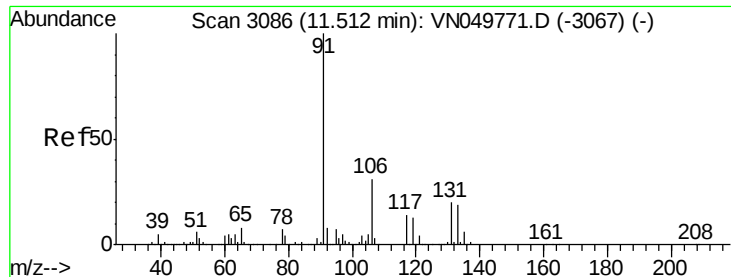


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 20.15 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. -0.00 min

Lab File: VN049770.D

Acq: 12 Jul 2018 11:39

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 91 Resp: 1370797

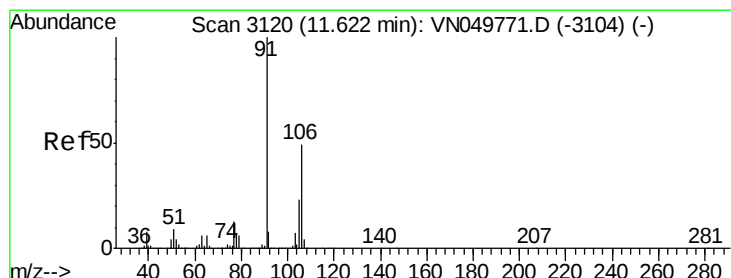
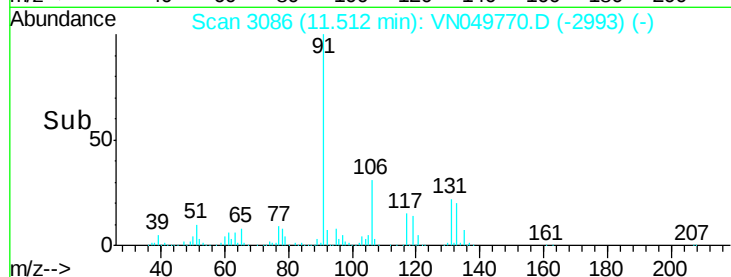
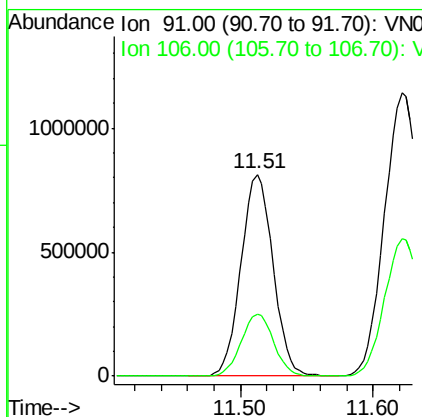
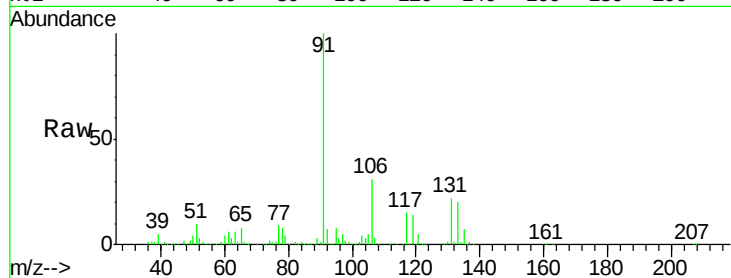
Ion Ratio Lower Upper

91 100

106 30.8 24.8 37.2

Manual Integrations
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#68

m/p-Xylenes

Concen: 40.70 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. -0.00 min

Lab File: VN049770.D

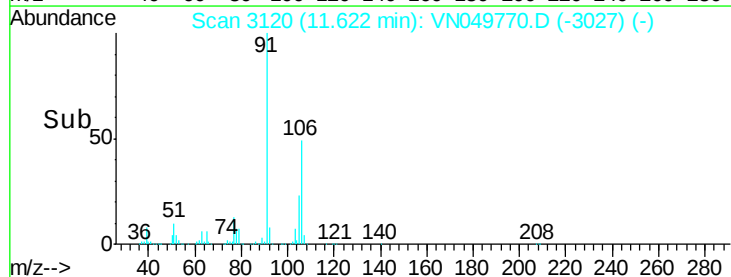
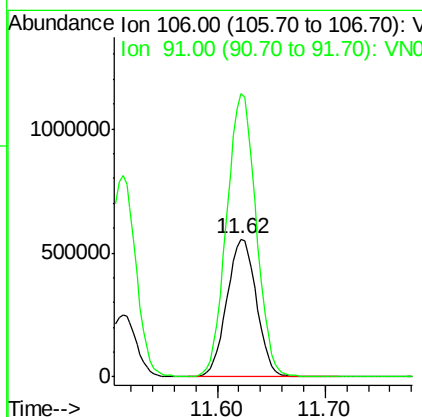
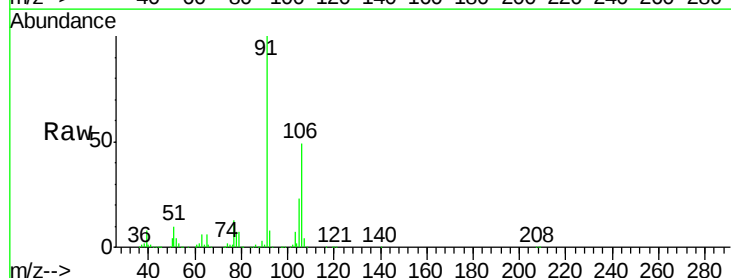
Acq: 12 Jul 2018 11:39

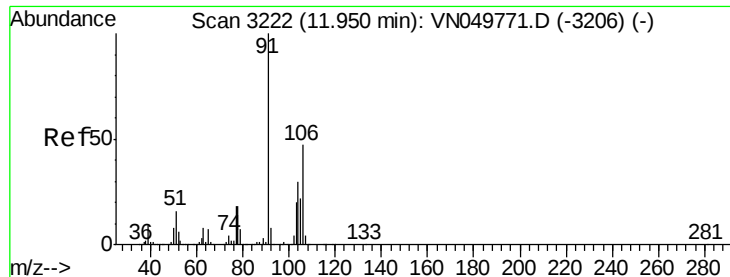
Tgt Ion: 106 Resp: 1060807

Ion Ratio Lower Upper

106 100

91 204.4 163.4 245.2





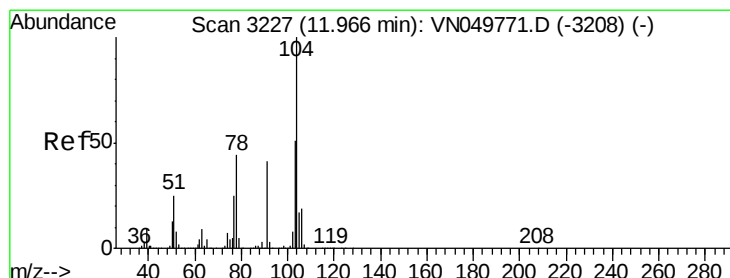
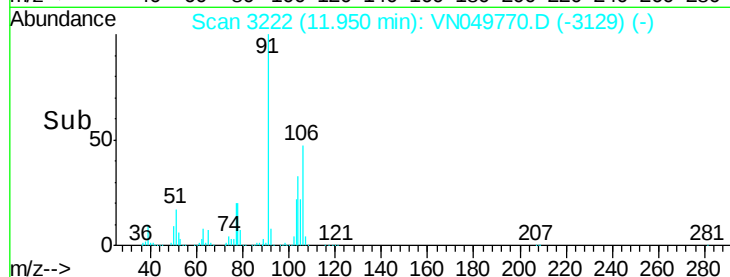
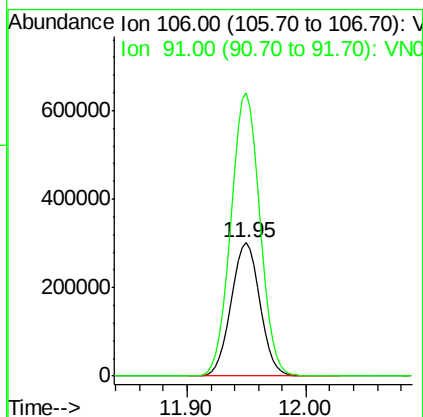
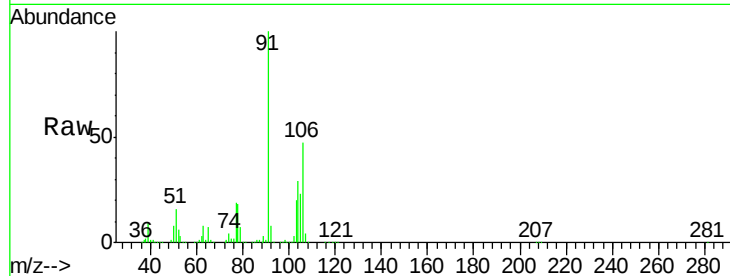
#69
o-Xylene
Concen: 20.32 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. -0.00 min
Lab File: VN049770.D
Acq: 12 Jul 2018 11:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

