

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF110718\
 Data File : VF060625.D
 Acq On : 7 Nov 2018 12:06
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Nov 07 14:34:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F110218S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 03 05:29:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	245468	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.61	114	424585	50.00	ug/l	0.01
63) Chlorobenzene-d5	9.78	117	377168	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	198115	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.85	65	139598	56.29	ug/l	0.00
Spiked Amount						
			Recovery	=	112.58%	
35) Dibromofluoromethane	4.12	113	181132	55.22	ug/l	0.01
Spiked Amount						
			Recovery	=	110.44%	
50) Toluene-d8	7.56	98	502786	51.74	ug/l	0.00
Spiked Amount						
			Recovery	=	103.48%	
62) 4-Bromofluorobenzene	11.42	95	225605	53.08	ug/l	0.00
Spiked Amount						
			Recovery	=	106.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	146712	57.827	ug/l	98
3) Chloromethane	1.09	50	114637	53.361	ug/l	99
4) Vinyl Chloride	1.14	62	102866	51.962	ug/l #	85
5) Bromomethane	1.32	94	60458	54.408	ug/l	97
6) Chloroethane	1.38	64	40102	56.680	ug/l	90
7) Trichlorofluoromethane	1.49	101	217992	58.835	ug/l	95
8) Diethyl Ether	1.63	74	32529	47.369	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	1.82	101	110053	51.979	ug/l	95
10) Methyl Iodide	1.89	142	129414	37.143	ug/l	89
11) Tert butyl alcohol	2.57	59	29157	223.770	ug/l #	82
12) 1,1-Dichloroethene	1.78	96	87085	48.835	ug/l	80
13) Acrolein	2.00	56	17602	211.147	ug/l	92
14) Allyl chloride	2.10	41	155303	53.336	ug/l	95
15) Acrylonitrile	2.95	53	65047	220.066	ug/l	98
16) Acetone	2.24	43	152117	260.289	ug/l	97
17) Carbon Disulfide	1.82	76	257614	51.285	ug/l	99
18) Methyl Acetate	2.34	43	45181	49.773	ug/l	93
19) Methyl tert-butyl Ether	2.43	73	217103	52.080	ug/l	98
20) Methylene Chloride	2.23	84	46866	24.230	ug/l	93
21) trans-1,2-Dichloroethene	2.31	96	97955	52.359	ug/l	97
22) Diisopropyl ether	2.80	45	322615	52.294	ug/l	98
23) Vinyl Acetate	3.19	43	895577	241.614	ug/l	99
24) 1,1-Dichloroethane	2.88	63	188549	52.810	ug/l	97
25) 2-Butanone	4.34	43	311802	288.620	ug/l	99
26) 2,2-Dichloropropane	3.60	77	153274	57.374	ug/l	97
27) cis-1,2-Dichloroethene	3.48	96	193614	54.212	ug/l	97
28) Bromochloromethane	3.72	49	123047	54.917	ug/l	92
29) Tetrahydrofuran	4.08	42	113942	264.131	ug/l	98
30) Chloroform	3.86	83	316412	56.016	ug/l	97
31) Cyclohexane	3.69	56	254397	51.633	ug/l	91
32) 1,1,1-Trichloroethane	4.10	97	244759	62.041	ug/l	97
36) 1,1-Dichloropropene	4.29	75	263105	56.280	ug/l	99
37) Ethyl Acetate	4.11	43	100043	44.579	ug/l #	70
38) Carbon Tetrachloride	3.99	117	211782	53.015	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	301322	52.817	ug/l	96
40) Benzene	4.63	78	605752	53.380	ug/l	99
41) Methacrylonitrile	4.75	41	62029	48.808	ug/l	93
42) 1,2-Dichloroethane	4.95	62	175561	53.904	ug/l	99
43) Isopropyl Acetate	6.96	43	136745	48.172	ug/l #	97
44) Trichloroethene	5.51	130	170913	50.115	ug/l	98
45) 1,2-Dichloropropane	6.24	63	159028	54.795	ug/l	98
46) Dibromomethane	6.09	93	99471	54.025	ug/l	93
47) Bromodichloromethane	6.39	83	235328	52.990	ug/l	99
48) Methyl methacrylate	6.72	41	82161	46.052	ug/l	97
49) 1,4-Dioxane	6.71	88	15922	853.128	ug/l #	84
51) 4-Methyl-2-Pentanone	8.26	43	466967	244.625	ug/l	96
52) Toluene	7.63	92	359252	48.600	ug/l	100
53) t-1,3-Dichloropropene	8.28	75	183676	47.587	ug/l	98
54) cis-1,3-Dichloropropene	7.31	75	247964	50.846	ug/l	98
55) 1,1,2-Trichloroethane	8.50	97	110022	51.148	ug/l	96
56) Ethyl methacrylate	8.63	69	135454	48.943	ug/l	98
57) 1,3-Dichloropropane	8.86	76	179638	47.594	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.63	63	46486	263.739	ug/l	100
59) 2-Hexanone	9.50	43	355118	284.481	ug/l	98
60) Dibromochloromethane	8.73	129	148972	49.520	ug/l	97
61) 1,2-Dibromoethane	8.99	107	116652	51.568	ug/l	97
64) Tetrachloroethene	8.16	164	148303	50.172	ug/l	96
65) Chlorobenzene	9.80	112	397893	51.587	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.94	131	172901	53.052	ug/l	96
67) Ethyl Benzene	9.91	91	723034	51.657	ug/l	99
68) m/p-Xylenes	10.14	106	525016	99.577	ug/l	98
69) o-Xylene	10.72	106	305574	53.077	ug/l	98
70) Styrene	10.80	104	403953	48.432	ug/l	97
71) Bromoform	10.78	173	82176	48.820	ug/l	95
73) Isopropylbenzene	11.13	105	845140	54.699	ug/l	100
74) N-amyl acetate	11.38	43	228273	58.930	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.70	83	147269	52.220	ug/l	96
76) 1,2,3-Trichloropropane	11.87	75	69130	49.878	ug/l	100
77) Bromobenzene	11.50	156	175435	51.892	ug/l	96
78) n-propylbenzene	11.60	91	968576	53.580	ug/l	98
79) 2-Chlorotoluene	11.72	91	553735	53.637	ug/l	99
80) 1,3,5-Trimethylbenzene	11.83	105	650711	51.095	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.87	75	69130	63.466	ug/l	95
82) 4-Chlorotoluene	11.90	91	548006	50.878	ug/l	99
83) tert-Butylbenzene	12.14	119	704216	54.127	ug/l	99
84) 1,2,4-Trimethylbenzene	12.21	105	660376	52.950	ug/l	99
85) sec-Butylbenzene	12.32	105	924621	51.662	ug/l	97
86) p-Isopropyltoluene	12.46	119	768486	52.141	ug/l	100
87) 1,3-Dichlorobenzene	12.48	146	333982	50.331	ug/l	98
88) 1,4-Dichlorobenzene	12.57	146	334444	53.137	ug/l	98
89) n-Butylbenzene	12.85	91	787350	56.504	ug/l	100
90) Hexachloroethane	12.92	117	205366	54.792	ug/l	73
91) 1,2-Dichlorobenzene	12.95	146	315119	50.760	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.65	75	25715	52.483	ug/l	95

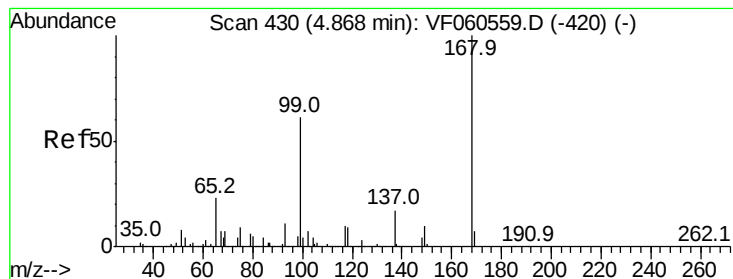
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	227895	54.035	ug/l	98
94) Hexachlorobutadiene	14.19	225	150667	55.131	ug/l	96
95) Naphthalene	14.46	128	456997	54.138	ug/l	98
96) 1,2,3-Trichlorobenzene	14.60	180	214571	53.858	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.88 min Scan# 431

Delta R.T. 0.01 min

Lab File: VF060625.D

Acq: 7 Nov 2018 12:06

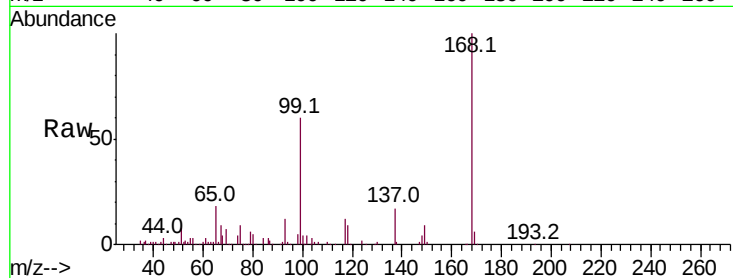
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 245468

Ion Ratio Lower Upper

168 100

99 60.4 48.6 72.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.88

80000

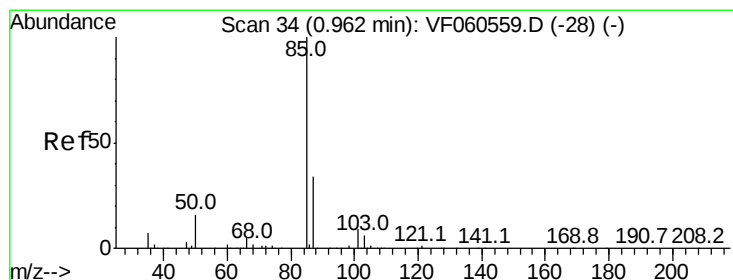
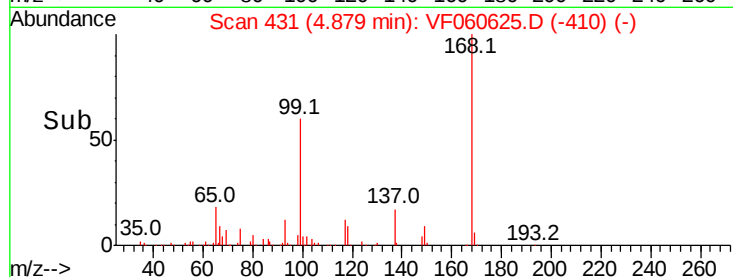
60000

40000

20000

0

Time--> 4.70 4.80 4.90 5.00 5.10



#2

Dichlorodifluoromethane

Concen: 57.827 ug/l

RT: 0.96 min Scan# 34

Delta R.T. 0.00 min

Lab File: VF060625.D

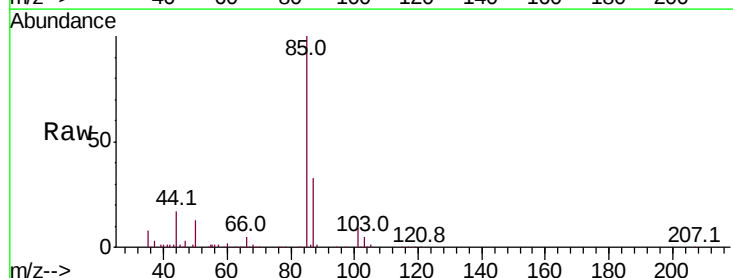
Acq: 7 Nov 2018 12:06

Tgt Ion: 85 Resp: 146712

Ion Ratio Lower Upper

85 100

87 32.7 16.9 50.7



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

50000

40000

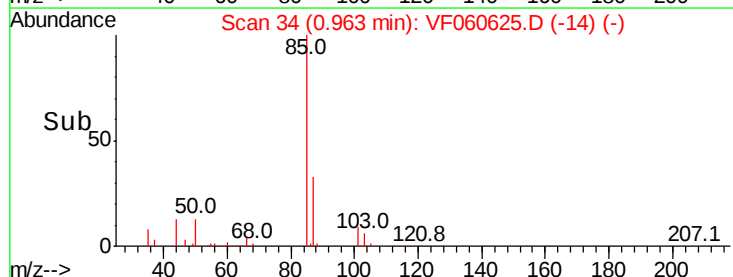
30000

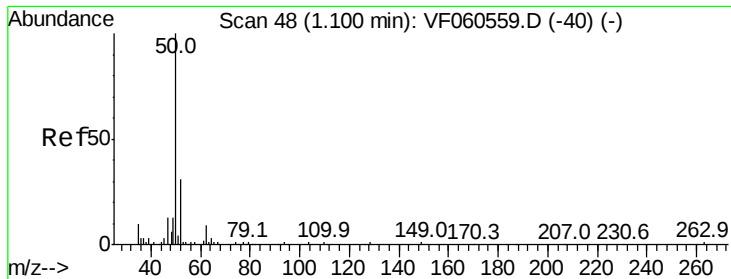
20000

10000

0

Time--> 0.80 0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 53.361 ug/l

RT: 1.09 min Scan# 47

Delta R.T. -0.01 min

Lab File: VF060625.D

Acq: 7 Nov 2018 12:06

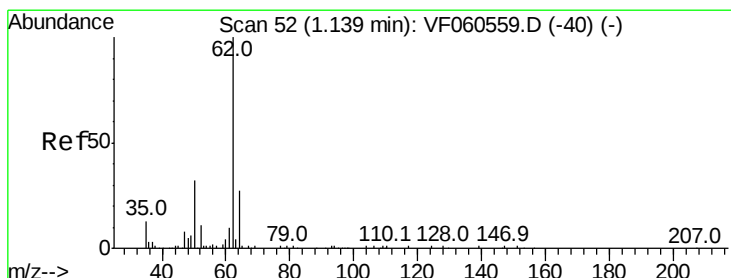
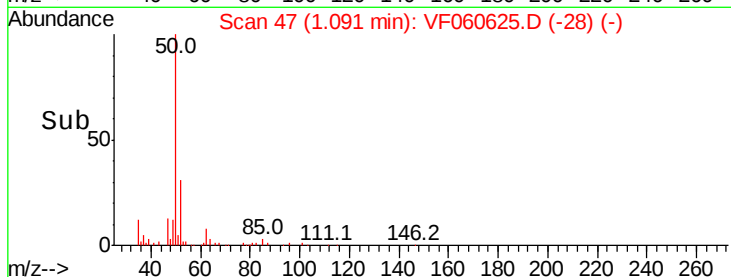
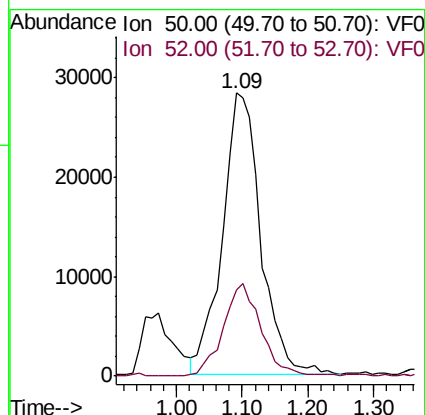
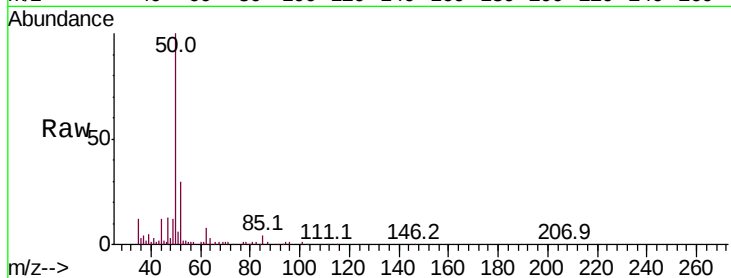
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 50 Resp: 114637

Ion Ratio Lower Upper

50 100

52 30.5 24.0 36.0



#4

Vinyl Chloride

Concen: 51.962 ug/l

RT: 1.14 min Scan# 52

Delta R.T. 0.00 min

Lab File: VF060625.D

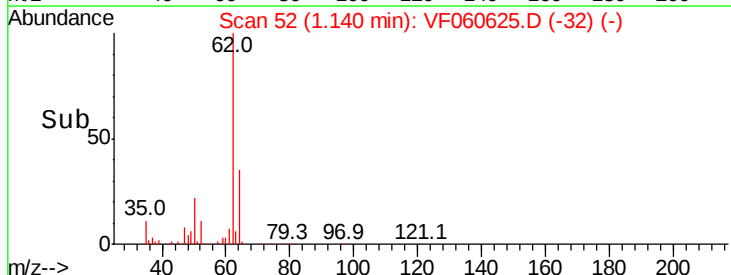
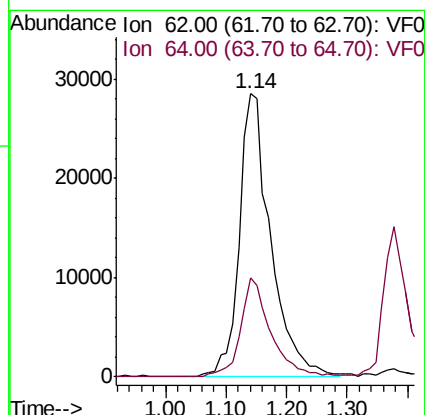
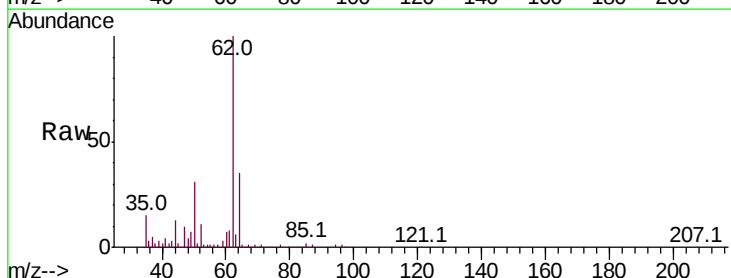
Acq: 7 Nov 2018 12:06

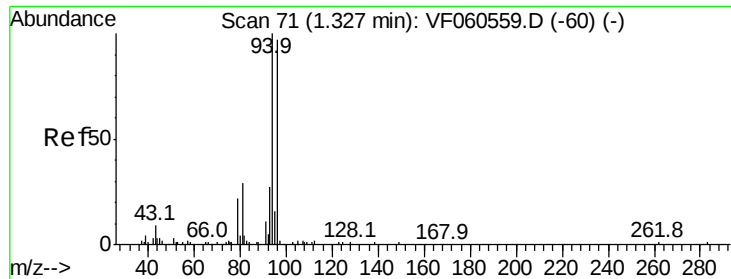
Tgt Ion: 62 Resp: 102866

Ion Ratio Lower Upper

62 100

64 34.8 21.8 32.6#





#5

Bromomethane

Concen: 54.408 ug/l

RT: 1.32 min Scan# 70

Delta R.T. -0.01 min

Lab File: VF060625.D

Acq: 7 Nov 2018 12:06

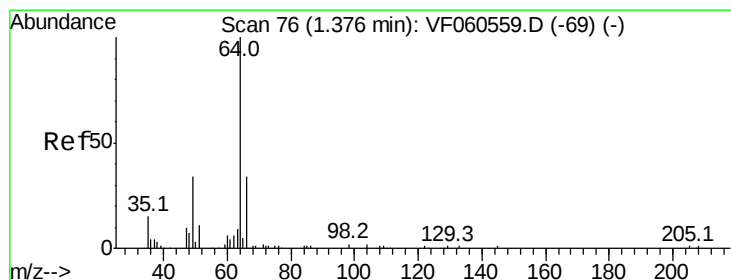
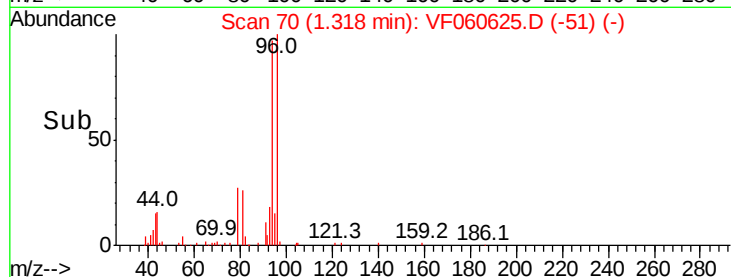
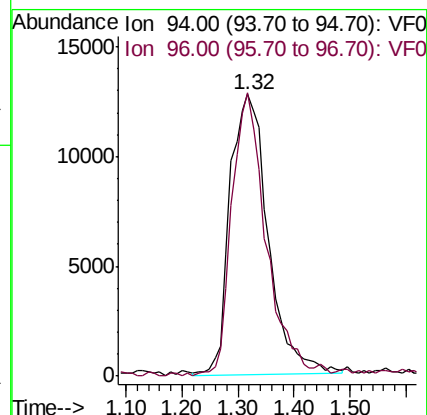
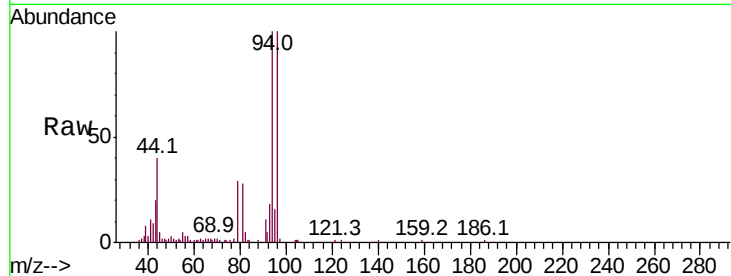
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 94 Resp: 60458

Ion Ratio Lower Upper

94 100

96 100.5 77.9 116.9



#6

Chloroethane

Concen: 56.680 ug/l

RT: 1.38 min Scan# 76

Delta R.T. 0.00 min

Lab File: VF060625.D

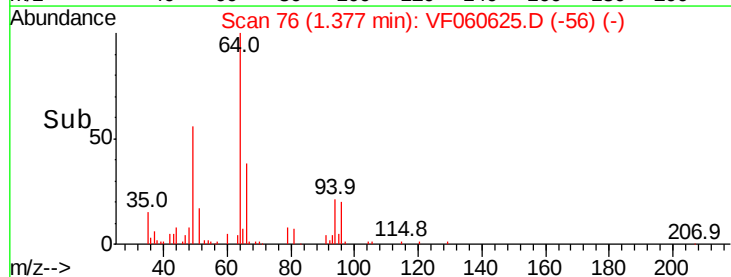
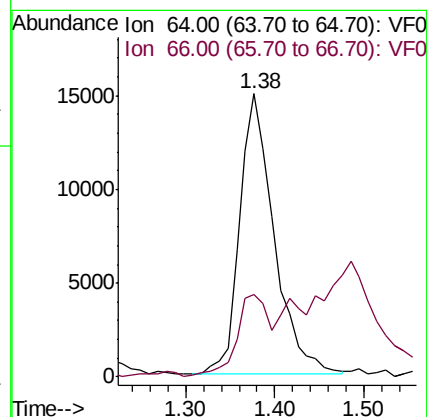
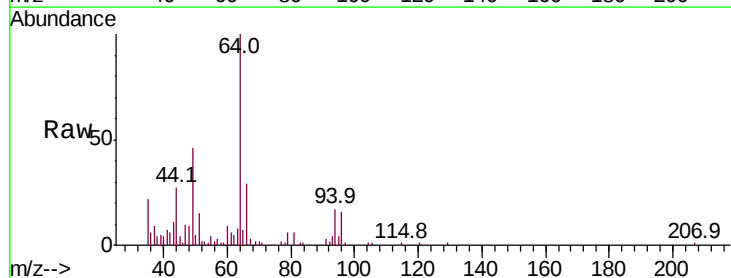
Acq: 7 Nov 2018 12:06

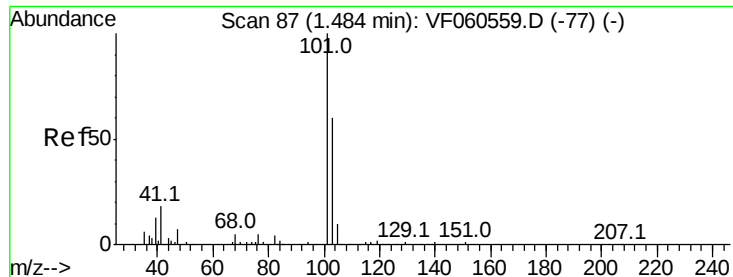
Tgt Ion: 64 Resp: 40102

Ion Ratio Lower Upper

64 100

66 29.1 27.8 41.8





#7

Trichlorofluoromethane

Concen: 58.835 ug/l

RT: 1.49 min Scan# 87

Delta R.T. 0.00 min

Lab File: VF060625.D

Acq: 7 Nov 2018 12:06

Instrument :

MSVOA_F

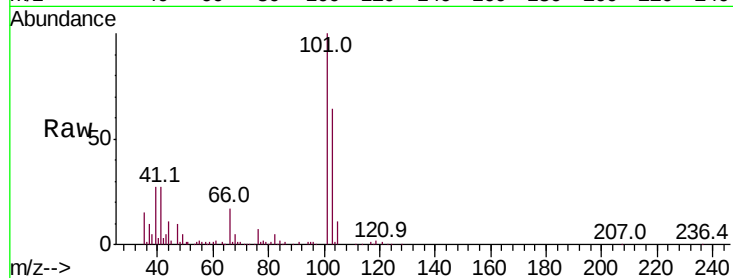
ClientSampleId :

Tot Ion:101 Resp: 217992

Ion Ratio Lower Upper

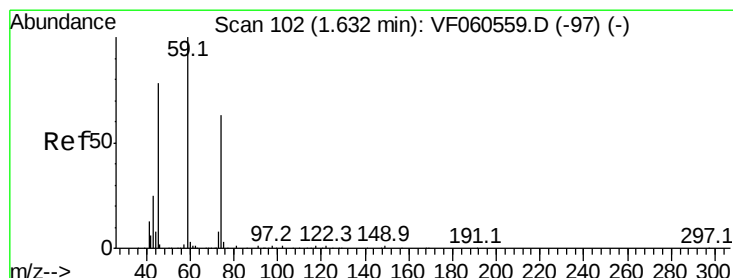
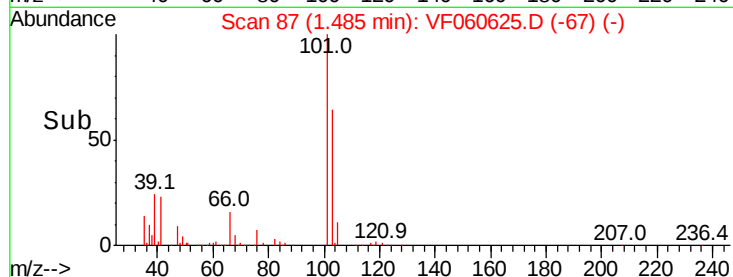
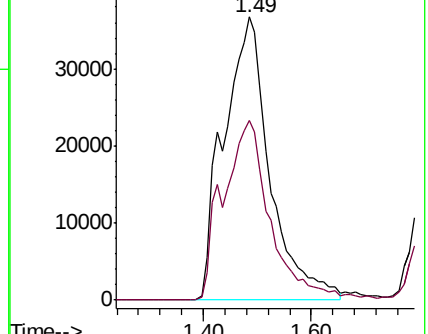
101 100

103 63.7 48.0 72.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 47.369 ug/l

