

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF090718\
 Data File : VF060206.D
 Acq On : 7 Sep 2018 11:26
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Sep 07 14:24:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F090618S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 07 10:44:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	135913	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	194110	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.91	117	199007	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	131338	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.00	65	127869	53.85	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	107.70%	
35) Dibromofluoromethane	4.27	113	102091	53.68	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	107.36%	
50) Toluene-d8	7.70	98	257328	54.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.44%	
62) 4-Bromofluorobenzene	11.51	95	143353	53.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.95	85	109446	42.243	ug/l	93
3) Chloromethane	1.06	50	60707	44.435	ug/l	98
4) Vinyl Chloride	1.11	62	50706	48.159	ug/l	97
5) Bromomethane	1.30	94	40621	43.065	ug/l	96
6) Chloroethane	1.38	64	31019	45.996	ug/l	92
7) Trichlorofluoromethane	1.47	101	142629	48.574	ug/l	97
8) Diethyl Ether	1.69	74	21331	49.133	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	1.85	101	67782	47.205	ug/l	96
10) Methyl Iodide	1.92	142	58850	45.497	ug/l	89
11) Tert butyl alcohol	2.68	59	29611	262.526	ug/l	95
12) 1,1-Dichloroethene	1.82	96	44515	45.570	ug/l	95
13) Acrolein	2.07	56	14951	307.123	ug/l #	72
14) Allyl chloride	2.17	41	70172	47.894	ug/l	94
15) Acrylonitrile	3.06	53	45924	254.408	ug/l	94
16) Acetone	2.32	43	160366	290.366	ug/l	98
17) Carbon Disulfide	1.83	76	139188	48.885	ug/l	97
18) Methyl Acetate	2.44	43	45457	56.656	ug/l	99
19) Methyl tert-butyl Ether	2.52	73	168680	52.192	ug/l	98
20) Methylene Chloride	2.26	84	51503	43.173	ug/l	89
21) trans-1,2-Dichloroethene	2.40	96	48971	48.992	ug/l	87
22) Diisopropyl ether	2.90	45	185260	50.455	ug/l	98
23) Vinyl Acetate	3.32	43	415226	266.466	ug/l	100
24) 1,1-Dichloroethane	2.98	63	116306	48.699	ug/l	99
25) 2-Butanone	4.49	43	185848	278.489	ug/l	98
26) 2,2-Dichloropropane	3.74	77	161326	48.713	ug/l	99
27) cis-1,2-Dichloroethene	3.62	96	64852	49.708	ug/l	93
28) Bromochloromethane	3.88	49	41357	50.848	ug/l #	91
29) Tetrahydrofuran	4.23	42	66167	299.916	ug/l	99
30) Chloroform	4.02	83	166374	47.553	ug/l	97
31) Cyclohexane	3.84	56	78303	47.925	ug/l	96
32) 1,1,1-Trichloroethane	4.26	97	164491	47.194	ug/l	95
36) 1,1-Dichloropropene	4.44	75	109067	47.739	ug/l	99
37) Ethyl Acetate	4.26	43	64683	56.431	ug/l #	45
38) Carbon Tetrachloride	4.15	117	149554	47.614	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.61	83	91861	47.997	ug/l	98
40) Benzene	4.79	78	206199	50.657	ug/l	99
41) Methacrylonitrile	4.90	41	31353	52.758	ug/l	95
42) 1,2-Dichloroethane	5.10	62	144024	48.958	ug/l	99
43) Isopropyl Acetate	7.10	43	72044	54.214	ug/l	98
44) Trichloroethene	5.66	130	79319	48.111	ug/l	99
45) 1,2-Dichloropropane	6.39	63	58337	50.423	ug/l	88
46) Dibromomethane	6.24	93	52461	51.498	ug/l	94
47) Bromodichloromethane	6.54	83	133079	48.130	ug/l	100
48) Methyl methacrylate	6.86	41	56482	53.506	ug/l	94
49) 1,4-Dioxane	6.89	88	8050	518.985	ug/l #	71
51) 4-Methyl-2-Pentanone	8.39	43	329436	279.021	ug/l	97
52) Toluene	7.77	92	149133	47.308	ug/l	98
53) t-1,3-Dichloropropene	8.42	75	122318	52.647	ug/l	100
54) cis-1,3-Dichloropropene	7.45	75	124288	51.532	ug/l	95
55) 1,1,2-Trichloroethane	8.63	97	60568	52.238	ug/l	96
56) Ethyl methacrylate	8.75	69	75085	56.648	ug/l	97
57) 1,3-Dichloropropane	8.99	76	107819	52.302	ug/l	92
58) 2-Chloroethyl Vinyl ether	7.77	63	34893	244.790	ug/l	100
59) 2-Hexanone	9.62	43	264113	299.321	ug/l	98
60) Dibromochloromethane	8.86	129	96762	50.387	ug/l	93
61) 1,2-Dibromoethane	9.13	107	71740	51.587	ug/l	89
64) Tetrachloroethene	8.29	164	104902	51.587	ug/l	95
65) Chlorobenzene	9.93	112	206131	50.043	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.07	131	89042	48.773	ug/l	95
67) Ethyl Benzene	10.03	91	383070	49.848	ug/l	99
68) m/p-Xylenes	10.27	106	259592	100.679	ug/l	92
69) o-Xylene	10.83	106	136459	49.615	ug/l	92
70) Styrene	10.90	104	212069	50.869	ug/l	98
71) Bromoform	10.89	173	55254	52.424	ug/l #	94
73) Isopropylbenzene	11.22	105	448010	49.452	ug/l	99
74) N-amyl acetate	11.46	43	102759	56.300	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.78	83	76308	56.012	ug/l	90
76) 1,2,3-Trichloropropane	11.88	75	73501	50.913	ug/l	89
77) Bromobenzene	11.59	156	111200	46.871	ug/l	78
78) n-propylbenzene	11.68	91	522511	48.132	ug/l	94
79) 2-Chlorotoluene	11.81	91	308684	47.066	ug/l	97
80) 1,3,5-Trimethylbenzene	11.91	105	384225	48.044	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.95	75	25226	73.550	ug/l	90
82) 4-Chlorotoluene	11.98	91	339955	46.708	ug/l	99
83) tert-Butylbenzene	12.21	119	368271	50.535	ug/l	100
84) 1,2,4-Trimethylbenzene	12.29	105	401811	49.456	ug/l	97
85) sec-Butylbenzene	12.38	105	495180	49.257	ug/l	98
86) p-Isopropyltoluene	12.53	119	451090	50.531	ug/l	98
87) 1,3-Dichlorobenzene	12.55	146	211438	48.772	ug/l	94
88) 1,4-Dichlorobenzene	12.64	146	215688	50.271	ug/l	98
89) n-Butylbenzene	12.92	91	420084	48.655	ug/l	97
90) Hexachloroethane	13.00	117	84695	46.801	ug/l	86
91) 1,2-Dichlorobenzene	13.02	146	204569	49.700	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.71	75	19476	56.024	ug/l	82

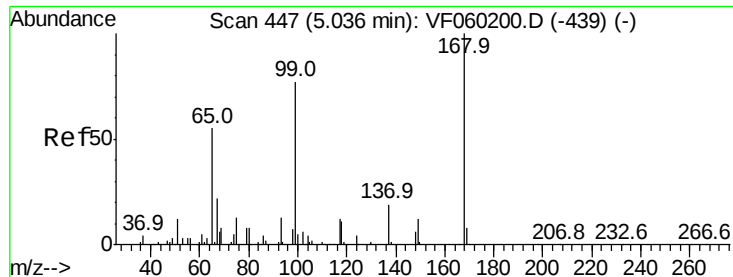
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	158523	49.832	ug/l	96
94) Hexachlorobutadiene	14.25	225	109945	48.494	ug/l	98
95) Naphthalene	14.52	128	235156	47.487	ug/l	98
96) 1,2,3-Trichlorobenzene	14.66	180	154276	51.669	ug/l	94

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.03 min Scan# 446

Delta R.T. -0.01 min

Lab File: VF060206.D

Acq: 7 Sep 2018 11:26

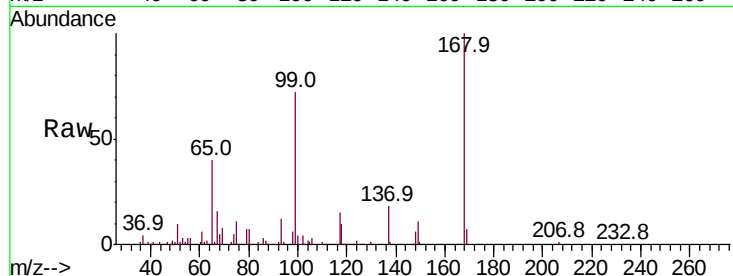
Instrument :
MSVOA_F
ClientSampled :

Tot Ion:168 Resp: 135913

Ion Ratio Lower Upper

168 100

99 71.8 61.8 92.6



Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0

5.03

40000

30000

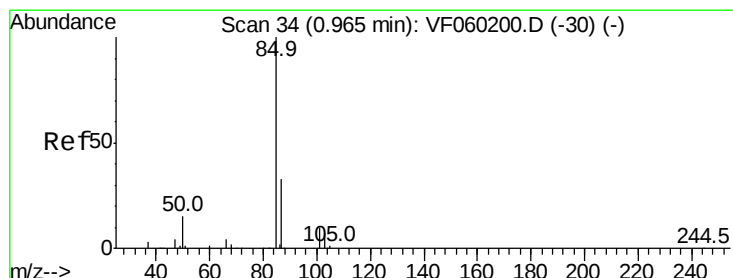
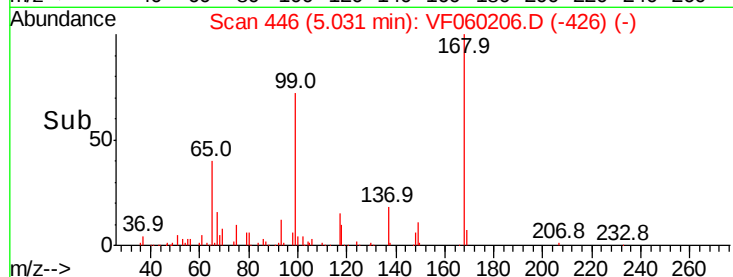
20000

10000

0

4.90 5.00 5.10 5.20

Time-->



#2

Dichlorodifluoromethane

Concen: 42.243 ug/l

RT: 0.95 min Scan# 32

Delta R.T. -0.02 min

Lab File: VF060206.D

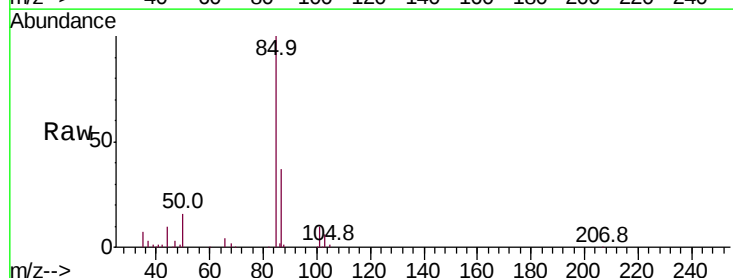
Acq: 7 Sep 2018 11:26

Tgt Ion: 85 Resp: 109446

Ion Ratio Lower Upper

85 100

87 36.5 16.3 48.9



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.95

60000

50000

40000

30000

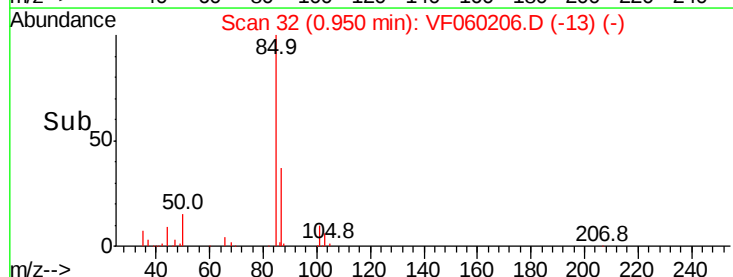
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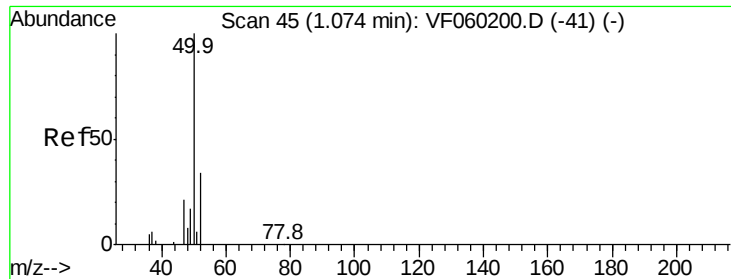
10000

0

0.90 1.00 1.10 1.20

Time-->





#3

Chloromethane

Concen: 44.435 ug/l

RT: 1.06 min Scan# 43

Delta R.T. -0.02 min

Lab File: VF060206.D

Acq: 7 Sep 2018 11:26

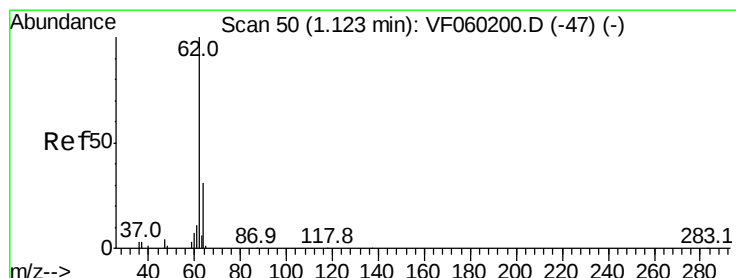
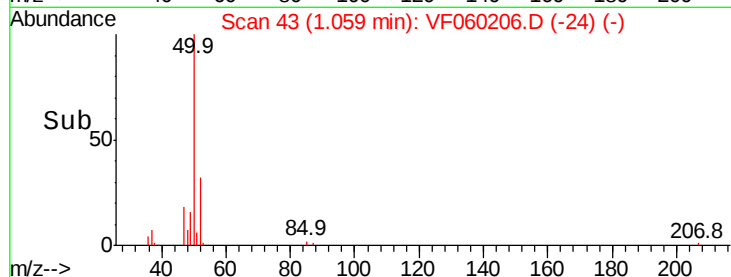
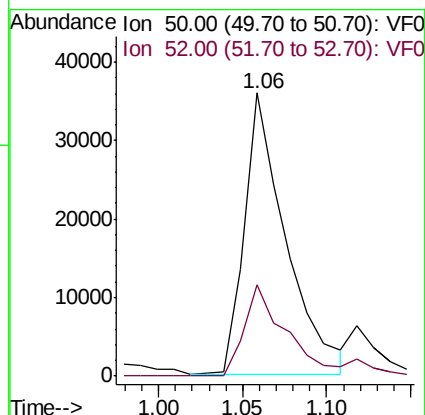
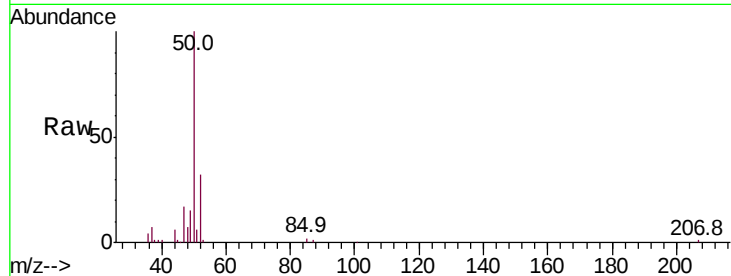
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 50 Resp: 60707

Ion Ratio Lower Upper

50 100

52 32.3 26.9 40.3



#4

Vinyl Chloride

Concen: 48.159 ug/l

RT: 1.11 min Scan# 48

Delta R.T. -0.02 min

Lab File: VF060206.D

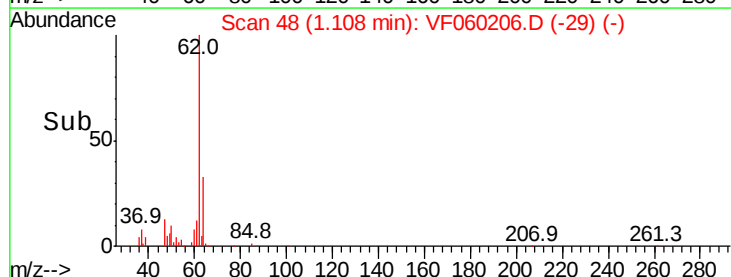
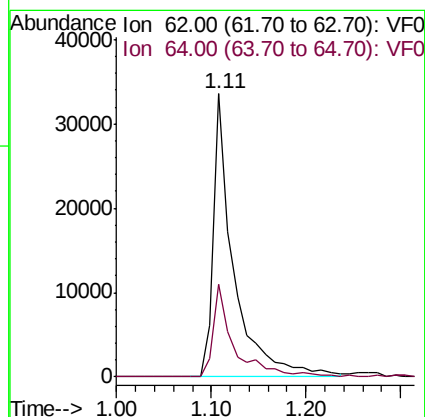
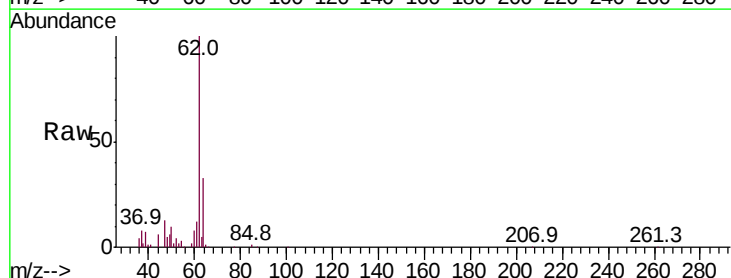
Acq: 7 Sep 2018 11:26

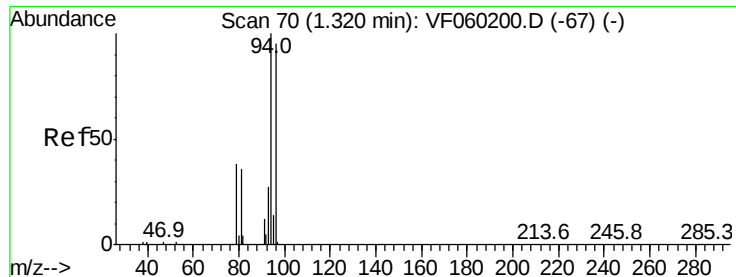
Tgt Ion: 62 Resp: 50706

Ion Ratio Lower Upper

62 100

64 32.8 24.8 37.2





#5

Bromomethane

Concen: 43.065 ug/l

RT: 1.30 min Scan# 68

Delta R.T. -0.02 min

Lab File: VF060206.D

Acq: 7 Sep 2018 11:26

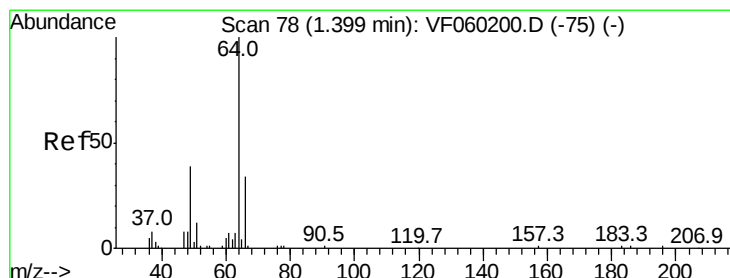
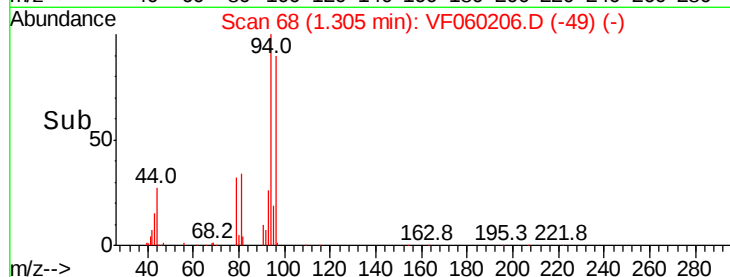
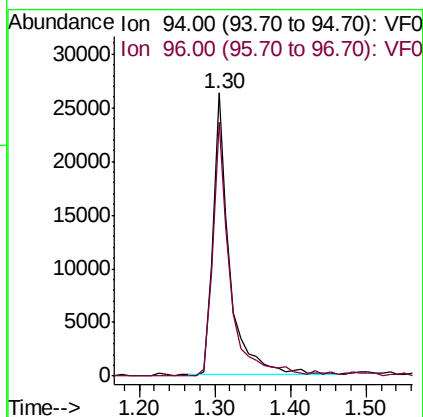
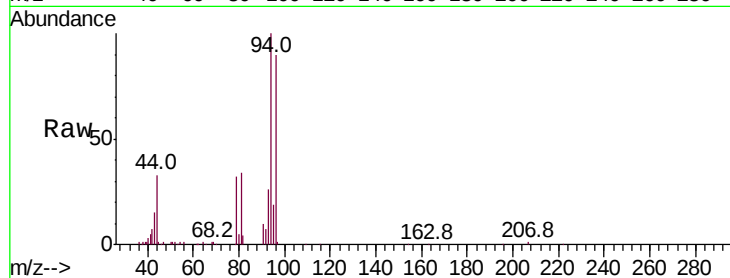
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 94 Resp: 40621

Ion Ratio Lower Upper

94 100

96 90.7 75.8 113.6



#6

Chloroethane

Concen: 45.996 ug/l

RT: 1.38 min Scan# 76

Delta R.T. -0.02 min

Lab File: VF060206.D

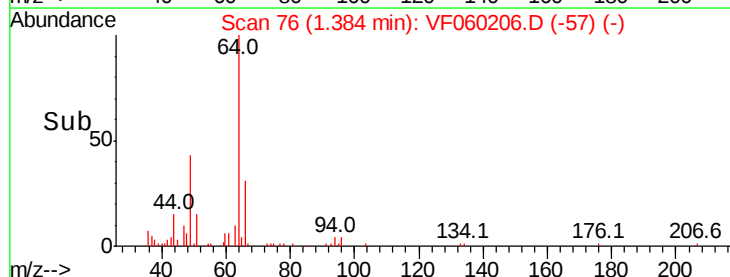
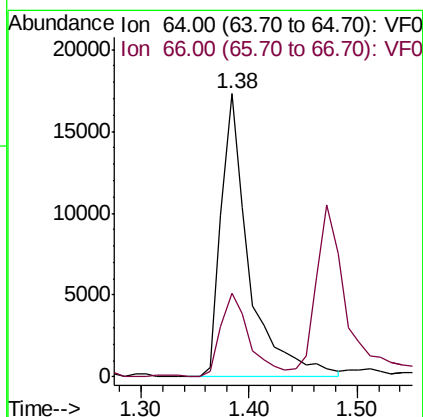
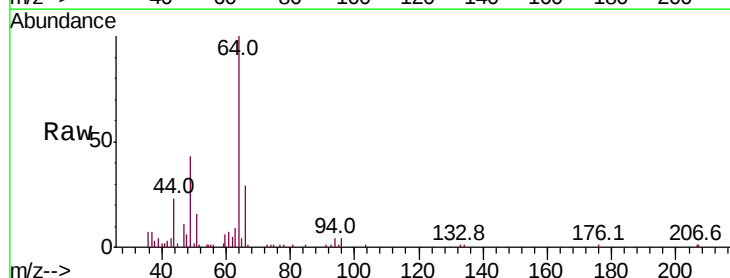
Acq: 7 Sep 2018 11:26

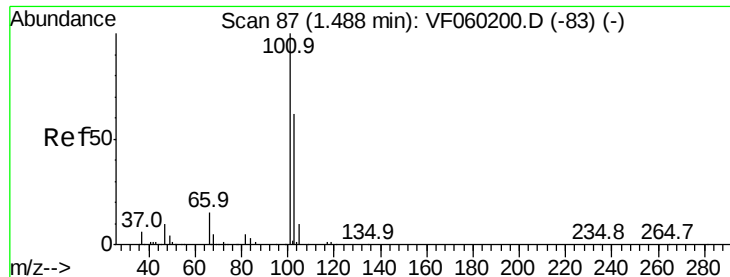
Tgt Ion: 64 Resp: 31019

Ion Ratio Lower Upper

64 100

66 29.5 27.1 40.7



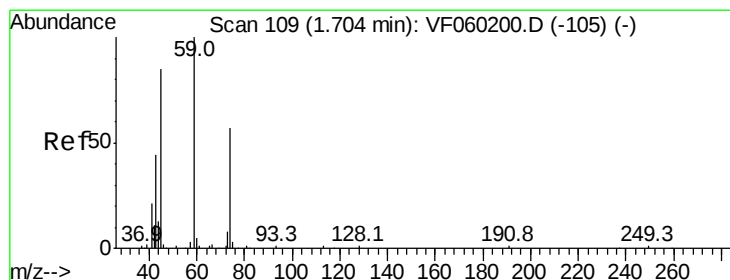
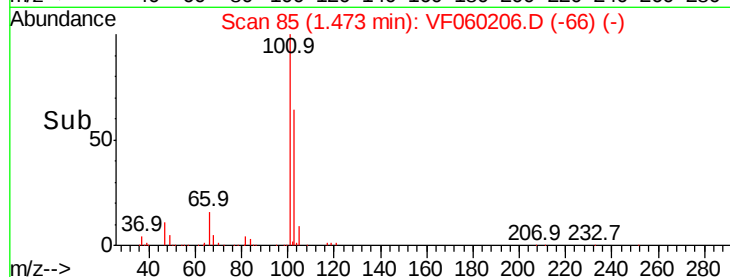
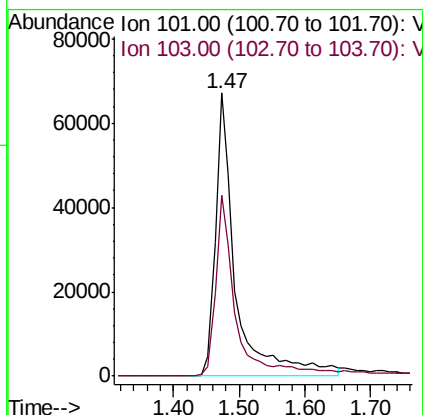
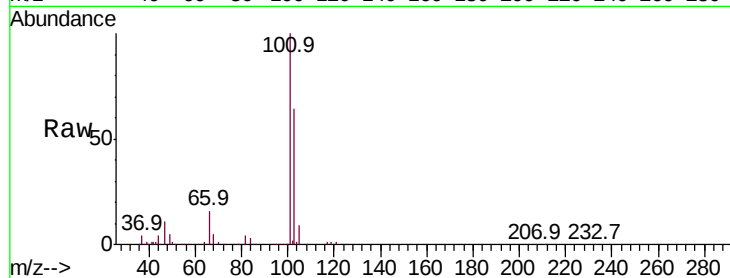


#7

Trichlorofluoromethane
 Concen: 48.574 ug/l
 RT: 1.47 min Scan# 85
 Delta R.T. -0.02 min
 Lab File: VF060206.D
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 ClientSampleId :

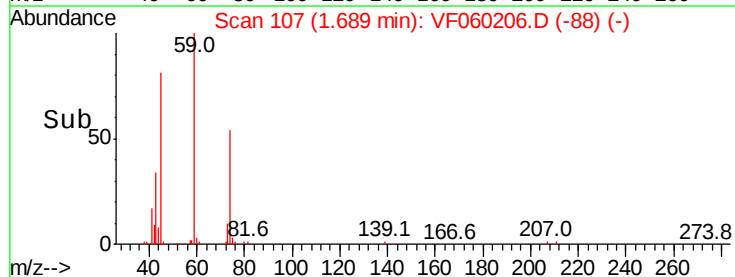
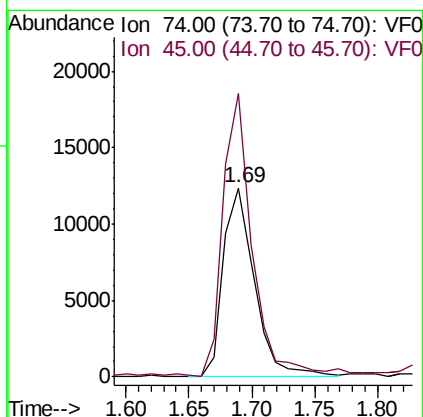
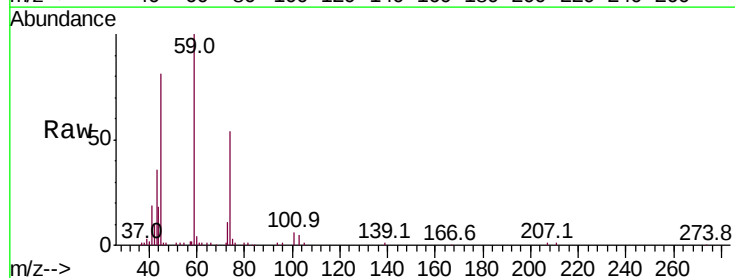
Tot Ion:101 Resp: 142629
 Ion Ratio Lower Upper
 101 100
 103 64.1 49.5 74.3

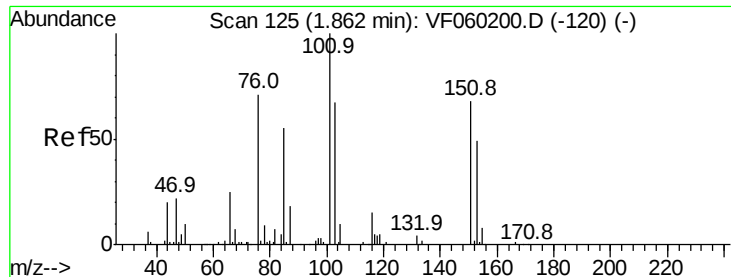


#8

Diethyl Ether
 Concen: 49.133 ug/l
 RT: 1.69 min Scan# 107
 Delta R.T. -0.02 min
 Lab File: VF060206.D
 Acq: 7 Sep 2018 11:26

Tgt Ion: 74 Resp: 21331
 Ion Ratio Lower Upper
 74 100
 45 149.6 75.3 225.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.205 ug/l

RT: 1.85 min Scan# 123

Delta R.T. -0.02 min

Lab File: VF060206.D

Acq: 7 Sep 2018 11:26

Instrument :

MSVOA_F

ClientSampleId :

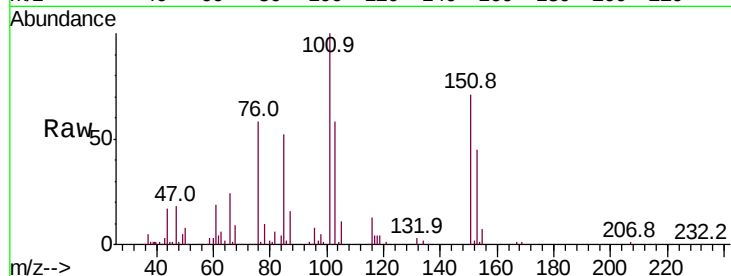
Tot Ion:101 Resp: 67782

Ion Ratio Lower Upper

101 100

85 51.9 43.0 64.4

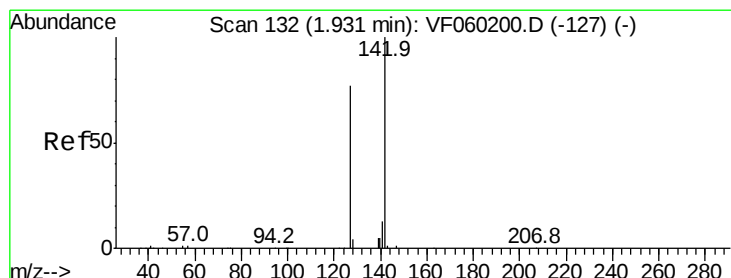
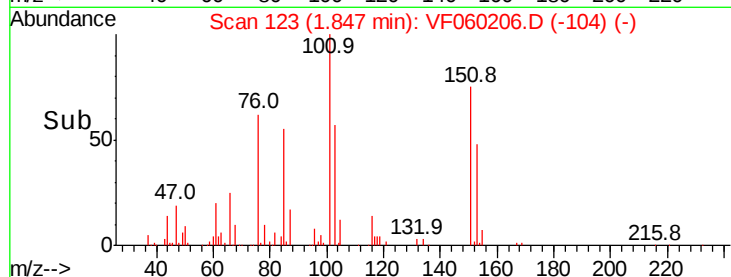
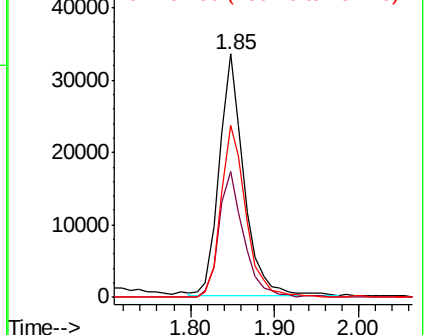
151 70.8 53.6 80.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 45.497 ug/l

RT: 1.92 min Scan# 130

Delta R.T. -0.02 min

Lab File: VF060206.D

Acq: 7 Sep 2018 11:26

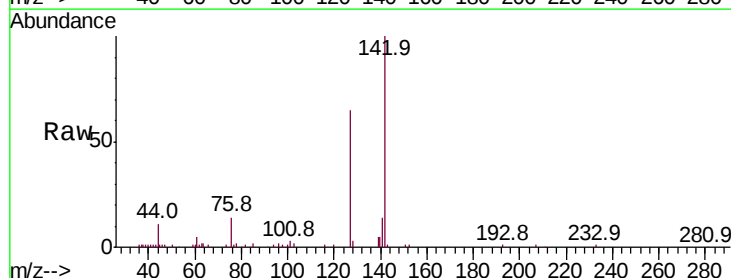
Tgt Ion:142 Resp: 58850

Ion Ratio Lower Upper

142 100

127 65.4 61.1 91.7

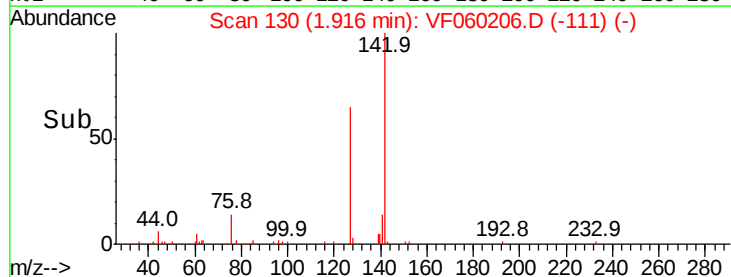
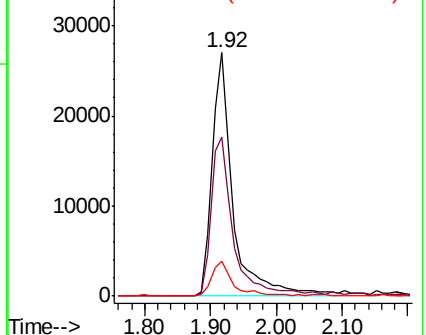
141 14.2 10.6 15.8

