

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071918\
 Data File : VN049907.D
 Acq On : 19 Jul 2018 11:16
 Operator : MD\SY
 Sample : VN0719WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0719WBS01

Manual Integrations
 APPROVED

MMDadoda
 7/20/2018 11:08:02 AM

Quant Time: Jul 20 01:40:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071818W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 19 01:58:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	585672	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	857448	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	801151	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	444340	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	403223	50.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.18%	
35) Dibromofluoromethane	7.59	113	355974	49.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.90%	
50) Toluene-d8	10.09	98	1342503	51.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.38%	
62) 4-Bromofluorobenzene	12.40	95	470249	52.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	109683	19.67	ug/l	97
3) Chloromethane	2.06	50	153951	19.26	ug/l	100
4) Vinyl Chloride	2.18	62	156425	18.35	ug/l	100
5) Bromomethane	2.57	94	114390	22.96	ug/l	99
6) Chloroethane	2.71	64	100206	17.99	ug/l	100
7) Trichlorofluoromethane	3.02	101	220127	18.78	ug/l	100
8) Diethyl Ether	3.41	74	78371	19.16	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	137294	19.00	ug/l	99
10) Methyl Iodide	3.95	142	135286	13.95	ug/l	99
11) Tert butyl alcohol	4.79	59	52911	92.26	ug/l #	86
12) 1,1-Dichloroethene	3.73	96	122083	19.23	ug/l	98
13) Acrolein	3.61	56	29698	80.37	ug/l	96
14) Allyl chloride	4.32	41	193705	19.35	ug/l	99
15) Acrylonitrile	4.99	53	228127	90.45	ug/l	98
16) Acetone	3.82	43	196805	94.43	ug/l	100
17) Carbon Disulfide	4.05	76	339536	17.87	ug/l	99
18) Methyl Acetate	4.32	43	126937	18.87	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	339490	19.43	ug/l	100
20) Methylene Chloride	4.55	84	145350	18.34	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	131885	19.56	ug/l	99
22) Diisopropyl ether	5.95	45	416743	20.40	ug/l	99
23) Vinyl Acetate	5.90	43	1373770	95.86	ug/l	99
24) 1,1-Dichloroethane	5.84	63	250611	19.11	ug/l	99
25) 2-Butanone	6.84	43	278468	93.49	ug/l	98
26) 2,2-Dichloropropane	6.82	77	212071	20.79	ug/l	99
27) cis-1,2-Dichloroethene	6.82	96	146091	19.75	ug/l	98
28) Bromochloromethane	7.19	49	115951	19.58	ug/l	98
29) Tetrahydrofuran	7.21	42	172862	92.12	ug/l	99
30) Chloroform	7.37	83	260168	19.33	ug/l	100
31) Cyclohexane	7.65	56	210133	19.69	ug/l	94
32) 1,1,1-Trichloroethane	7.57	97	222844	19.15	ug/l	99
36) 1,1-Dichloropropene	7.79	75	187846	19.70	ug/l	99
37) Ethyl Acetate	6.93	43	120457	18.40	ug/l	99
38) Carbon Tetrachloride	7.77	117	197136	19.30	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	196955	20.00	ug/l	97
40) Benzene	8.04	78	576015	19.82	ug/l	99
41) Methacrylonitrile	7.17	41	59859	18.24	ug/l	93
42) 1,2-Dichloroethane	8.12	62	189261	19.66	ug/l	99
43) Isopropyl Acetate	8.16	43	224932	19.67	ug/l	99
44) Trichloroethene	8.83	130	153611	20.16	ug/l	99
45) 1,2-Dichloropropane	9.12	63	151755	19.36	ug/l	98
46) Dibromomethane	9.21	93	91804	18.88	ug/l	100
47) Bromodichloromethane	9.40	83	200802	19.97	ug/l	99
48) Methyl methacrylate	9.20	41	107157	18.68	ug/l	99
49) 1,4-Dioxane	9.20	88	30643	376.50	ug/l	92
51) 4-Methyl-2-Pentanone	9.99	43	609507	95.33	ug/l	99
52) Toluene	10.15	92	360217	20.78	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	195289	19.64	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	224628	20.44	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	137848	19.25	ug/l	98
56) Ethyl methacrylate	10.43	69	159775	18.06	ug/l	98
57) 1,3-Dichloropropane	10.71	76	220434	19.55	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	368450	88.09	ug/l	99
59) 2-Hexanone	10.75	43	420768	97.98	ug/l	98
60) Dibromochloromethane	10.90	129	150734	19.20	ug/l	100
61) 1,2-Dibromoethane	11.00	107	130135	19.45	ug/l	97
64) Tetrachloroethene	10.63	164	139453	19.37	ug/l	99
65) Chlorobenzene	11.43	112	391720	19.46	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	147662	18.94	ug/l	99
67) Ethyl Benzene	11.51	91	655582	20.08	ug/l	98
68) m/p-Xylenes	11.62	106	510677	41.31	ug/l	100
69) o-Xylene	11.95	106	240826	20.28	ug/l	99
70) Styrene	11.96	104	401737	20.89	ug/l	99
71) Bromoform	12.13	173	105688	18.95	ug/l #	100
73) Isopropylbenzene	12.25	105	652598	19.34	ug/l	100
74) N-amyl acetate	12.07	43	182991	17.81	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	172941	17.10	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	151489m	18.17	ug/l	
77) Bromobenzene	12.53	156	174301	18.70	ug/l	100
78) n-propylbenzene	12.59	91	767164	19.99	ug/l	100
79) 2-Chlorotoluene	12.67	91	456217	19.36	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	542469	20.05	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	45815	17.19	ug/l	97
82) 4-Chlorotoluene	12.77	91	469744	19.87	ug/l	100
83) tert-Butylbenzene	12.99	119	459137	19.33	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	564110	20.58	ug/l	100
85) sec-Butylbenzene	13.17	105	639181	20.36	ug/l	100
86) p-Isopropyltoluene	13.29	119	552887	20.66	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	313902	19.33	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	310605	19.08	ug/l	100
89) n-Butylbenzene	13.62	91	451502	20.43	ug/l	99
90) Hexachloroethane	13.87	117	105824	17.62	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	302637	18.95	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	26816	17.16	ug/l	96

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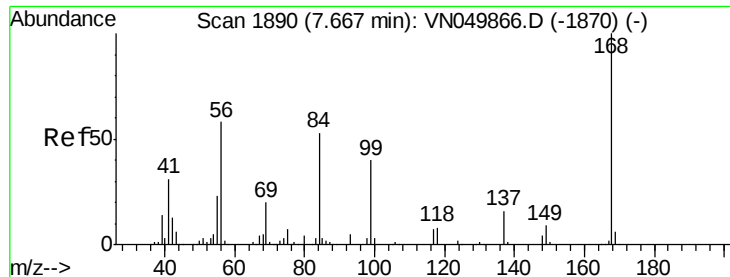
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	150084	19.34	ug/l	99
94) Hexachlorobutadiene	15.01	225	102583	19.61	ug/l	99
95) Naphthalene	15.14	128	301236	17.52	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	153616	20.05	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.66 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VN049907.D

Acq: 19 Jul 2018 11:16

Instrument :

MSVOA_N

ClientSampled :

VN0719WBS01

Tot Ion:168 Resp: 585672

Ion Ratio Lower Upper

168 100

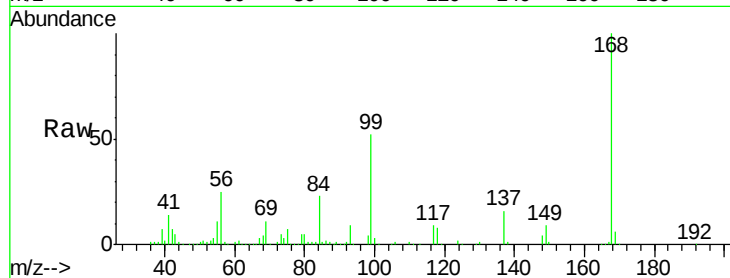
99 51.2 40.6 61.0

Manual Integrations

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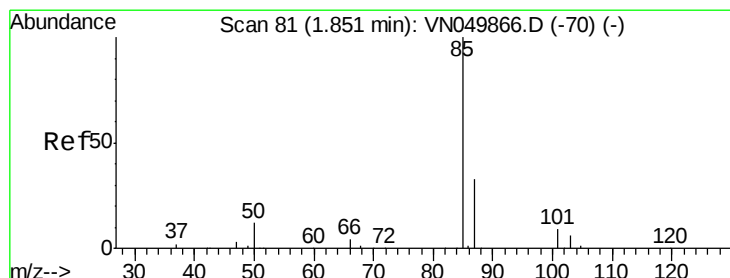
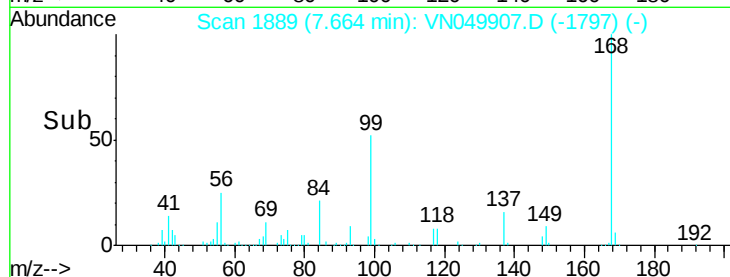
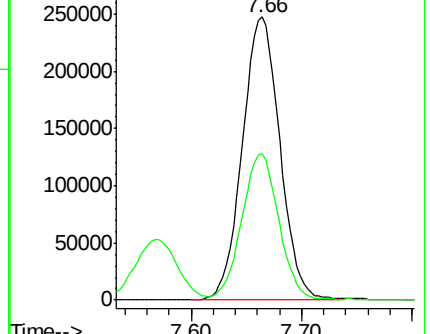
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#2

Dichlorodifluoromethane

Concen: 19.67 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN049907.D

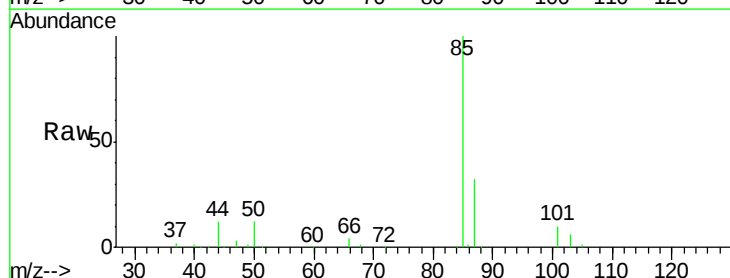
Acq: 19 Jul 2018 11:16

Tgt Ion: 85 Resp: 109683

Ion Ratio Lower Upper

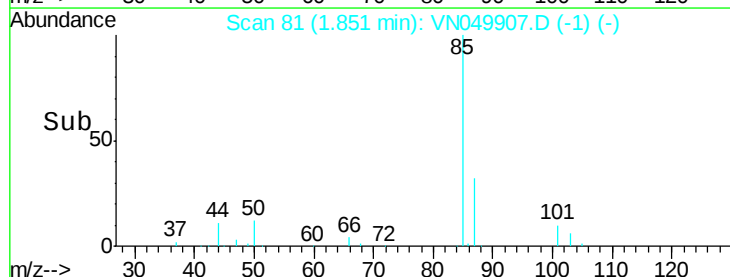
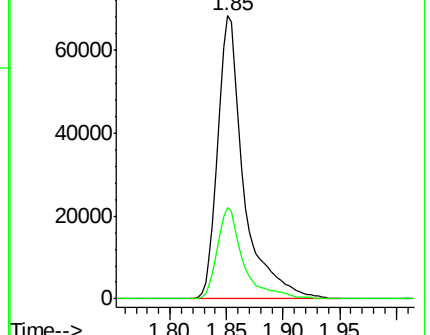
85 100

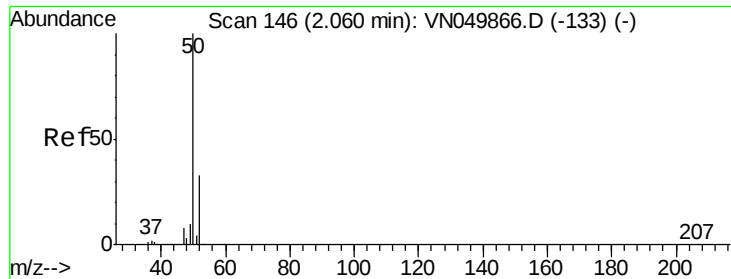
87 32.3 15.4 46.1



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0





#3

Chloromethane

Concen: 19.26 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN049907.D

Acq: 19 Jul 2018 11:16

Instrument :

MSVOA_N

ClientSampled :

VN0719WBS01

Tot Ion: 50 Resp: 153951

Ion Ratio Lower Upper

50 100

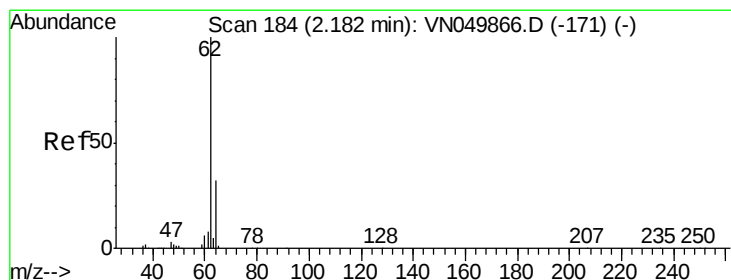
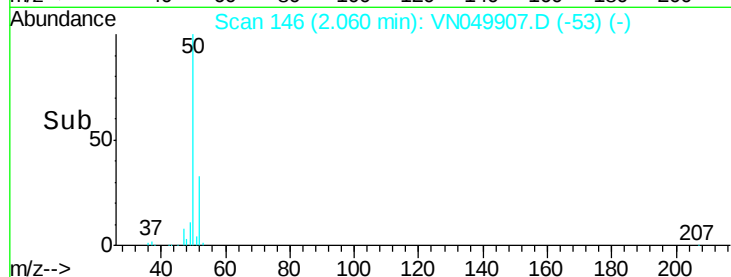
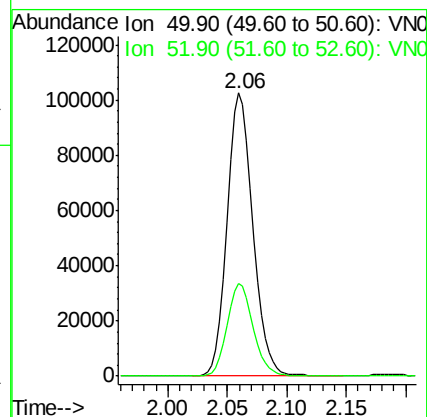
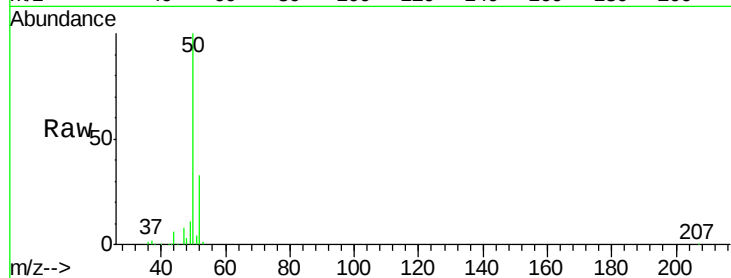
52 32.8 26.1 39.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.35 ug/l

RT: 2.18 min Scan# 185

Delta R.T. 0.00 min

Lab File: VN049907.D

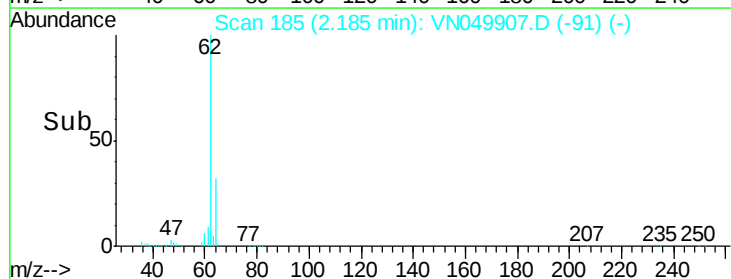
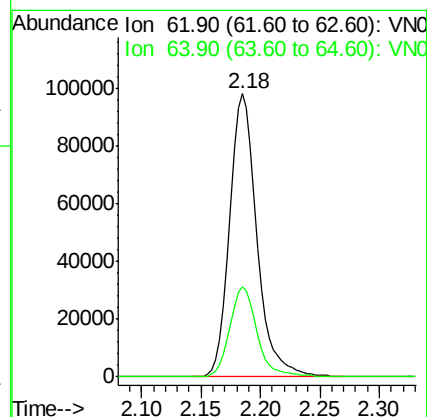
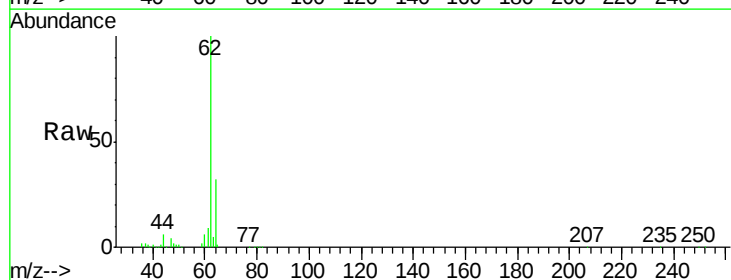
Acq: 19 Jul 2018 11:16

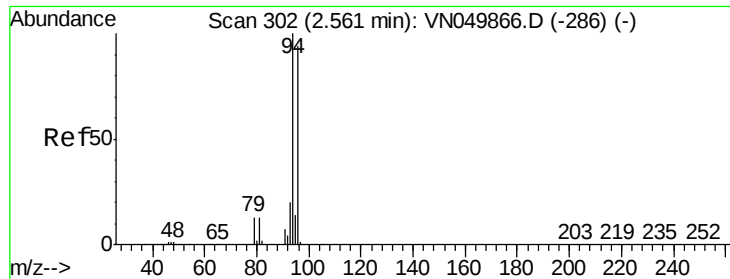
Tgt Ion: 62 Resp: 156425

Ion Ratio Lower Upper

62 100

64 32.0 25.4 38.0





#5

Bromomethane

Concen: 22.96 ug/l

RT: 2.57 min Scan# 305

Delta R.T. 0.01 min

Lab File: VN049907.D

Acq: 19 Jul 2018 11:16

Instrument :

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ClientSampleId :

VN0719WBS01

Tot Ion: 94 Resp: 114390

Ion Ratio Lower Upper

94 100

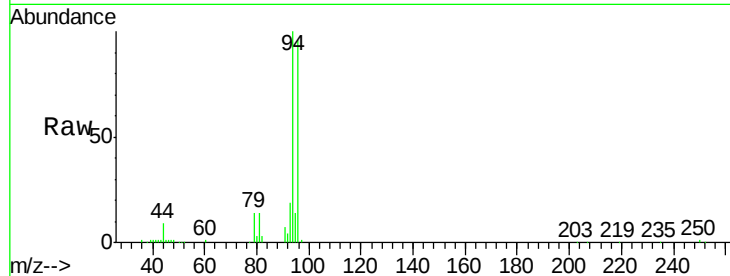
96 95.7 75.7 113.5

Manual Integrations

APPROVED

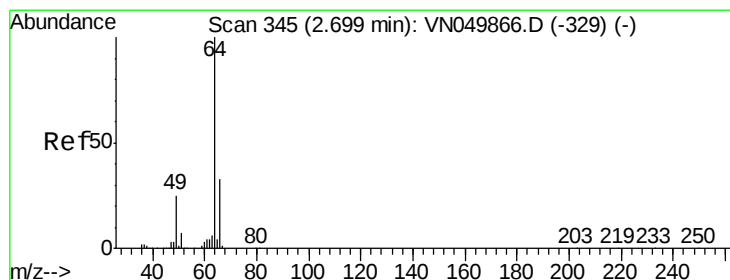
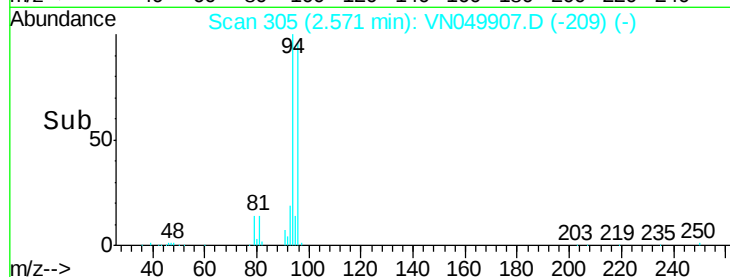
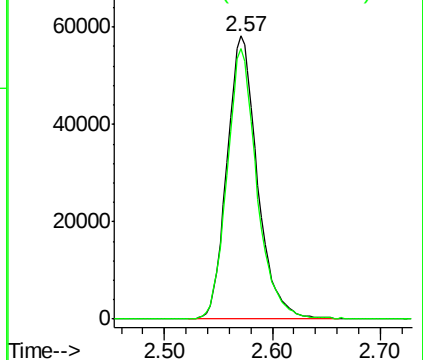
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 17.99 ug/l

RT: 2.71 min Scan# 347

Delta R.T. 0.01 min

Lab File: VN049907.D

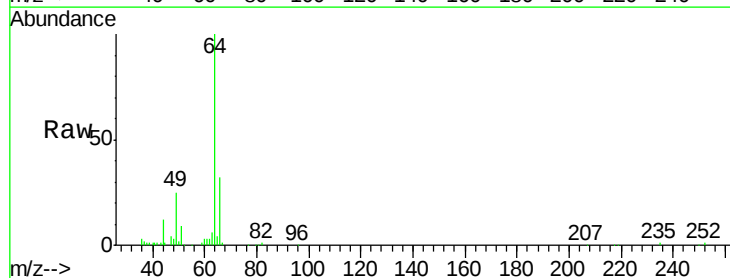
Acq: 19 Jul 2018 11:16

Tgt Ion: 64 Resp: 100206

Ion Ratio Lower Upper

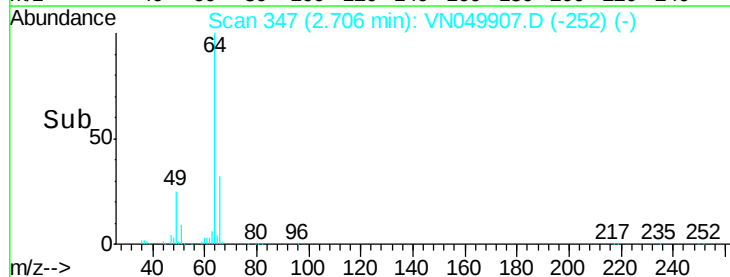
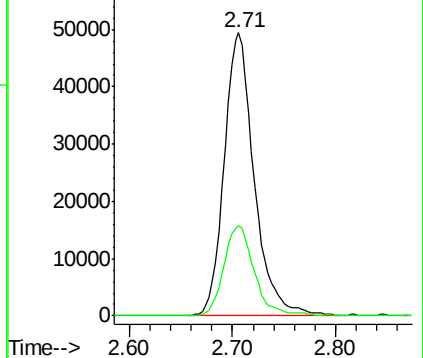
64 100

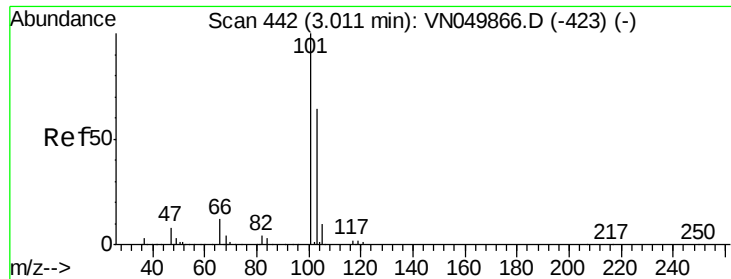
66 31.9 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

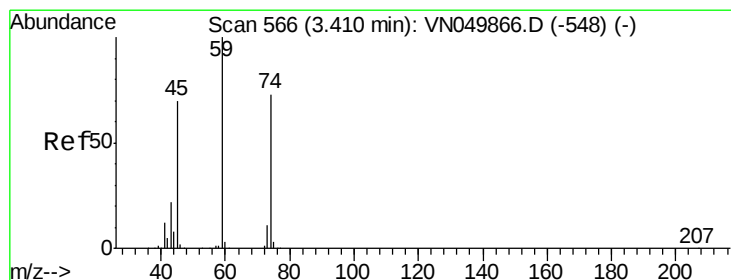
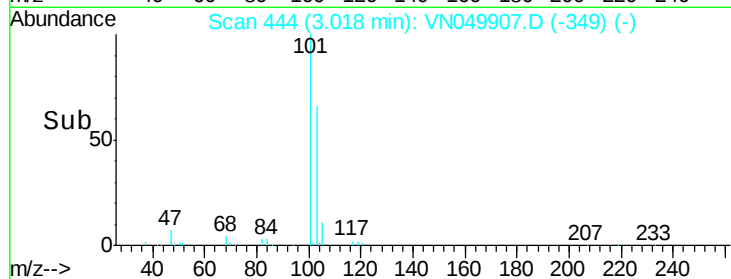
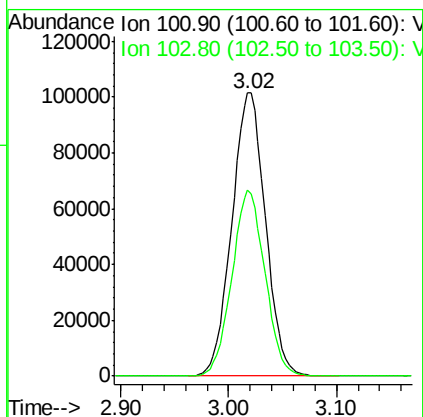
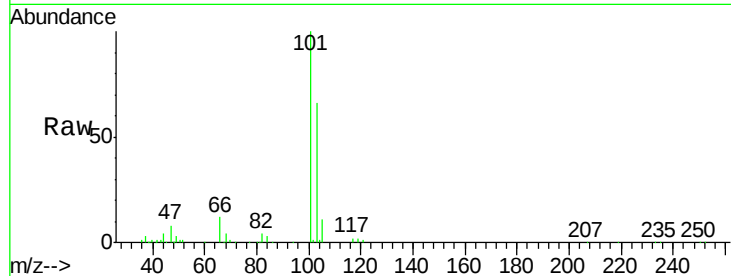
Trichlorofluoromethane
Concen: 18.78 ug/l
RT: 3.02 min Scan# 444
Delta R.T. 0.01 min
Lab File: VN049907.D
Acq: 19 Jul 2018 11:16

Instrument :
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VN0719WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.7	52.8	79.2

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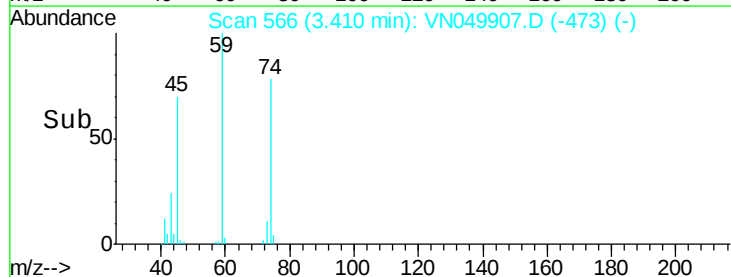
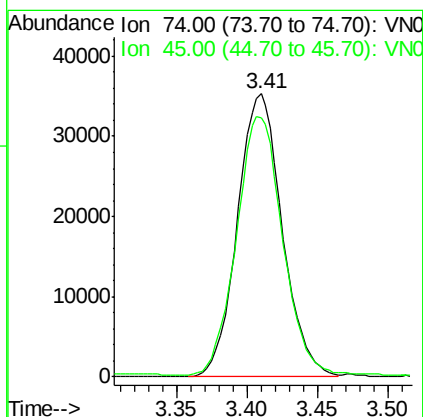
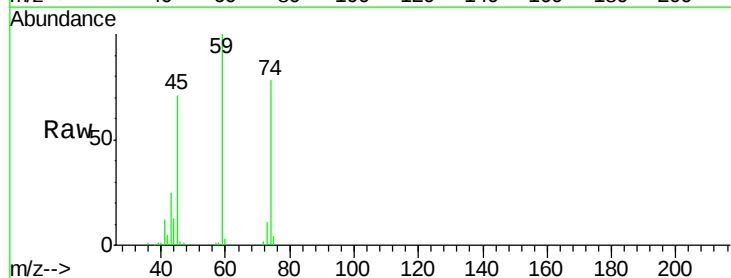
MMDadoda
7/20/2018 11:08:02 AM

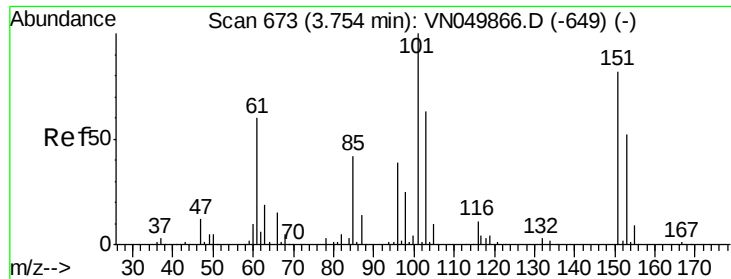


#8

Diethyl Ether
Concen: 19.16 ug/l
RT: 3.41 min Scan# 566
Delta R.T. 0.00 min
Lab File: VN049907.D
Acq: 19 Jul 2018 11:16

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.6	48.4	145.2





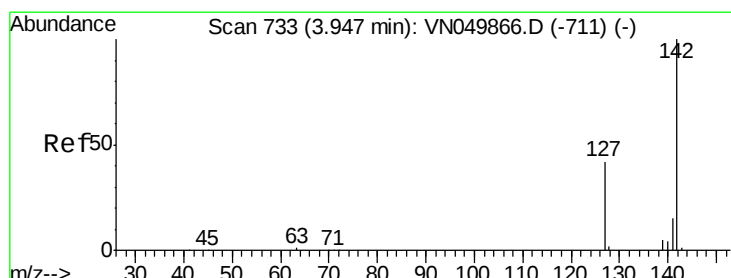
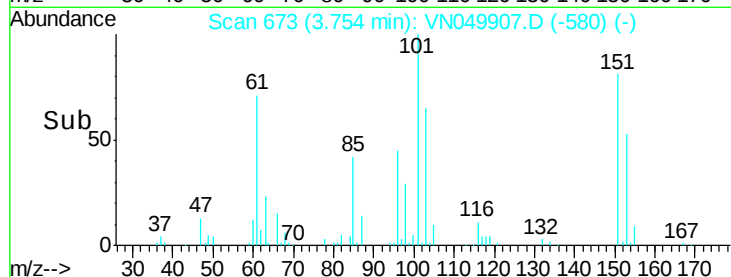
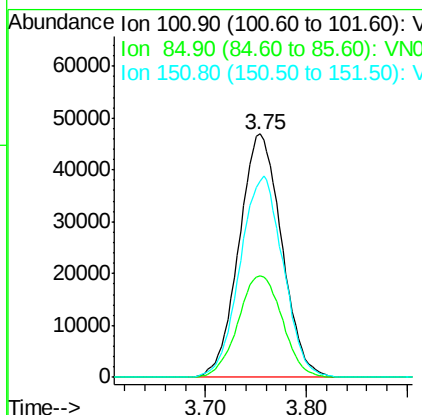
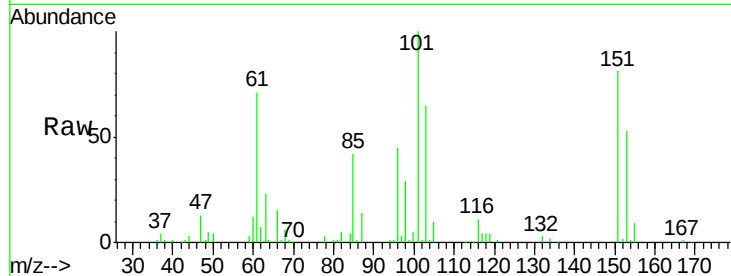
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.00 ug/l
RT: 3.75 min Scan# 673
Delta R.T. 0.00 min
Lab File: VN049907.D
Acq: 19 Jul 2018 11:16

Instrument :
MSVOA_N
ClientSampleId :
VN0719WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
85	43.3	34.4	51.6
151	83.7	66.2	99.4

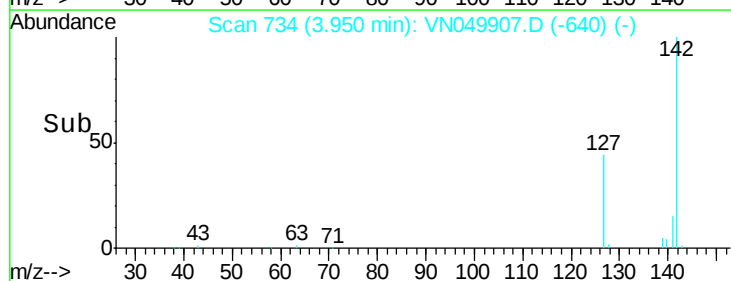
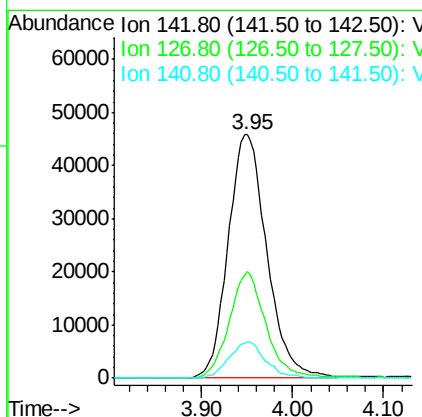
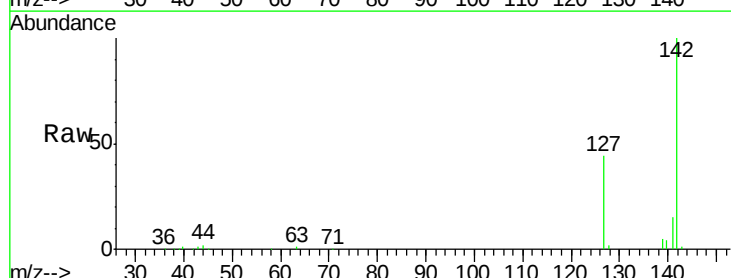
Manual Integrations
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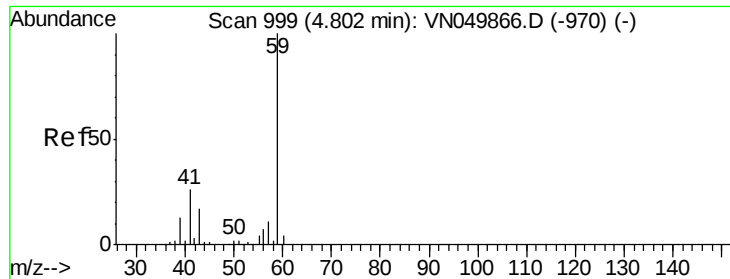
MMDadoda
7/20/2018 11:08:02 AM