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

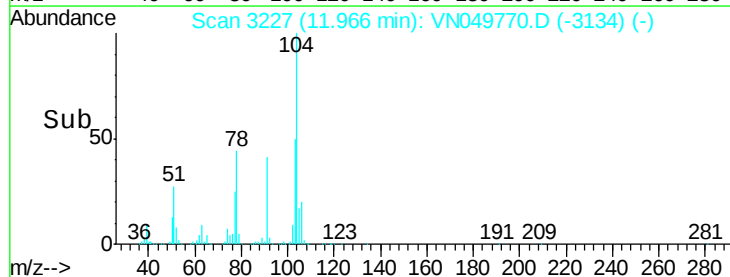
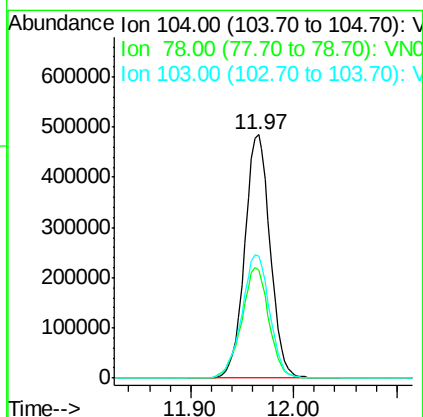
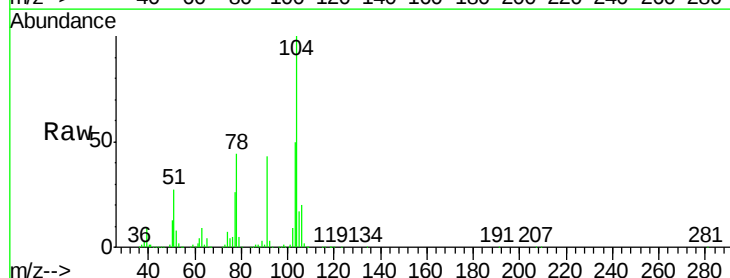
Manual Integrations
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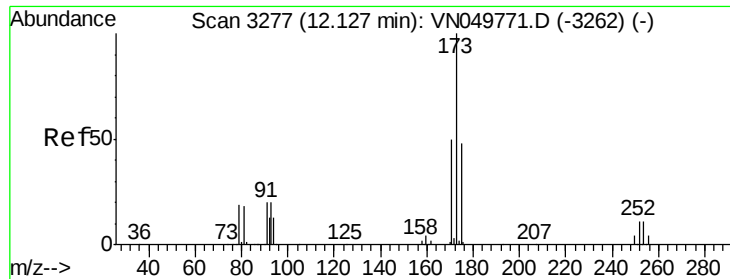
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#70
Styrene
Concen: 20.52 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. -0.00 min
Lab File: VN049770.D
Acq: 12 Jul 2018 11:39

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	48.8	39.2	58.8	
103	55.5	44.6	67.0	





#71

Bromoform

Concen: 22.65 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. -0.00 min

Lab File: VN049770.D

Acq: 12 Jul 2018 11:39

Instrument :

MSVOA_N

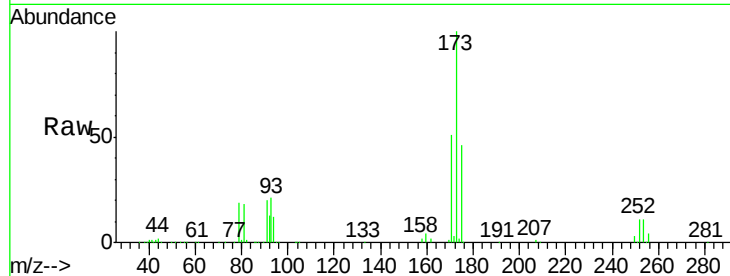
ClientSampleId :

VSTDIC020

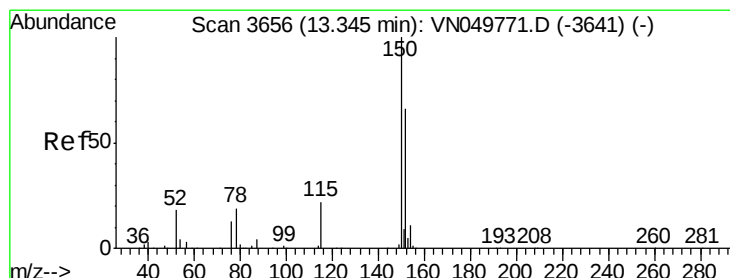
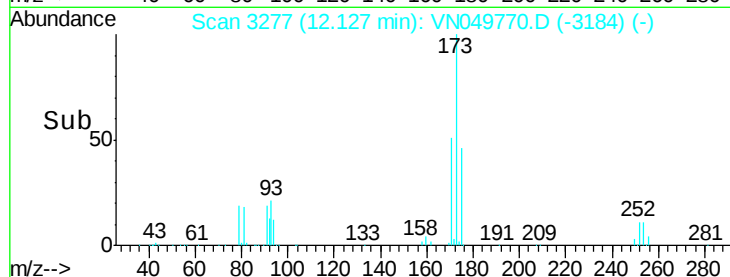
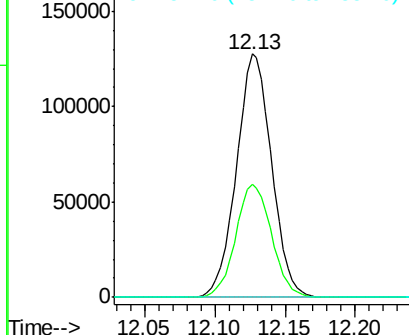
Tot Ion	Ratio	Lower	Upper
173	100		
175	47.3	24.6	73.8
254	0.0	0.2	0.2

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

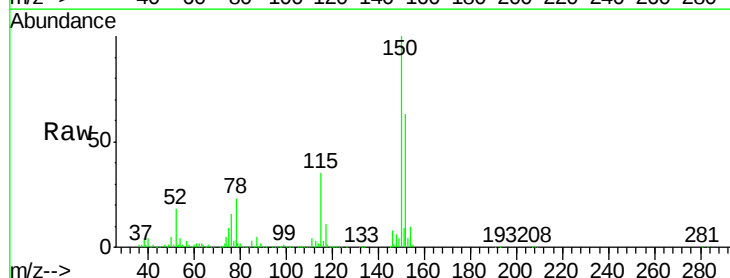
RT: 13.35 min Scan# 3656

Delta R.T. -0.00 min

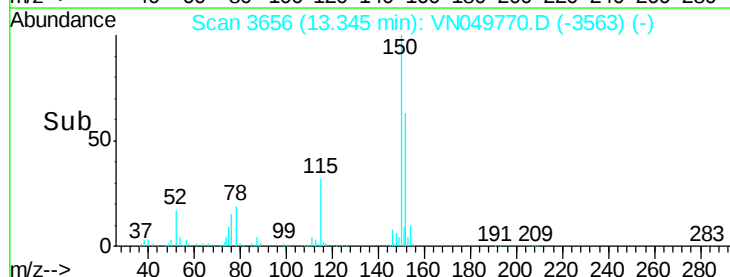
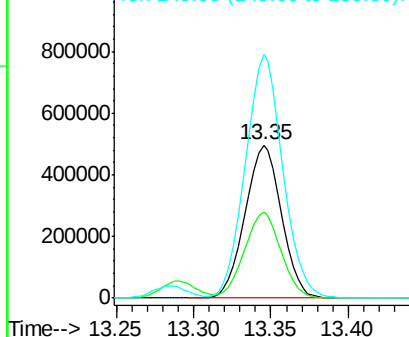
Lab File: VN049770.D

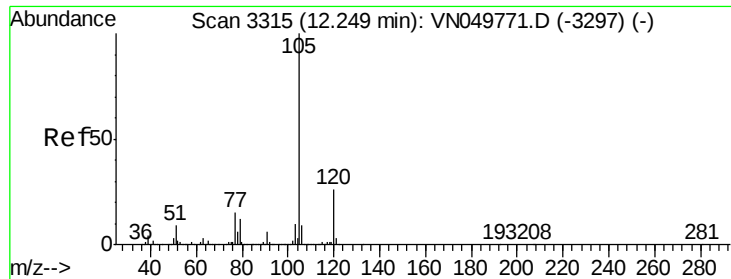
Acq: 12 Jul 2018 11:39

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.3	28.1	84.2
150	164.4	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: 21.33 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049770.D

Acq: 12 Jul 2018 11:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 1378239

Ion Ratio Lower Upper

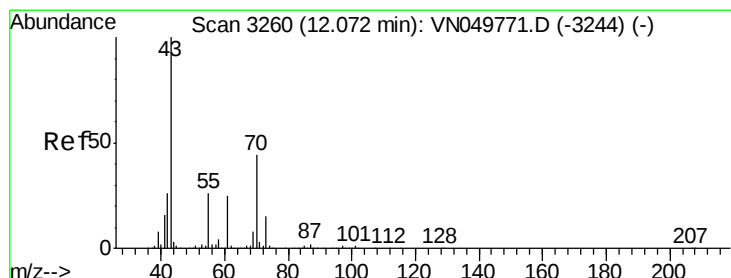
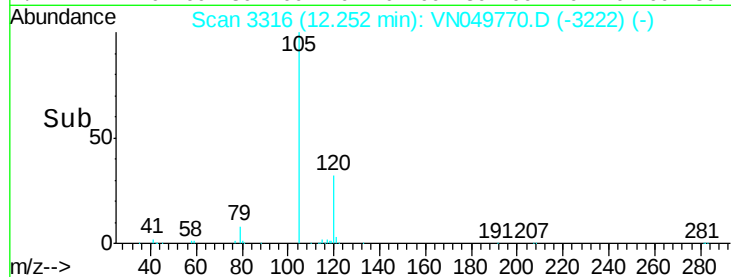
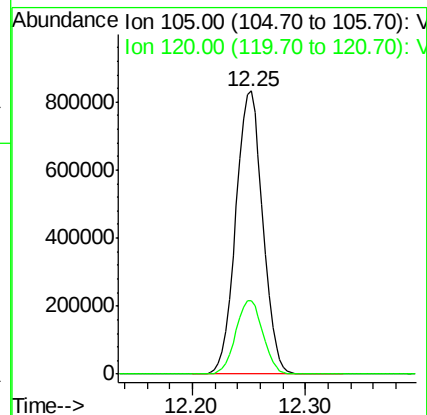
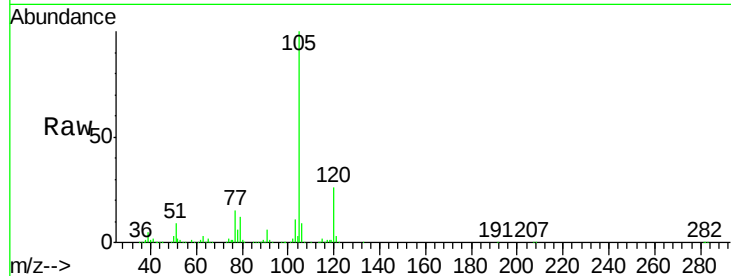
105 100