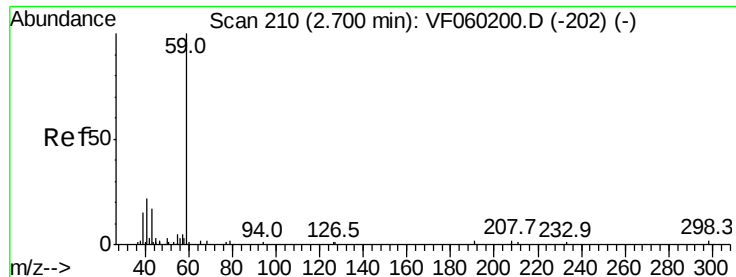


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



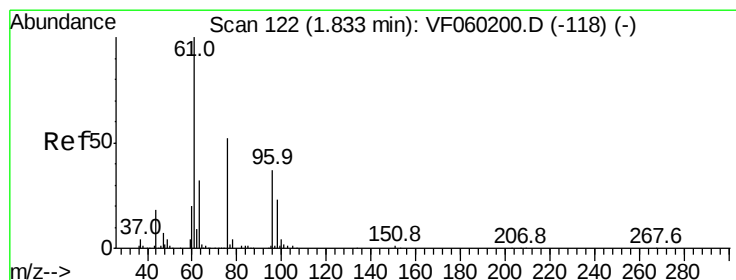
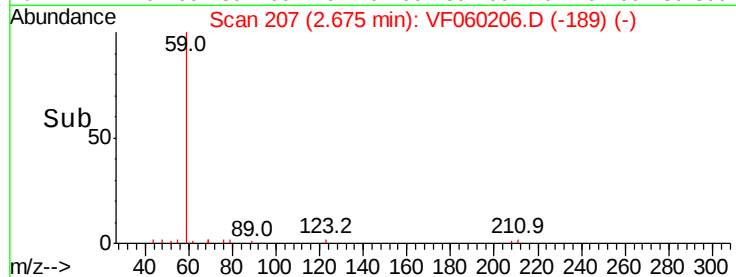
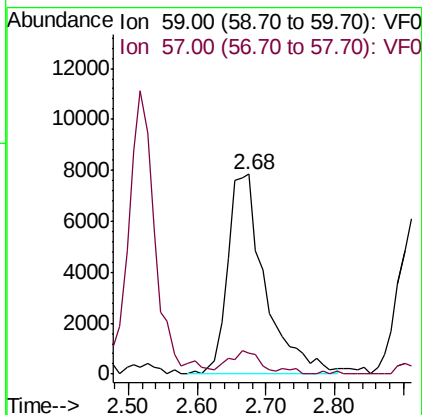
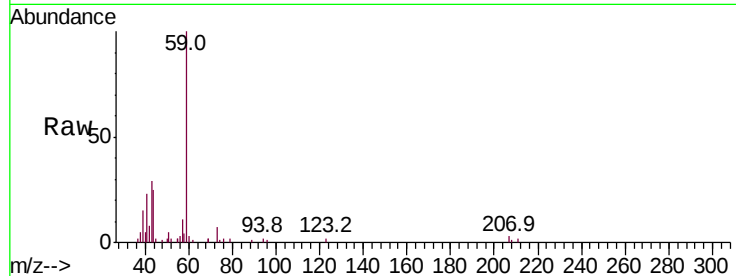


#11

Tert butyl alcohol
 Concen: 262.526 ug/l
 RT: 2.68 min Scan# 207
 Delta R.T. -0.02 min
 Lab File: VF060206.D
 Acq: 7 Sep 2018 11:26

Instrument :
 MSVOA_F
 ClientSampled :

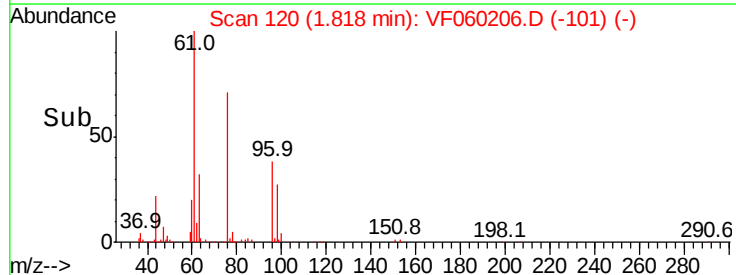
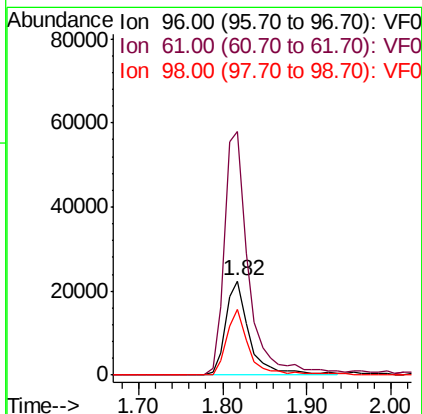
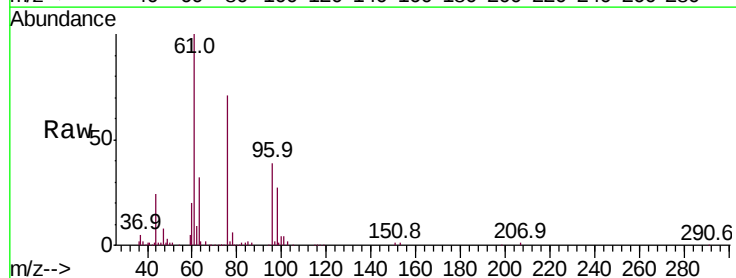
Tot Ion: 59 Resp: 29611
 Ion Ratio Lower Upper
 59 100
 57 10.7 7.2 10.8

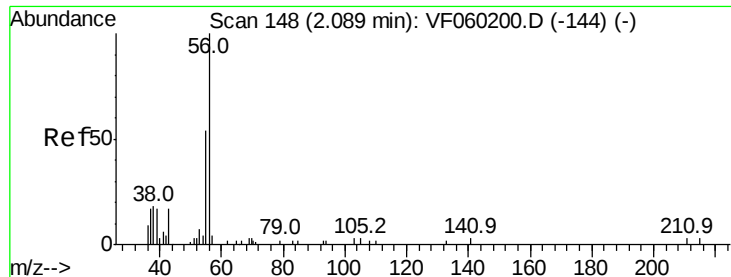


#12

1,1-Dichloroethene
 Concen: 45.570 ug/l
 RT: 1.82 min Scan# 120
 Delta R.T. -0.02 min
 Lab File: VF060206.D
 Acq: 7 Sep 2018 11:26

Tgt Ion: 96 Resp: 44515
 Ion Ratio Lower Upper
 96 100
 61 259.4 214.6 321.8
 98 69.4 50.7 76.1

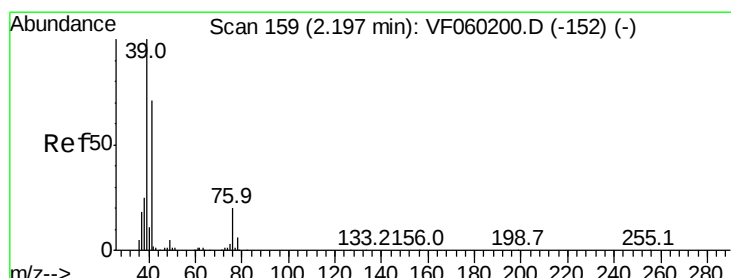
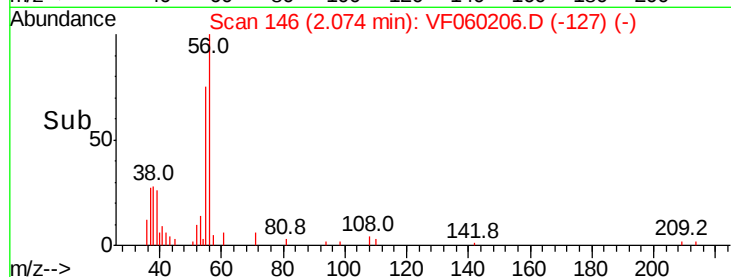
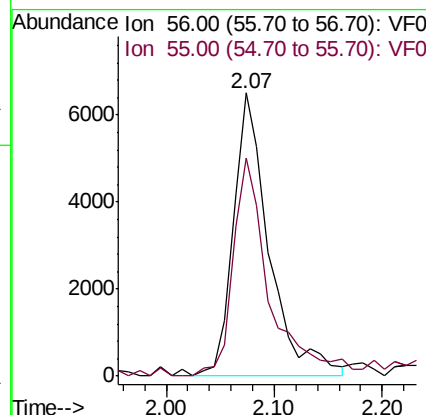
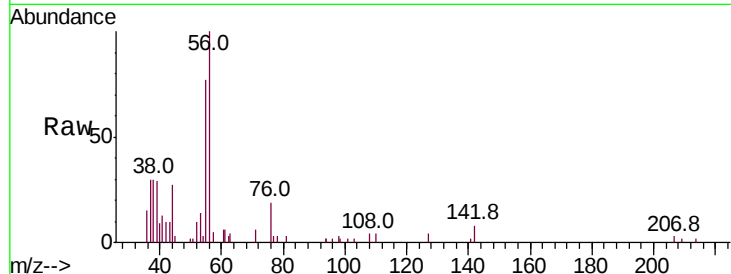




#13
Acrolein
Concen: 307.123 ug/l
RT: 2.07 min Scan# 146
Delta R.T. -0.01 min
Lab File: VF060206.D
Acq: 7 Sep 2018 11:26

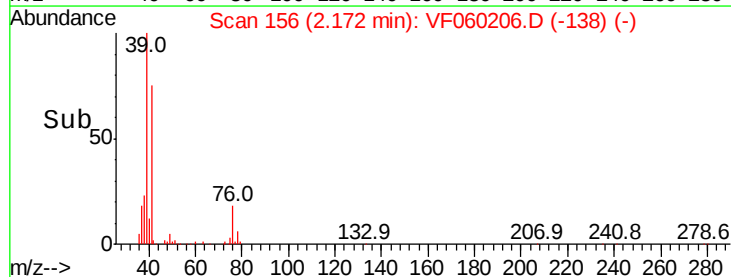
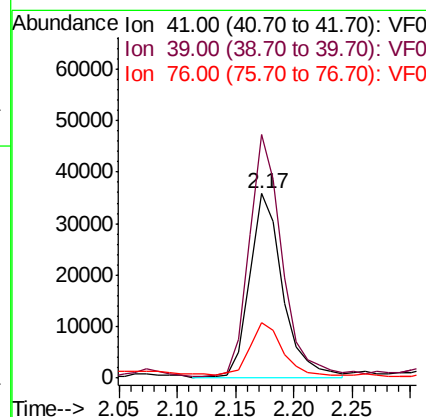
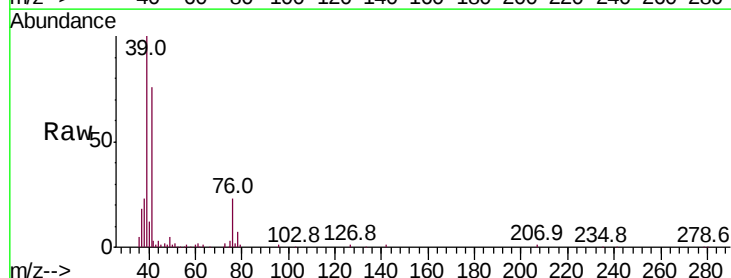
Instrument :
MSVOA_F
ClientSampleId :

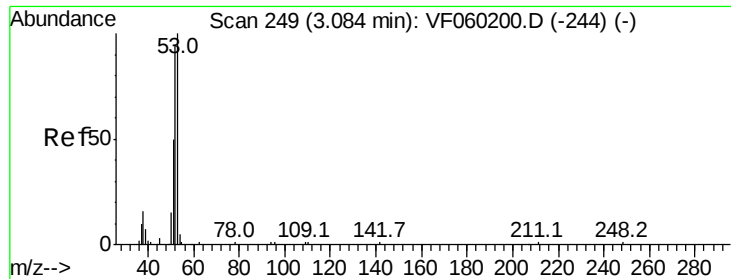
Tot Ion: 56 Resp: 14951
Ion Ratio Lower Upper
56 100
55 77.0 45.1 67.7#



#14
Allyl chloride
Concen: 47.894 ug/l
RT: 2.17 min Scan# 156
Delta R.T. -0.02 min
Lab File: VF060206.D
Acq: 7 Sep 2018 11:26

Tgt Ion: 41 Resp: 70172
Ion Ratio Lower Upper
41 100
39 132.1 112.2 168.2
76 30.2 23.2 34.8

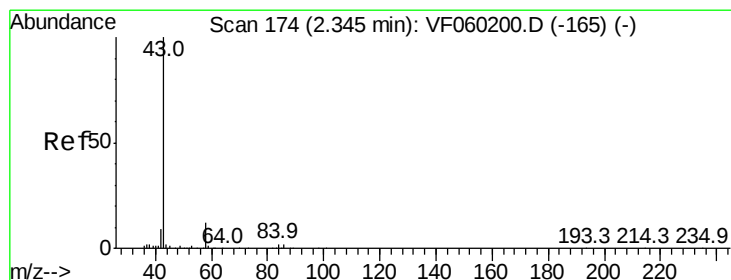
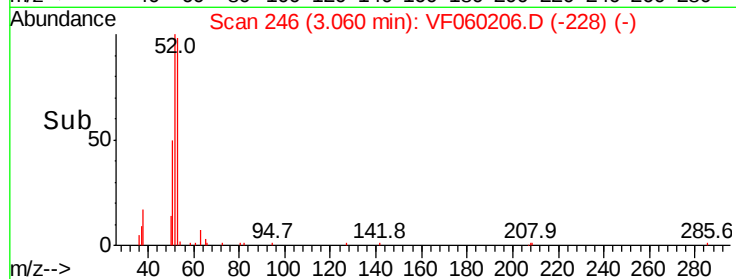
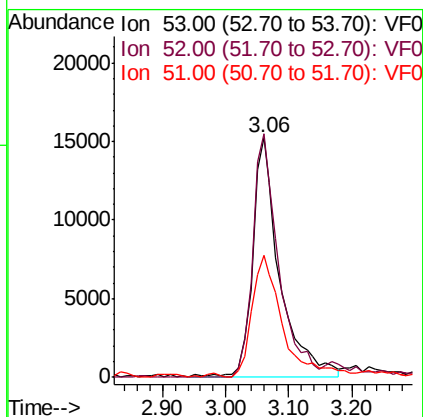
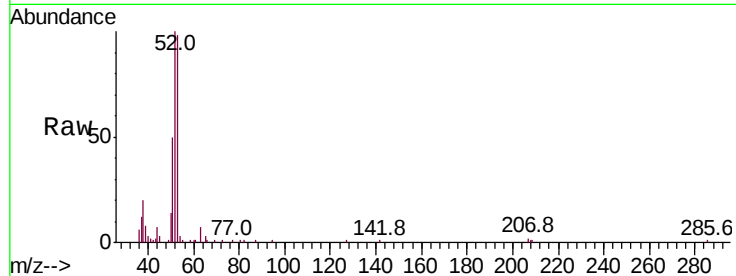




#15
 Acrylonitrile
 Concen: 254.408 ug/l
 RT: 3.06 min Scan# 246
 Delta R.T. -0.02 min
 Lab File: VF060206.D
 Acq: 7 Sep 2018 11:26

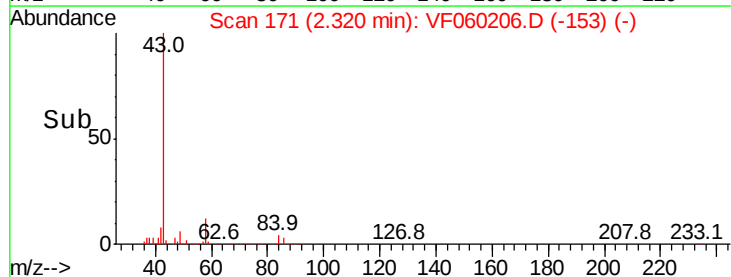
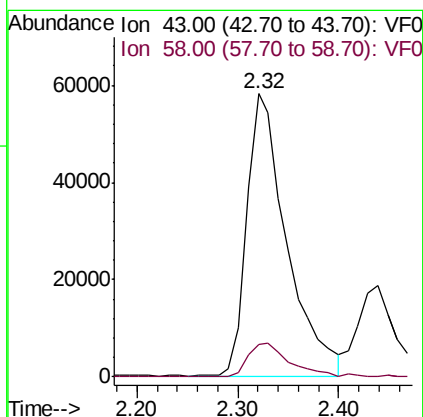
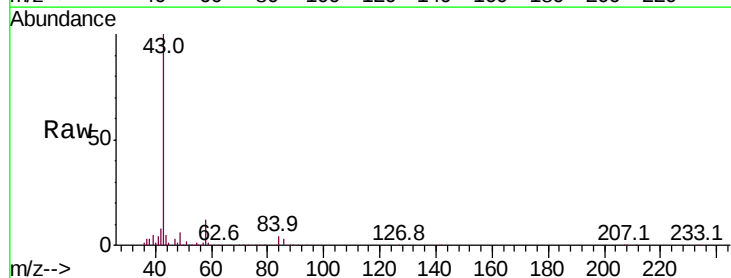
Instrument :
 MSVOA_F
 ClientSampled :

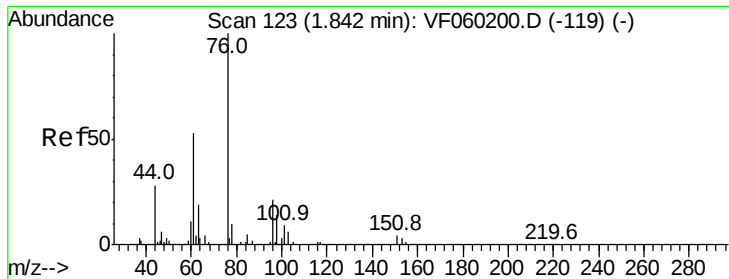
Tot Ion: 53 Resp: 45924
 Ion Ratio Lower Upper
 53 100
 52 101.7 75.0 112.6
 51 50.9 39.9 59.9



#16
 Acetone
 Concen: 290.366 ug/l
 RT: 2.32 min Scan# 171
 Delta R.T. -0.02 min
 Lab File: VF060206.D
 Acq: 7 Sep 2018 11:26

Tgt Ion: 43 Resp: 160366
 Ion Ratio Lower Upper
 43 100
 58 11.5 9.7 14.5





#17

Carbon Disulfide

Concen: 48.885 ug/l

RT: 1.83 min Scan# 121

Delta R.T. -0.02 min

Lab File: VF060206.D

Acq: 7 Sep 2018 11:26

Instrument :

MSVOA_F

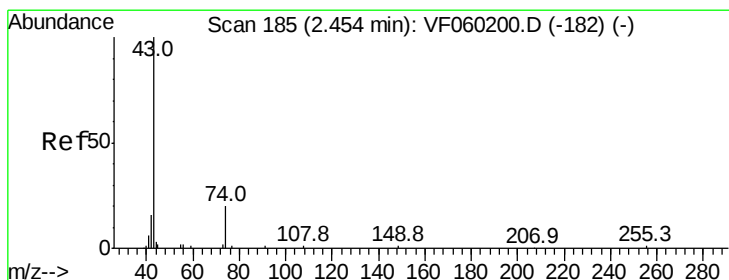
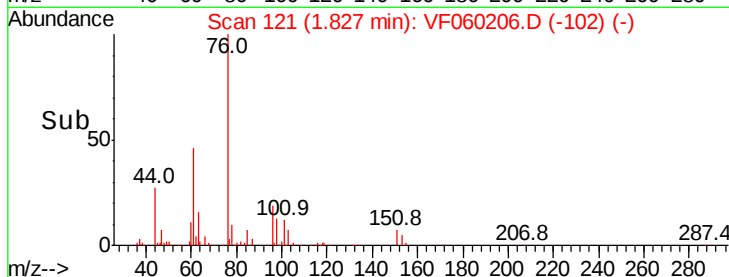
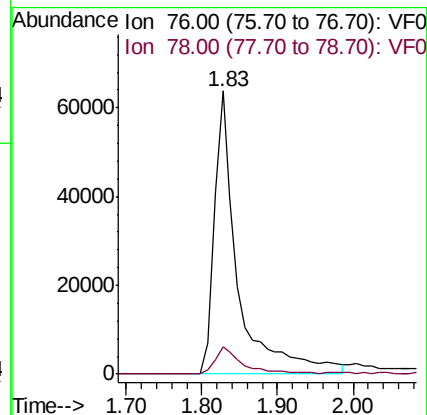
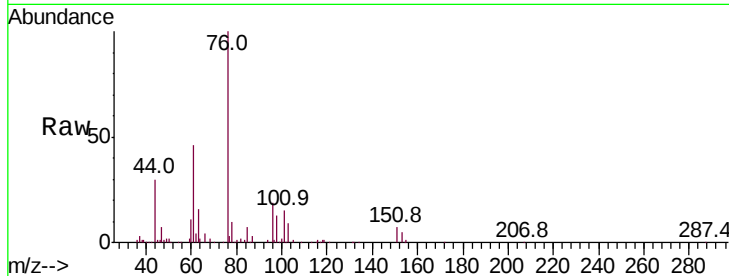
ClientSampleId :

Tot Ion: 76 Resp: 139188

Ion Ratio Lower Upper

76 100

78 9.6 8.5 12.7



#18

Methyl Acetate

Concen: 56.656 ug/l

RT: 2.44 min Scan# 183

Delta R.T. -0.02 min

Lab File: VF060206.D

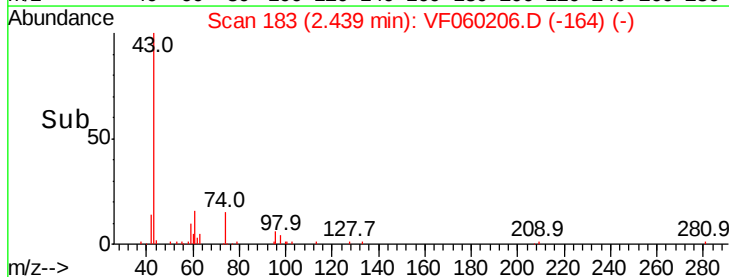
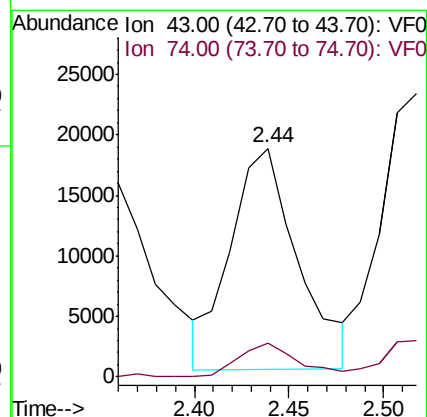
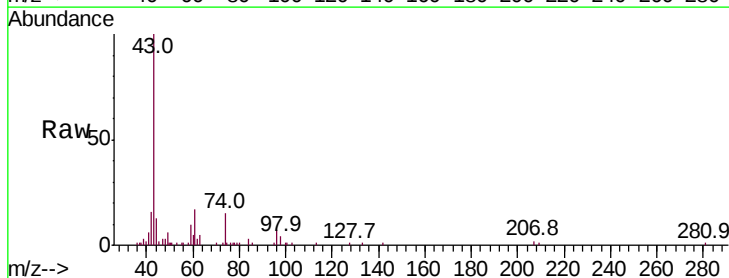
Acq: 7 Sep 2018 11:26

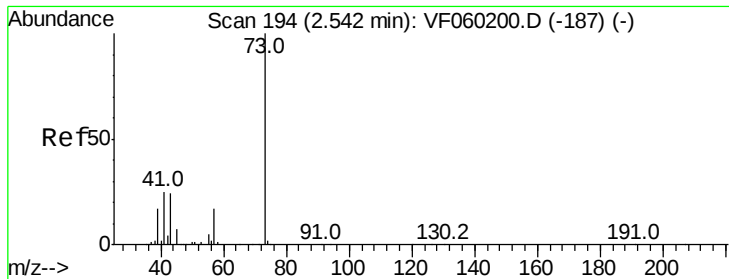
Tgt Ion: 43 Resp: 45457

Ion Ratio Lower Upper

43 100

74 14.6 11.9 17.9



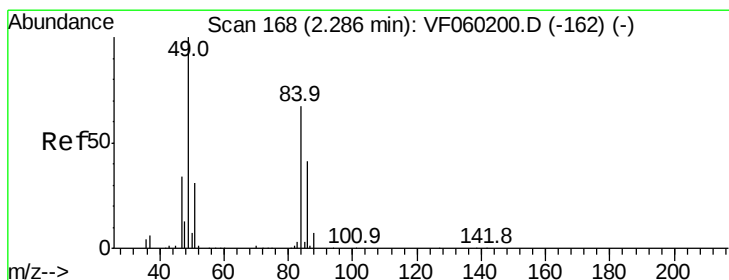
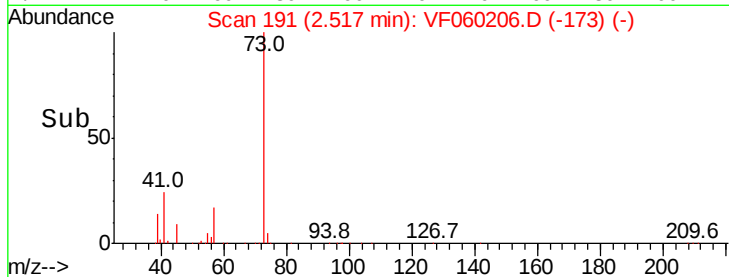
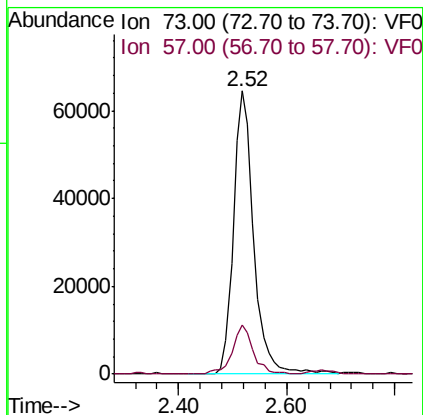
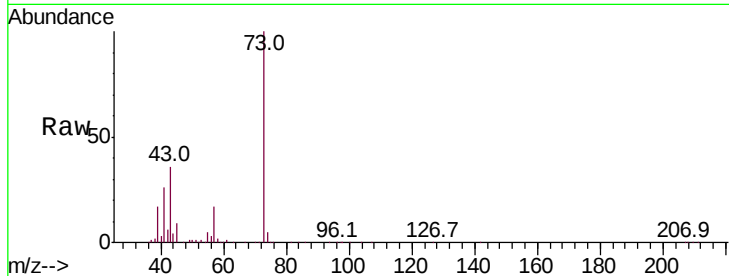


#19

Methyl tert-butyl Ether
 Concen: 52.192 ug/l
 RT: 2.52 min Scan# 191
 Delta R.T. -0.02 min
 Lab File: VF060206.D
 Acq: 7 Sep 2018 11:26

Instrument :
 MSVOA_F
 ClientSampleId :

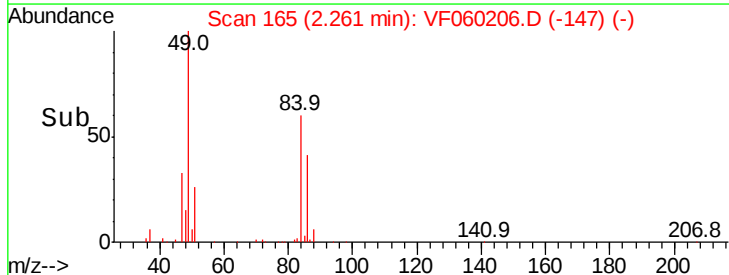
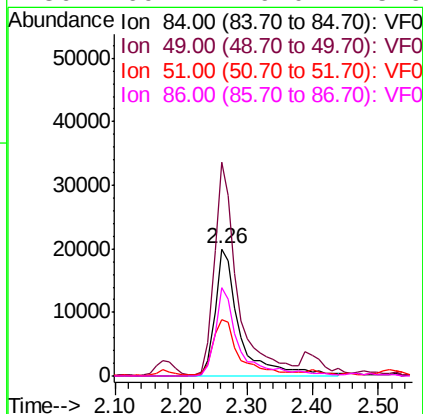
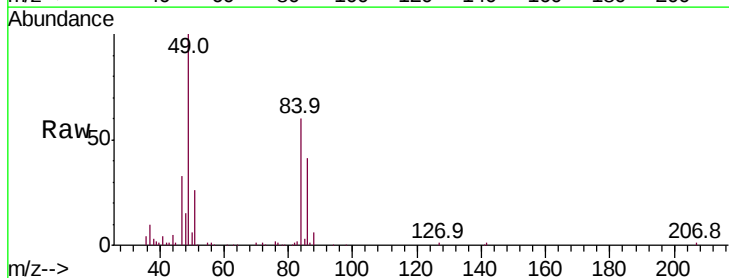
Tot Ion: 73 Resp: 168680
 Ion Ratio Lower Upper
 73 100
 57 17.2 14.3 21.5

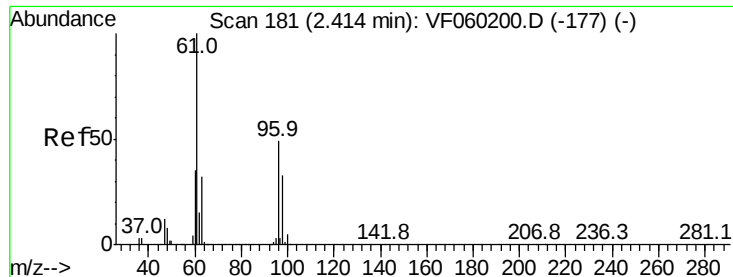


#20

Methylene Chloride
 Concen: 43.173 ug/l
 RT: 2.26 min Scan# 165
 Delta R.T. -0.02 min
 Lab File: VF060206.D
 Acq: 7 Sep 2018 11:26

Tgt Ion: 84 Resp: 51503
 Ion Ratio Lower Upper
 84 100
 49 167.9 120.1 180.1
 51 44.2 37.0 55.6
 86 69.4 49.0 73.6





#21

trans-1,2-Dichloroethene

Concen: 48.992 ug/l

RT: 2.40 min Scan# 179

Delta R.T. -0.02 min

Lab File: VF060206.D

Acq: 7 Sep 2018 11:26

Instrument :

MSVOA_F

ClientSampleId :

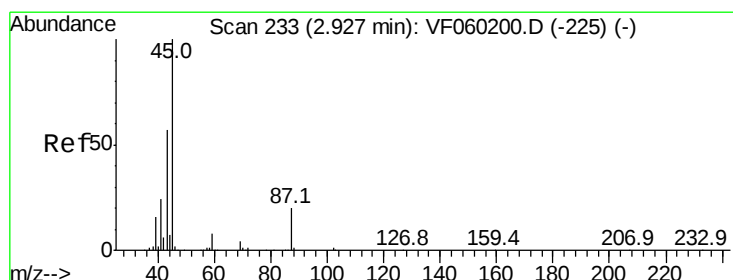
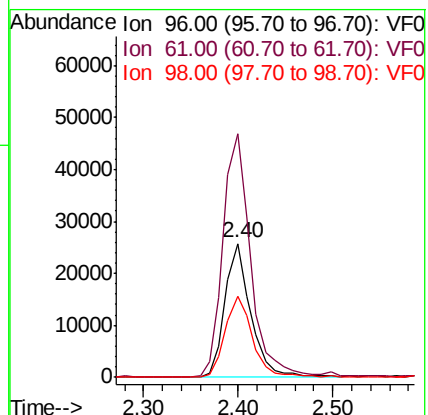
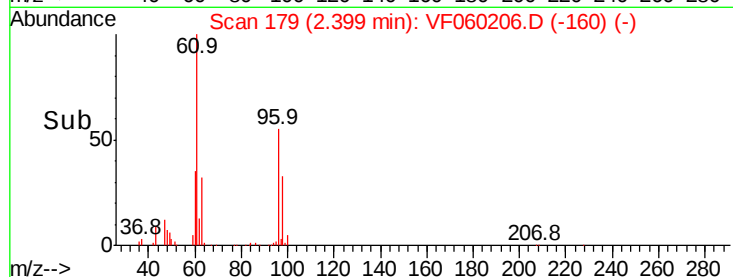
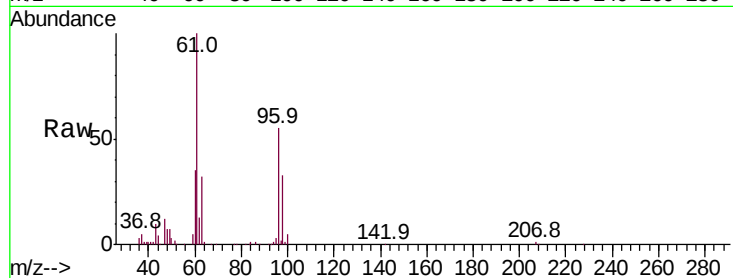
Tot Ion: 96 Resp: 48971

Ion Ratio Lower Upper

96 100

61 181.8 163.1 244.7

98 60.5 54.1 81.1



#22

Diisopropyl ether

Concen: 50.455 ug/l

RT: 2.90 min Scan# 230

Delta R.T. -0.02 min

Lab File: VF060206.D

Acq: 7 Sep 2018 11:26

Tgt Ion: 45 Resp: 185260

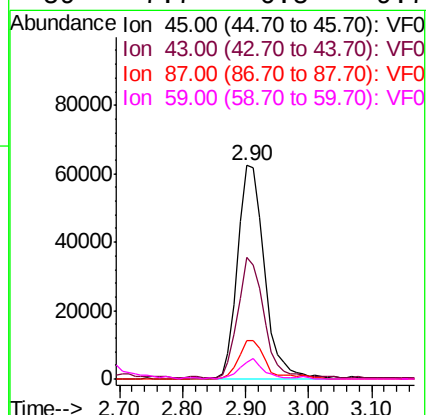
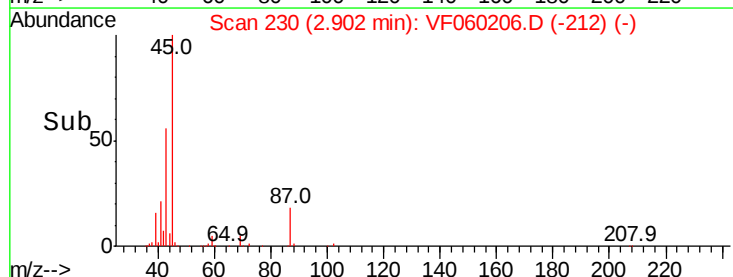
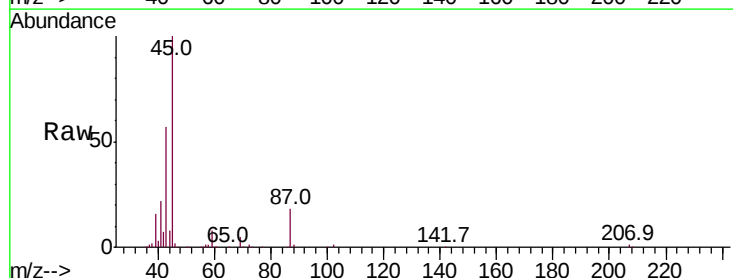
Ion Ratio Lower Upper