RT: 1.63 min Scan# 102

Delta R.T. 0.00 min

Lab File: VF060625.D

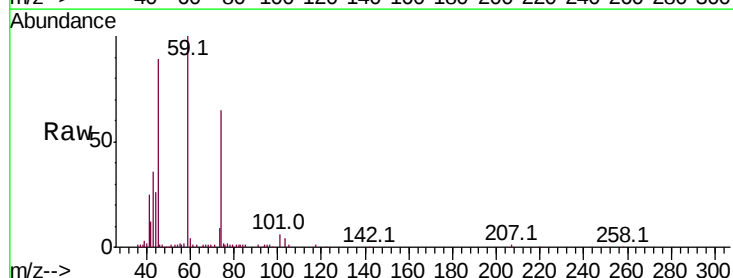
Acq: 7 Nov 2018 12:06

Tgt Ion: 74 Resp: 32529

Ion Ratio Lower Upper

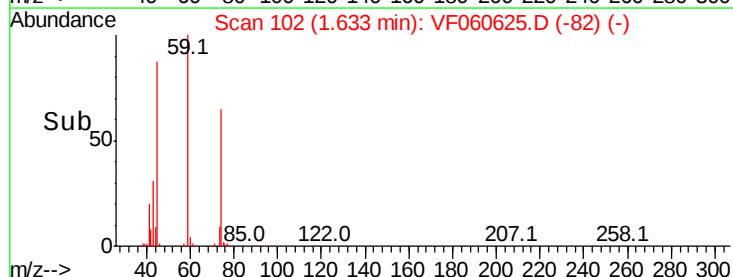
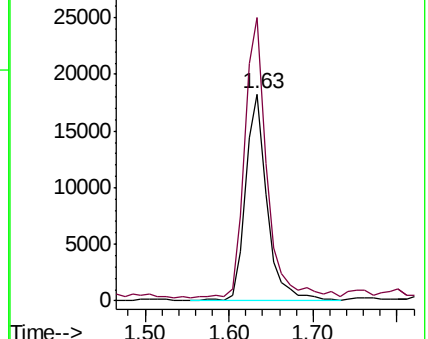
74 100

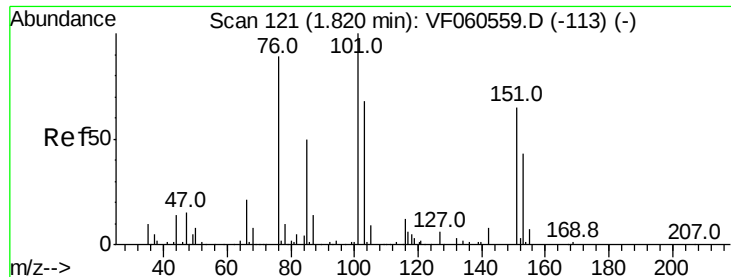
45 136.9 63.8 191.5



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.979 ug/l

RT: 1.82 min Scan# 121

Delta R.T. 0.00 min

Lab File: VF060625.D

Acq: 7 Nov 2018 12:06

Instrument :

MSVOA_F

ClientSampleId :

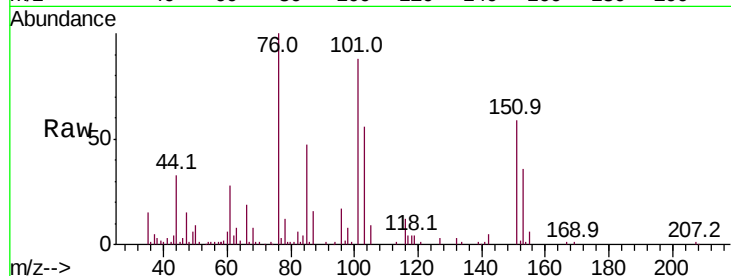
Tot Ion:101 Resp: 110053

Ion Ratio Lower Upper

101 100

85 53.4 39.8 59.6

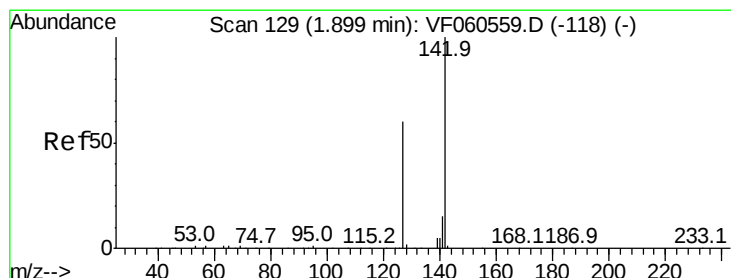
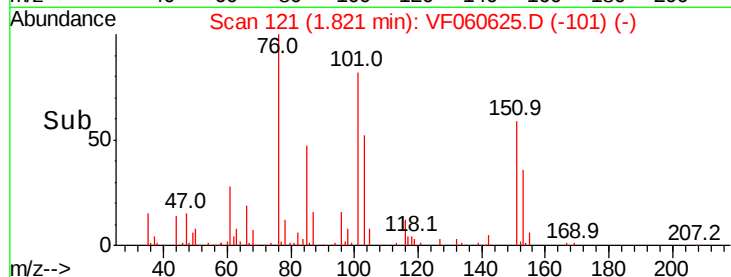
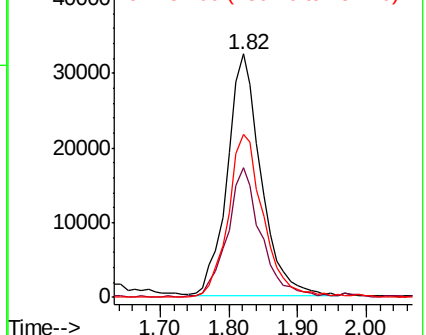
151 66.7 50.8 76.2



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: 37.143 ug/l

RT: 1.89 min Scan# 128

Delta R.T. -0.01 min

Lab File: VF060625.D

Acq: 7 Nov 2018 12:06

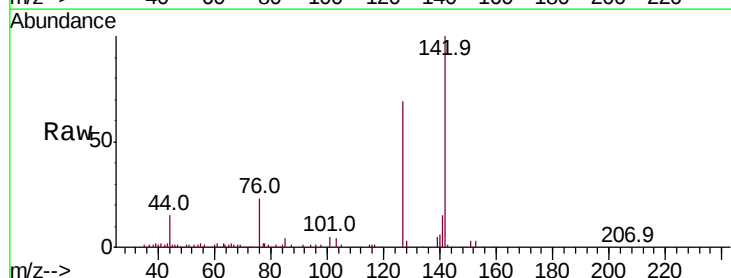
Tgt Ion:142 Resp: 129414

Ion Ratio Lower Upper

142 100

127 69.3 47.8 71.6

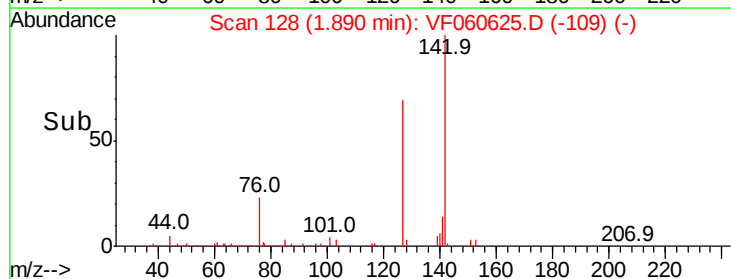
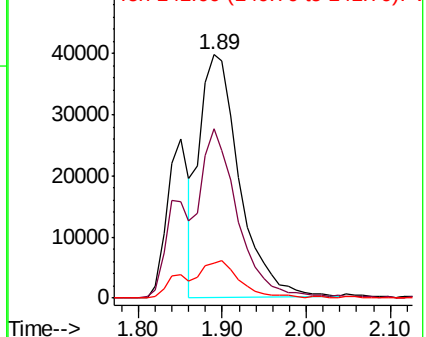
141 14.6 12.7 19.1

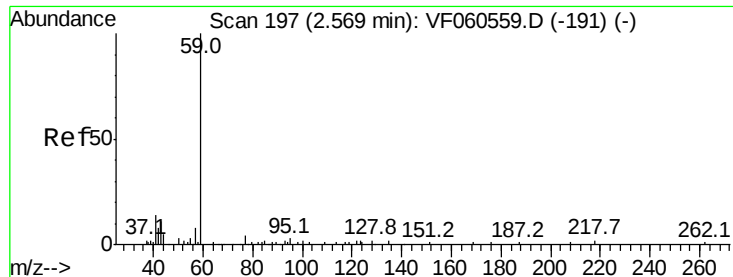


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



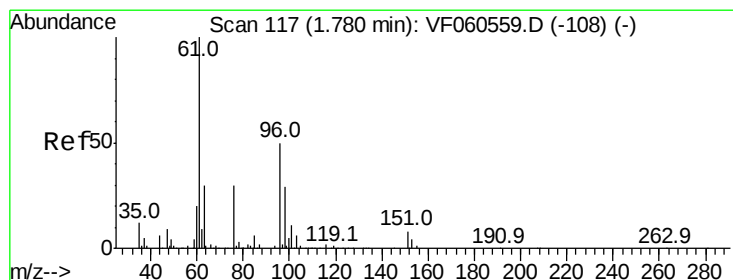
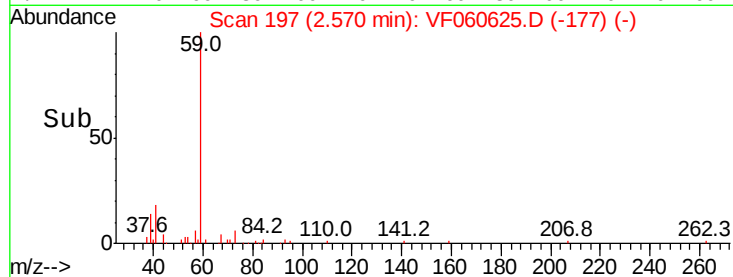
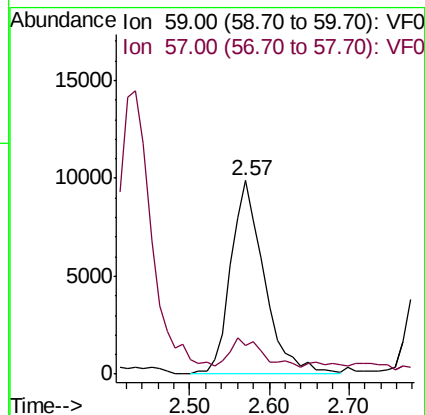
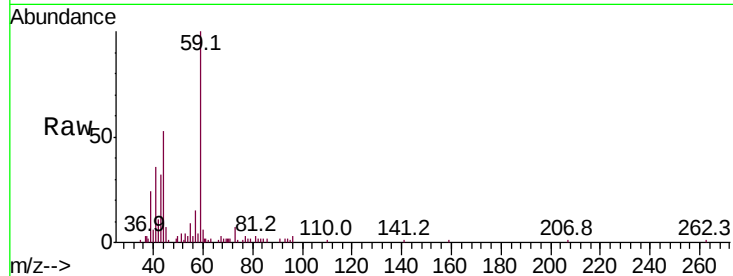


#11

Tert butyl alcohol
Concen: 223.770 ug/l
RT: 2.57 min Scan# 197
Delta R.T. 0.00 min
Lab File: VF060625.D
Acq: 7 Nov 2018 12:06

Instrument :
MSVOA_F
ClientSampleId :

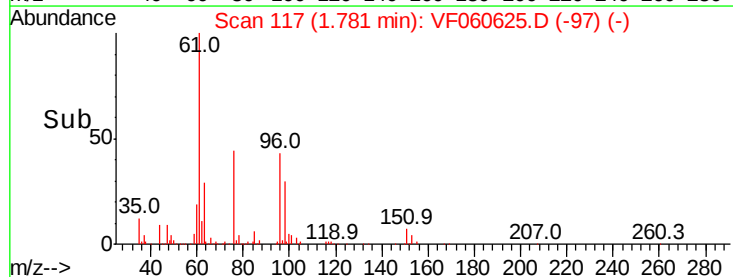
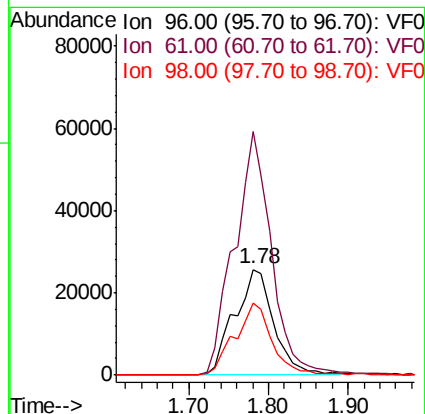
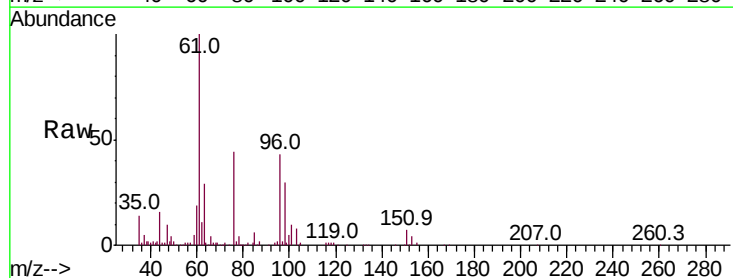
Tot Ion: 59 Resp: 29157
Ion Ratio Lower Upper
59 100
57 14.7 19.0 28.4#

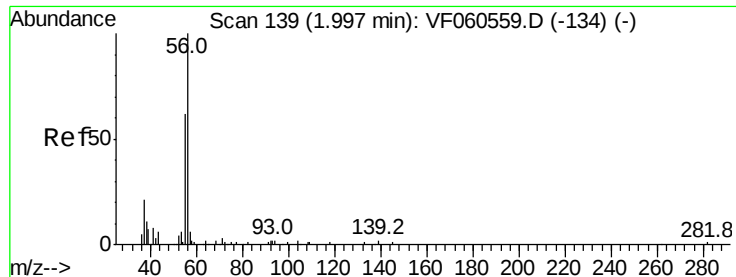


#12

1,1-Dichloroethene
Concen: 48.835 ug/l
RT: 1.78 min Scan# 117
Delta R.T. 0.00 min
Lab File: VF060625.D
Acq: 7 Nov 2018 12:06

Tgt Ion: 96 Resp: 87085
Ion Ratio Lower Upper
96 100
61 230.0 158.1 237.1
98 68.5 47.0 70.6





#13

Acrolein

Concen: 211.147 ug/l

RT: 2.00 min Scan# 139

Delta R.T. 0.00 min

Lab File: VF060625.D

Acq: 7 Nov 2018 12:06

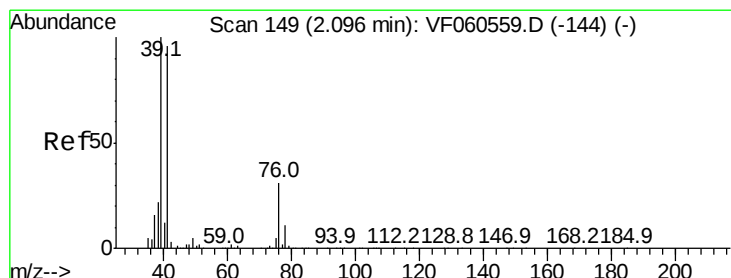
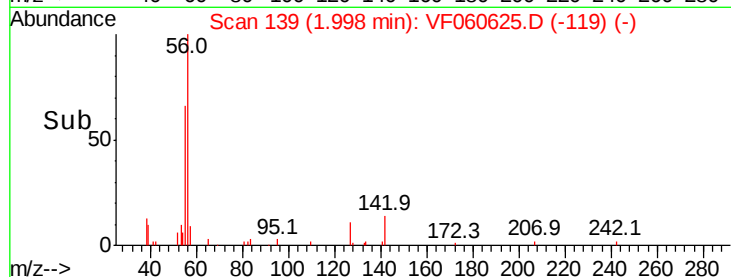
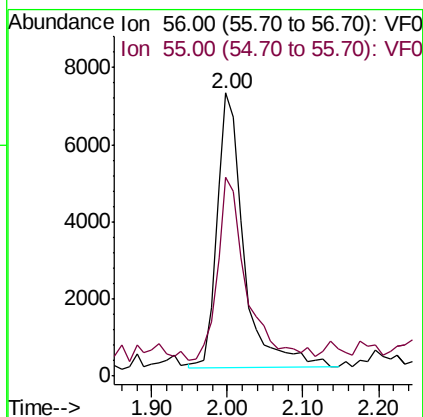
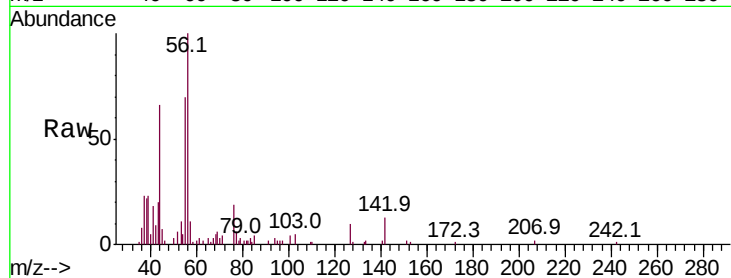
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 56 Resp: 17602

Ion Ratio Lower Upper

56 100

55 70.1 61.8 92.6



#14

Allyl chloride

Concen: 53.336 ug/l

RT: 2.10 min Scan# 149

Delta R.T. 0.00 min

Lab File: VF060625.D

Acq: 7 Nov 2018 12:06

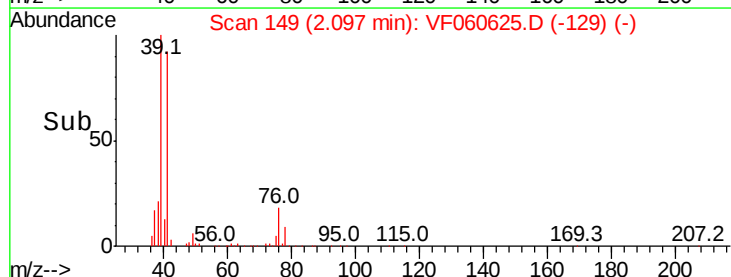
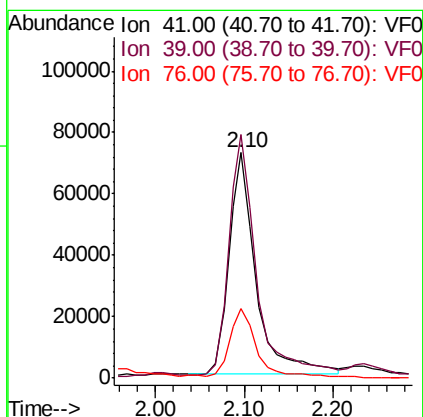
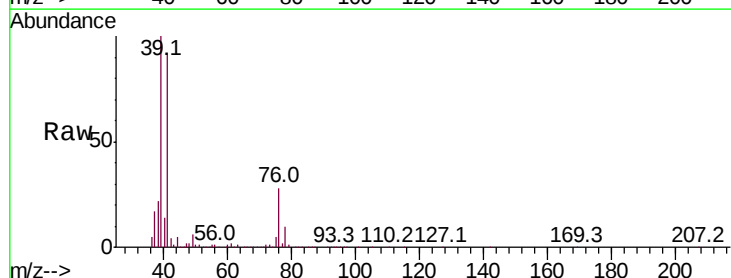
Tgt Ion: 41 Resp: 155303

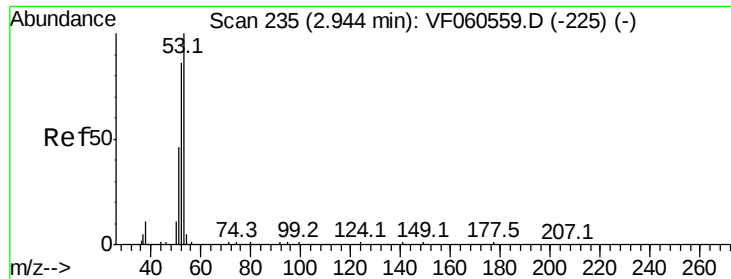
Ion Ratio Lower Upper

41 100

39 108.1 82.6 124.0

76 30.7 26.7 40.1





#15

Acrylonitrile

Concen: 220.066 ug/l

RT: 2.95 min Scan# 235

Delta R.T. 0.00 min

Lab File: VF060625.D

Acq: 7 Nov 2018 12:06

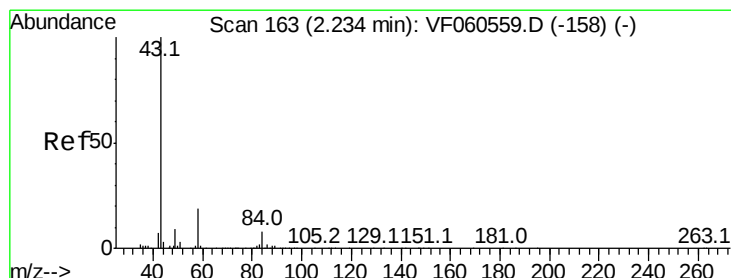
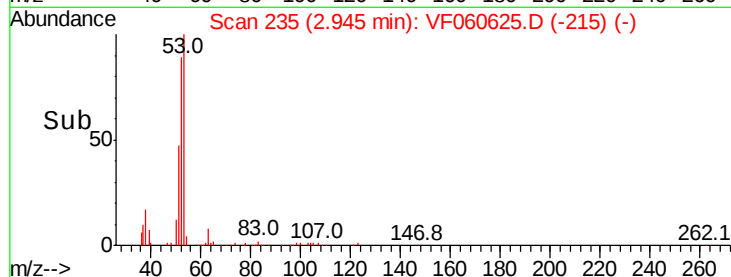
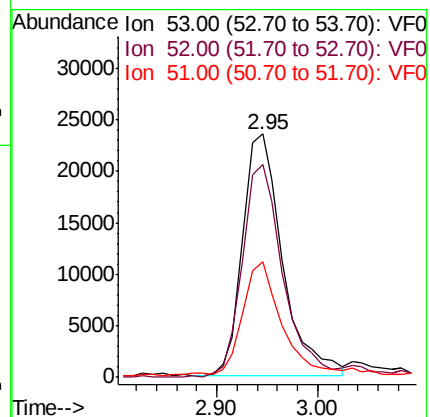
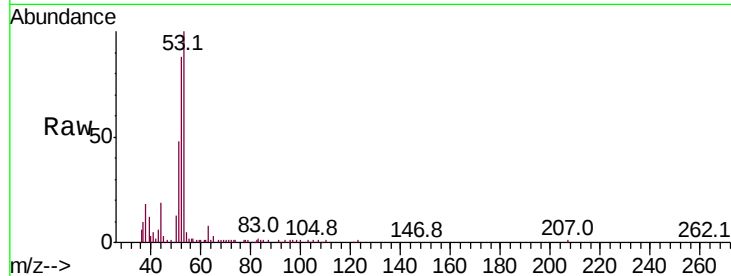
Instrument :

MSVOA_F

ClientSampleId :

Tot Ion: 53 Resp: 65047

Ion	Ratio	Lower	Upper
53	100		
52	87.7	68.5	102.7
51	47.5	38.2	57.2



#16

Acetone

Concen: 260.289 ug/l

RT: 2.24 min Scan# 163

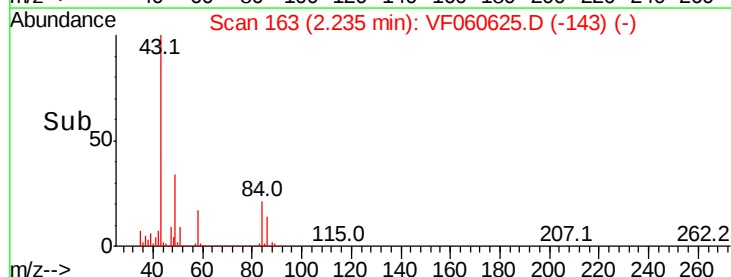
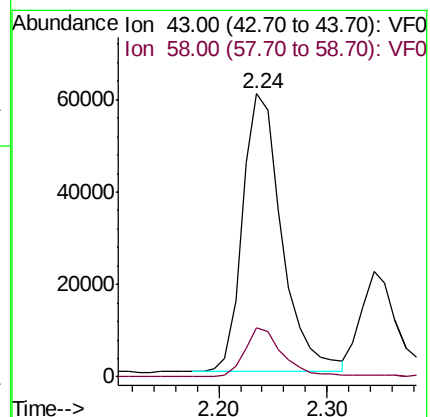
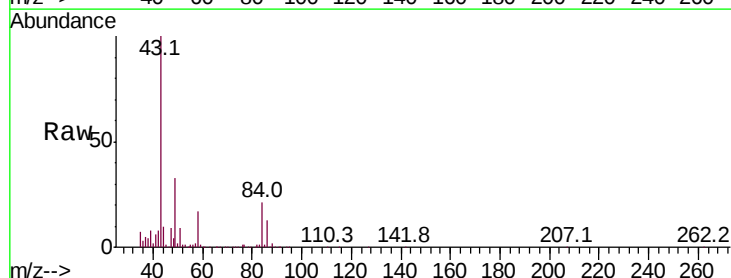
Delta R.T. 0.00 min

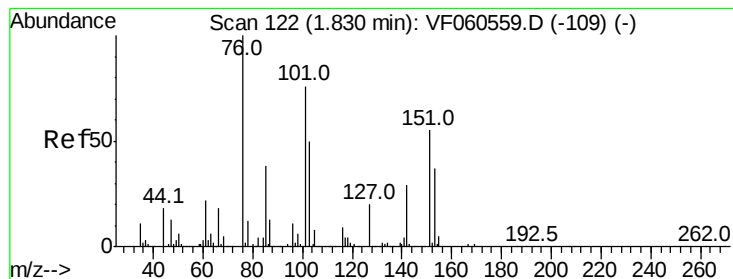
Lab File: VF060625.D

Acq: 7 Nov 2018 12:06

Tgt Ion: 43 Resp: 152117

Ion	Ratio	Lower	Upper
43	100		
58	17.1	14.6	22.0





#17

Carbon Disulfide

Concen: 51.285 ug/l

RT: 1.82 min Scan# 121

Delta R.T. -0.01 min

Lab File: VF060625.D

Acq: 7 Nov 2018 12:06

Instrument :

MSVOA_F

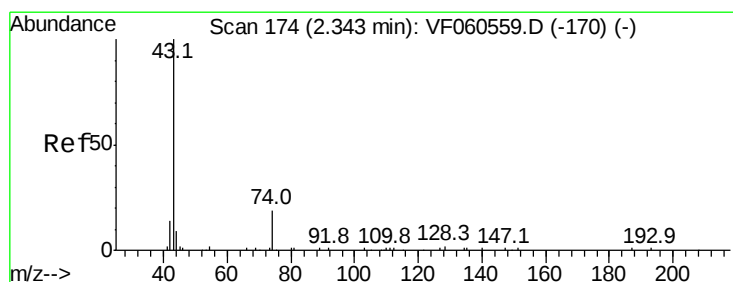
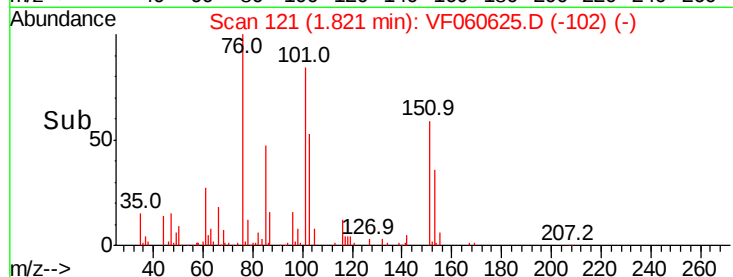
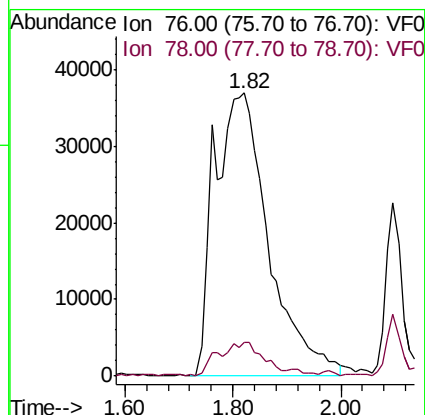
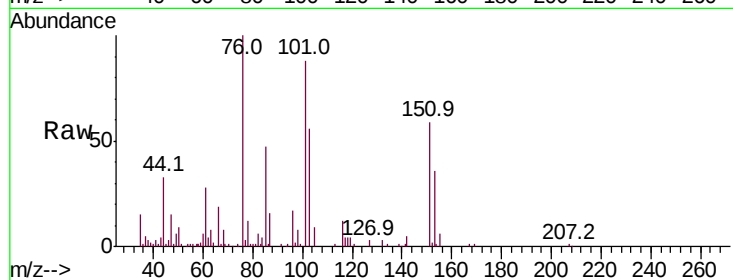
ClientSampleId :