120 26.3 13.3 39.8

Manual Integrations
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#74

N-ethyl acetate

Concen: 20.90 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN049770.D

Acq: 12 Jul 2018 11:39

Tgt Ion: 43 Resp: 368969

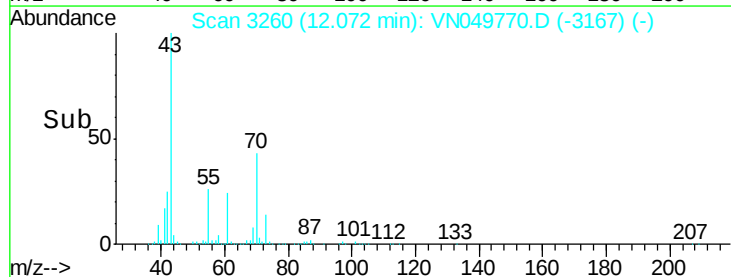
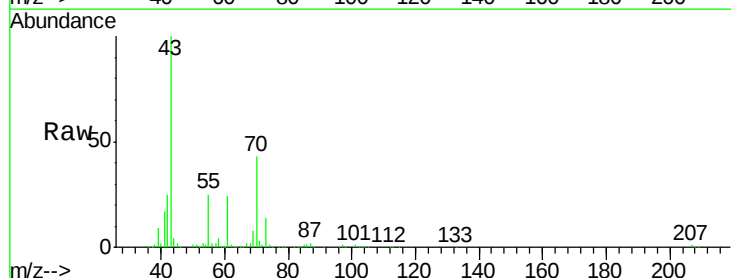
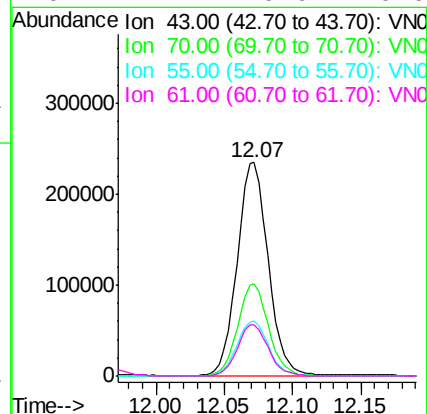
Ion Ratio Lower Upper

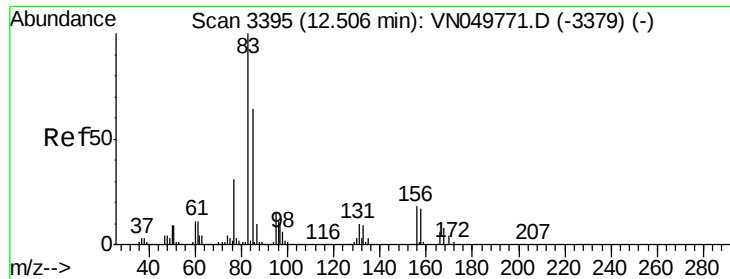
43 100

70 43.1 34.8 52.2

55 26.5 20.9 31.3

61 24.4 19.9 29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 23.74 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. -0.00 min

Lab File: VN049770.D

Acq: 12 Jul 2018 11:39

Instrument :

MSVOA_N

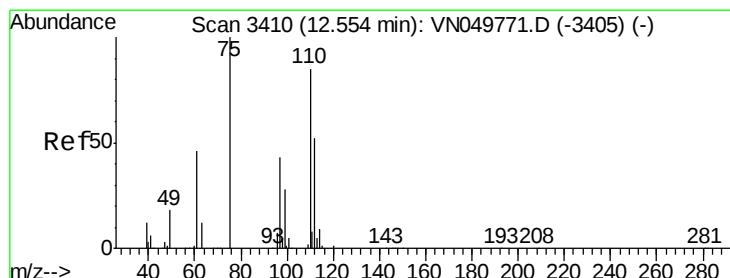
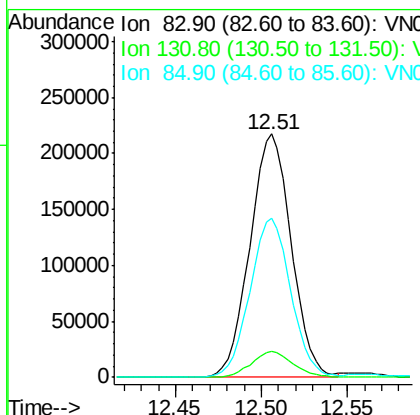
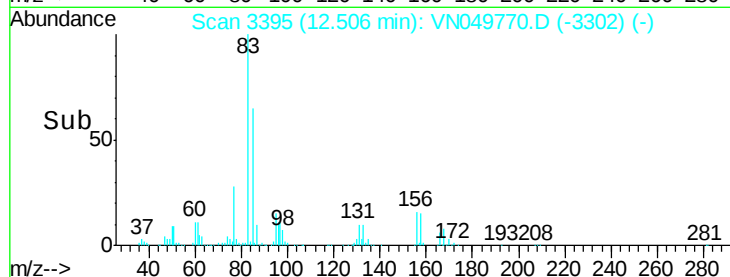
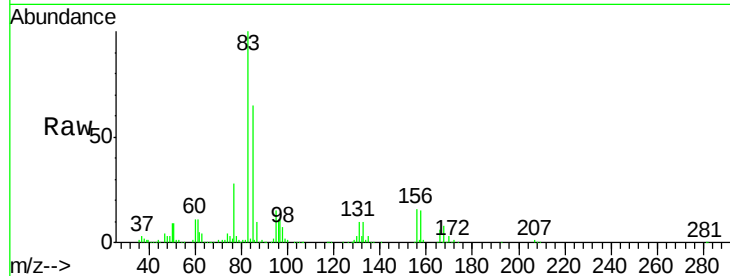
ClientSampled :

VSTDIC020

Tot Ion:	83	Resp:	362277
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.2	15.6
85	64.6	32.5	97.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 23.21 ug/l m

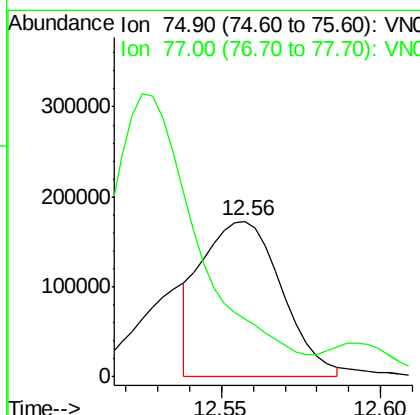
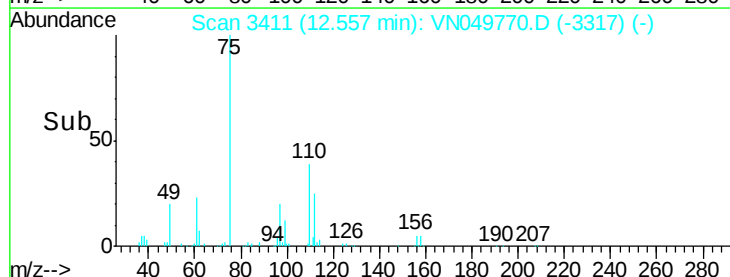
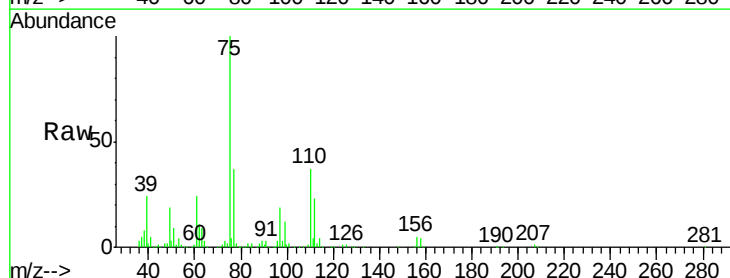
RT: 12.56 min Scan# 3411

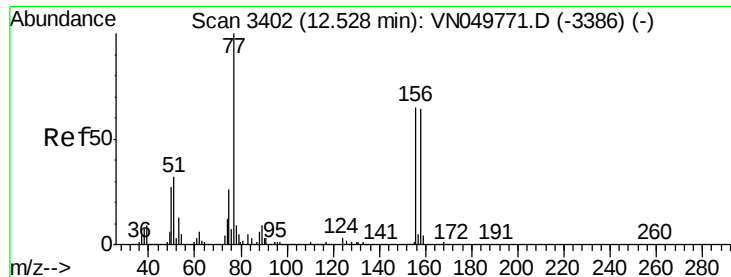
Delta R.T. 0.00 min

Lab File: VN049770.D

Acq: 12 Jul 2018 11:39

Tgt Ion:	75	Resp:	301984
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.00 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. -0.00 min

Lab File: VN049770.D

Acq: 12 Jul 2018 11:39

Instrument :

MSVOA_N

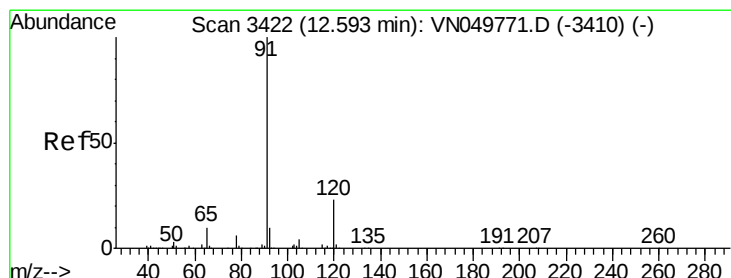
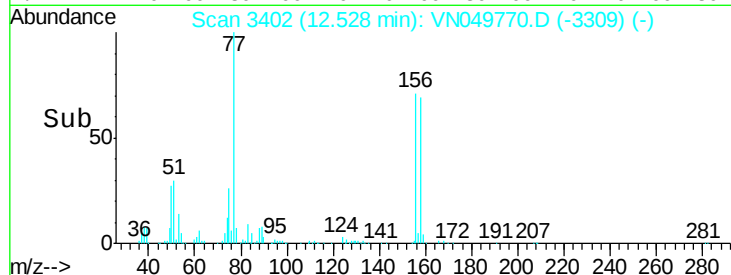
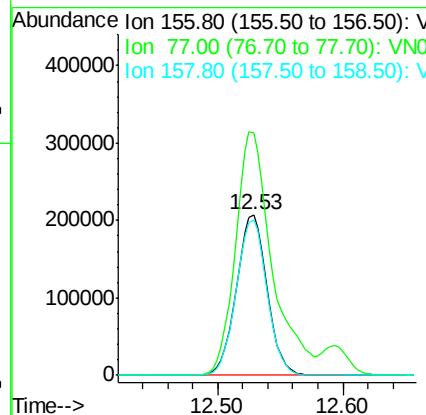
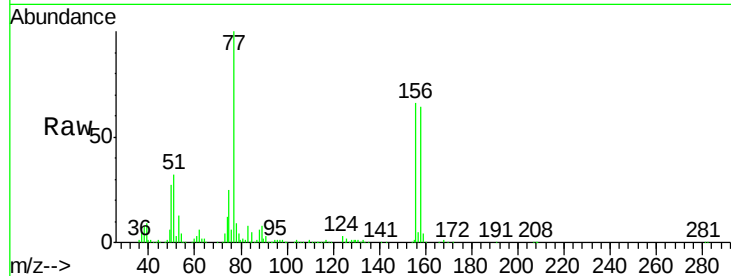
ClientSampleId :