#10
Methyl Iodide
Concen: 13.95 ug/l
RT: 3.95 min Scan# 734
Delta R.T. 0.00 min
Lab File: VN049907.D
Acq: 19 Jul 2018 11:16

Tgt Ion	Ratio	Lower	Upper
142	100		
127	41.1	32.5	48.7
141	14.0	11.1	16.7





#11

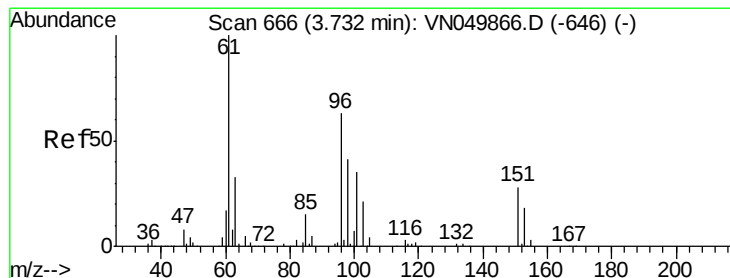
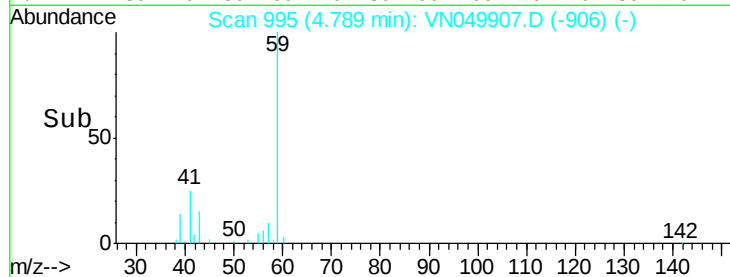
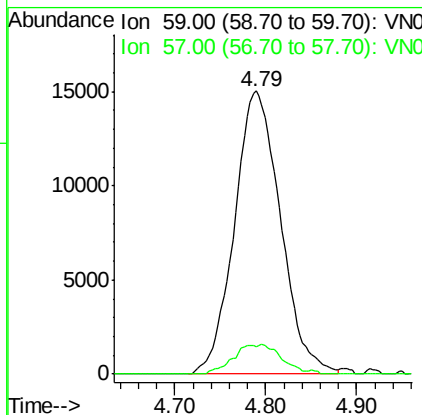
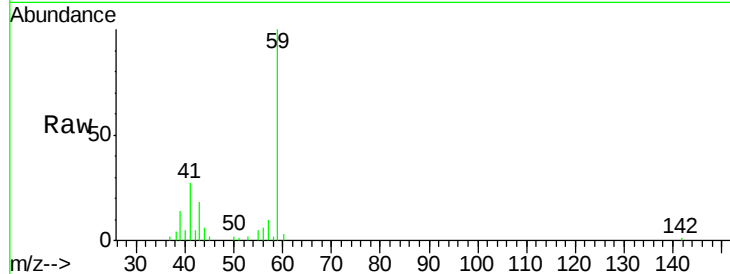
Tert butyl alcohol
 Concen: 92.26 ug/l
 RT: 4.79 min Scan# 995
 Delta R.T. -0.01 min
 Lab File: VN049907.D
 Acq: 19 Jul 2018 11:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0719WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	5.4	8.5	12.7#

Manual Integrations
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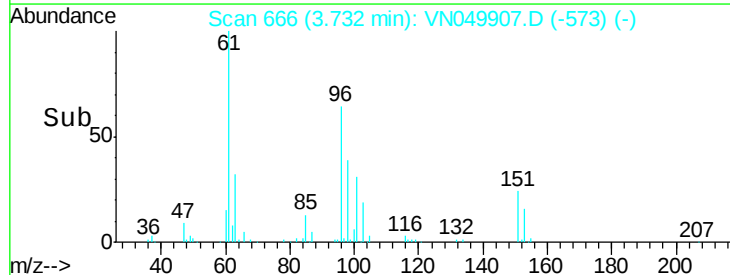
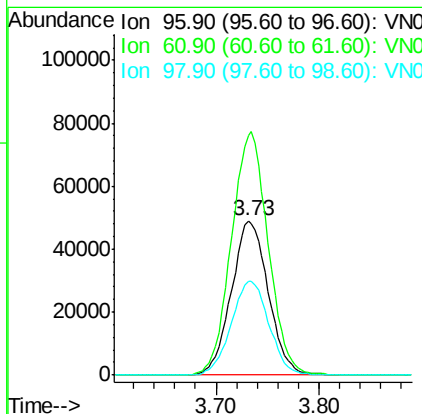
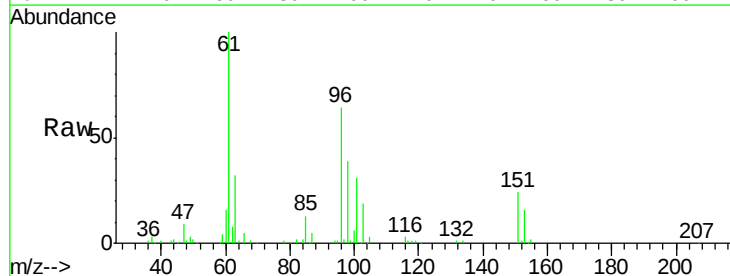
MMDadoda
 7/20/2018 11:08:02 AM

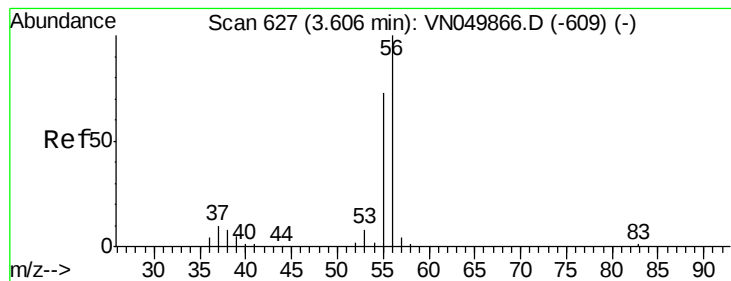


#12

1,1-Dichloroethene
 Concen: 19.23 ug/l
 RT: 3.73 min Scan# 666
 Delta R.T. 0.00 min
 Lab File: VN049907.D
 Acq: 19 Jul 2018 11:16

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.4	126.5	189.7
98	61.2	51.0	76.6





#13

Acrolein

Concen: 80.37 ug/l

RT: 3.61 min Scan# 627

Delta R.T. 0.00 min

Lab File: VN049907.D

Acq: 19 Jul 2018 11:16

Instrument :

MSVOA_N

ClientSampleId :

VN0719WBS01

Tot Ion: 56 Resp: 29698

Ion Ratio Lower Upper

56 100

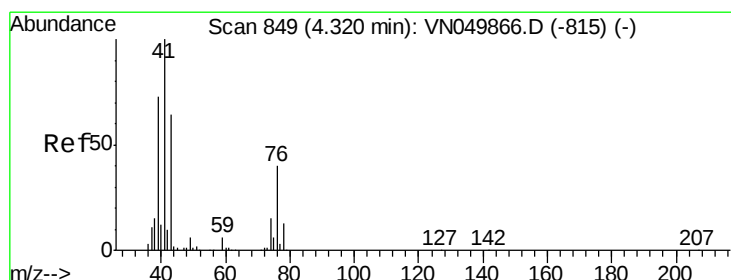
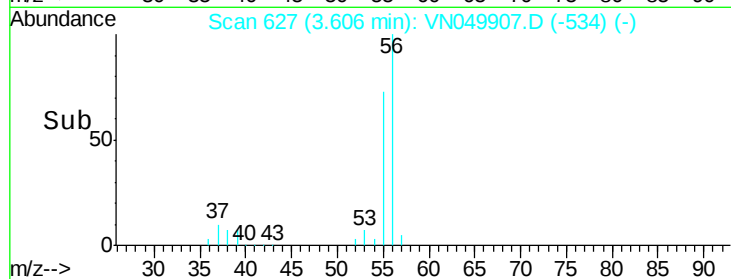
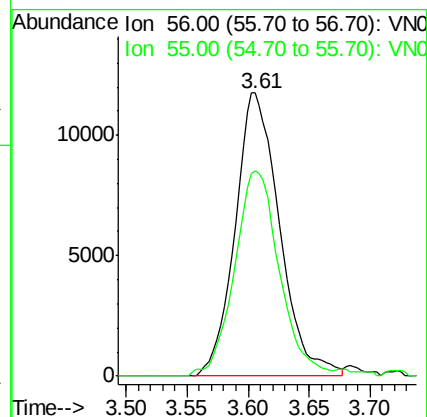
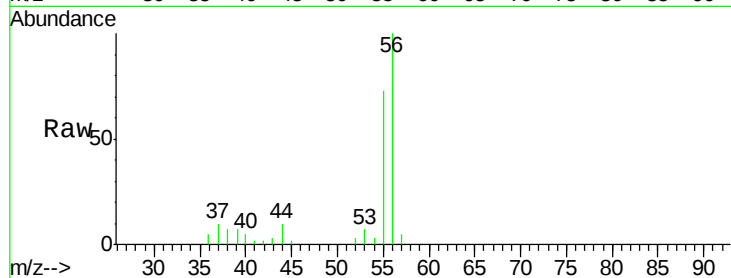
55 73.1 55.8 83.8

Manual Integrations

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#14

Allyl chloride

Concen: 19.35 ug/l

RT: 4.32 min Scan# 849

Delta R.T. 0.00 min

Lab File: VN049907.D

Acq: 19 Jul 2018 11:16

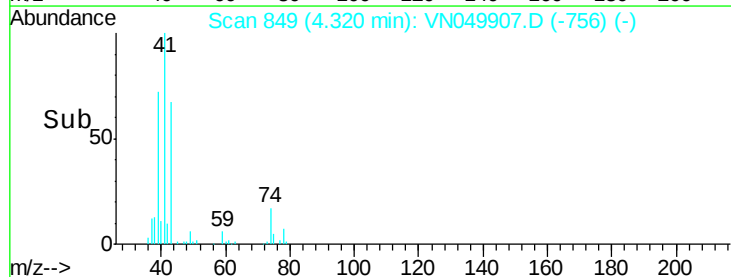
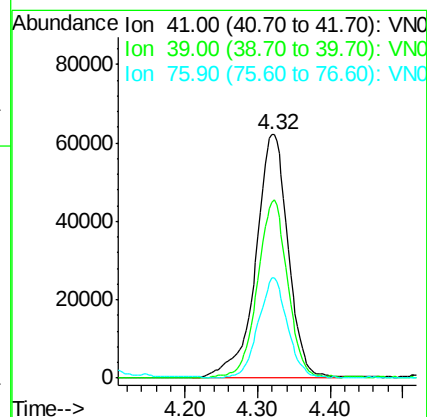
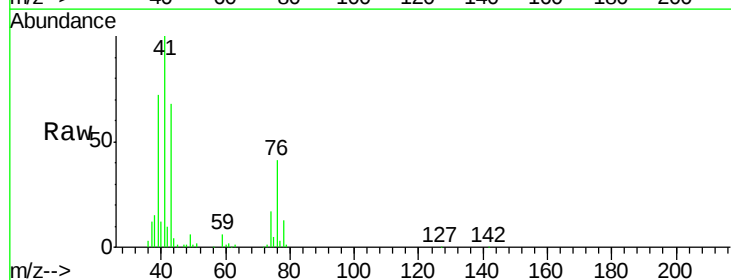
Tgt Ion: 41 Resp: 193705

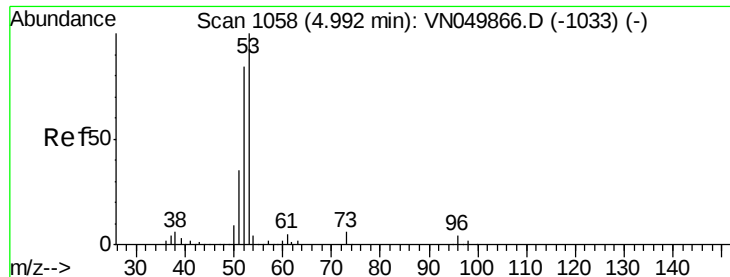
Ion Ratio Lower Upper

41 100

39 68.1 53.2 79.8

76 36.2 29.0 43.6





#15

Acrylonitrile

Concen: 90.45 ug/l

RT: 4.99 min Scan# 1057

Delta R.T. -0.00 min

Lab File: VN049907.D

Acq: 19 Jul 2018 11:16

Instrument :

MSVOA_N

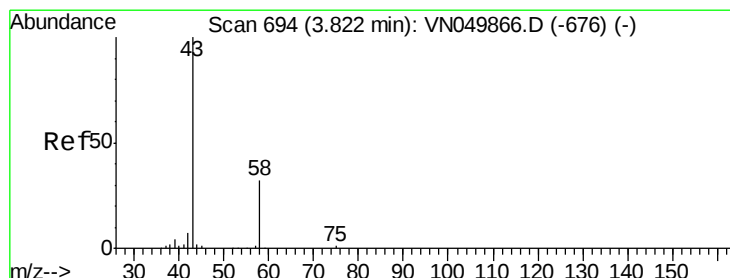
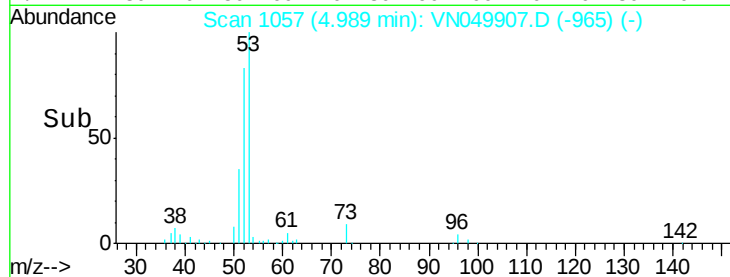
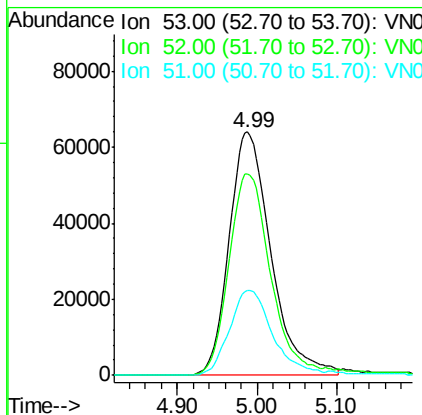
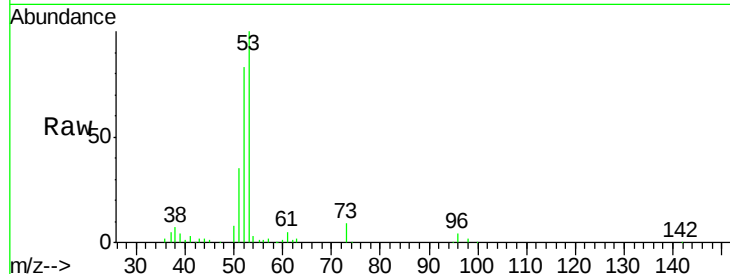
ClientSampleId :

VN0719WBS01

Tot Ion:	53	Resp:	228127
Ion Ratio		Lower	Upper
53	100		
52	83.1	64.8	97.2
51	36.0	28.9	43.3

Manual Integrations
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#16

Acetone

Concen: 94.43 ug/l

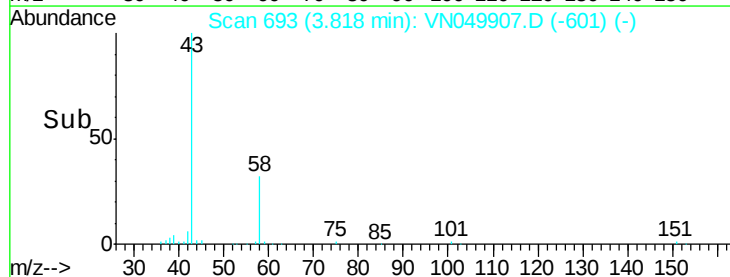
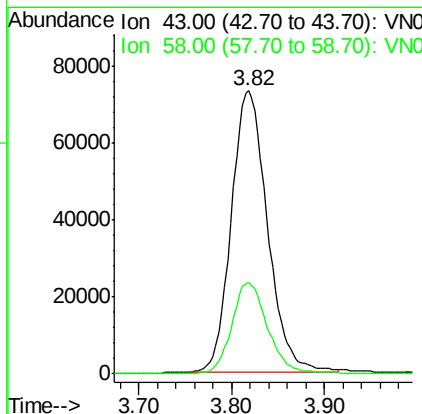
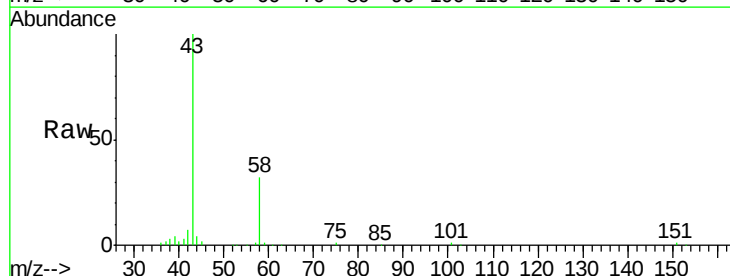
RT: 3.82 min Scan# 693

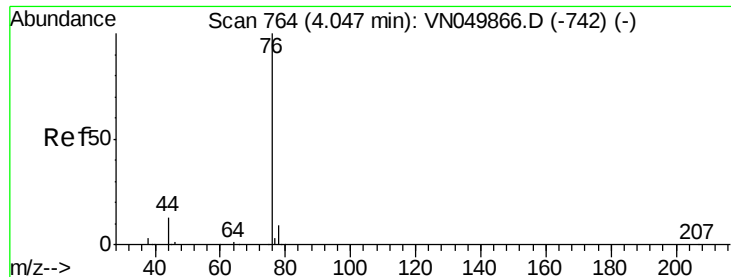
Delta R.T. -0.00 min

Lab File: VN049907.D

Acq: 19 Jul 2018 11:16

Tgt Ion:	43	Resp:	196805
Ion Ratio		Lower	Upper
43	100		
58	32.3	25.9	38.9





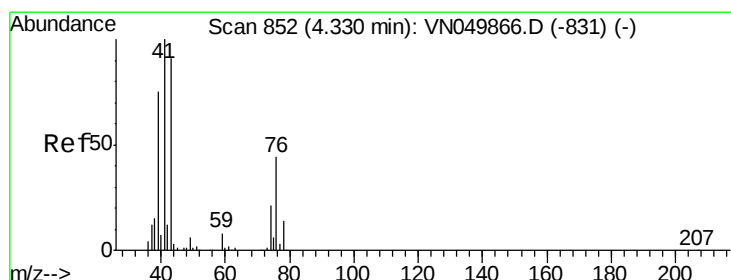
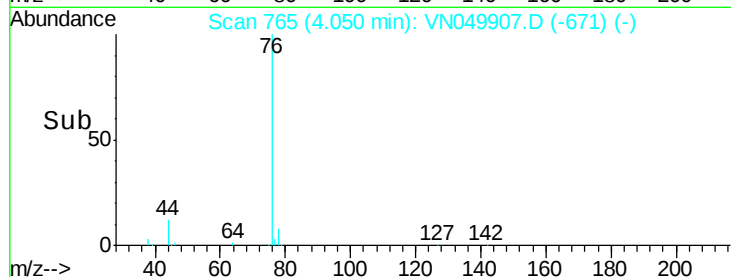
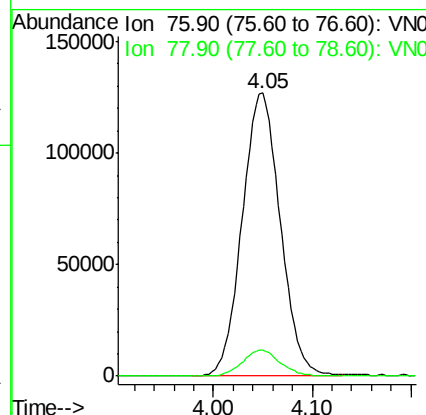
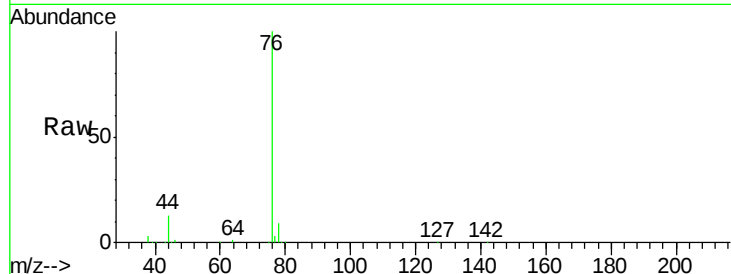
#17
Carbon Disulfide
Concen: 17.87 ug/l
RT: 4.05 min Scan# 765
Delta R.T. 0.00 min
Lab File: VN049907.D
Acq: 19 Jul 2018 11:16

Instrument :
MSVOA_N
ClientSampleId :
VN0719WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.1	10.7

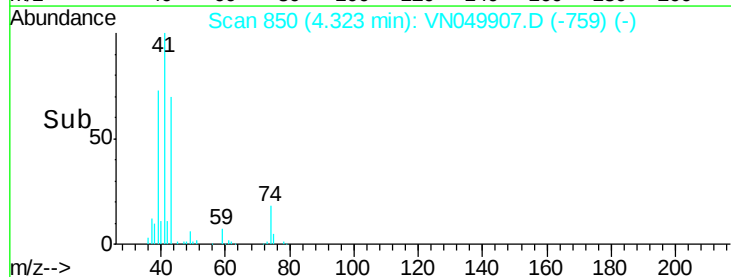
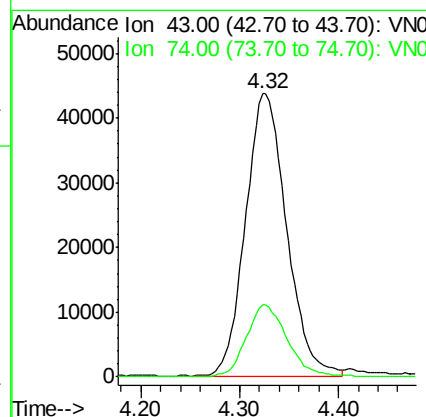
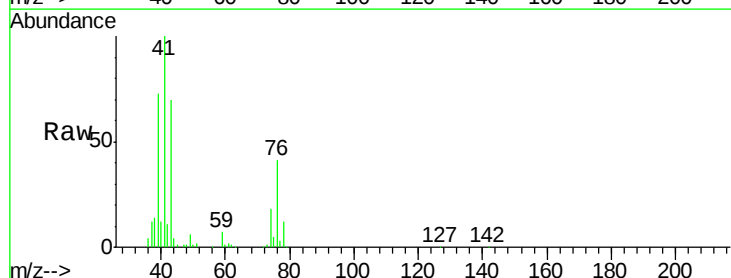
Manual Integrations
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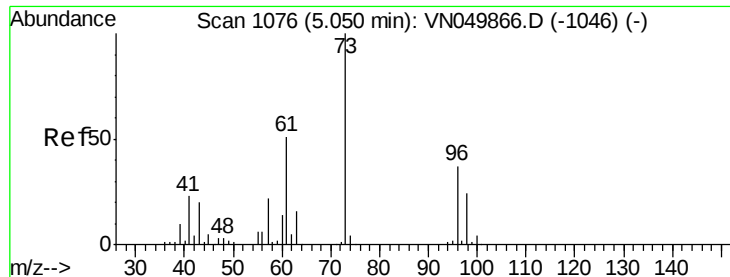
MMDadoda
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#18
Methyl Acetate
Concen: 18.87 ug/l
RT: 4.32 min Scan# 850
Delta R.T. -0.01 min
Lab File: VN049907.D
Acq: 19 Jul 2018 11:16

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.3	19.8	29.8





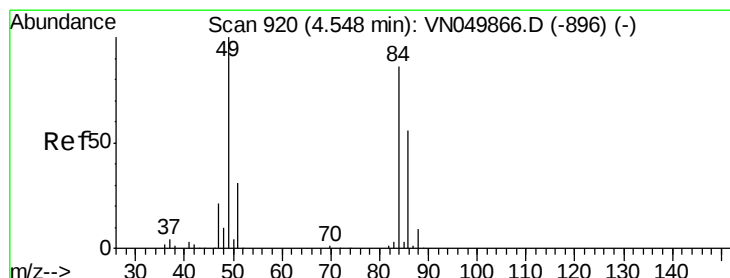
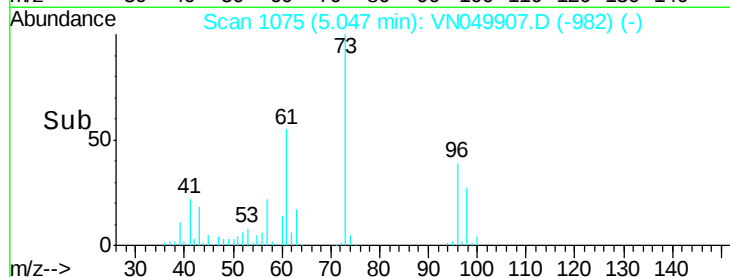
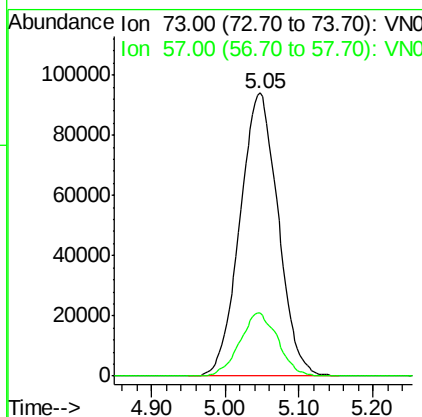
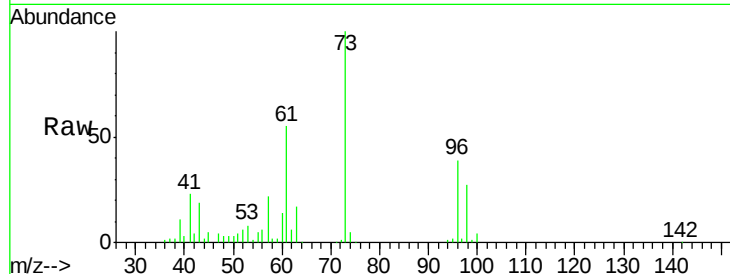
#19
Methyl tert-butyl Ether
Concen: 19.43 ug/l
RT: 5.05 min Scan# 1075
Delta R.T. -0.00 min
Lab File: VN049907.D
Acq: 19 Jul 2018 11:16

Instrument :
MSVOA_N
ClientSampled :
VN0719WBS01

Tot Ion: 73 Resp: 339490
Ion Ratio Lower Upper
73 100
57 22.5 18.1 27.1

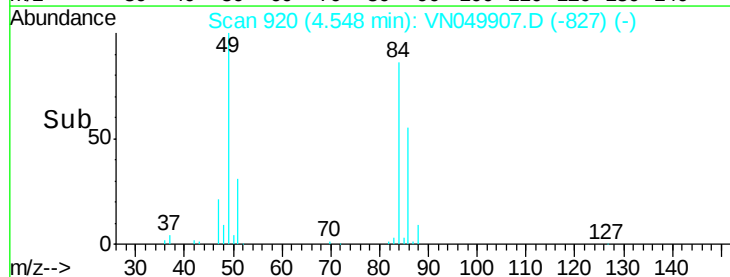
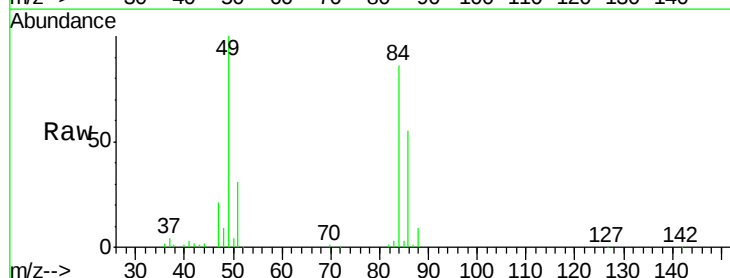
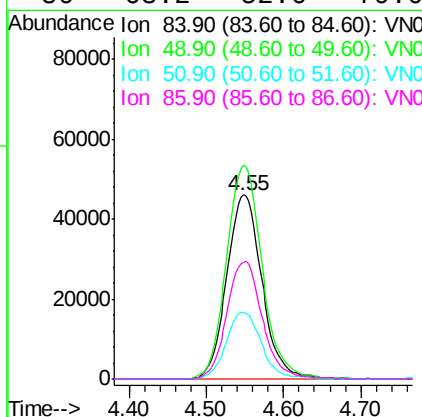
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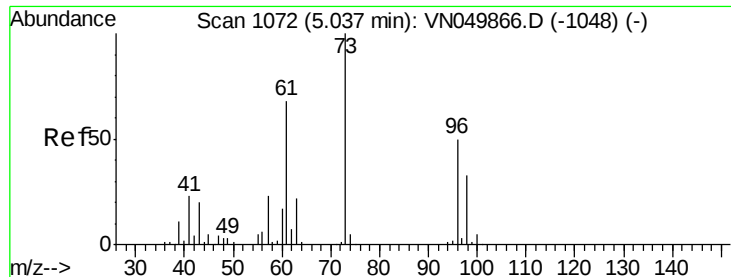
MMDadoda
7/20/2018 11:08:02 AM



#20
Methylene Chloride
Concen: 18.34 ug/l
RT: 4.55 min Scan# 920
Delta R.T. 0.00 min
Lab File: VN049907.D
Acq: 19 Jul 2018 11:16

Tgt Ion: 84 Resp: 145350
Ion Ratio Lower Upper
84 100
49 115.9 95.4 143.2
51 35.9 28.4 42.6
86 63.2 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 19.56 ug/l

RT: 5.04 min Scan# 1073

Delta R.T. 0.00 min

Lab File: VN049907.D

Acq: 19 Jul 2018 11:16

Instrument :

MSVOA_N

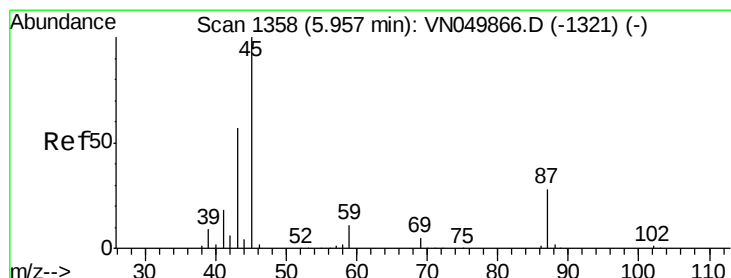
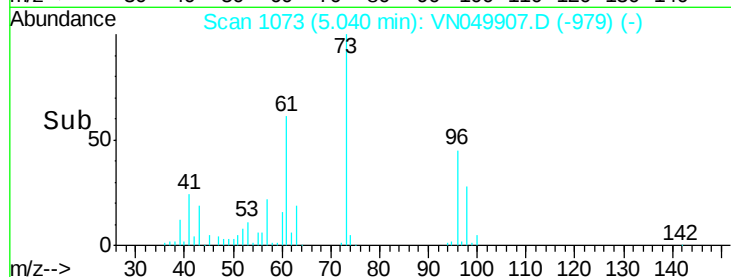
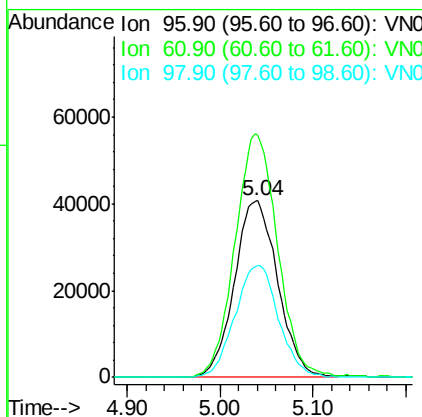
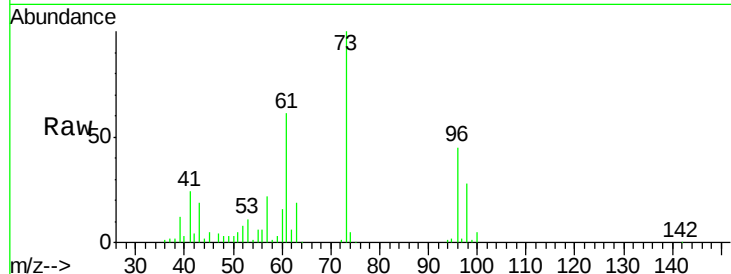
ClientSampled :

VN0719WBS01

Tot Ion:	96	Resp:	131885
Ion	Ratio	Lower	Upper
96	100		
61	136.8	109.0	163.6
98	63.1	51.1	76.7

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.40 ug/l

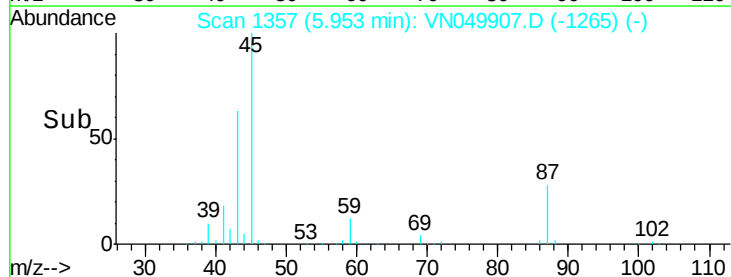
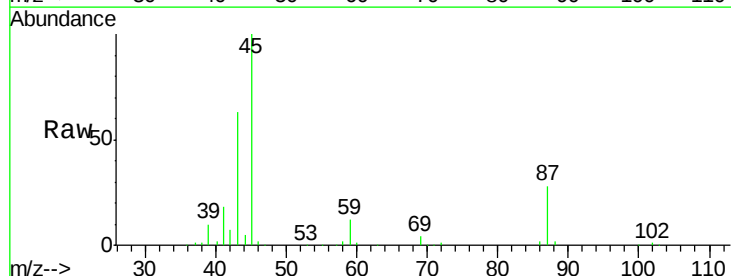
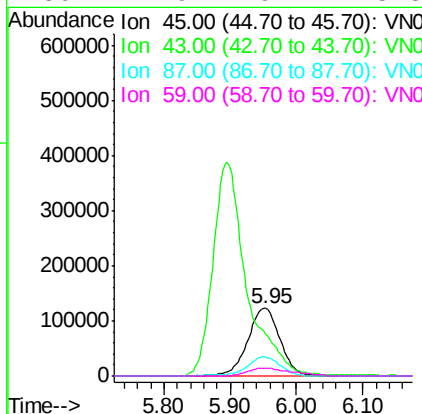
RT: 5.95 min Scan# 1357