Tot Ion: 76 Resp: 257614

Ion Ratio Lower Upper

76 100

78 12.0 9.9 14.9



#18

Methyl Acetate

Concen: 49.773 ug/l

RT: 2.34 min Scan# 174

Delta R.T. 0.00 min

Lab File: VF060625.D

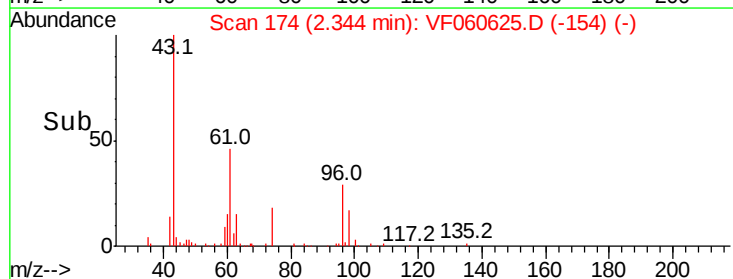
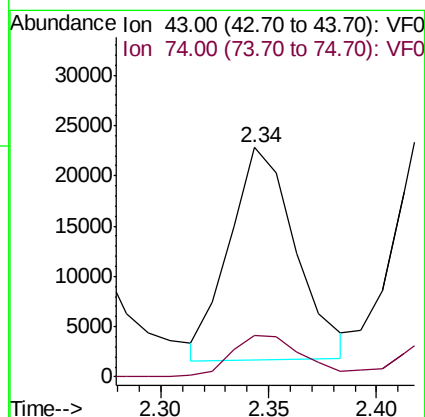
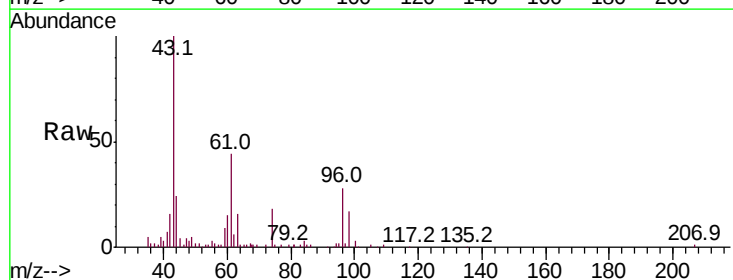
Acq: 7 Nov 2018 12:06

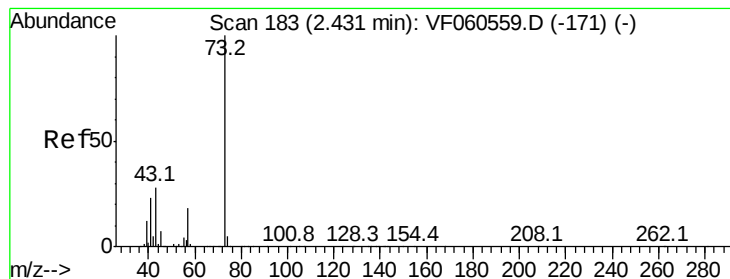
Tgt Ion: 43 Resp: 45181

Ion Ratio Lower Upper

43 100

74 18.1 12.1 18.1



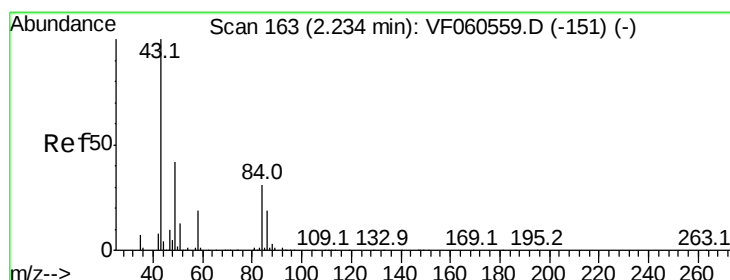
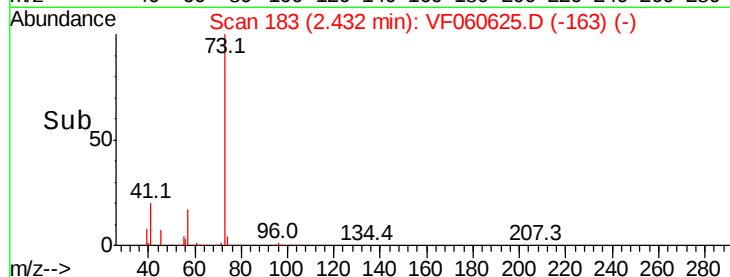
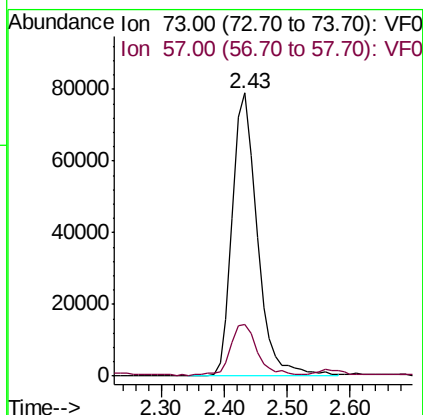
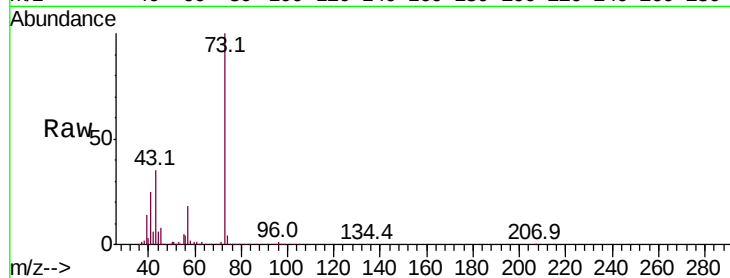


#19

Methyl tert-butyl Ether
 Concen: 52.080 ug/l
 RT: 2.43 min Scan# 183
 Delta R.T. 0.00 min
 Lab File: VF060625.D
 Acq: 7 Nov 2018 12:06

Instrument :
 MSVOA_F
 ClientSampleId :

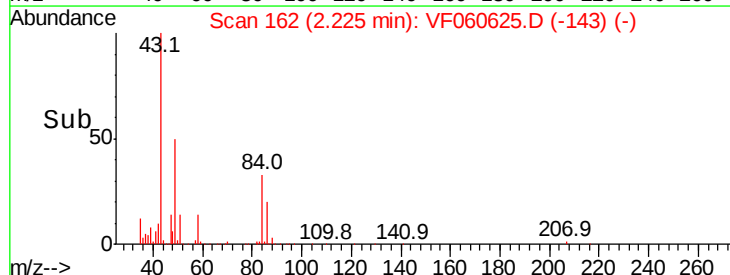
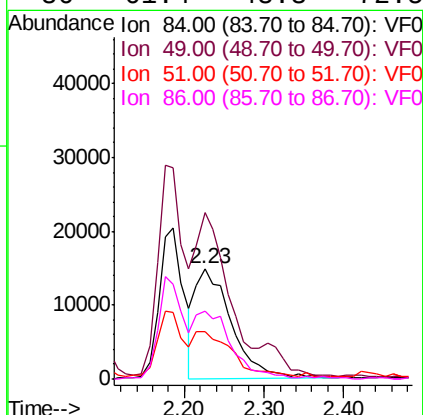
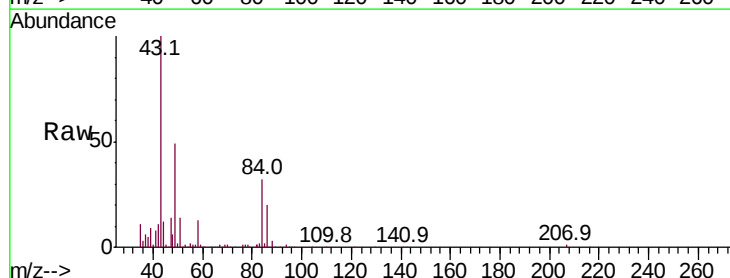
Tot Ion: 73 Resp: 217103
 Ion Ratio Lower Upper
 73 100
 57 18.3 15.4 23.0

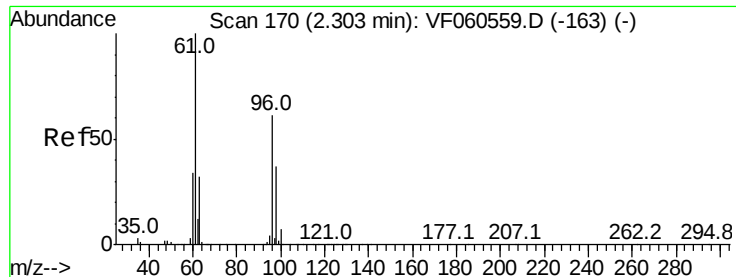


#20

Methylene Chloride
 Concen: 24.230 ug/l
 RT: 2.23 min Scan# 162
 Delta R.T. -0.01 min
 Lab File: VF060625.D
 Acq: 7 Nov 2018 12:06

Tgt Ion: 84 Resp: 46866
 Ion Ratio Lower Upper
 84 100
 49 150.8 109.9 164.9
 51 42.7 35.8 53.8
 86 61.4 48.3 72.5





#21

trans-1,2-Dichloroethene

Concen: 52.359 ug/l

RT: 2.31 min Scan# 171

Delta R.T. 0.01 min

Lab File: VF060625.D

Acq: 7 Nov 2018 12:06

Instrument :
MSVOA_F
ClientSampleId :

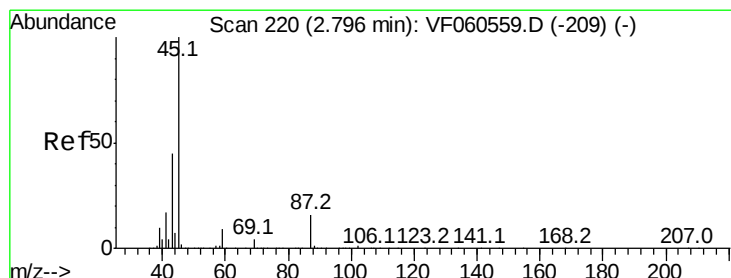
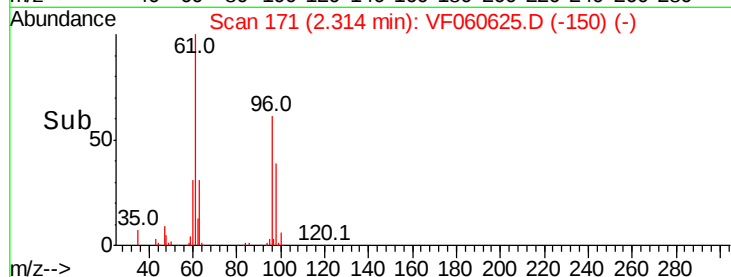
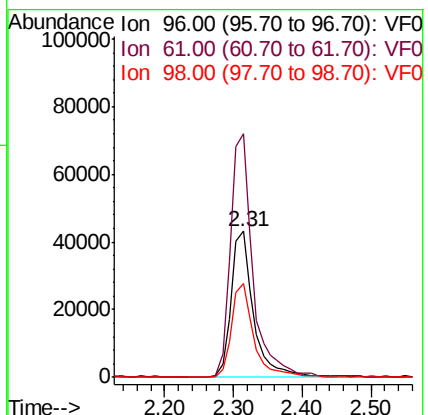
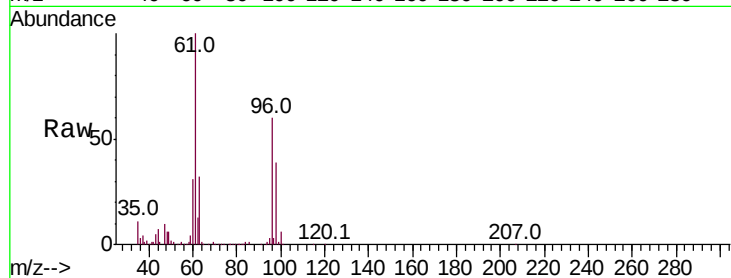
Tot Ion: 96 Resp: 97955

Ion Ratio Lower Upper

96 100

61 166.6 131.3 196.9

98 64.6 48.6 73.0



#22

Diisopropyl ether

Concen: 52.294 ug/l

RT: 2.80 min Scan# 220

Delta R.T. 0.00 min

Lab File: VF060625.D

Acq: 7 Nov 2018 12:06

Tgt Ion: 45 Resp: 322615

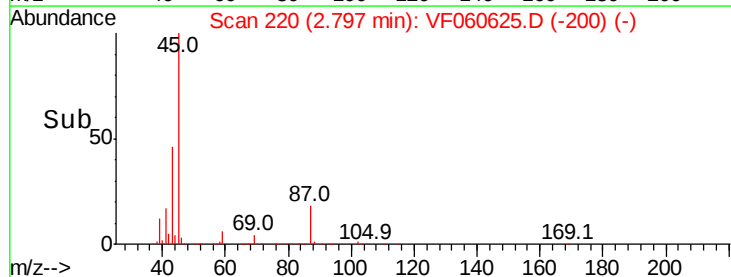
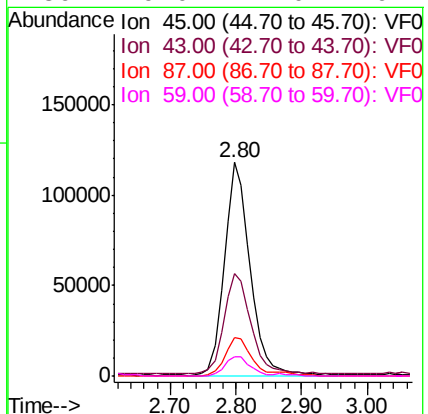
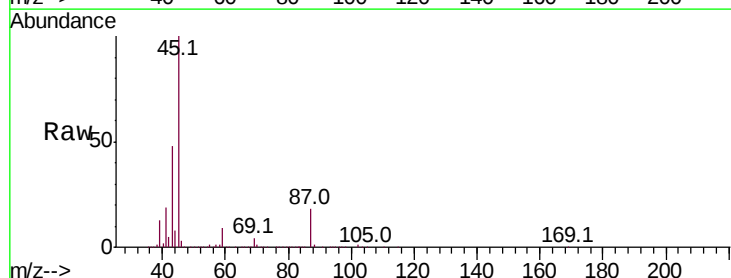
Ion Ratio Lower Upper

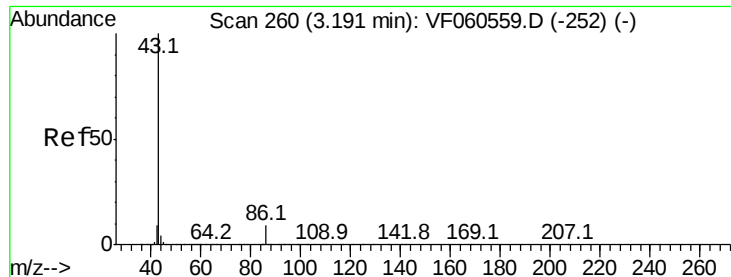
45 100

43 47.8 38.1 57.1

87 18.2 12.7 19.1

59 9.0 7.0 10.4





#23

Vinyl Acetate

Concen: 241.614 ug/l

RT: 3.19 min Scan# 260

Delta R.T. 0.00 min

Lab File: VF060625.D

Acq: 7 Nov 2018 12:06

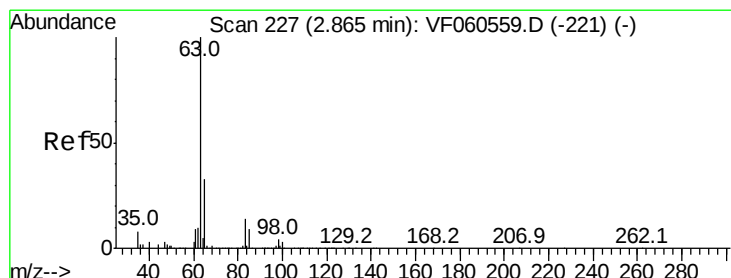
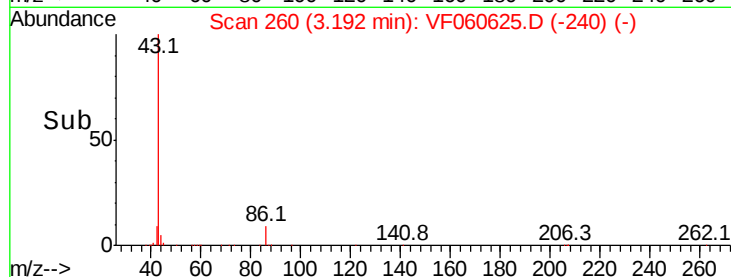
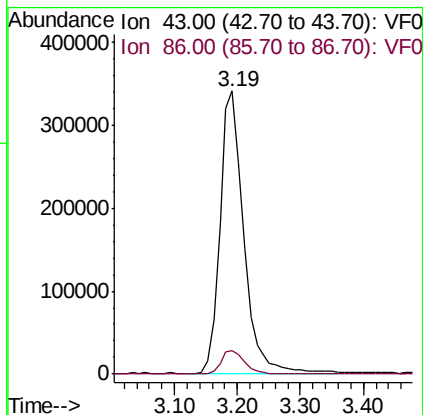
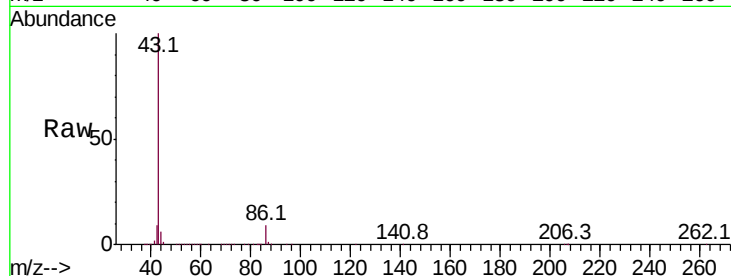
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 895577

Ion Ratio Lower Upper

43 100

86 8.5 7.1 10.7



#24

1,1-Dichloroethane

Concen: 52.810 ug/l

RT: 2.88 min Scan# 228

Delta R.T. 0.01 min

Lab File: VF060625.D

Acq: 7 Nov 2018 12:06

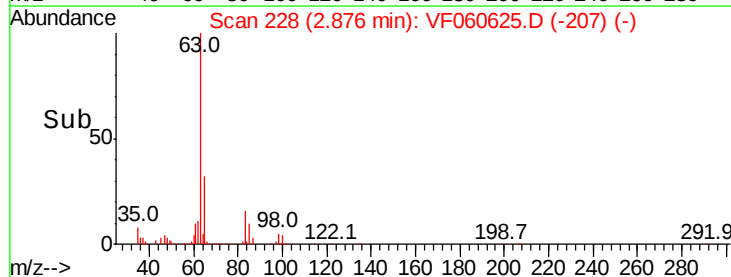
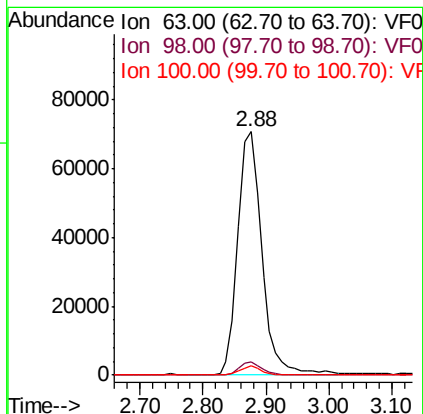
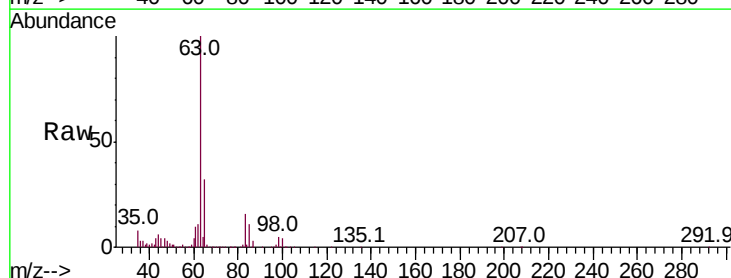
Tgt Ion: 63 Resp: 188549

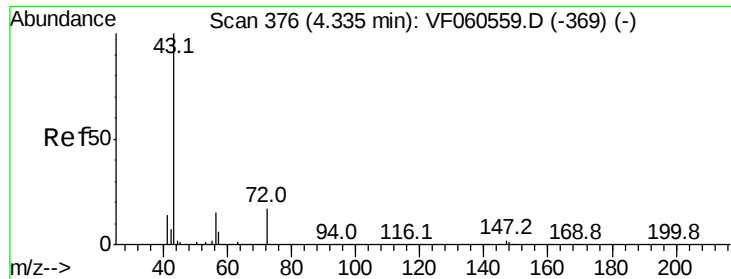
Ion Ratio Lower Upper

63 100

98 5.3 2.2 6.6

100 3.7 1.4 4.0





#25

2-Butanone

Concen: 288.620 ug/l

RT: 4.34 min Scan# 376

Delta R.T. 0.00 min

Lab File: VF060625.D

Acq: 7 Nov 2018 12:06

Instrument :

MSVOA_F

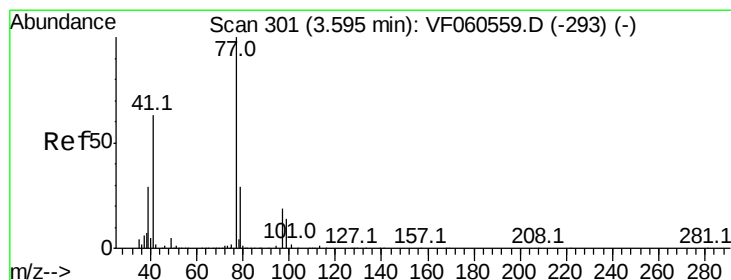
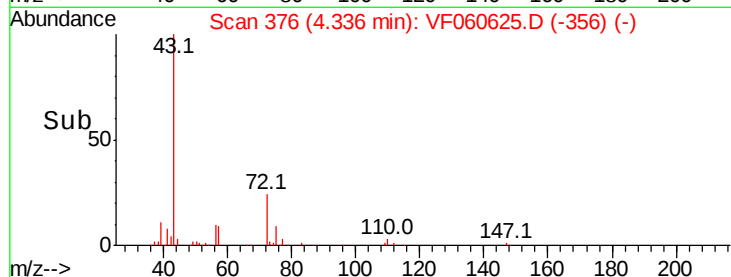
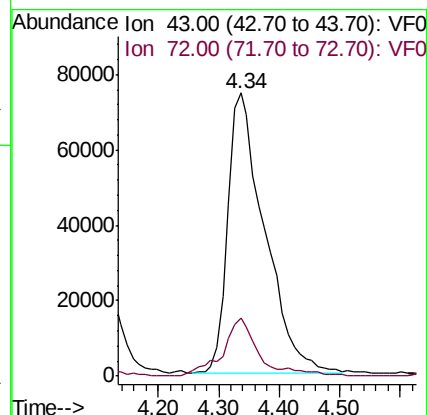
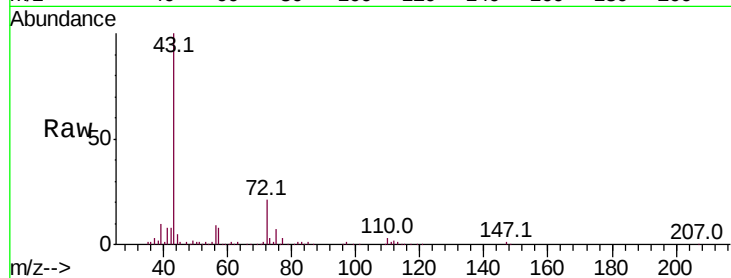
ClientSampleId :

Tot Ion: 43 Resp: 311802

Ion Ratio Lower Upper

43 100

72 20.7 16.2 24.2



#26

2,2-Dichloropropane

Concen: 57.374 ug/l

RT: 3.60 min Scan# 301

Delta R.T. 0.00 min

Lab File: VF060625.D

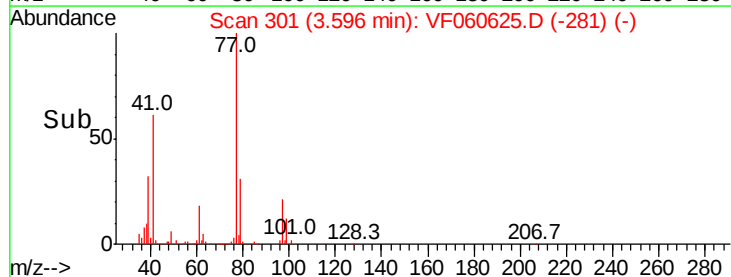
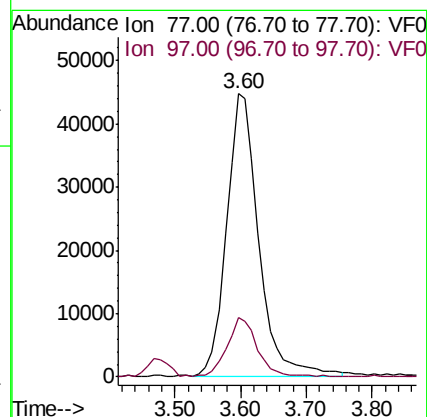
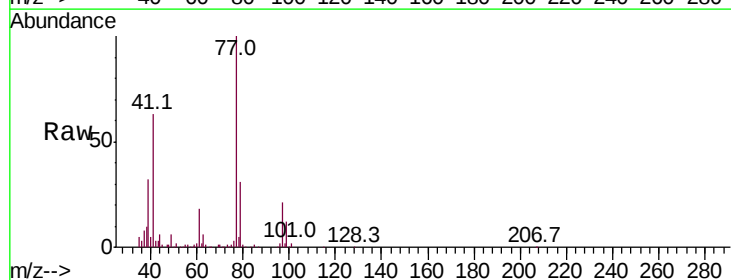
Acq: 7 Nov 2018 12:06