VSTDIC020

Tot Ion:	156	Resp:	351398
Ion Ratio	Lower	Upper	
156	100		
77	180.9	90.2	270.6
158	97.2	49.1	147.3

Manual Integrations
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#78

n-propylbenzene

Concen: 21.06 ug/l

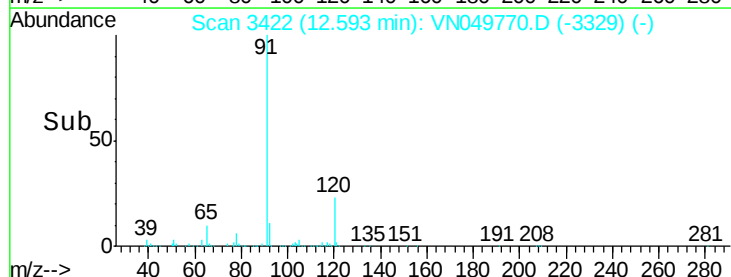
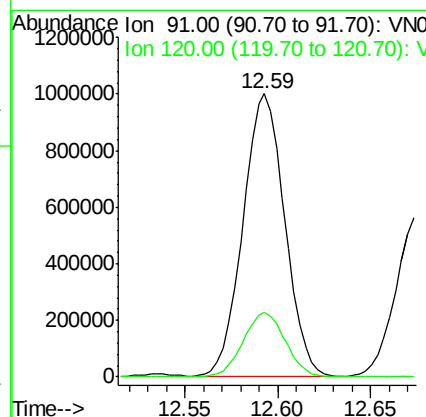
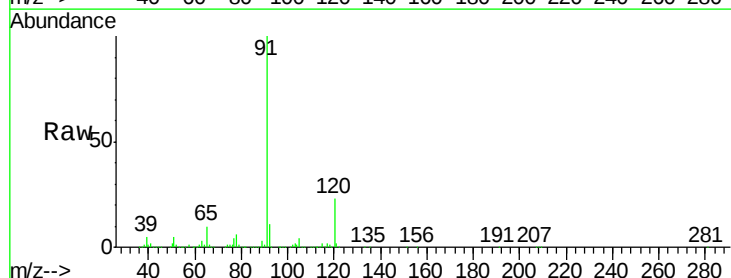
RT: 12.59 min Scan# 3422

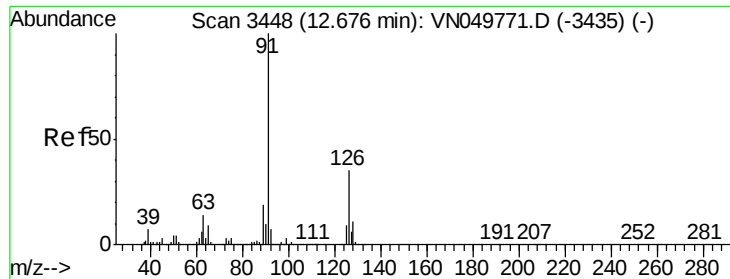
Delta R.T. -0.00 min

Lab File: VN049770.D

Acq: 12 Jul 2018 11:39

Tgt Ion:	91	Resp:	1560092
Ion Ratio	Lower	Upper	
91	100		
120	23.1	11.5	34.4





#79

2-Chlorotoluene

Concen: 20.39 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. -0.00 min

Lab File: VN049770.D

Acq: 12 Jul 2018 11:39

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 91 Resp: 955616

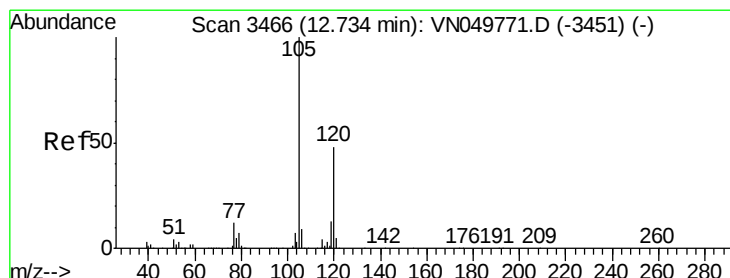
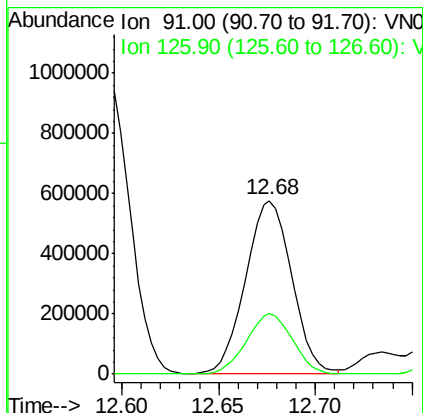
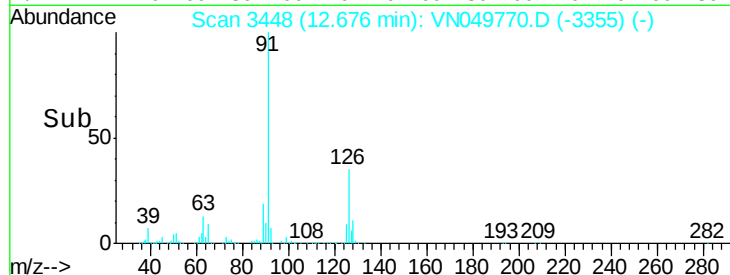
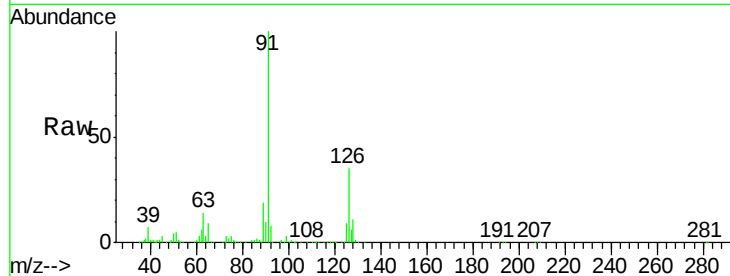
Ion Ratio Lower Upper

91 100

126 34.8 17.5 52.5

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 20.93 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN049770.D

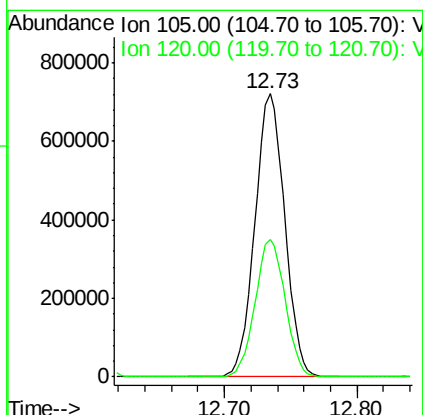
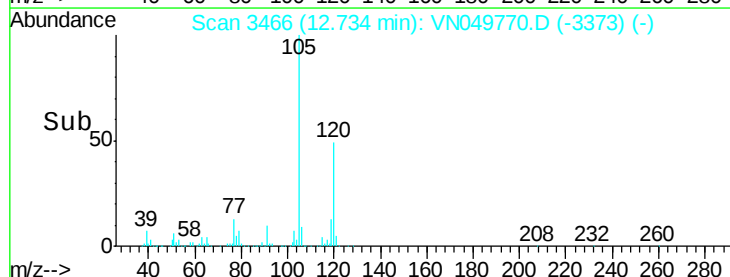
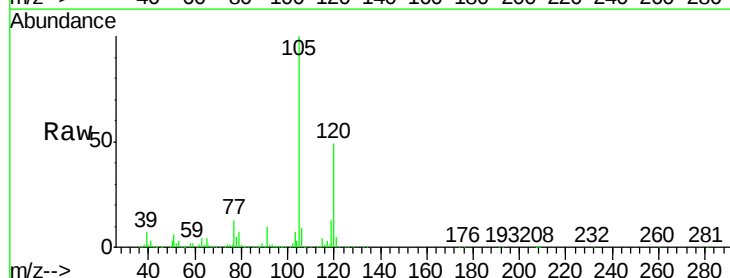
Acq: 12 Jul 2018 11:39

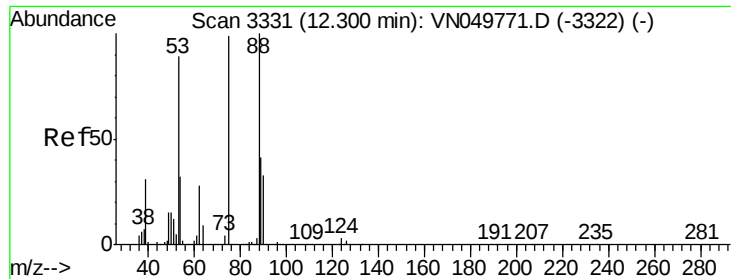
Tgt Ion: 105 Resp: 1123891

Ion Ratio Lower Upper

105 100

120 48.9 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 23.35 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN049770.D

Acq: 12 Jul 2018 11:39

Instrument :