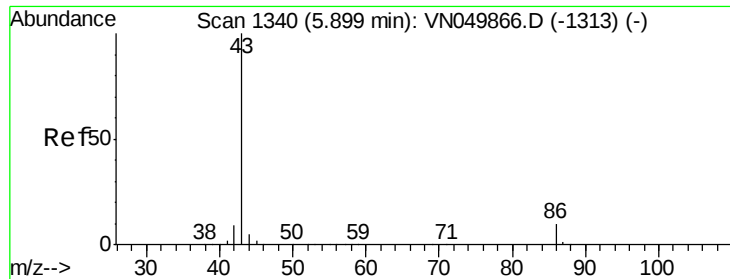
Delta R.T. -0.00 min

Lab File: VN049907.D

Acq: 19 Jul 2018 11:16

Tgt Ion:	45	Resp:	416743
Ion	Ratio	Lower	Upper
45	100		
43	61.0	48.1	72.1
87	28.1	22.6	34.0
59	11.9	9.2	13.8





#23

Vinyl Acetate

Concen: 95.86 ug/l

RT: 5.90 min Scan# 1339

Delta R.T. -0.00 min

Lab File: VN049907.D

Acq: 19 Jul 2018 11:16

Instrument :

MSVOA_N

ClientSampled :

VN0719WBS01

Tot Ion: 43 Resp: 1373770

Ion Ratio Lower Upper

43 100

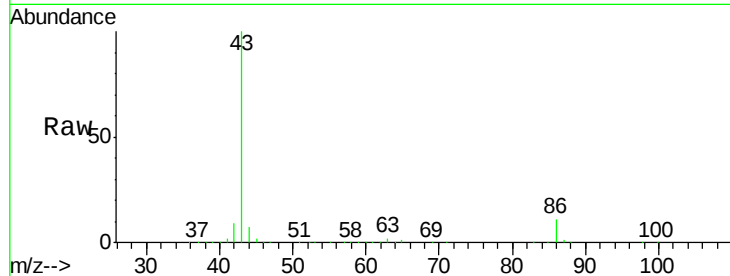
86 10.7 8.4 12.6

Manual Integrations

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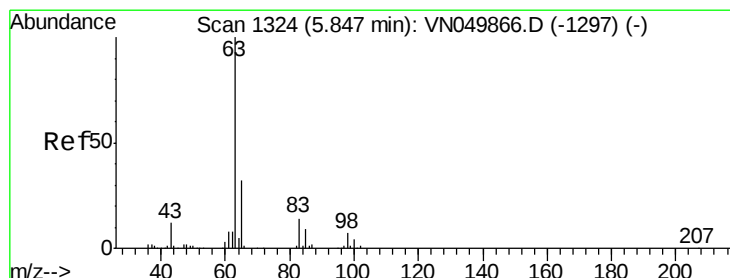
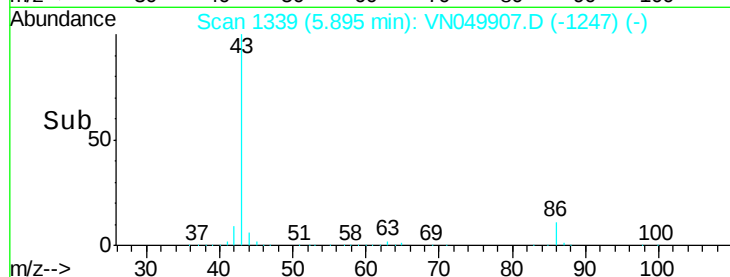
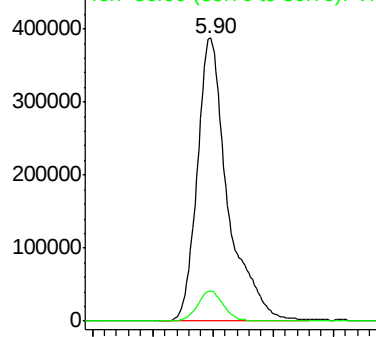
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 19.11 ug/l

RT: 5.84 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VN049907.D

Acq: 19 Jul 2018 11:16

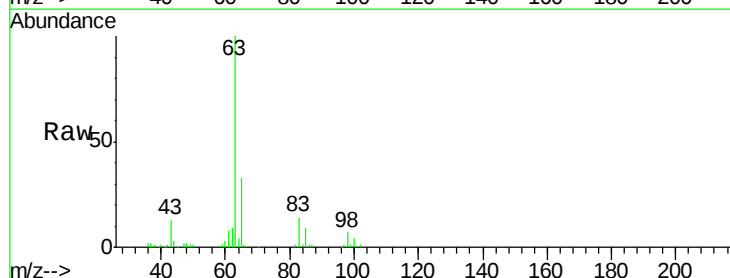
Tgt Ion: 63 Resp: 250611

Ion Ratio Lower Upper

63 100

98 6.6 3.4 10.2

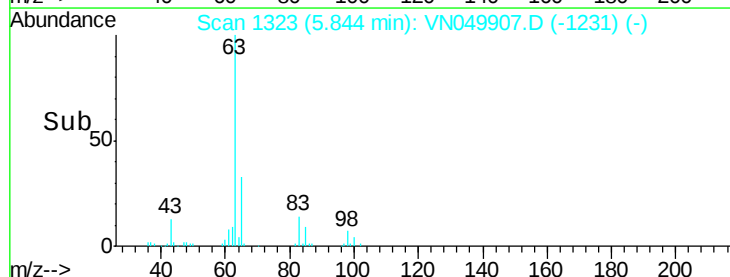
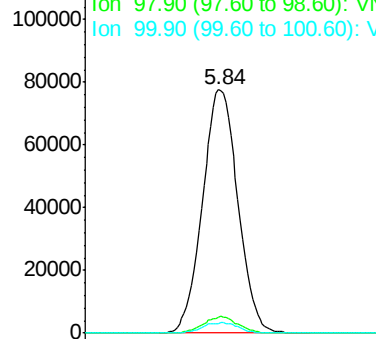
100 4.1 2.2 6.6

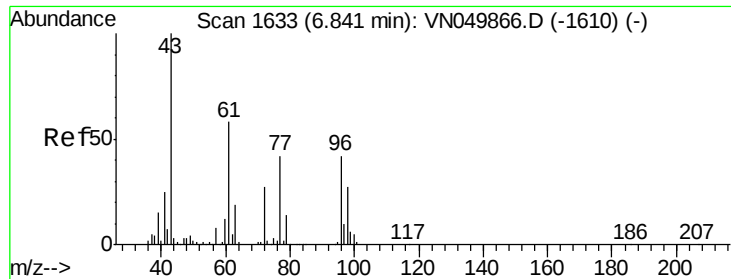


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 93.49 ug/l

RT: 6.84 min Scan# 1632

Delta R.T. -0.00 min

Lab File: VN049907.D

Acq: 19 Jul 2018 11:16

Instrument :

MSVOA_N

ClientSampled :

VN0719WBS01

Tot Ion: 43 Resp: 278468

Ion Ratio Lower Upper

43 100

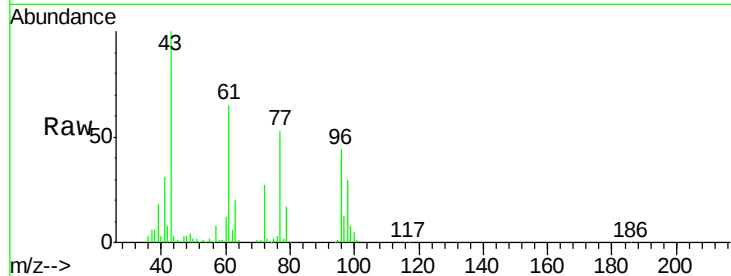
72 26.7 22.1 33.1

Manual Integrations

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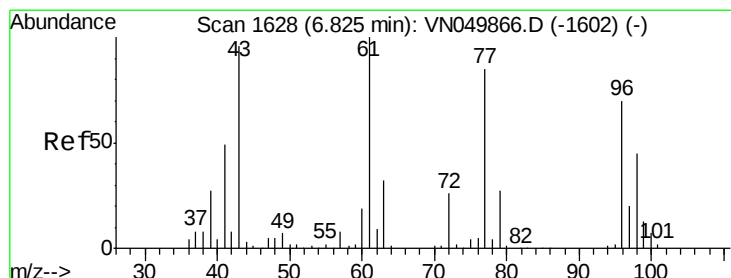
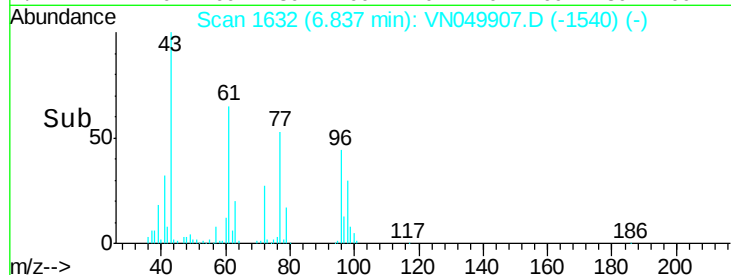
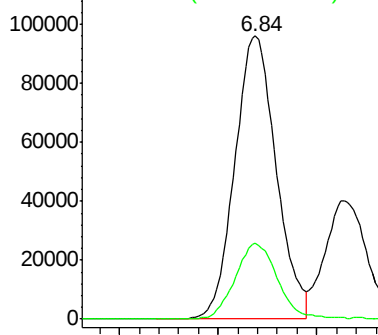
MMDadoda

7/20/2018 11:08:02 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 20.79 ug/l

RT: 6.82 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VN049907.D

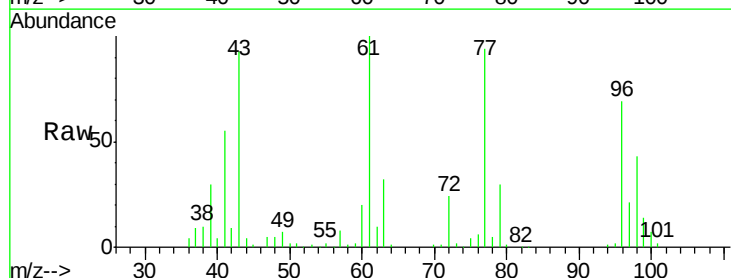
Acq: 19 Jul 2018 11:16

Tgt Ion: 77 Resp: 212071

Ion Ratio Lower Upper

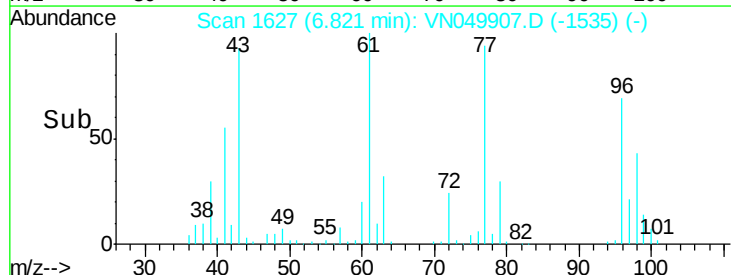
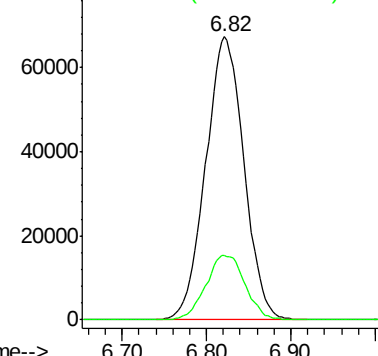
77 100

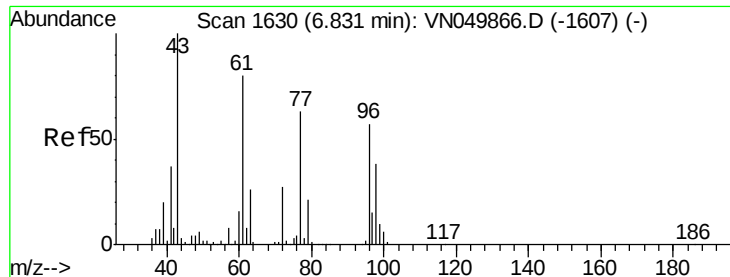
97 23.3 11.9 35.5



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





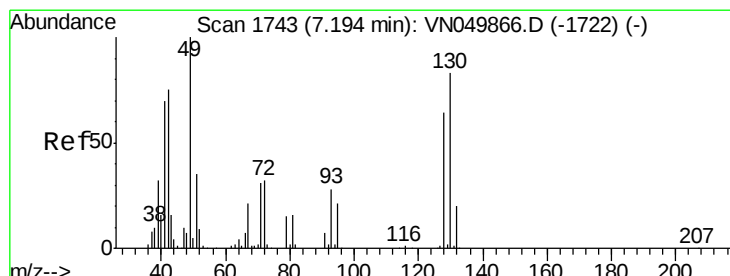
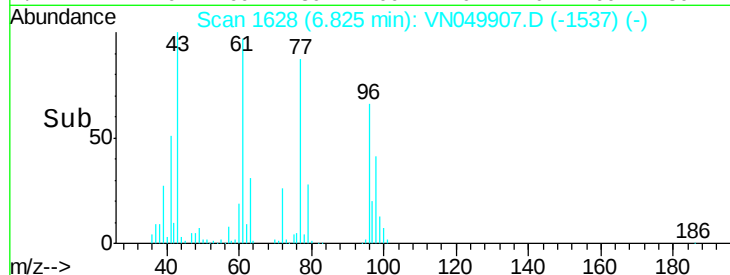
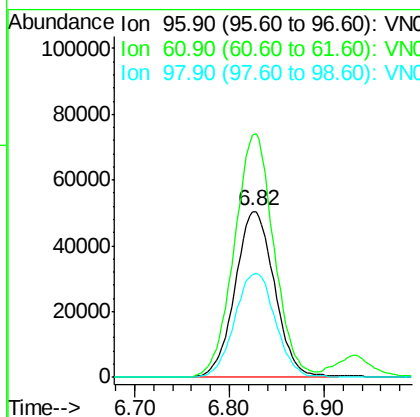
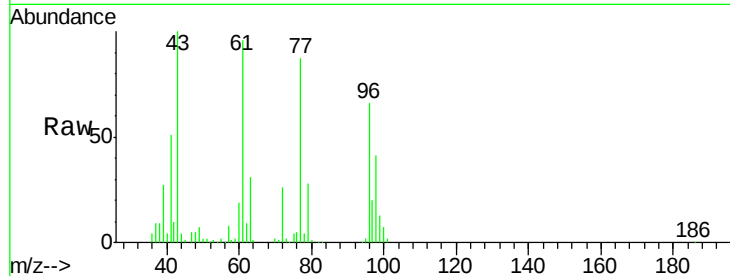
#27
 cis-1,2-Dichloroethene
 Concen: 19.75 ug/l
 RT: 6.82 min Scan# 1628
 Delta R.T. -0.01 min
 Lab File: VN049907.D
 Acq: 19 Jul 2018 11:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0719WBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	146091		
61	147.4	0.0	289.0	
98	64.7	0.0	130.2	

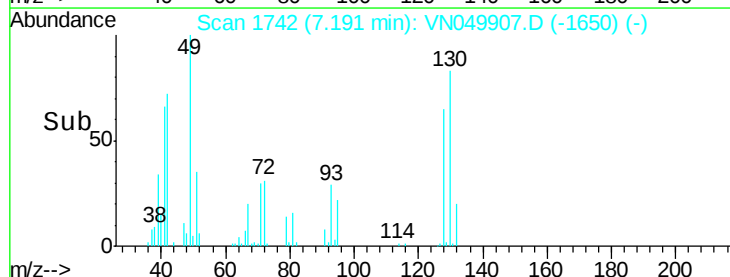
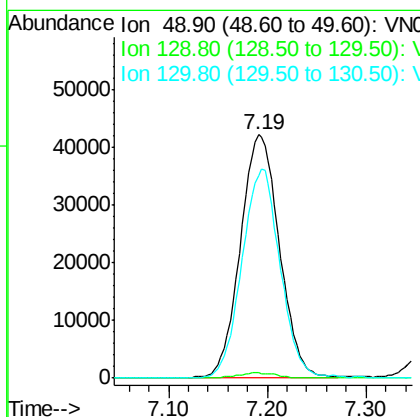
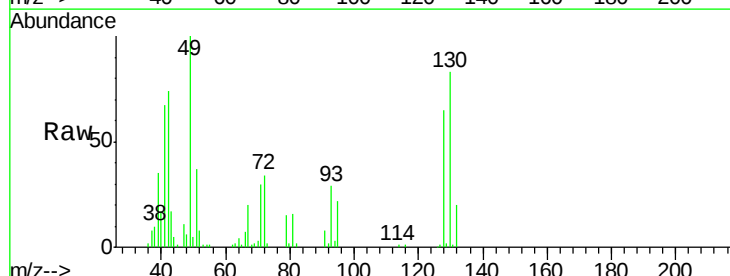
Manual Integrations
 APPROVED

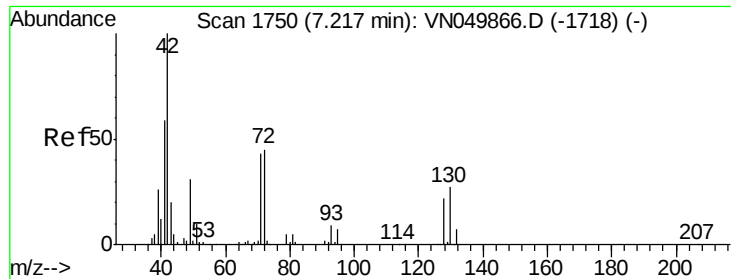
MMDadoda
 7/20/2018 11:08:02 AM



#28
 Bromochloromethane
 Concen: 19.58 ug/l
 RT: 7.19 min Scan# 1742
 Delta R.T. -0.00 min
 Lab File: VN049907.D
 Acq: 19 Jul 2018 11:16

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	115951		
129	2.1	0.0	4.2	
130	83.6	65.5	98.3	





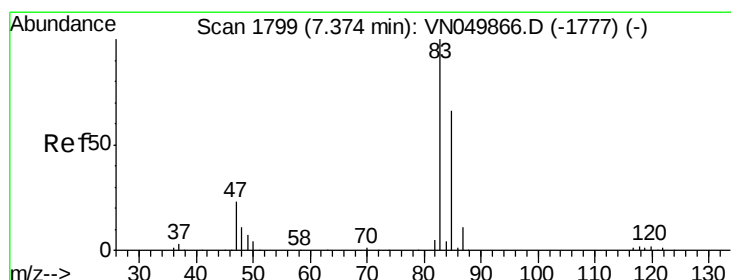
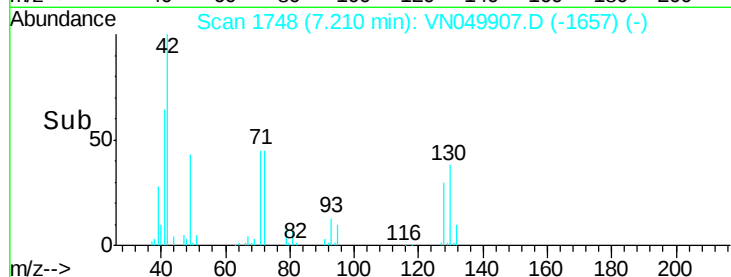
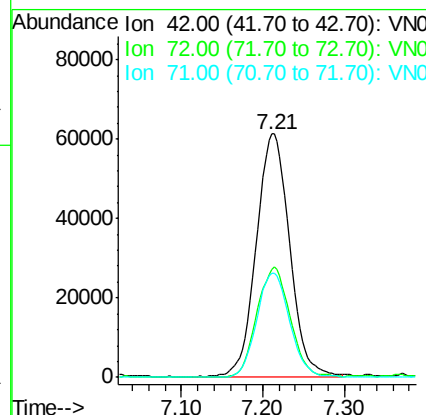
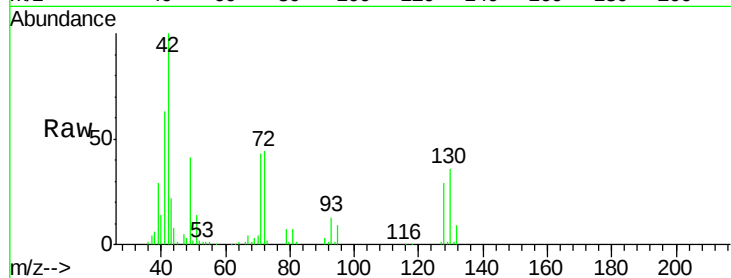
#29
Tetrahydrofuran
Concen: 92.12 ug/l
RT: 7.21 min Scan# 1748
Delta R.T. -0.01 min
Lab File: VN049907.D
Acq: 19 Jul 2018 11:16

Instrument :
MSVOA_N
ClientSampled :
VN0719WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.6	35.6	53.4
71	42.5	34.0	51.0

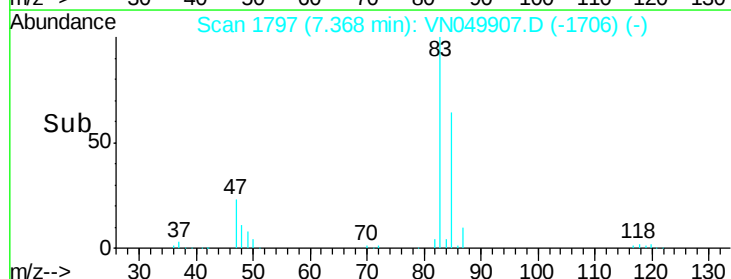
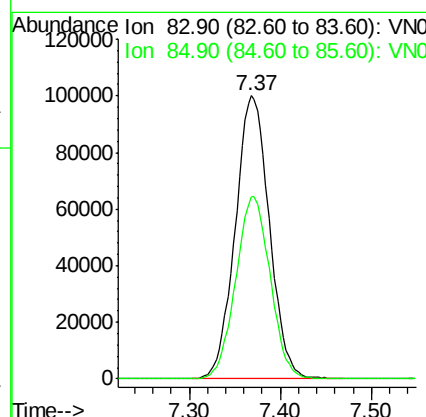
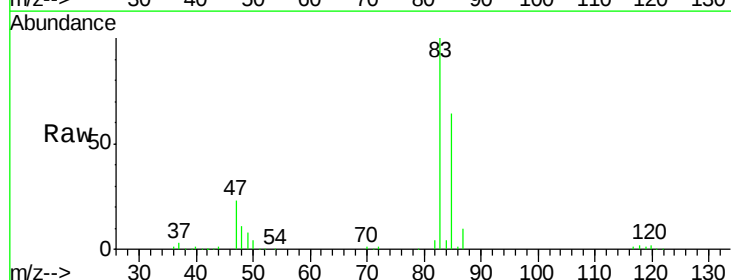
Manual Integrations
APPROVED

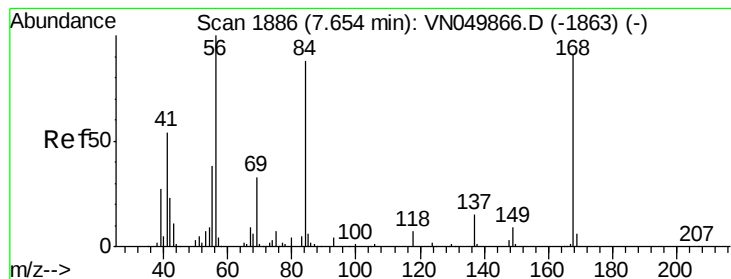
MMDadoda
7/20/2018 11:08:02 AM



#30
Chloroform
Concen: 19.33 ug/l
RT: 7.37 min Scan# 1797
Delta R.T. -0.01 min
Lab File: VN049907.D
Acq: 19 Jul 2018 11:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	51.4	77.2





#31

Cyclohexane

Concen: 19.69 ug/l

RT: 7.65 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VN049907.D

Acq: 19 Jul 2018 11:16

Instrument :

MSVOA_N

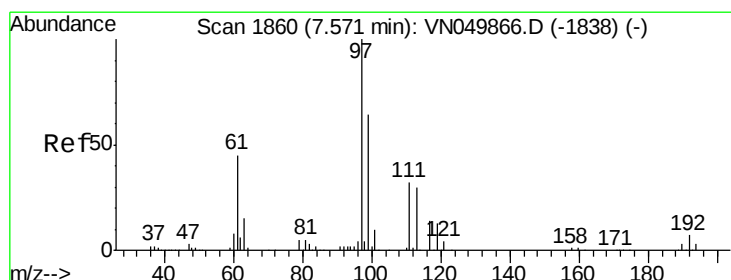
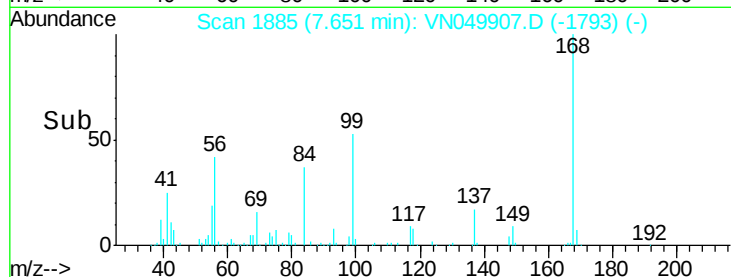
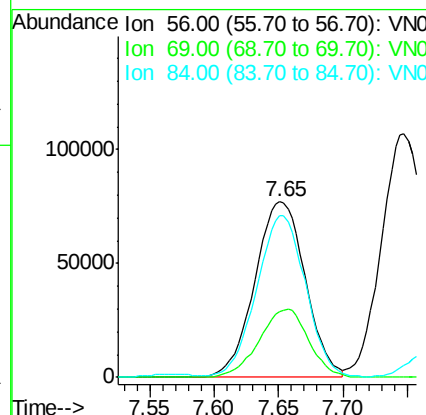
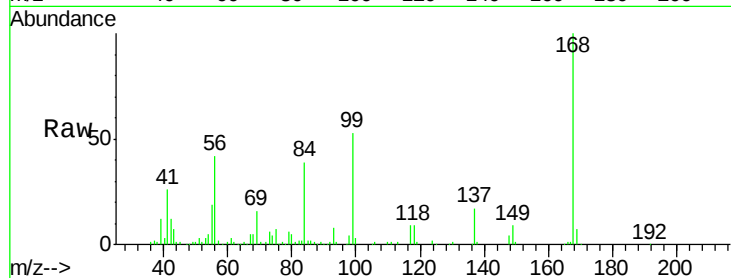
ClientSampled :

VN0719WBS01

Tot Ion:	56	Resp:	210133
Ion Ratio	Lower	Upper	
56	100		
69	37.5	26.6	40.0
84	91.2	69.0	103.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.15 ug/l

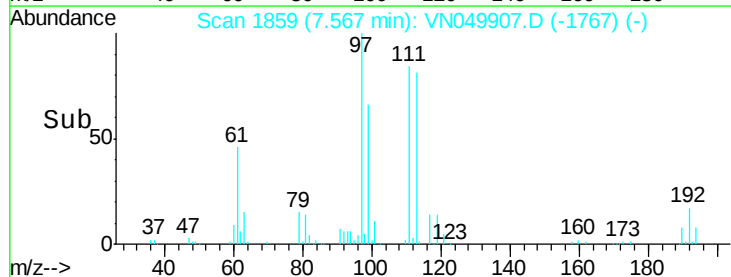
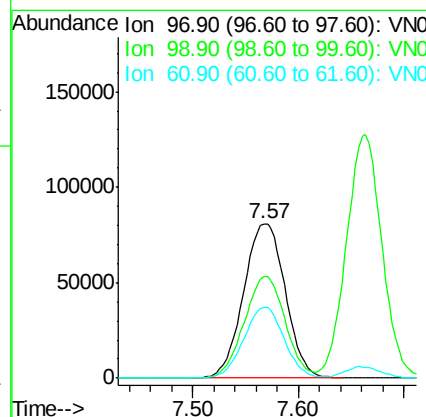
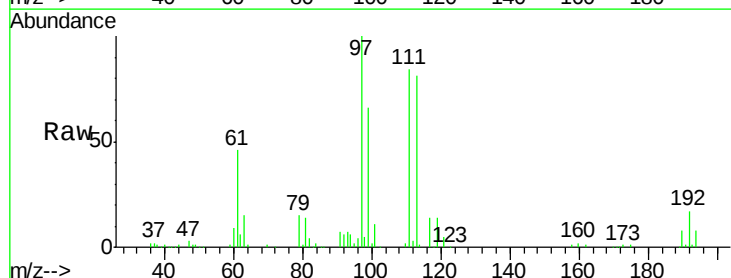
RT: 7.57 min Scan# 1859

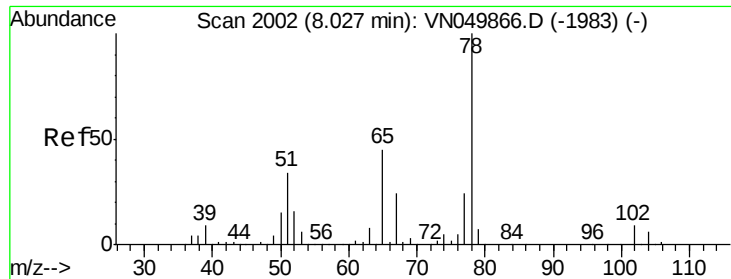
Delta R.T. -0.00 min

Lab File: VN049907.D

Acq: 19 Jul 2018 11:16

Tgt Ion:	97	Resp:	222844
Ion Ratio	Lower	Upper	
97	100		
99	64.5	51.0	76.4
61	44.5	35.5	53.3





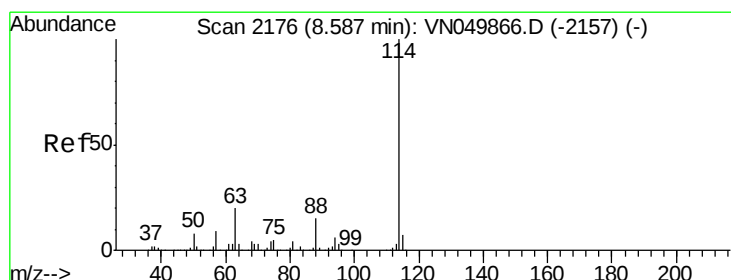
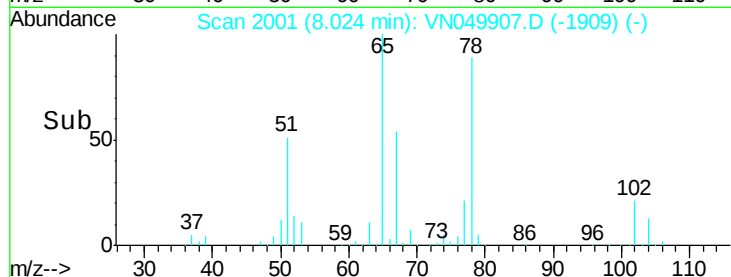
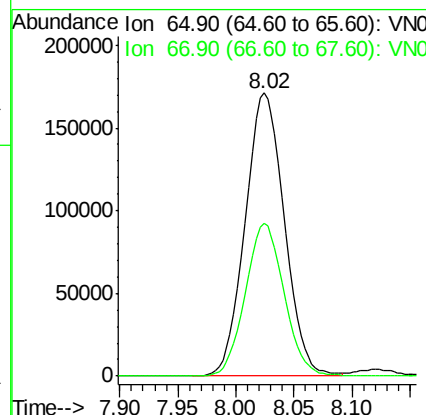
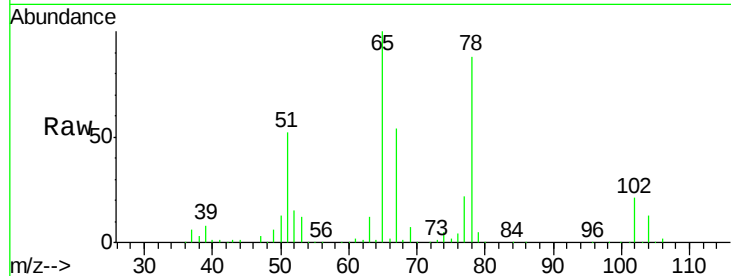
#33
 1,2-Dichloroethane-d4
 Concen: 50.09 ug/l
 RT: 8.02 min Scan# 2001
 Delta R.T. -0.00 min
 Lab File: VN049907.D
 Acq: 19 Jul 2018 11:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0719WBS01

Tot Ion: 65 Resp: 403223
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 107.2

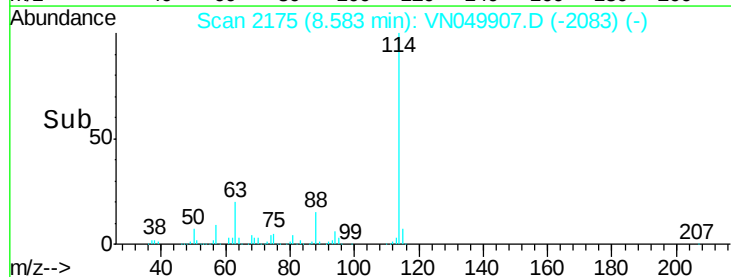
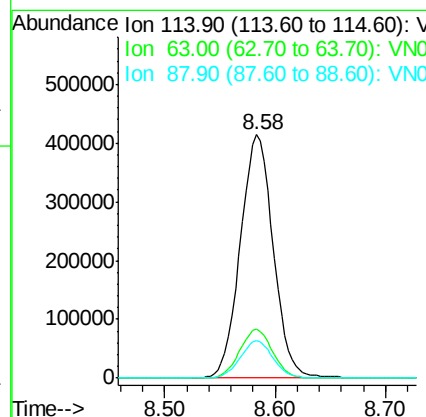
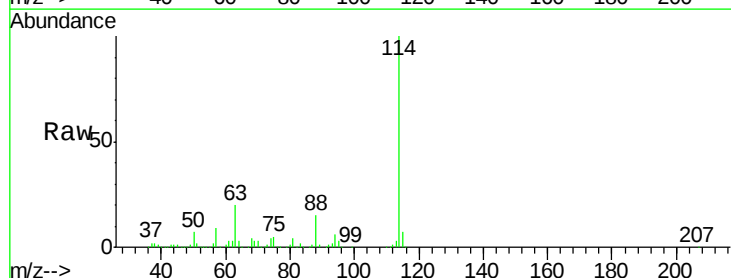
Manual Integrations
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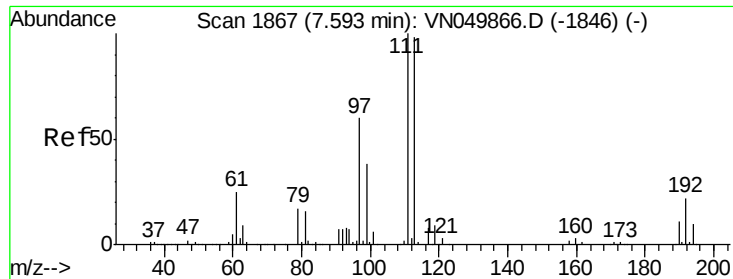
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.58 min Scan# 2175
 Delta R.T. -0.00 min
 Lab File: VN049907.D
 Acq: 19 Jul 2018 11:16

Tgt Ion: 114 Resp: 857448
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 39.8
 88 15.4 0.0 30.6