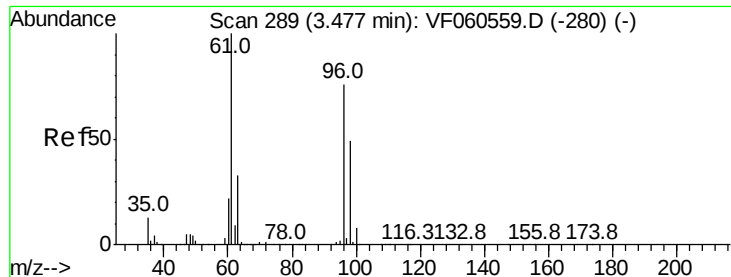
Tgt Ion: 77 Resp: 153274

Ion Ratio Lower Upper

77 100

97 21.1 9.8 29.3



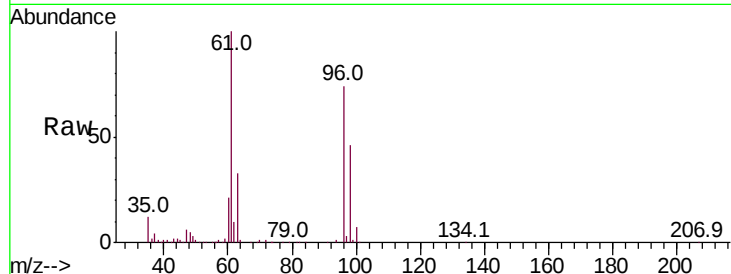


#27

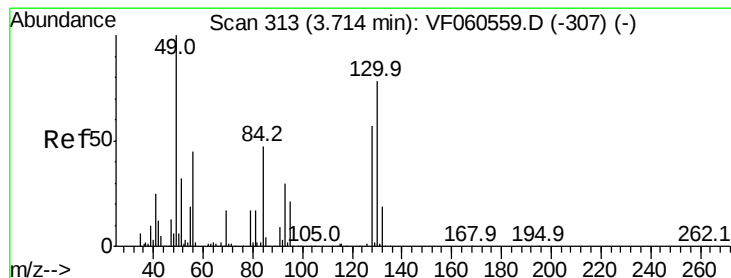
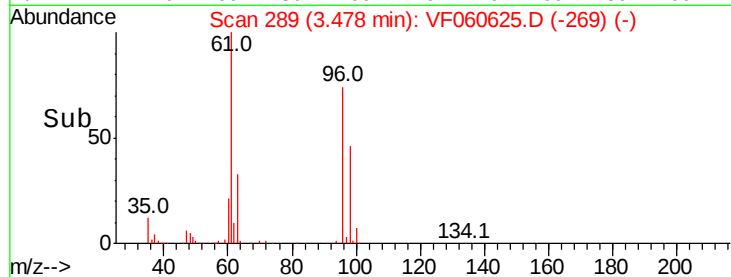
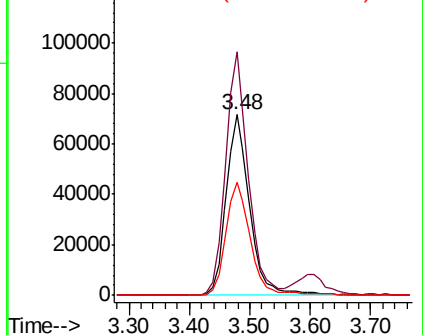
cis-1,2-Dichloroethene
Concen: 54.212 ug/l
RT: 3.48 min Scan# 289
Delta R.T. 0.00 min
Lab File: VF060625.D
Acq: 7 Nov 2018 12:06

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 96 Resp: 193614
Ion Ratio Lower Upper
96 100
61 134.8 0.0 263.0
98 62.3 0.0 130.6



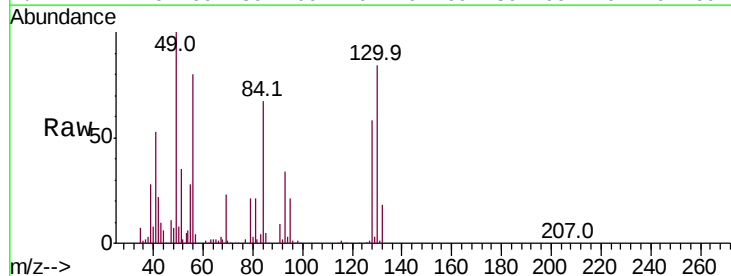
Abundance Ion 96.00 (95.70 to 96.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 98.00 (97.70 to 98.70): VF0



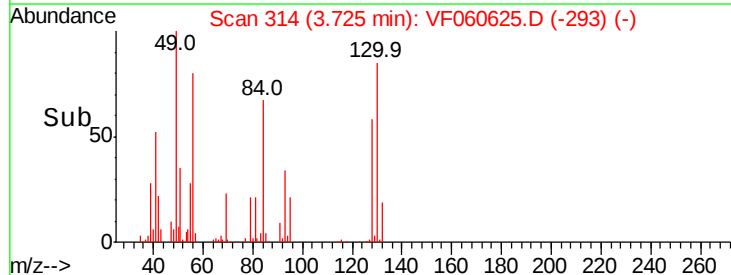
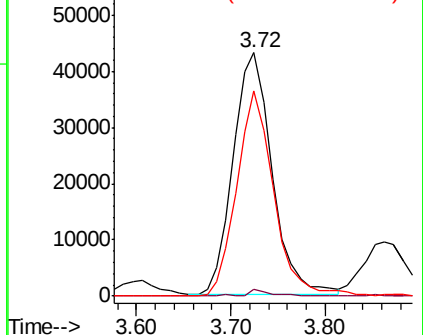
#28

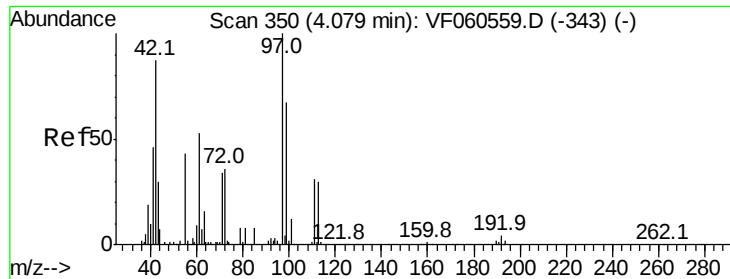
Bromochloromethane
Concen: 54.917 ug/l
RT: 3.72 min Scan# 314
Delta R.T. 0.01 min
Lab File: VF060625.D
Acq: 7 Nov 2018 12:06

Tgt Ion: 49 Resp: 123047
Ion Ratio Lower Upper
49 100
129 3.1 0.0 4.6
130 84.4 61.8 92.8



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: 264.131 ug/l

RT: 4.08 min Scan# 350

Delta R.T. 0.00 min

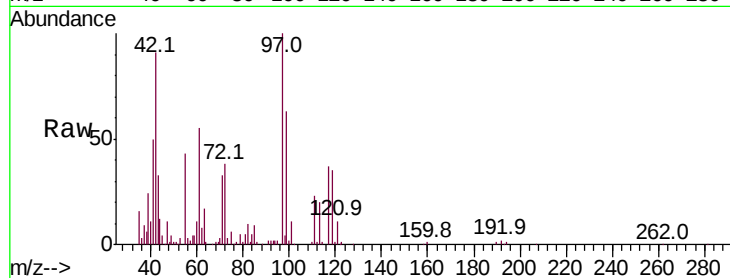
Lab File: VF060625.D

Acq: 7 Nov 2018 12:06

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 42 Resp: 113942

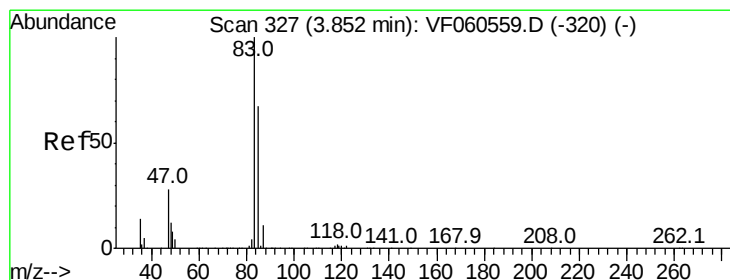
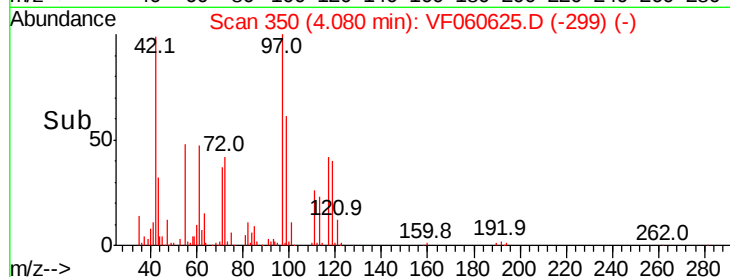
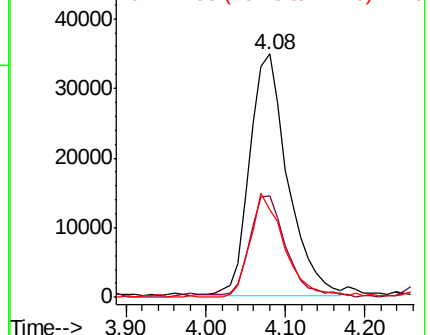
Ion	Ratio	Lower	Upper
42	100		
72	40.8	31.4	47.0
71	40.1	31.8	47.6



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 56.016 ug/l

RT: 3.86 min Scan# 328

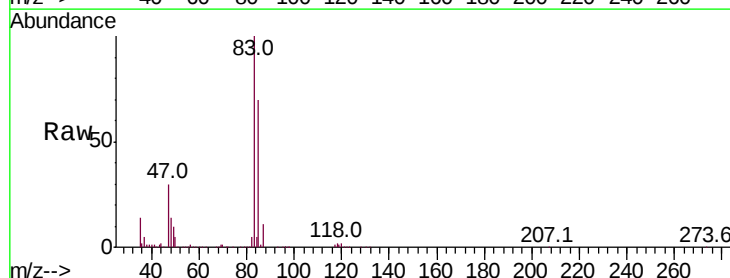
Delta R.T. 0.01 min

Lab File: VF060625.D

Acq: 7 Nov 2018 12:06

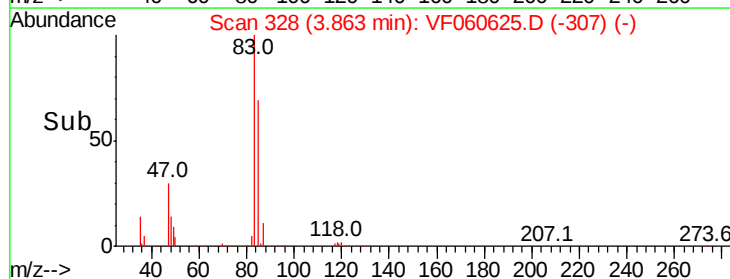
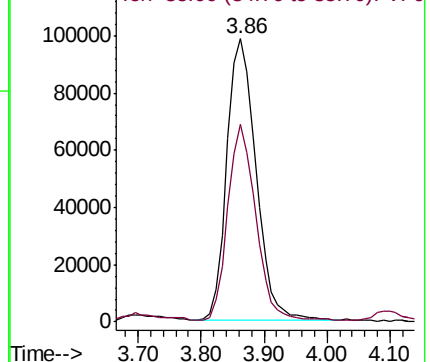
Tgt Ion: 83 Resp: 316412

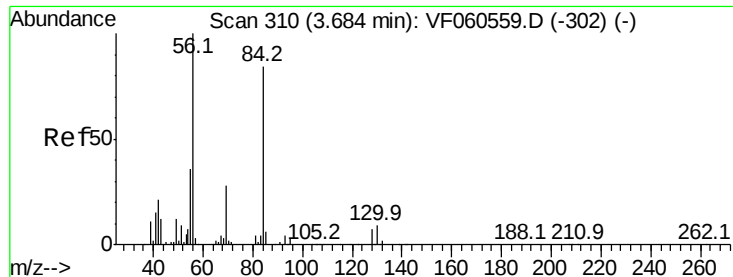
Ion	Ratio	Lower	Upper
83	100		
85	69.7	53.7	80.5



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

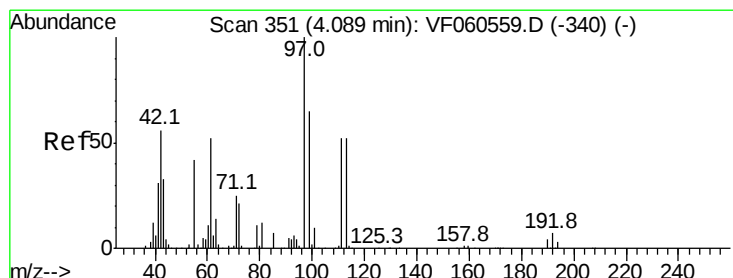
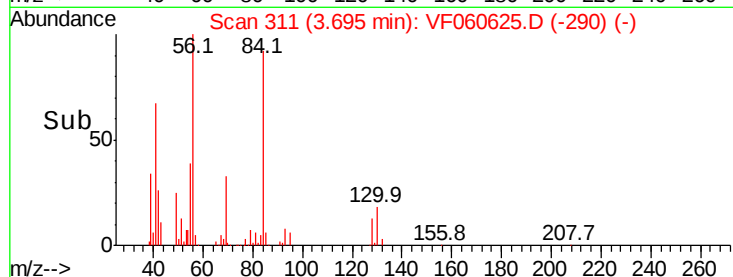
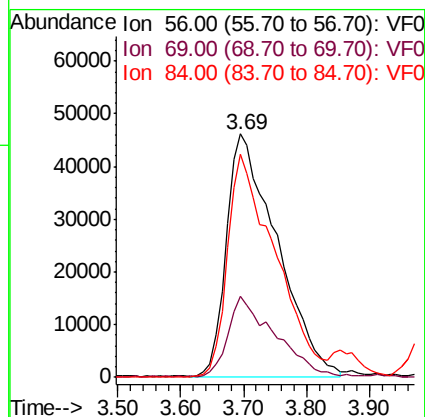
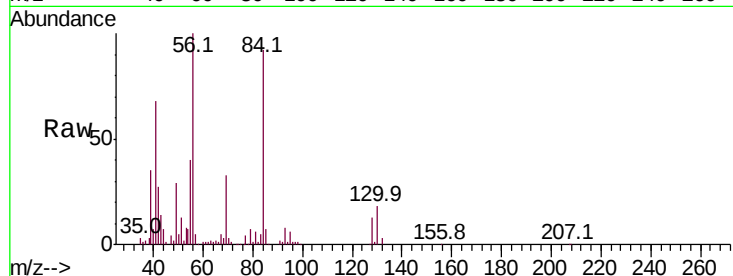




#31
Cyclohexane
Concen: 51.633 ug/l
RT: 3.69 min Scan# 311
Delta R.T. 0.01 min
Lab File: VF060625.D
Acq: 7 Nov 2018 12:06

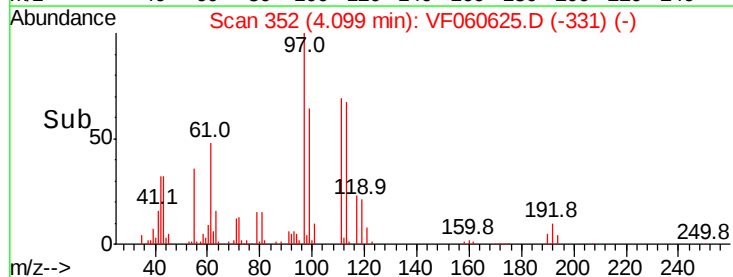
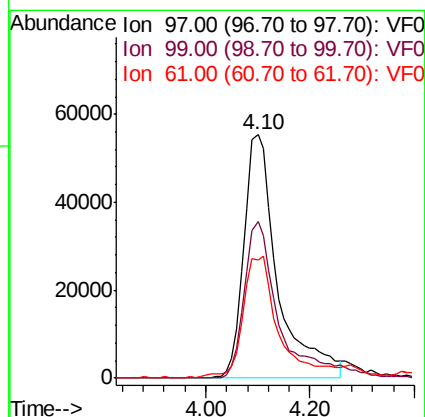
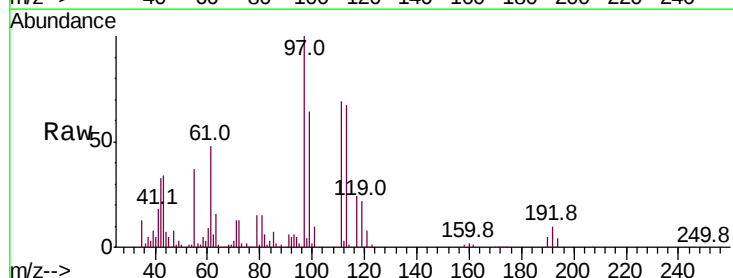
Instrument :
MSVOA_F
ClientSampled :

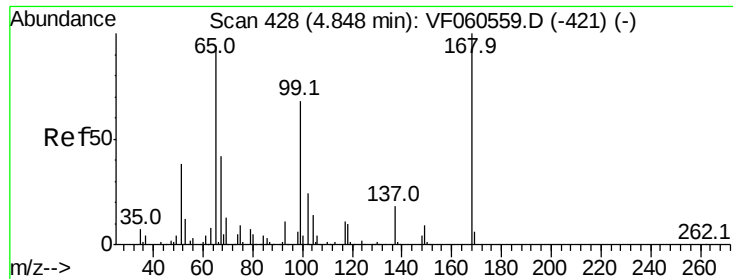
Tot Ion: 56 Resp: 254397
Ion Ratio Lower Upper
56 100
69 33.1 23.0 34.4
84 91.8 67.1 100.7



#32
1,1,1-Trichloroethane
Concen: 62.041 ug/l
RT: 4.10 min Scan# 352
Delta R.T. 0.01 min
Lab File: VF060625.D
Acq: 7 Nov 2018 12:06

Tgt Ion: 97 Resp: 244759
Ion Ratio Lower Upper
97 100
99 64.1 52.4 78.6
61 48.3 41.5 62.3





#33

1,2-Dichloroethane-d4

Concen: 56.286 ug/l

RT: 4.85 min Scan# 428

Delta R.T. 0.00 min

Lab File: VF060625.D

Acq: 7 Nov 2018 12:06

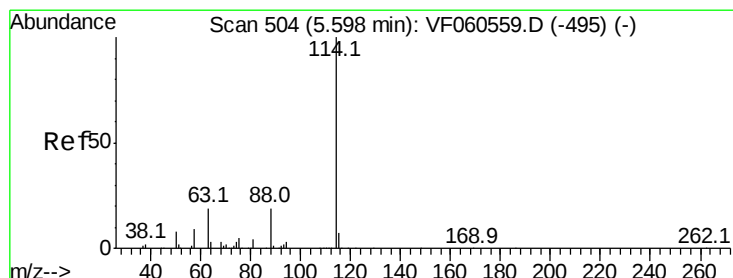
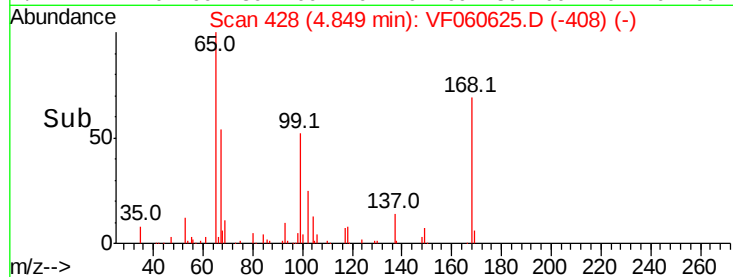
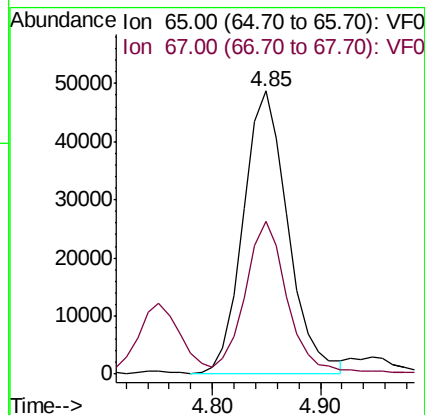
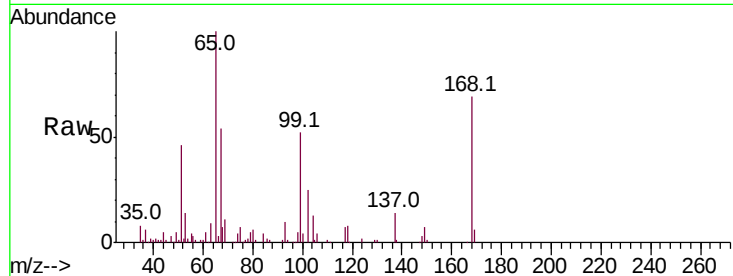
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 65 Resp: 139598

Ion Ratio Lower Upper

65 100

67 54.0 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.61 min Scan# 505

Delta R.T. 0.01 min

Lab File: VF060625.D

Acq: 7 Nov 2018 12:06

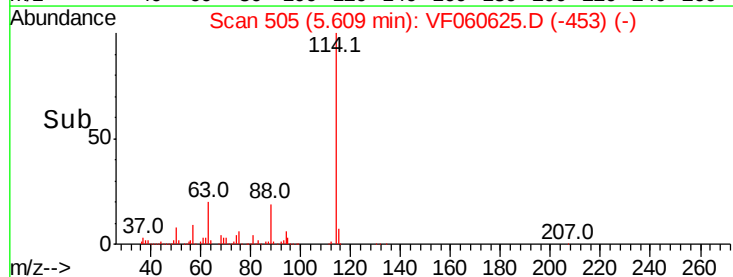
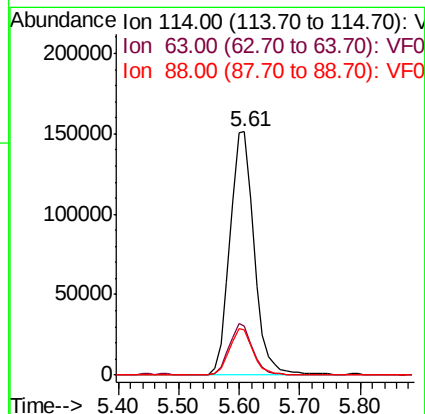
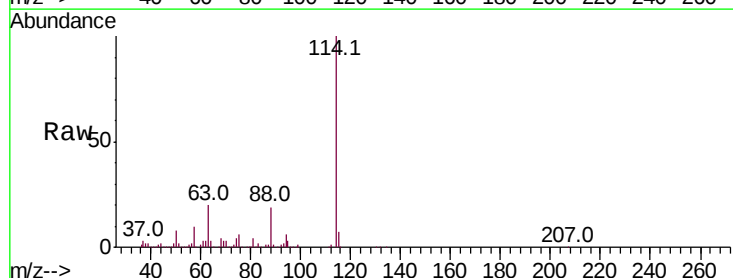
Tgt Ion: 114 Resp: 424585

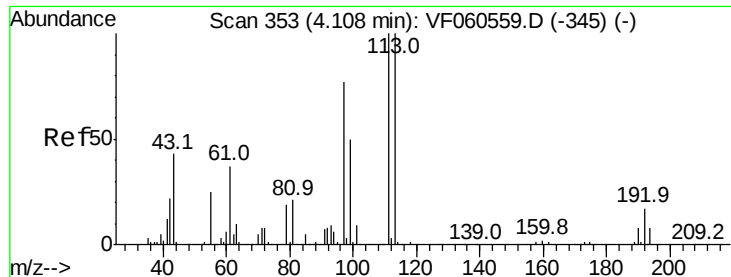
Ion Ratio Lower Upper

114 100

63 19.9 0.0 39.0

88 18.7 0.0 38.2

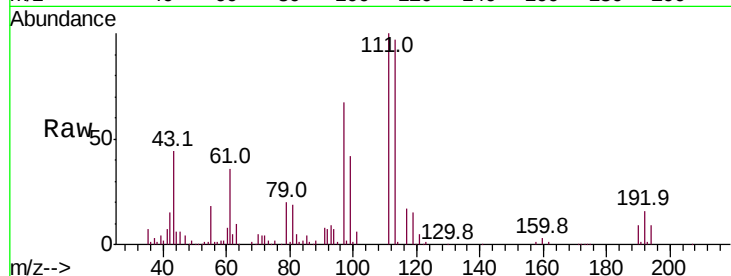




#35
Dibromofluoromethane
Concen: 55.218 ug/l
RT: 4.12 min Scan# 354
Delta R.T. 0.01 min
Lab File: VF060625.D
Acq: 7 Nov 2018 12:06

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.1	79.9	119.9
192	16.4	13.3	19.9

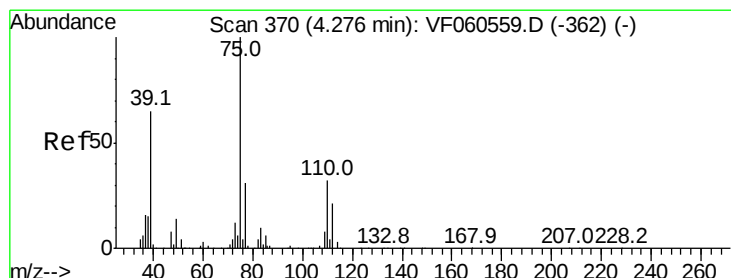
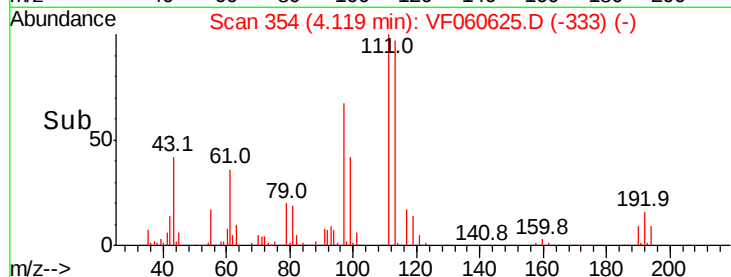
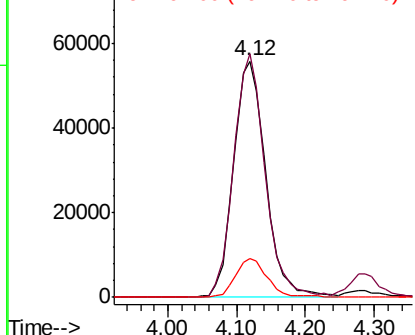


Abundance

Ion 113.00 (112.70 to 113.70): V

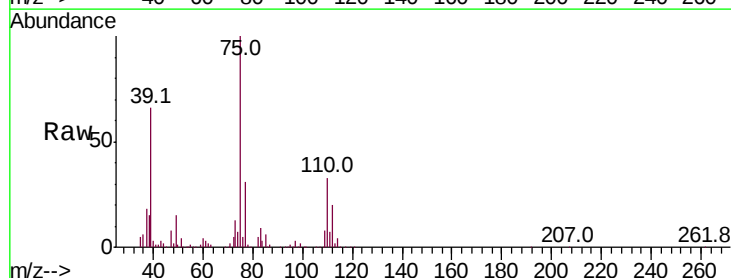
Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36
1,1-Dichloropropene
Concen: 56.280 ug/l
RT: 4.29 min Scan# 371
Delta R.T. 0.01 min
Lab File: VF060625.D
Acq: 7 Nov 2018 12:06

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.8	16.2	48.6
77	31.1	25.0	37.6

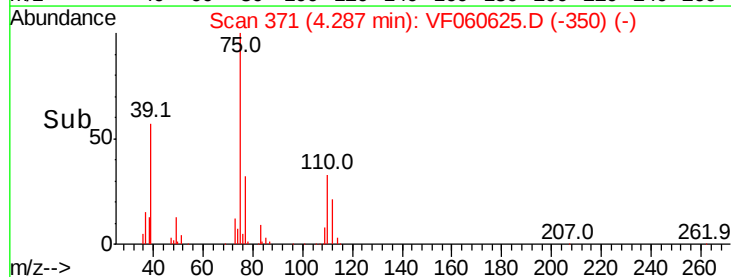
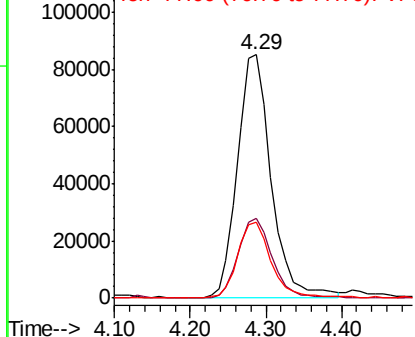