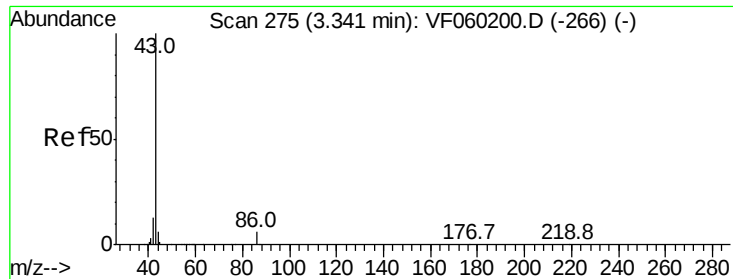
45 100

43 56.8 46.2 69.4

87 17.7 16.1 24.1

59 7.7 6.5 9.7





#23

Vinyl Acetate

Concen: 266.466 ug/l

RT: 3.32 min Scan# 272

Delta R.T. -0.02 min

Lab File: VF060206.D

Acq: 7 Sep 2018 11:26

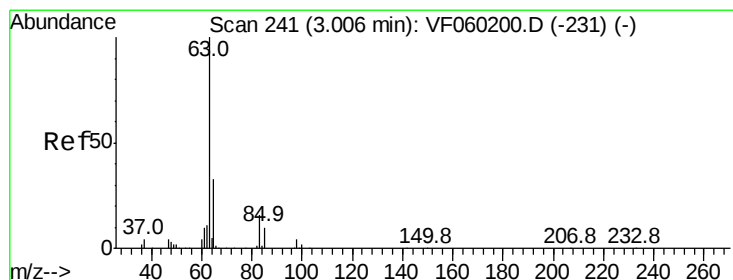
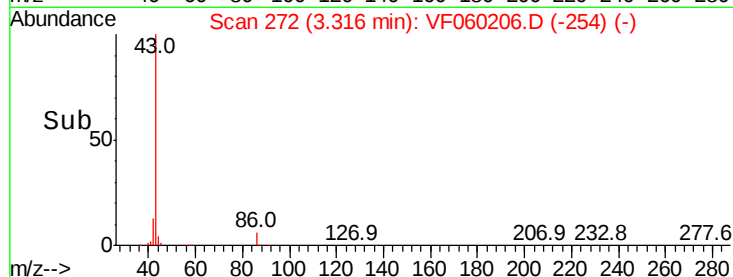
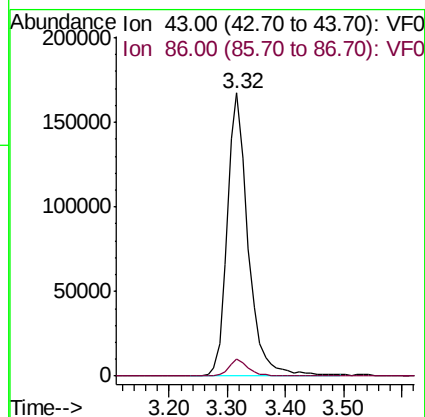
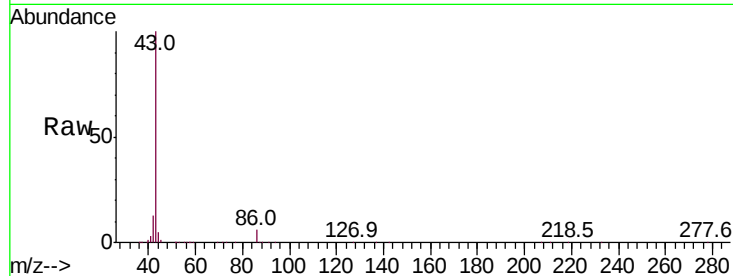
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 415226

Ion Ratio Lower Upper

43 100

86 6.0 4.8 7.2



#24

1,1-Dichloroethane

Concen: 48.699 ug/l

RT: 2.98 min Scan# 238

Delta R.T. -0.02 min

Lab File: VF060206.D

Acq: 7 Sep 2018 11:26

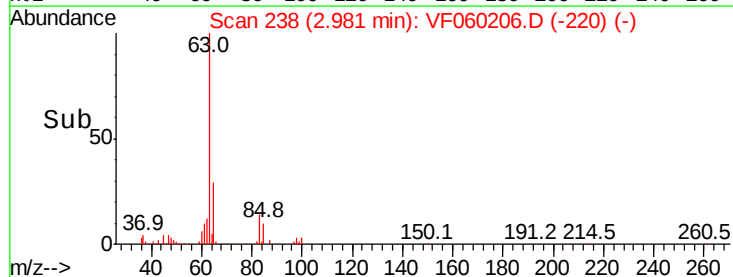
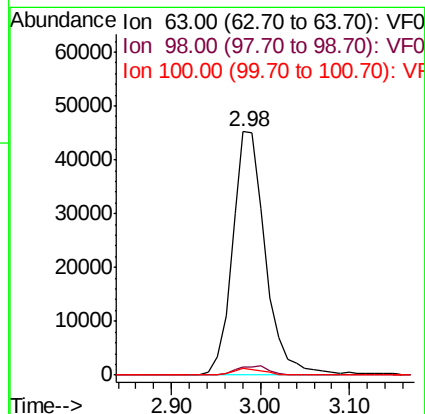
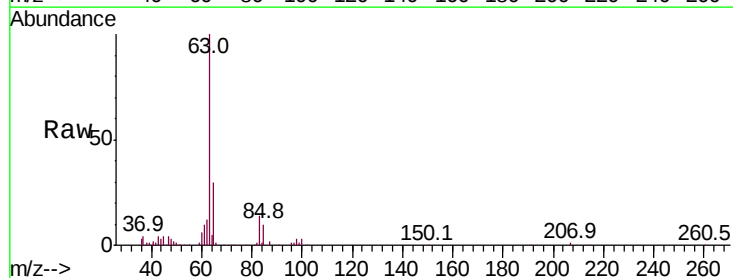
Tgt Ion: 63 Resp: 116306

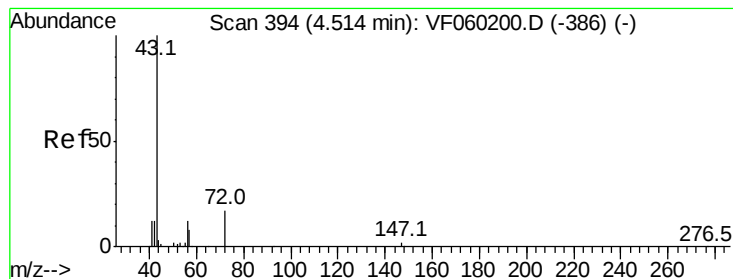
Ion Ratio Lower Upper

63 100

98 3.4 1.9 5.7

100 2.6 1.1 3.1





#25

2-Butanone

Concen: 278.489 ug/l

RT: 4.49 min Scan# 391

Delta R.T. -0.02 min

Lab File: VF060206.D

Acq: 7 Sep 2018 11:26

Instrument :

MSVOA_F

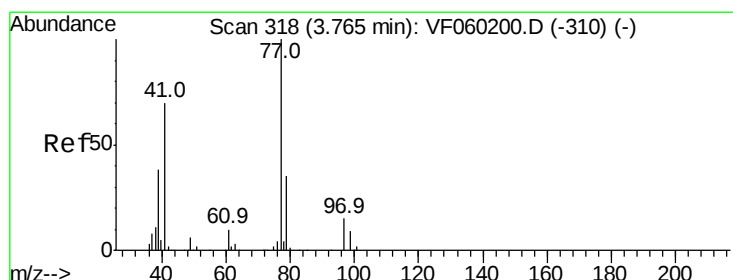
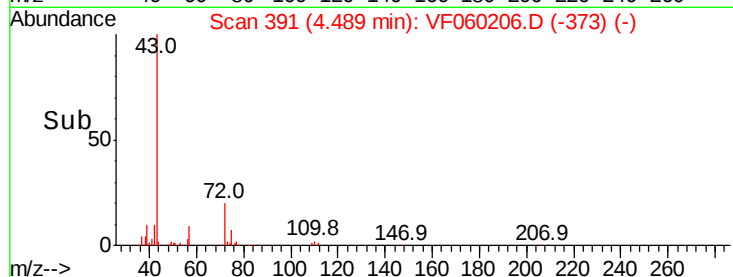
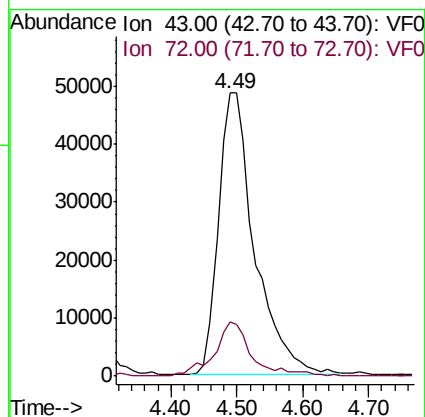
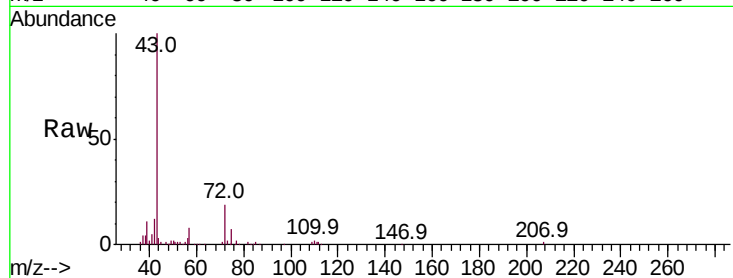
ClientSampled :

Tot Ion: 43 Resp: 185848

Ion Ratio Lower Upper

43 100

72 19.2 14.8 22.2



#26

2,2-Dichloropropane

Concen: 48.713 ug/l

RT: 3.74 min Scan# 315

Delta R.T. -0.02 min

Lab File: VF060206.D

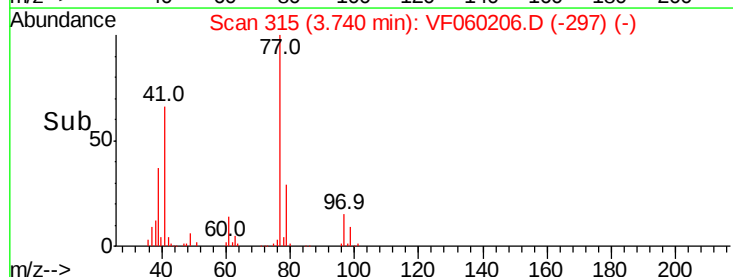
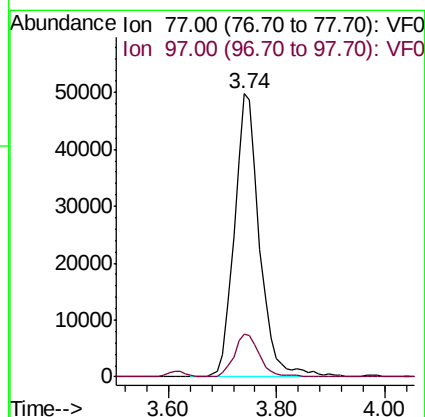
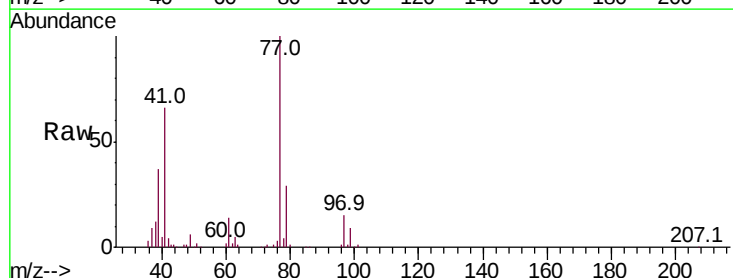
Acq: 7 Sep 2018 11:26

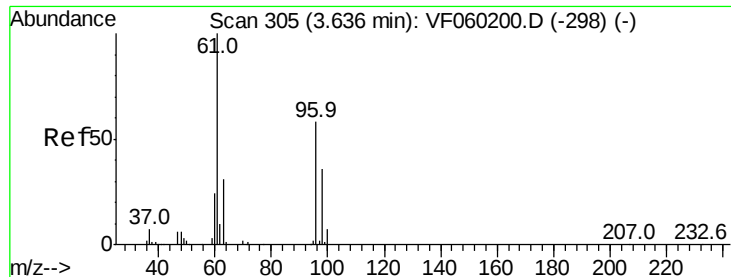
Tgt Ion: 77 Resp: 161326

Ion Ratio Lower Upper

77 100

97 15.2 7.5 22.5



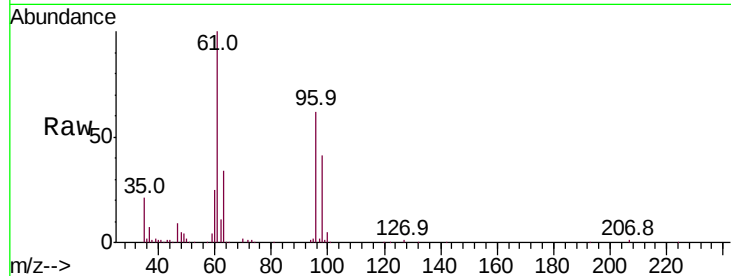


#27

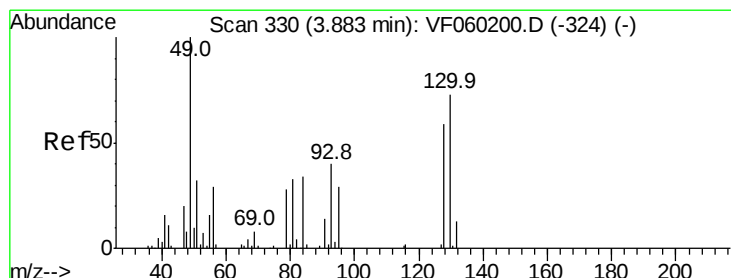
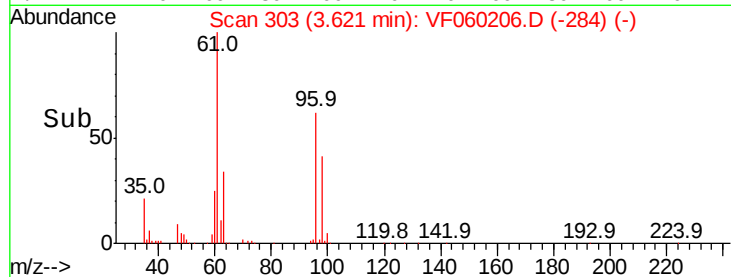
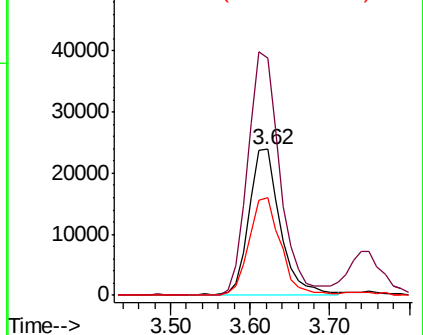
cis-1,2-Dichloroethene
Concen: 49.708 ug/l
RT: 3.62 min Scan# 303
Delta R.T. -0.02 min
Lab File: VF060206.D
Acq: 7 Sep 2018 11:26

Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 96 Resp: 64852
Ion Ratio Lower Upper
96 100
61 162.0 0.0 345.2
98 67.0 0.0 124.6



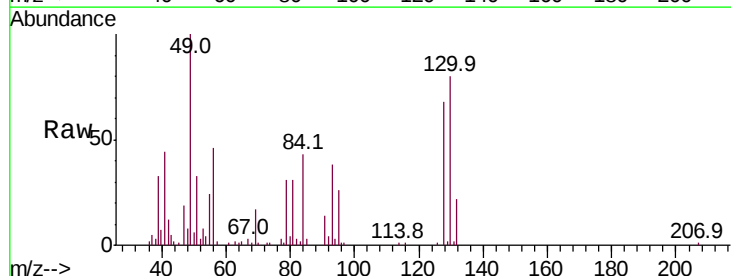
Abundance Ion 96.00 (95.70 to 96.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 98.00 (97.70 to 98.70): VF0



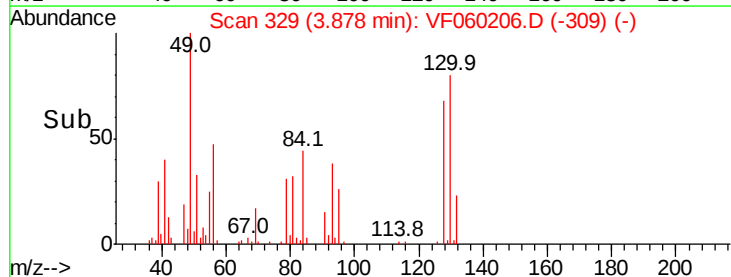
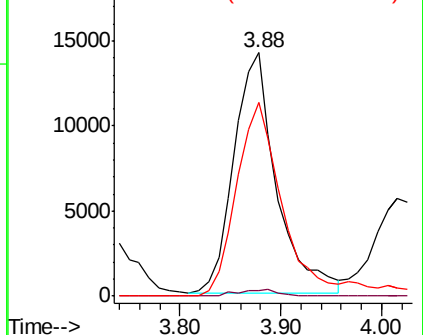
#28

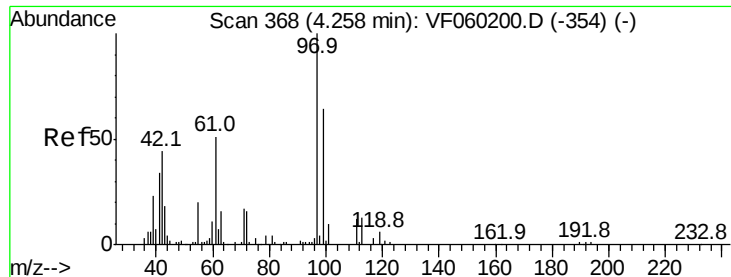
Bromochloromethane
Concen: 50.848 ug/l
RT: 3.88 min Scan# 329
Delta R.T. -0.01 min
Lab File: VF060206.D
Acq: 7 Sep 2018 11:26

Tgt Ion: 49 Resp: 41357
Ion Ratio Lower Upper
49 100
129 2.3 0.0 0.0#
130 79.6 57.8 86.6



Abundance Ion 49.00 (48.70 to 49.70): VF0
Ion 129.00 (128.70 to 129.70): V
Ion 130.00 (129.70 to 130.70): V





#29

Tetrahydrofuran

Concen: 299.916 ug/l

RT: 4.23 min Scan# 365

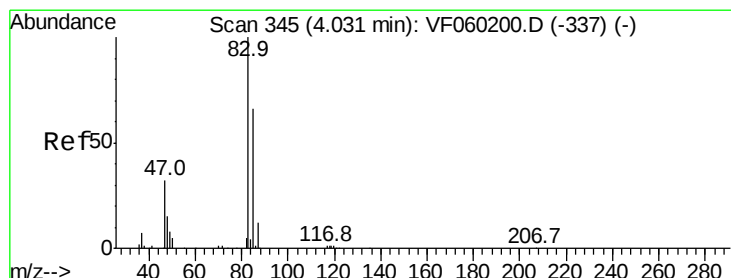
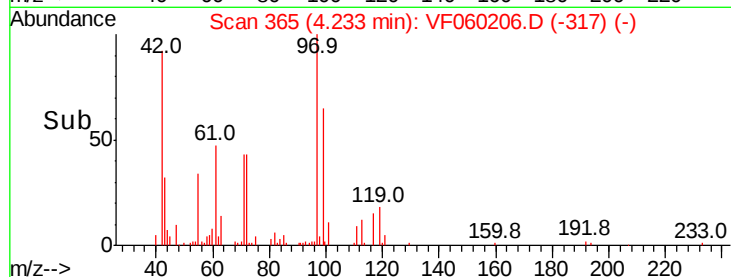
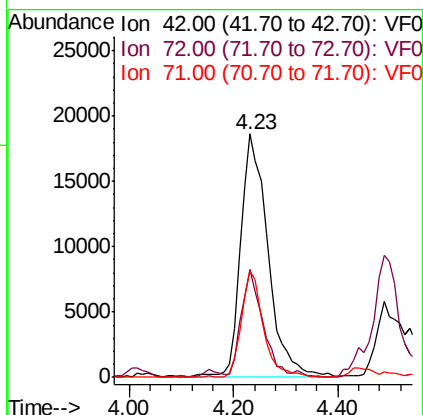
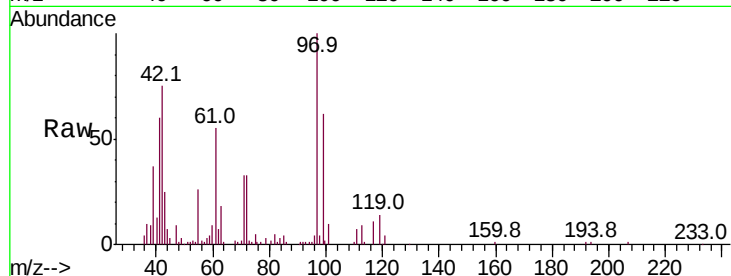
Delta R.T. -0.02 min

Lab File: VF060206.D

Acq: 7 Sep 2018 11:26

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:	42	Resp:	66167
Ion	Ratio	Lower	Upper
42	100		
72	33.1	27.4	41.0
71	35.1	28.5	42.7



#30

Chloroform

Concen: 47.553 ug/l

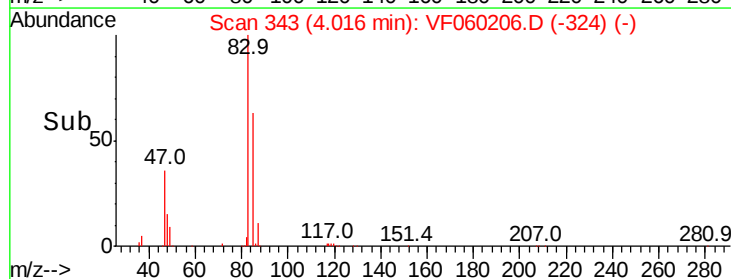
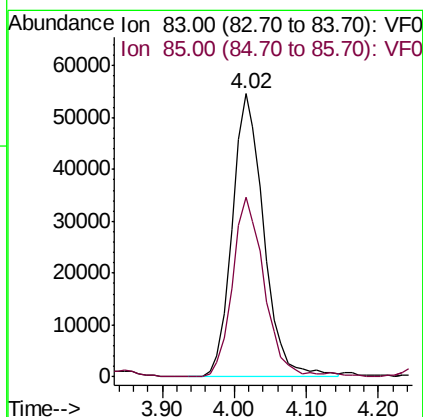
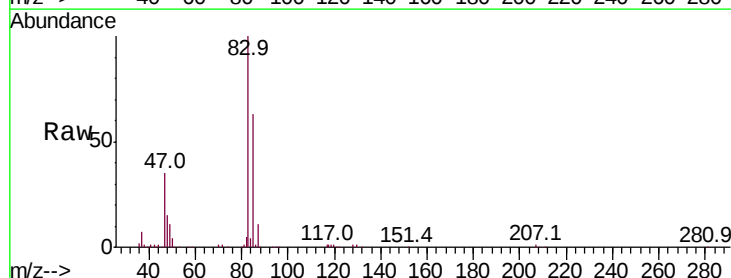
RT: 4.02 min Scan# 343

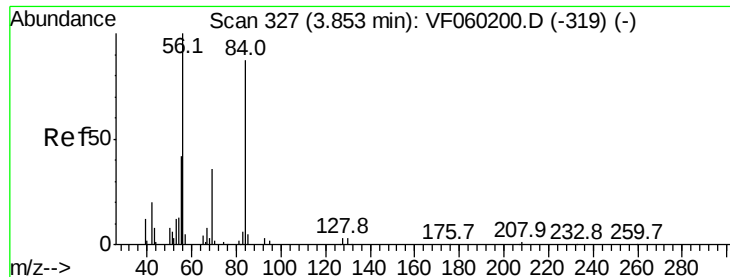
Delta R.T. -0.02 min

Lab File: VF060206.D

Acq: 7 Sep 2018 11:26

Tgt Ion:	83	Resp:	166374
Ion	Ratio	Lower	Upper
83	100		
85	63.4	52.6	79.0

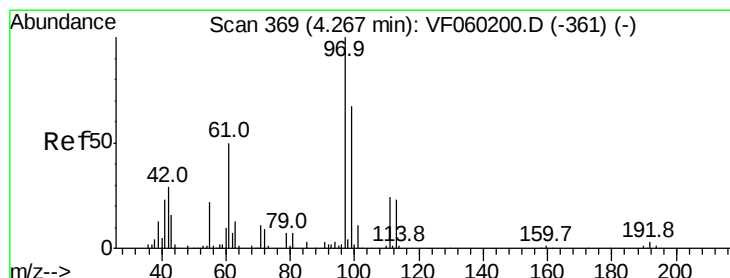
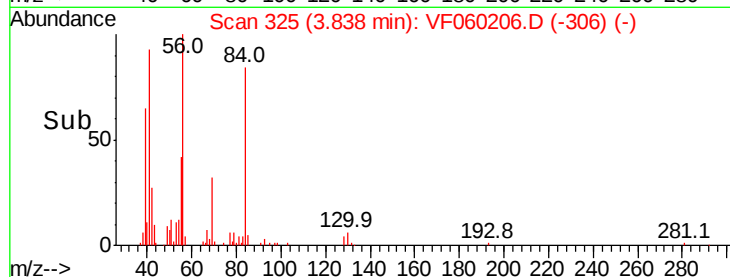
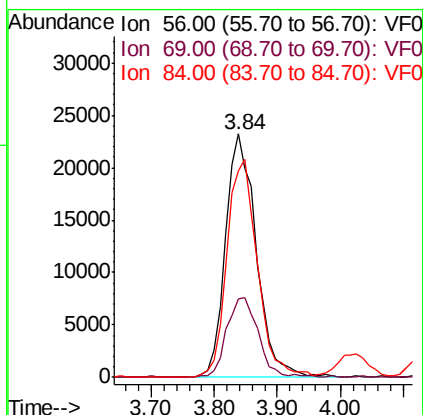
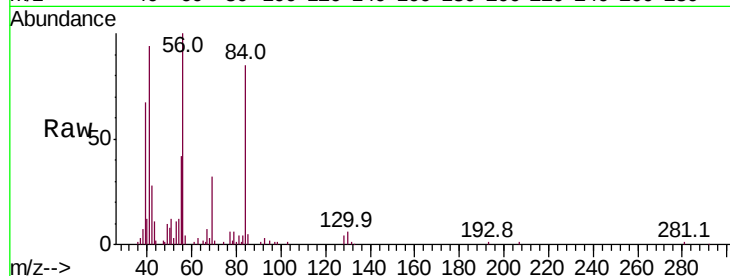




#31
Cyclohexane
Concen: 47.925 ug/l
RT: 3.84 min Scan# 325
Delta R.T. -0.02 min
Lab File: VF060206.D
Acq: 7 Sep 2018 11:26

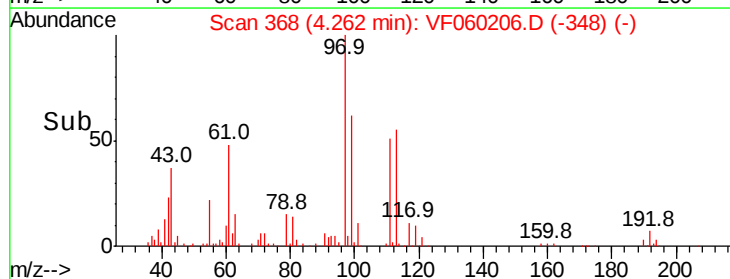
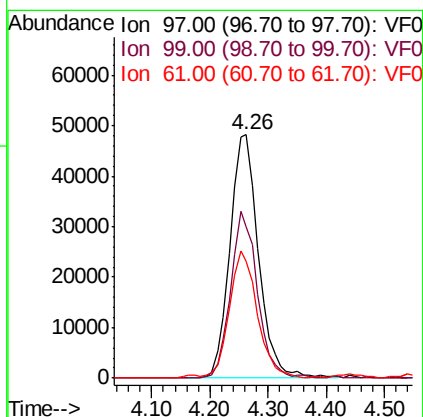
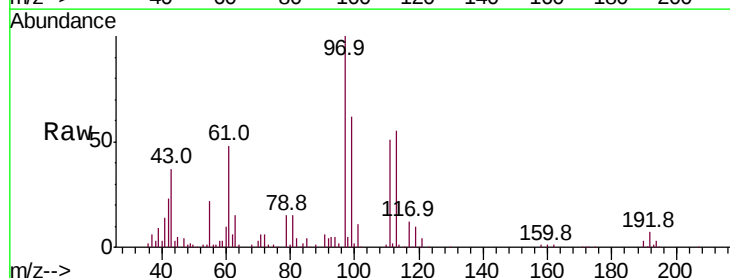
Instrument :
MSVOA_F
ClientSampleId :

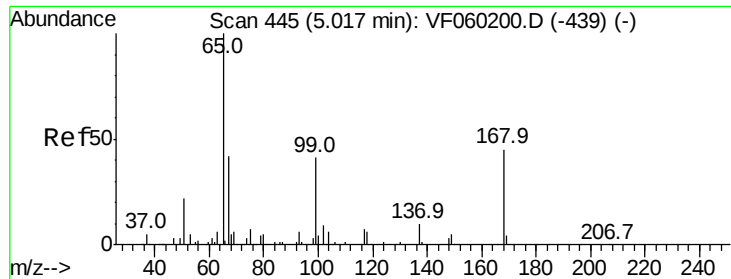
Tot Ion: 56 Resp: 78303
Ion Ratio Lower Upper
56 100
69 32.1 28.7 43.1
84 84.8 69.7 104.5



#32
1,1,1-Trichloroethane
Concen: 47.194 ug/l
RT: 4.26 min Scan# 368
Delta R.T. -0.01 min
Lab File: VF060206.D
Acq: 7 Sep 2018 11:26

Tgt Ion: 97 Resp: 164491
Ion Ratio Lower Upper
97 100
99 62.2 53.5 80.3
61 47.8 40.4 60.6





#33

1,2-Dichloroethane-d4

Concen: 53.854 ug/l

RT: 5.00 min Scan# 443

Delta R.T. -0.02 min

Lab File: VF060206.D

Acq: 7 Sep 2018 11:26

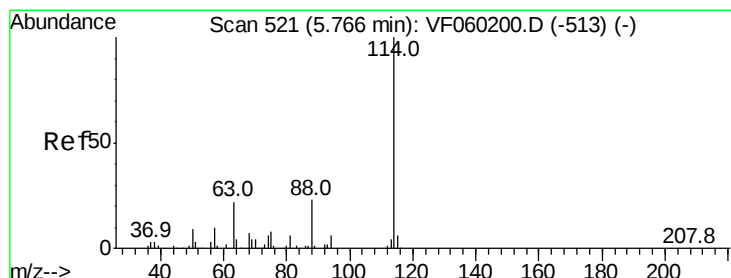
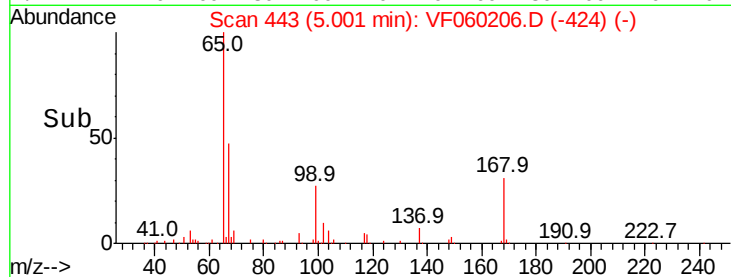
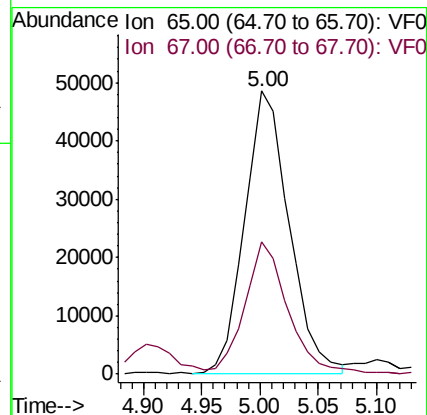
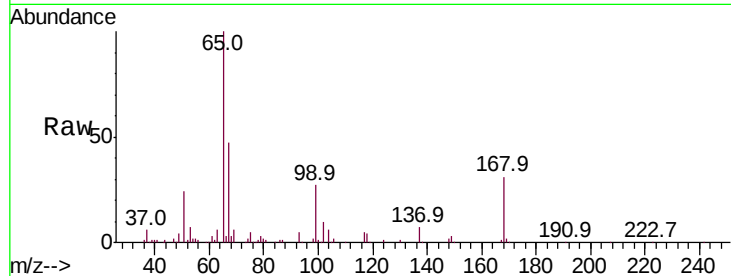
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 65 Resp: 127869

Ion Ratio Lower Upper

65 100

67 46.8 0.0 87.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.75 min Scan# 519

Delta R.T. -0.02 min

Lab File: VF060206.D

Acq: 7 Sep 2018 11:26

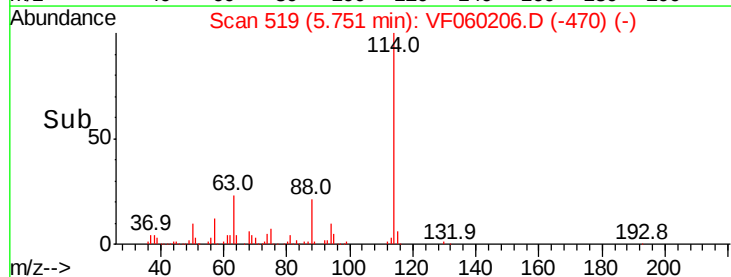
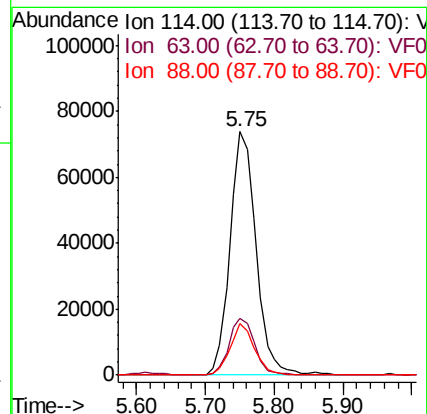
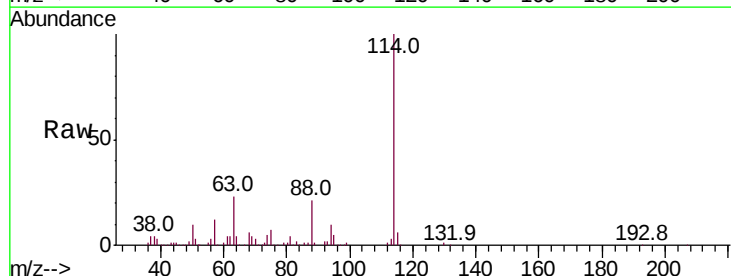
Tgt Ion:114 Resp: 194110

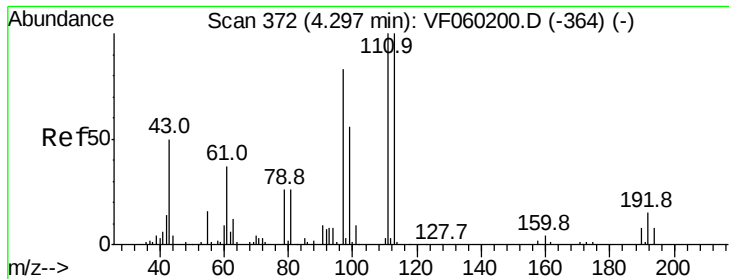
Ion Ratio Lower Upper

114 100

63 23.1 0.0 45.6

88 21.2 0.0 46.4





#35

Dibromofluoromethane

Concen: 53.683 ug/l

RT: 4.27 min Scan# 369

Delta R.T. -0.02 min

Lab File: VF060206.D

Acq: 7 Sep 2018 11:26

Instrument :