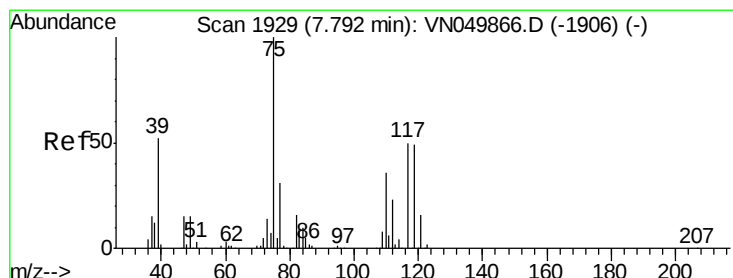
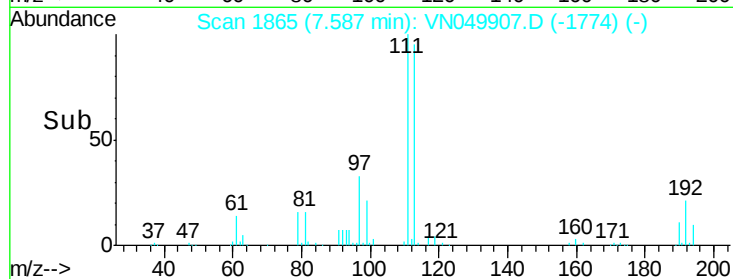
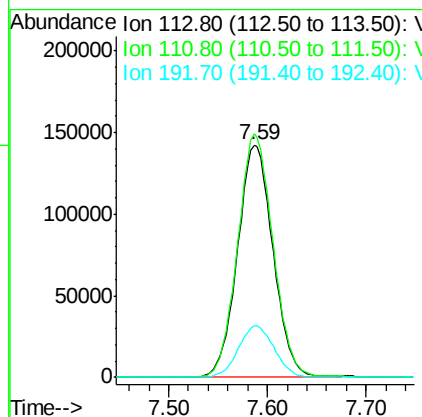
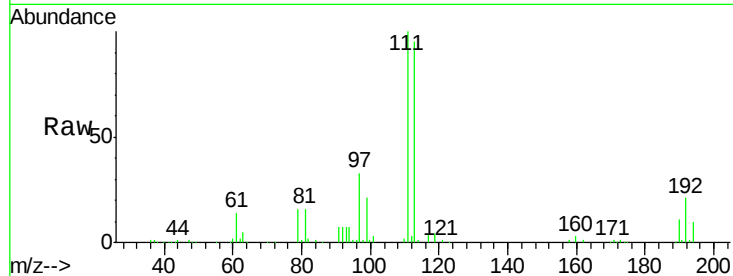
#35
Dibromofluoromethane
Concen: 49.45 ug/l
RT: 7.59 min Scan# 1865
Delta R.T. -0.01 min
Lab File: VN049907.D
Acq: 19 Jul 2018 11:16

Instrument :
MSVOA_N
ClientSampled :
VN0719WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	104.0	81.8	122.8	
192	22.4	17.8	26.6	

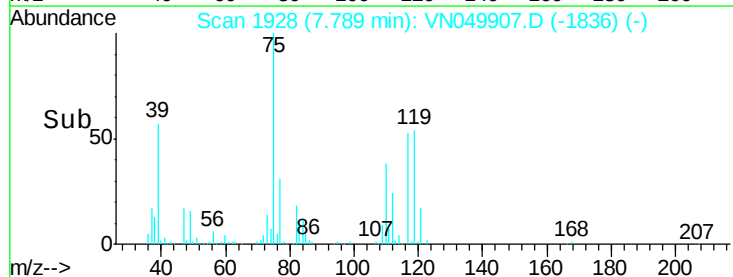
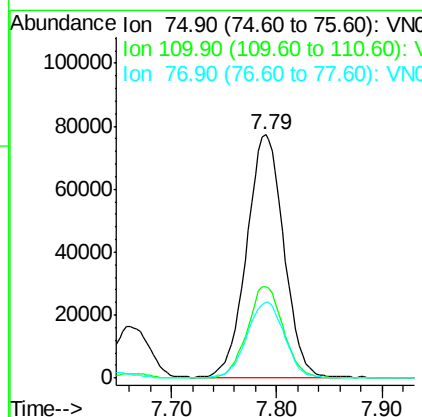
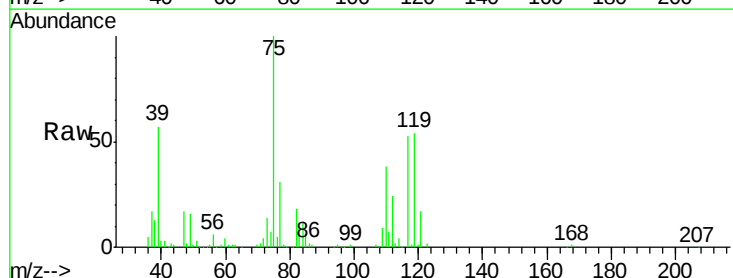
Manual Integrations
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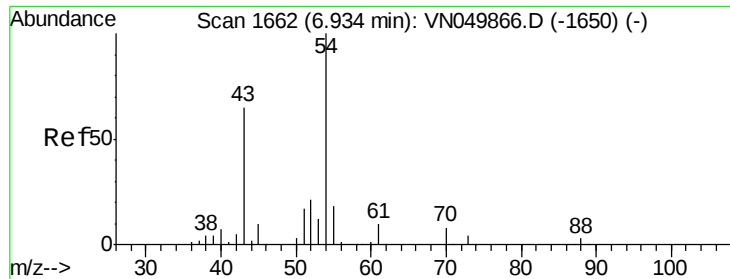
MMDadoda
7/20/2018 11:08:02 AM



#36
1,1-Dichloropropene
Concen: 19.70 ug/l
RT: 7.79 min Scan# 1928
Delta R.T. -0.00 min
Lab File: VN049907.D
Acq: 19 Jul 2018 11:16

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	36.9	18.1	54.4	
77	32.1	24.9	37.3	





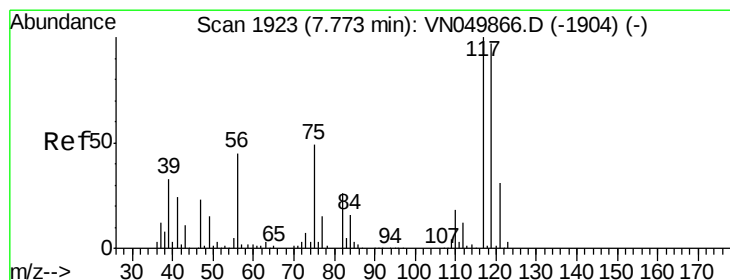
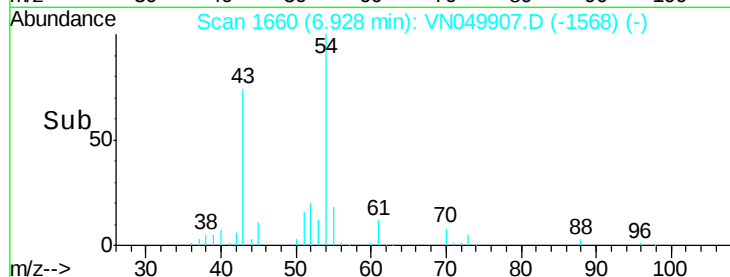
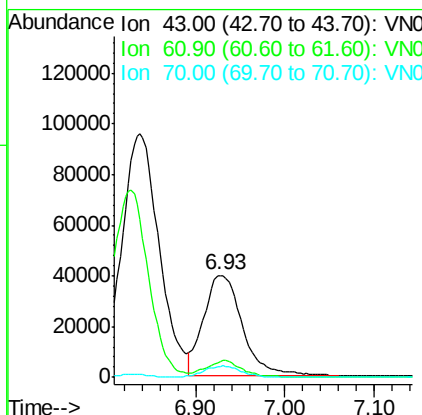
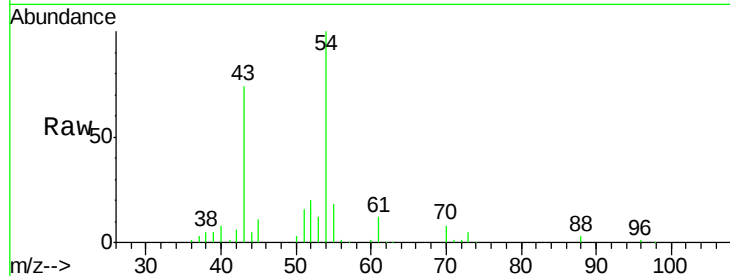
#37
Ethyl Acetate
Concen: 18.40 ug/l
RT: 6.93 min Scan# 1660
Delta R.T. -0.01 min
Lab File: VN049907.D
Acq: 19 Jul 2018 11:16

Instrument :
MSVOA_N
ClientSampleId :
VN0719WBS01

Tot Ion	43	61	70
Resp	120457		
Ratio	100	14.8	10.0
Lower		11.7	8.4
Upper		17.5	12.6

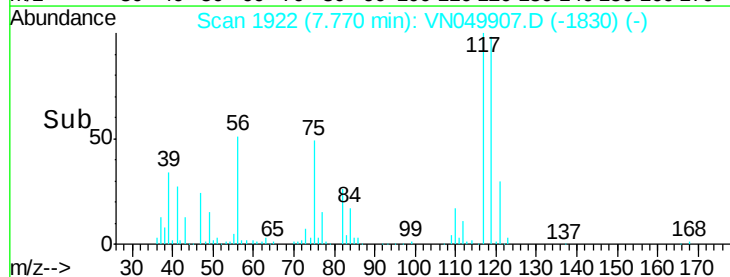
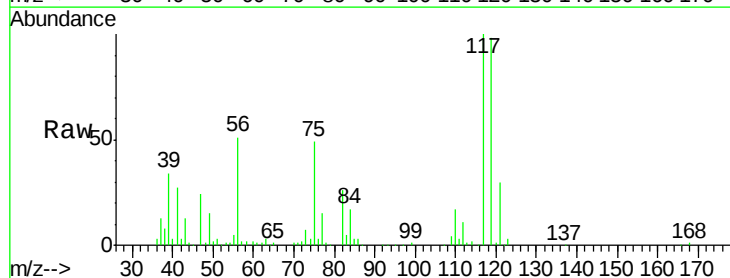
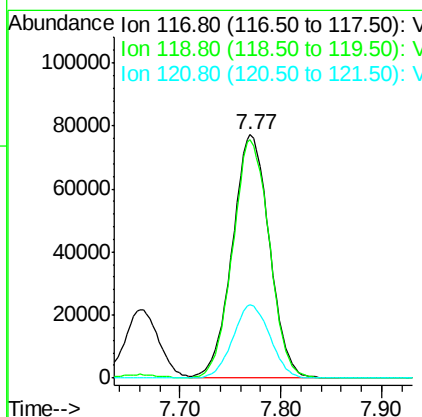
Manual Integrations
APPROVED

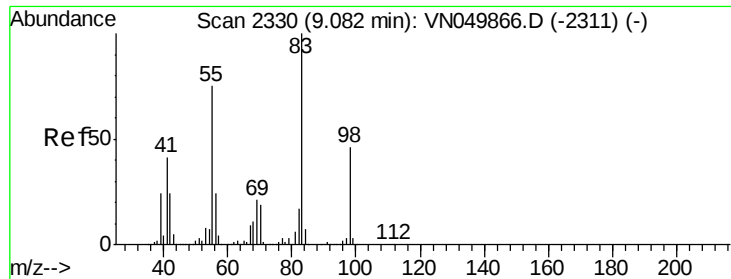
MMDadoda
7/20/2018 11:08:02 AM



#38
Carbon Tetrachloride
Concen: 19.30 ug/l
RT: 7.77 min Scan# 1922
Delta R.T. -0.00 min
Lab File: VN049907.D
Acq: 19 Jul 2018 11:16

Tgt Ion	117	119	121
Resp	197136		
Ratio	100	98.1	30.3
Lower		77.2	25.0
Upper		115.8	37.6





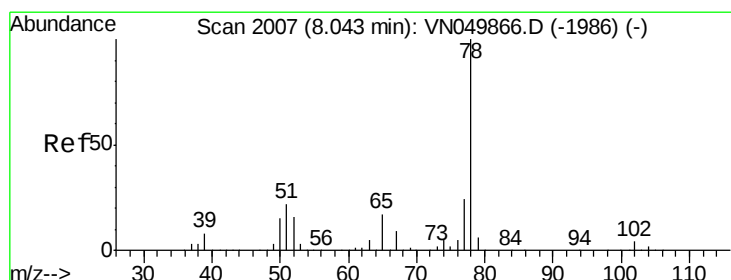
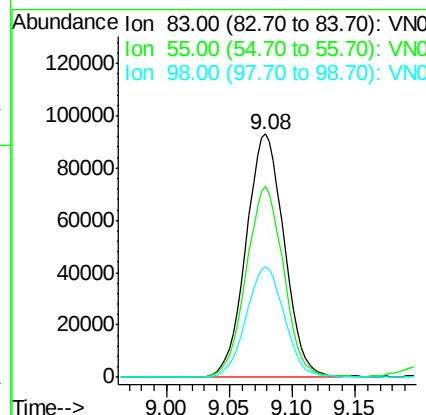
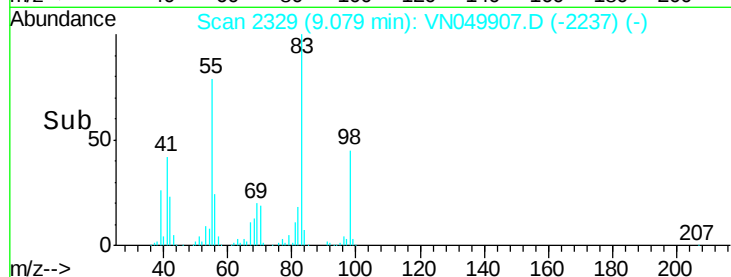
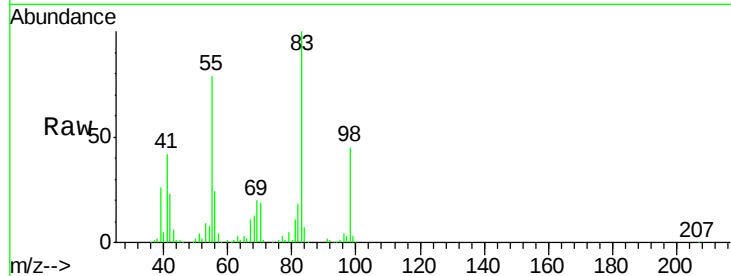
#39
Methvlcvclohexane
Concen: 20.00 ug/l
RT: 9.08 min Scan# 2329
Delta R.T. -0.00 min
Lab File: VN049907.D
Acq: 19 Jul 2018 11:16

Instrument :
MSVOA_N
ClientSampleId :
VN0719WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.5	59.7	89.5
98	45.2	36.5	54.7

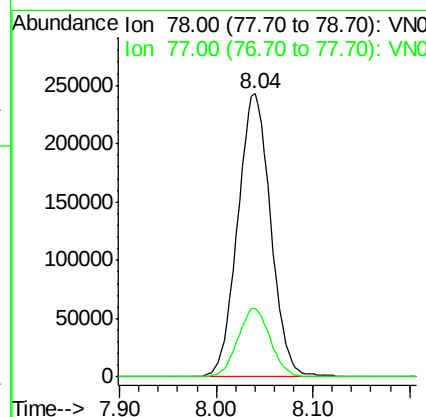
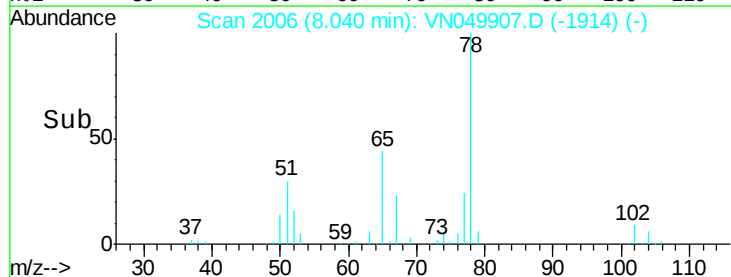
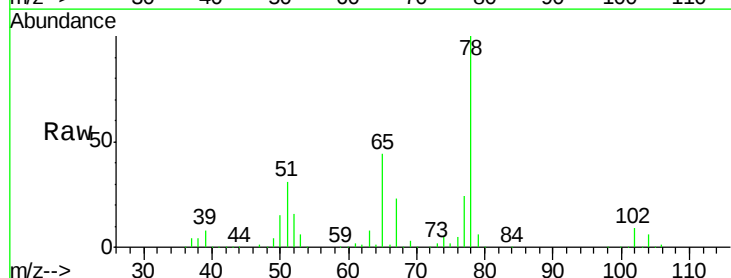
Manual Integrations
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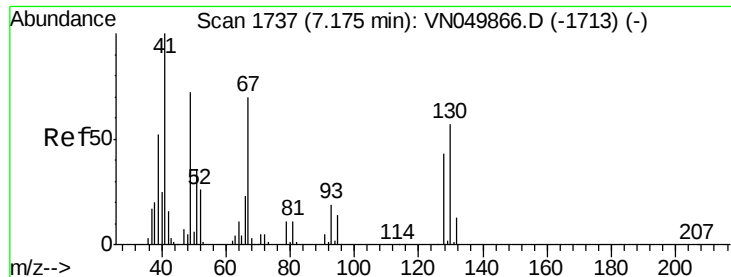
MMDadoda
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#40
Benzene
Concen: 19.82 ug/l
RT: 8.04 min Scan# 2006
Delta R.T. -0.00 min
Lab File: VN049907.D
Acq: 19 Jul 2018 11:16

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.0	28.4





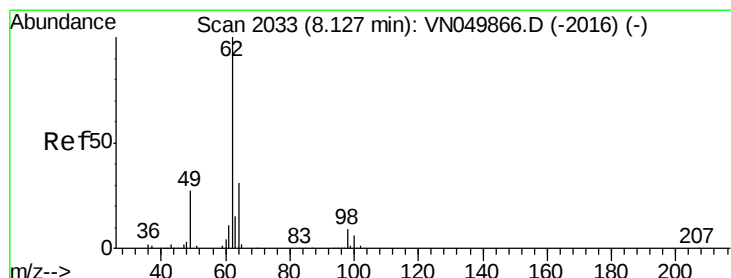
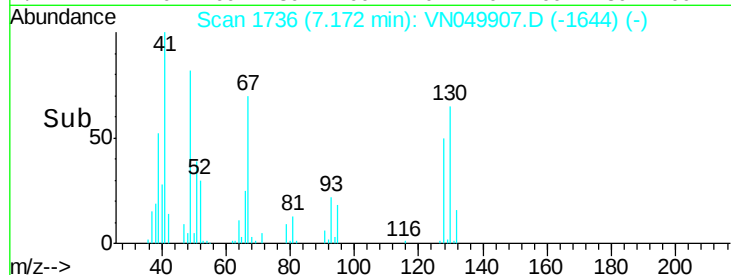
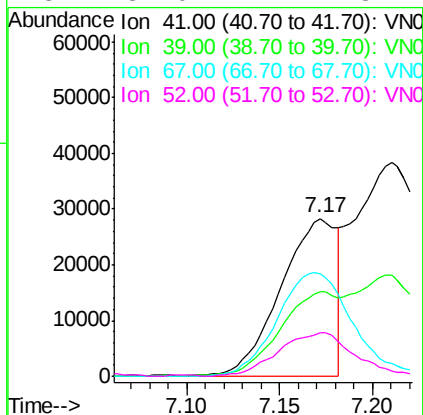
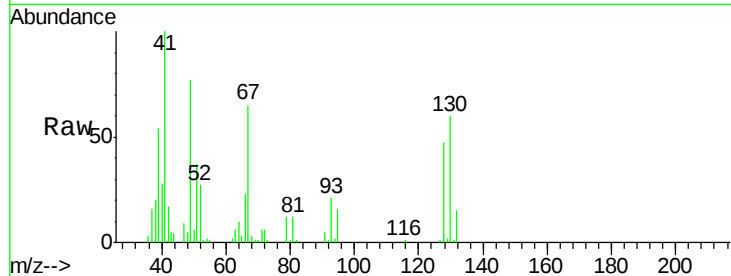
#41
Methacrylonitrile
Concen: 18.24 ug/l
RT: 7.17 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VN049907.D
Acq: 19 Jul 2018 11:16

Instrument :
MSVOA_N
ClientSampleId :
VN0719WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.3	45.4	68.2	
67	88.2	65.4	98.0	
52	37.0	24.7	37.1	

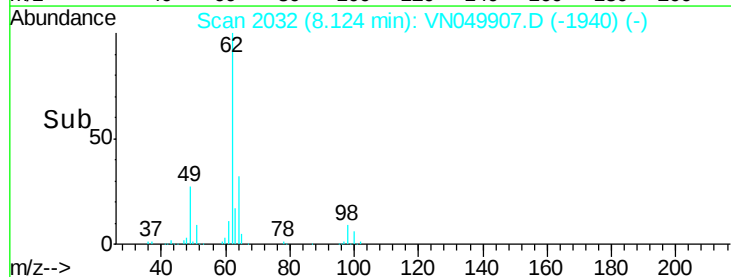
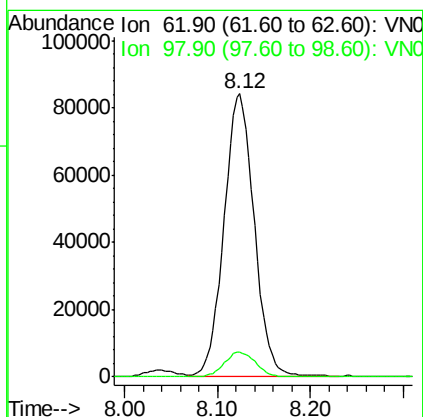
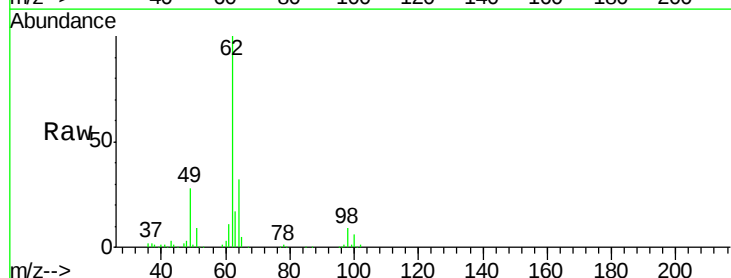
Manual Integrations
APPROVED

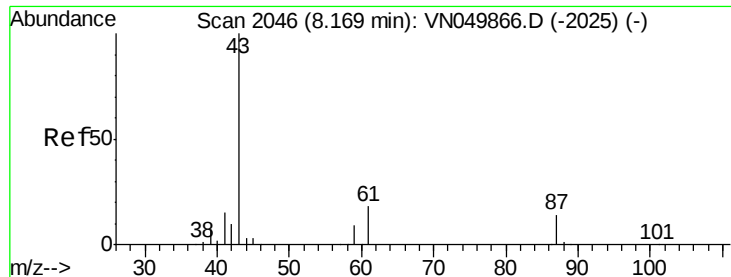
MMDadoda
7/20/2018 11:08:02 AM



#42
1,2-Dichloroethane
Concen: 19.66 ug/l
RT: 8.12 min Scan# 2032
Delta R.T. -0.00 min
Lab File: VN049907.D
Acq: 19 Jul 2018 11:16

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.2	0.0	19.0	





#43

Isopropyl Acetate

Concen: 19.67 ug/l

RT: 8.16 min Scan# 2044

Delta R.T. -0.01 min

Lab File: VN049907.D

Acq: 19 Jul 2018 11:16

Instrument :

MSVOA_N

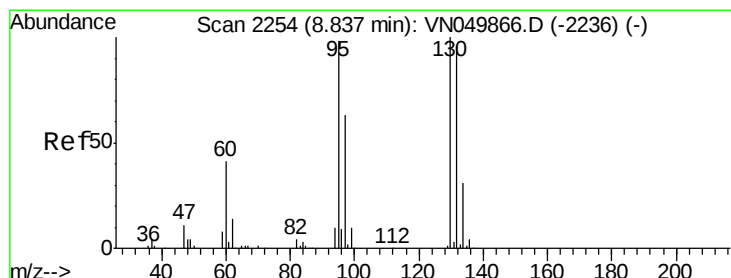
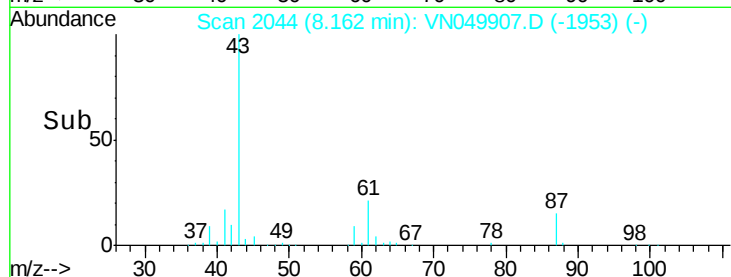
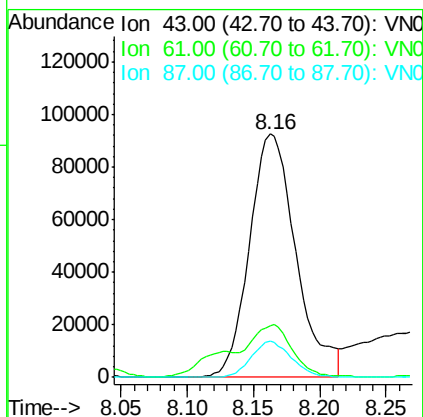
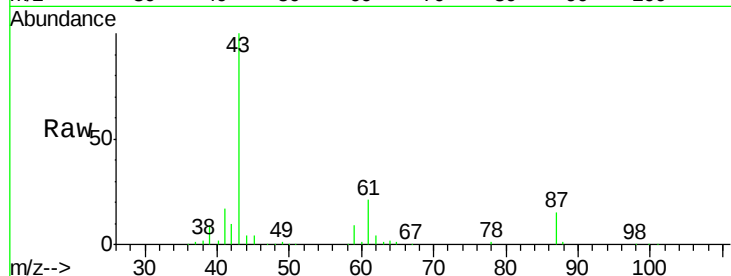
ClientSampleId :

VN0719WBS01

Tot Ion:	43	Resp:	224932
Ion	Ratio	Lower	Upper
43	100		
61	18.9	14.9	22.3
87	13.0	10.0	15.0

Manual Integrations
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#44

Trichloroethene

Concen: 20.16 ug/l

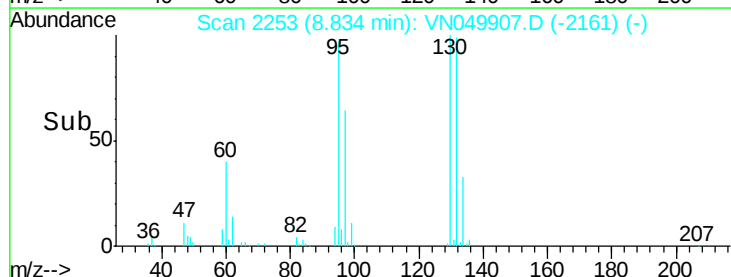
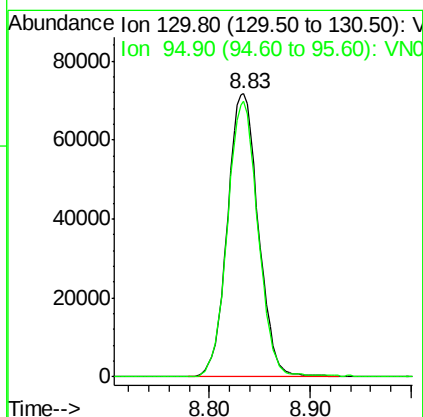
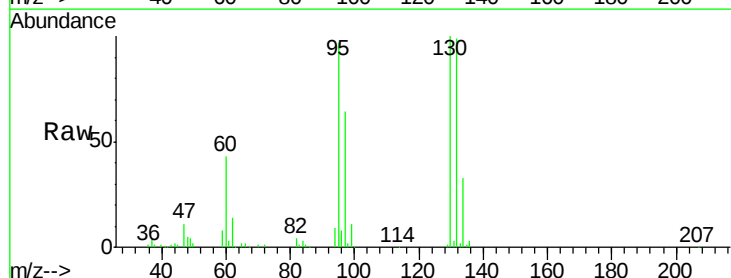
RT: 8.83 min Scan# 2253

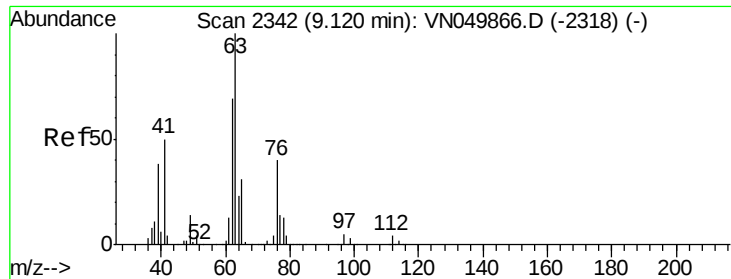
Delta R.T. -0.00 min

Lab File: VN049907.D

Acq: 19 Jul 2018 11:16

Tgt Ion:	130	Resp:	153611
Ion	Ratio	Lower	Upper
130	100		
95	97.4	0.0	192.8





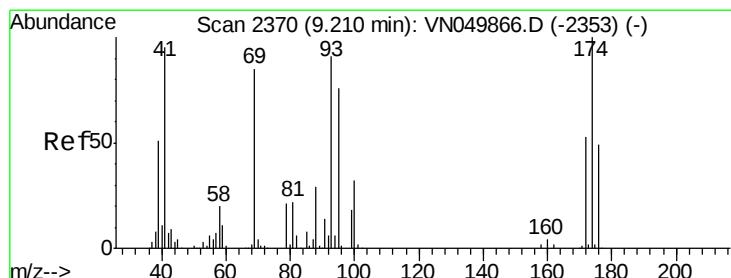
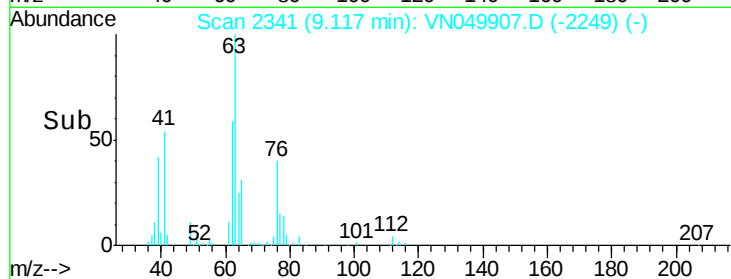
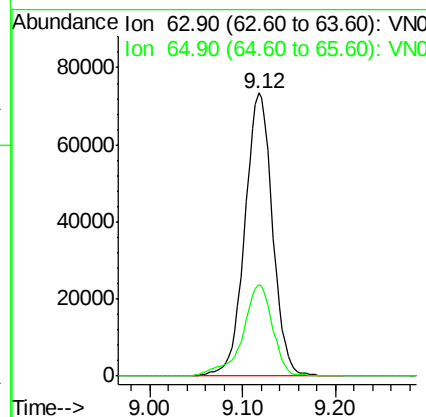
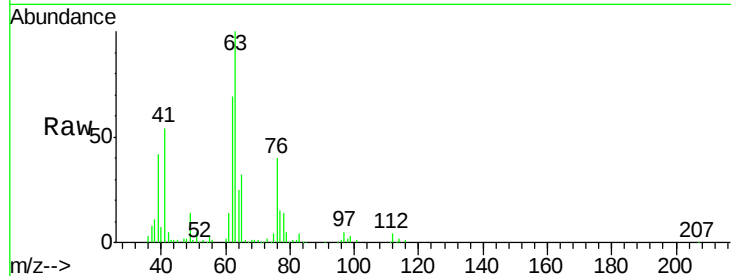
#45
 1,2-Dichloropropane
 Concen: 19.36 ug/l
 RT: 9.12 min Scan# 2341
 Delta R.T. -0.00 min
 Lab File: VN049907.D
 Acq: 19 Jul 2018 11:16

Instrument :
 MSVOA_N
 ClientSampled :
 VN0719WBS01

Tot Ion: 63 Resp: 151755
 Ion Ratio Lower Upper
 63 100
 65 32.2 24.7 37.1

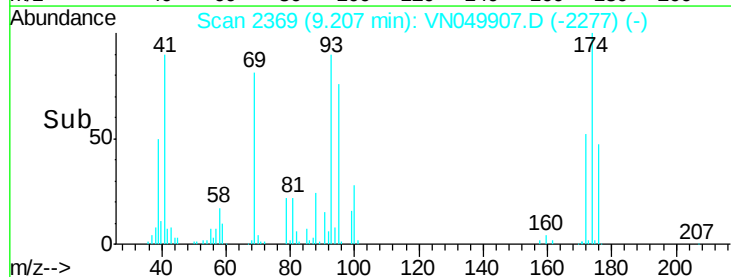
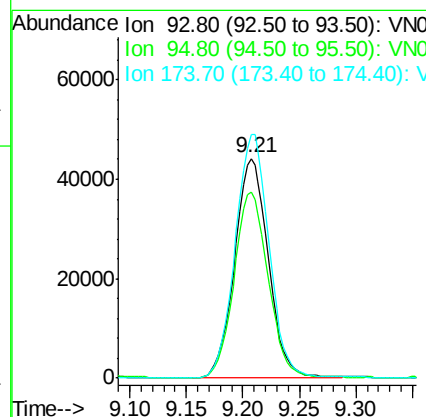
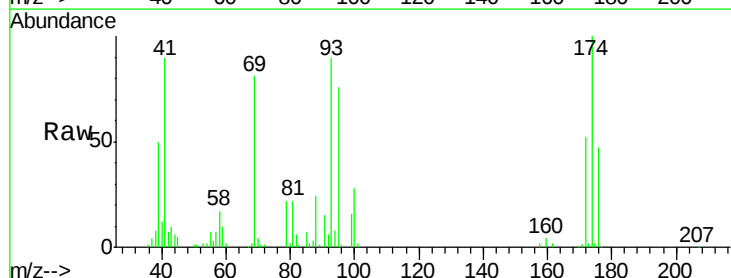
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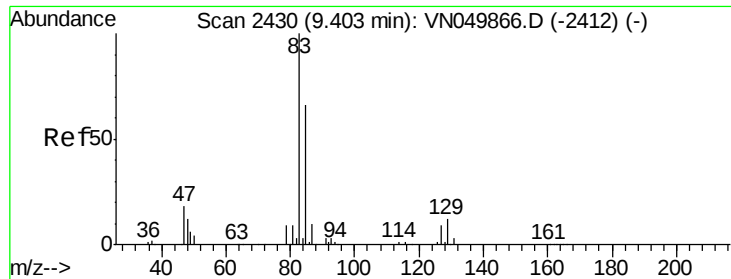
MMDadoda
 7/20/2018 11:08:02 AM



#46
 Dibromomethane
 Concen: 18.88 ug/l
 RT: 9.21 min Scan# 2369
 Delta R.T. -0.00 min
 Lab File: VN049907.D
 Acq: 19 Jul 2018 11:16