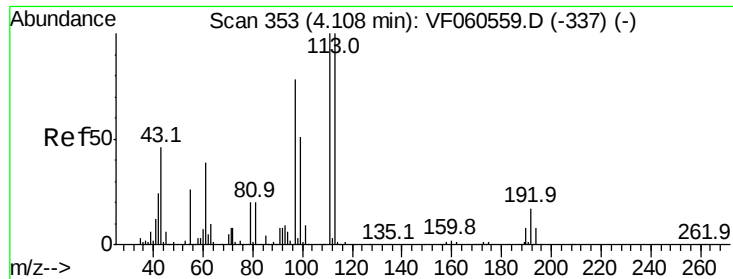
Abundance

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: 44.579 ug/l

RT: 4.11 min Scan# 353

Delta R.T. 0.00 min

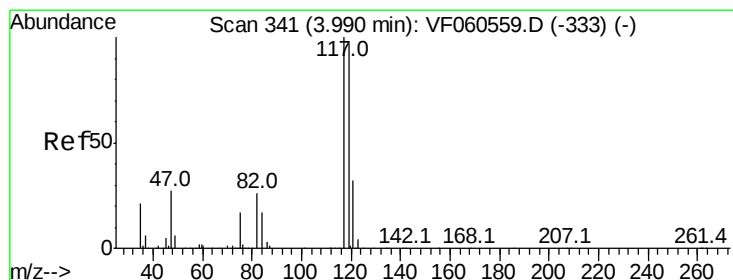
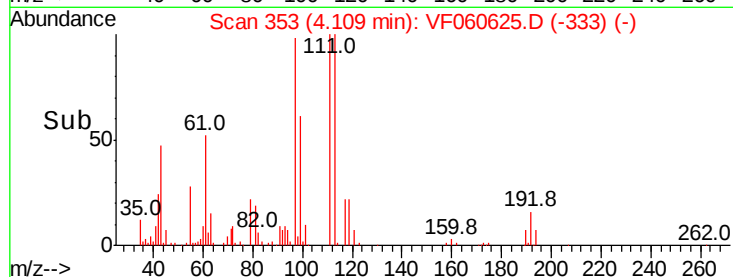
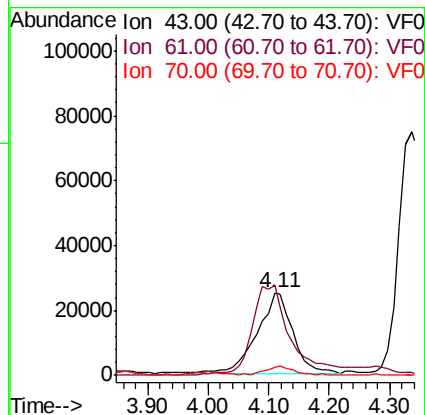
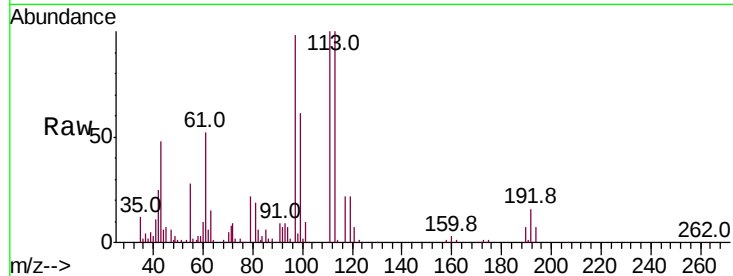
Lab File: VF060625.D

Acq: 7 Nov 2018 12:06

Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 100043

Ion	Ratio	Lower	Upper
43	100		
61	108.4	63.4	95.2#
70	9.4	9.3	13.9



#38

Carbon Tetrachloride

Concen: 53.015 ug/l

RT: 3.99 min Scan# 341

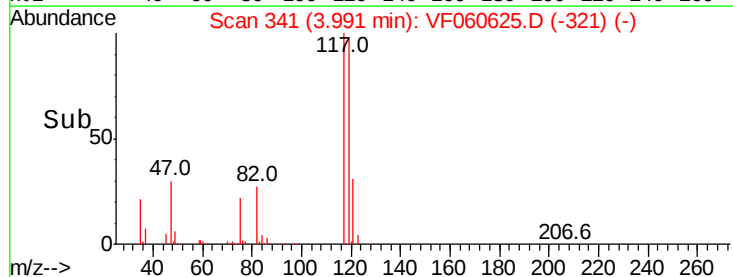
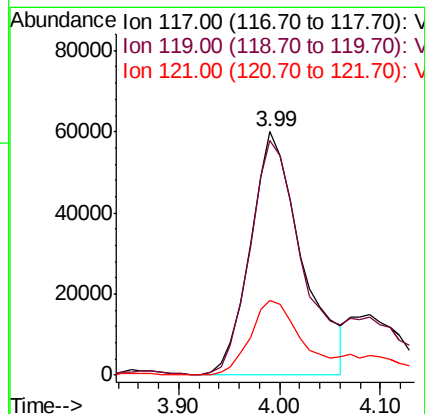
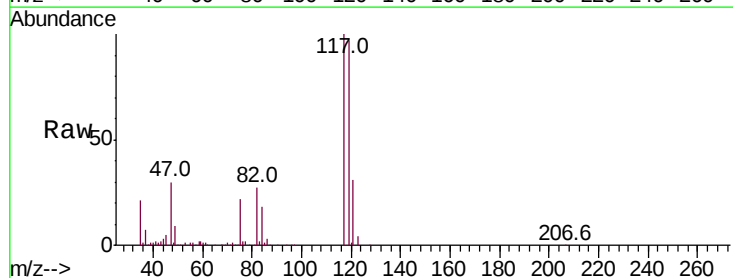
Delta R.T. 0.00 min

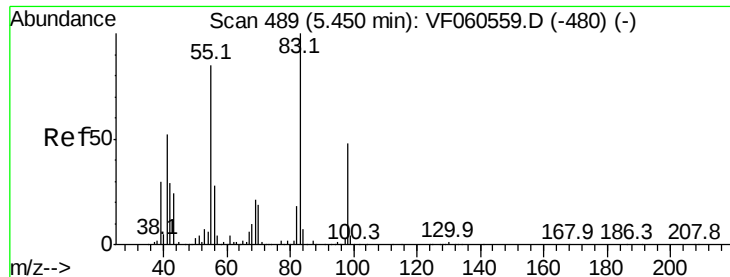
Lab File: VF060625.D

Acq: 7 Nov 2018 12:06

Tgt Ion:117 Resp: 211782

Ion	Ratio	Lower	Upper
117	100		
119	96.6	77.8	116.6
121	30.9	25.6	38.4

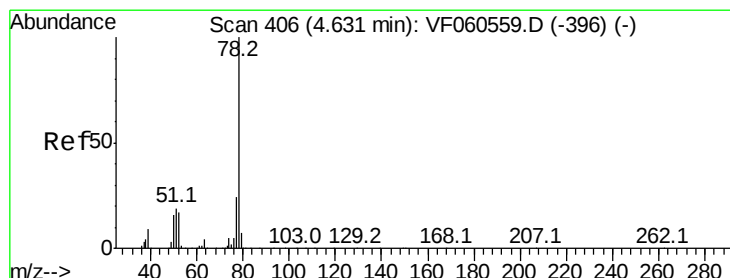
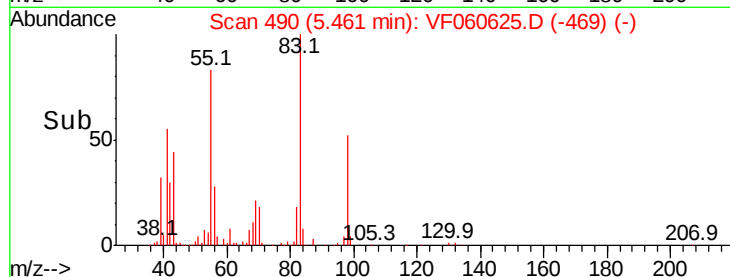
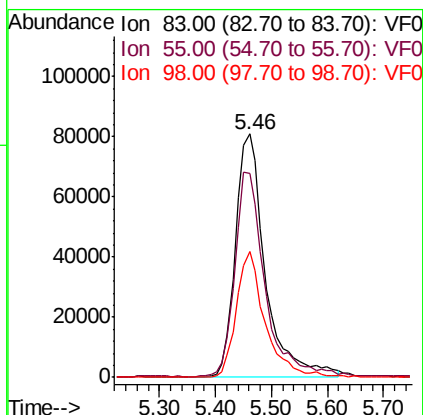
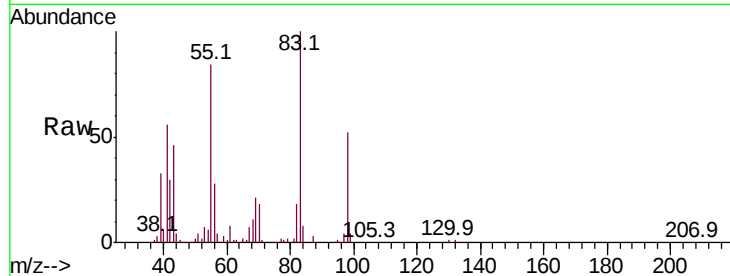




#39
Methvlcvclohexane
Concen: 52.817 ug/l
RT: 5.46 min Scan# 490
Delta R.T. 0.01 min
Lab File: VF060625.D
Acq: 7 Nov 2018 12:06

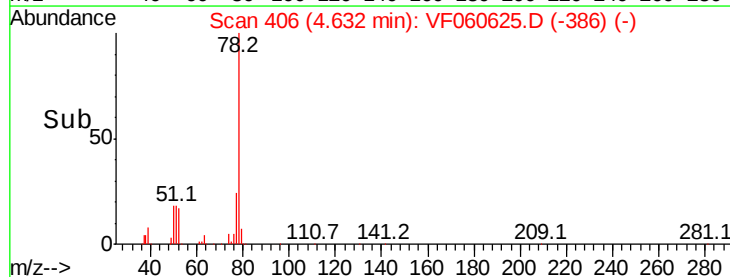
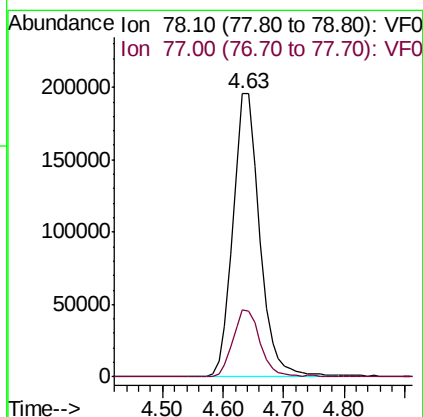
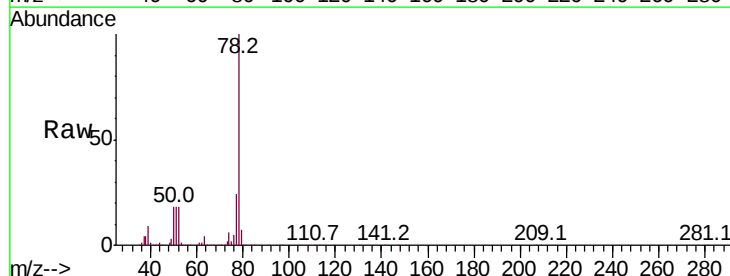
Instrument :
MSVOA_F
ClientSampleId :

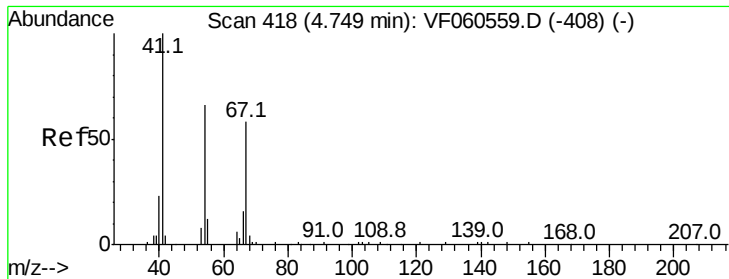
Tot Ion: 83 Resp: 301322
Ion Ratio Lower Upper
83 100
55 83.7 69.1 103.7
98 51.5 38.6 57.8



#40
Benzene
Concen: 53.380 ug/l
RT: 4.63 min Scan# 406
Delta R.T. 0.00 min
Lab File: VF060625.D
Acq: 7 Nov 2018 12:06

Tgt Ion: 78 Resp: 605752
Ion Ratio Lower Upper
78 100
77 23.8 19.3 28.9

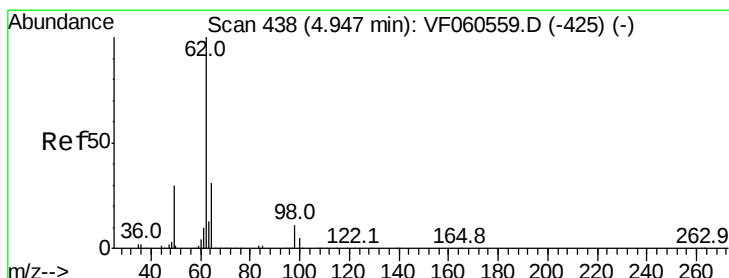
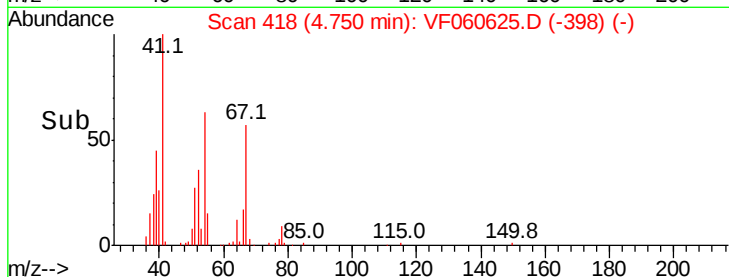
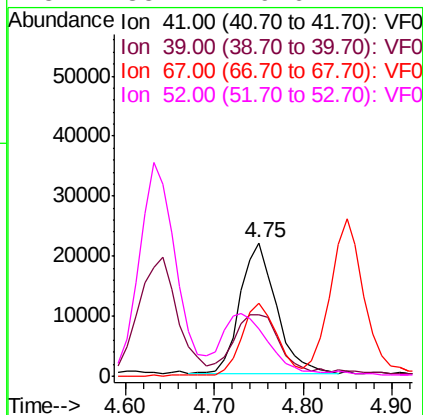
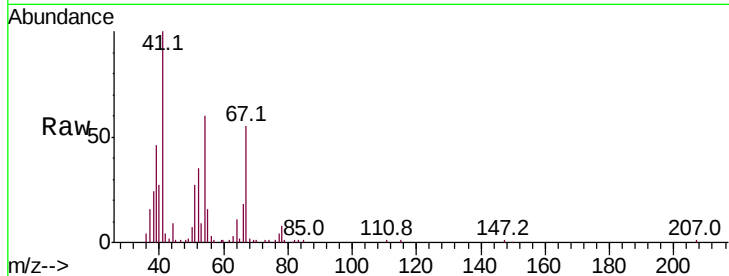




#41
Methacrylonitrile
Concen: 48.808 ug/l
RT: 4.75 min Scan# 418
Delta R.T. 0.00 min
Lab File: VF060625.D
Acq: 7 Nov 2018 12:06

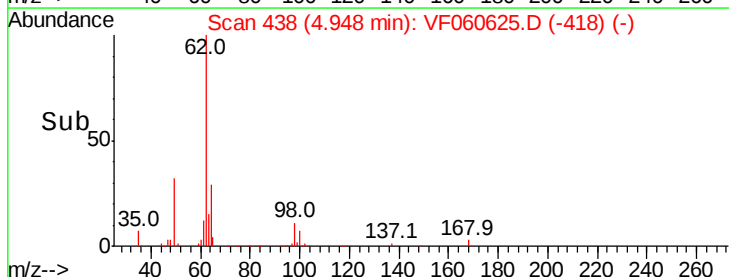
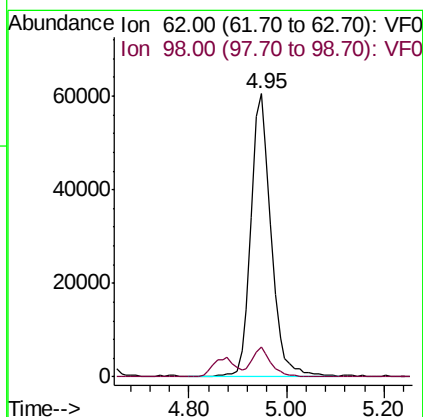
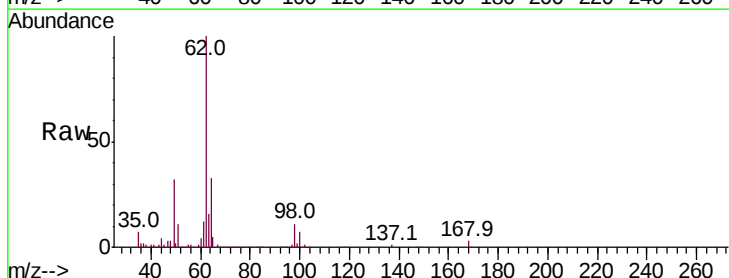
Instrument :
MSVOA_F
ClientSampleId :

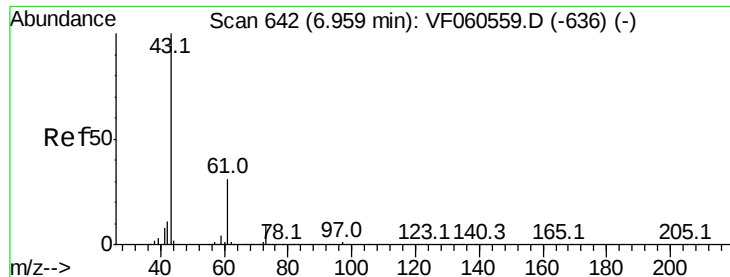
Tot Ion:	41	Resp:	62029
Ion	Ratio	Lower	Upper
41	100		
39	46.2	45.6	68.4
67	55.1	45.3	67.9
52	35.4	29.6	44.4



#42
1,2-Dichloroethane
Concen: 53.904 ug/l
RT: 4.95 min Scan# 438
Delta R.T. 0.00 min
Lab File: VF060625.D
Acq: 7 Nov 2018 12:06

Tgt Ion:	62	Resp:	175561
Ion	Ratio	Lower	Upper
62	100		
98	10.6	0.0	22.4



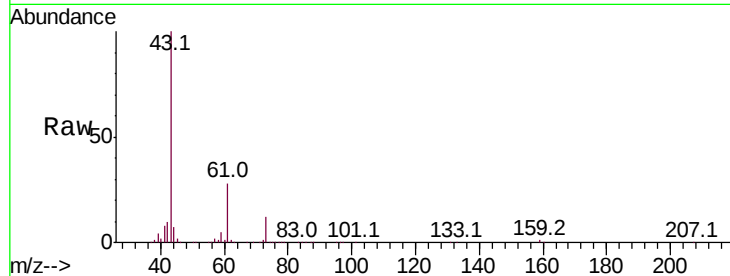


#43

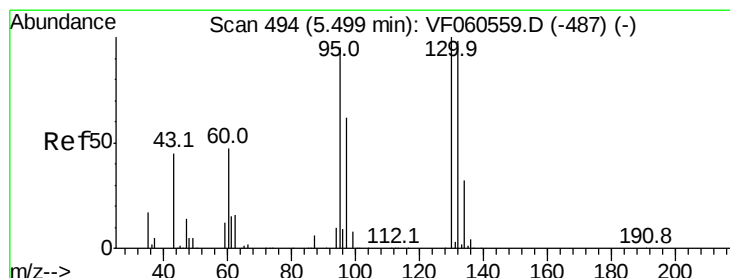
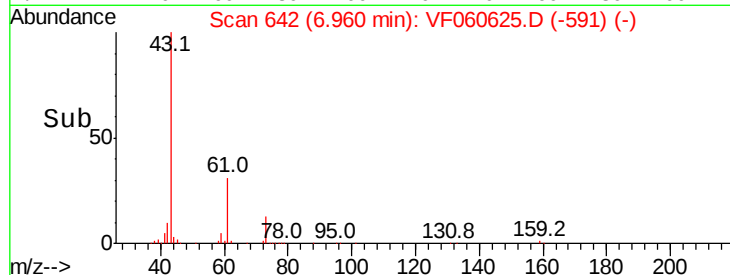
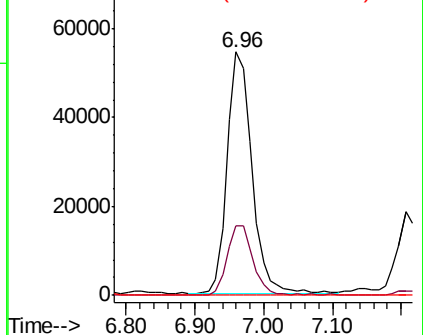
Isopropyl Acetate
 Concen: 48.172 ug/l
 RT: 6.96 min Scan# 642
 Delta R.T. 0.00 min
 Lab File: VF060625.D
 Acq: 7 Nov 2018 12:06

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion: 43 Resp: 136745
 Ion Ratio Lower Upper
 43 100
 61 28.4 24.2 36.2
 87 0.4 0.2 0.4#



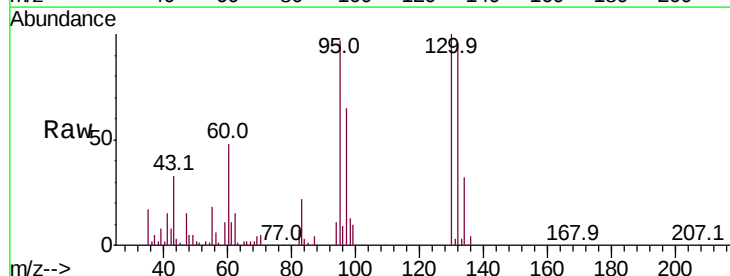
Abundance Ion 43.00 (42.70 to 43.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 87.00 (86.70 to 87.70): VF0



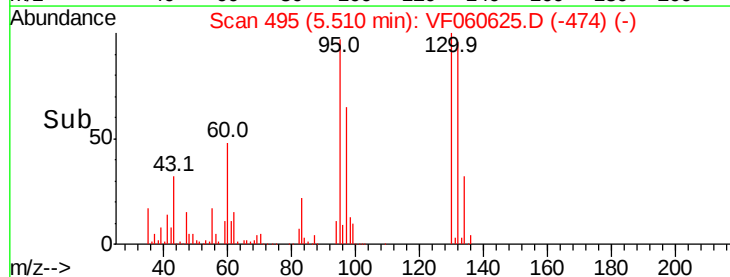
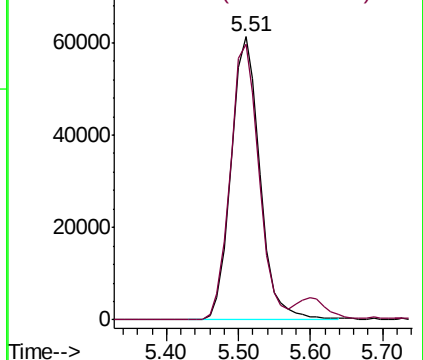
#44

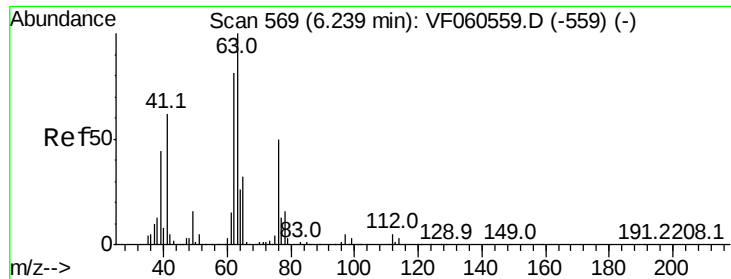
Trichloroethene
 Concen: 50.115 ug/l
 RT: 5.51 min Scan# 495
 Delta R.T. 0.01 min
 Lab File: VF060625.D
 Acq: 7 Nov 2018 12:06

Tgt Ion:130 Resp: 170913
 Ion Ratio Lower Upper
 130 100
 95 97.5 0.0 191.0



Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 54.795 ug/l

RT: 6.24 min Scan# 569

Delta R.T. 0.00 min

Lab File: VF060625.D

Acq: 7 Nov 2018 12:06

Instrument :

MSVOA_F

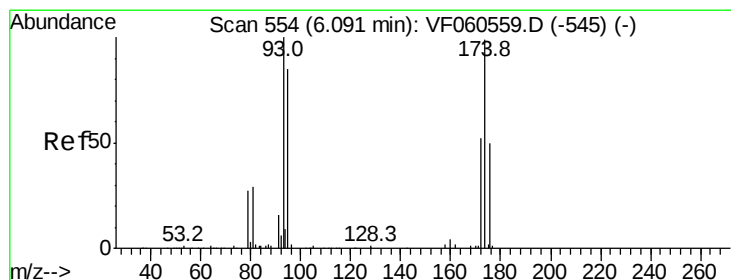
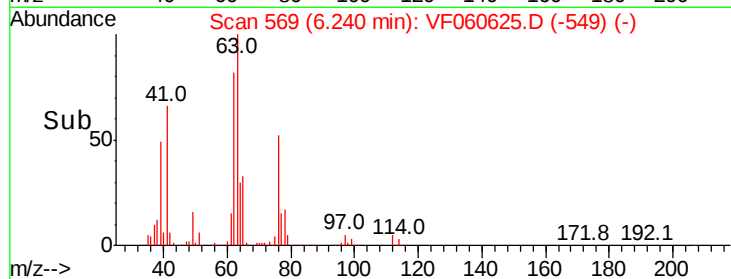
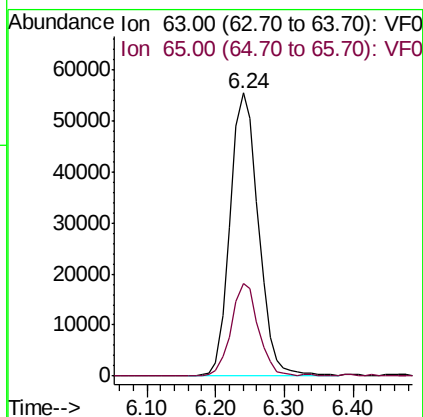
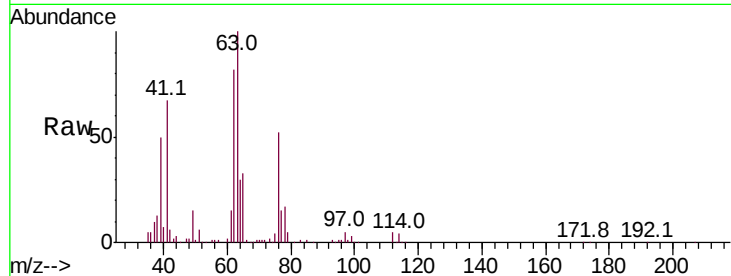
ClientSampleId :