MSVOA_F

ClientSampleId :

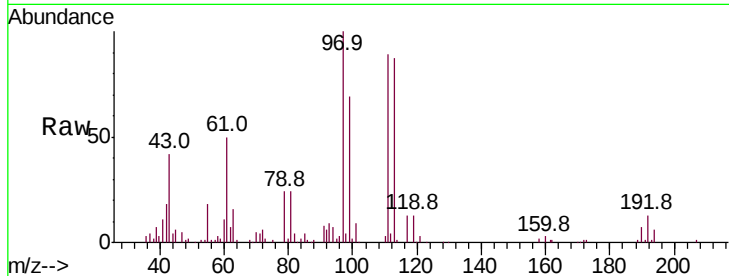
Tot Ion:113 Resp: 102091

Ion Ratio Lower Upper

113 100

111 101.6 80.2 120.2

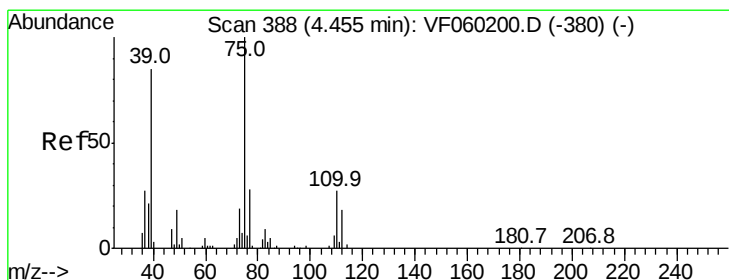
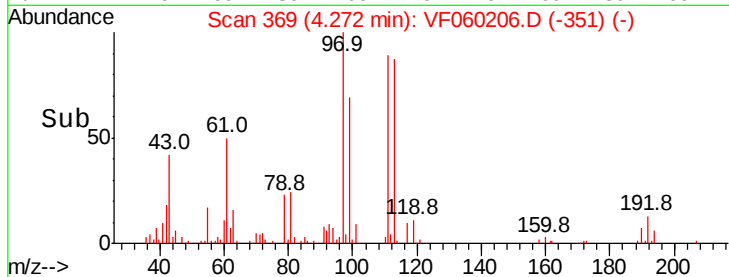
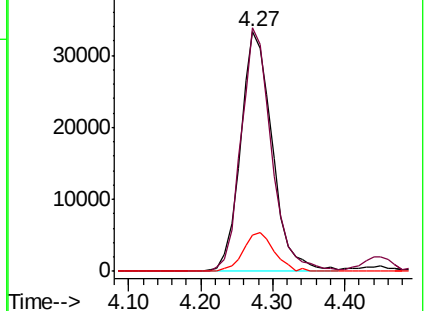
192 15.2 11.8 17.8



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 47.739 ug/l

RT: 4.44 min Scan# 386

Delta R.T. -0.02 min

Lab File: VF060206.D

Acq: 7 Sep 2018 11:26

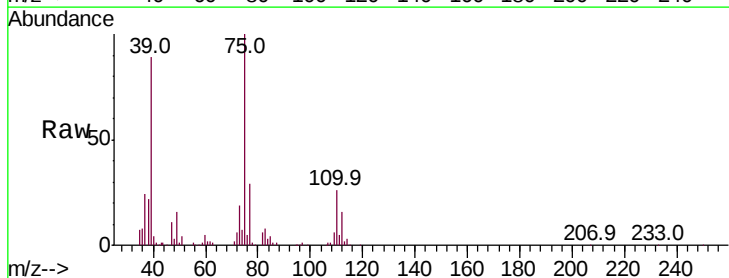
Tgt Ion: 75 Resp: 109067

Ion Ratio Lower Upper

75 100

110 26.3 13.6 40.7

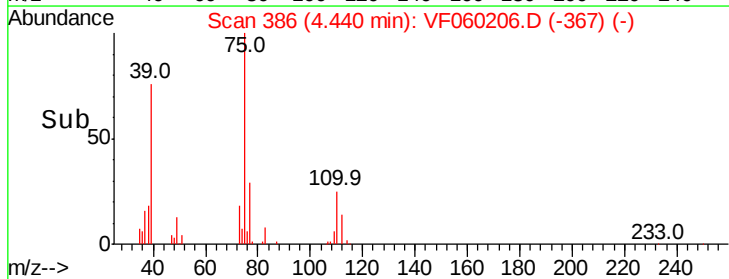
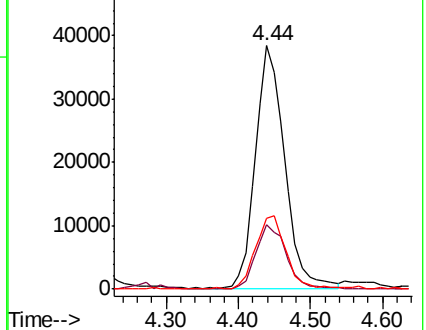
77 29.2 22.7 34.1

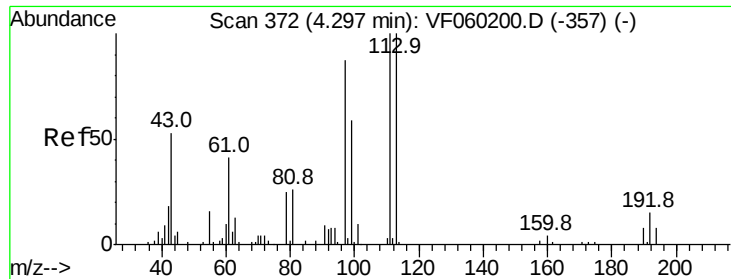


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

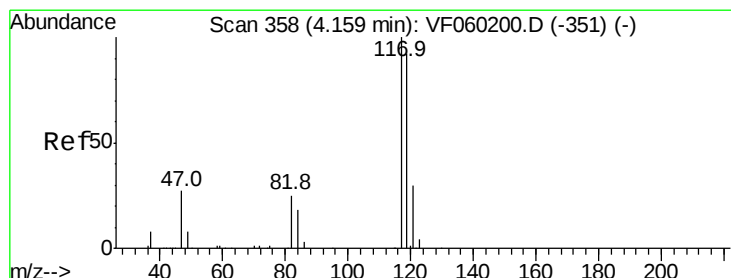
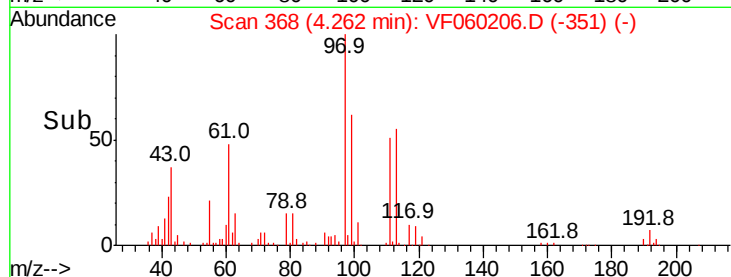
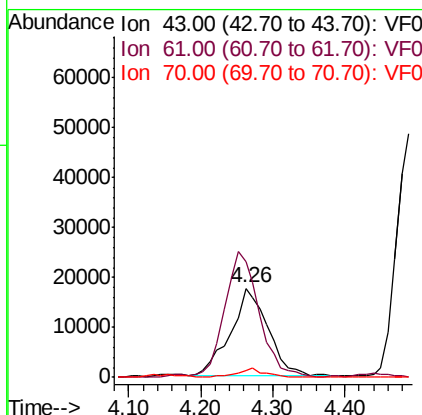
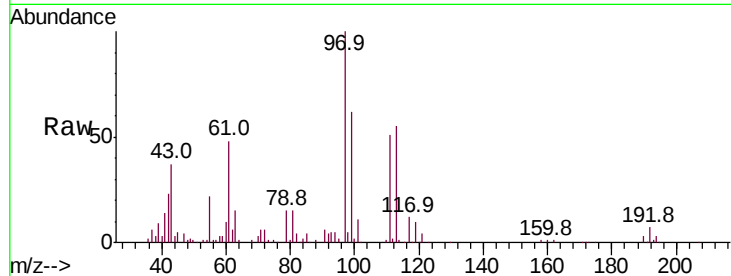




#37
Ethyl Acetate
Concen: 56.431 ug/l
RT: 4.26 min Scan# 368
Delta R.T. -0.03 min
Lab File: VF060206.D
Acq: 7 Sep 2018 11:26

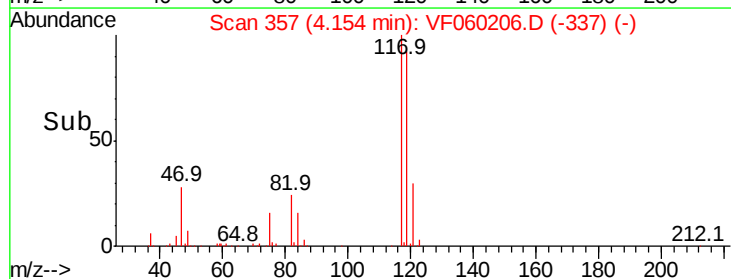
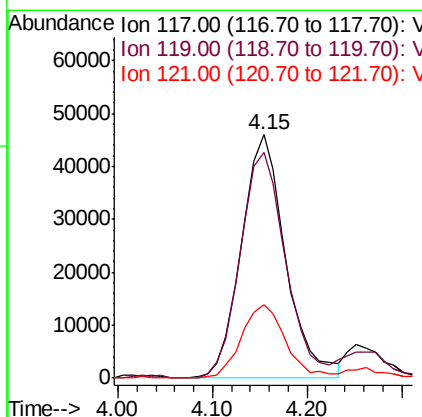
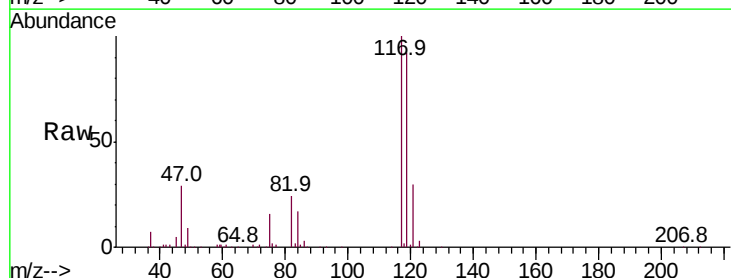
Instrument :
MSVOA_F
ClientSampleId :

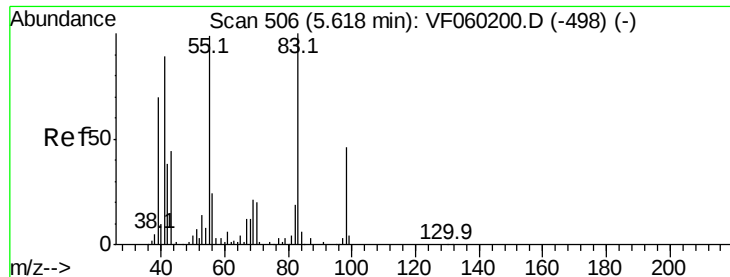
Tot Ion: 43 Resp: 64683
Ion Ratio Lower Upper
43 100
61 129.3 61.6 92.4#
70 7.4 6.9 10.3



#38
Carbon Tetrachloride
Concen: 47.614 ug/l
RT: 4.15 min Scan# 357
Delta R.T. -0.01 min
Lab File: VF060206.D
Acq: 7 Sep 2018 11:26

Tgt Ion: 117 Resp: 149554
Ion Ratio Lower Upper
117 100
119 92.5 73.0 109.6
121 30.0 23.9 35.9

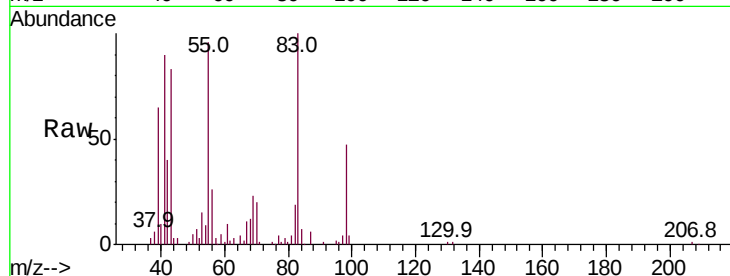




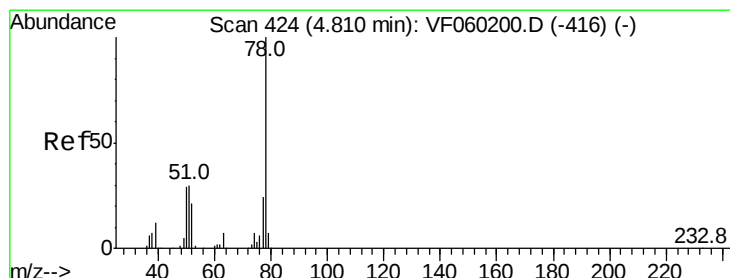
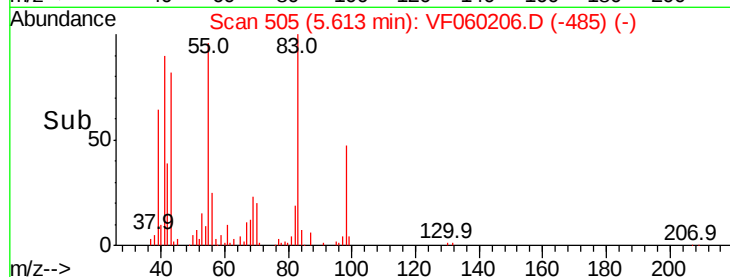
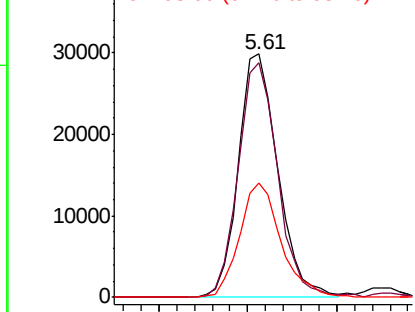
#39
Methvlcvclohexane
Concen: 47.997 ug/l
RT: 5.61 min Scan# 505
Delta R.T. -0.01 min
Lab File: VF060206.D
Acq: 7 Sep 2018 11:26

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 83 Resp: 91861
Ion Ratio Lower Upper
83 100
55 96.5 79.0 118.4
98 46.8 36.7 55.1

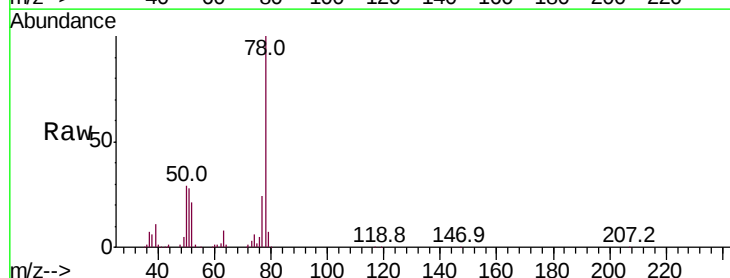


Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0

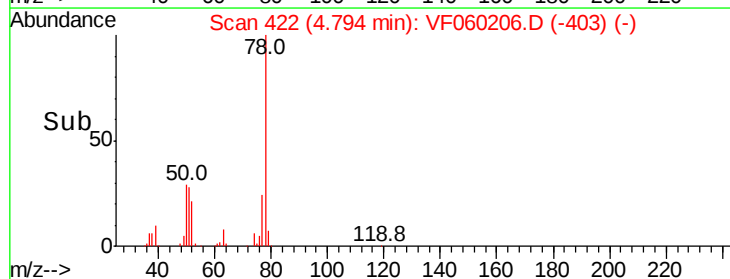
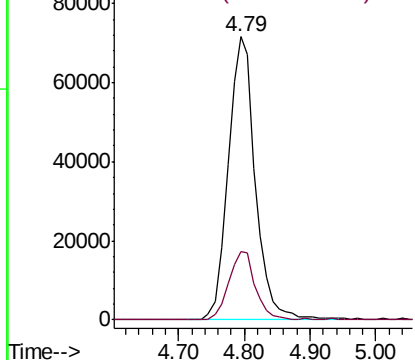


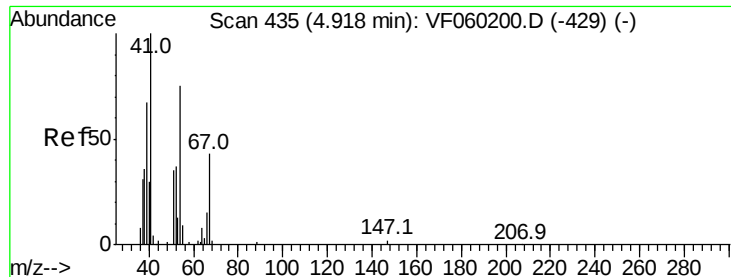
#40
Benzene
Concen: 50.657 ug/l
RT: 4.79 min Scan# 422
Delta R.T. -0.02 min
Lab File: VF060206.D
Acq: 7 Sep 2018 11:26

Tgt Ion: 78 Resp: 206199
Ion Ratio Lower Upper
78 100
77 24.3 19.0 28.4



Abundance Ion 78.10 (77.80 to 78.80): VF0
Ion 77.00 (76.70 to 77.70): VF0

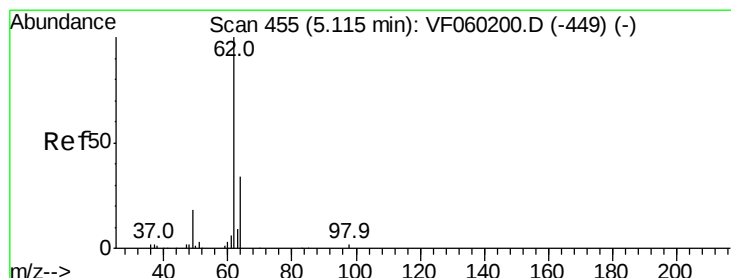
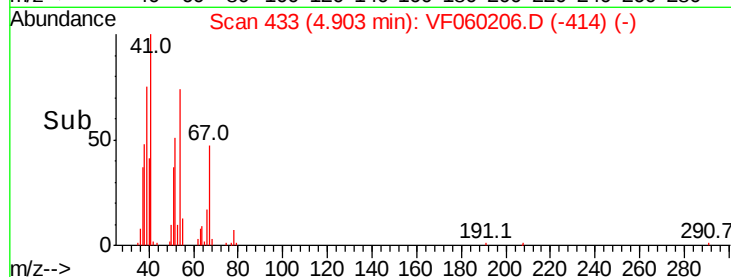
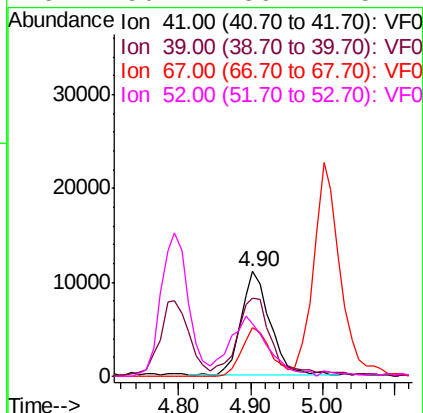
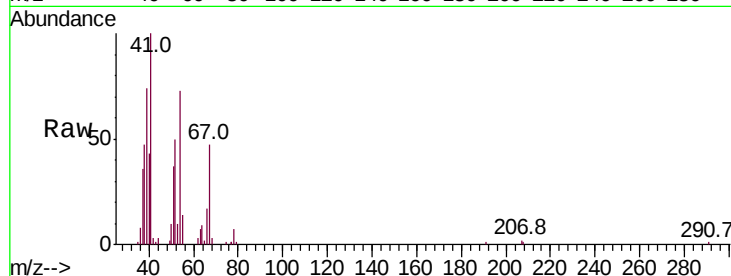




#41
Methacrylonitrile
Concen: 52.758 ug/l
RT: 4.90 min Scan# 433
Delta R.T. -0.02 min
Lab File: VF060206.D
Acq: 7 Sep 2018 11:26

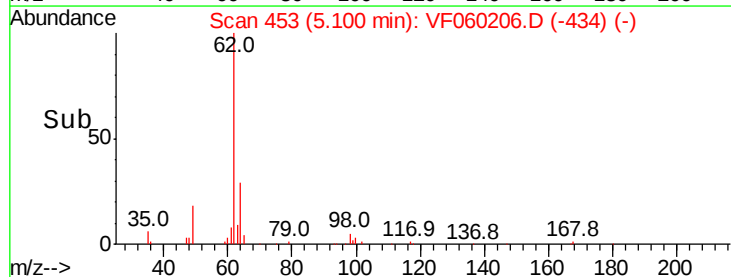
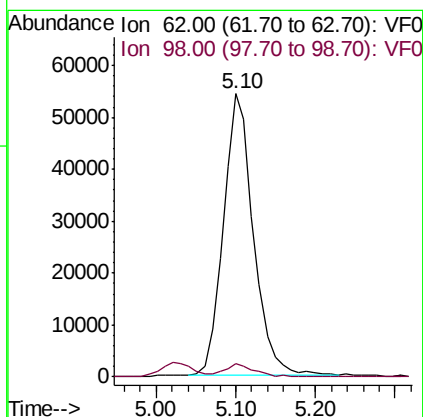
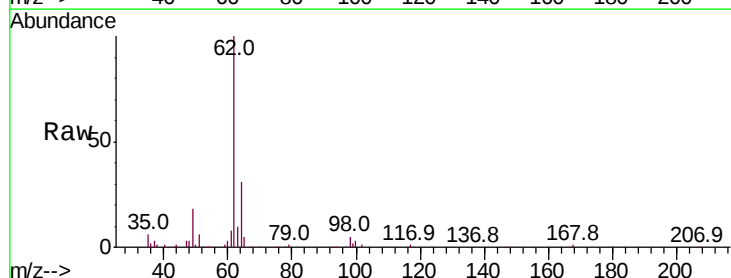
Instrument :
MSVOA_F
ClientSampleId :

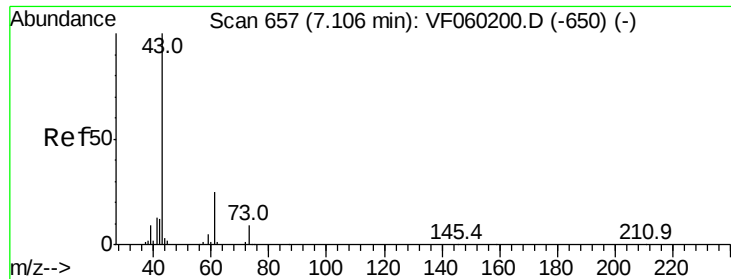
Tot Ion:	41	Resp:	31353
Ion	Ratio	Lower	Upper
41	100		
39	74.2	57.4	86.2
67	46.5	34.6	52.0
52	50.2	36.2	54.4



#42
1,2-Dichloroethane
Concen: 48.958 ug/l
RT: 5.10 min Scan# 453
Delta R.T. -0.02 min
Lab File: VF060206.D
Acq: 7 Sep 2018 11:26

Tgt Ion:	62	Resp:	144024
Ion	Ratio	Lower	Upper
62	100		
98	4.7	0.0	8.8



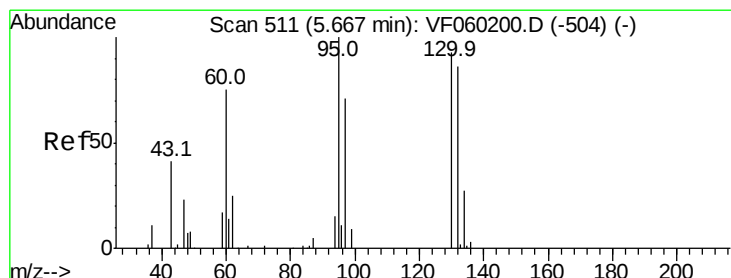
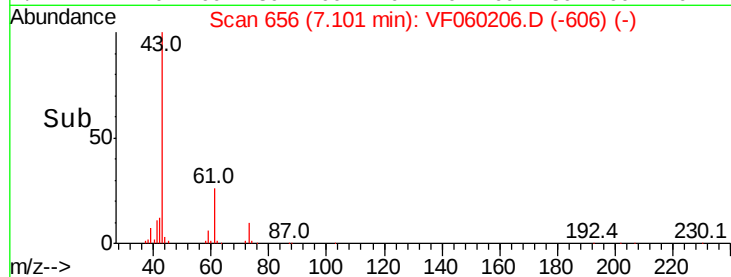
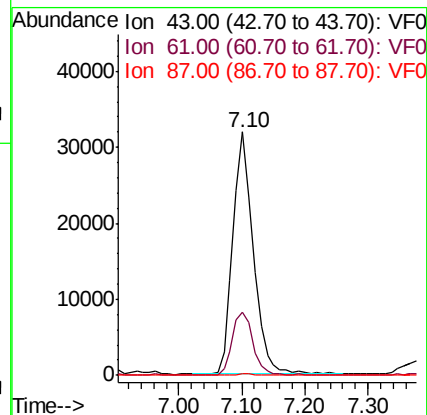
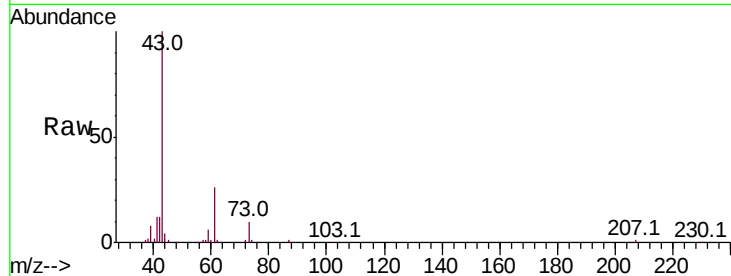


#43

Isopropyl Acetate
 Concen: 54.214 ug/l
 RT: 7.10 min Scan# 656
 Delta R.T. -0.01 min
 Lab File: VF060206.D
 Acq: 7 Sep 2018 11:26

Instrument :
 MSVOA_F
 ClientSampleId :

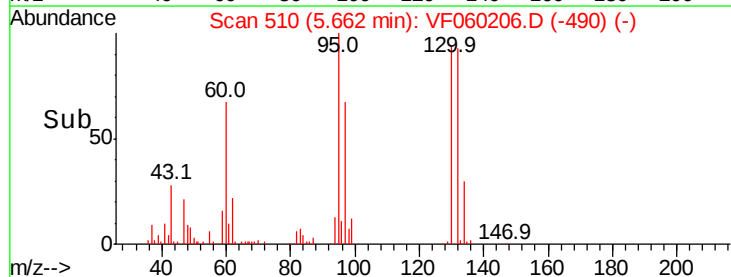
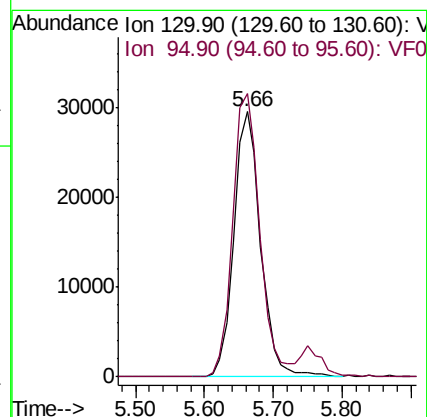
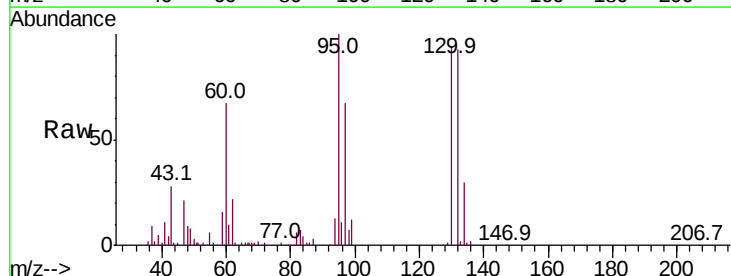
Tot Ion: 43 Resp: 72044
 Ion Ratio Lower Upper
 43 100
 61 25.8 19.9 29.9
 87 0.5 0.4 0.6

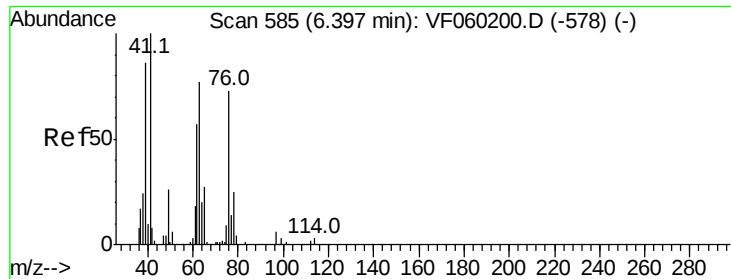


#44

Trichloroethene
 Concen: 48.111 ug/l
 RT: 5.66 min Scan# 510
 Delta R.T. -0.01 min
 Lab File: VF060206.D
 Acq: 7 Sep 2018 11:26

Tgt Ion:130 Resp: 79319
 Ion Ratio Lower Upper
 130 100
 95 106.8 0.0 215.4

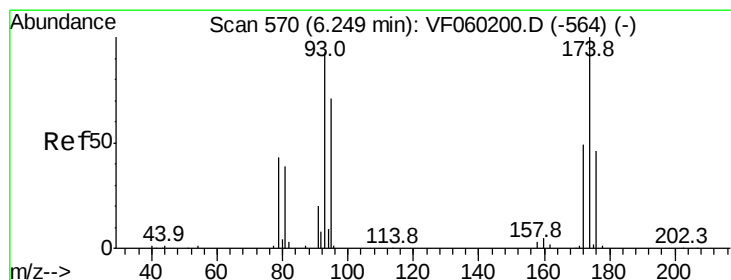
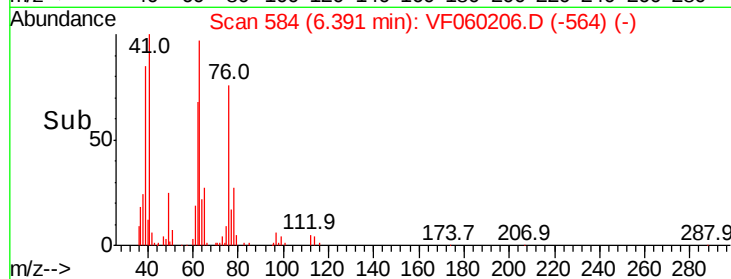
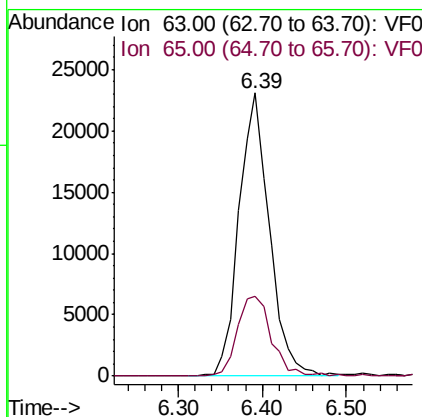
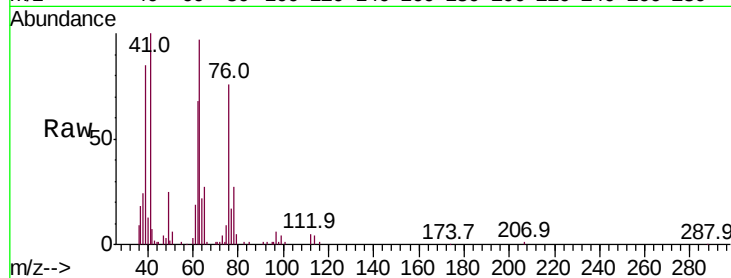




#45
 1,2-Dichloropropane
 Concen: 50.423 ug/l
 RT: 6.39 min Scan# 584
 Delta R.T. -0.01 min
 Lab File: VF060206.D
 Acq: 7 Sep 2018 11:26

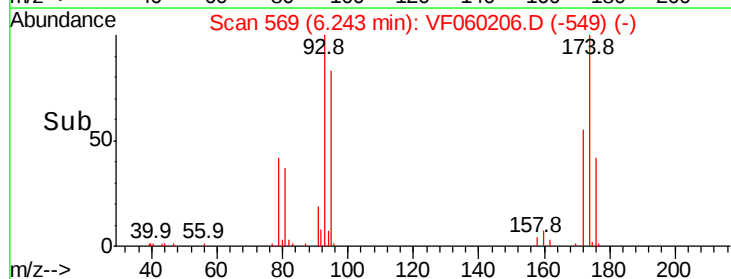
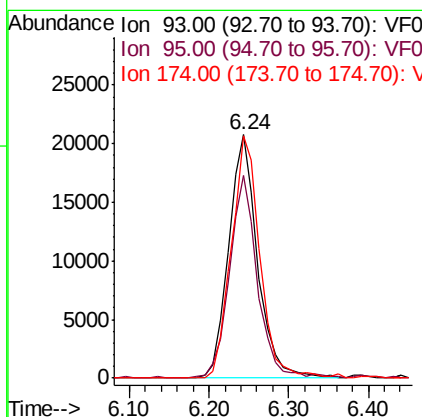
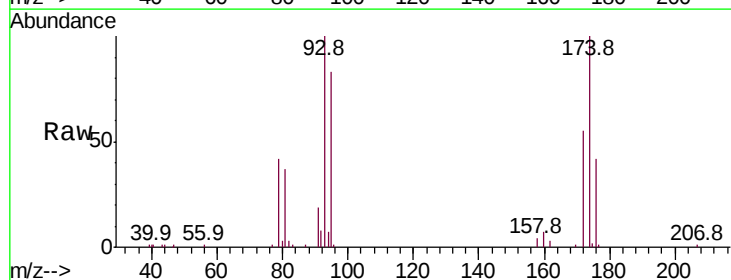
Instrument :
 MSVOA_F
 ClientSampleId :

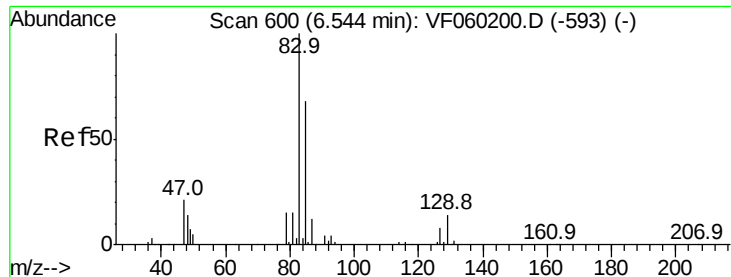
Tot Ion: 63 Resp: 58337
 Ion Ratio Lower Upper
 63 100
 65 28.0 27.9 41.9



#46
 Dibromomethane
 Concen: 51.498 ug/l
 RT: 6.24 min Scan# 569
 Delta R.T. -0.01 min
 Lab File: VF060206.D
 Acq: 7 Sep 2018 11:26

Tgt Ion: 93 Resp: 52461
 Ion Ratio Lower Upper
 93 100
 95 83.1 61.4 92.2
 174 101.8 85.9 128.9