MSVOA_N

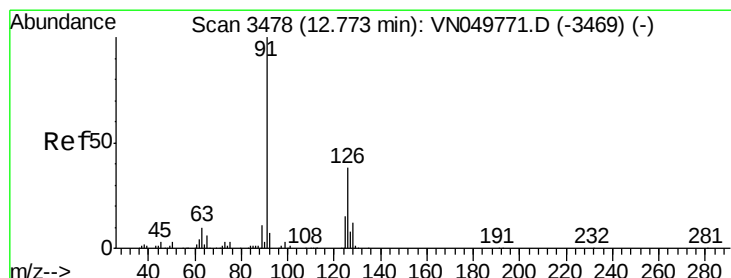
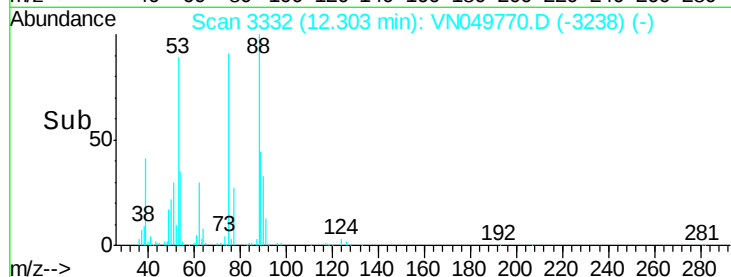
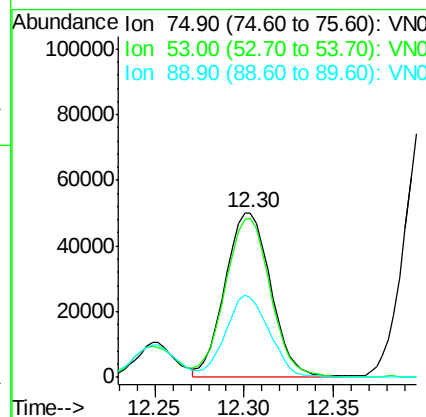
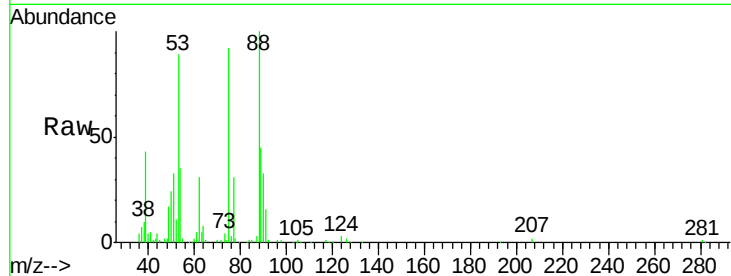
ClientSampled :

VSTDIC020

Tot Ion:	75	Resp:	89460
Ion	Ratio	Lower	Upper
75	100		
53	95.1	73.9	110.9
89	47.3	35.9	53.9

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.42 ug/l

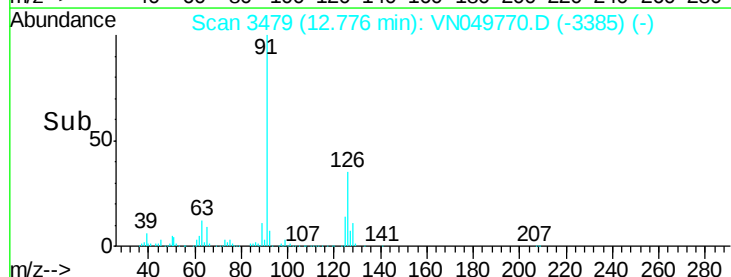
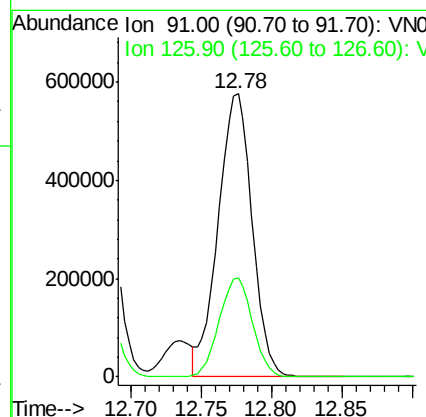
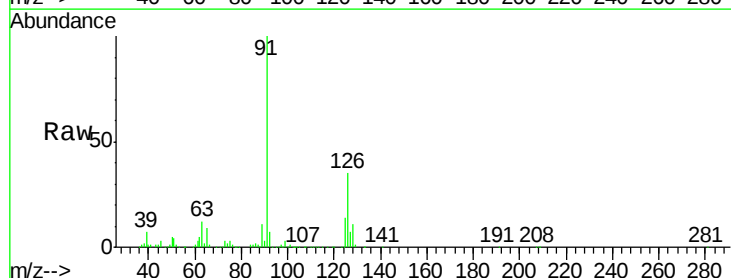
RT: 12.78 min Scan# 3479

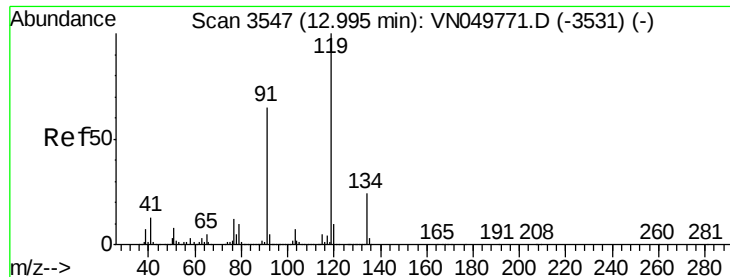
Delta R.T. 0.00 min

Lab File: VN049770.D

Acq: 12 Jul 2018 11:39

Tgt Ion:	91	Resp:	962404
Ion	Ratio	Lower	Upper
91	100		
126	34.3	17.2	51.6





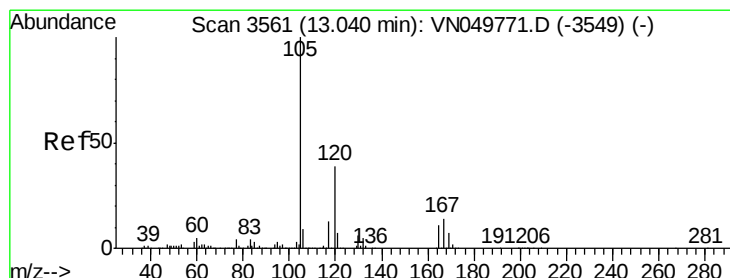
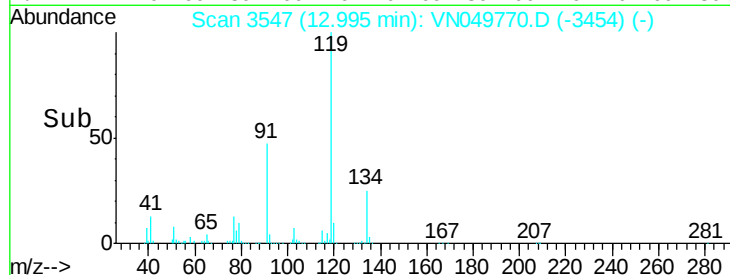
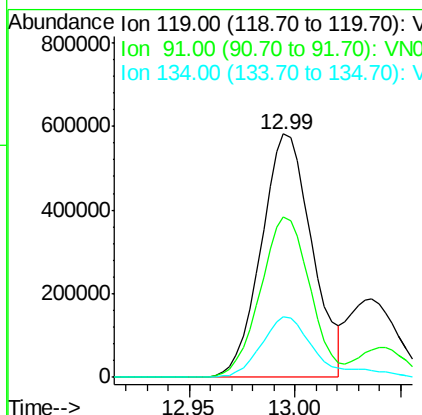
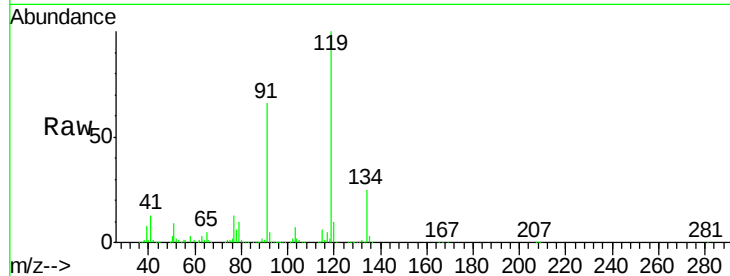
#83
 tert-Butylbenzene
 Concen: 21.09 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN049770.D
 Acq: 12 Jul 2018 11:39

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.5	32.0	96.2
134	27.0	12.8	38.4

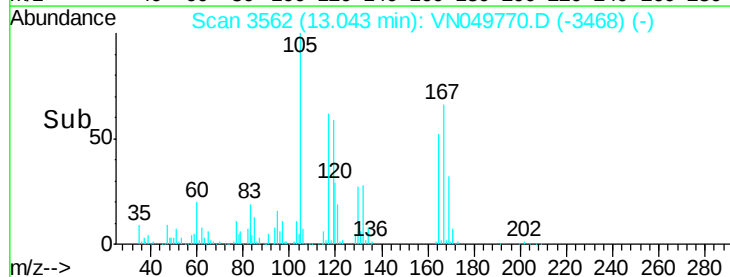
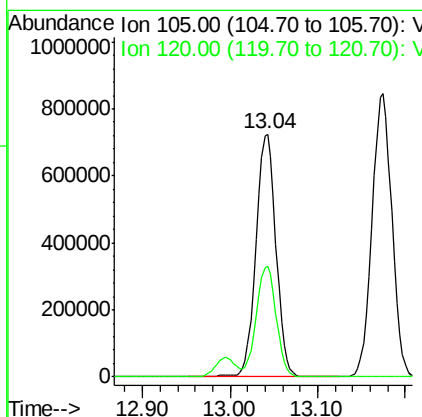
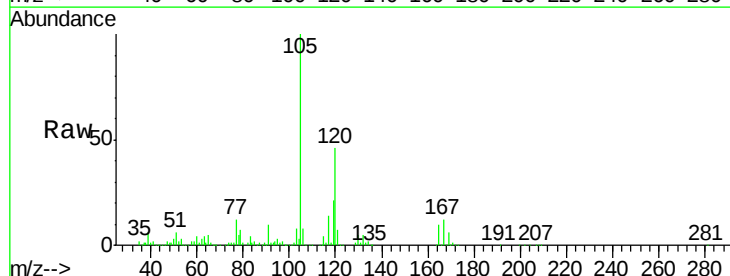
Manual Integrations
 APPROVED

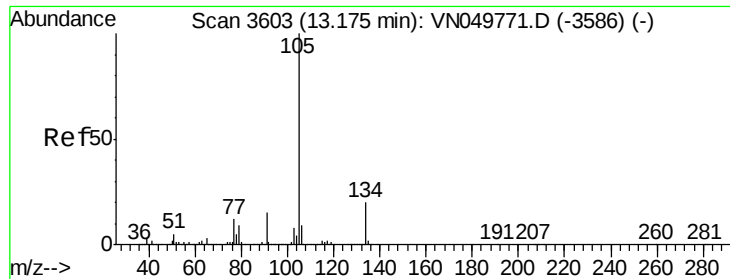
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.82 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. 0.00 min
 Lab File: VN049770.D
 Acq: 12 Jul 2018 11:39