Tot Ion: 63 Resp: 159028

Ion Ratio Lower Upper

63 100

65 32.9 25.4 38.0



#46

Dibromomethane

Concen: 54.025 ug/l

RT: 6.09 min Scan# 554

Delta R.T. 0.00 min

Lab File: VF060625.D

Acq: 7 Nov 2018 12:06

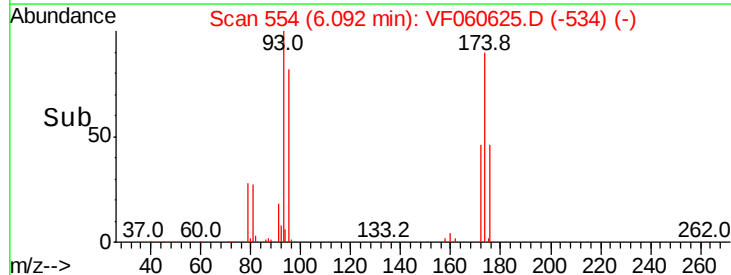
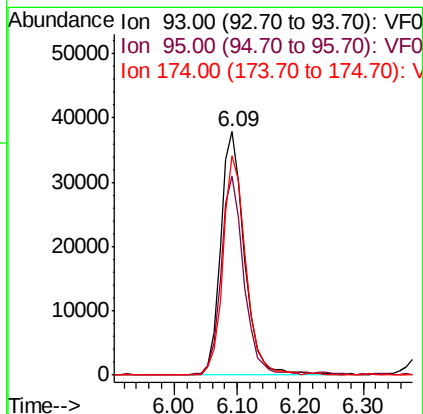
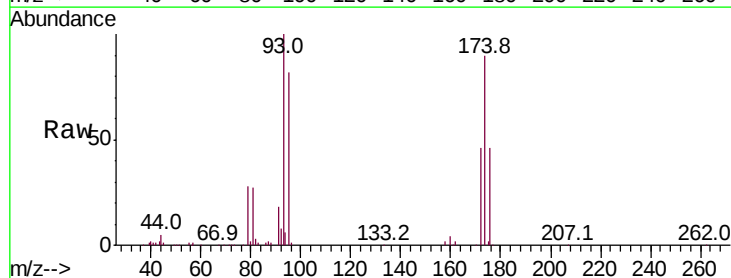
Tgt Ion: 93 Resp: 99471

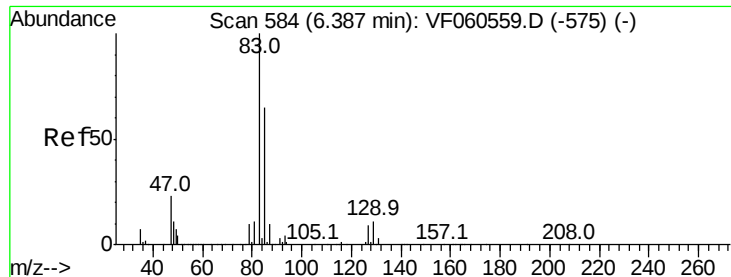
Ion Ratio Lower Upper

93 100

95 81.8 68.6 102.8

174 90.1 79.0 118.4





#47

Bromodichloromethane

Concen: 52.990 ug/l

RT: 6.39 min Scan# 584

Delta R.T. 0.00 min

Lab File: VF060625.D

Acq: 7 Nov 2018 12:06

Instrument :
MSVOA_F
ClientSampleId :

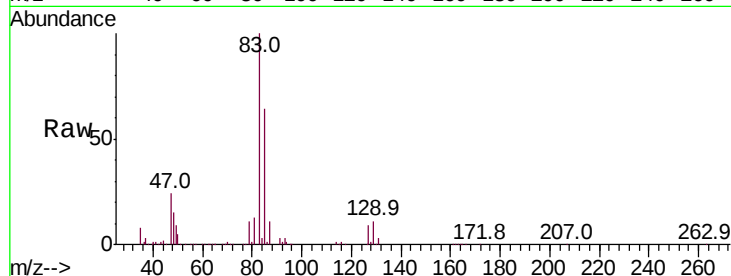
Tot Ion: 83 Resp: 235328

Ion Ratio Lower Upper

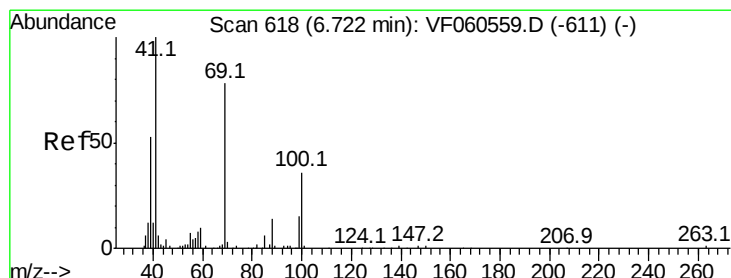
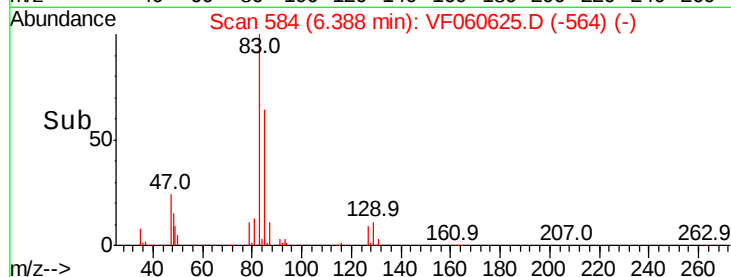
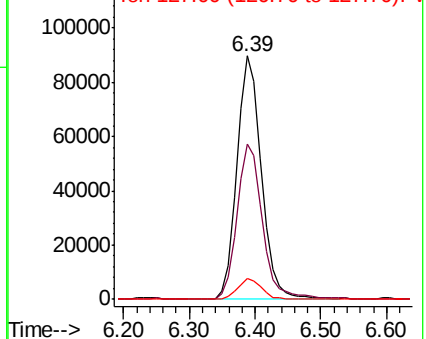
83 100

85 63.9 51.8 77.6

127 8.6 7.0 10.4



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: 46.052 ug/l

RT: 6.72 min Scan# 618

Delta R.T. 0.00 min

Lab File: VF060625.D

Acq: 7 Nov 2018 12:06

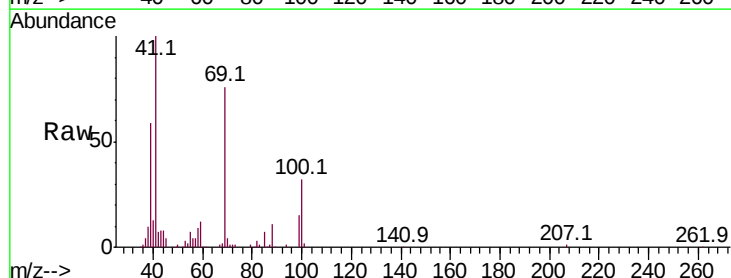
Tgt Ion: 41 Resp: 82161

Ion Ratio Lower Upper

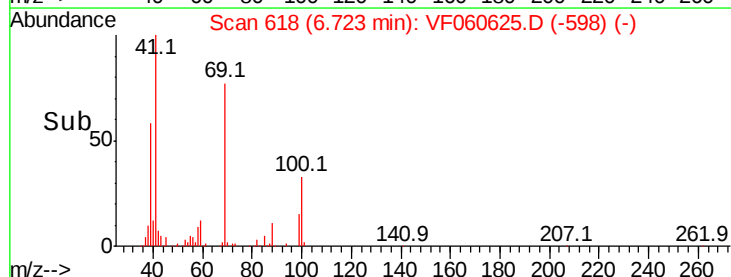
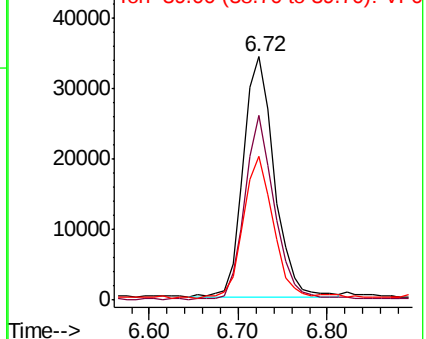
41 100

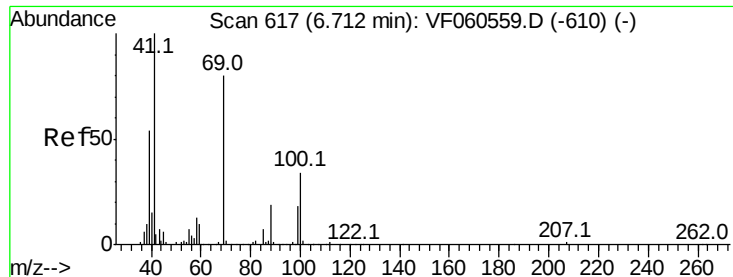
69 75.8 61.1 91.7

39 59.0 43.0 64.6



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: 853.128 ug/l

RT: 6.71 min Scan# 617

Delta R.T. 0.00 min

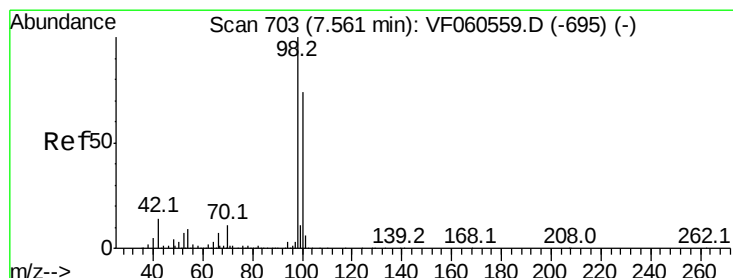
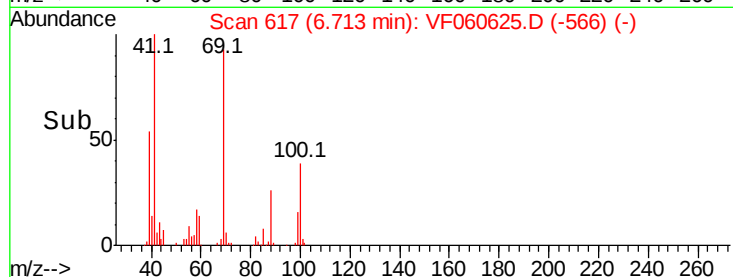
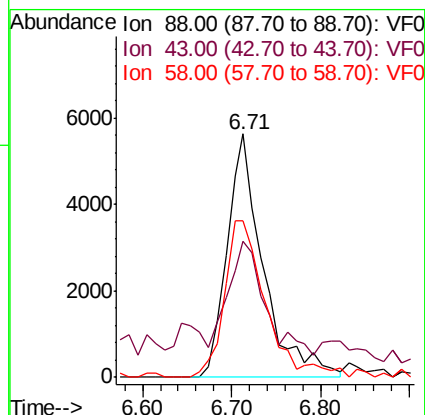
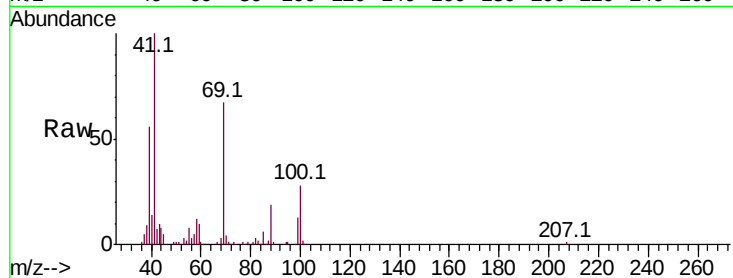
Lab File: VF060625.D

Acq: 7 Nov 2018 12:06

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 88 Resp: 15922

Ion	Ratio	Lower	Upper
88	100		
43	55.8	61.2	91.8#
58	64.5	56.9	85.3



#50

Toluene-d8

Concen: 51.741 ug/l

RT: 7.56 min Scan# 703

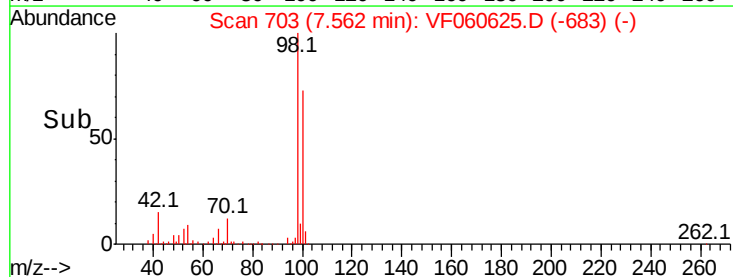
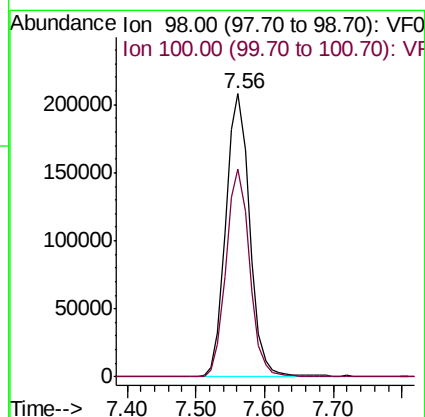
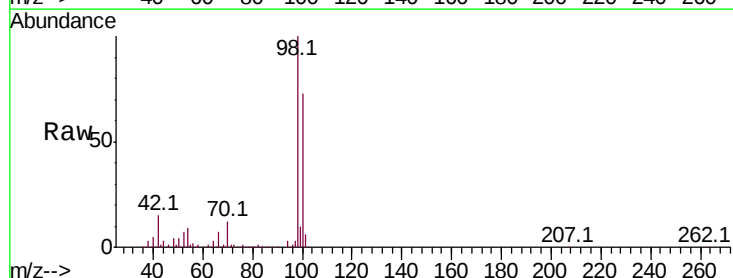
Delta R.T. 0.00 min

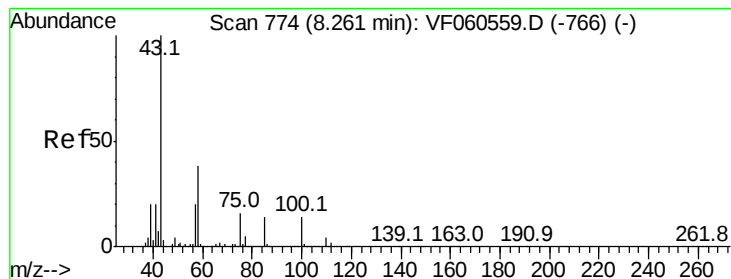
Lab File: VF060625.D

Acq: 7 Nov 2018 12:06

Tgt Ion: 98 Resp: 502786

Ion	Ratio	Lower	Upper
98	100		
100	73.3	59.4	89.2





#51

4-Methyl-2-Pentanone

Concen: 244.625 ug/l

RT: 8.26 min Scan# 774

Delta R.T. 0.00 min

Lab File: VF060625.D

Acq: 7 Nov 2018 12:06

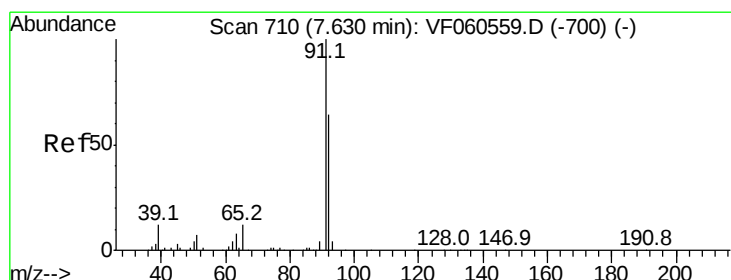
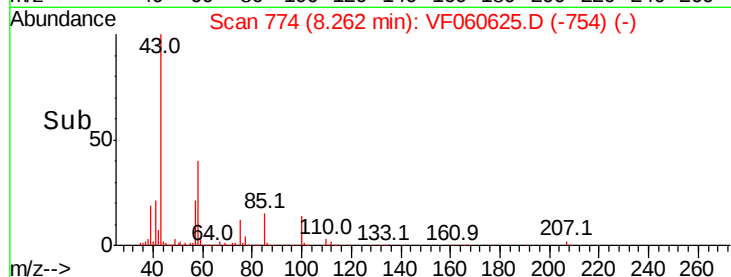
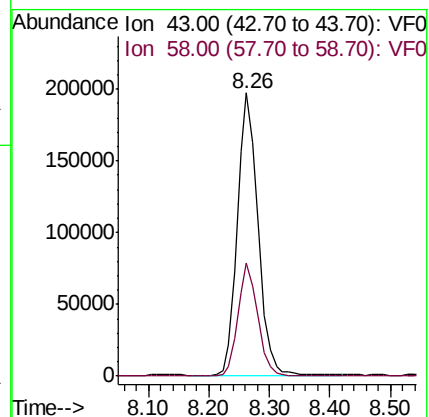
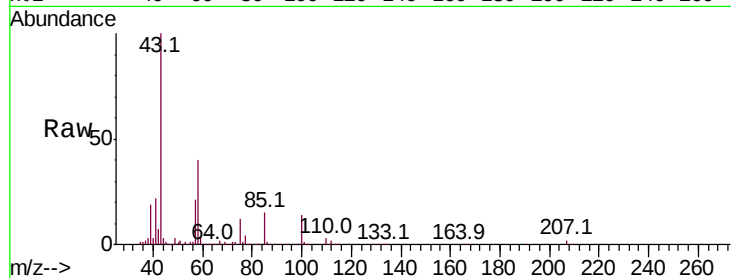
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 466967

Ion Ratio Lower Upper

43 100

58 40.0 30.1 45.1



#52

Toluene

Concen: 48.600 ug/l

RT: 7.63 min Scan# 710

Delta R.T. 0.00 min

Lab File: VF060625.D

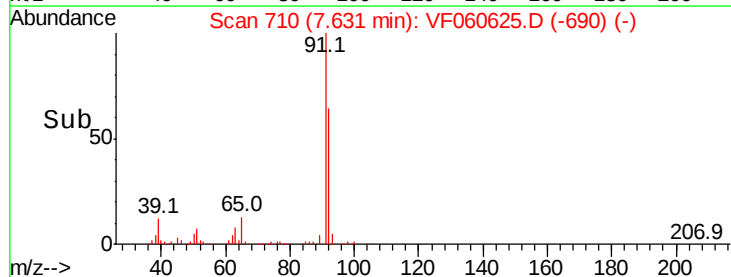
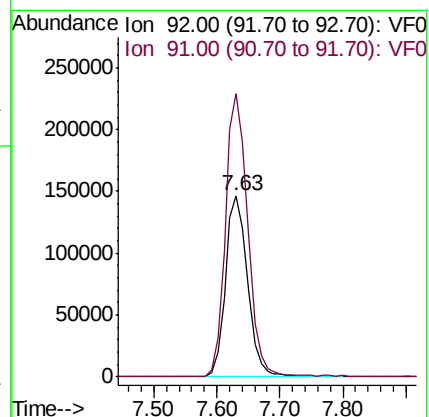
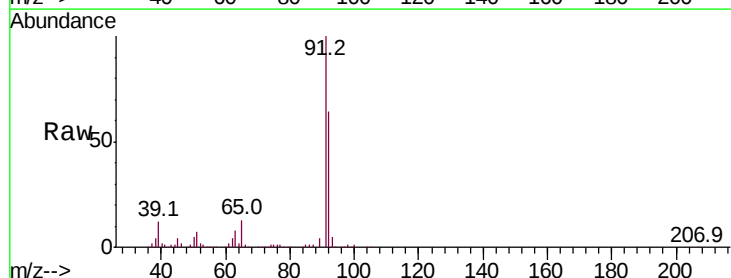
Acq: 7 Nov 2018 12:06

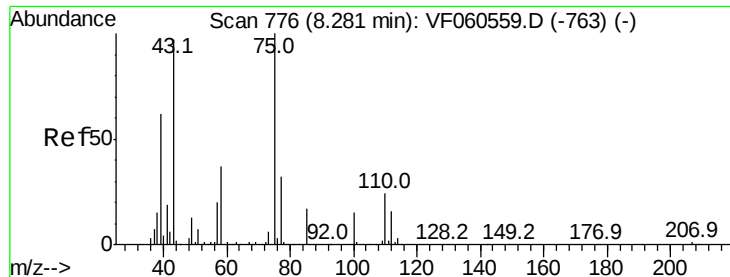
Tgt Ion: 92 Resp: 359252

Ion Ratio Lower Upper

92 100

91 155.9 124.5 186.7

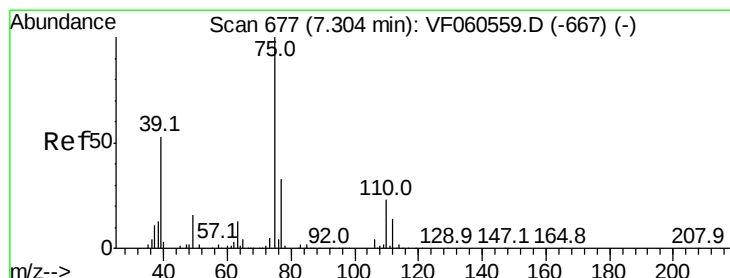
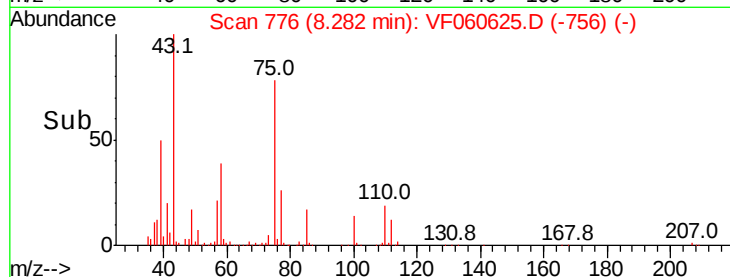
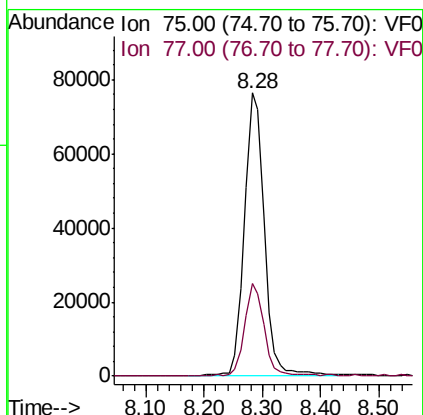
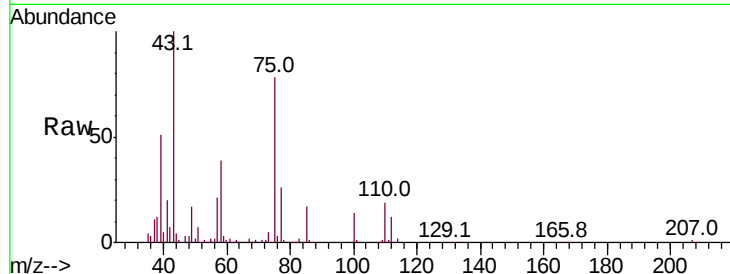




#53
t-1,3-Dichloropropene
Concen: 47.587 ug/l
RT: 8.28 min Scan# 776
Delta R.T. 0.00 min
Lab File: VF060625.D
Acq: 7 Nov 2018 12:06

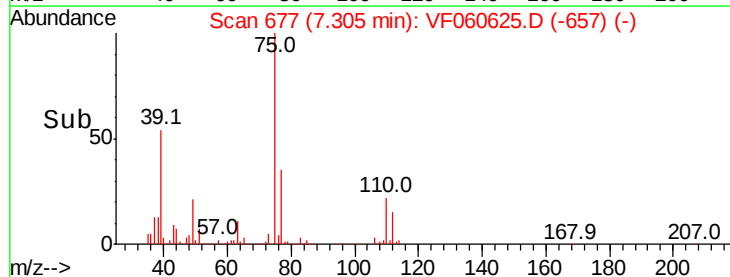
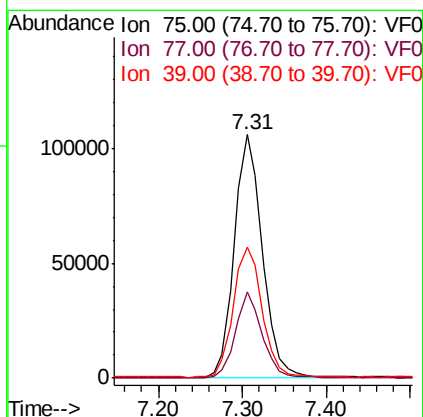
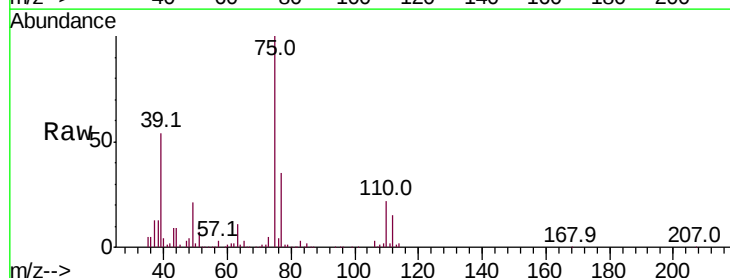
Instrument :
MSVOA_F
ClientSampled :

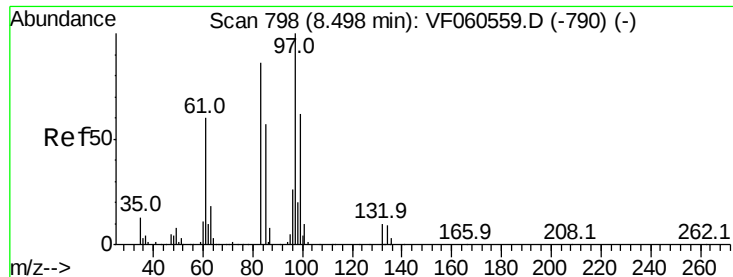
Tot Ion: 75 Resp: 183676
Ion Ratio Lower Upper
75 100
77 33.0 25.7 38.5



#54
cis-1,3-Dichloropropene
Concen: 50.846 ug/l
RT: 7.31 min Scan# 677
Delta R.T. 0.00 min
Lab File: VF060625.D
Acq: 7 Nov 2018 12:06

Tgt Ion: 75 Resp: 247964
Ion Ratio Lower Upper
75 100
77 35.4 26.7 40.1
39 54.0 43.0 64.4





#55

1,1,2-Trichloroethane

Concen: 51.148 ug/l

RT: 8.50 min Scan# 798

Delta R.T. 0.00 min

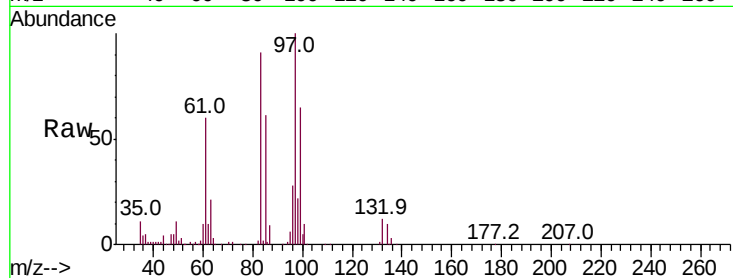
Lab File: VF060625.D

Acq: 7 Nov 2018 12:06

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 97 Resp: 110022

Ion	Ratio	Lower	Upper
97	100		
83	90.5	69.4	104.0
85	61.0	46.6	69.8
99	64.9	50.0	75.0

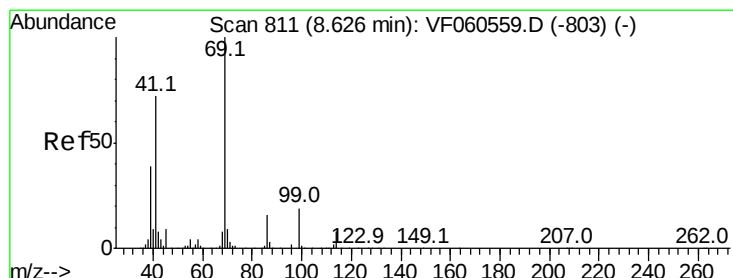
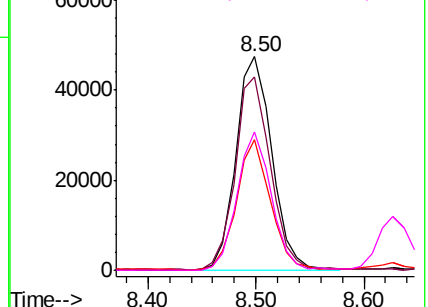
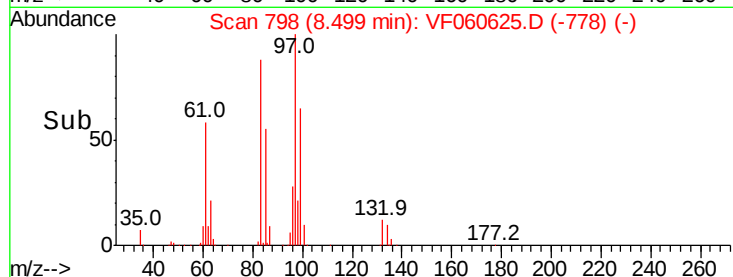