Tgt Ion: 93 Resp: 91804
 Ion Ratio Lower Upper
 93 100
 95 85.3 67.9 101.9
 174 111.7 89.4 134.0





#47

Bromodichloromethane

Concen: 19.97 ug/l

RT: 9.40 min Scan# 2429

Delta R.T. -0.00 min

Lab File: VN049907.D

Acq: 19 Jul 2018 11:16

Instrument :

MSVOA_N

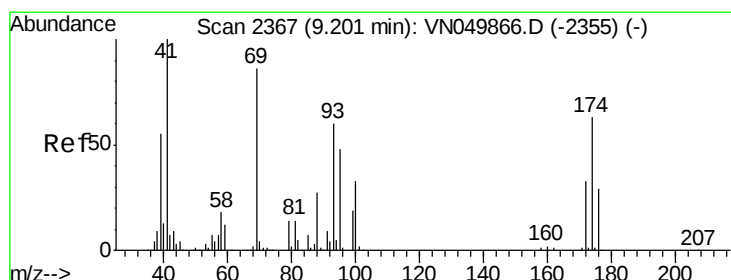
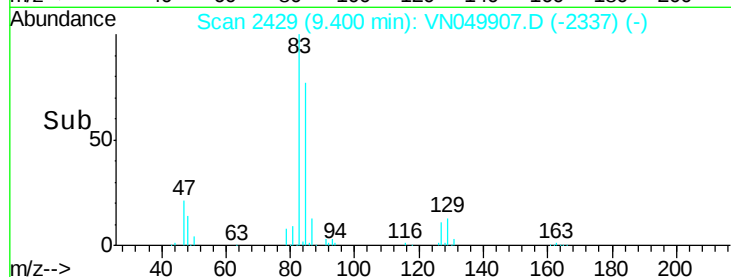
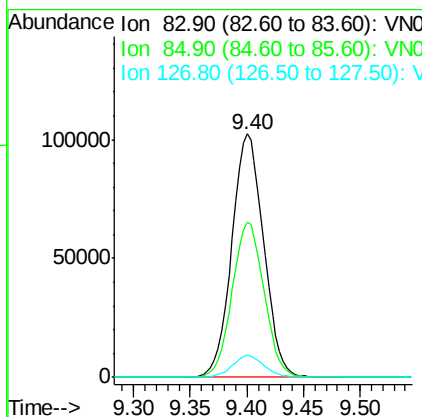
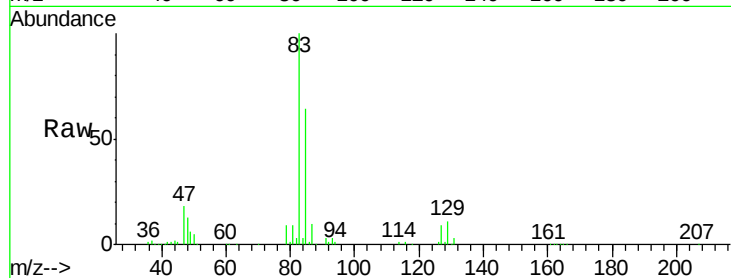
ClientSampleId :

VN0719WBS01

Tot Ion:	83	Resp:	200802
Ion Ratio	Lower	Upper	
83	100		
85	63.9	50.5	75.7
127	9.3	6.8	10.2

Manual Integrations
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MMDadoda
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#48

Methyl methacrylate

Concen: 18.68 ug/l

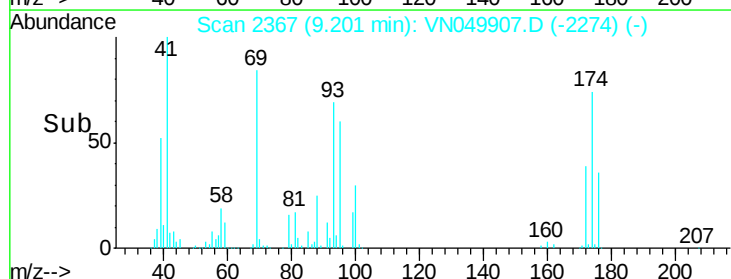
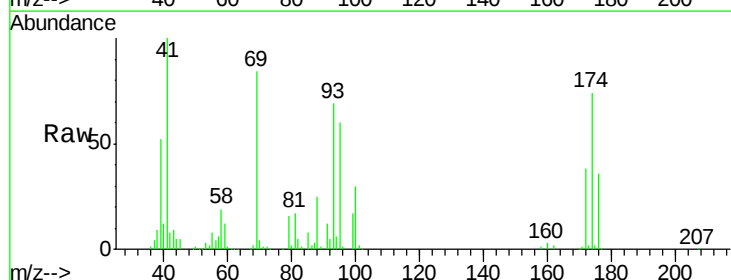
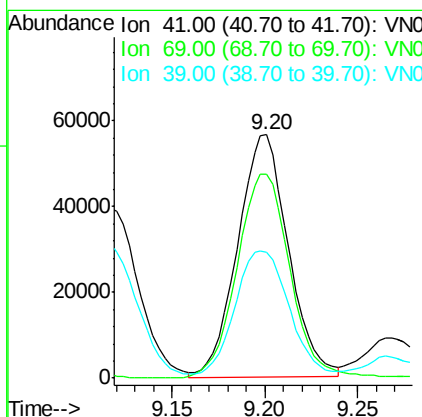
RT: 9.20 min Scan# 2367

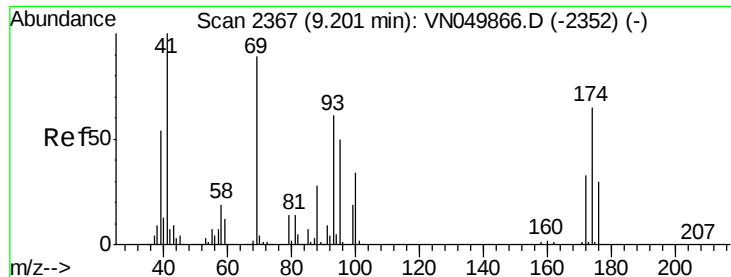
Delta R.T. 0.00 min

Lab File: VN049907.D

Acq: 19 Jul 2018 11:16

Tgt Ion:	41	Resp:	107157
Ion Ratio	Lower	Upper	
41	100		
69	87.5	71.5	107.3
39	56.3	44.7	67.1





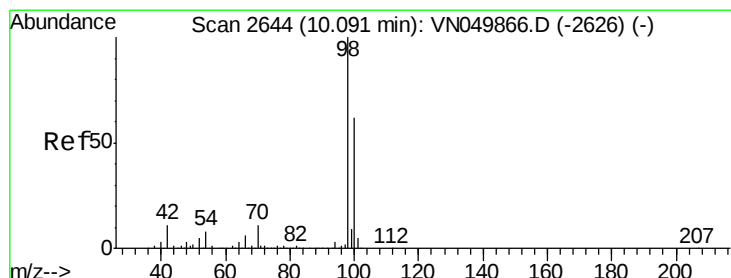
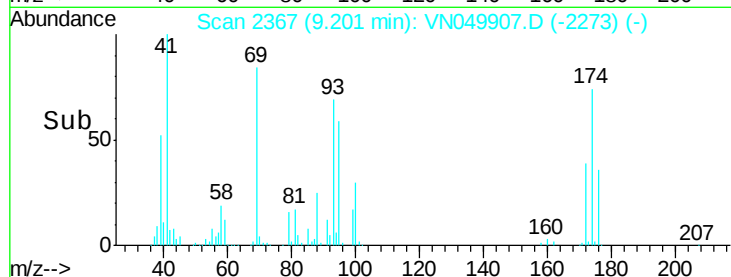
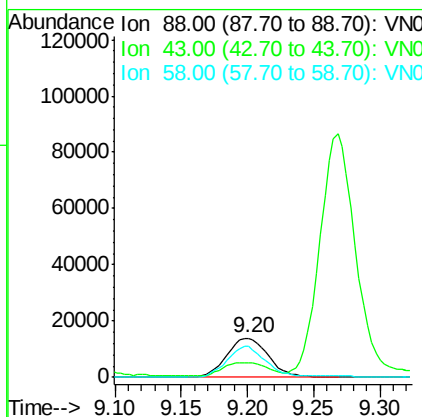
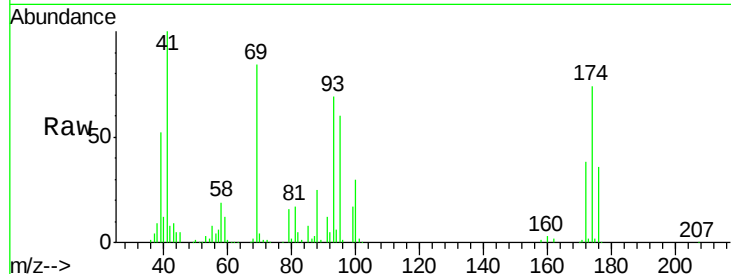
#49
1,4-Dioxane
Concen: 376.50 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN049907.D
Acq: 19 Jul 2018 11:16

Instrument :
MSVOA_N
ClientSampleId :
VN0719WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.1	25.1	37.7
58	73.2	52.5	78.7

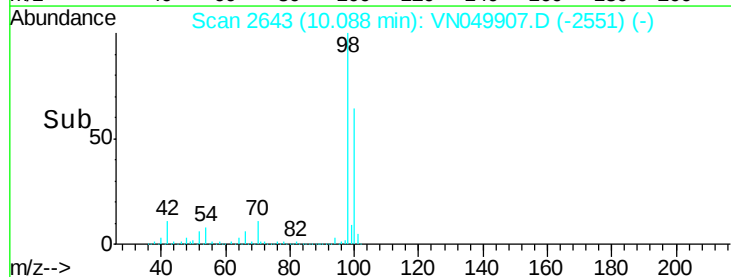
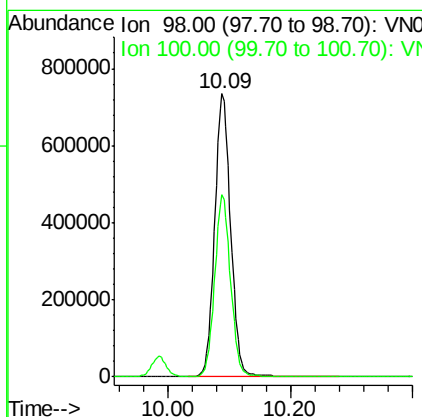
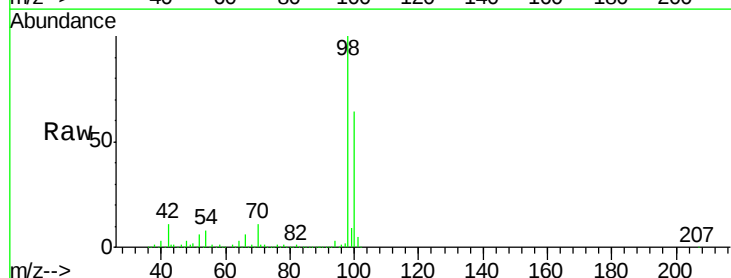
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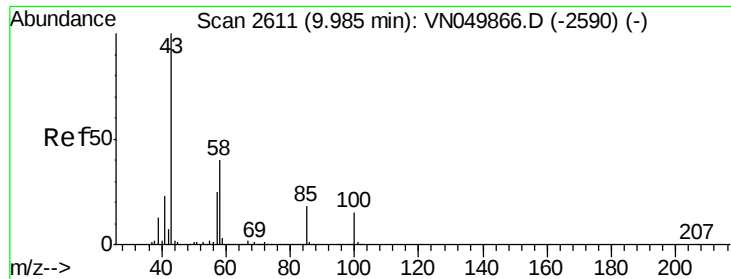
MMDadoda
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#50
Toluene-d8
Concen: 51.19 ug/l
RT: 10.09 min Scan# 2643
Delta R.T. -0.00 min
Lab File: VN049907.D
Acq: 19 Jul 2018 11:16

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.5	51.7	77.5





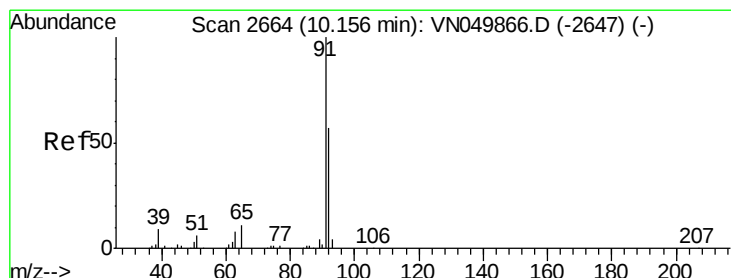
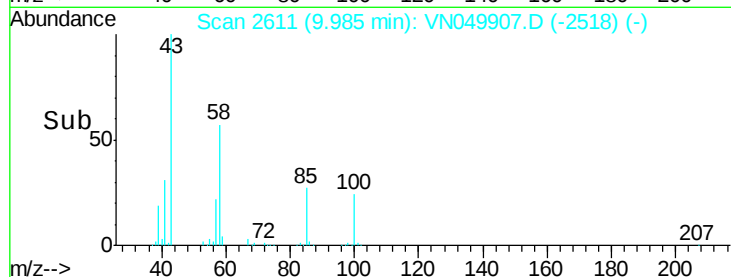
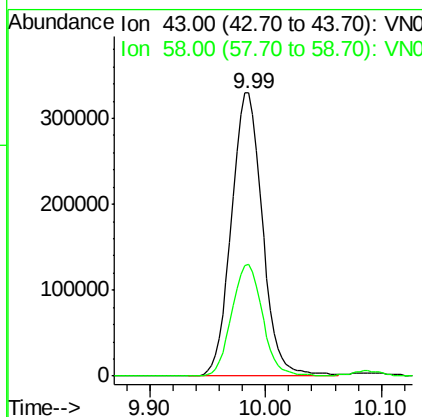
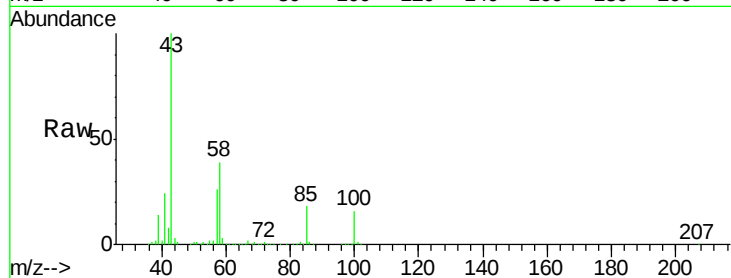
#51
4-Methyl-2-Pentanone
Concen: 95.33 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. 0.00 min
Lab File: VN049907.D
Acq: 19 Jul 2018 11:16

Instrument :
MSVOA_N
ClientSampled :
VN0719WBS01

Tot Ion: 43 Resp: 609507
Ion Ratio Lower Upper
43 100
58 39.4 31.8 47.8

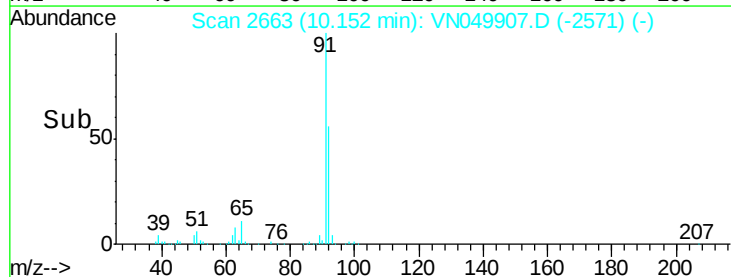
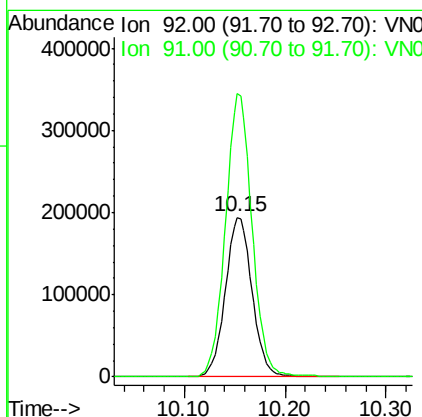
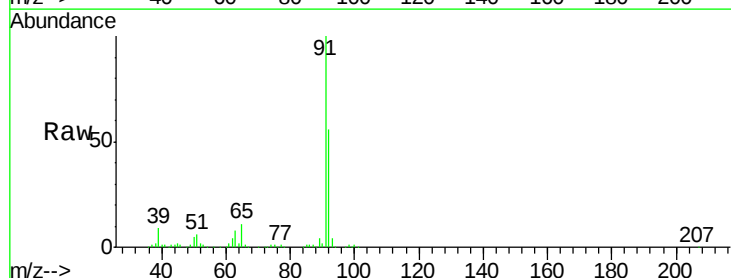
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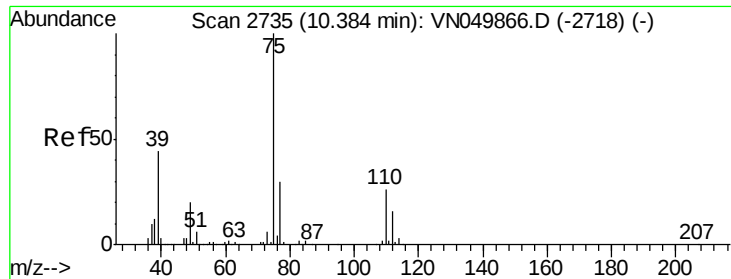
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#52
Toluene
Concen: 20.78 ug/l
RT: 10.15 min Scan# 2663
Delta R.T. -0.00 min
Lab File: VN049907.D
Acq: 19 Jul 2018 11:16

Tgt Ion: 92 Resp: 360217
Ion Ratio Lower Upper
92 100
91 176.3 140.1 210.1





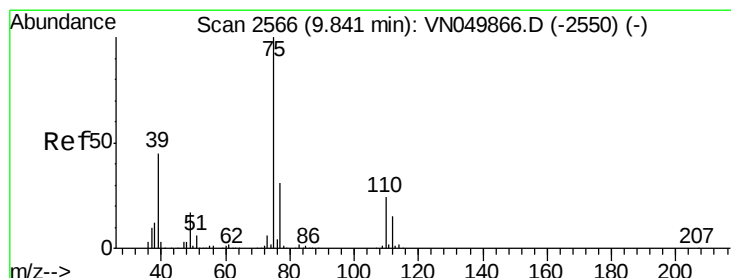
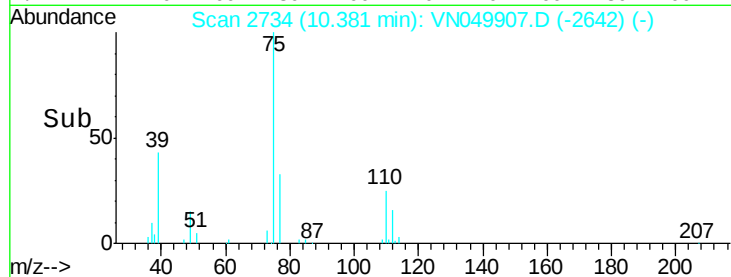
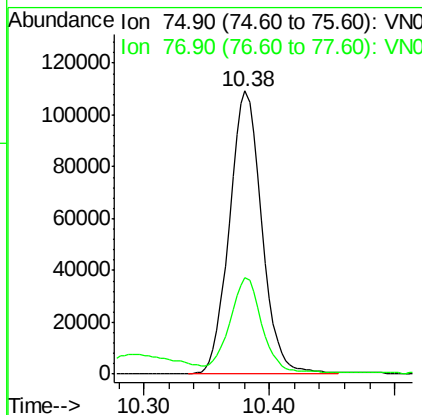
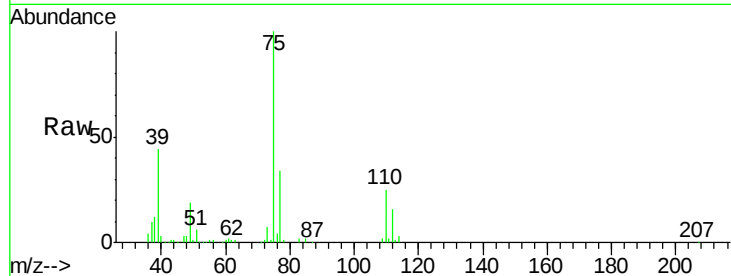
#53
t-1,3-Dichloropropene
Concen: 19.64 ug/l
RT: 10.38 min Scan# 2734
Delta R.T. -0.00 min
Lab File: VN049907.D
Acq: 19 Jul 2018 11:16

Instrument :
MSVOA_N
ClientSampled :
VN0719WBS01

Tot Ion: 75 Resp: 195289
Ion Ratio Lower Upper
75 100
77 33.2 25.2 37.8

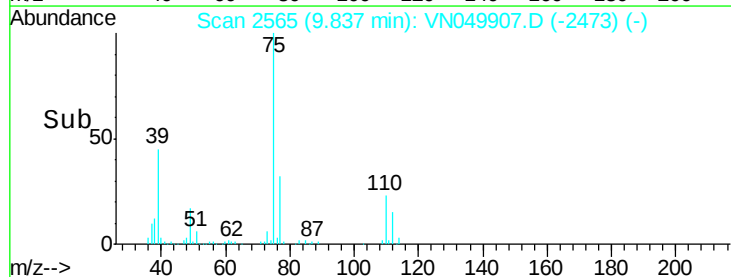
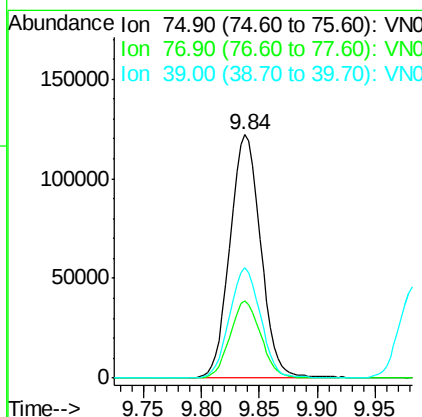
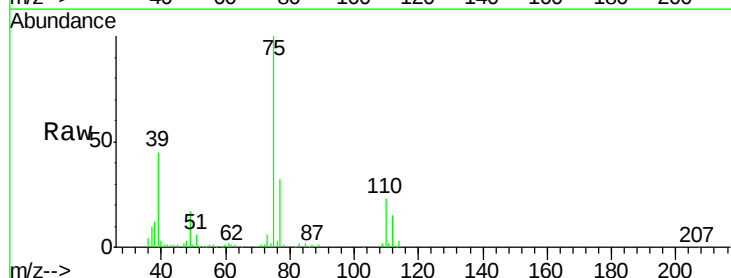
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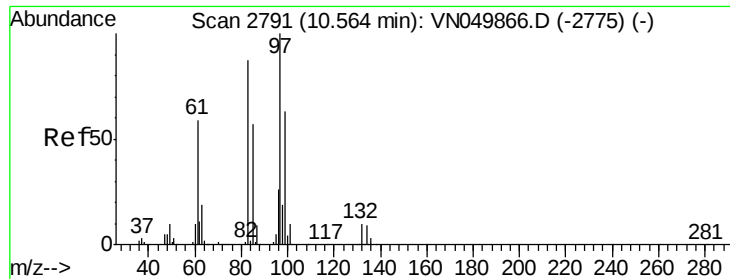
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#54
cis-1,3-Dichloropropene
Concen: 20.44 ug/l
RT: 9.84 min Scan# 2565
Delta R.T. -0.00 min
Lab File: VN049907.D
Acq: 19 Jul 2018 11:16

Tgt Ion: 75 Resp: 224628
Ion Ratio Lower Upper
75 100
77 31.8 25.3 37.9
39 45.1 35.5 53.3





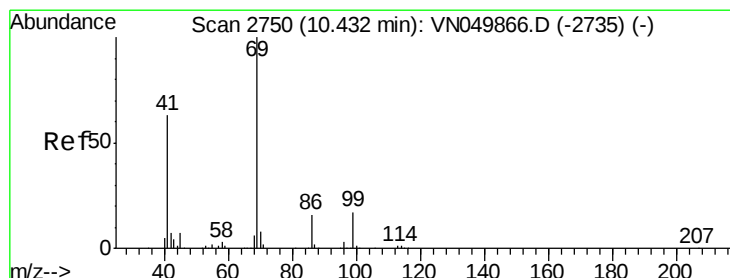
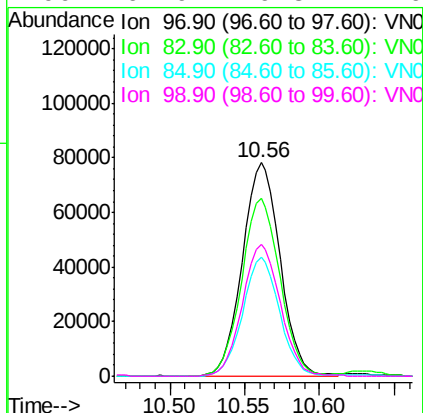
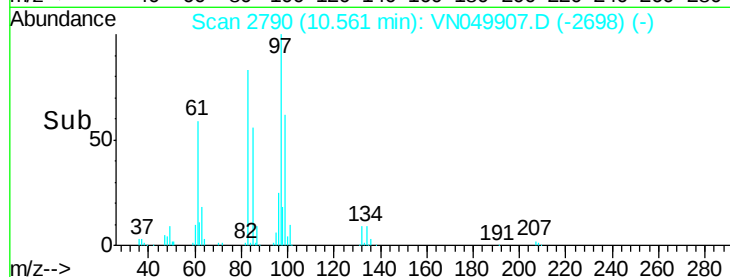
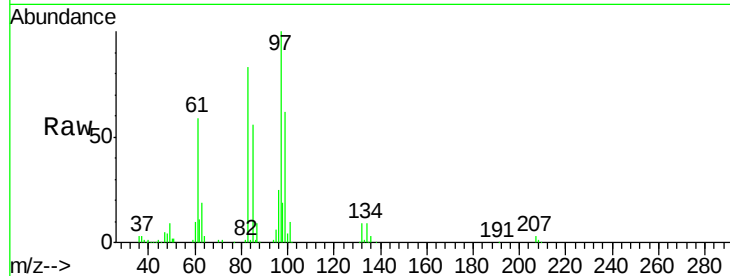
#55
 1,1,2-Trichloroethane
 Concen: 19.25 ug/l
 RT: 10.56 min Scan# 2790
 Delta R.T. -0.00 min
 Lab File: VN049907.D
 Acq: 19 Jul 2018 11:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0719WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		137848		
83	83.1	69.0	103.6		
85	55.9	44.9	67.3		
99	61.9	49.8	74.6		

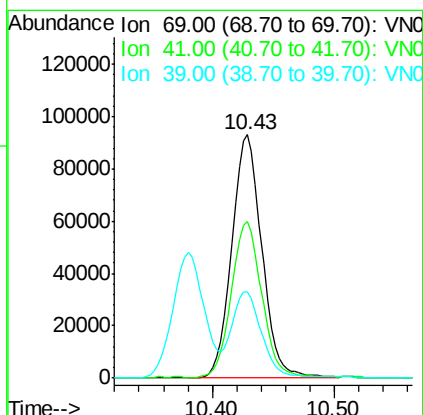
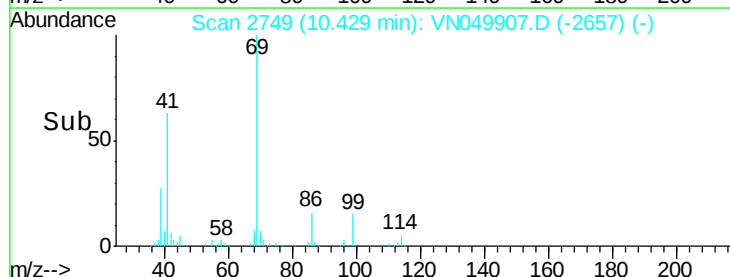
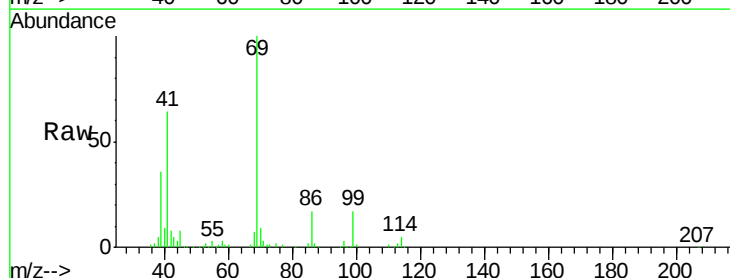
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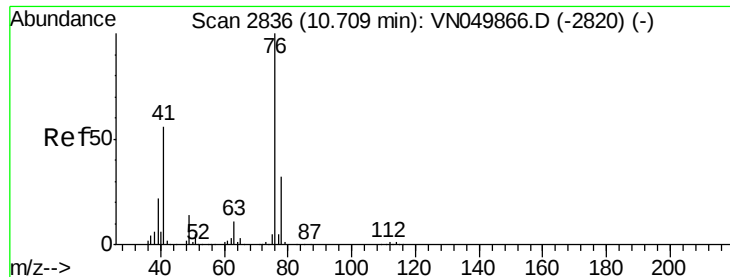
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#56
 Ethyl methacrylate
 Concen: 18.06 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. -0.00 min
 Lab File: VN049907.D
 Acq: 19 Jul 2018 11:16

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		159775		
41	64.6	51.6	77.4		
39	34.9	25.8	38.8		





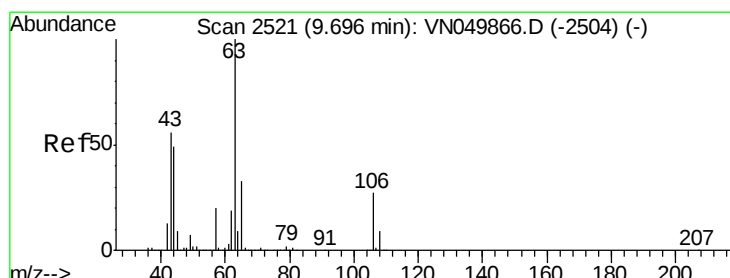
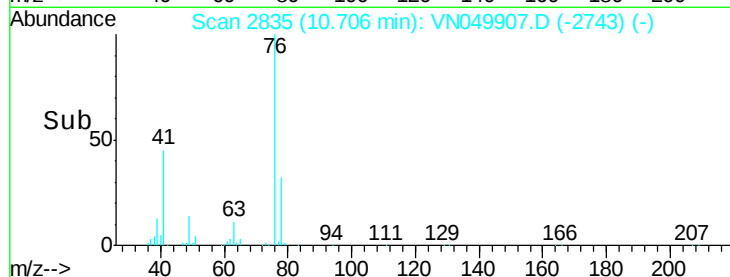
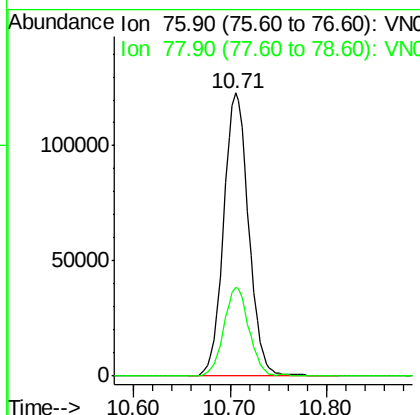
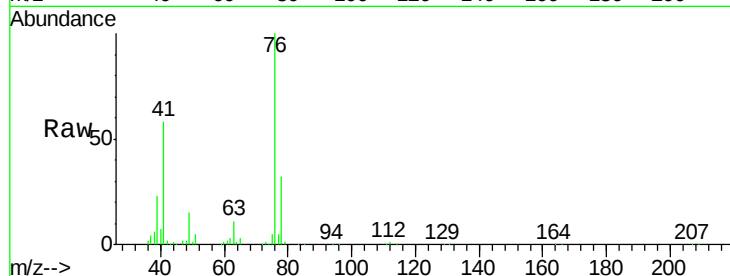
#57
 1,3-Dichloropropane
 Concen: 19.55 ug/l
 RT: 10.71 min Scan# 2835
 Delta R.T. -0.00 min
 Lab File: VN049907.D
 Acq: 19 Jul 2018 11:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0719WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.5	25.8	38.8

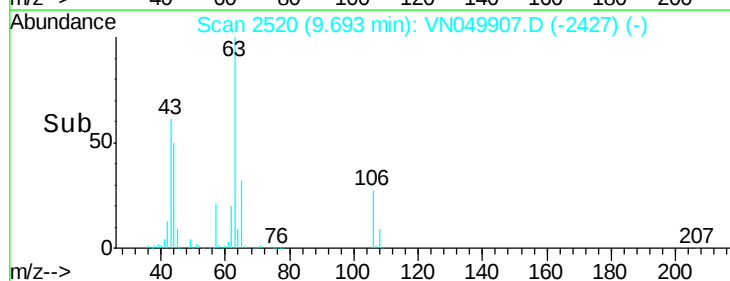
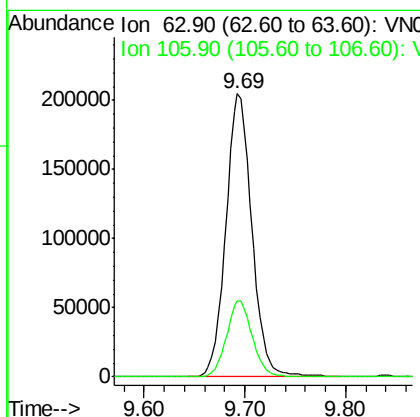
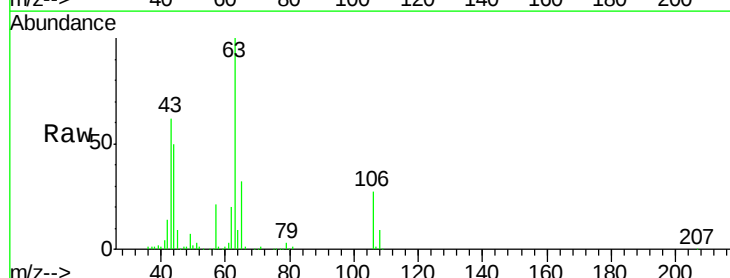
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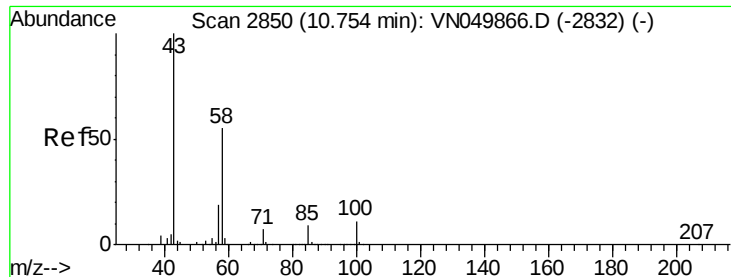
MMDadoda
 7/20/2018 11:08:02 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 88.09 ug/l
 RT: 9.69 min Scan# 2520
 Delta R.T. -0.00 min
 Lab File: VN049907.D
 Acq: 19 Jul 2018 11:16