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.3	22.7	68.1





#85

sec-Butylbenzene

Concen: 21.68 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. -0.00 min

Lab File: VN049770.D

Acq: 12 Jul 2018 11:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 1325360

Ion Ratio Lower Upper

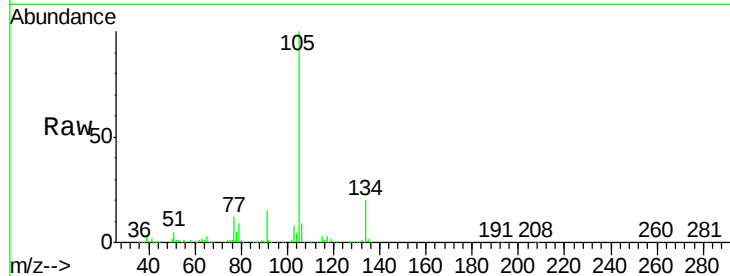
105 100

134 20.0 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

1000000

800000

600000

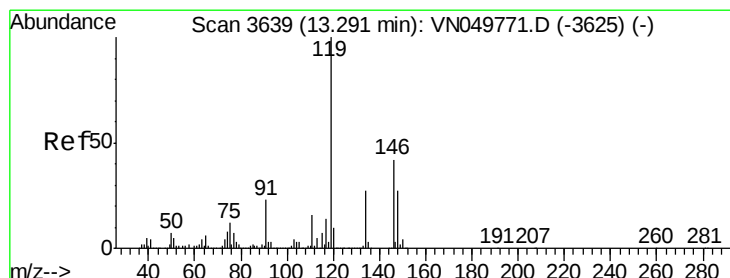
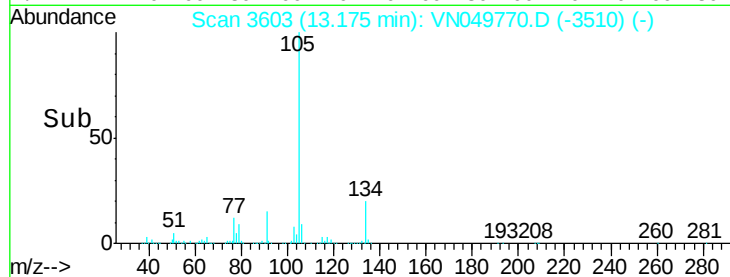
400000

200000

0

13.10 13.15 13.20 13.25

Time-->



#86

p-Isopropyltoluene

Concen: 21.33 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN049770.D

Acq: 12 Jul 2018 11:39

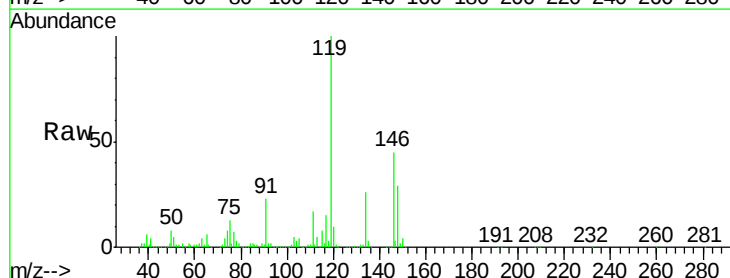
Tgt Ion:119 Resp: 1129278

Ion Ratio Lower Upper

119 100

134 25.9 13.3 39.9

91 23.1 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

1000000

800000

600000

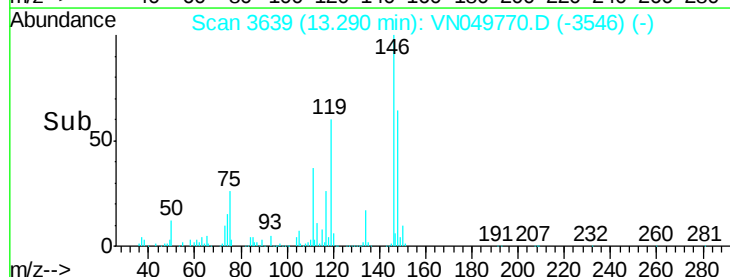
400000

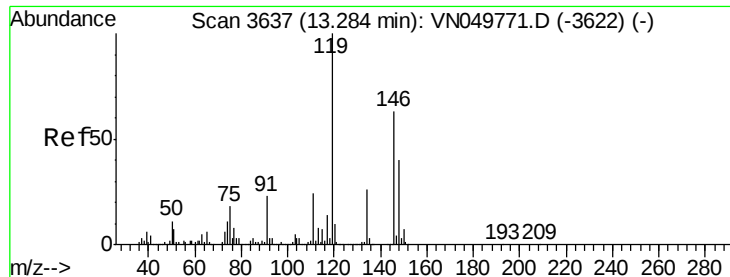
200000

0

13.20 13.25 13.30 13.35

Time-->





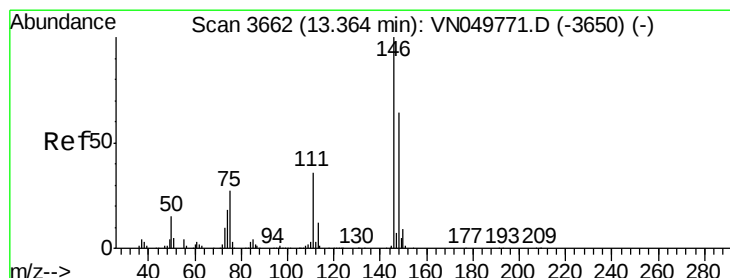
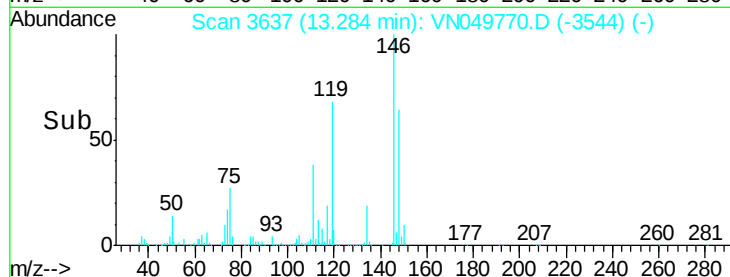
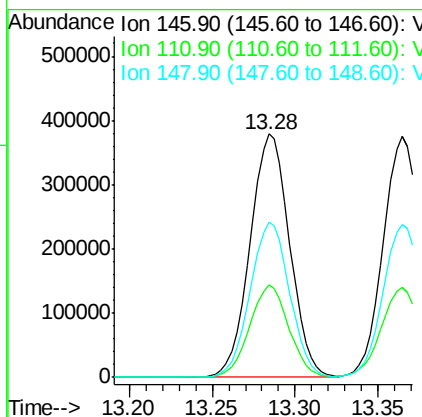
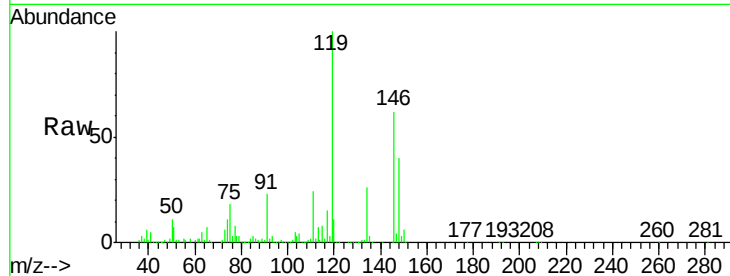
#87
 1,3-Dichlorobenzene
 Concen: 19.36 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.00 min
 Lab File: VN049770.D
 Acq: 12 Jul 2018 11:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

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

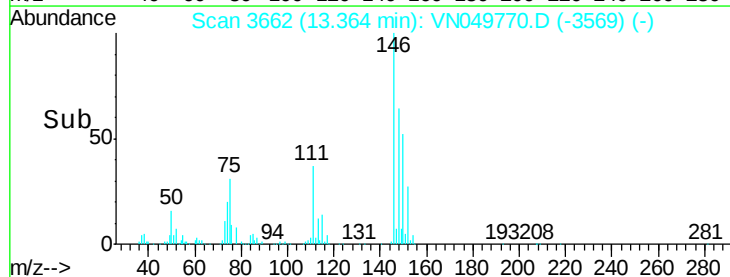
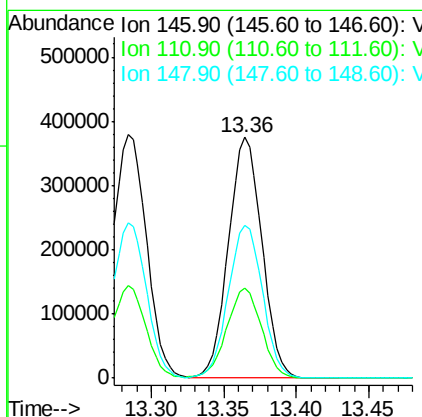
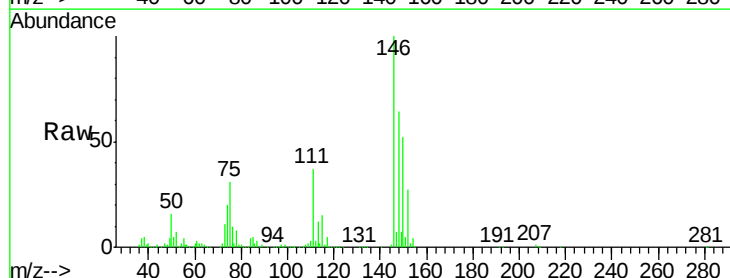
Manual Integrations
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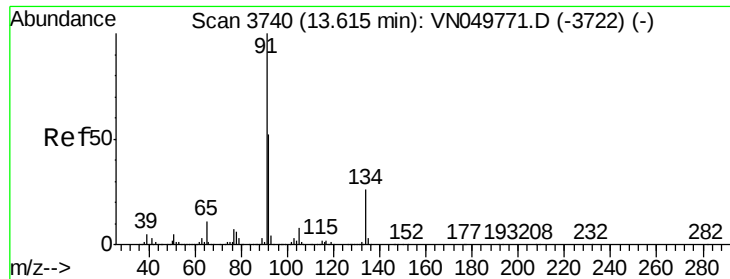
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 18.64 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VN049770.D
 Acq: 12 Jul 2018 11:39