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 48.943 ug/l

RT: 8.63 min Scan# 811

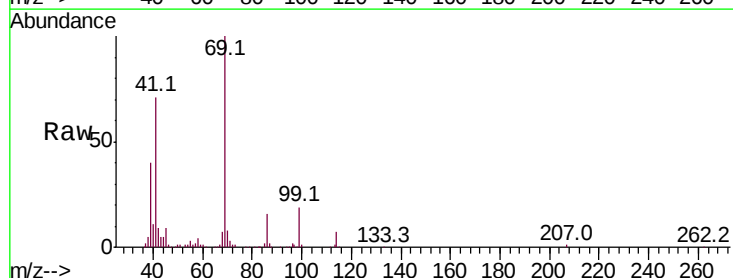
Delta R.T. 0.00 min

Lab File: VF060625.D

Acq: 7 Nov 2018 12:06

Tgt Ion: 69 Resp: 135454

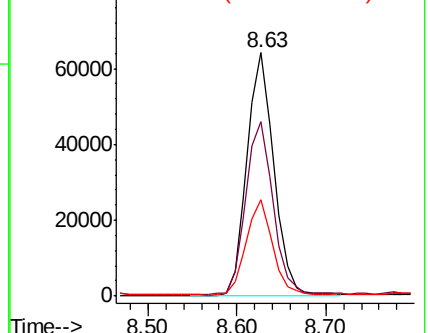
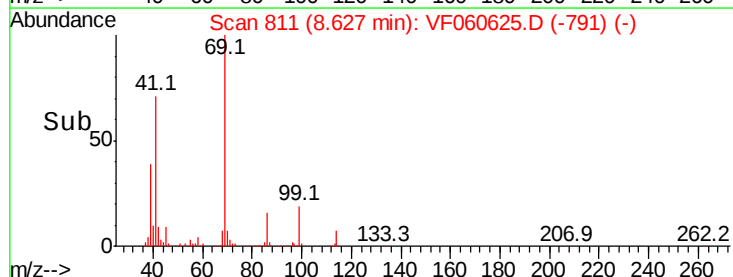
Ion	Ratio	Lower	Upper
69	100		
41	71.4	59.2	88.8
39	39.5	32.3	48.5

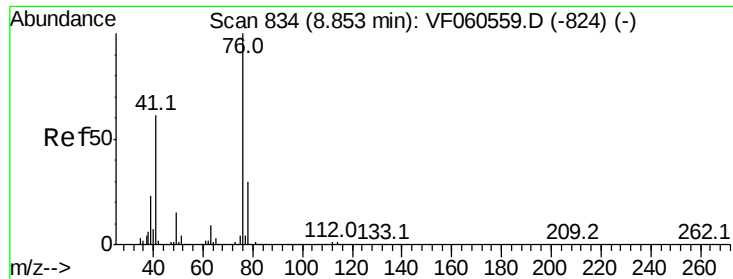


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 47.594 ug/l

RT: 8.86 min Scan# 835

Delta R.T. 0.01 min

Lab File: VF060625.D

Acq: 7 Nov 2018 12:06

Instrument :

MSVOA_F

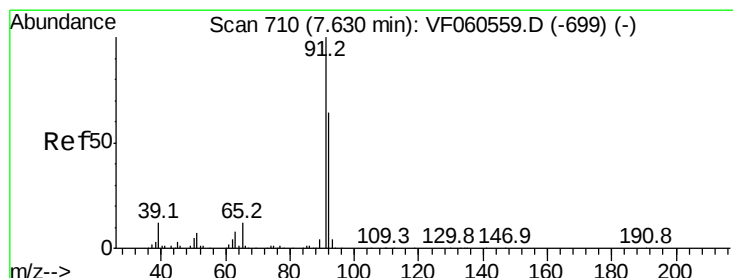
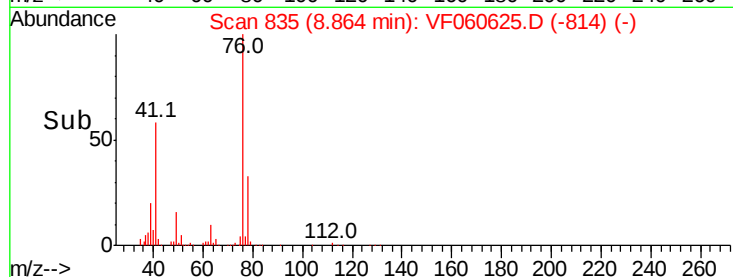
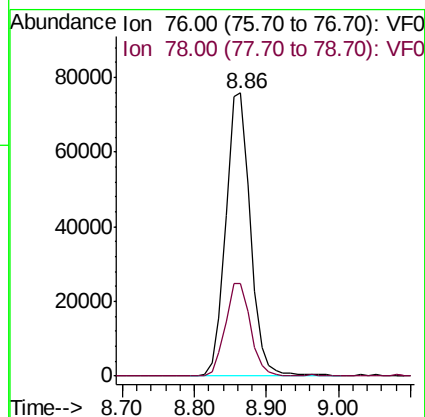
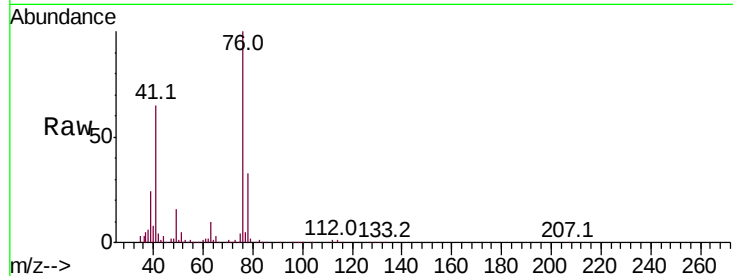
ClientSampleId :

Tot Ion: 76 Resp: 179638

Ion Ratio Lower Upper

76 100

78 32.9 24.2 36.4



#58

2-Chloroethyl Vinyl ether

Concen: 263.739 ug/l

RT: 7.63 min Scan# 710

Delta R.T. 0.00 min

Lab File: VF060625.D

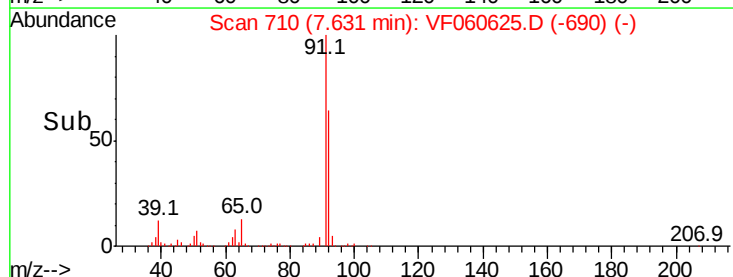
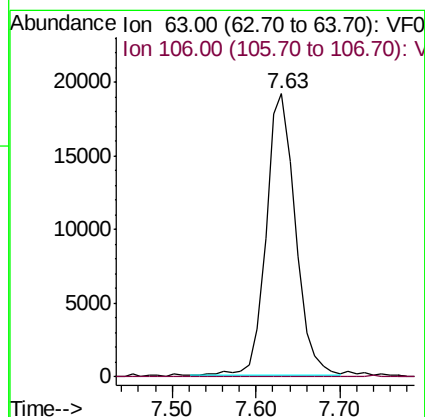
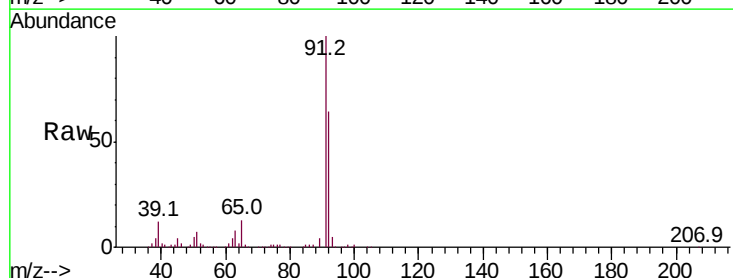
Acq: 7 Nov 2018 12:06

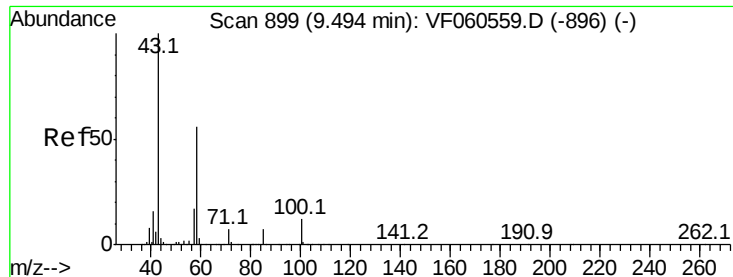
Tgt Ion: 63 Resp: 46486

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

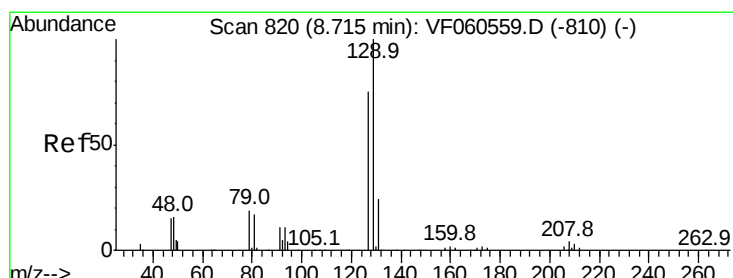
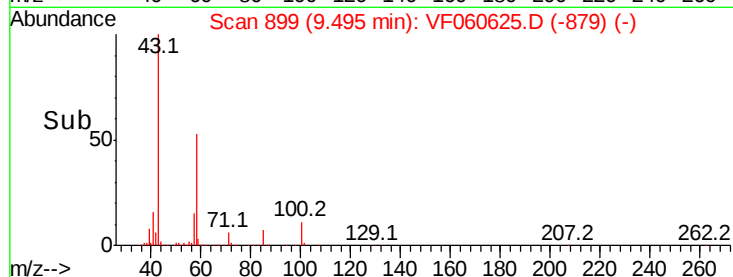
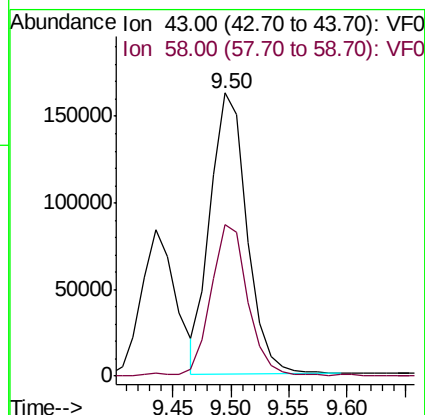
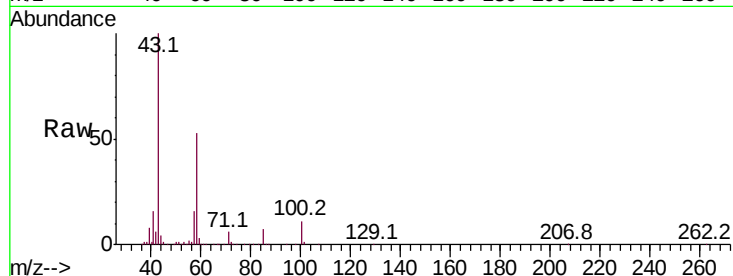




#59
2-Hexanone
Concen: 284.481 ug/l
RT: 9.50 min Scan# 899
Delta R.T. 0.00 min
Lab File: VF060625.D
Acq: 7 Nov 2018 12:06

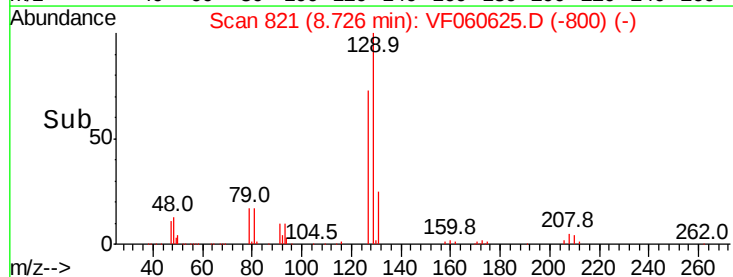
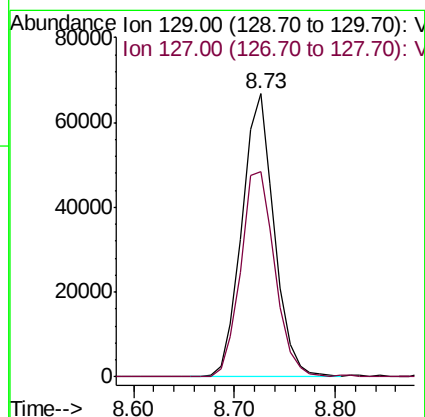
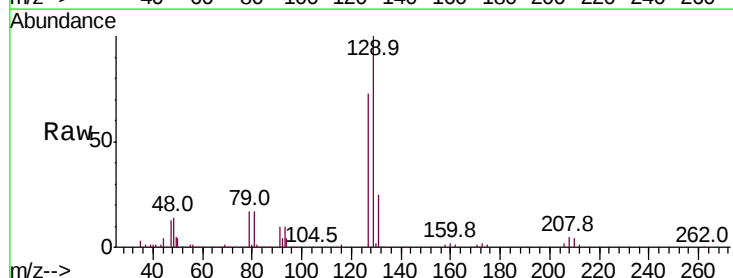
Instrument :
MSVOA_F
ClientSampled :

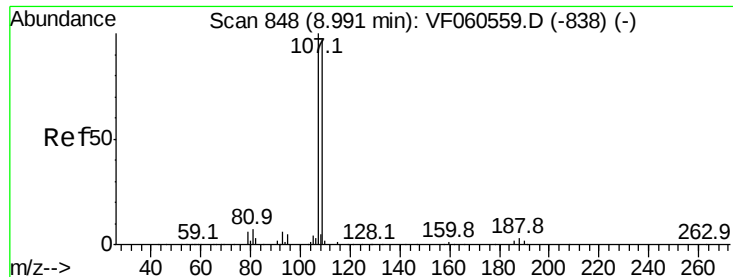
Tot Ion: 43 Resp: 355118
Ion Ratio Lower Upper
43 100
58 53.4 26.1 78.3



#60
Dibromochloromethane
Concen: 49.520 ug/l
RT: 8.73 min Scan# 821
Delta R.T. 0.01 min
Lab File: VF060625.D
Acq: 7 Nov 2018 12:06

Tgt Ion: 129 Resp: 148972
Ion Ratio Lower Upper
129 100
127 72.7 37.8 113.3

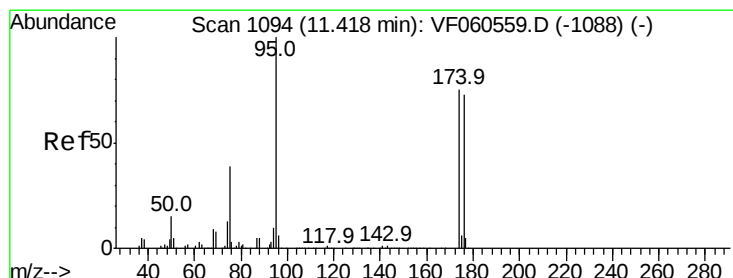
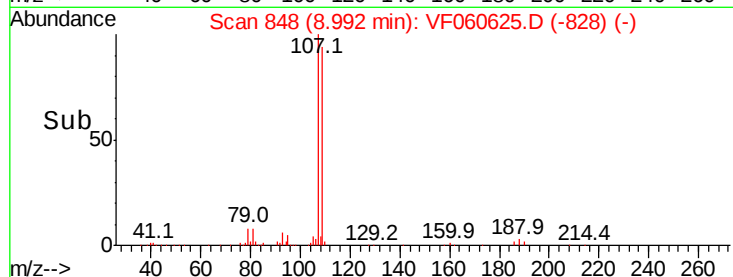
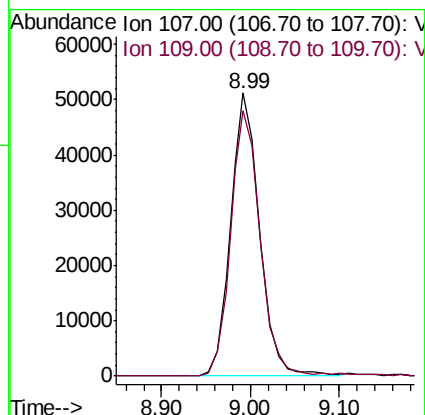
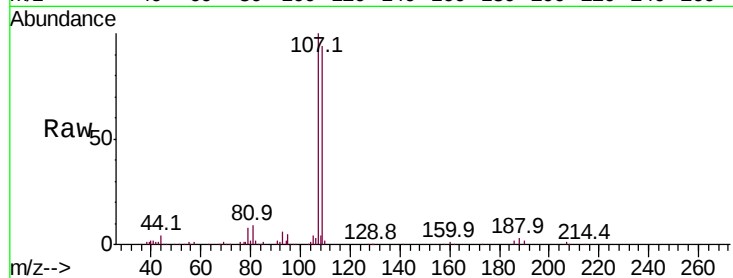




#61
 1,2-Dibromoethane
 Concen: 51.568 ug/l
 RT: 8.99 min Scan# 848
 Delta R.T. 0.00 min
 Lab File: VF060625.D
 Acq: 7 Nov 2018 12:06

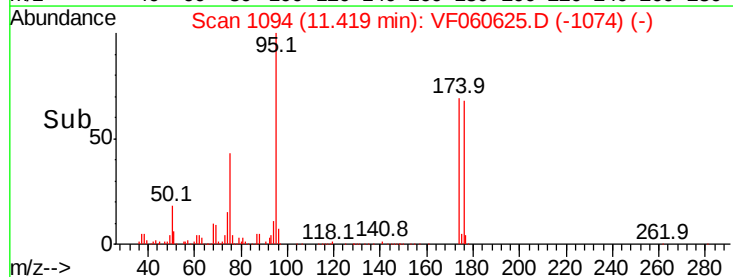
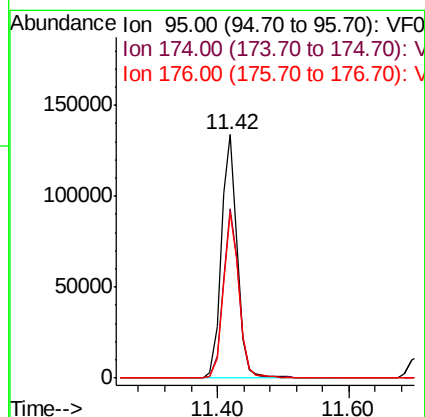
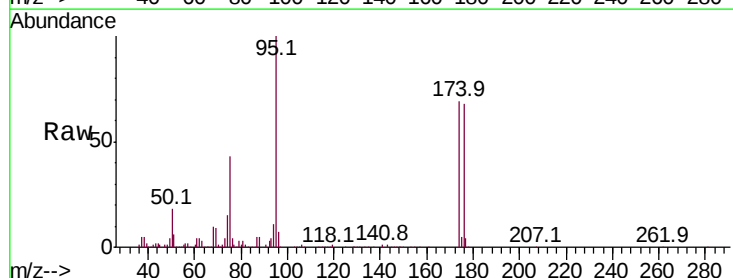
Instrument :
 MSVOA_F
 ClientSampled :

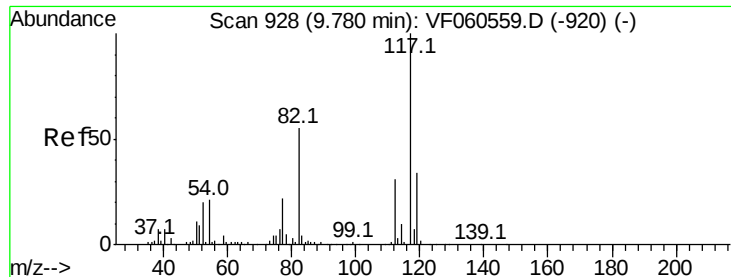
Tot Ion:107 Resp: 116652
 Ion Ratio Lower Upper
 107 100
 109 93.8 77.5 116.3



#62
 4-Bromofluorobenzene
 Concen: 53.077 ug/l
 RT: 11.42 min Scan# 1094
 Delta R.T. 0.00 min
 Lab File: VF060625.D
 Acq: 7 Nov 2018 12:06

Tgt Ion: 95 Resp: 225605
 Ion Ratio Lower Upper
 95 100
 174 69.3 0.0 149.0
 176 68.2 0.0 145.6

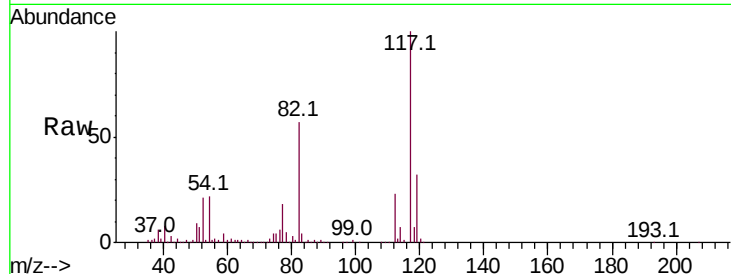




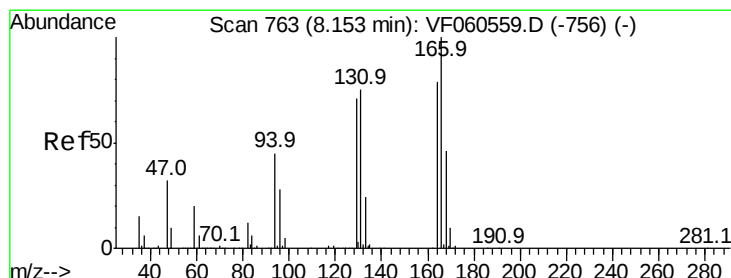
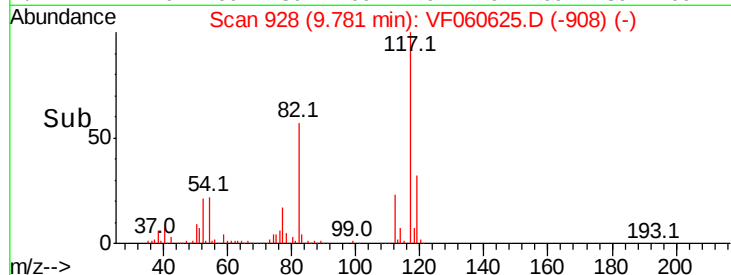
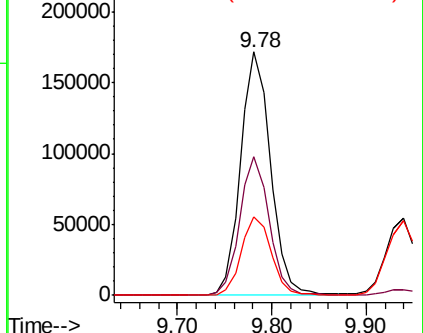
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.78 min Scan# 928
Delta R.T. 0.00 min
Lab File: VF060625.D
Acq: 7 Nov 2018 12:06

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:117 Resp: 377168
Ion Ratio Lower Upper
117 100
82 57.0 43.9 65.9
119 32.0 27.4 41.0



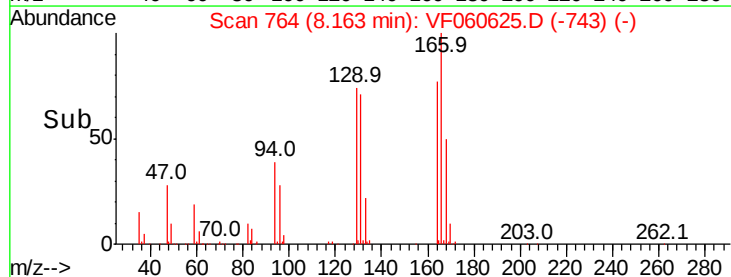
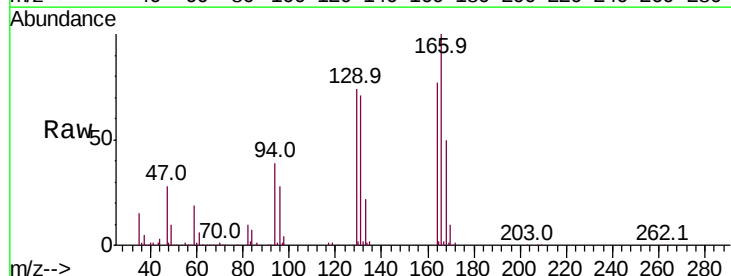
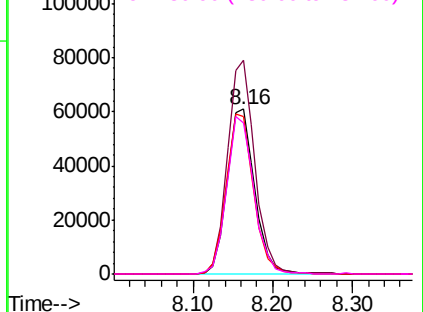
Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

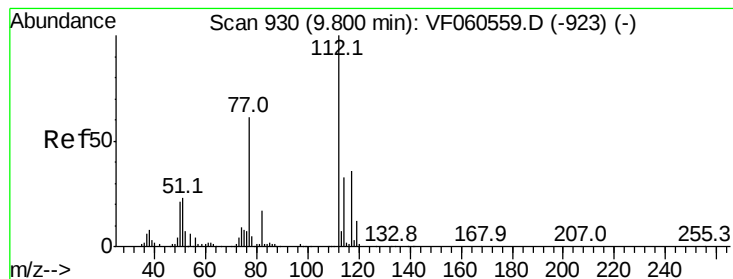


#64
Tetrachloroethene
Concen: 50.172 ug/l
RT: 8.16 min Scan# 764
Delta R.T. 0.01 min
Lab File: VF060625.D
Acq: 7 Nov 2018 12:06

Tgt Ion:164 Resp: 148303
Ion Ratio Lower Upper
164 100
166 129.7 101.5 152.3
129 95.9 72.5 108.7
131 91.9 76.4 114.6