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.8	21.8	32.8





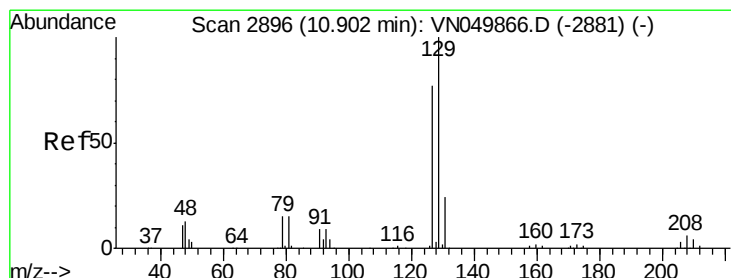
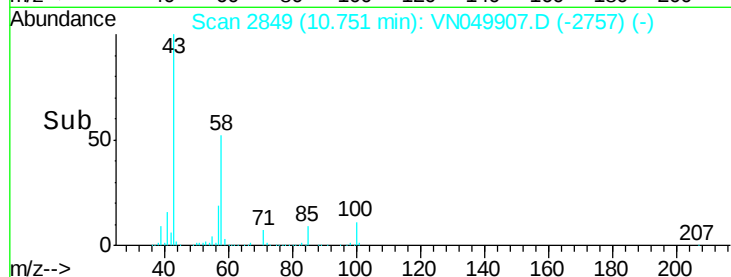
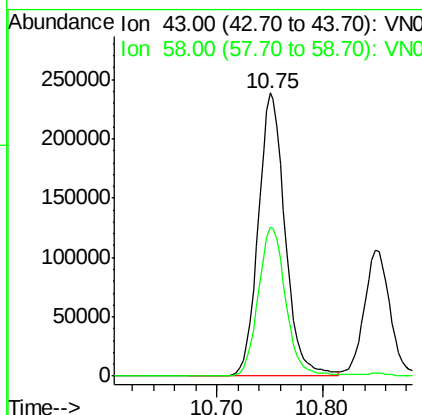
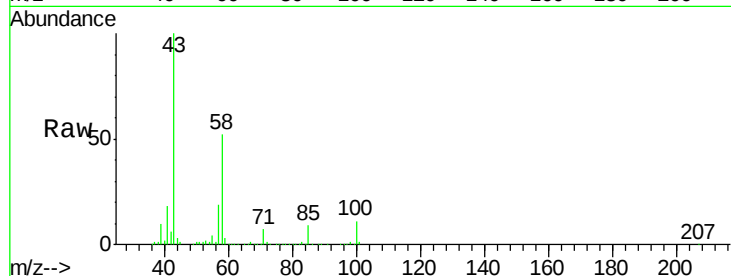
#59
2-Hexanone
Concen: 97.98 ug/l
RT: 10.75 min Scan# 2849
Delta R.T. -0.00 min
Lab File: VN049907.D
Acq: 19 Jul 2018 11:16

Instrument :
MSVOA_N
ClientSampleId :
VN0719WBS01

Tot Ion: 43 Resp: 420768
Ion Ratio Lower Upper
43 100
58 54.1 27.8 83.4

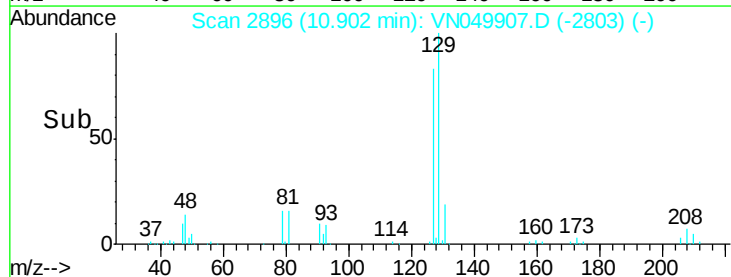
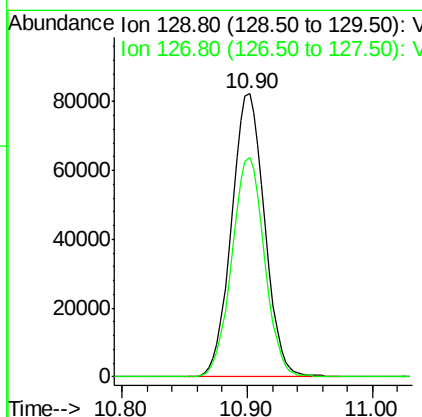
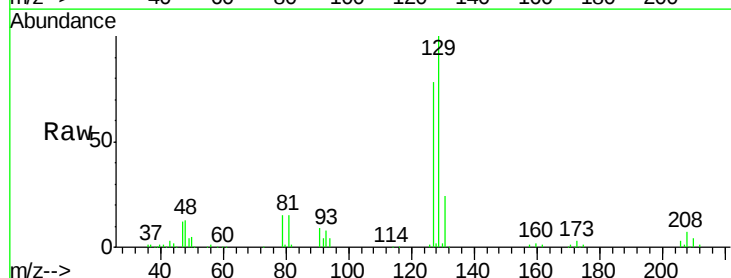
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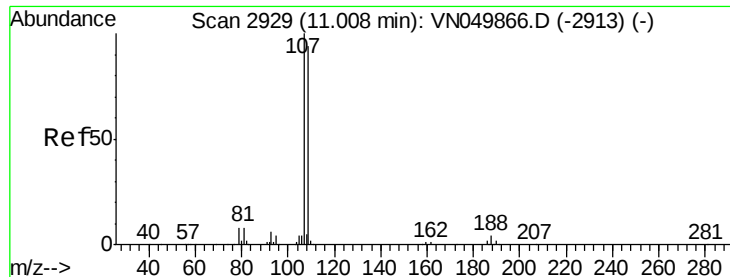
MMDadoda
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#60
Dibromochloromethane
Concen: 19.20 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. 0.00 min
Lab File: VN049907.D
Acq: 19 Jul 2018 11:16

Tgt Ion: 129 Resp: 150734
Ion Ratio Lower Upper
129 100
127 76.7 38.3 114.9





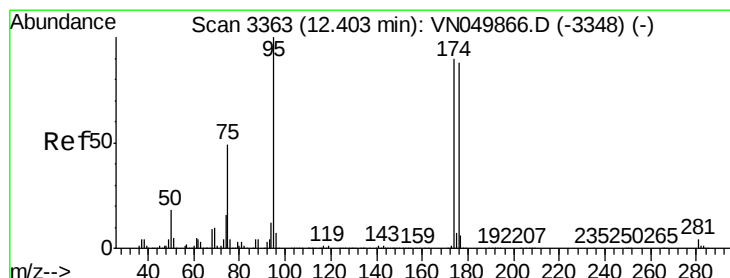
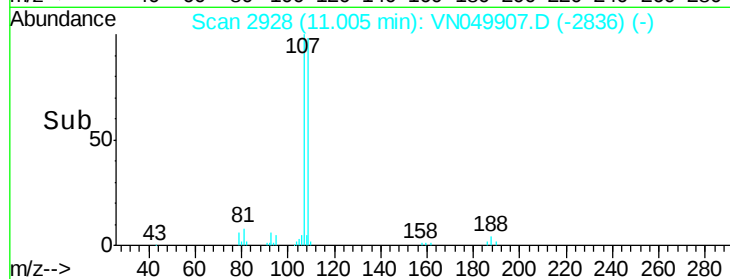
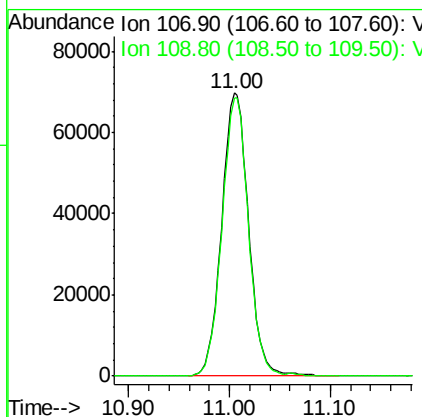
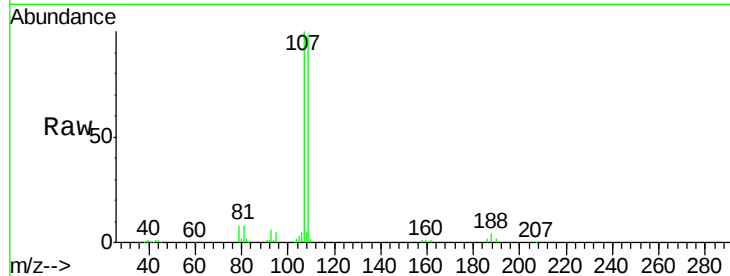
#61
 1,2-Dibromoethane
 Concen: 19.45 ug/l
 RT: 11.00 min Scan# 2928
 Delta R.T. -0.00 min
 Lab File: VN049907.D
 Acq: 19 Jul 2018 11:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0719WBS01

Tot Ion	Ratio	Resp	Lower	Upper
107	100	130135		
109	96.3	75.0	112.6	

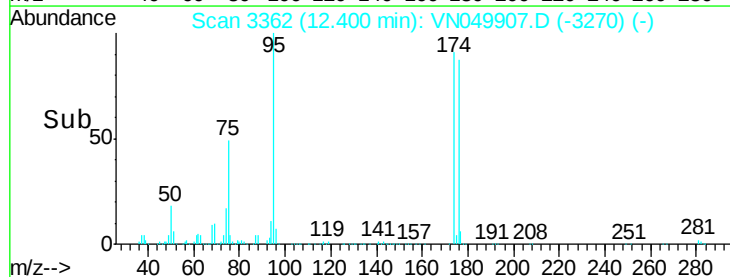
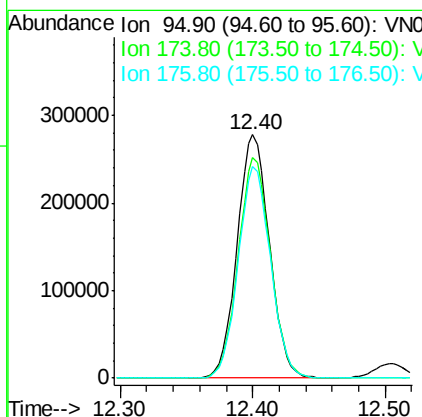
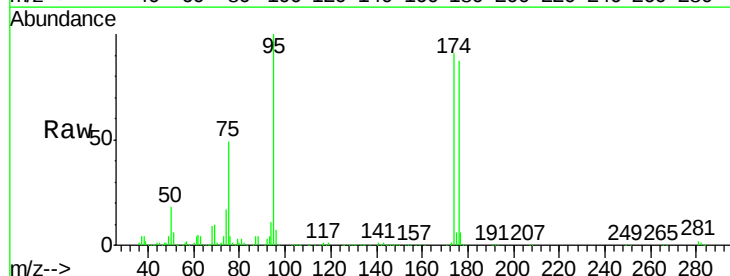
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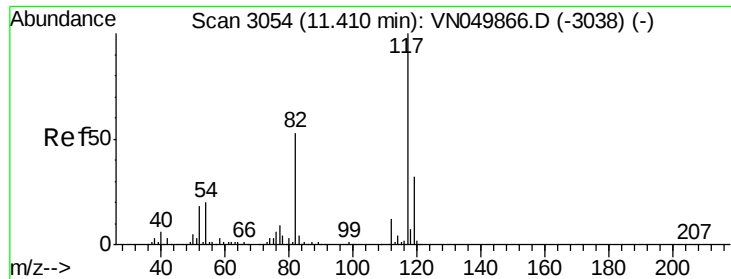
MMDadoda
 7/20/2018 11:08:02 AM



#62
 4-Bromofluorobenzene
 Concen: 52.06 ug/l
 RT: 12.40 min Scan# 3362
 Delta R.T. -0.00 min
 Lab File: VN049907.D
 Acq: 19 Jul 2018 11:16

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	470249		
174	90.7	0.0	179.6	
176	86.9	0.0	174.0	





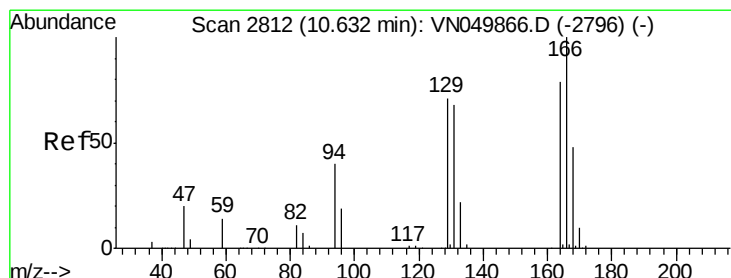
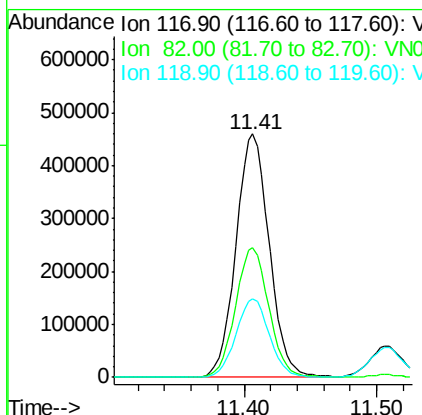
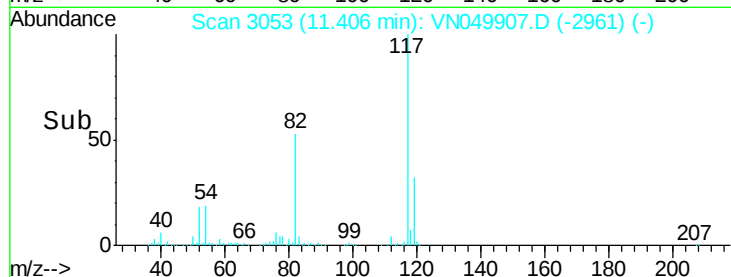
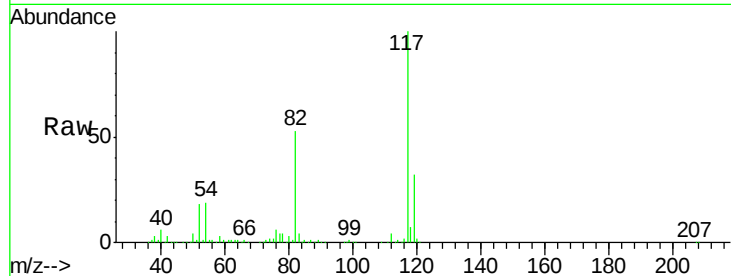
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3053
Delta R.T. -0.00 min
Lab File: VN049907.D
Acq: 19 Jul 2018 11:16

Instrument :
MSVOA_N
ClientSampleId :
VN0719WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.1	41.9	62.9
119	32.5	25.4	38.2

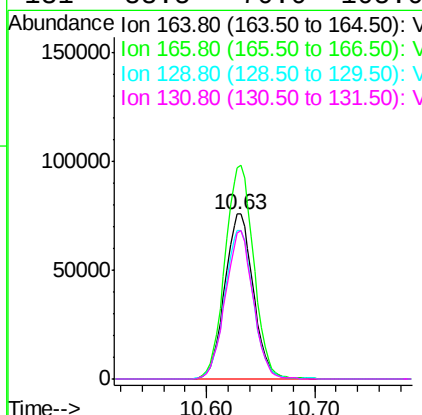
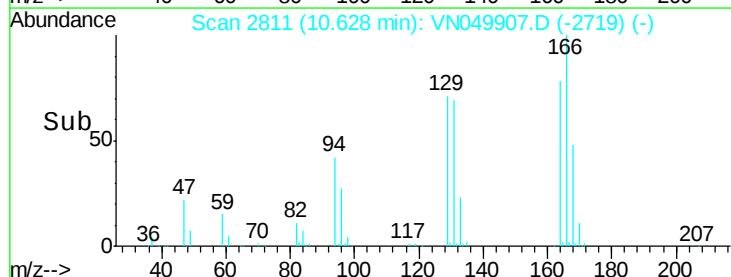
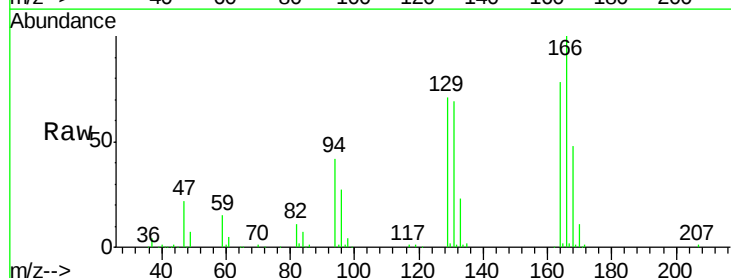
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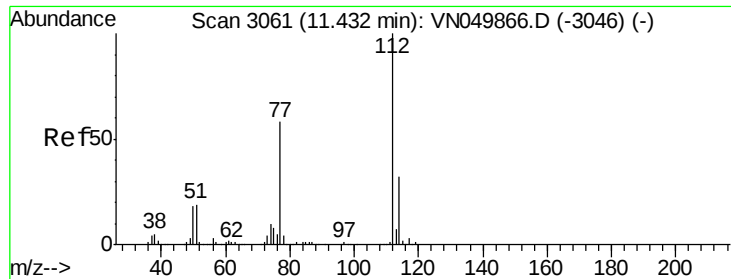
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#64
Tetrachloroethene
Concen: 19.37 ug/l
RT: 10.63 min Scan# 2811
Delta R.T. -0.00 min
Lab File: VN049907.D
Acq: 19 Jul 2018 11:16

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.7	101.8	152.6
129	90.2	72.8	109.2
131	88.5	70.0	105.0





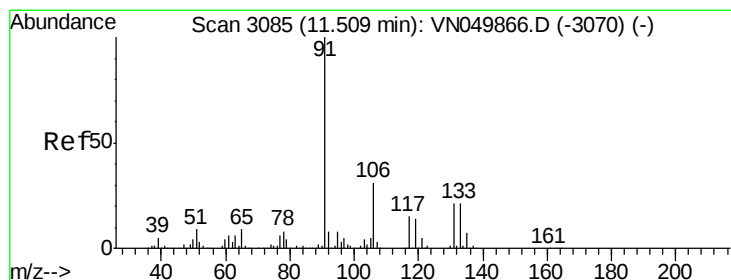
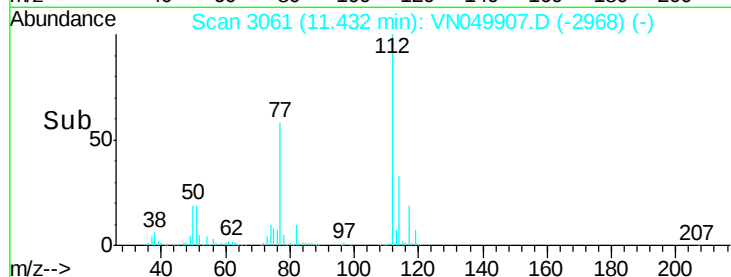
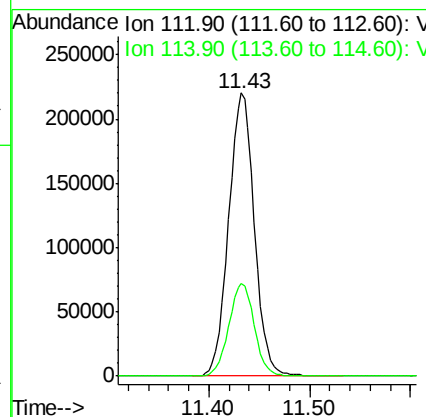
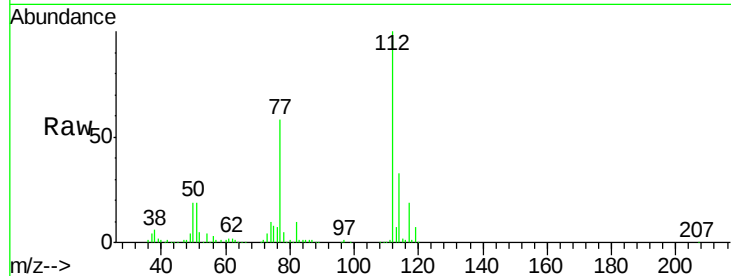
#65
Chlorobenzene
Concen: 19.46 ug/l
RT: 11.43 min Scan# 3061
Delta R.T. 0.00 min
Lab File: VN049907.D
Acq: 19 Jul 2018 11:16

Instrument :
MSVOA_N
ClientSampleId :
VN0719WBS01

Tot Ion:112 Resp: 391720
Ion Ratio Lower Upper
112 100
114 32.9 25.4 38.0

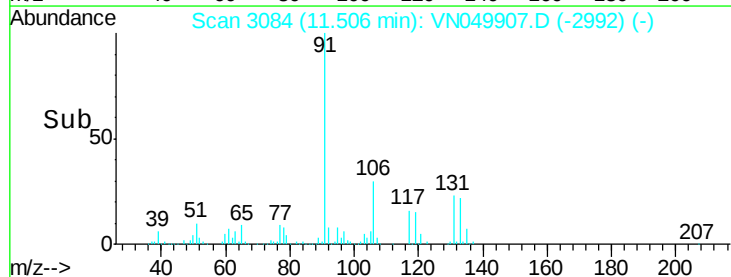
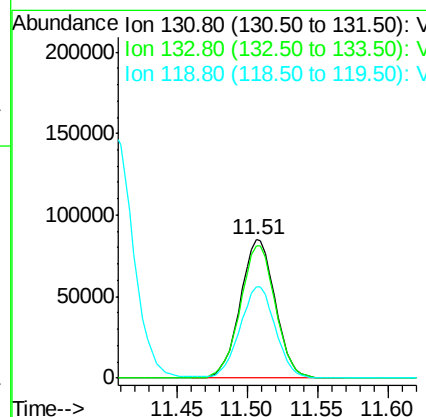
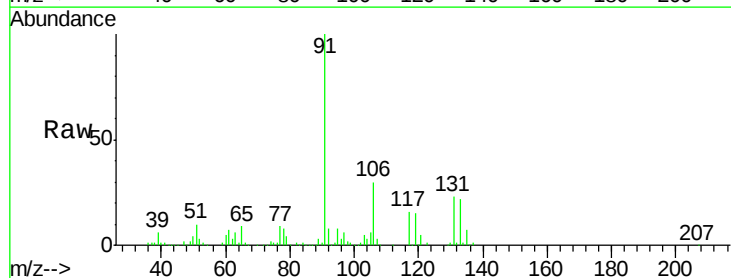
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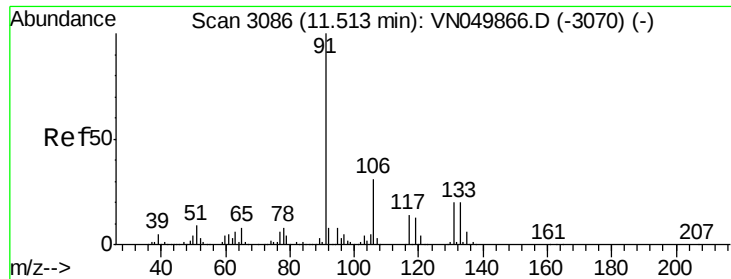
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.94 ug/l
RT: 11.51 min Scan# 3084
Delta R.T. -0.00 min
Lab File: VN049907.D
Acq: 19 Jul 2018 11:16

Tgt Ion:131 Resp: 147662
Ion Ratio Lower Upper
131 100
133 96.3 47.5 142.6
119 66.9 33.1 99.3





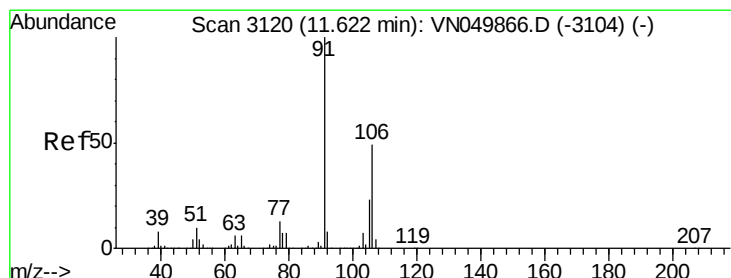
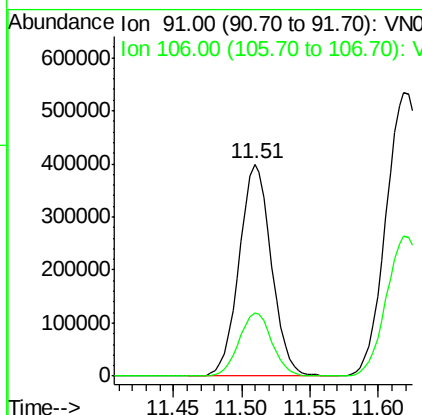
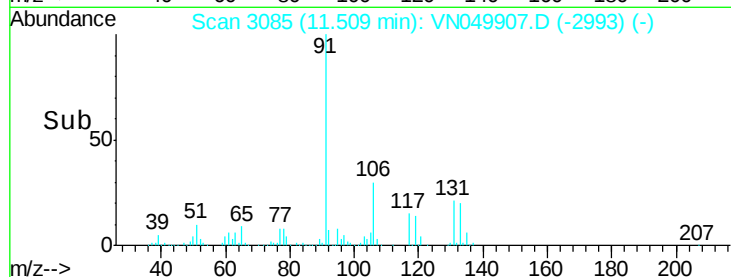
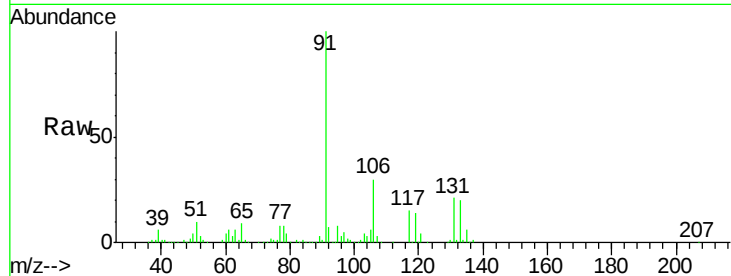
#67
Ethyl Benzene
Concen: 20.08 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN049907.D
Acq: 19 Jul 2018 11:16

Instrument :
MSVOA_N
ClientSampled :
VN0719WBS01

Tot Ion: 91 Resp: 65582
Ion Ratio Lower Upper
91 100
106 29.9 24.8 37.2

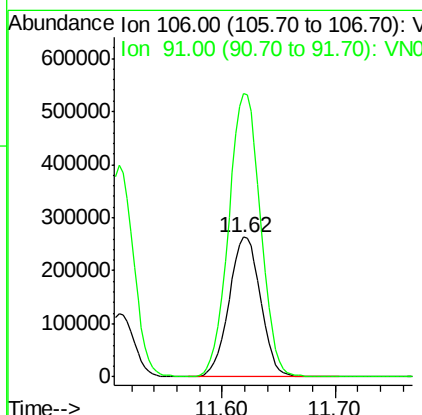
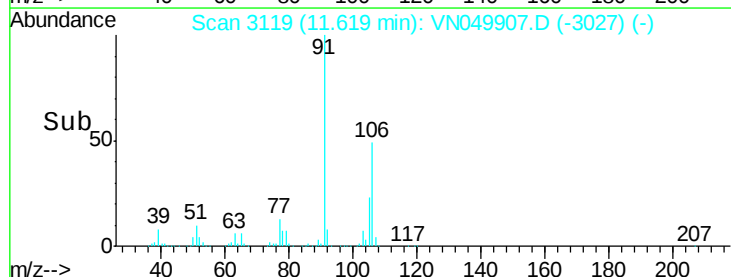
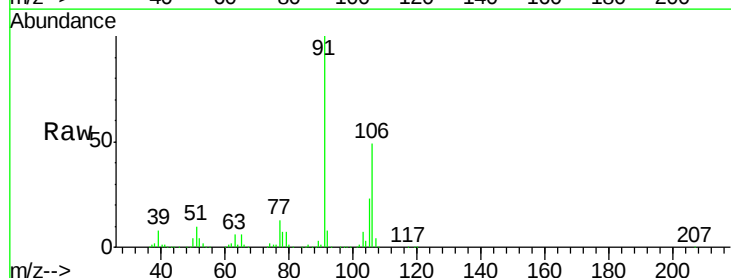
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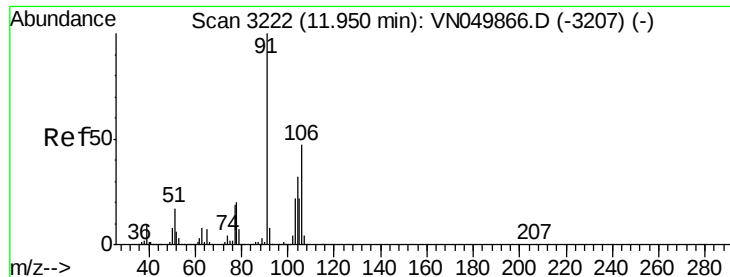
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#68
m/p-Xylenes
Concen: 41.31 ug/l
RT: 11.62 min Scan# 3119
Delta R.T. -0.00 min
Lab File: VN049907.D
Acq: 19 Jul 2018 11:16

Tgt Ion: 106 Resp: 510677
Ion Ratio Lower Upper
106 100
91 204.4 163.4 245.2





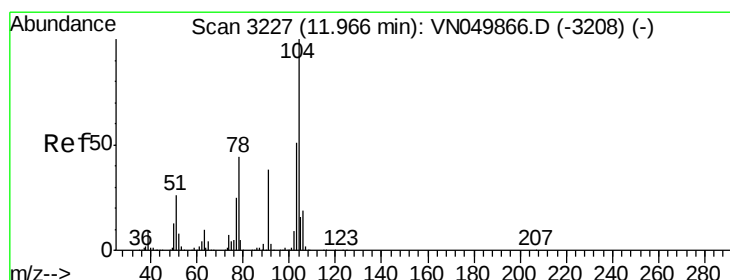
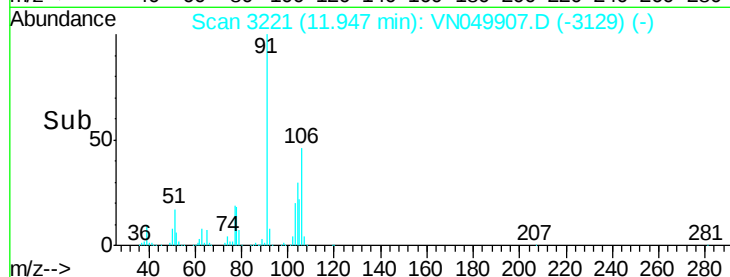
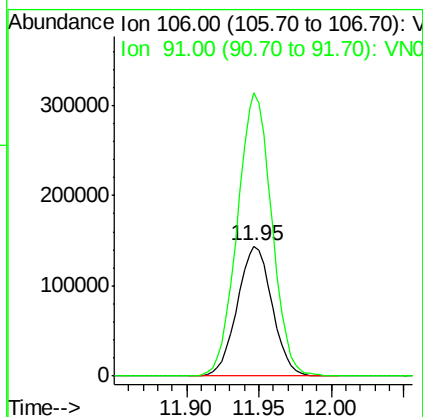
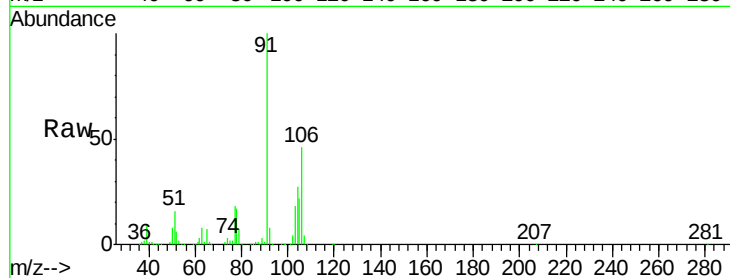
#69
o-Xylene
Concen: 20.28 ug/l
RT: 11.95 min Scan# 3221
Delta R.T. -0.00 min
Lab File: VN049907.D
Acq: 19 Jul 2018 11:16

Instrument :
MSVOA_N
ClientSampleId :
VN0719WBS01

Tot Ion:106 Resp: 240826
Ion Ratio Lower Upper
106 100
91 215.4 108.7 326.1

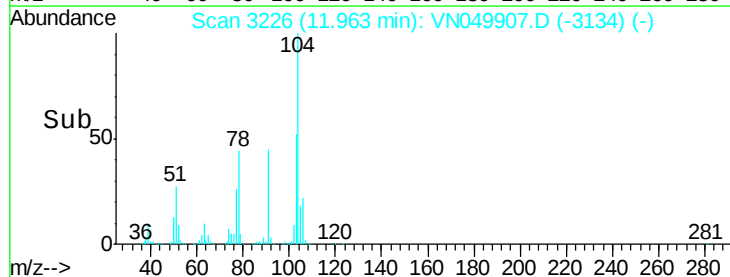
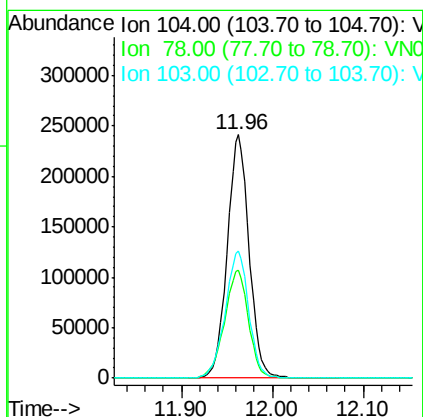
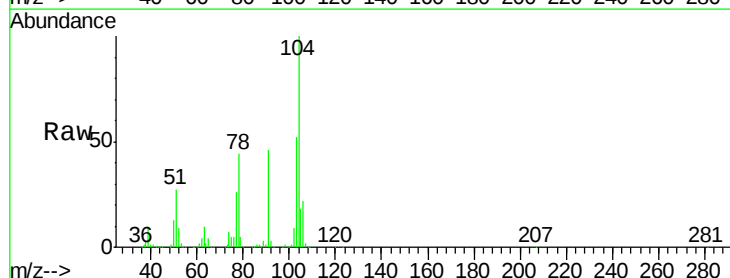
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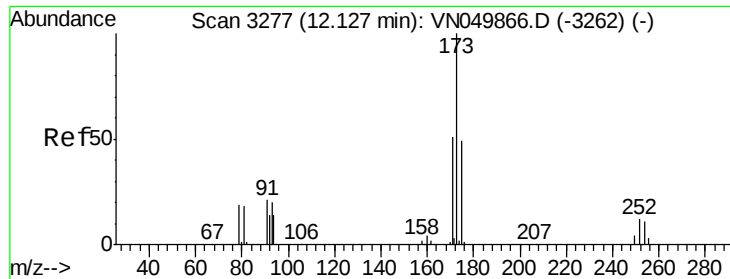
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#70
Styrene
Concen: 20.89 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. -0.00 min
Lab File: VN049907.D
Acq: 19 Jul 2018 11:16

Tgt Ion:104 Resp: 401737
Ion Ratio Lower Upper
104 100
78 49.0 39.2 58.8
103 56.6 44.6 67.0





#71

Bromoform

Concen: 18.95 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN049907.D

Acq: 19 Jul 2018 11:16

Instrument :