#47

Bromodichloromethane

Concen: 48.130 ug/l

RT: 6.54 min Scan# 599

Delta R.T. -0.01 min

Lab File: VF060206.D

Acq: 7 Sep 2018 11:26

Instrument :
MSVOA_F
ClientSampleId :

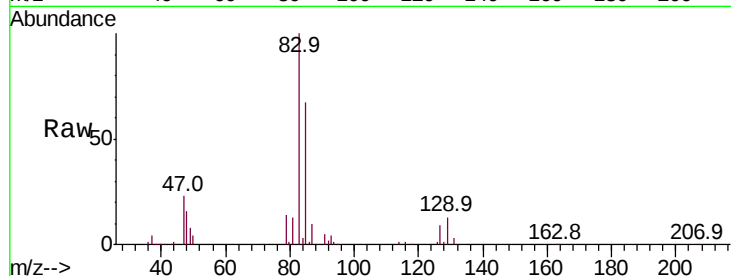
Tot Ion: 83 Resp: 133079

Ion Ratio Lower Upper

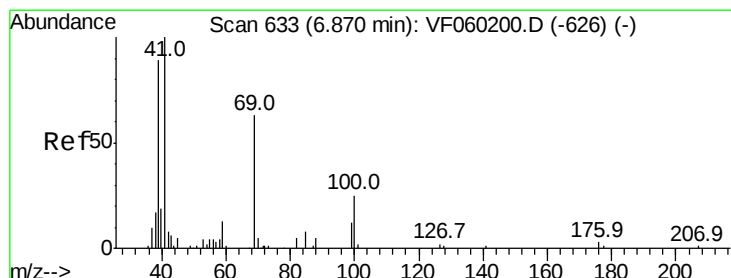
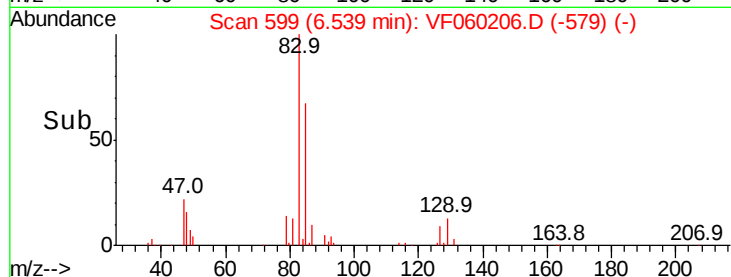
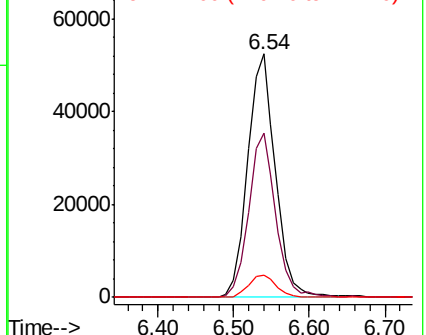
83 100

85 67.4 54.0 81.0

127 8.9 6.6 9.8



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0
Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 53.506 ug/l

RT: 6.86 min Scan# 632

Delta R.T. -0.01 min

Lab File: VF060206.D

Acq: 7 Sep 2018 11:26

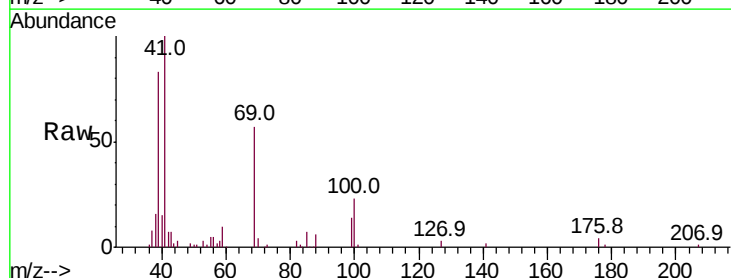
Tgt Ion: 41 Resp: 56482

Ion Ratio Lower Upper

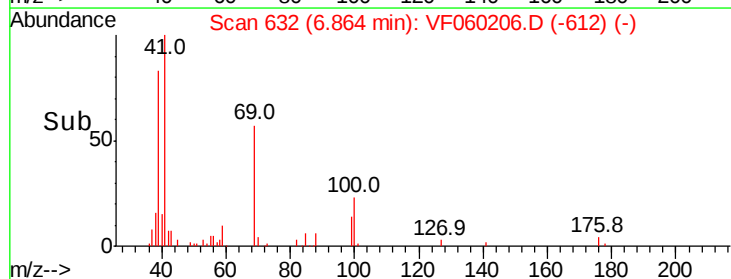
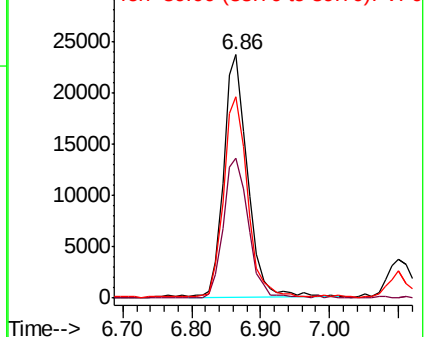
41 100

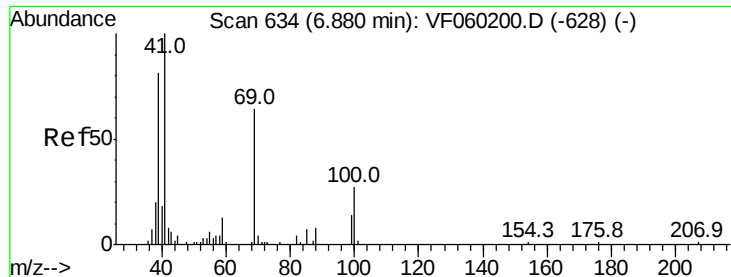
69 57.4 50.4 75.6

39 82.7 70.6 106.0



Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 518.985 ug/l

RT: 6.89 min Scan# 635

Delta R.T. 0.01 min

Lab File: VF060206.D

Acq: 7 Sep 2018 11:26

Instrument :
MSVOA_F
ClientSampled :

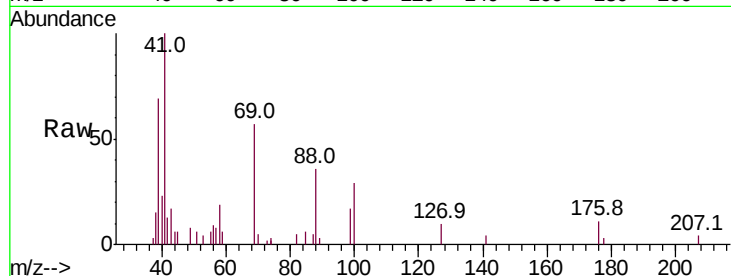
Tot Ion: 88 Resp: 8050

Ion Ratio Lower Upper

88 100

43 49.0 68.1 102.1#

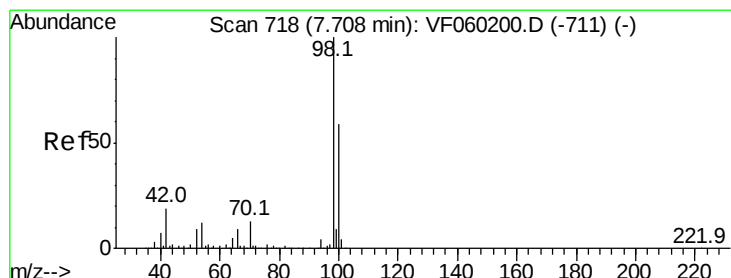
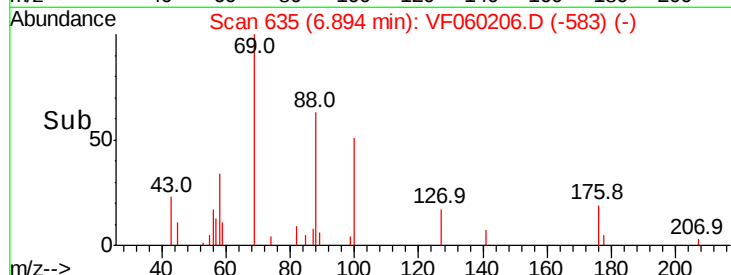
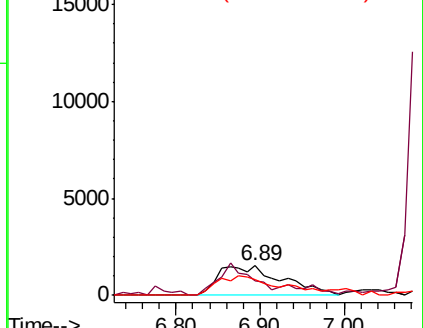
58 53.9 38.1 57.1



Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 54.224 ug/l

RT: 7.70 min Scan# 717

Delta R.T. -0.01 min

Lab File: VF060206.D

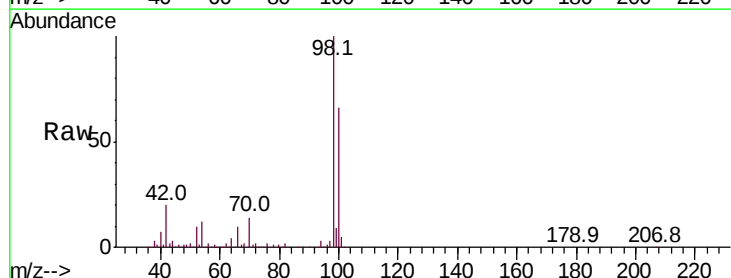
Acq: 7 Sep 2018 11:26

Tgt Ion: 98 Resp: 257328

Ion Ratio Lower Upper

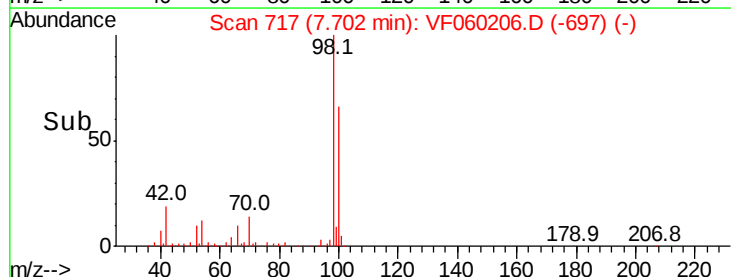
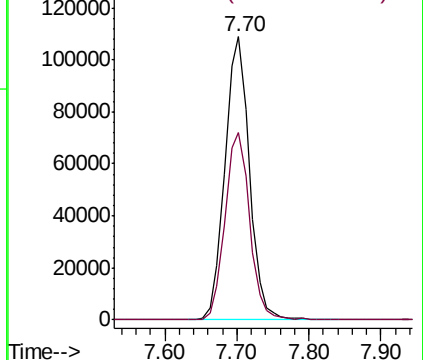
98 100

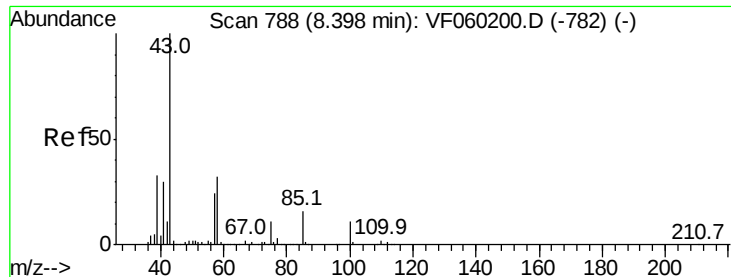
100 66.0 47.4 71.0



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 279.021 ug/l

RT: 8.39 min Scan# 787

Delta R.T. -0.01 min

Lab File: VF060206.D

Acq: 7 Sep 2018 11:26

Instrument :

MSVOA_F

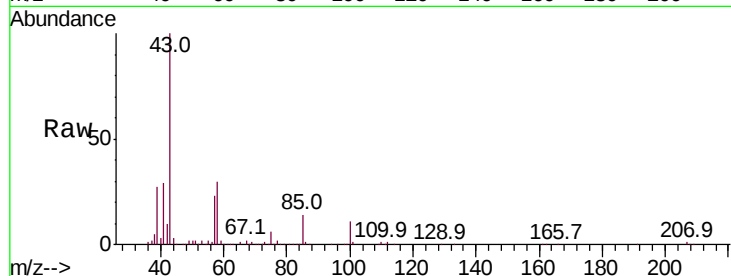
ClientSampleId :

Tot Ion: 43 Resp: 329436

Ion Ratio Lower Upper

43 100

58 30.5 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.39

150000

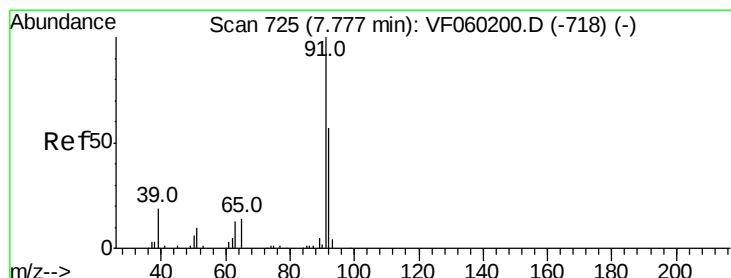
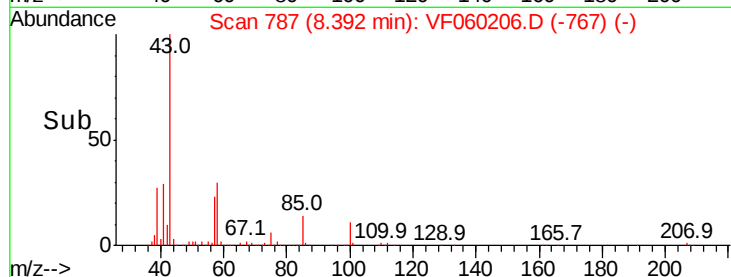
100000

50000

0

8.30 8.40 8.50 8.60

Time-->



#52

Toluene

Concen: 47.308 ug/l

RT: 7.77 min Scan# 724

Delta R.T. -0.01 min

Lab File: VF060206.D

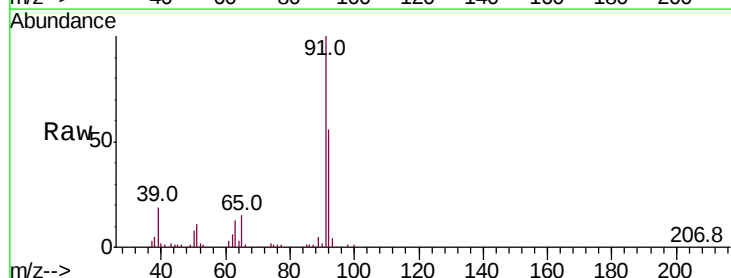
Acq: 7 Sep 2018 11:26

Tgt Ion: 92 Resp: 149133

Ion Ratio Lower Upper

92 100

91 177.4 140.0 210.0



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.77

120000

100000

80000

60000

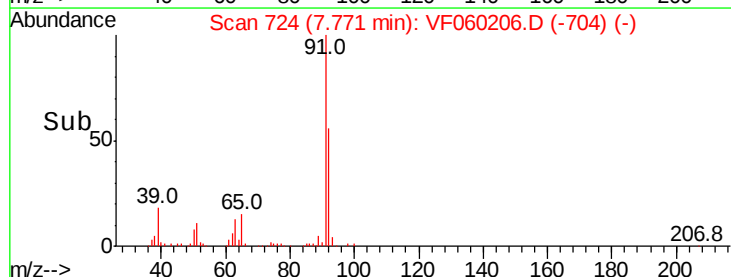
40000

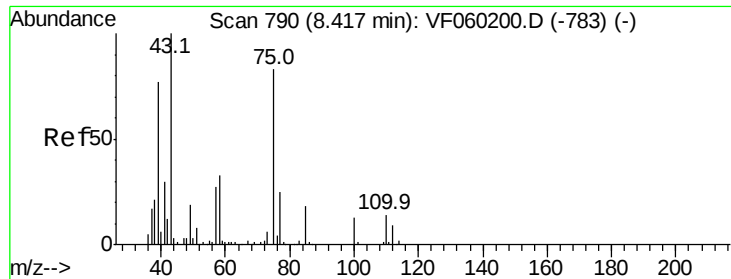
20000

0

7.60 7.70 7.80 7.90

Time-->





#53

t-1,3-Dichloropropene

Concen: 52.647 ug/l

RT: 8.42 min Scan# 790

Delta R.T. 0.00 min

Lab File: VF060206.D

Acq: 7 Sep 2018 11:26

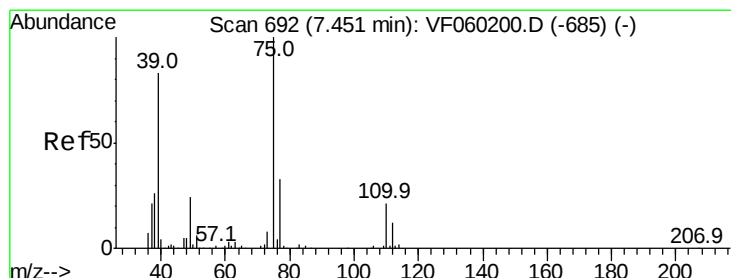
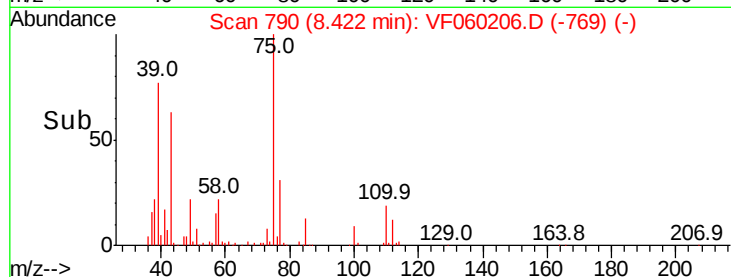
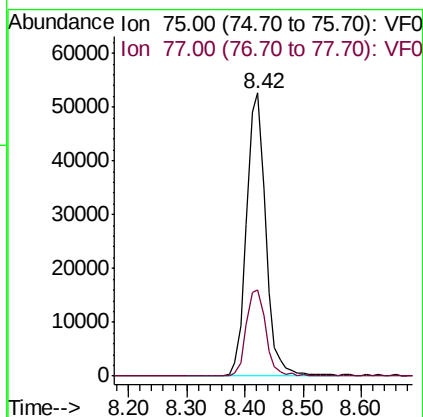
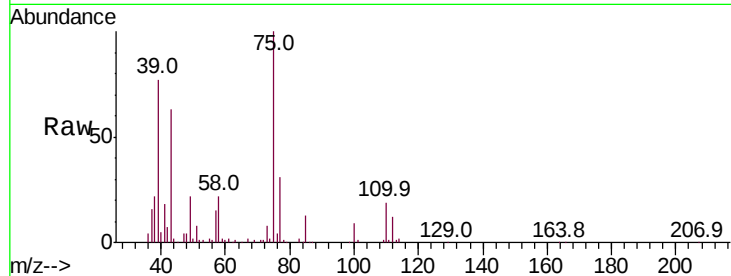
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 75 Resp: 122318

Ion Ratio Lower Upper

75 100

77 30.6 24.3 36.5



#54

cis-1,3-Dichloropropene

Concen: 51.532 ug/l

RT: 7.45 min Scan# 691

Delta R.T. -0.01 min

Lab File: VF060206.D

Acq: 7 Sep 2018 11:26

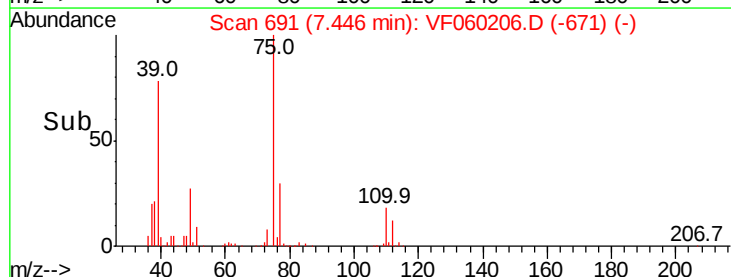
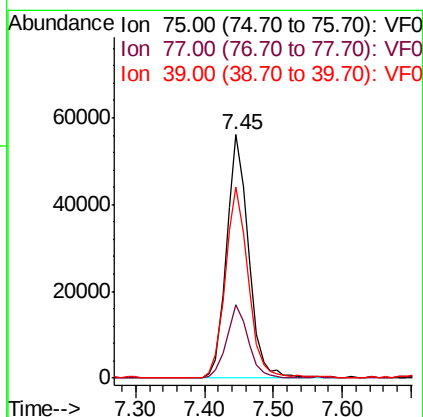
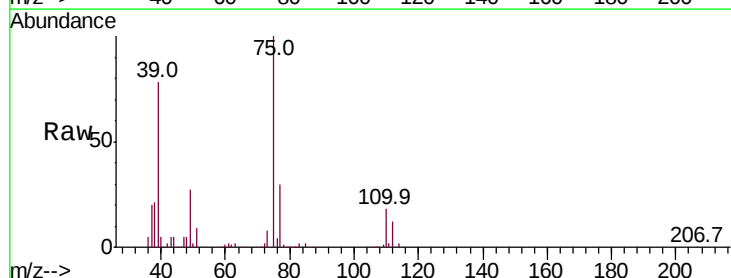
Tgt Ion: 75 Resp: 124288

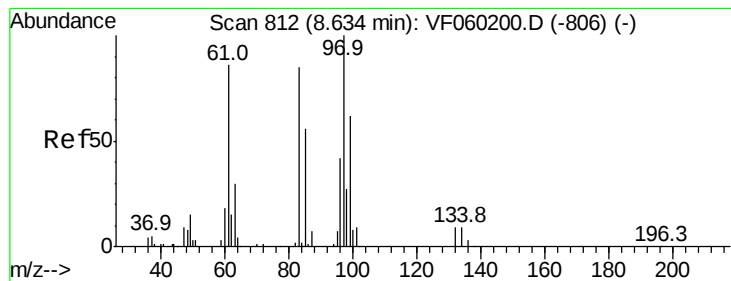
Ion Ratio Lower Upper

75 100

77 30.2 26.6 39.8

39 78.3 66.6 100.0





#55

1,1,2-Trichloroethane

Concen: 52.238 ug/l

RT: 8.63 min Scan# 811

Delta R.T. -0.01 min

Lab File: VF060206.D

Acq: 7 Sep 2018 11:26

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion: 97 Resp: 60568

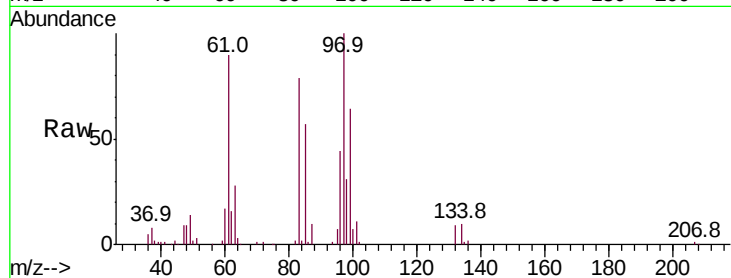
Ion Ratio Lower Upper

97 100

83 78.8 68.1 102.1

85 56.7 44.6 66.8

99 63.8 49.8 74.8

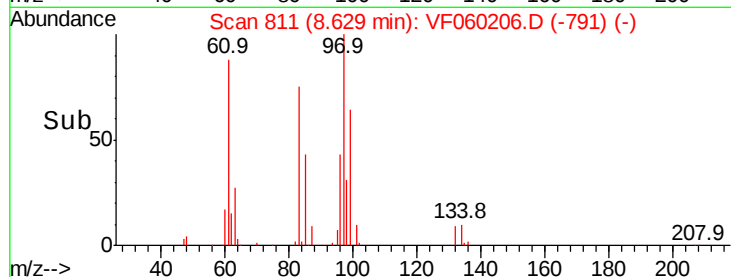
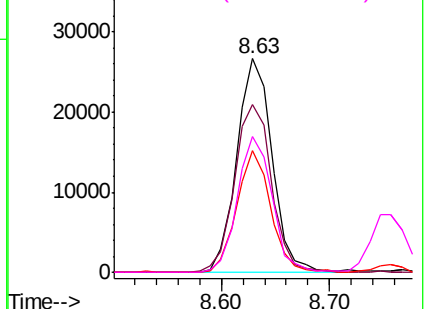


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 56.648 ug/l

RT: 8.75 min Scan# 823

Delta R.T. -0.01 min

Lab File: VF060206.D

Acq: 7 Sep 2018 11:26

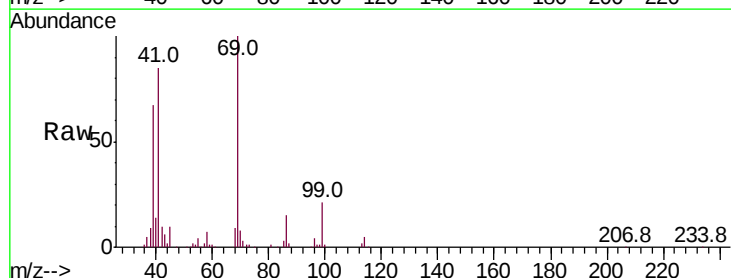
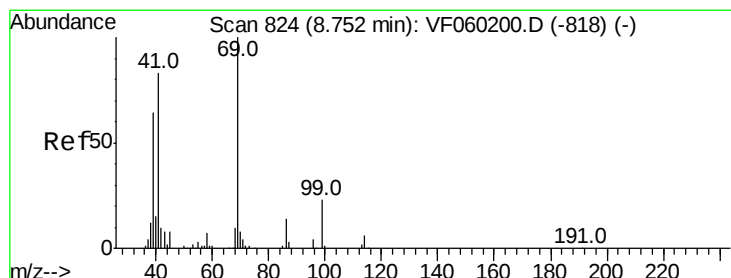
Tgt Ion: 69 Resp: 75085

Ion Ratio Lower Upper

69 100

41 85.4 66.6 100.0

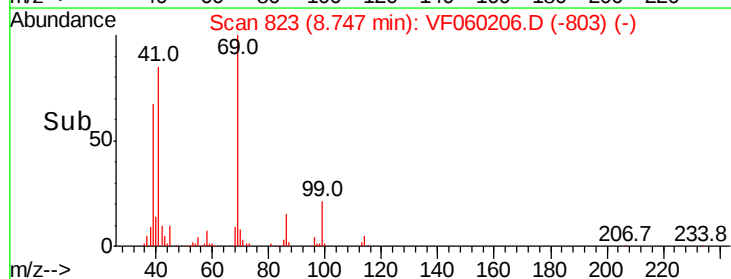
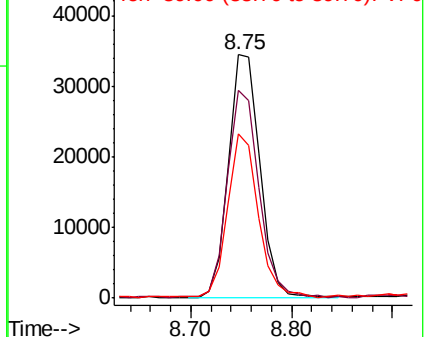
39 67.4 51.5 77.3

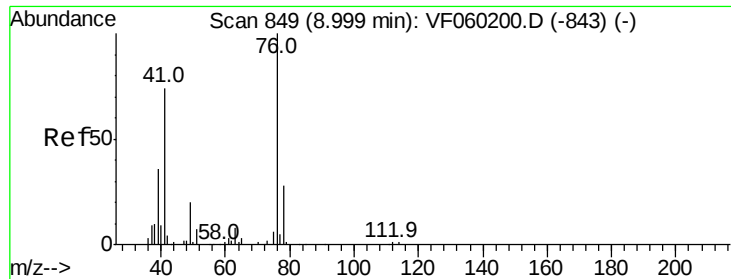


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 52.302 ug/l

RT: 8.99 min Scan# 848

Delta R.T. -0.01 min

Lab File: VF060206.D

Acq: 7 Sep 2018 11:26

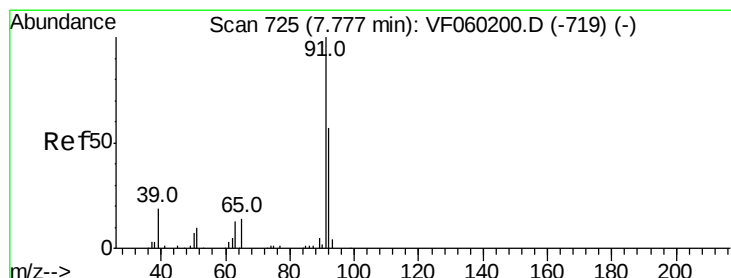
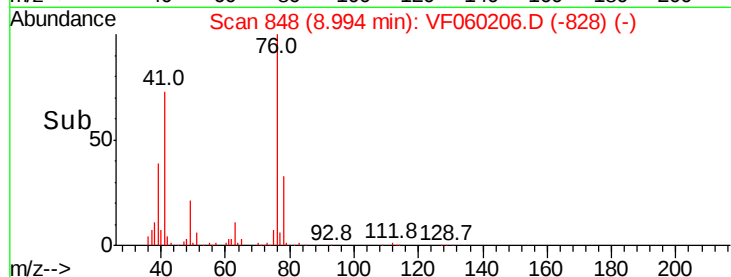
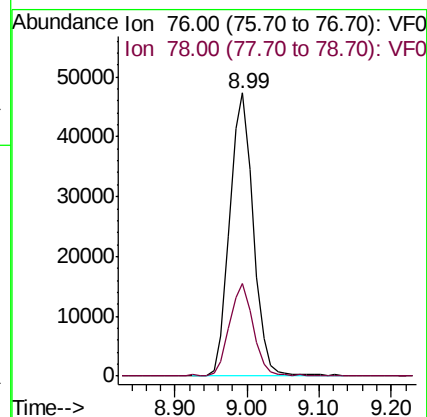
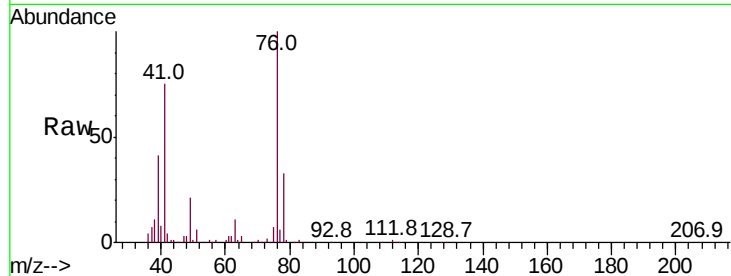
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 76 Resp: 107819

Ion Ratio Lower Upper

76 100

78 32.8 22.8 34.2



#58

2-Chloroethyl Vinyl ether

Concen: 244.790 ug/l

RT: 7.77 min Scan# 724

Delta R.T. -0.01 min

Lab File: VF060206.D

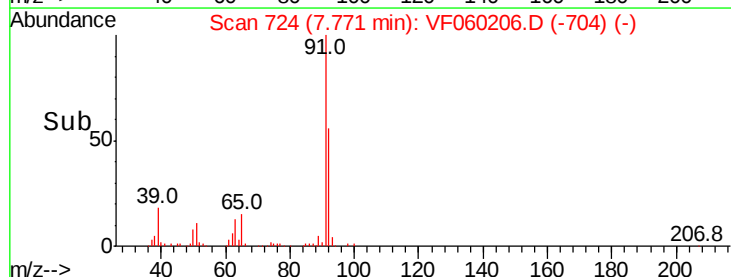
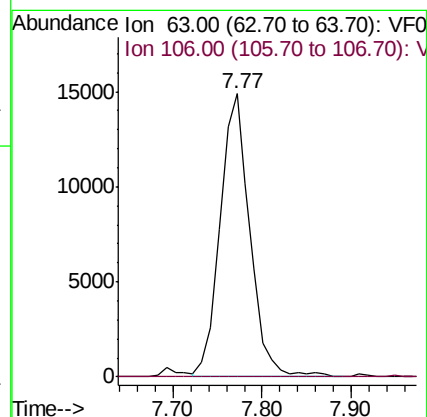
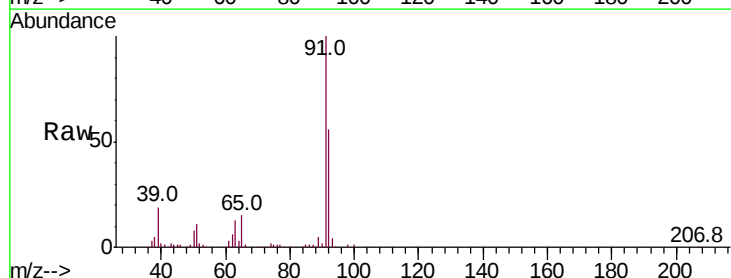
Acq: 7 Sep 2018 11:26

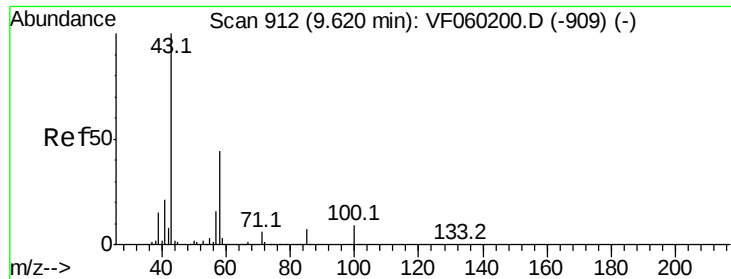
Tgt Ion: 63 Resp: 34893

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

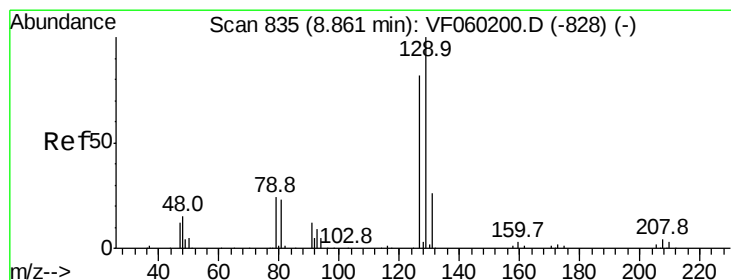
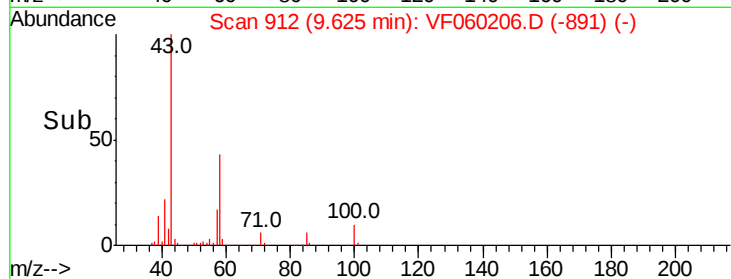
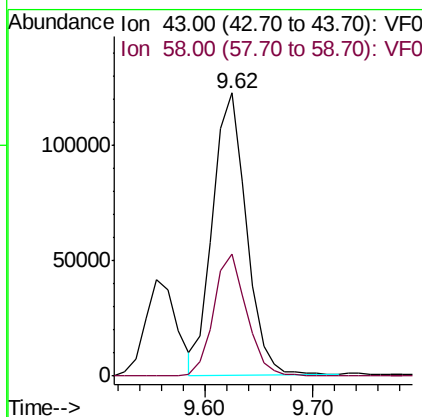
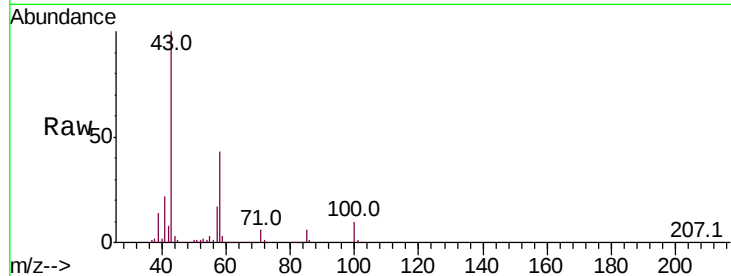