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	18.9	56.5
148	64.5	32.1	96.3





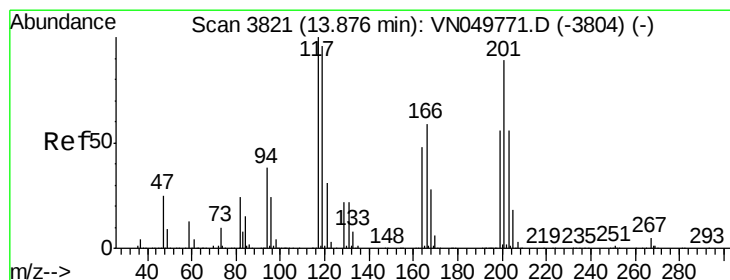
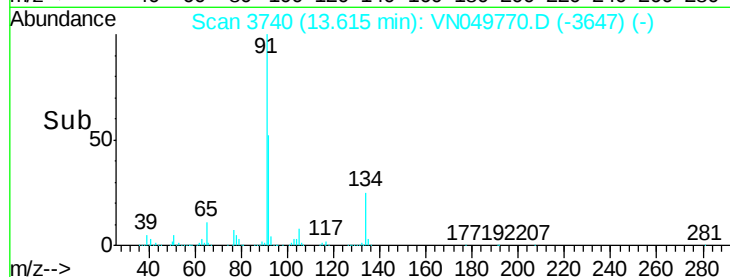
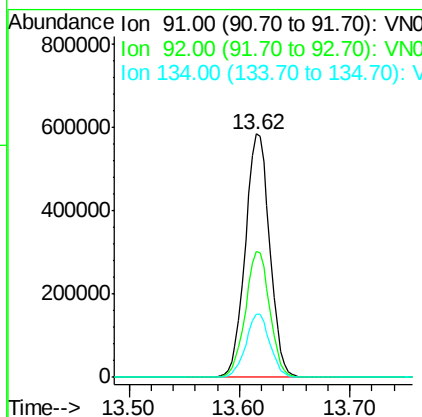
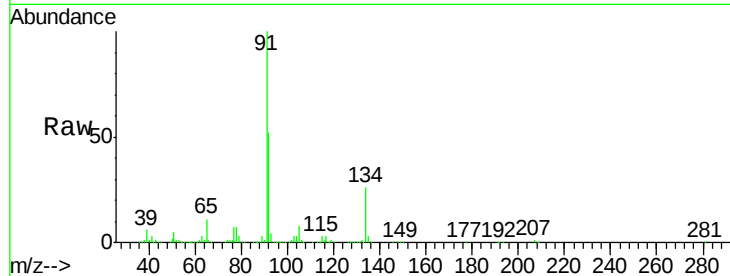
#89
n-Butylbenzene
Concen: 19.69 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN049770.D
Acq: 12 Jul 2018 11:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.3	25.8	77.3
134	25.6	13.0	38.9

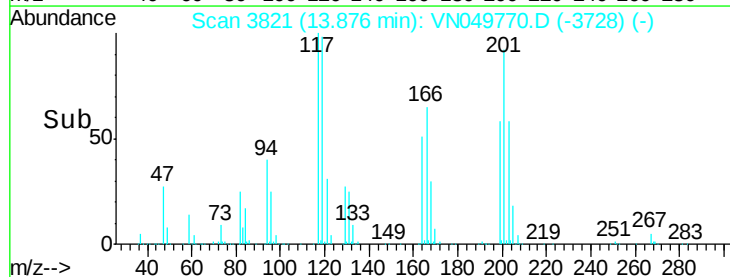
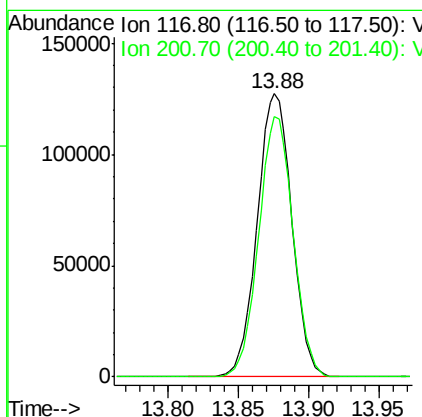
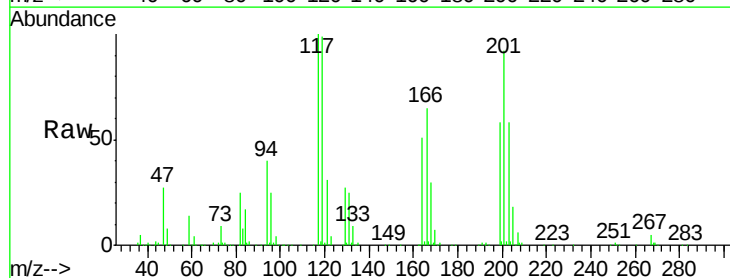
Manual Integrations
APPROVED

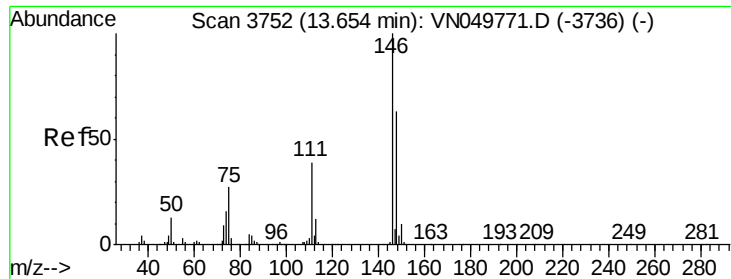
MMDadoda
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#90
Hexachloroethane
Concen: 39.29 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. -0.00 min
Lab File: VN049770.D
Acq: 12 Jul 2018 11:39

Tgt Ion	Ratio	Lower	Upper
117	100		
201	91.1	45.3	135.8





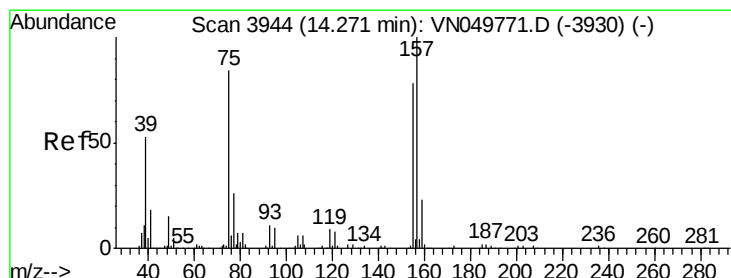
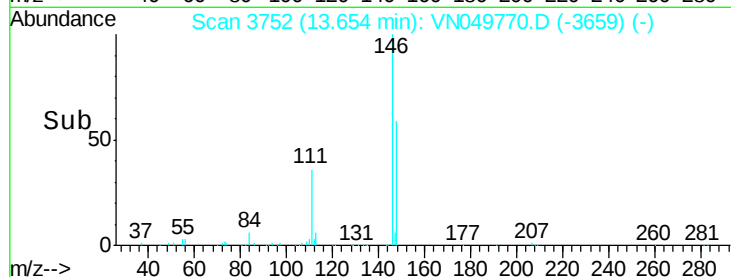
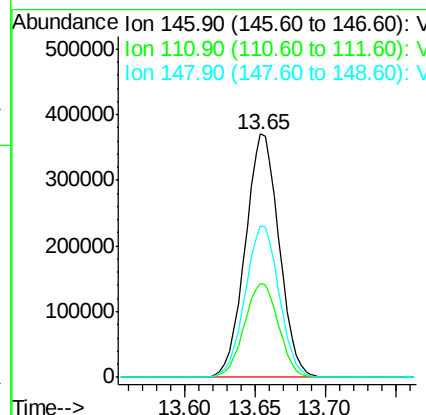
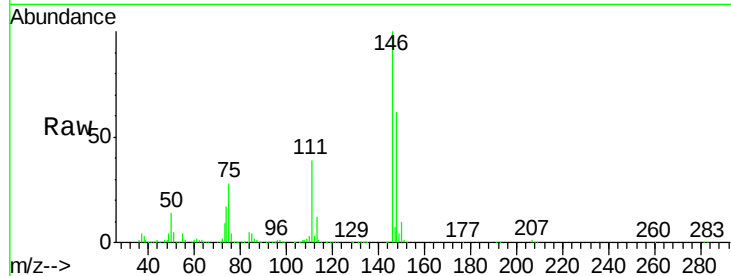
#91
 1,2-Dichlorobenzene
 Concen: 19.70 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN049770.D
 Acq: 12 Jul 2018 11:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.7	59.1
148	62.6	32.0	96.2

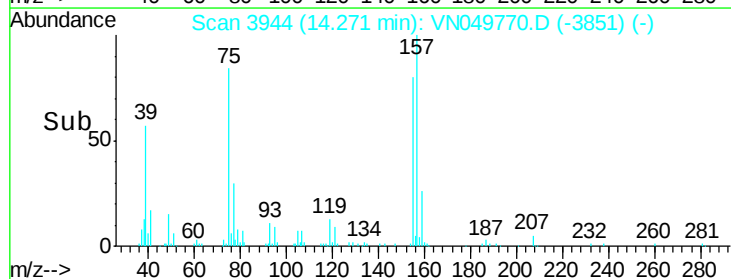
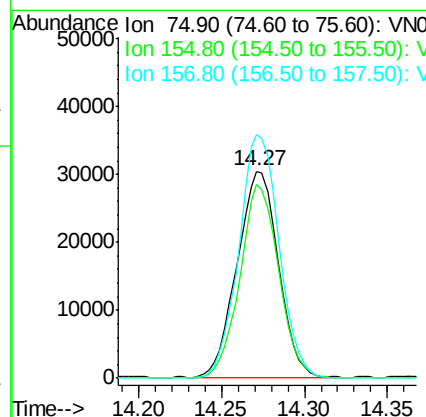
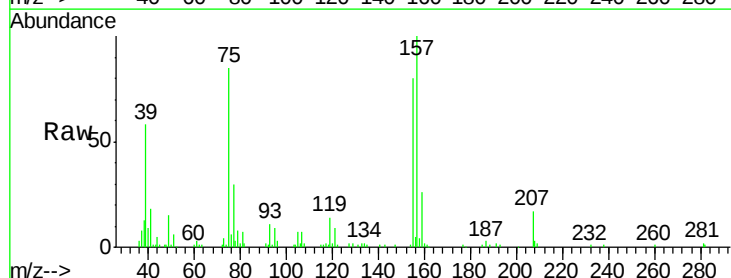
Manual Integrations
 APPROVED