MSVOA_N

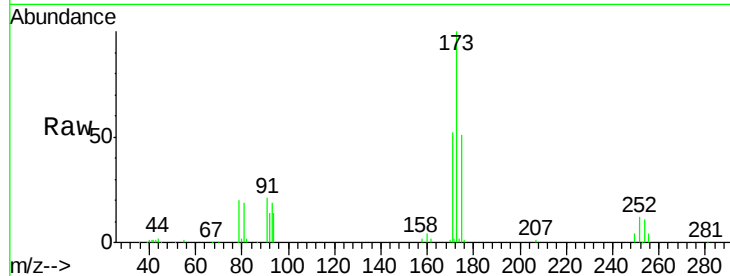
ClientSampleId :

VN0719WBS01

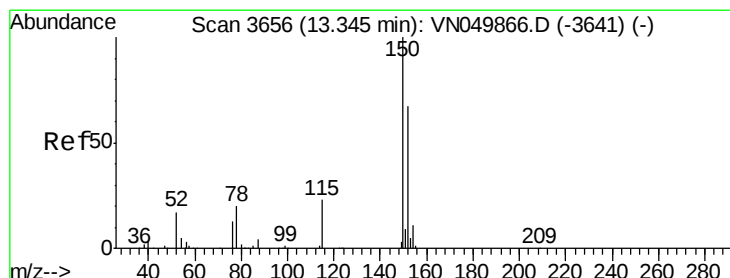
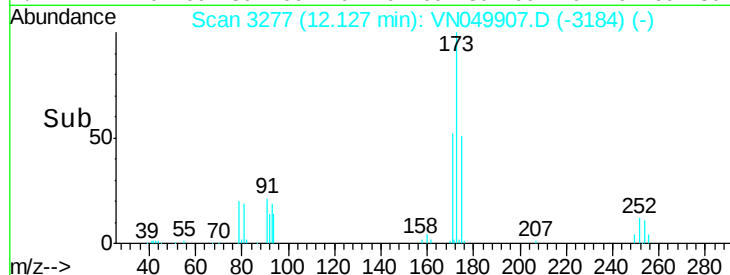
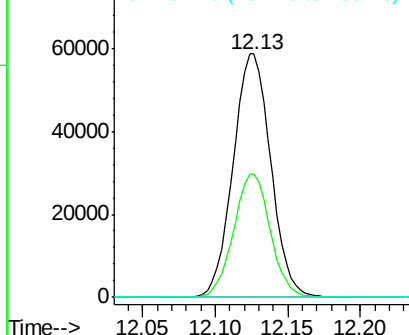
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.2	24.6	73.8
254	0.0	0.2	0.2

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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

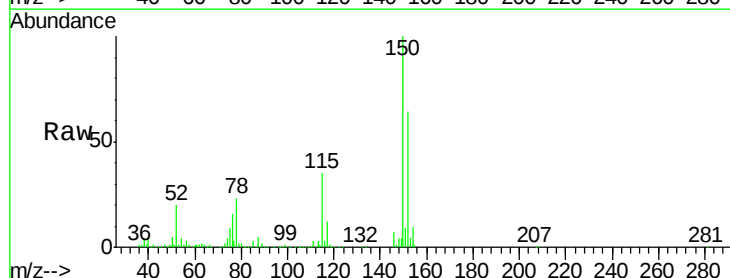
RT: 13.34 min Scan# 3655

Delta R.T. -0.00 min

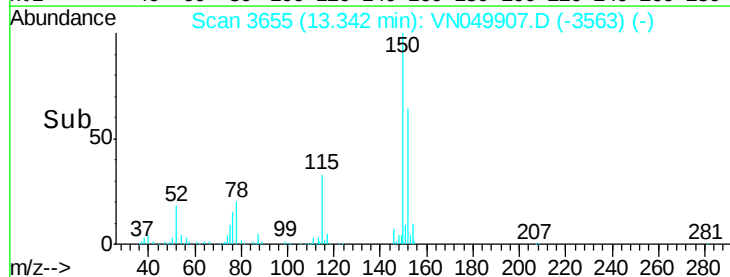
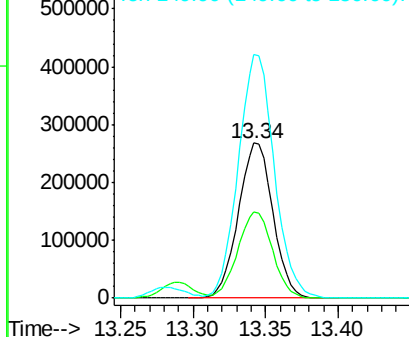
Lab File: VN049907.D

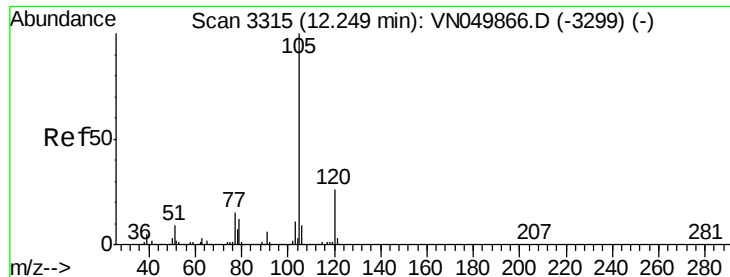
Acq: 19 Jul 2018 11:16

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.2	28.1	84.2
150	164.0	0.0	347.6



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





#73

Isopropylbenzene

Concen: 19.34 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. 0.00 min

Lab File: VN049907.D

Acq: 19 Jul 2018 11:16

Instrument :

MSVOA_N

ClientSampled :

VN0719WBS01

Tot Ion: 105 Resp: 652598

Ion Ratio Lower Upper

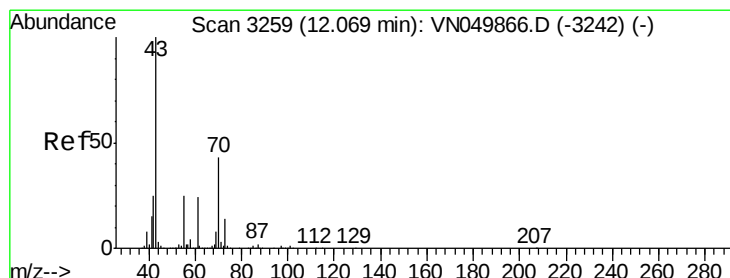
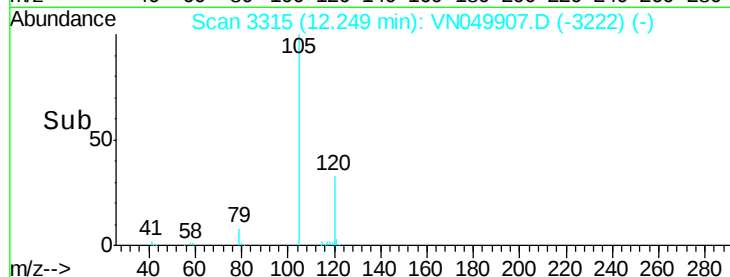
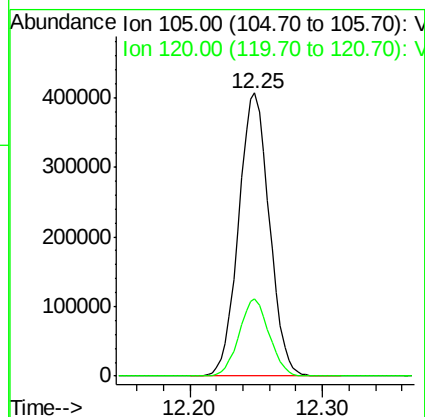
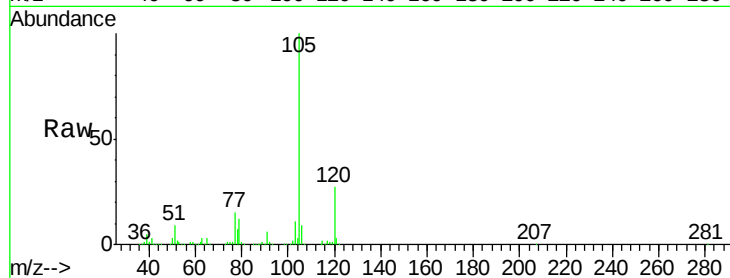
105 100

120 26.7 13.3 39.8

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#74

N-ethyl acetate

Concen: 17.81 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN049907.D

Acq: 19 Jul 2018 11:16

Tgt Ion: 43 Resp: 182991

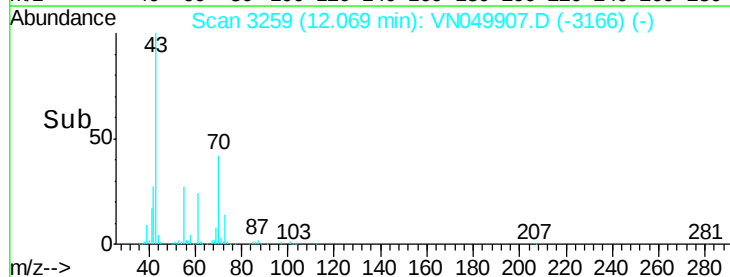
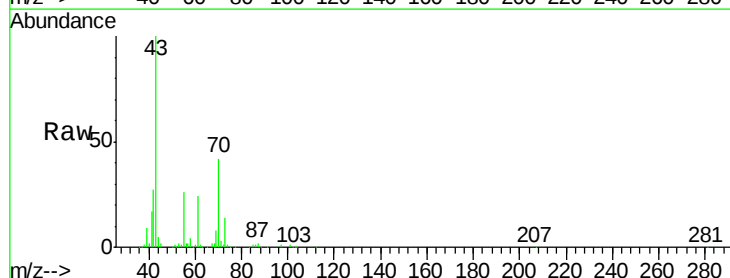
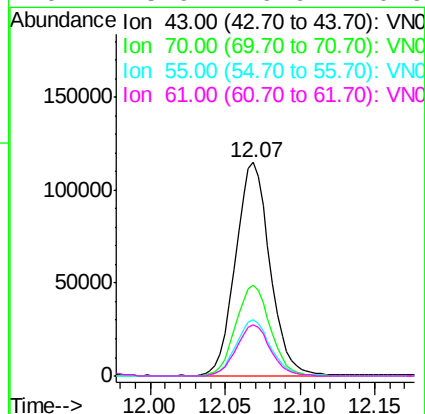
Ion Ratio Lower Upper

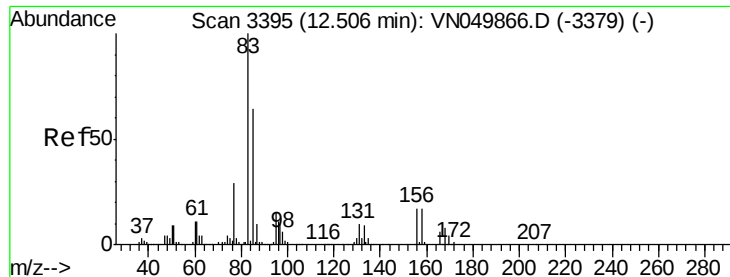
43 100

70 43.3 34.8 52.2

55 26.8 20.9 31.3

61 23.9 19.9 29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 17.10 ug/l

RT: 12.50 min Scan# 3394

Delta R.T. -0.00 min

Lab File: VN049907.D

Acq: 19 Jul 2018 11:16

Instrument :

MSVOA_N

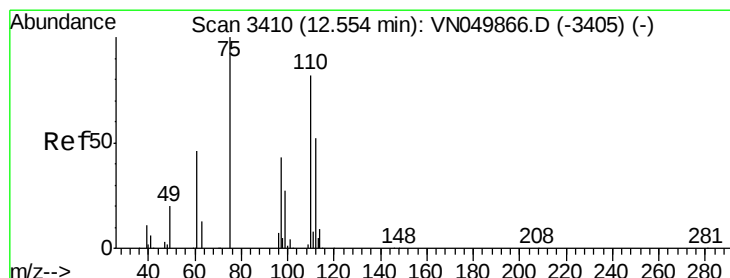
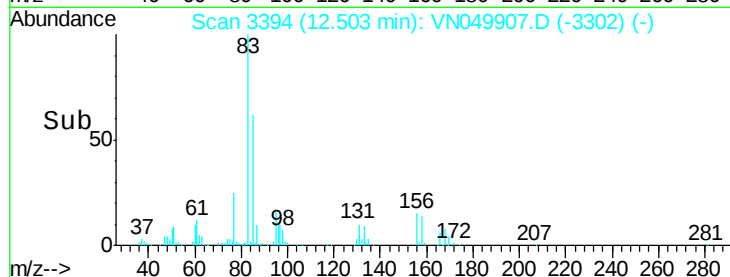
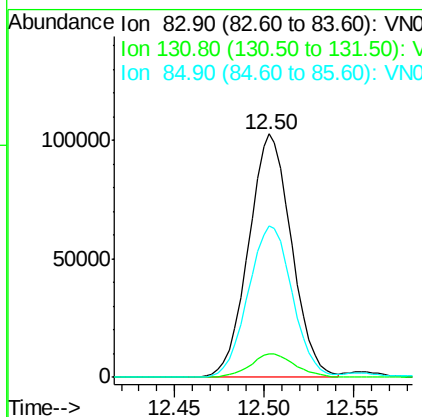
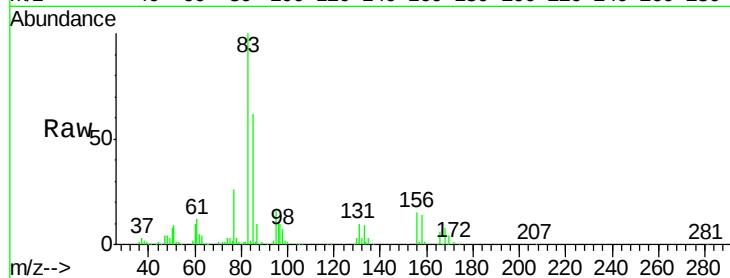
ClientSampleId :

VN0719WBS01

Tot Ion:	83	Resp:	172941
Ion Ratio	Lower	Upper	
83	100		
131	10.2	5.2	15.6
85	64.0	32.5	97.4

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#76

1,2,3-Trichloropropane

Concen: 18.17 ug/l m

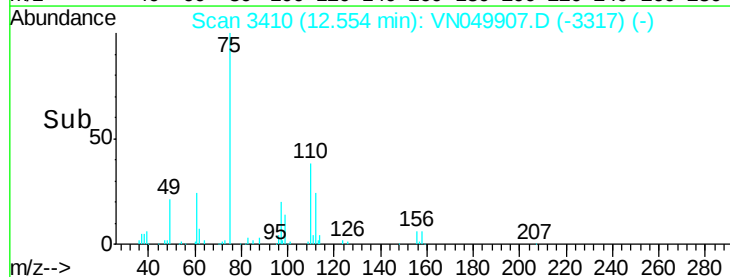
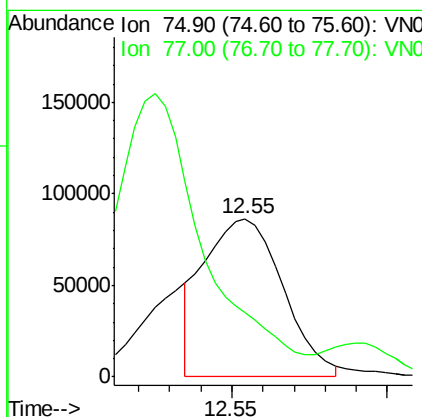
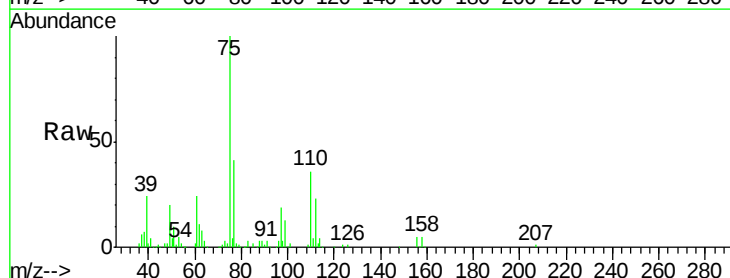
RT: 12.55 min Scan# 3410

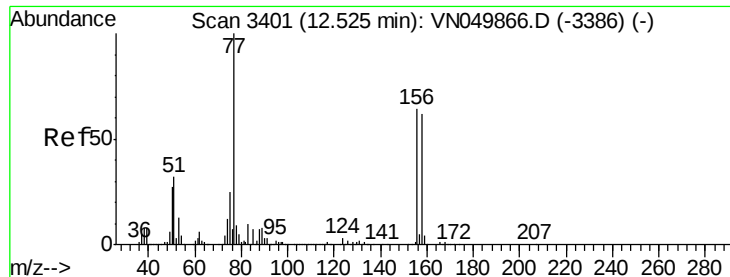
Delta R.T. 0.00 min

Lab File: VN049907.D

Acq: 19 Jul 2018 11:16

Tgt Ion:	75	Resp:	151489
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 18.70 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN049907.D

Acq: 19 Jul 2018 11:16

Instrument :

MSVOA_N

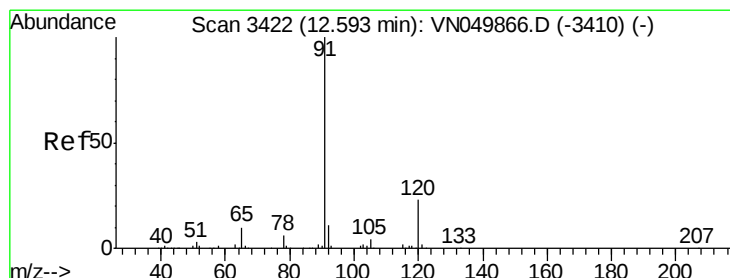
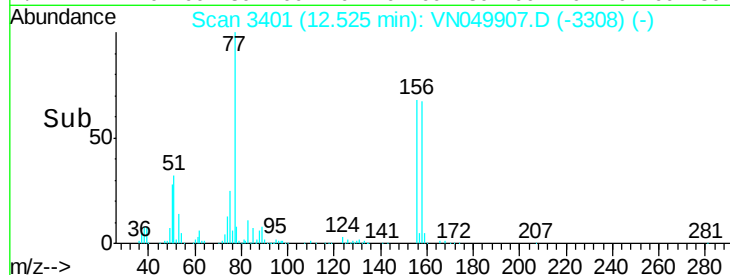
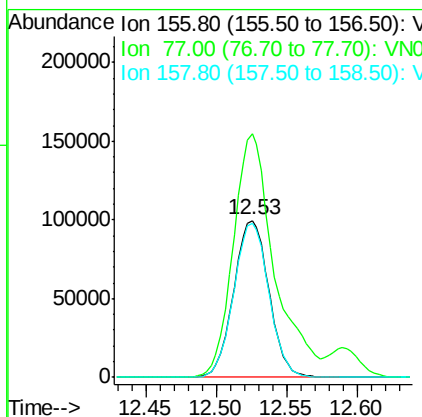
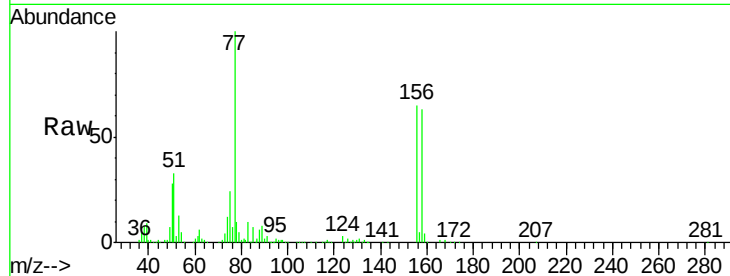
ClientSampleId :

VN0719WBS01

Tot Ion:	156	Resp:	174301
Ion Ratio	Lower	Upper	
156	100		
77	180.9	90.2	270.6
158	98.2	49.1	147.3

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#78

n-propylbenzene

Concen: 19.99 ug/l

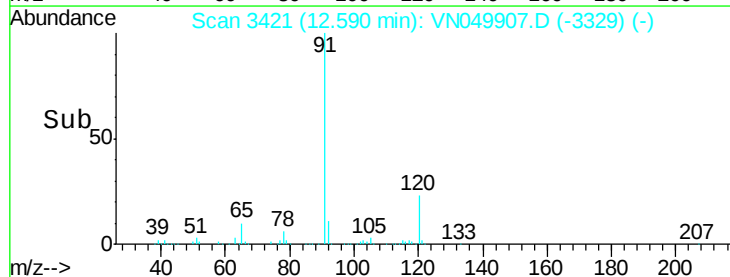
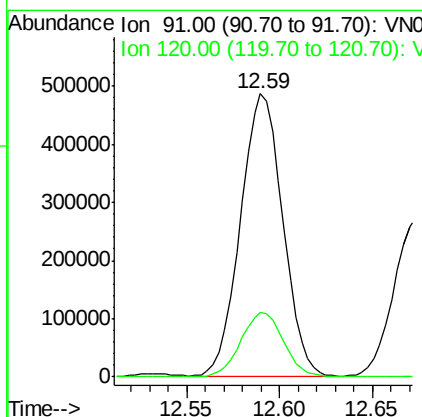
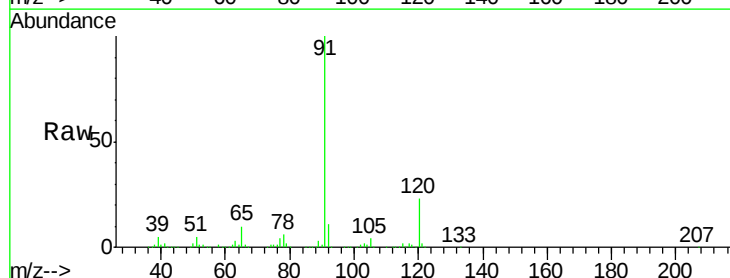
RT: 12.59 min Scan# 3421

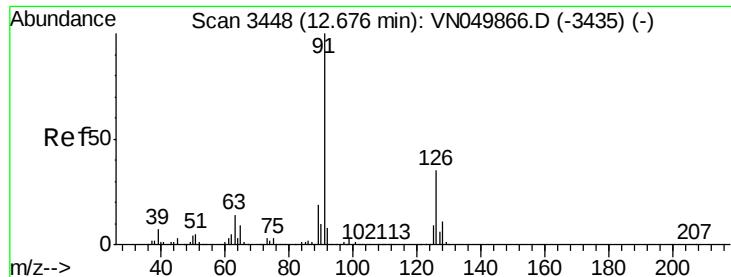
Delta R.T. -0.00 min

Lab File: VN049907.D

Acq: 19 Jul 2018 11:16

Tgt Ion:	91	Resp:	767164
Ion Ratio	Lower	Upper	
91	100		
120	23.1	11.5	34.4





#79

2-Chlorotoluene

Concen: 19.36 ug/l

RT: 12.67 min Scan# 3447

Delta R.T. -0.00 min

Lab File: VN049907.D

Acq: 19 Jul 2018 11:16

Instrument :

MSVOA_N

ClientSampleId :

VN0719WBS01

Tot Ion: 91 Resp: 456217

Ion Ratio Lower Upper

91 100

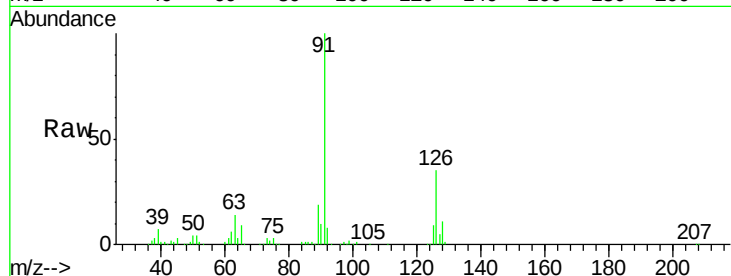
126 35.3 17.5 52.5

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Abundance Ion 91.00 (90.70 to 91.70): VN049866.D (-3435) (-)

Ion 125.90 (125.60 to 126.60): VN049866.D (-3435) (-)

500000

400000

300000

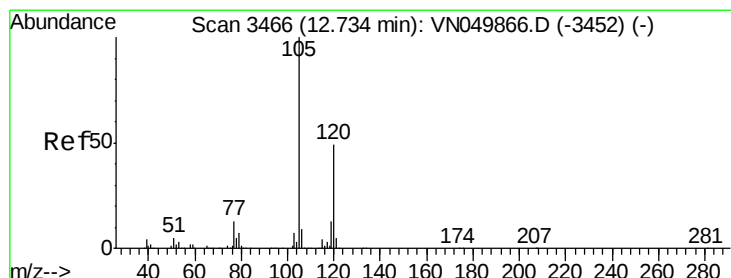
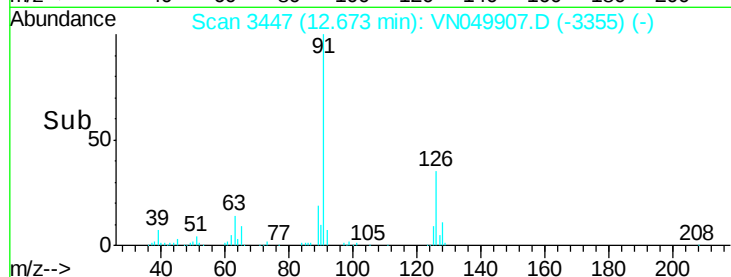
200000

100000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.05 ug/l

RT: 12.73 min Scan# 3465

Delta R.T. -0.00 min

Lab File: VN049907.D

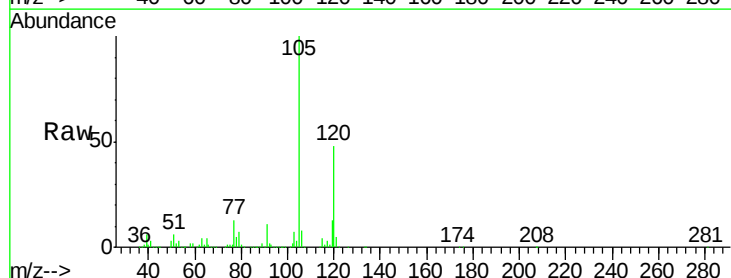
Acq: 19 Jul 2018 11:16

Tgt Ion: 105 Resp: 542469

Ion Ratio Lower Upper

105 100

120 49.0 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VN049866.D (-3452) (-)

Ion 120.00 (119.70 to 120.70): VN049866.D (-3452) (-)

400000

300000

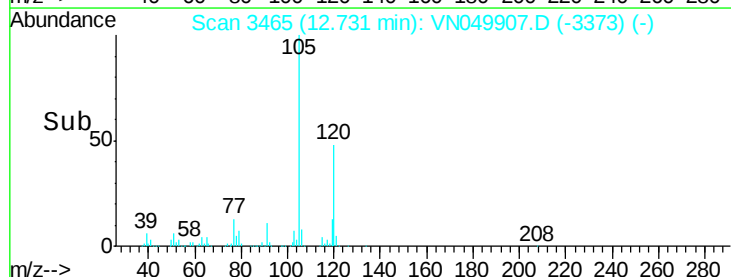
200000

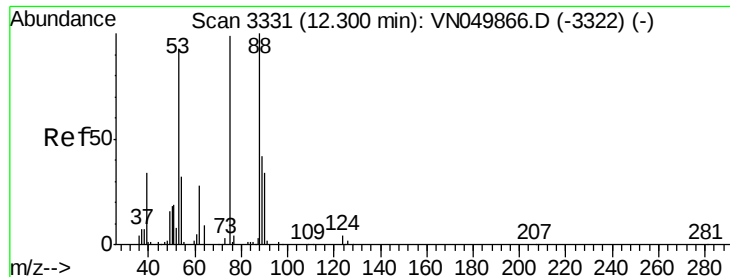
100000

0

12.65 12.70 12.75 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 17.19 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. 0.00 min

Lab File: VN049907.D

Acq: 19 Jul 2018 11:16

Instrument :

MSVOA_N

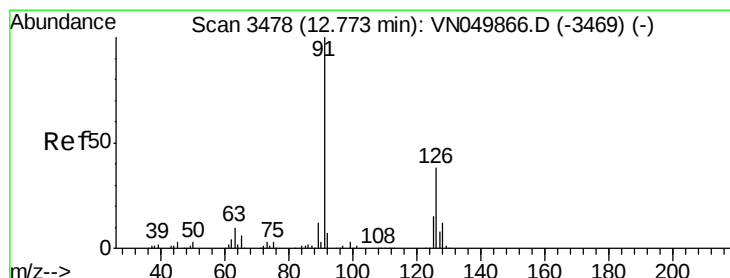
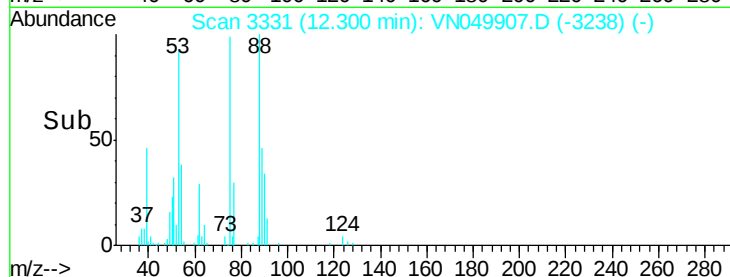
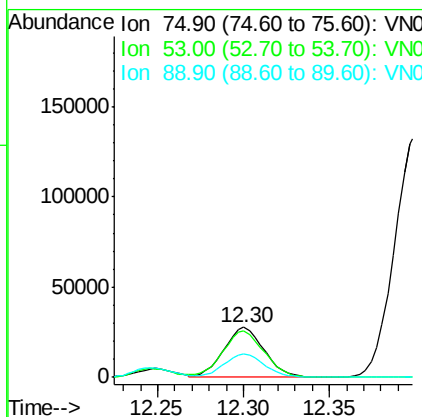
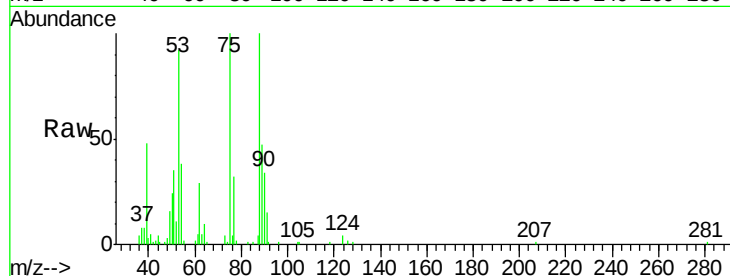
ClientSampled :

VN0719WBS01

Tot Ion:	75	Resp:	45815
Ion	Ratio	Lower	Upper
75	100		
53	95.3	73.9	110.9
89	46.8	35.9	53.9

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.87 ug/l

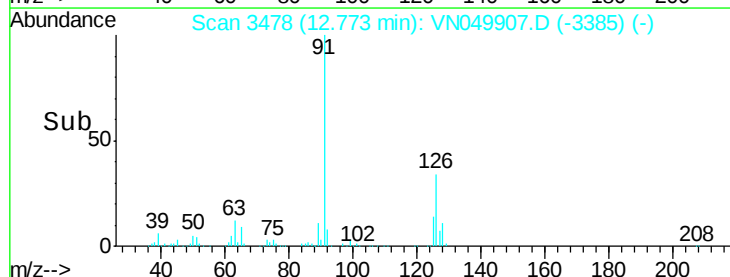
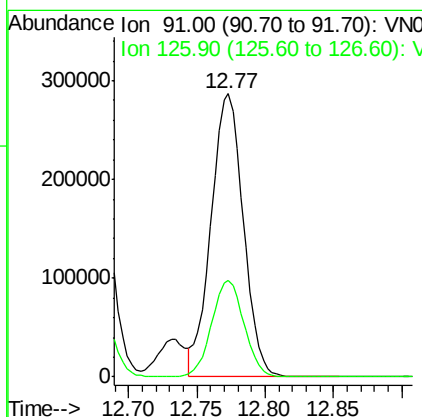
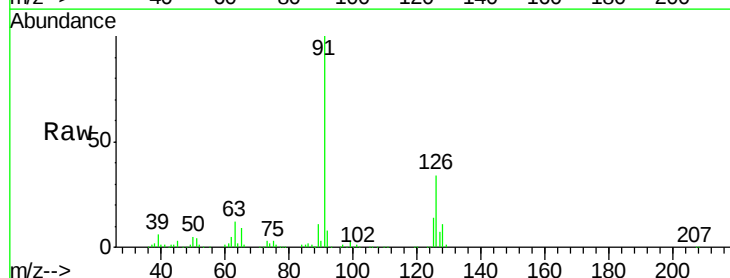
RT: 12.77 min Scan# 3478

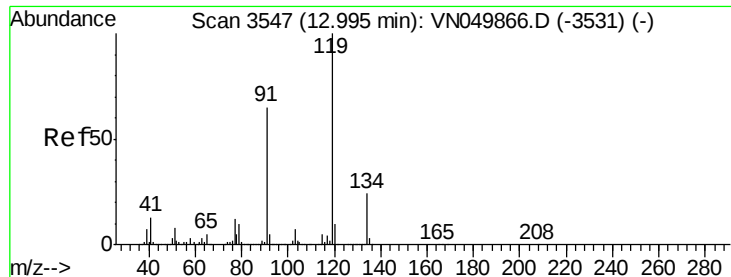
Delta R.T. 0.00 min

Lab File: VN049907.D

Acq: 19 Jul 2018 11:16

Tgt Ion:	91	Resp:	469744
Ion	Ratio	Lower	Upper
91	100		
126	34.3	17.2	51.6





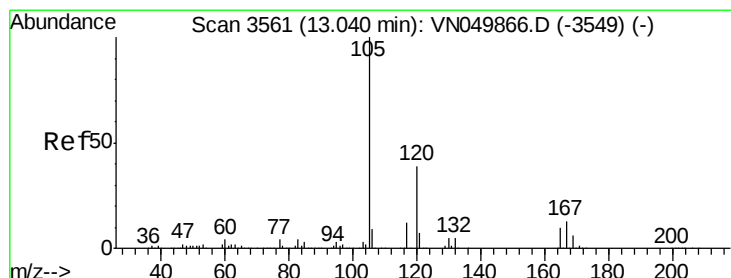
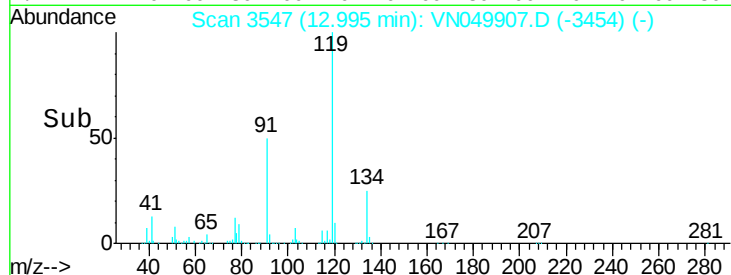
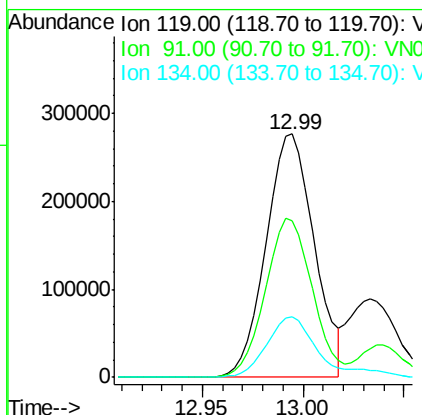
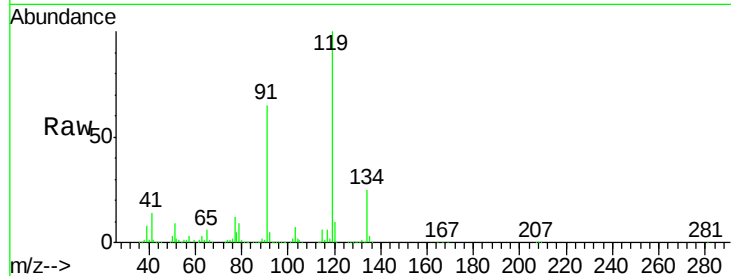
#83
 tert-Butylbenzene
 Concen: 19.33 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN049907.D
 Acq: 19 Jul 2018 11:16