#59
2-Hexanone
Concen: 299.321 ug/l
RT: 9.62 min Scan# 912
Delta R.T. 0.01 min
Lab File: VF060206.D
Acq: 7 Sep 2018 11:26

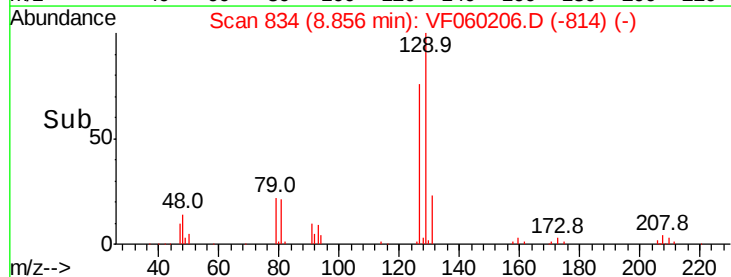
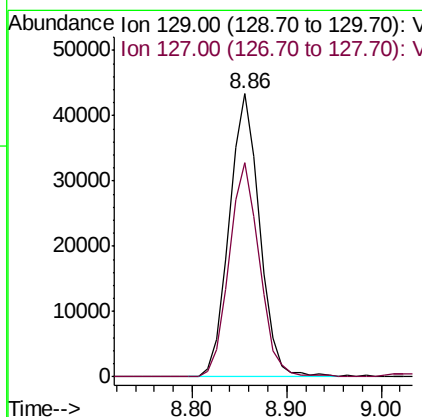
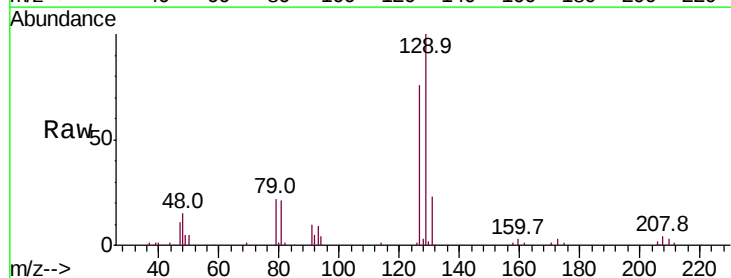
Instrument :
MSVOA_F
ClientSampleId :

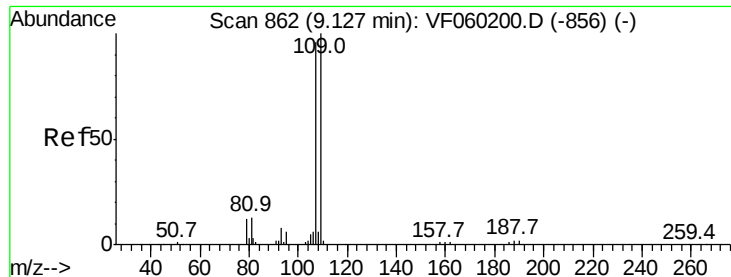
Tot Ion: 43 Resp: 264113
Ion Ratio Lower Upper
43 100
58 43.1 20.8 62.5



#60
Dibromochloromethane
Concen: 50.387 ug/l
RT: 8.86 min Scan# 834
Delta R.T. -0.01 min
Lab File: VF060206.D
Acq: 7 Sep 2018 11:26

Tgt Ion: 129 Resp: 96762
Ion Ratio Lower Upper
129 100
127 75.6 40.9 122.8





#61

1,2-Dibromoethane

Concen: 51.587 ug/l

RT: 9.13 min Scan# 862

Delta R.T. 0.00 min

Lab File: VF060206.D

Acq: 7 Sep 2018 11:26

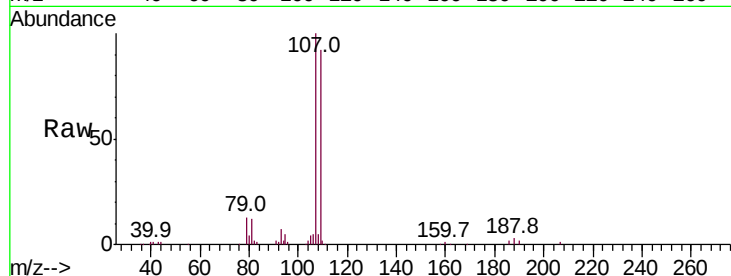
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:107 Resp: 71740

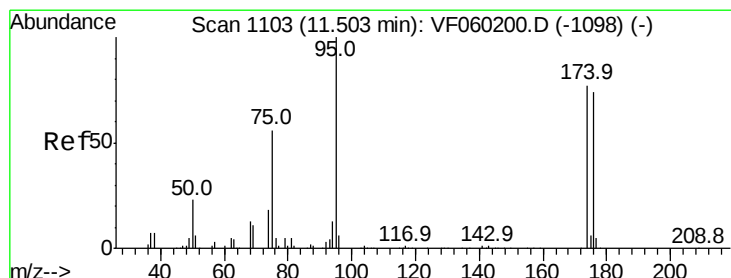
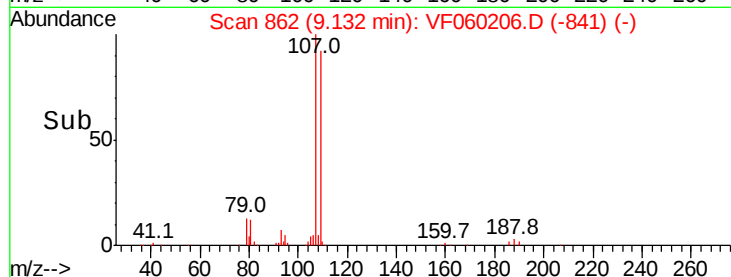
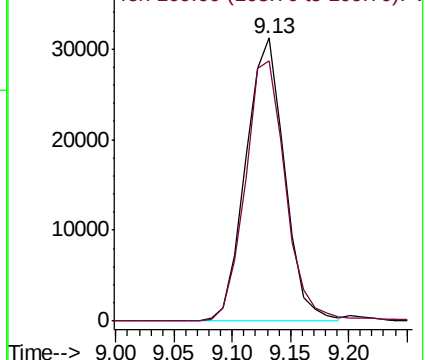
Ion Ratio Lower Upper

107 100

109 92.1 83.0 124.4



Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 53.538 ug/l

RT: 11.51 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VF060206.D

Acq: 7 Sep 2018 11:26

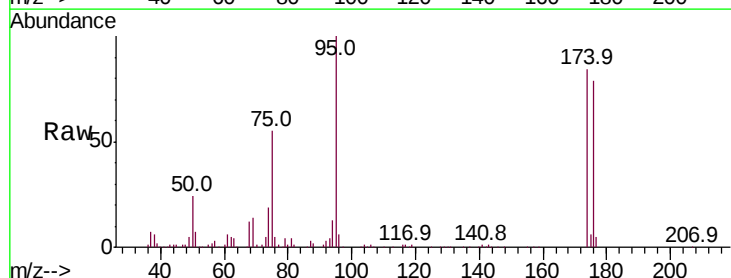
Tgt Ion: 95 Resp: 143353

Ion Ratio Lower Upper

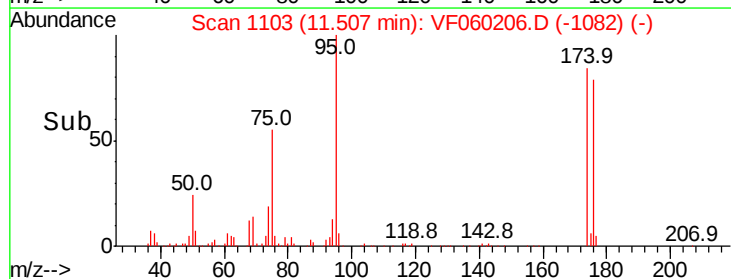
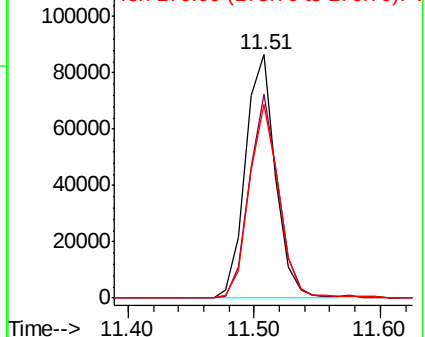
95 100

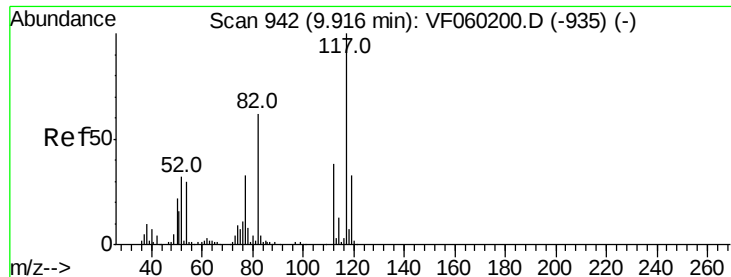
174 84.0 0.0 153.2

176 79.3 0.0 147.2



Abundance Ion 95.00 (94.70 to 95.70): VF0
Ion 174.00 (173.70 to 174.70): V
Ion 176.00 (175.70 to 176.70): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.91 min Scan# 941

Delta R.T. -0.01 min

Lab File: VF060206.D

Acq: 7 Sep 2018 11:26

Instrument :
MSVOA_F
ClientSampleId :

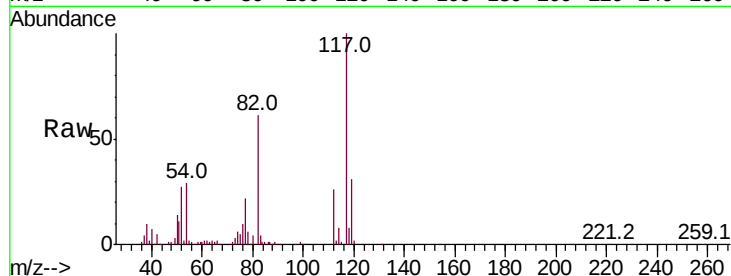
Tot Ion:117 Resp: 199007

Ion Ratio Lower Upper

117 100

82 61.3 49.3 73.9

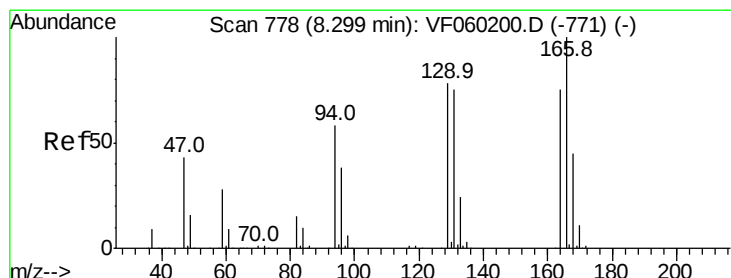
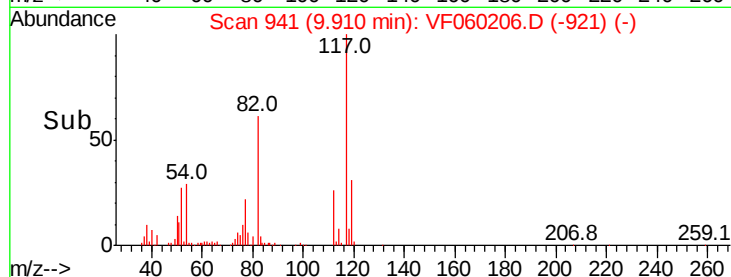
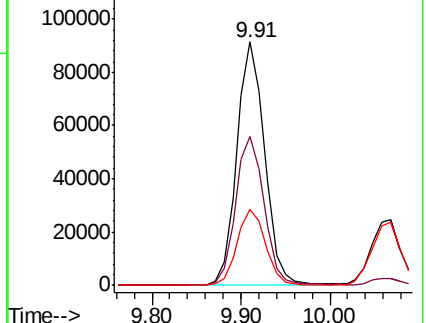
119 31.1 26.5 39.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



#64

Tetrachloroethene

Concen: 51.587 ug/l

RT: 8.29 min Scan# 777

Delta R.T. -0.00 min

Lab File: VF060206.D

Acq: 7 Sep 2018 11:26

Tgt Ion:164 Resp: 104902

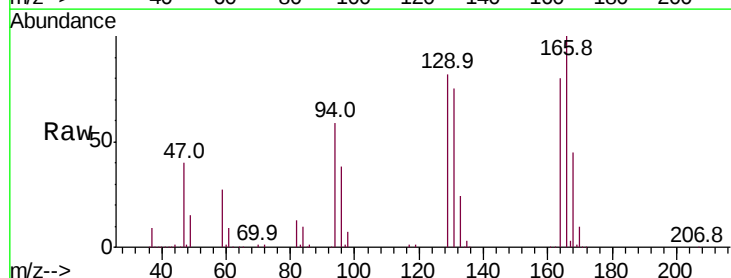
Ion Ratio Lower Upper

164 100

166 125.1 107.0 160.4

129 102.3 83.0 124.6

131 94.0 79.8 119.8

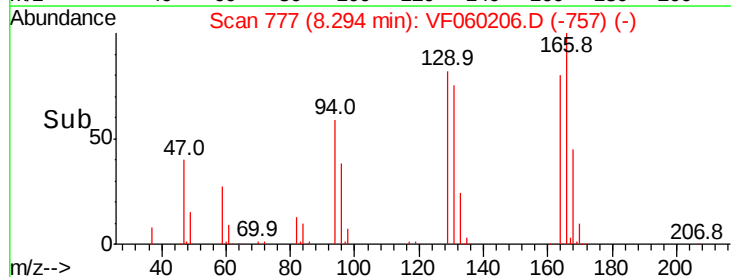
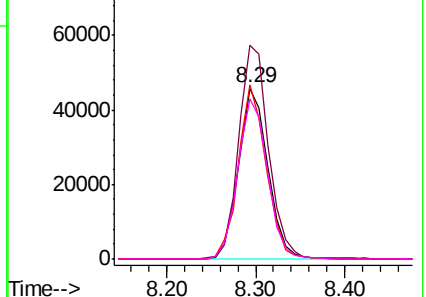


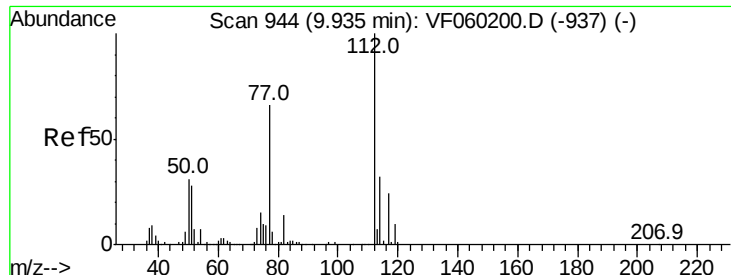
Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V

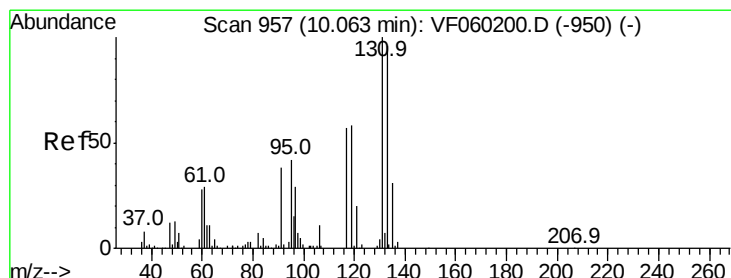
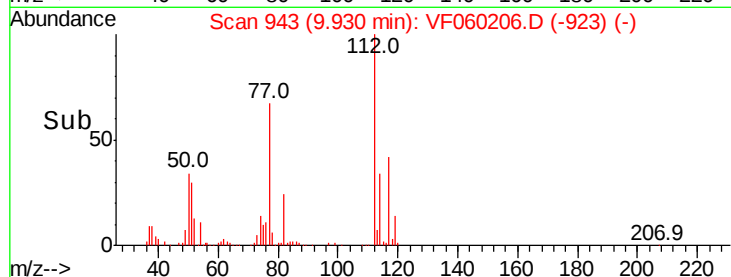
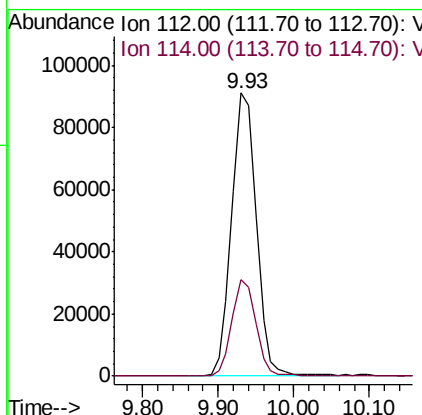
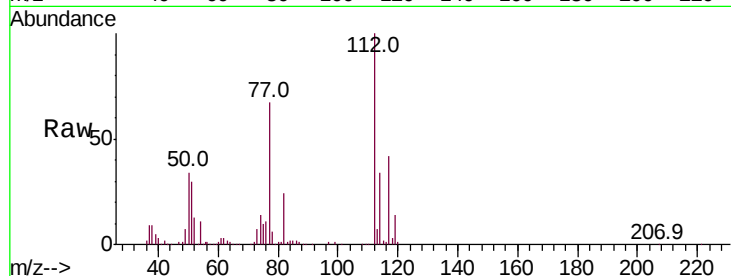




#65
Chlorobenzene
Concen: 50.043 ug/l
RT: 9.93 min Scan# 943
Delta R.T. -0.01 min
Lab File: VF060206.D
Acq: 7 Sep 2018 11:26

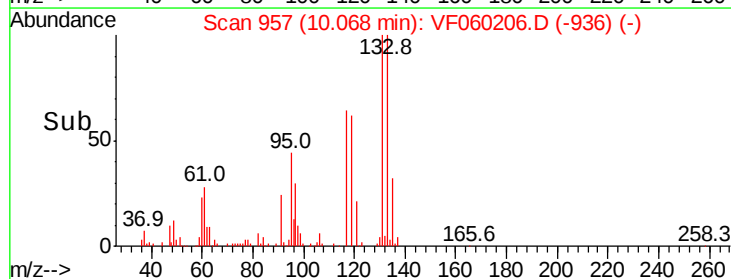
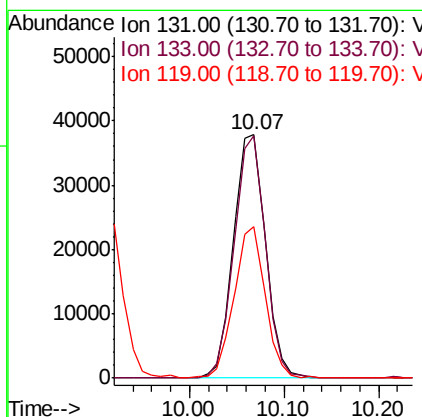
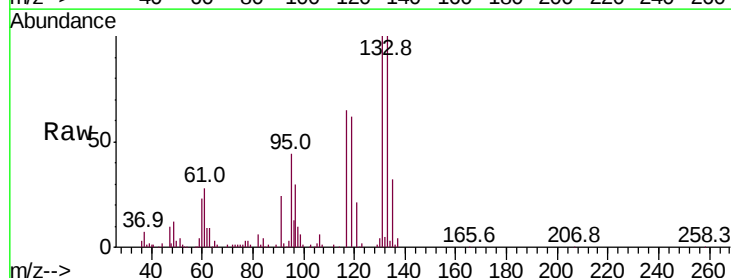
Instrument :
MSVOA_F
ClientSampled :

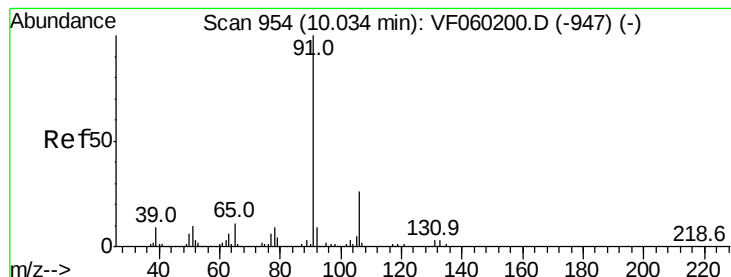
Tot Ion:112 Resp: 206131
Ion Ratio Lower Upper
112 100
114 34.1 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 48.773 ug/l
RT: 10.07 min Scan# 957
Delta R.T. 0.00 min
Lab File: VF060206.D
Acq: 7 Sep 2018 11:26

Tgt Ion:131 Resp: 89042
Ion Ratio Lower Upper
131 100
133 99.7 47.9 143.8
119 62.4 29.0 87.0





#67

Ethyl Benzene

Concen: 49.848 ug/l

RT: 10.03 min Scan# 953

Delta R.T. -0.01 min

Lab File: VF060206.D

Acq: 7 Sep 2018 11:26

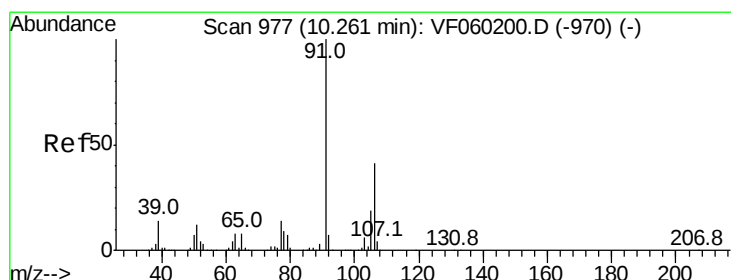
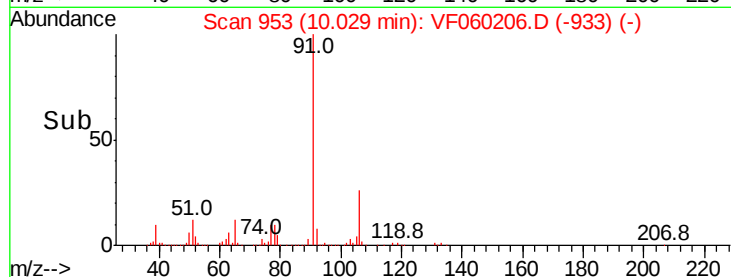
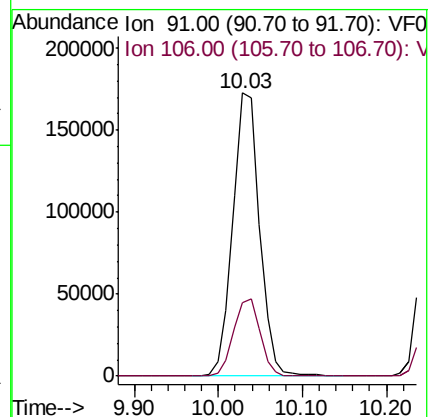
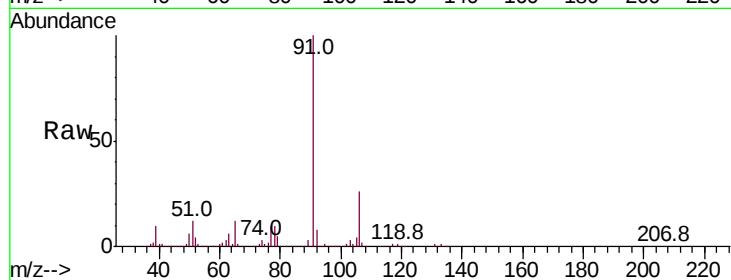
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 91 Resp: 383070

Ion Ratio Lower Upper

91 100

106 25.9 21.1 31.7



#68

m/p-Xylenes

Concen: 100.679 ug/l

RT: 10.27 min Scan# 977

Delta R.T. 0.00 min

Lab File: VF060206.D

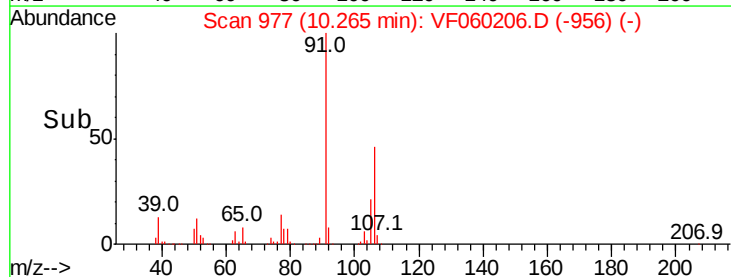
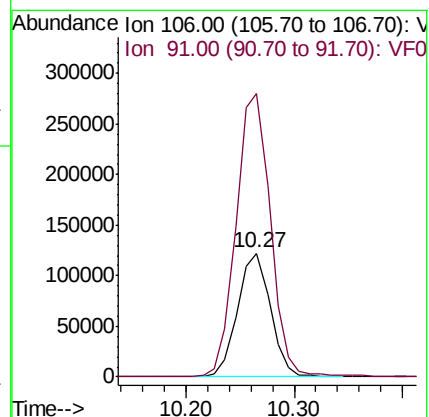
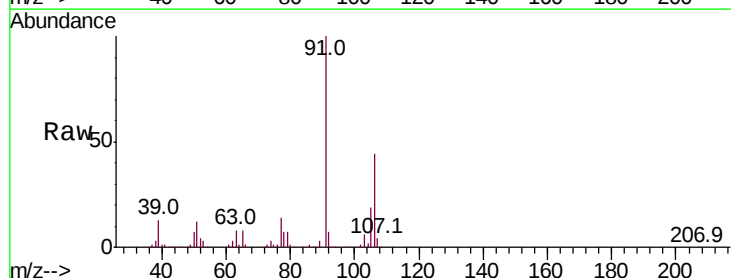
Acq: 7 Sep 2018 11:26

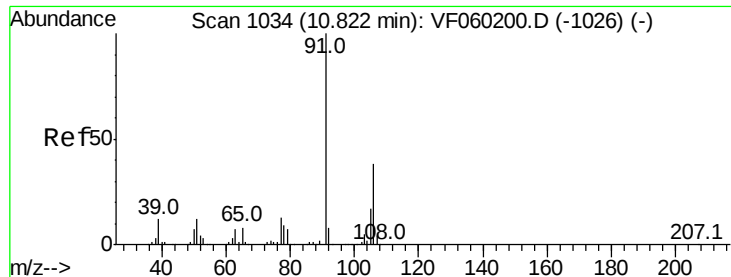
Tgt Ion:106 Resp: 259592

Ion Ratio Lower Upper

106 100

91 229.3 194.6 291.8

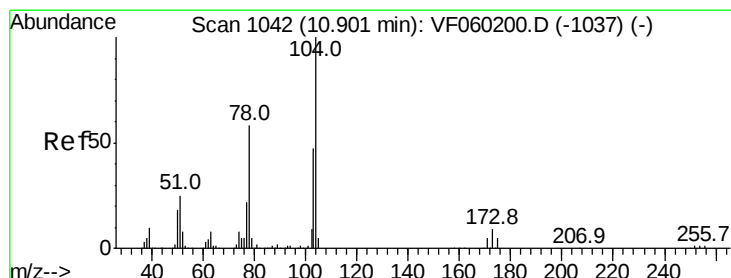
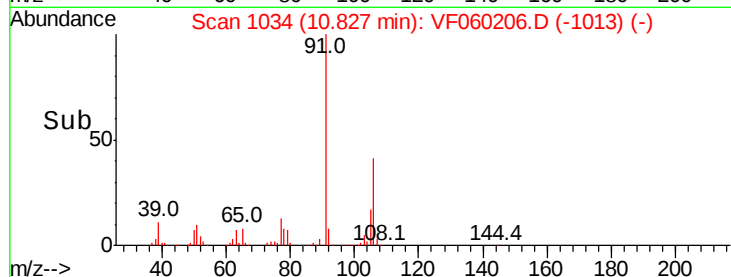
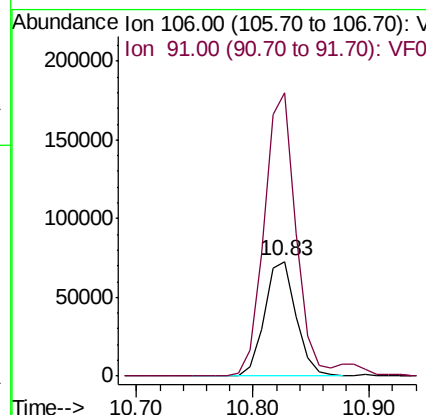
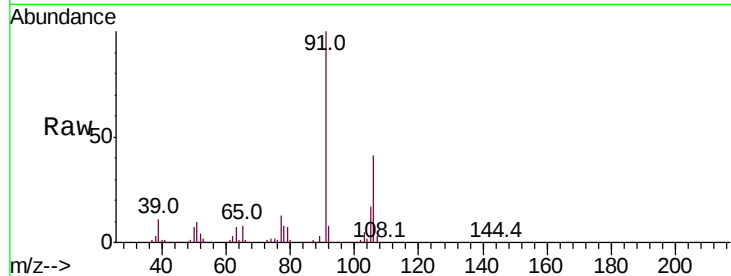




#69
o-Xylene
Concen: 49.615 ug/l
RT: 10.83 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VF060206.D
Acq: 7 Sep 2018 11:26

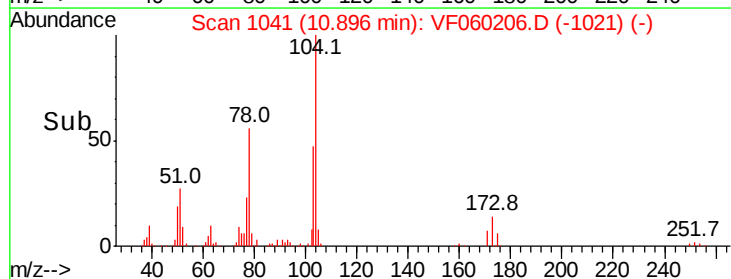
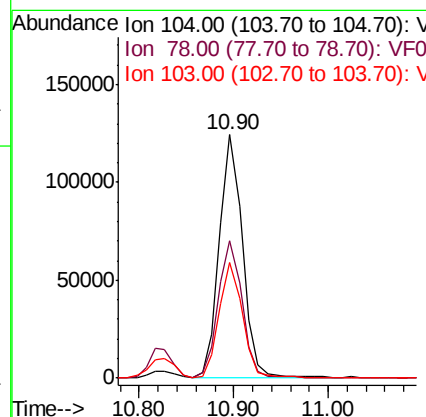
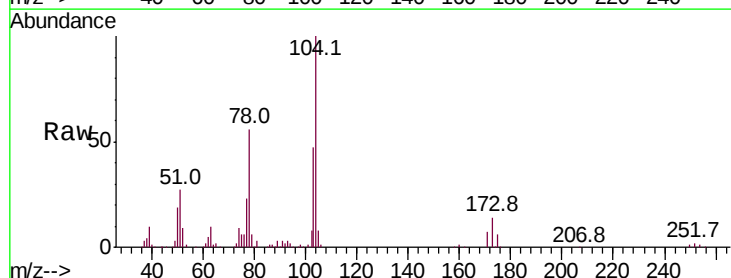
Instrument :
MSVOA_F
ClientSampled :

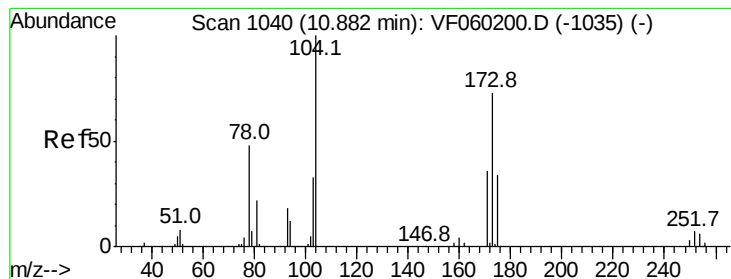
Tot Ion:106 Resp: 136459
Ion Ratio Lower Upper
106 100
91 246.1 130.5 391.5



#70
Styrene
Concen: 50.869 ug/l
RT: 10.90 min Scan# 1041
Delta R.T. -0.01 min
Lab File: VF060206.D
Acq: 7 Sep 2018 11:26

Tgt Ion:104 Resp: 212069
Ion Ratio Lower Upper
104 100
78 56.5 47.1 70.7
103 47.4 38.6 57.8





#71

Bromoform

Concen: 52.424 ug/l

RT: 10.89 min Scan# 1040

Delta R.T. 0.00 min

Lab File: VF060206.D

Acq: 7 Sep 2018 11:26

Instrument :

MSVOA_F

ClientSampleId :

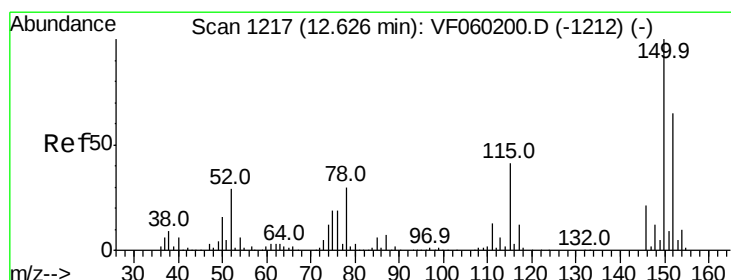
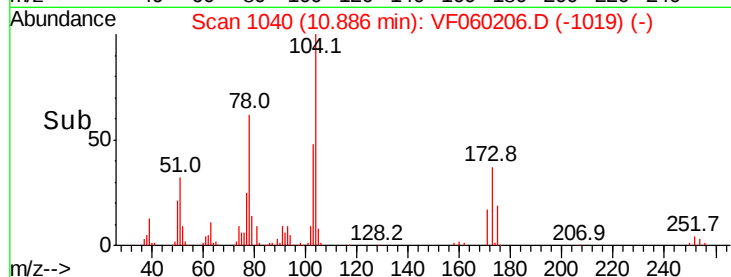
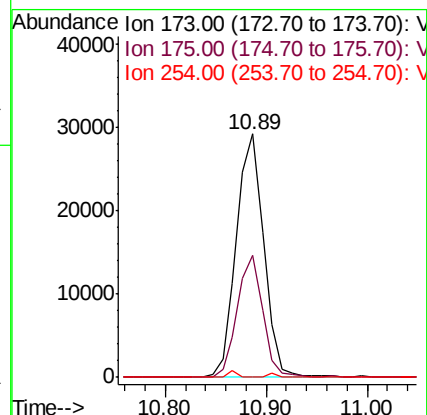
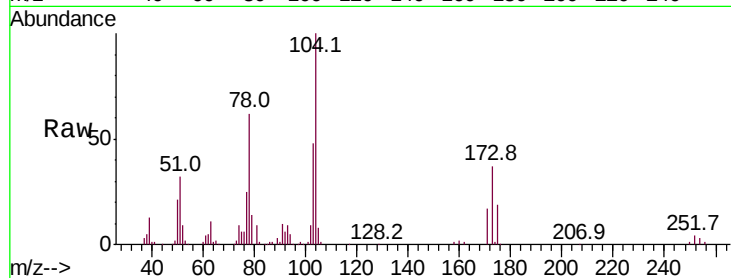
Tot Ion:173 Resp: 55254