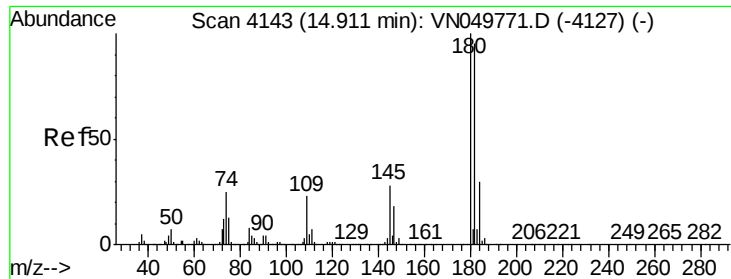
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.86 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. -0.00 min
 Lab File: VN049770.D
 Acq: 12 Jul 2018 11:39

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.9	45.7	137.1
157	114.3	56.9	170.7





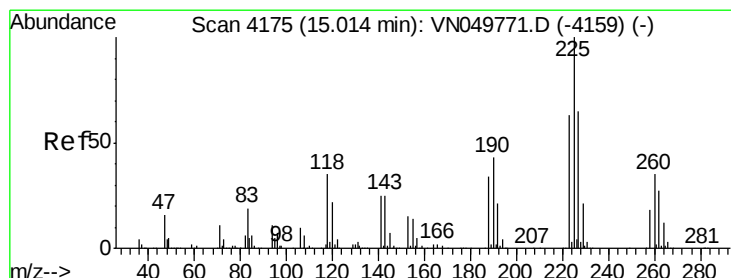
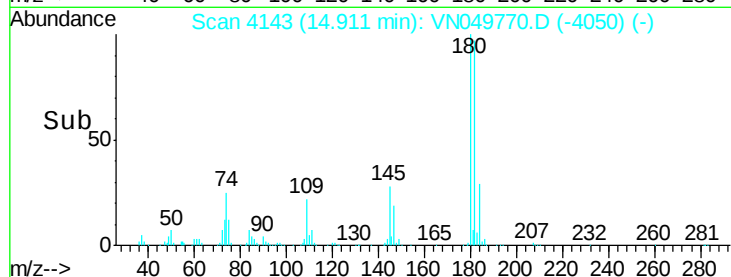
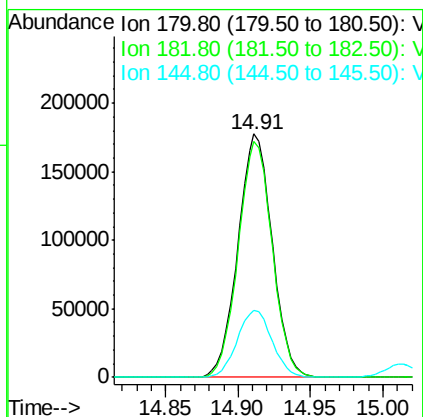
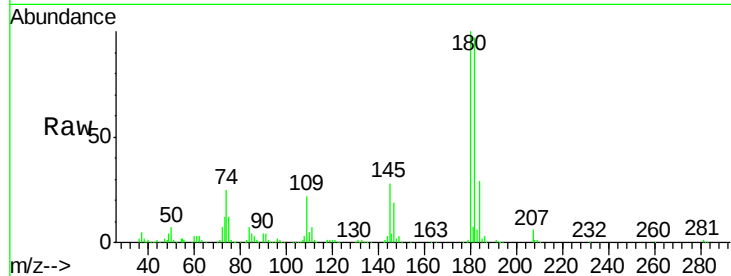
#93
1,2,4-Trichlorobenzene
Concen: 20.02 ug/l
RT: 14.91 min Scan# 4143
Delta R.T. -0.00 min
Lab File: VN049770.D
Acq: 12 Jul 2018 11:39

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	290654		
182	96.2	47.3	141.9	
145	27.9	14.4	43.0	

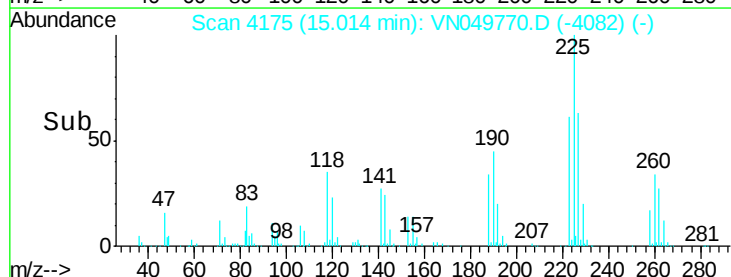
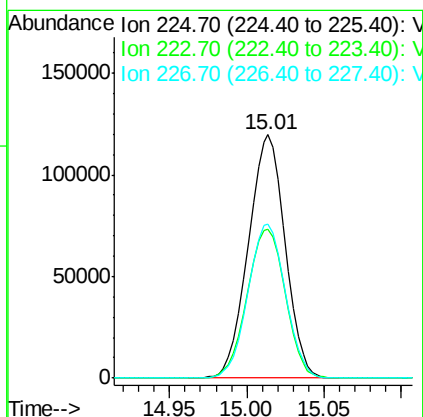
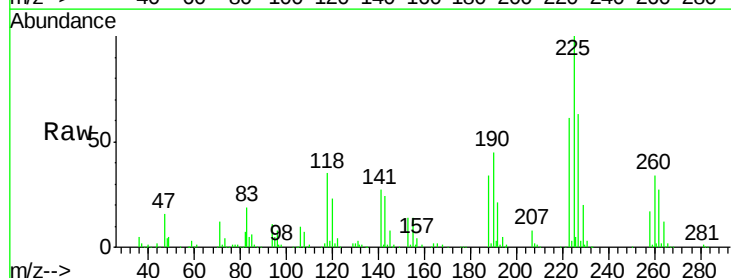
Manual Integrations
APPROVED

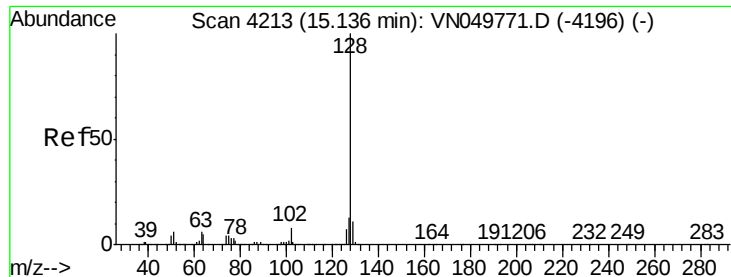
MMDadoda
7/13/2018 1:35:09 PM



#94
Hexachlorobutadiene
Concen: 19.69 ug/l
RT: 15.01 min Scan# 4175
Delta R.T. -0.00 min
Lab File: VN049770.D
Acq: 12 Jul 2018 11:39

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	198256		
223	63.7	30.9	92.7	
227	64.2	31.8	95.4	





#95

Naphthalene

Concen: 18.57 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. -0.00 min

Lab File: VN049770.D

Acq: 12 Jul 2018 11:39

Instrument :

MSVOA_N

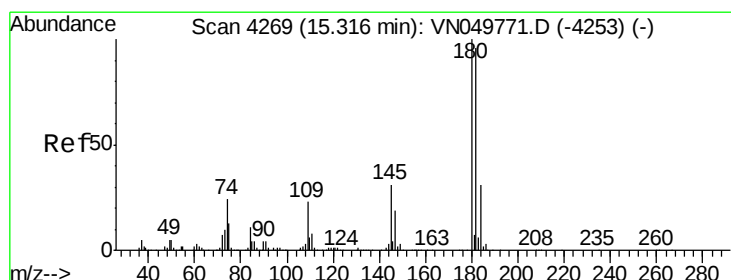
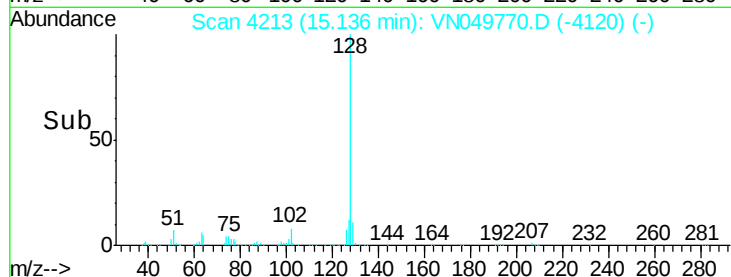
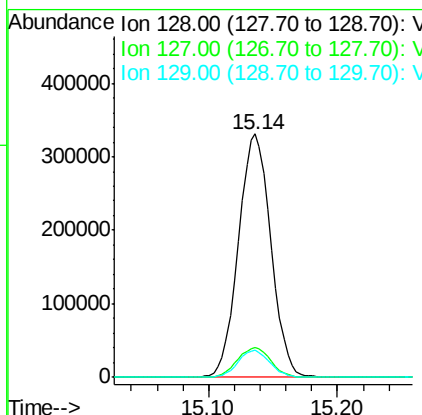
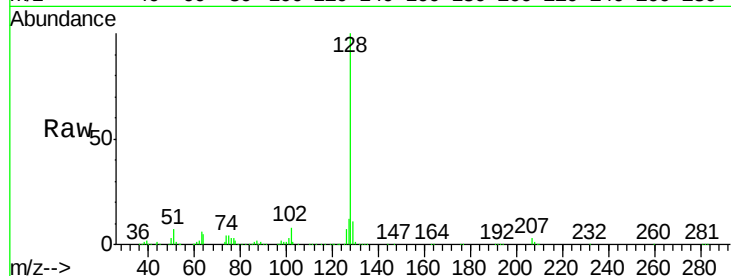
ClientSampleId :

VSTDIC020

Tot Ion:	128	Resp:	578694
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.4	15.6
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
7/13/2018 1:35:09 PM



#96

1,2,3-Trichlorobenzene

Concen: 19.63 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. -0.00 min

Lab File: VN049770.D

Acq: 12 Jul 2018 11:39

Tgt Ion:	180	Resp:	293264
Ion Ratio	Lower	Upper	
180	100		
182	96.9	47.4	142.2
145	30.3	15.2	45.6