Instrument :
 MSVOA_N
 ClientSampled :
 VN0719WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.8	32.0	96.2
134	27.0	12.8	38.4

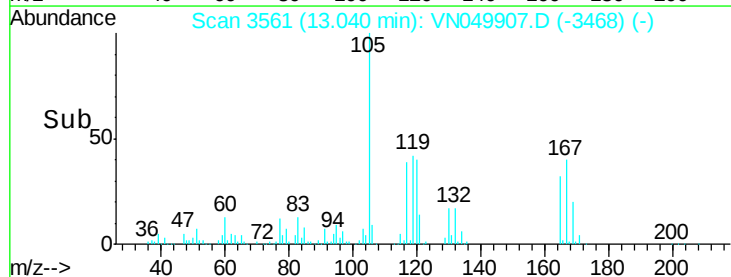
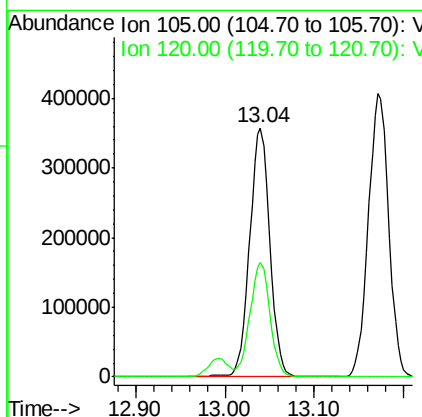
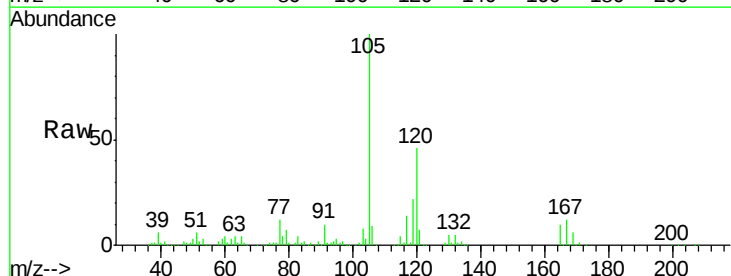
Manual Integrations
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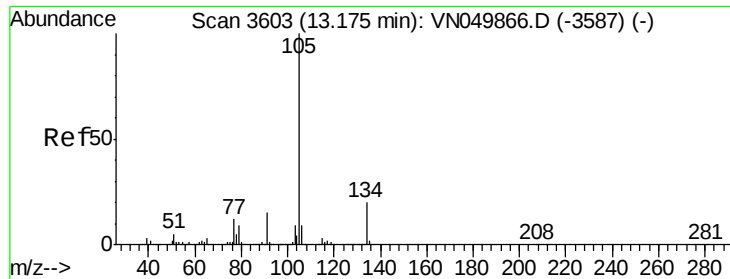
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.58 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. 0.00 min
 Lab File: VN049907.D
 Acq: 19 Jul 2018 11:16

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.5	22.7	68.1





#85

sec-Butylbenzene

Concen: 20.36 ug/l

RT: 13.17 min Scan# 3602

Delta R.T. -0.00 min

Lab File: VN049907.D

Acq: 19 Jul 2018 11:16

Instrument :

MSVOA_N

ClientSampleId :

VN0719WBS01

Tot Ion:105 Resp: 639181

Ion Ratio Lower Upper

105 100

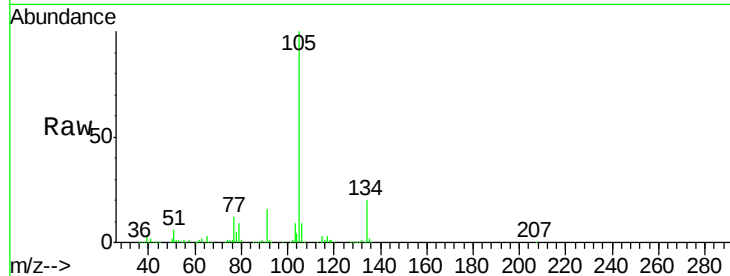
134 20.0 10.1 30.1

Manual Integrations

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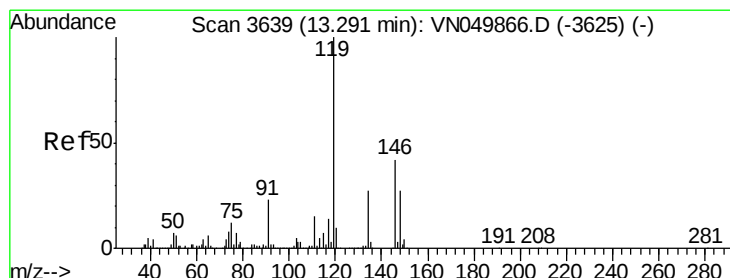
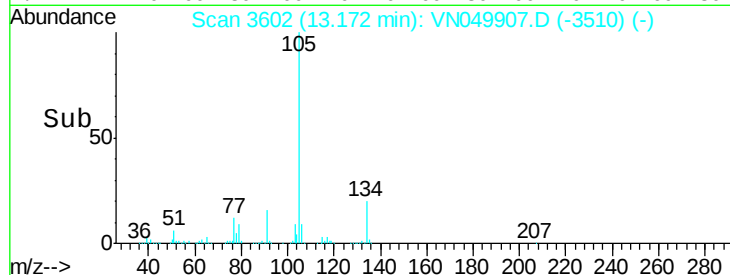
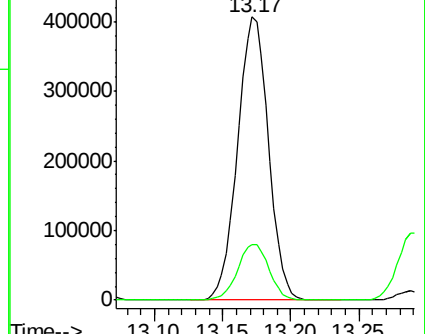
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.66 ug/l

RT: 13.29 min Scan# 3638

Delta R.T. -0.00 min

Lab File: VN049907.D

Acq: 19 Jul 2018 11:16

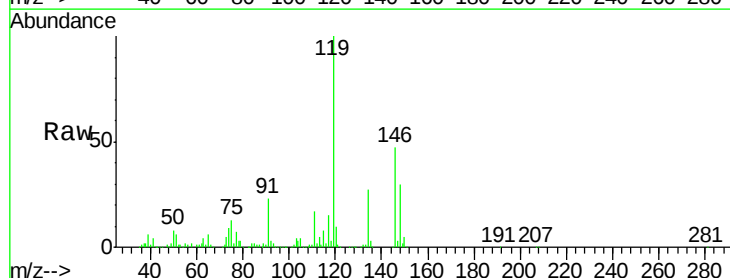
Tgt Ion:119 Resp: 552887

Ion Ratio Lower Upper

119 100

134 26.4 13.3 39.9

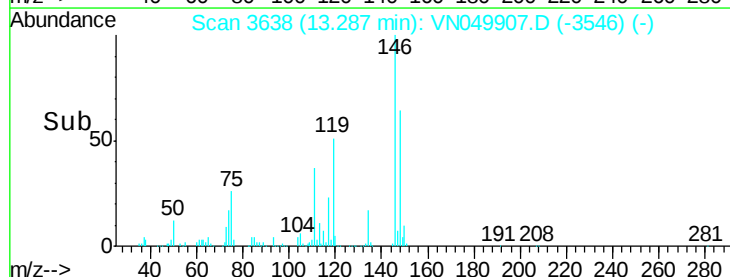
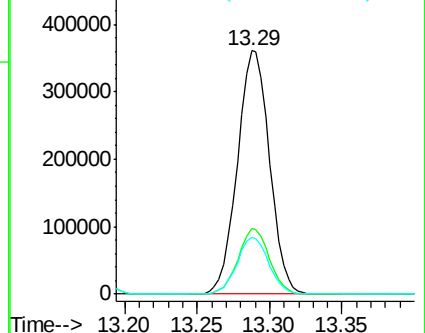
91 22.9 11.4 34.1

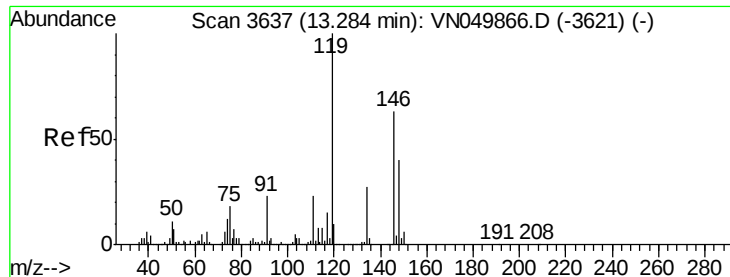


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





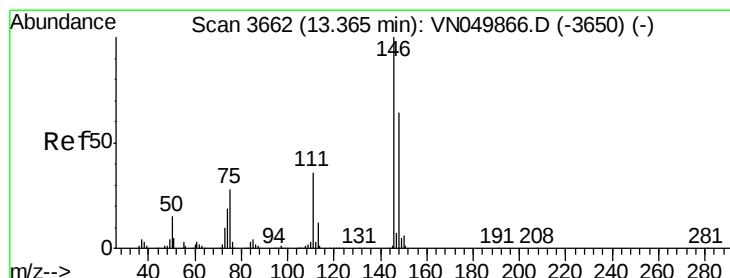
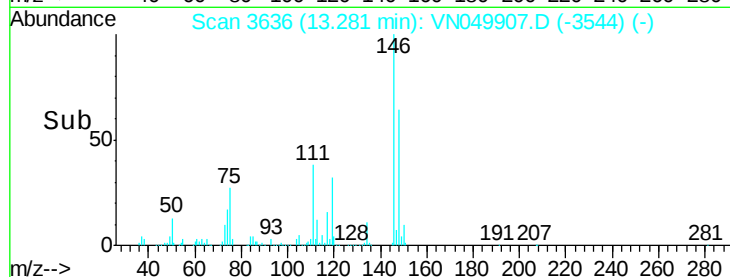
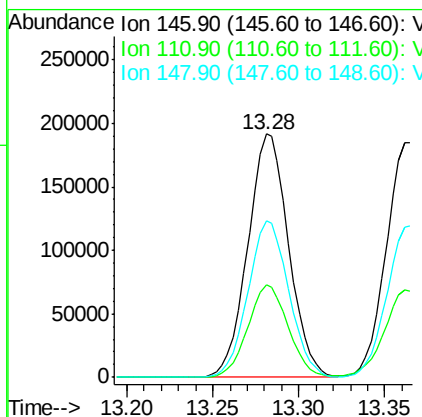
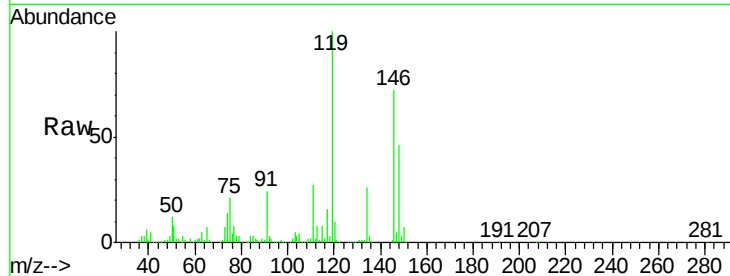
#87
 1,3-Dichlorobenzene
 Concen: 19.33 ug/l
 RT: 13.28 min Scan# 3636
 Delta R.T. -0.00 min
 Lab File: VN049907.D
 Acq: 19 Jul 2018 11:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0719WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	19.0	57.0
148	64.7	32.5	97.5

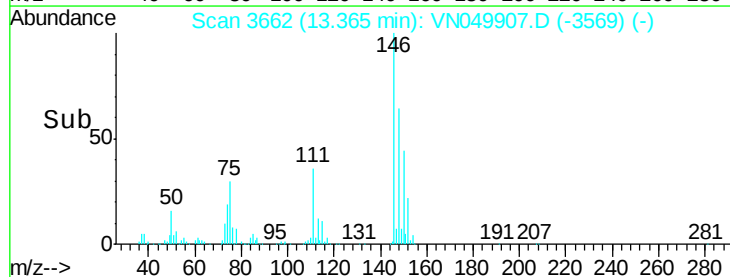
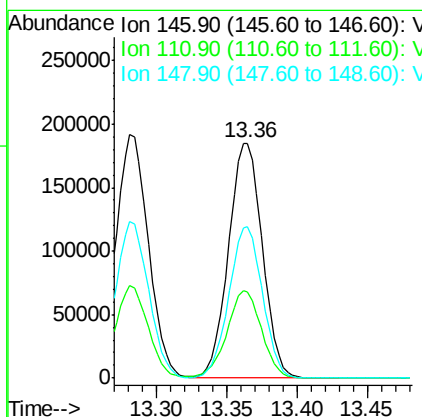
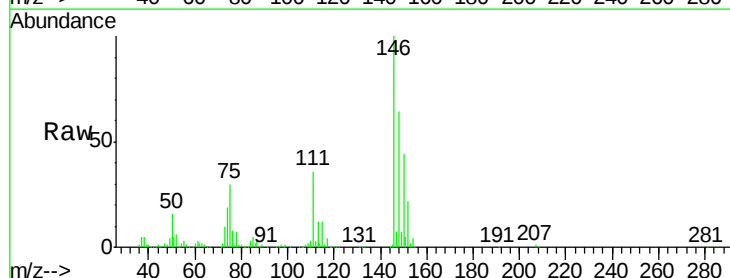
Manual Integrations
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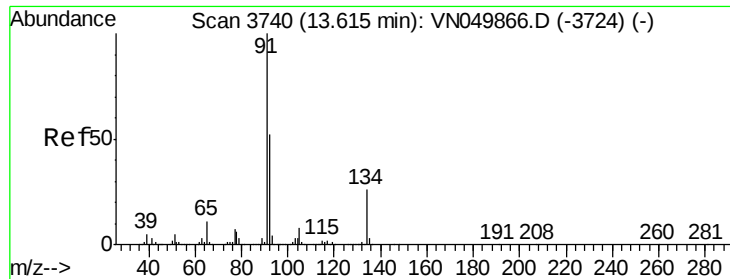
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#88
 1,4-Dichlorobenzene
 Concen: 19.08 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN049907.D
 Acq: 19 Jul 2018 11:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.9	56.5
148	64.0	32.1	96.3





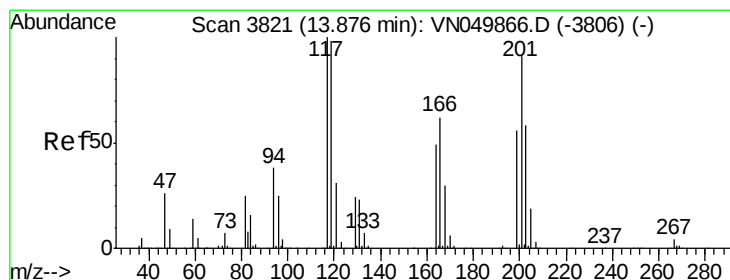
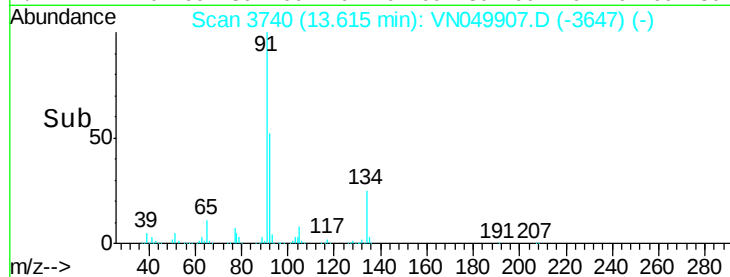
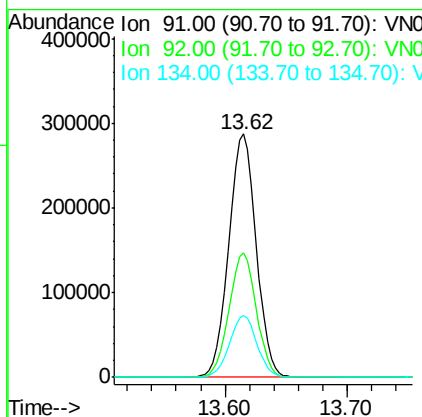
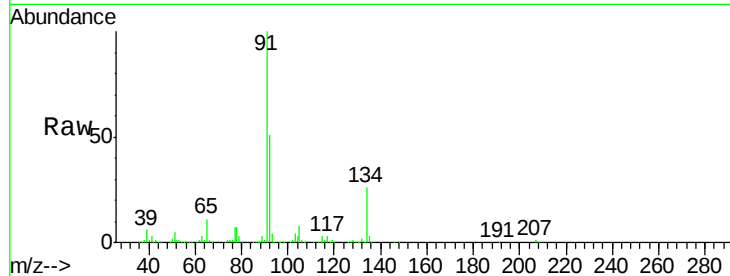
#89
n-Butylbenzene
Concen: 20.43 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. 0.00 min
Lab File: VN049907.D
Acq: 19 Jul 2018 11:16

Instrument :
MSVOA_N
ClientSampled :
VN0719WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.8	25.8	77.3
134	25.4	13.0	38.9

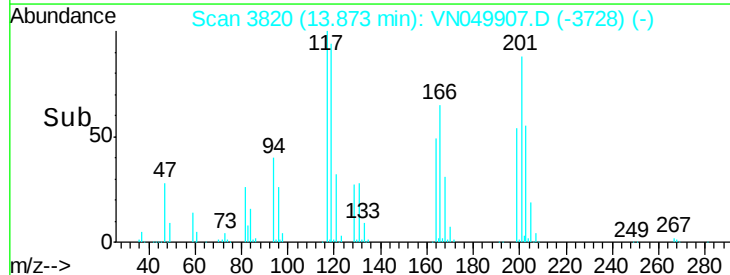
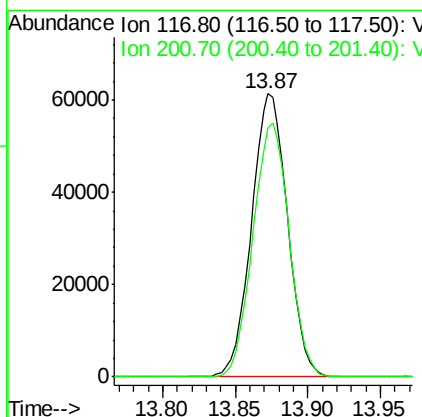
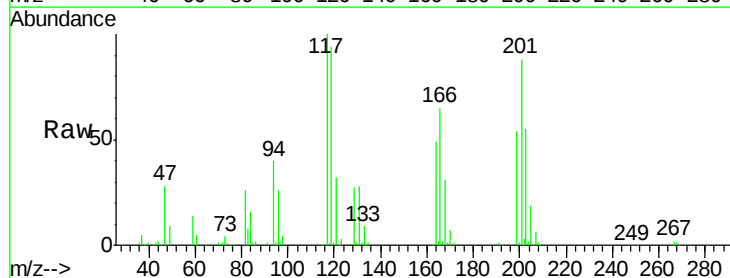
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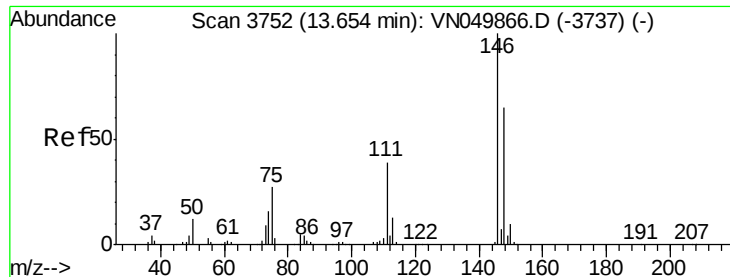
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#90
Hexachloroethane
Concen: 17.62 ug/l
RT: 13.87 min Scan# 3820
Delta R.T. -0.00 min
Lab File: VN049907.D
Acq: 19 Jul 2018 11:16

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.2	45.3	135.8





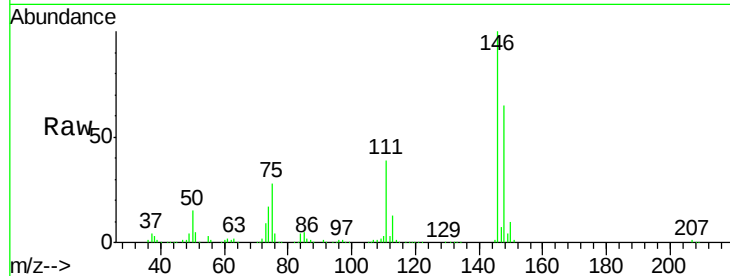
#91
 1,2-Dichlorobenzene
 Concen: 18.95 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. 0.00 min
 Lab File: VN049907.D
 Acq: 19 Jul 2018 11:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0719WBS01

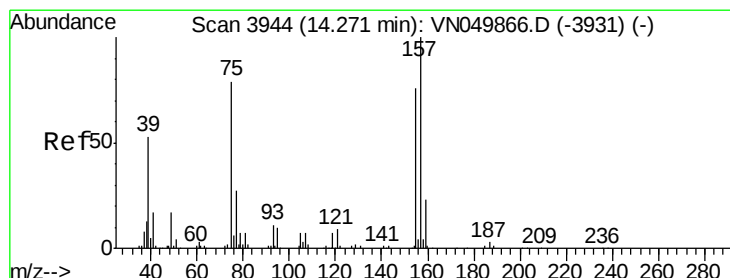
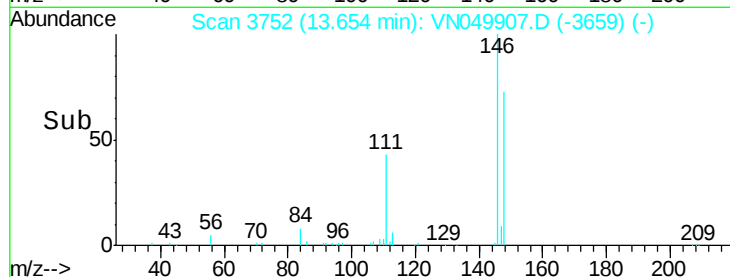
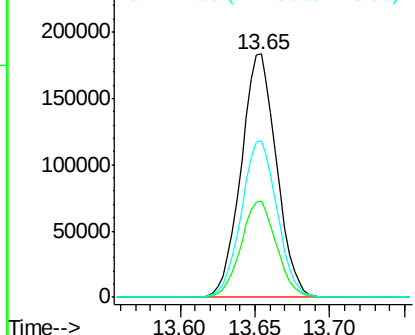
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.7	59.1
148	64.8	32.0	96.2

Manual Integrations
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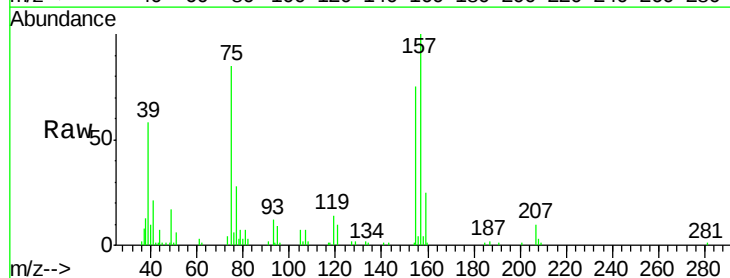


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

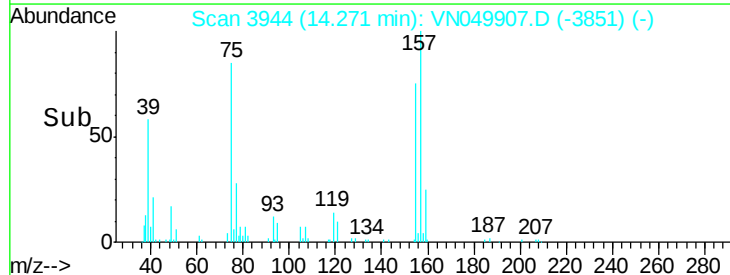
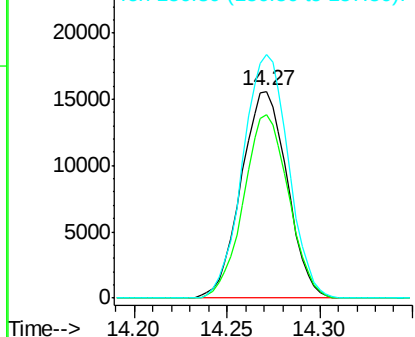


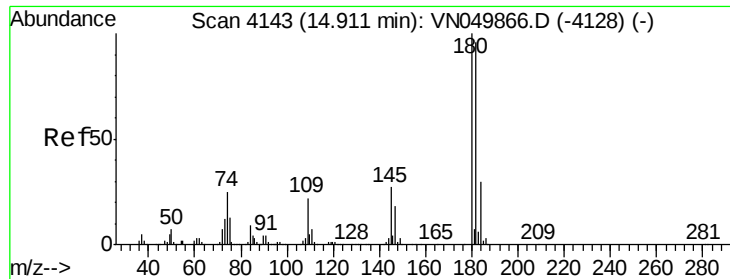
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.16 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN049907.D
 Acq: 19 Jul 2018 11:16

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.8	45.7	137.1
157	116.6	56.9	170.7



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V





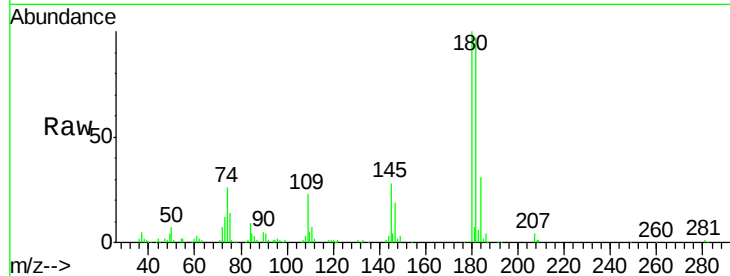
#93
 1,2,4-Trichlorobenzene
 Concen: 19.34 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN049907.D
 Acq: 19 Jul 2018 11:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0719WBS01

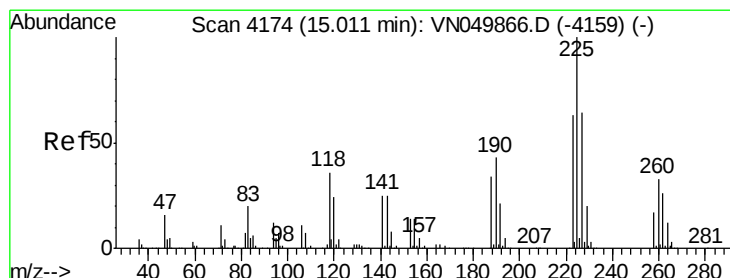
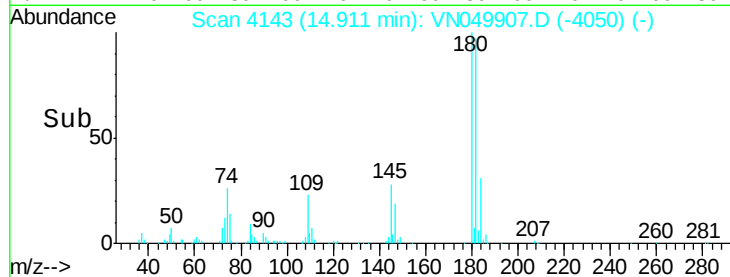
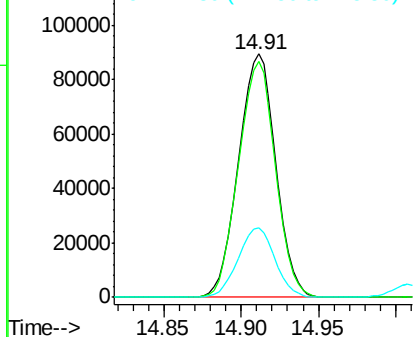
Tot Ion	Ratio	Resp	Lower	Upper
180	100	150084		
182	96.2	47.3	141.9	
145	28.3	14.4	43.0	

Manual Integrations
 APPROVED

MMDadoda
 7/20/2018 11:08:02 AM

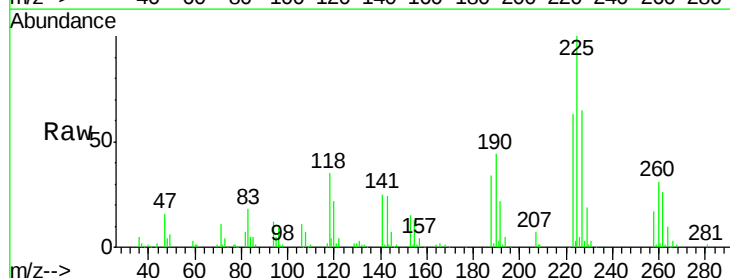


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

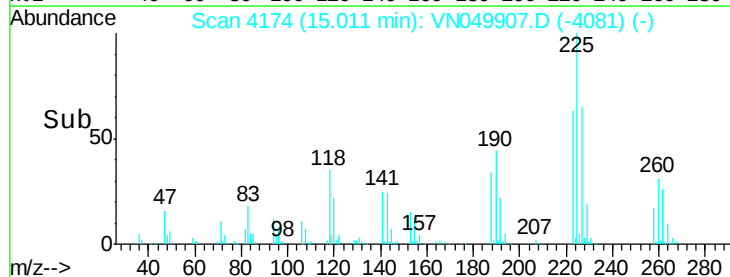
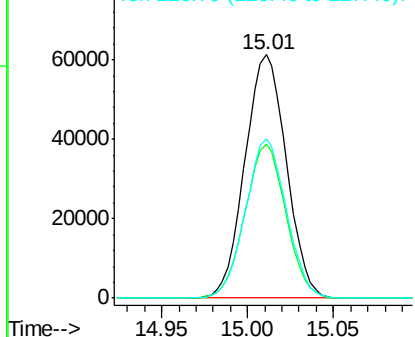


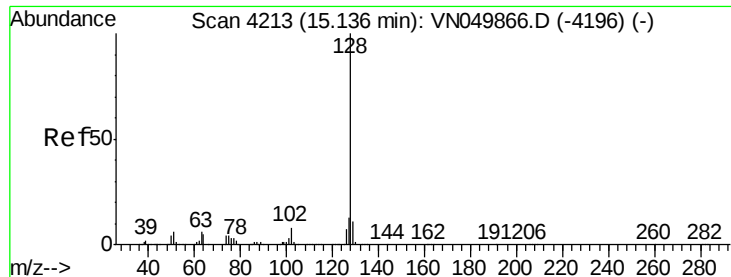
#94
 Hexachlorobutadiene
 Concen: 19.61 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. 0.00 min
 Lab File: VN049907.D
 Acq: 19 Jul 2018 11:16

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	102583		
223	62.4	30.9	92.7	
227	64.4	31.8	95.4	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 17.52 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049907.D

Acq: 19 Jul 2018 11:16

Instrument :

MSVOA_N

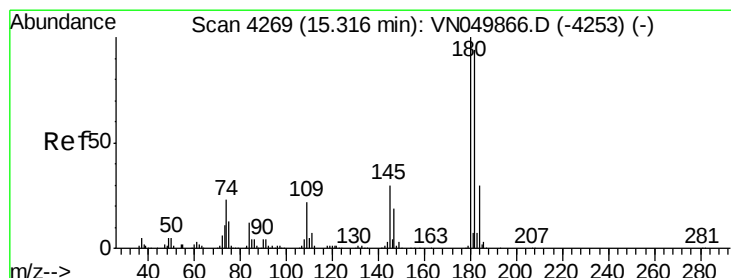
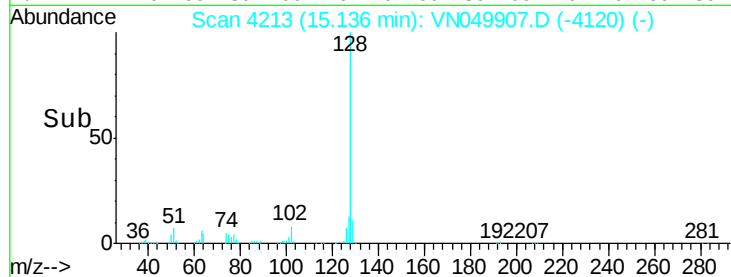
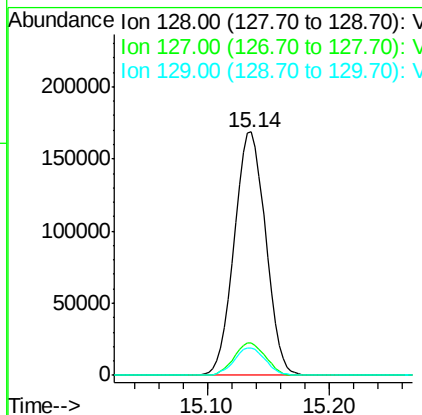
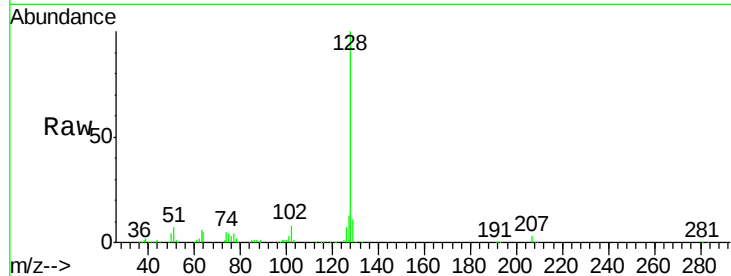
ClientSampleId :

VN0719WBS01

Tot Ion:	128	Resp:	301236
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.4	15.6
129	11.3	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
7/20/2018 11:08:02 AM



#96

1,2,3-Trichlorobenzene

Concen: 20.05 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. 0.00 min

Lab File: VN049907.D

Acq: 19 Jul 2018 11:16

Tgt Ion:	180	Resp:	153616
Ion Ratio	Lower	Upper	
180	100		
182	95.9	47.4	142.2
145	29.9	15.2	45.6