Ion Ratio Lower Upper

173 100

175 50.3 23.1 69.3

254 0.0 0.2 0.4#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.63 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VF060206.D

Acq: 7 Sep 2018 11:26

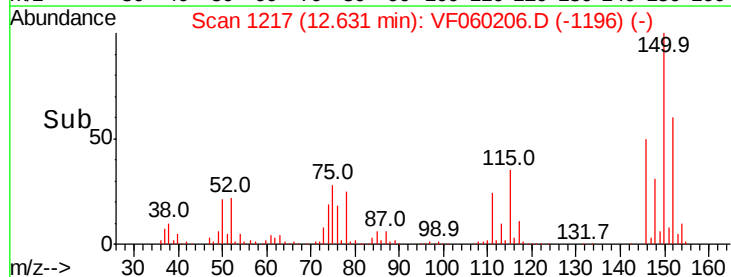
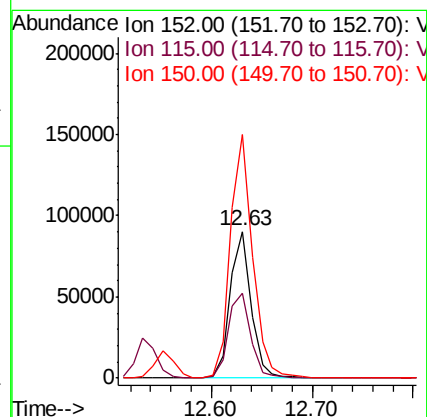
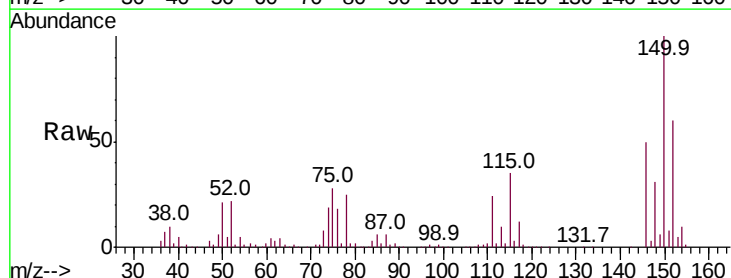
Tgt Ion:152 Resp: 131338

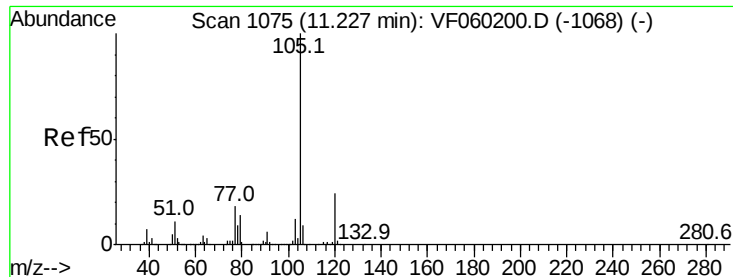
Ion Ratio Lower Upper

152 100

115 57.7 31.5 94.5

150 166.1 0.0 310.4





#73

Isopropylbenzene

Concen: 49.452 ug/l

RT: 11.22 min Scan# 1074

Delta R.T. -0.01 min

Lab File: VF060206.D

Acq: 7 Sep 2018 11:26

Instrument :

MSVOA_F

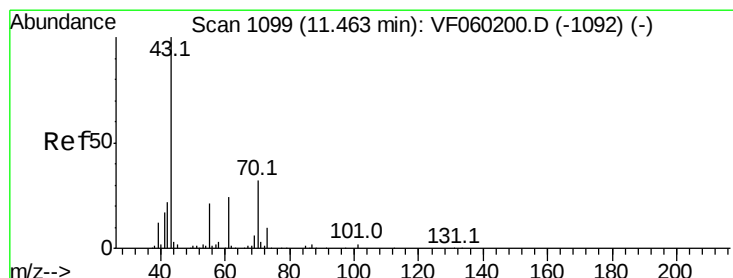
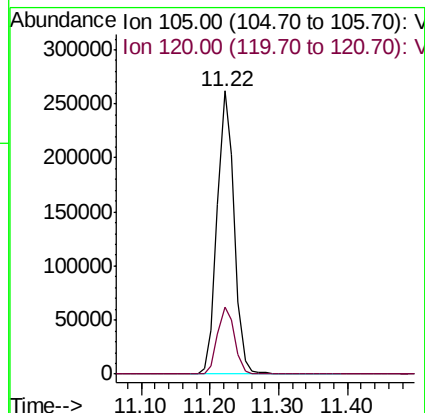
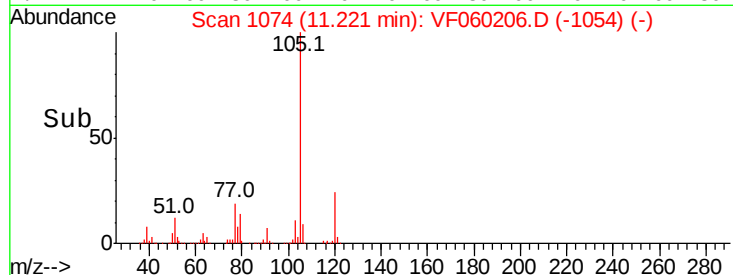
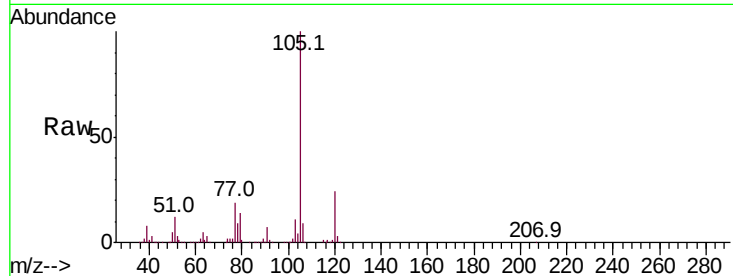
ClientSampleId :

Tot Ion:105 Resp: 448010

Ion Ratio Lower Upper

105 100

120 23.8 11.8 35.3



#74

N-ethyl acetate

Concen: 56.300 ug/l

RT: 11.46 min Scan# 1098

Delta R.T. -0.01 min

Lab File: VF060206.D

Acq: 7 Sep 2018 11:26

Tgt Ion: 43 Resp: 102759

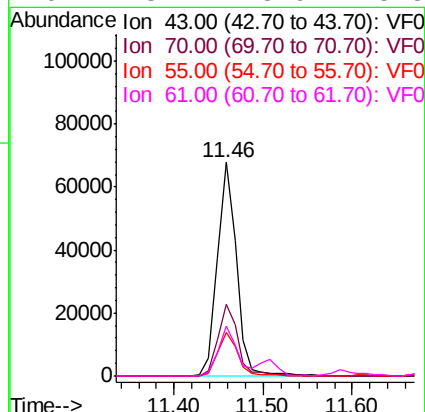
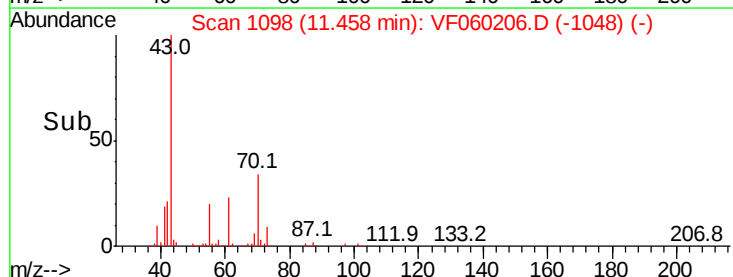
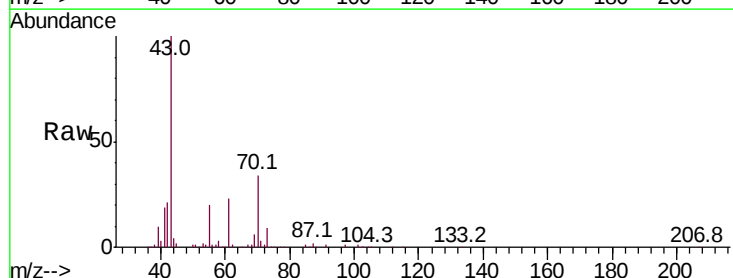
Ion Ratio Lower Upper

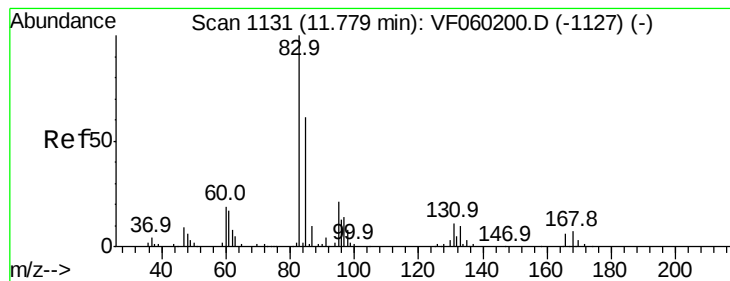
43 100

70 33.6 25.8 38.6

55 20.3 16.8 25.2

61 23.4 18.9 28.3





#75

1,1,2,2-Tetrachloroethane

Concen: 56.012 ug/l

RT: 11.78 min Scan# 1131

Delta R.T. 0.00 min

Lab File: VF060206.D

Acq: 7 Sep 2018 11:26

Instrument :

MSVOA_F

ClientSampleId :

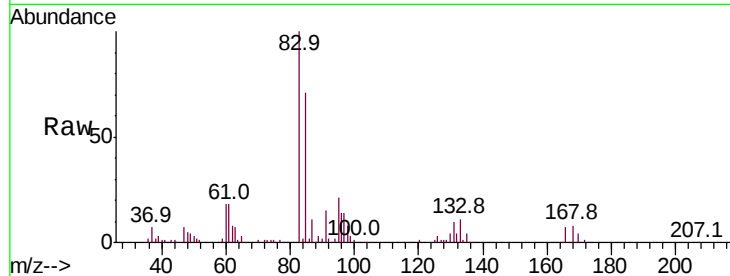
Tot Ion: 83 Resp: 76308

Ion Ratio Lower Upper

83 100

131 10.5 5.5 16.4

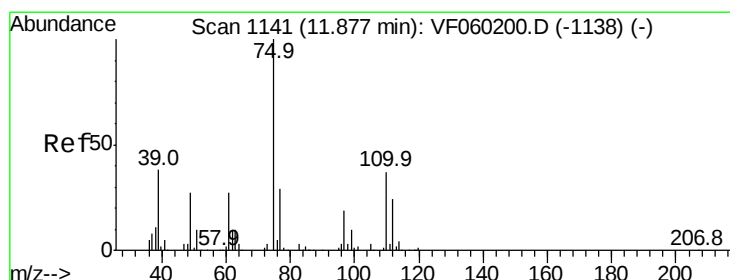
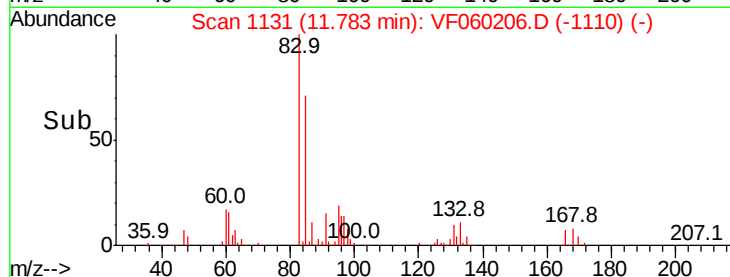
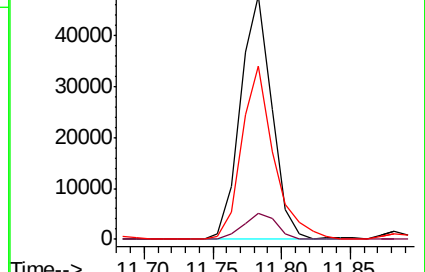
85 71.0 31.1 93.5



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): VF0

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 50.913 ug/l

RT: 11.88 min Scan# 1141

Delta R.T. 0.00 min

Lab File: VF060206.D

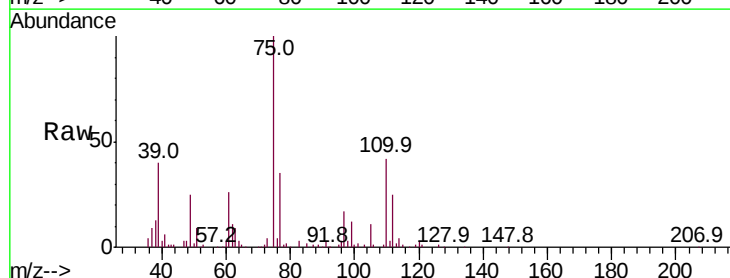
Acq: 7 Sep 2018 11:26

Tgt Ion: 75 Resp: 73501

Ion Ratio Lower Upper

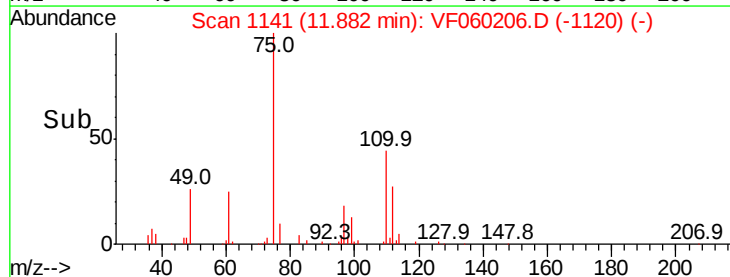
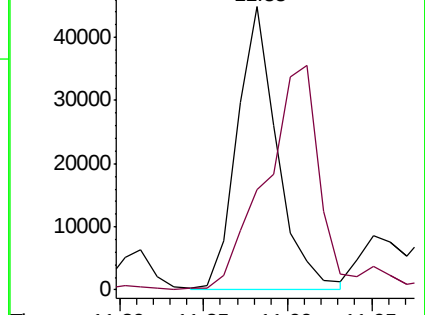
75 100

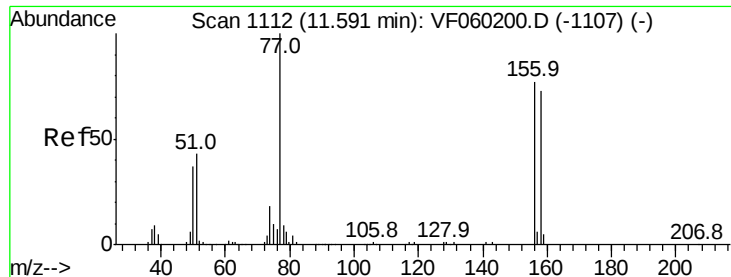
77 35.2 14.6 43.8



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

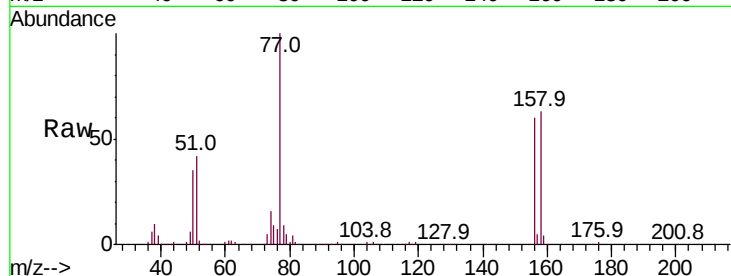




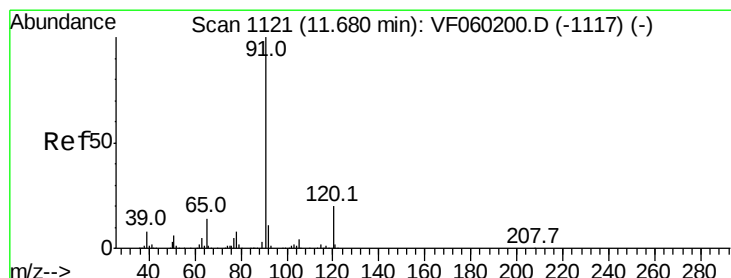
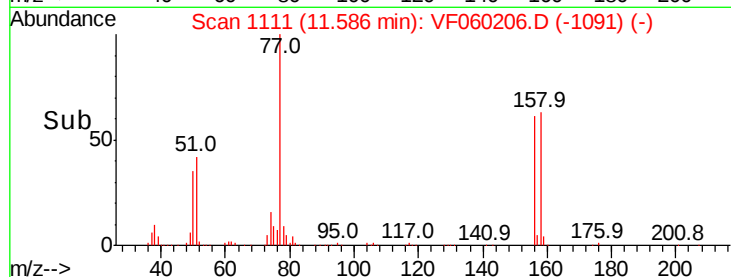
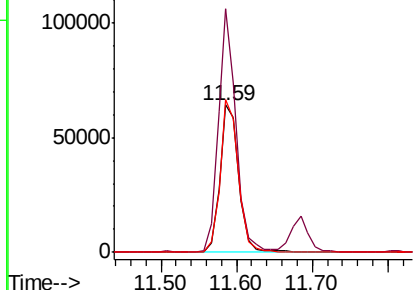
#77
Bromobenzene
Concen: 46.871 ug/l
RT: 11.59 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VF060206.D
Acq: 7 Sep 2018 11:26

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:156 Resp: 111200
Ion Ratio Lower Upper
156 100
77 165.5 64.8 194.3
158 104.2 47.3 141.8

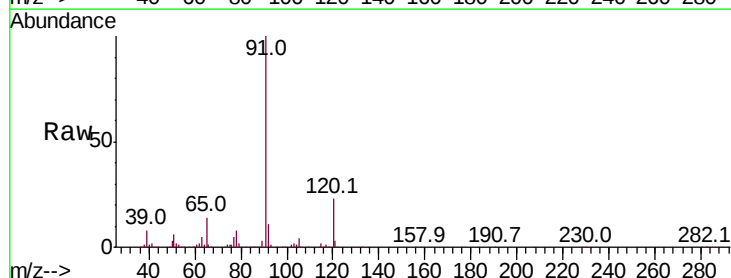


Abundance Ion 156.00 (155.70 to 156.70): V
Ion 77.00 (76.70 to 77.70): VF0
Ion 158.00 (157.70 to 158.70): V

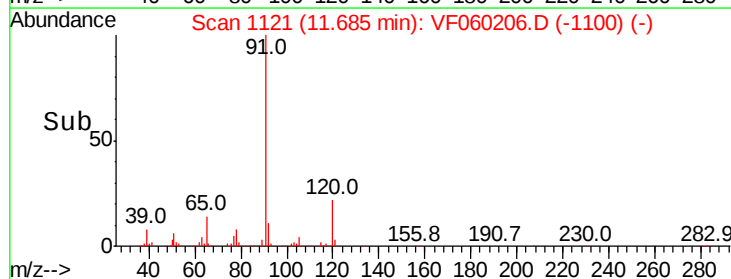
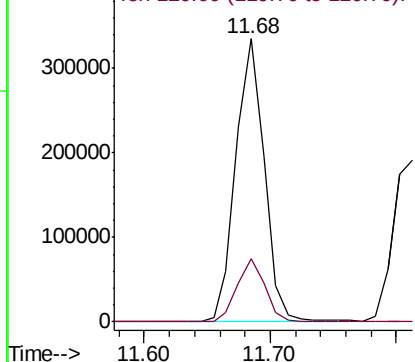


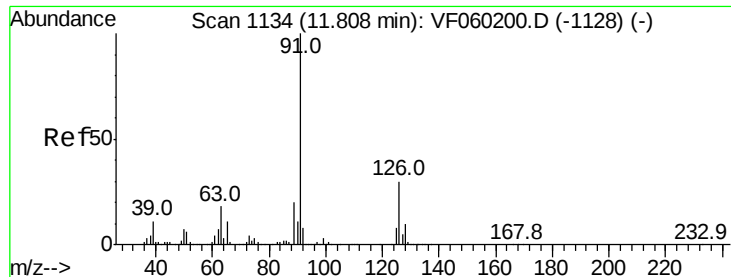
#78
n-propylbenzene
Concen: 48.132 ug/l
RT: 11.68 min Scan# 1121
Delta R.T. 0.00 min
Lab File: VF060206.D
Acq: 7 Sep 2018 11:26

Tgt Ion: 91 Resp: 522511
Ion Ratio Lower Upper
91 100
120 22.5 9.8 29.4



Abundance Ion 91.00 (90.70 to 91.70): VF0
Ion 120.00 (119.70 to 120.70): V

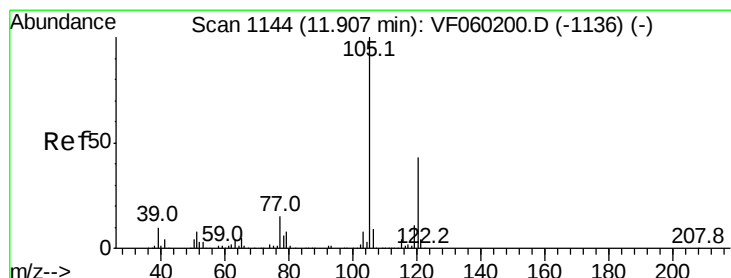
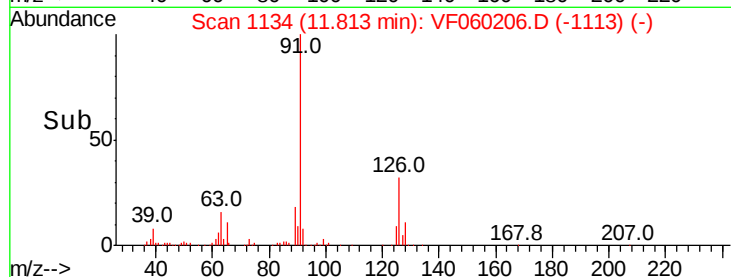
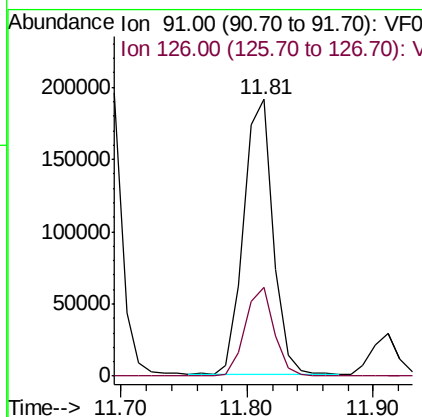
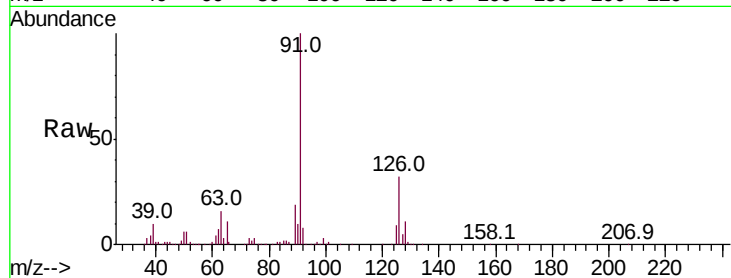




#79
 2-Chlorotoluene
 Concen: 47.066 ug/l
 RT: 11.81 min Scan# 1134
 Delta R.T. 0.00 min
 Lab File: VF060206.D
 Acq: 7 Sep 2018 11:26

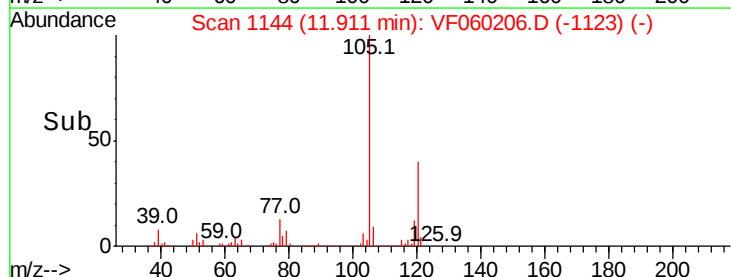
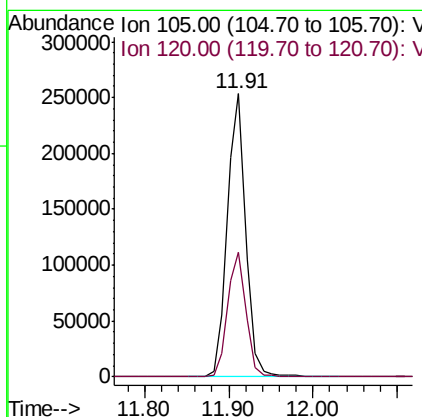
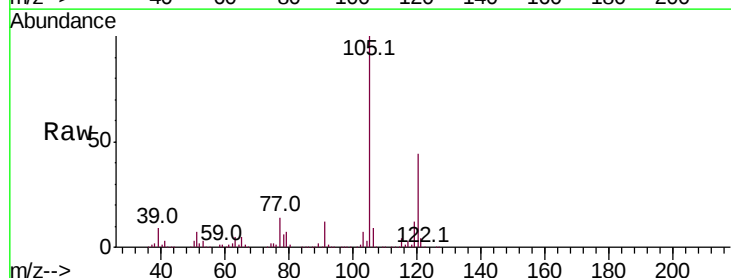
Instrument :
 MSVOA_F
 ClientSampled :

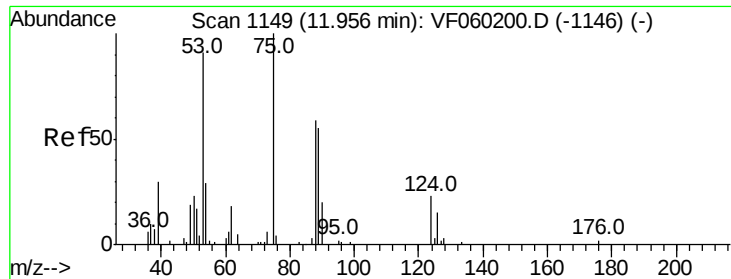
Tot Ion: 91 Resp: 308684
 Ion Ratio Lower Upper
 91 100
 126 31.9 15.2 45.5



#80
 1,3,5-Trimethylbenzene
 Concen: 48.044 ug/l
 RT: 11.91 min Scan# 1144
 Delta R.T. 0.00 min
 Lab File: VF060206.D
 Acq: 7 Sep 2018 11:26

Tgt Ion:105 Resp: 384225
 Ion Ratio Lower Upper
 105 100
 120 44.2 21.6 64.8





#81

trans-1,4-Dichloro-2-butene

Concen: 73.550 ug/l

RT: 11.95 min Scan# 1148

Delta R.T. -0.01 min

Lab File: VF060206.D

Acq: 7 Sep 2018 11:26

Instrument :

MSVOA_F

ClientSampled :

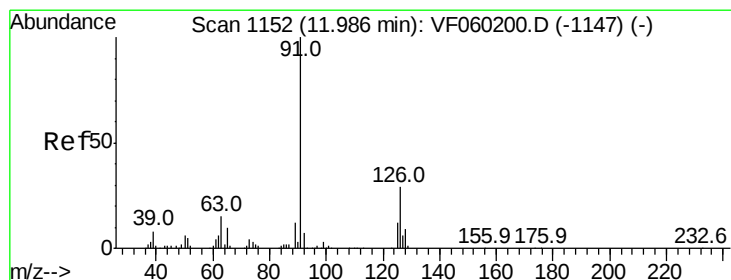
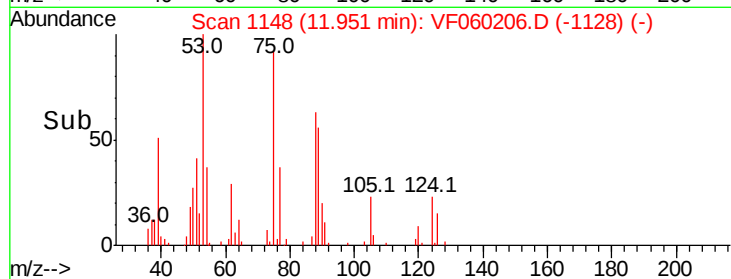
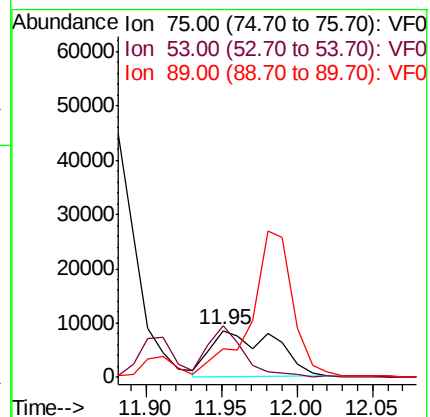
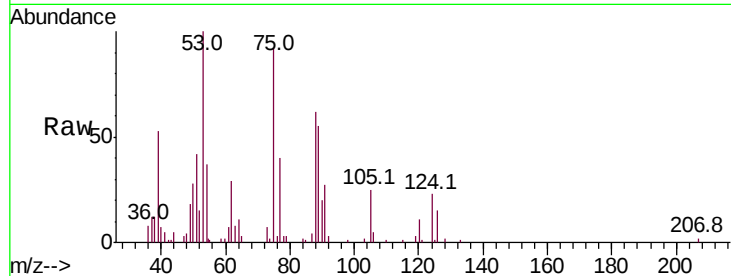
Tot Ion: 75 Resp: 25226

Ion Ratio Lower Upper

75 100

53 109.3 76.5 114.7

89 60.3 46.5 69.7



#82

4-Chlorotoluene

Concen: 46.708 ug/l

RT: 11.98 min Scan# 1151

Delta R.T. -0.01 min

Lab File: VF060206.D

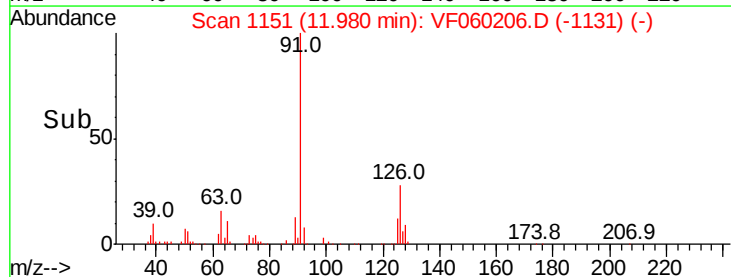
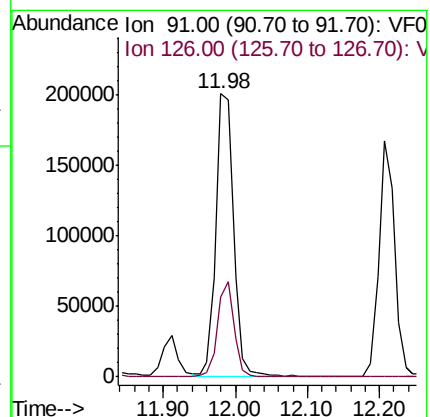
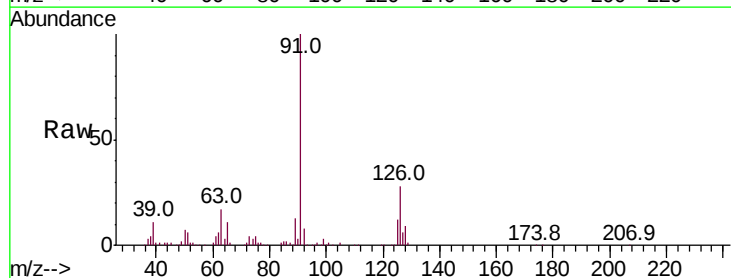
Acq: 7 Sep 2018 11:26

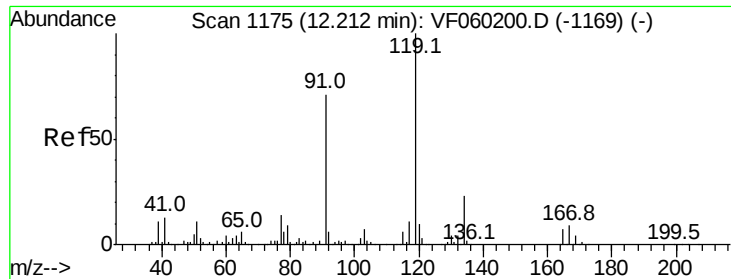
Tgt Ion: 91 Resp: 339955

Ion Ratio Lower Upper

91 100

126 28.2 14.4 43.4

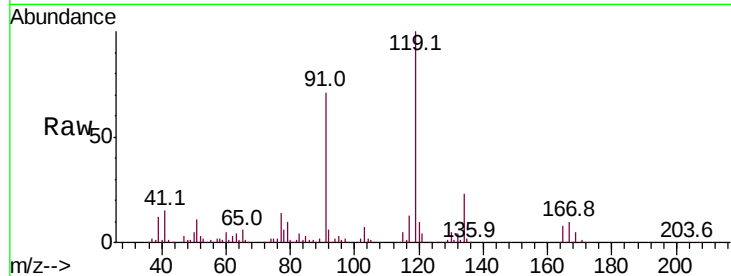




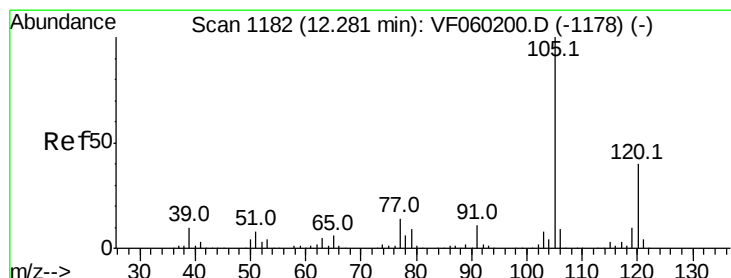
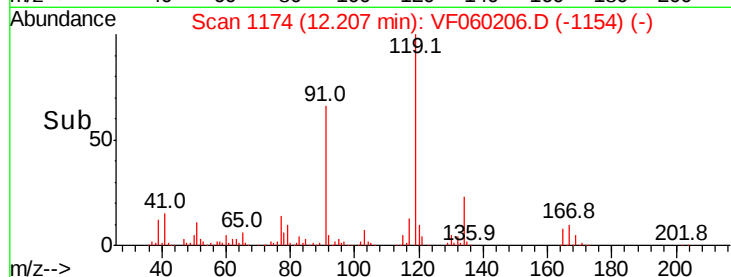
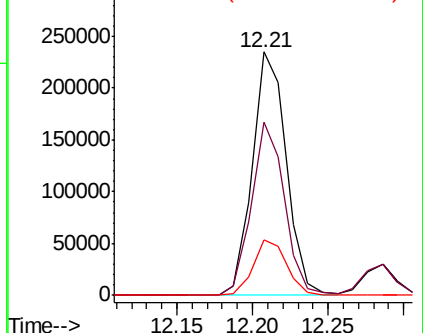
#83
tert-Butylbenzene
Concen: 50.535 ug/l
RT: 12.21 min Scan# 1174
Delta R.T. -0.01 min
Lab File: VF060206.D
Acq: 7 Sep 2018 11:26

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:119 Resp: 368271
Ion Ratio Lower Upper
119 100
91 71.3 35.8 107.4
134 22.7 11.6 34.7

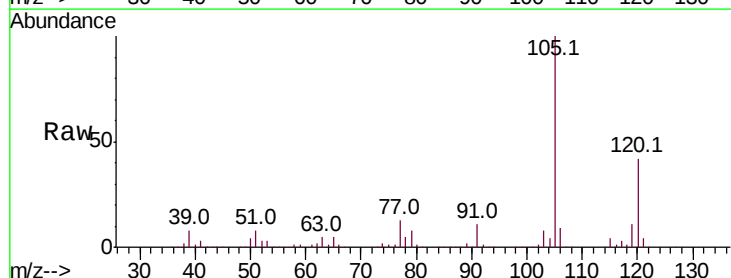


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VF0
Ion 134.00 (133.70 to 134.70): V

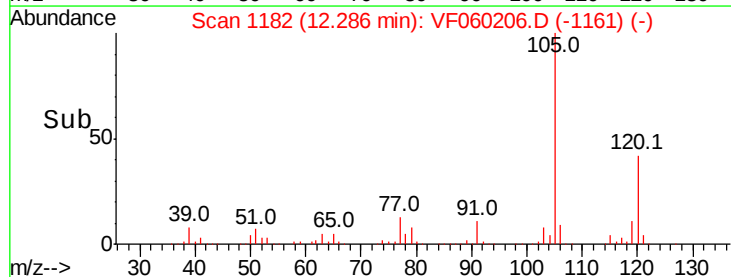
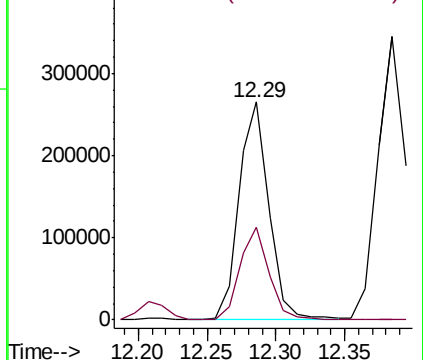


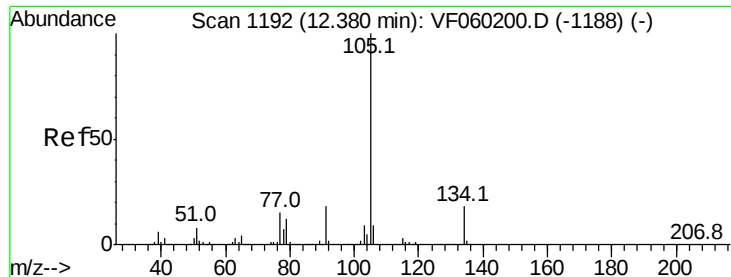
#84
1,2,4-Trimethylbenzene
Concen: 49.456 ug/l
RT: 12.29 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VF060206.D
Acq: 7 Sep 2018 11:26

Tgt Ion:105 Resp: 401811
Ion Ratio Lower Upper
105 100
120 42.3 20.2 60.5



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 49.257 ug/l

RT: 12.38 min Scan# 1192

Delta R.T. 0.00 min

Lab File: VF060206.D

Acq: 7 Sep 2018 11:26

Instrument :

MSVOA_F

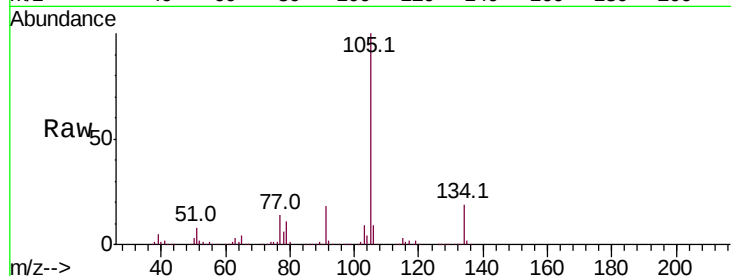
ClientSampleId :

Tot Ion:105 Resp: 495180

Ion Ratio Lower Upper

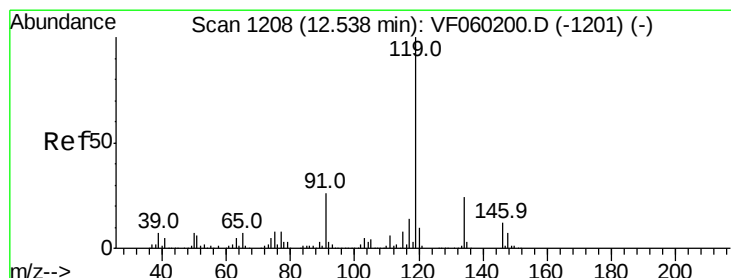
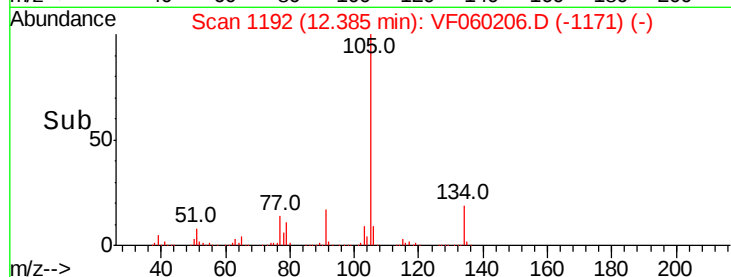
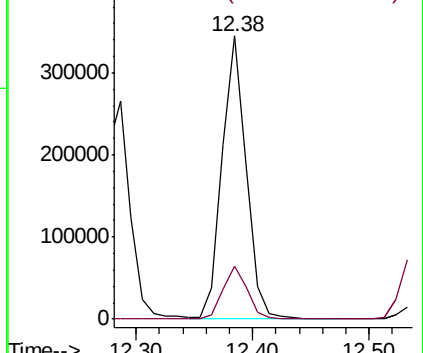
105 100

134 18.6 8.8 26.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 50.531 ug/l

RT: 12.53 min Scan# 1207

Delta R.T. -0.01 min

Lab File: VF060206.D

Acq: 7 Sep 2018 11:26

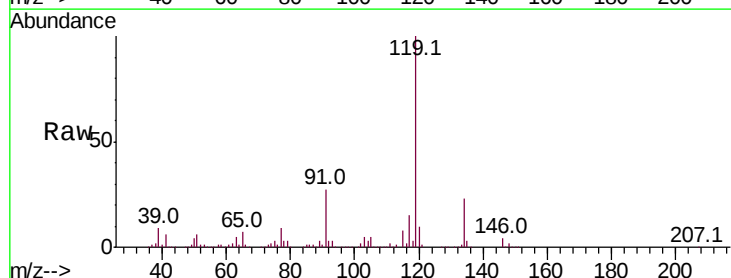
Tgt Ion:119 Resp: 451090

Ion Ratio Lower Upper

119 100

134 23.1 12.0 36.0

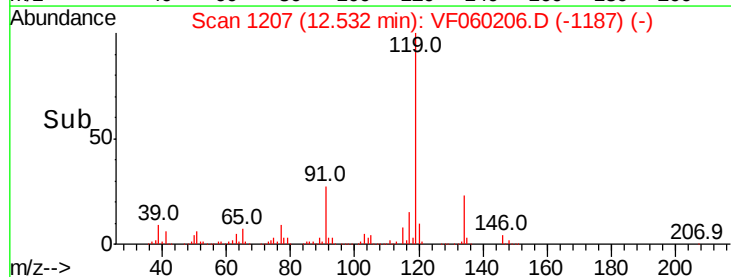
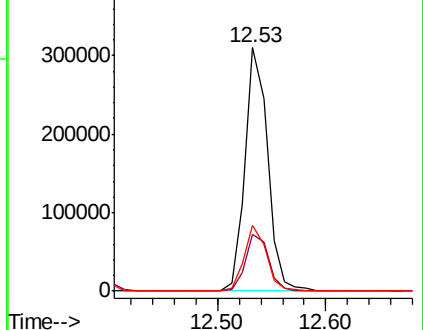
91 27.2 12.9 38.7

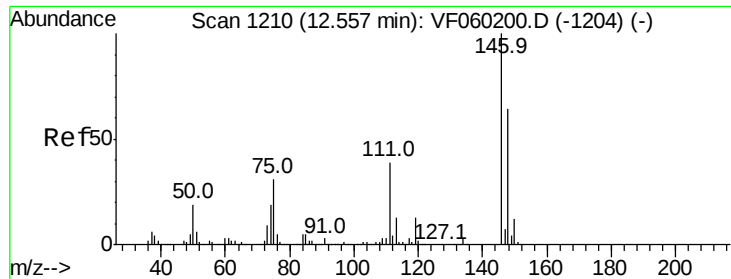


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

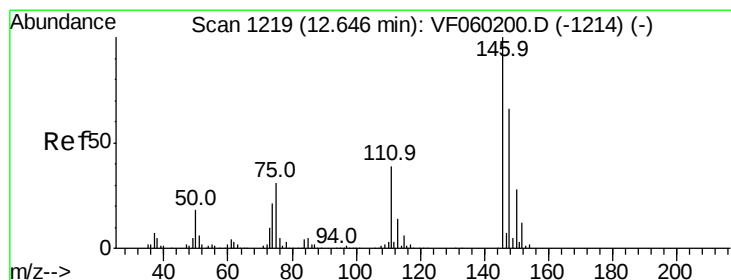
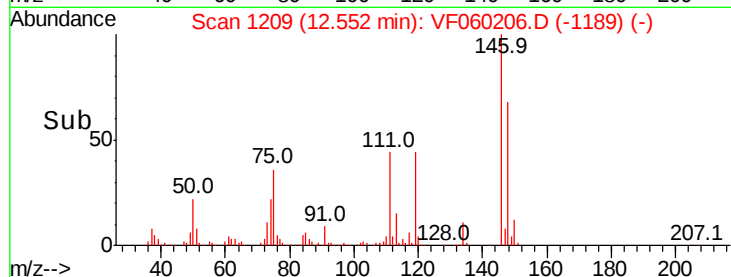
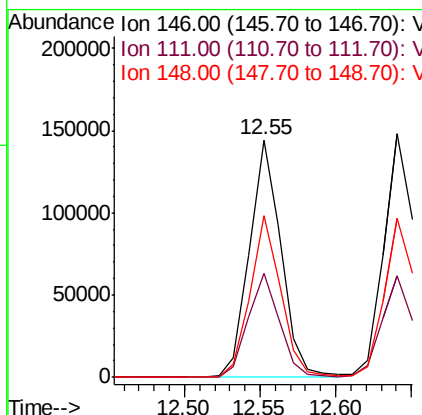
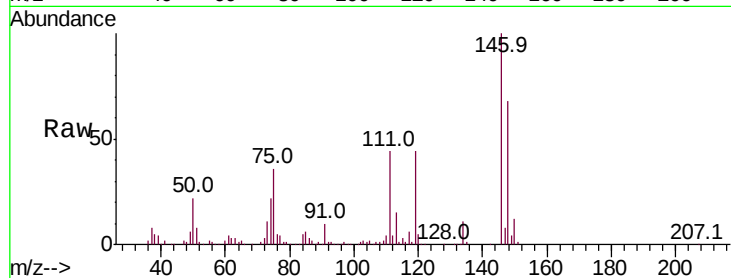




#87
 1,3-Dichlorobenzene
 Concen: 48.772 ug/l
 RT: 12.55 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: VF060206.D
 Acq: 7 Sep 2018 11:26

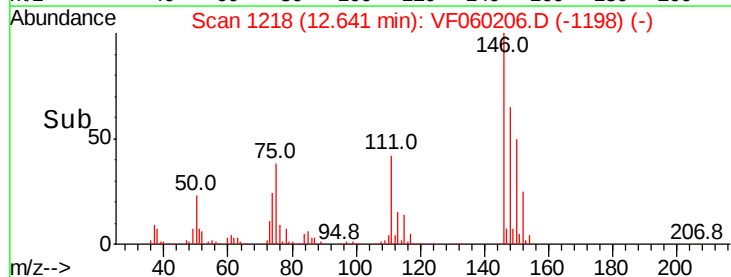
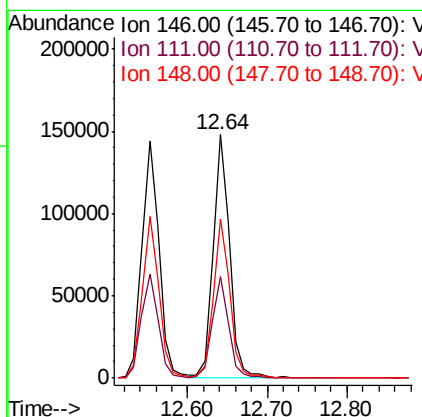
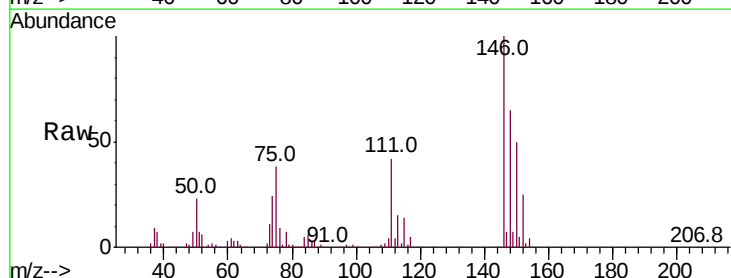
Instrument :
 MSVOA_F
 ClientSampleId :

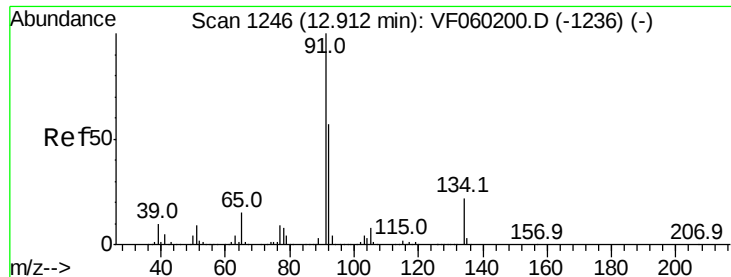
Tot Ion:146 Resp: 211438
 Ion Ratio Lower Upper
 146 100
 111 43.7 19.7 59.1
 148 68.4 32.0 96.0



#88
 1,4-Dichlorobenzene
 Concen: 50.271 ug/l
 RT: 12.64 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: VF060206.D
 Acq: 7 Sep 2018 11:26

Tgt Ion:146 Resp: 215688
 Ion Ratio Lower Upper
 146 100
 111 41.8 19.7 59.1
 148 65.3 33.1 99.5

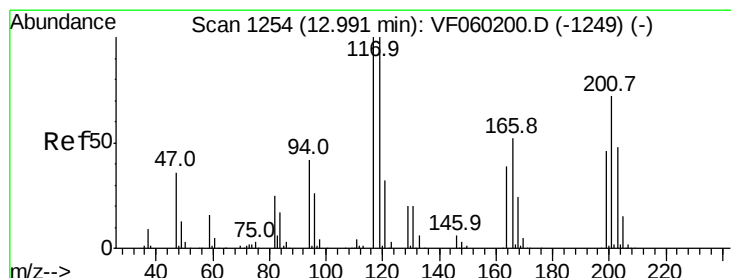
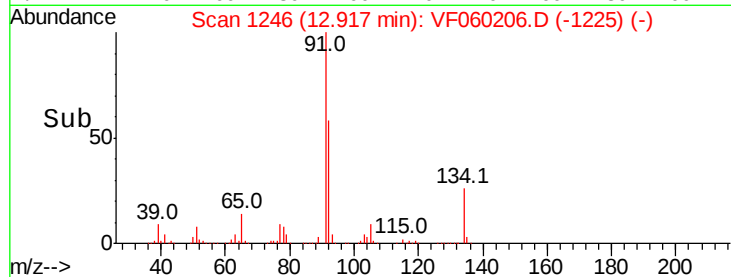
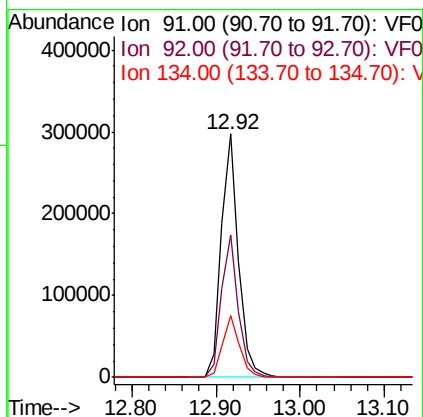
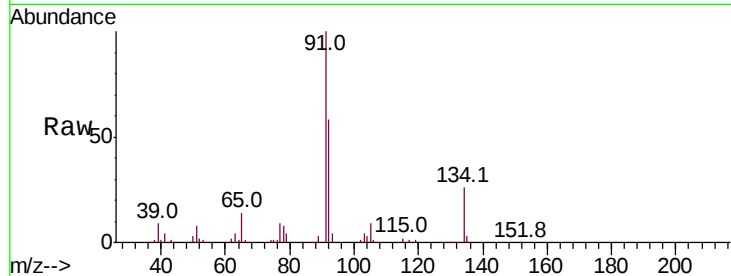




#89
n-Butylbenzene
Concen: 48.655 ug/l
RT: 12.92 min Scan# 1246
Delta R.T. 0.00 min
Lab File: VF060206.D
Acq: 7 Sep 2018 11:26

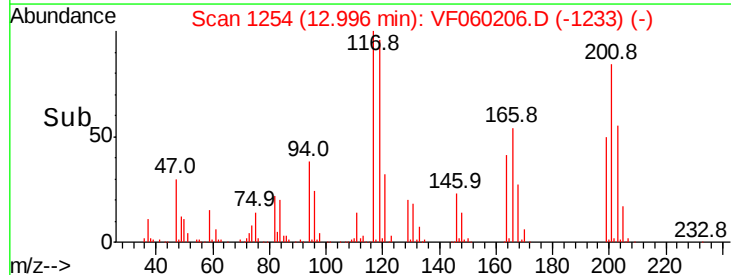
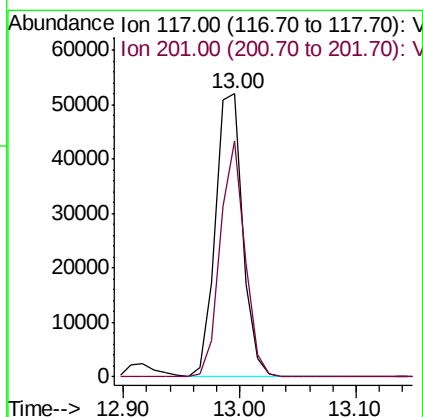
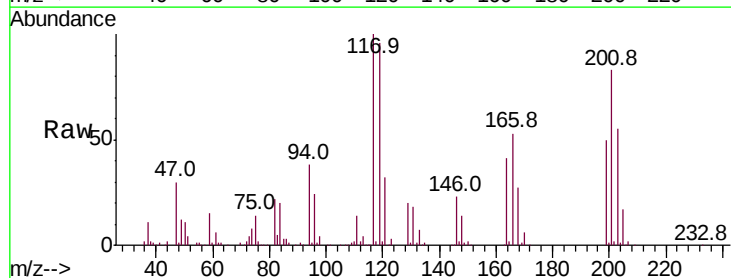
Instrument :
MSVOA_F
ClientSampleId :

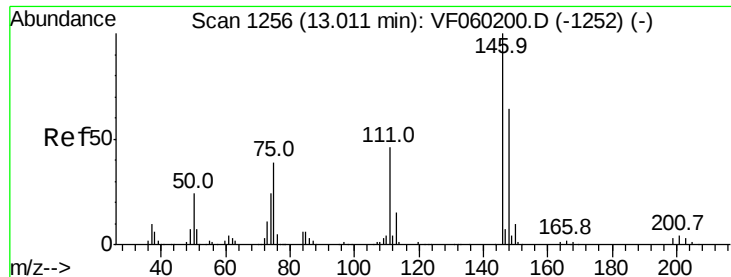
Tot Ion: 91 Resp: 420084
Ion Ratio Lower Upper
91 100
92 58.3 28.4 85.3
134 25.5 11.1 33.3



#90
Hexachloroethane
Concen: 46.801 ug/l
RT: 13.00 min Scan# 1254
Delta R.T. 0.00 min
Lab File: VF060206.D
Acq: 7 Sep 2018 11:26

Tgt Ion: 117 Resp: 84695
Ion Ratio Lower Upper
117 100
201 83.4 35.7 107.1





#91

1,2-Dichlorobenzene

Concen: 49.700 ug/l

RT: 13.02 min Scan# 1256

Delta R.T. 0.00 min

Lab File: VF060206.D

Acq: 7 Sep 2018 11:26

Instrument :

MSVOA_F

ClientSampleId :

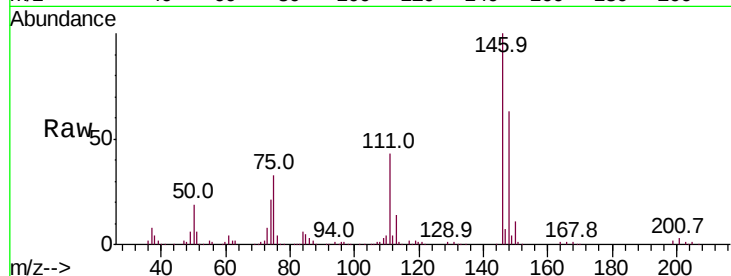
Tot Ion:146 Resp: 204569

Ion Ratio Lower Upper

146 100

111 42.8 23.0 69.0

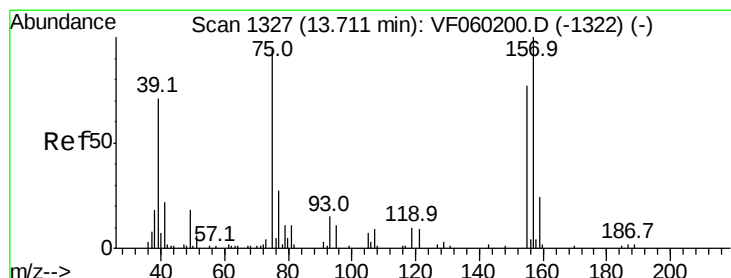
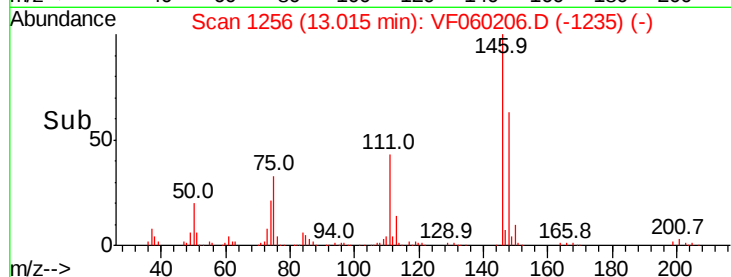
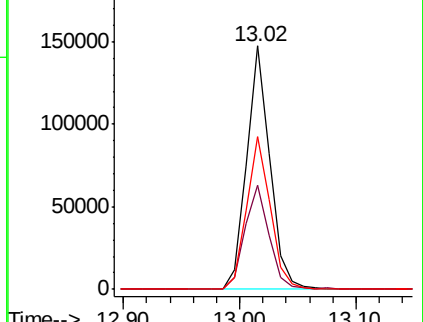
148 62.6 32.2 96.6



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 56.024 ug/l

RT: 13.71 min Scan# 1326

Delta R.T. -0.01 min

Lab File: VF060206.D

Acq: 7 Sep 2018 11:26

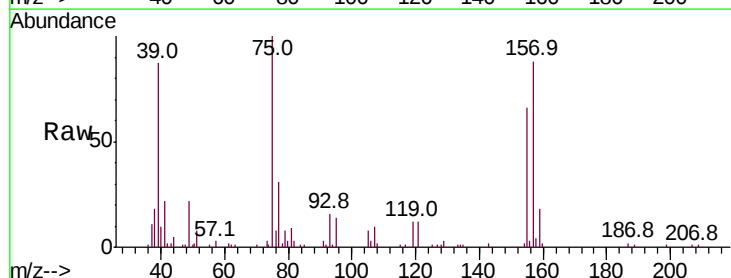
Tgt Ion: 75 Resp: 19476

Ion Ratio Lower Upper

75 100

155 65.7 40.8 122.5

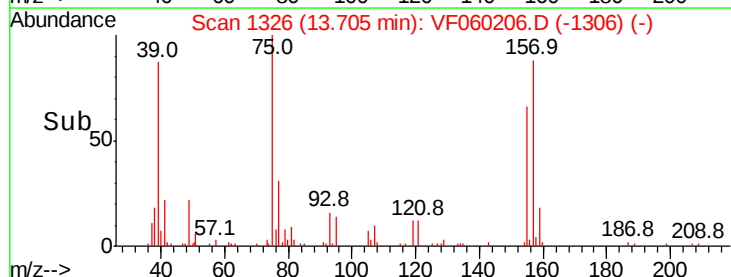
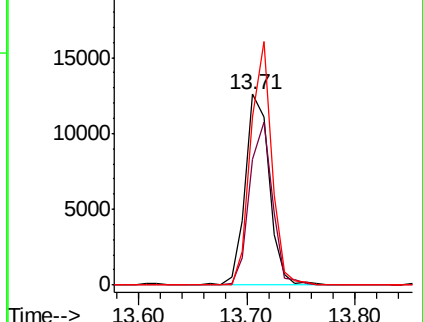
157 88.4 53.3 159.9

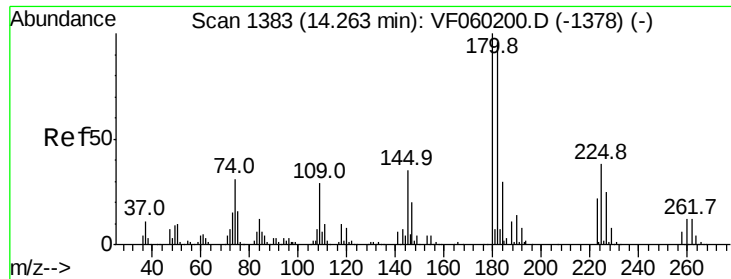


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

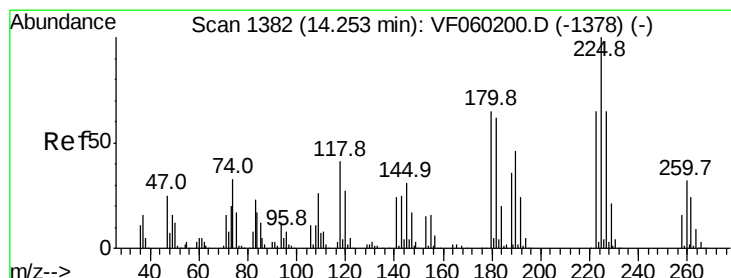
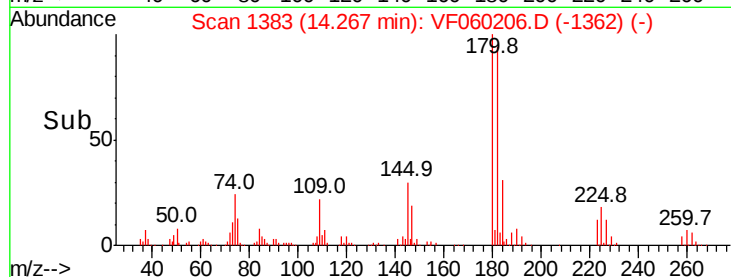
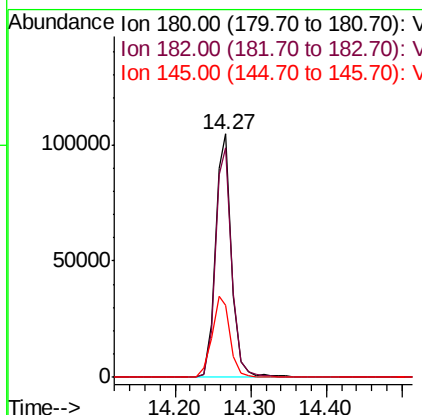
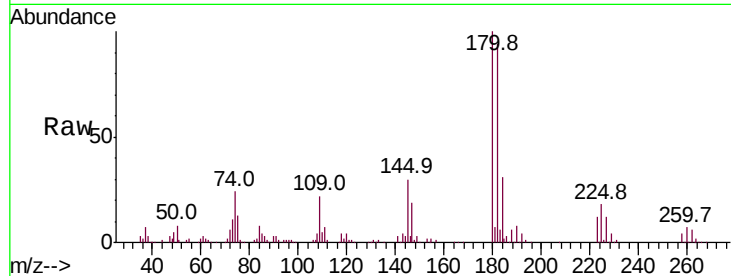




#93
 1,2,4-Trichlorobenzene
 Concen: 49.832 ug/l
 RT: 14.27 min Scan# 1383
 Delta R.T. 0.00 min
 Lab File: VF060206.D
 Acq: 7 Sep 2018 11:26

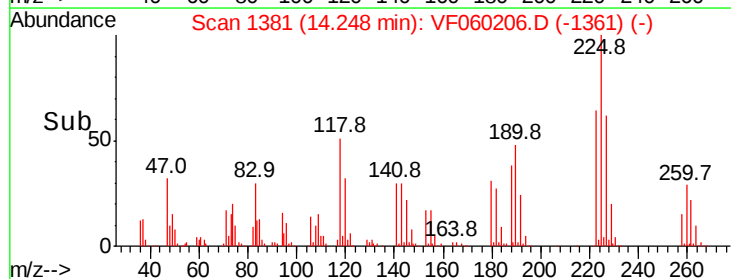
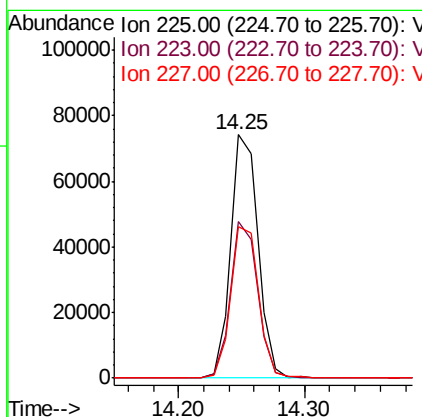
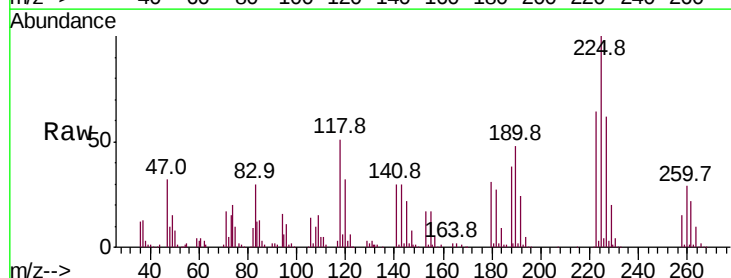
Instrument :
 MSVOA_F
 ClientSampled :

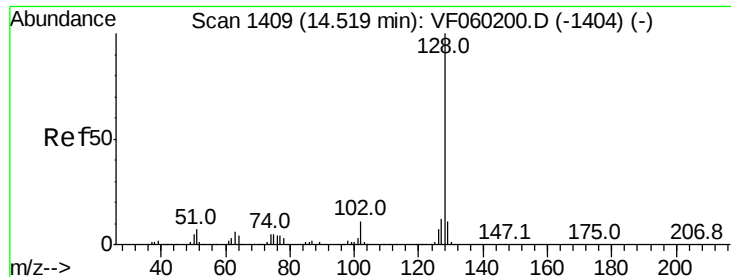
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.1	48.2	144.6
145	29.6	17.4	52.2



#94
 Hexachlorobutadiene
 Concen: 48.494 ug/l
 RT: 14.25 min Scan# 1381
 Delta R.T. -0.01 min
 Lab File: VF060206.D
 Acq: 7 Sep 2018 11:26

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.1	32.3	96.8
227	62.2	32.4	97.0

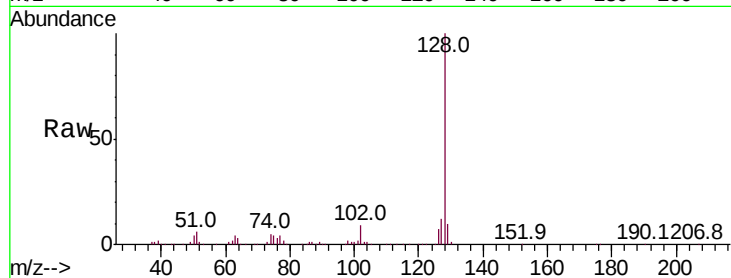




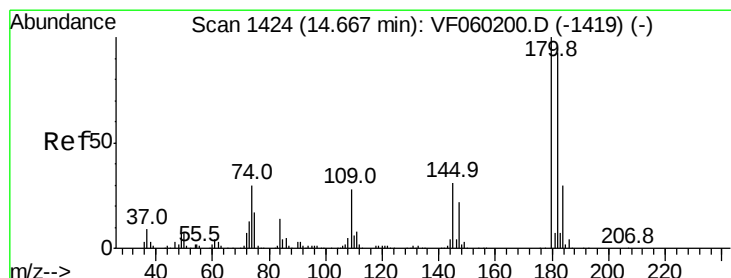
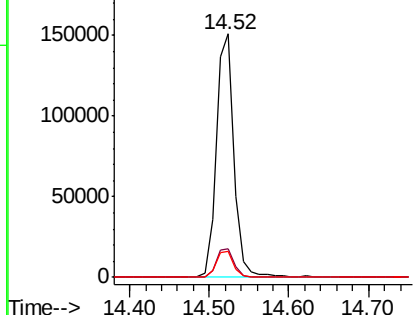
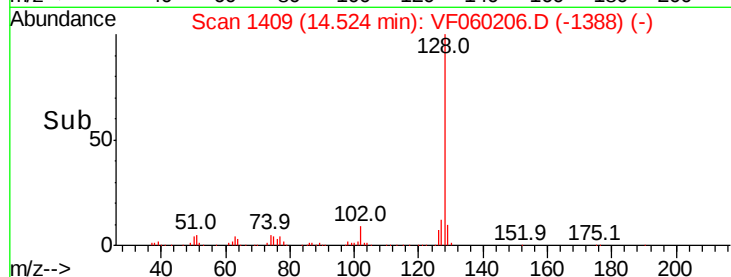
#95
Naphthalene
Concen: 47.487 ug/l
RT: 14.52 min Scan# 1409
Delta R.T. 0.01 min
Lab File: VF060206.D
Acq: 7 Sep 2018 11:26

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:128 Resp: 235156
Ion Ratio Lower Upper
128 100
127 11.6 9.9 14.9
129 10.4 8.9 13.3

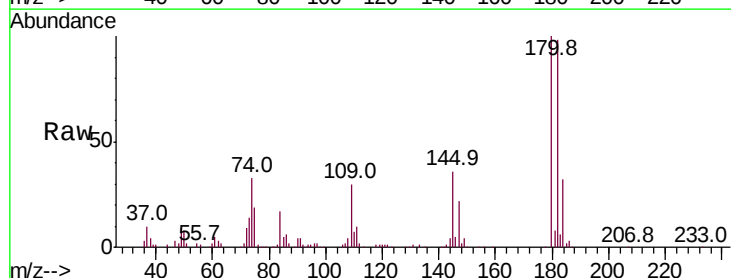


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 51.669 ug/l
RT: 14.66 min Scan# 1423
Delta R.T. -0.01 min
Lab File: VF060206.D
Acq: 7 Sep 2018 11:26

Tgt Ion:180 Resp: 154276
Ion Ratio Lower Upper
180 100
182 97.7 46.6 139.7
145 36.3 15.7 47.0



Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