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: 51.587 ug/l

RT: 9.80 min Scan# 930

Delta R.T. 0.00 min

Lab File: VF060625.D

Acq: 7 Nov 2018 12:06

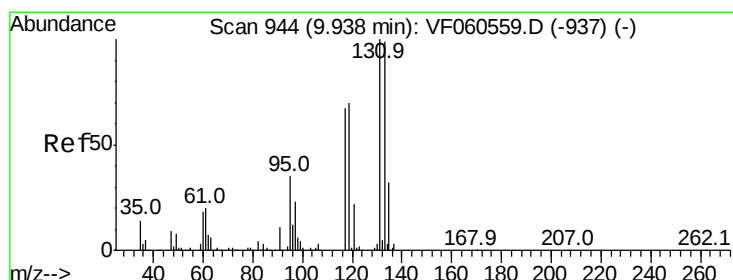
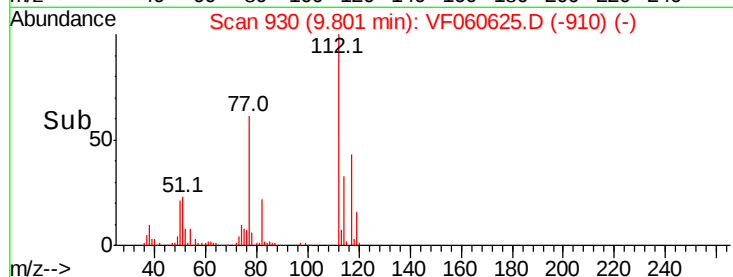
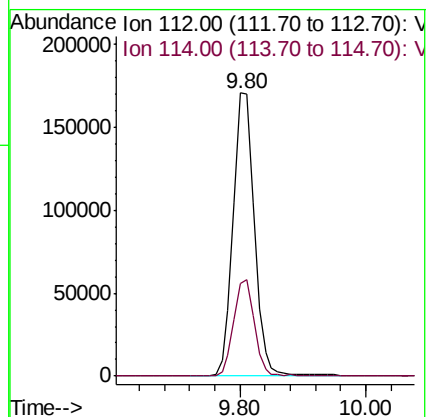
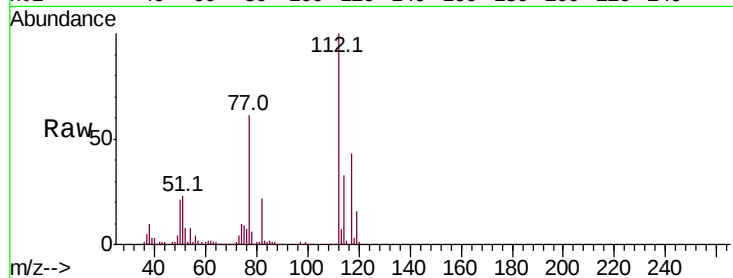
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:112 Resp: 397893

Ion Ratio Lower Upper

112 100

114 32.6 26.6 40.0



#66

1,1,1,2-Tetrachloroethane

Concen: 53.052 ug/l

RT: 9.94 min Scan# 944

Delta R.T. 0.00 min

Lab File: VF060625.D

Acq: 7 Nov 2018 12:06

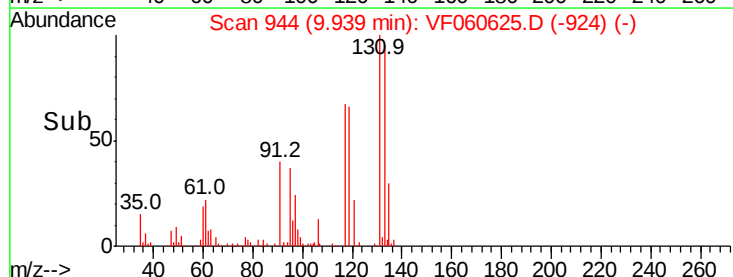
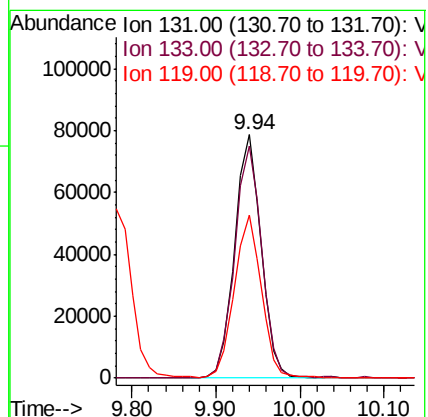
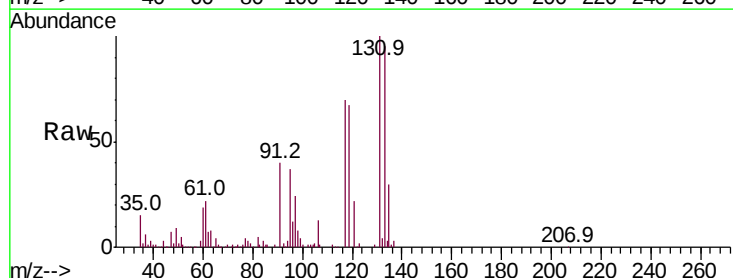
Tgt Ion:131 Resp: 172901

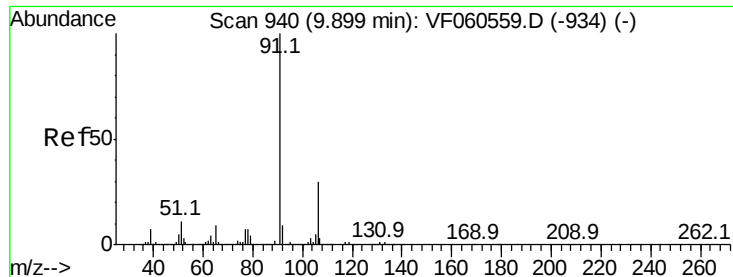
Ion Ratio Lower Upper

131 100

133 95.3 49.5 148.7

119 66.7 35.2 105.6





#67

Ethyl Benzene

Concen: 51.657 ug/l

RT: 9.91 min Scan# 941

Delta R.T. 0.01 min

Lab File: VF060625.D

Acq: 7 Nov 2018 12:06

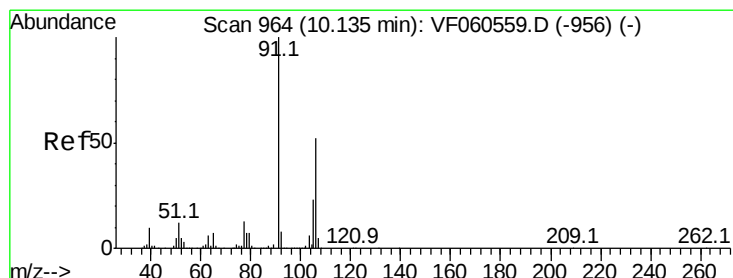
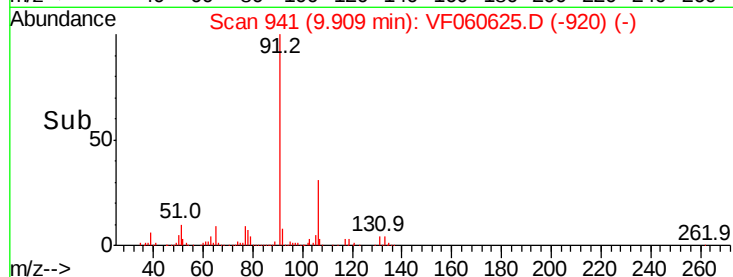
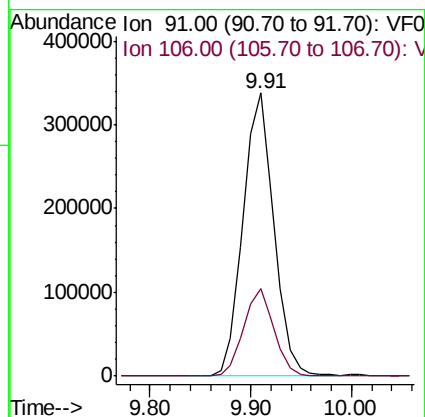
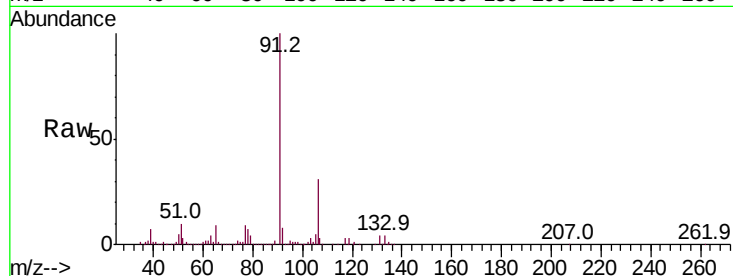
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 91 Resp: 723034

Ion Ratio Lower Upper

91 100

106 30.8 24.2 36.4



#68

m/p-Xylenes

Concen: 99.577 ug/l

RT: 10.14 min Scan# 964

Delta R.T. 0.00 min

Lab File: VF060625.D

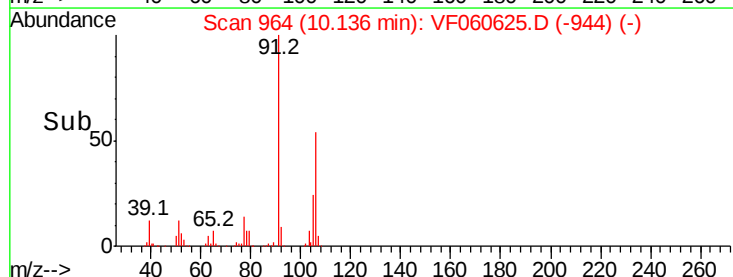
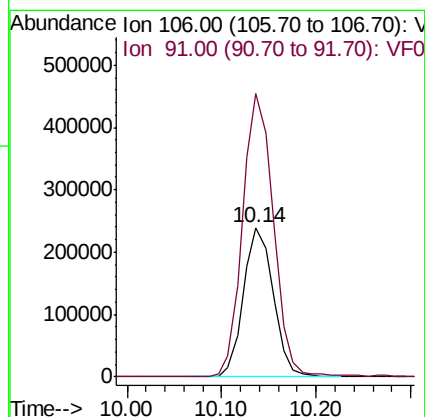
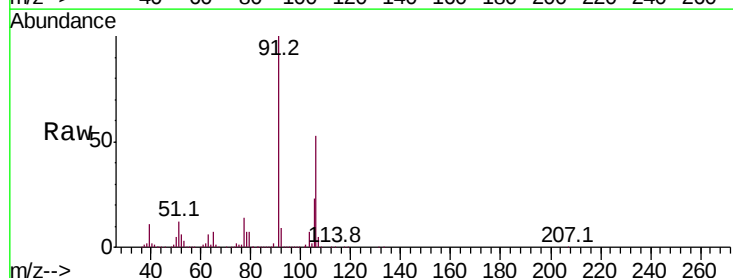
Acq: 7 Nov 2018 12:06

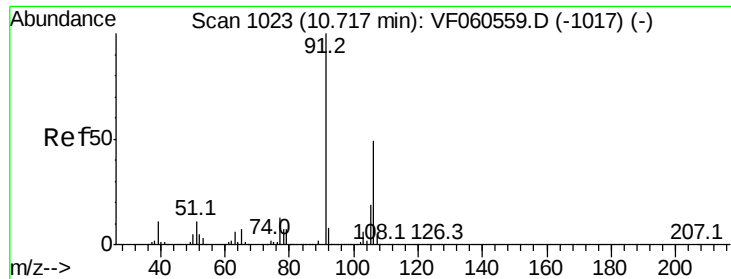
Tgt Ion: 106 Resp: 525016

Ion Ratio Lower Upper

106 100

91 189.8 153.9 230.9

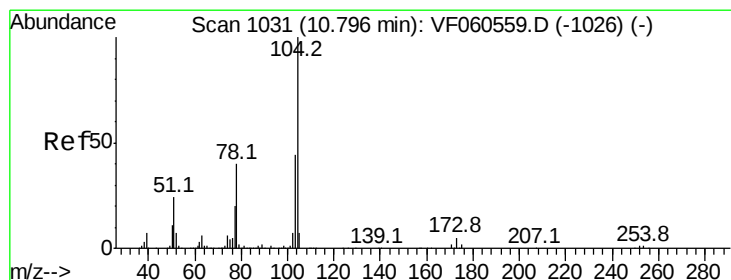
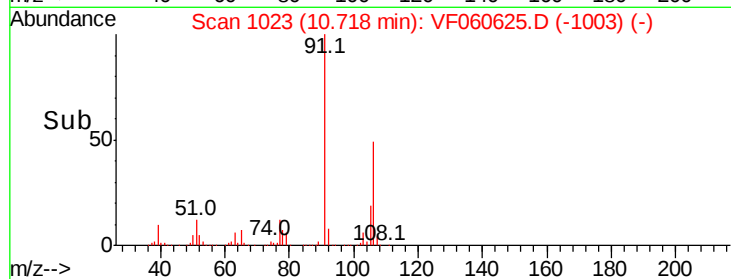
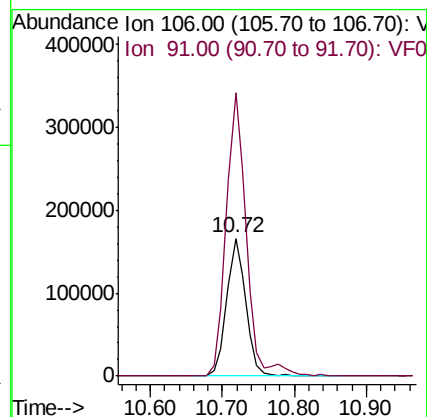
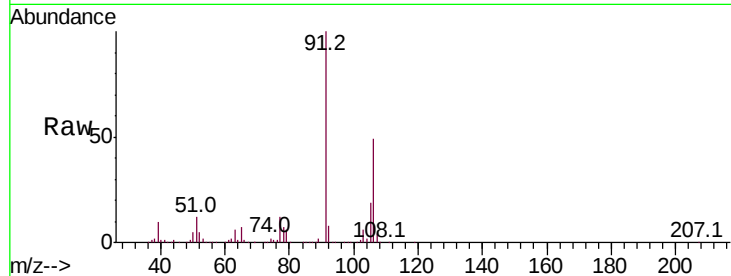




#69
o-Xylene
Concen: 53.077 ug/l
RT: 10.72 min Scan# 1023
Delta R.T. 0.00 min
Lab File: VF060625.D
Acq: 7 Nov 2018 12:06

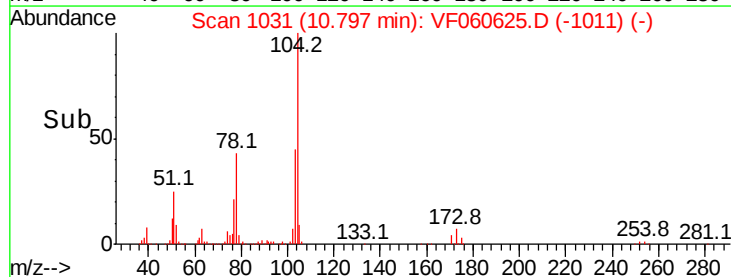
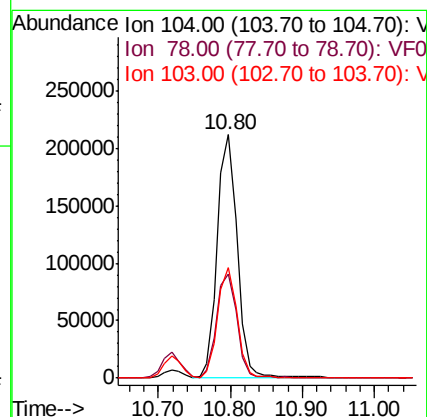
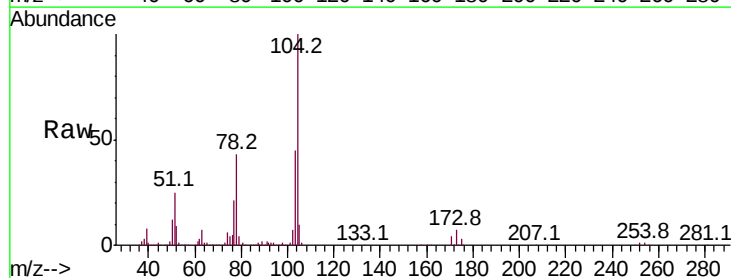
Instrument :
MSVOA_F
ClientSampleId :

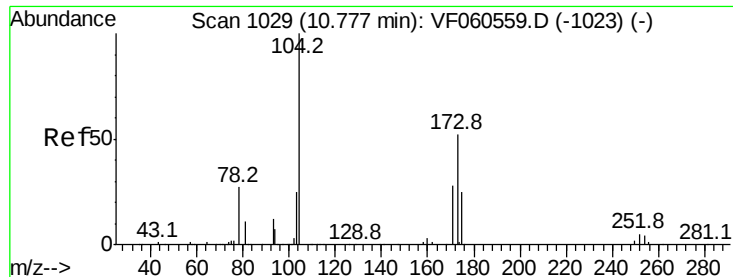
Tot Ion:106 Resp: 305574
Ion Ratio Lower Upper
106 100
91 206.0 101.8 305.3



#70
Styrene
Concen: 48.432 ug/l
RT: 10.80 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VF060625.D
Acq: 7 Nov 2018 12:06

Tgt Ion:104 Resp: 403953
Ion Ratio Lower Upper
104 100
78 42.8 32.6 49.0
103 45.5 35.2 52.8





#71

Bromoform

Concen: 48.820 ug/l

RT: 10.78 min Scan# 1029

Delta R.T. 0.00 min

Lab File: VF060625.D

Acq: 7 Nov 2018 12:06

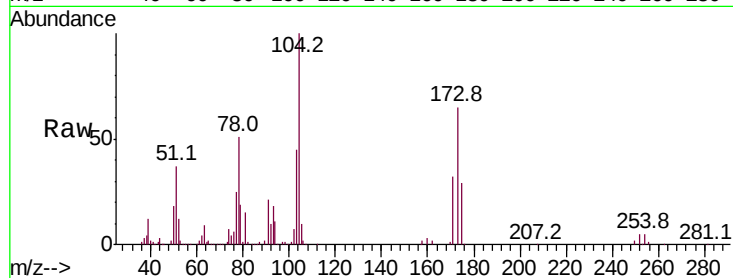
Instrument :

MSVOA_F

ClientSampled :

Tot Ion:173 Resp: 82176

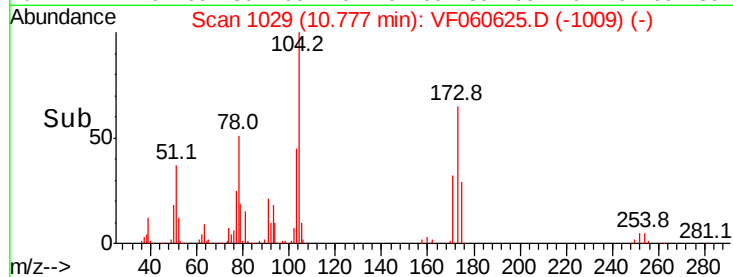
Ion	Ratio	Lower	Upper
173	100		
175	45.0	24.3	72.9
254	8.0	6.7	10.1



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

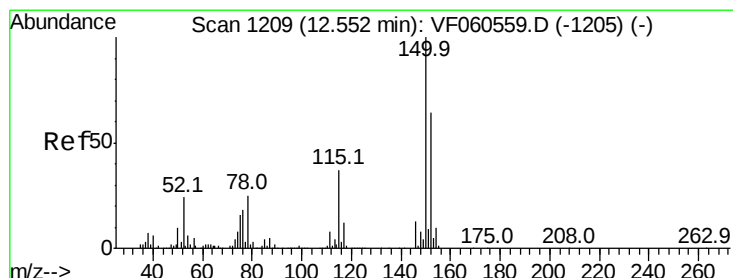
Ion 254.00 (253.70 to 254.70): V



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.55 min Scan# 1209

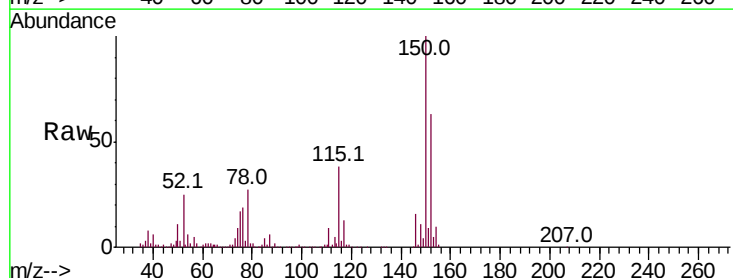
Delta R.T. 0.00 min

Lab File: VF060625.D

Acq: 7 Nov 2018 12:06

Tgt Ion:152 Resp: 198115

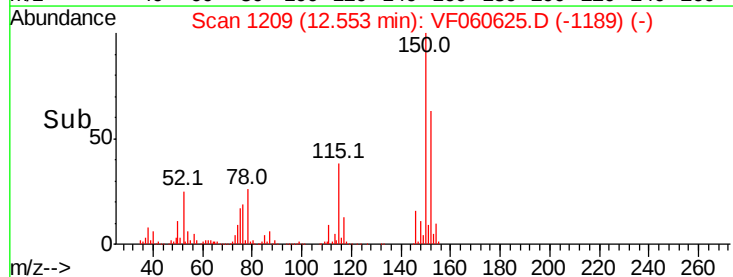
Ion	Ratio	Lower	Upper
152	100		
115	60.5	29.6	88.8
150	157.8	0.0	315.6



Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

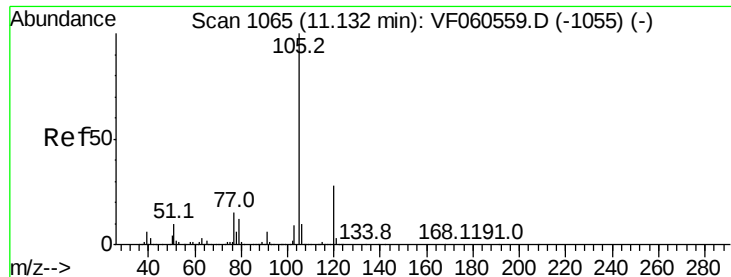
Ion 150.00 (149.70 to 150.70): V



Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V



#73

Isopropylbenzene

Concen: 54.699 ug/l

RT: 11.13 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VF060625.D

Acq: 7 Nov 2018 12:06

Instrument :

MSVOA_F

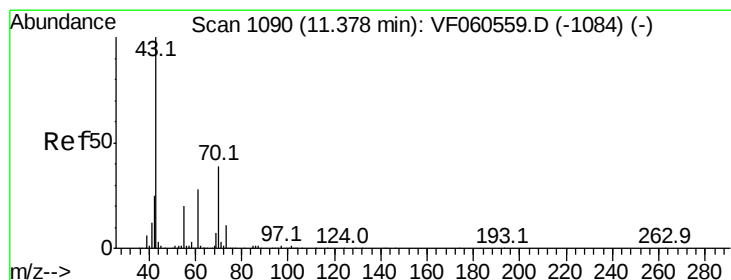
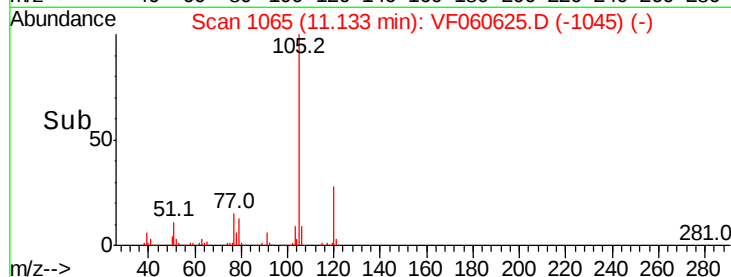
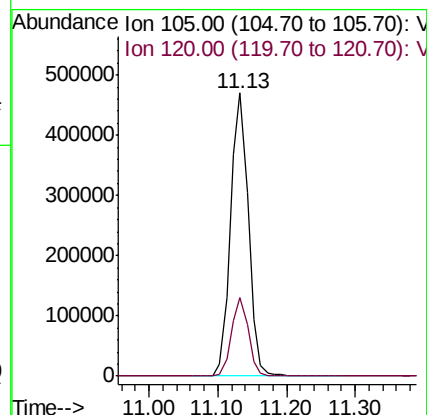
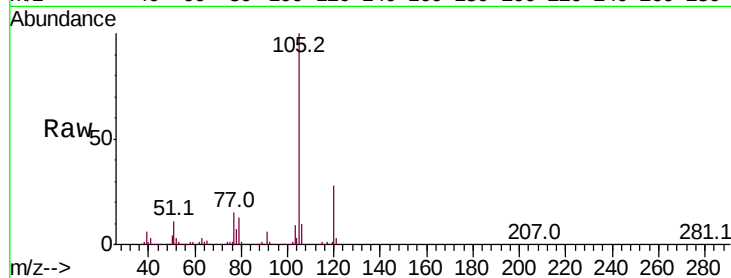
ClientSampled :

Tot Ion: 105 Resp: 845140

Ion Ratio Lower Upper

105 100

120 27.6 13.9 41.6



#74

N-ethyl acetate

Concen: 58.930 ug/l

RT: 11.38 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VF060625.D

Acq: 7 Nov 2018 12:06

Tgt Ion: 43 Resp: 228273

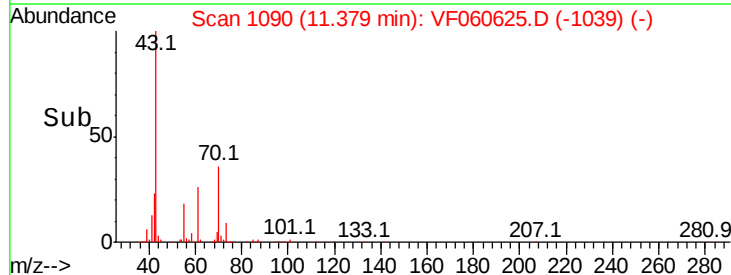
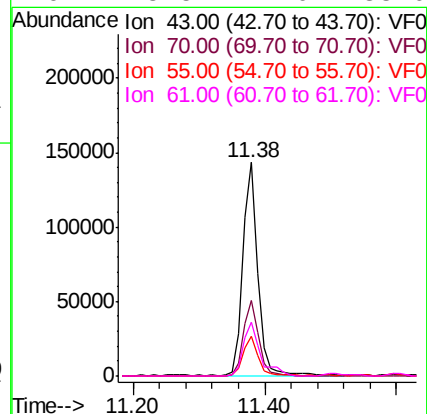
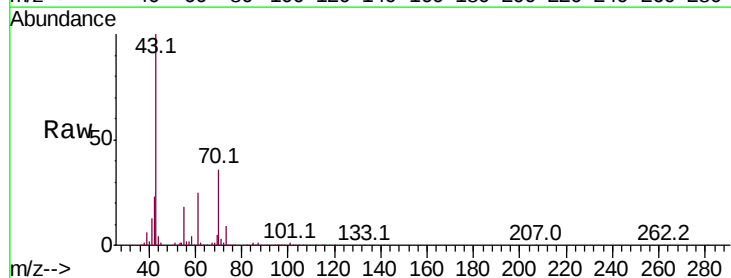
Ion Ratio Lower Upper

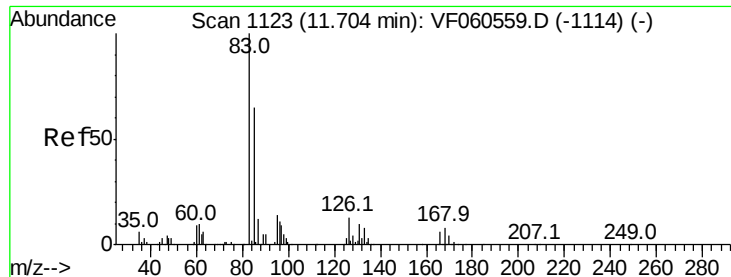
43 100

70 35.6 30.9 46.3

55 18.4 16.6 24.8

61 25.5 22.0 33.0





#75

1,1,2,2-Tetrachloroethane

Concen: 52.220 ug/l

RT: 11.70 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VF060625.D

Acq: 7 Nov 2018 12:06

Instrument :

MSVOA_F

ClientSampleId :

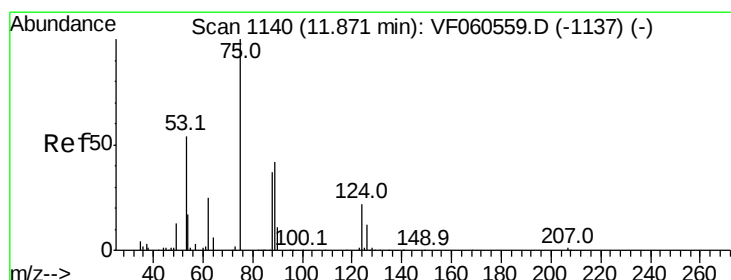
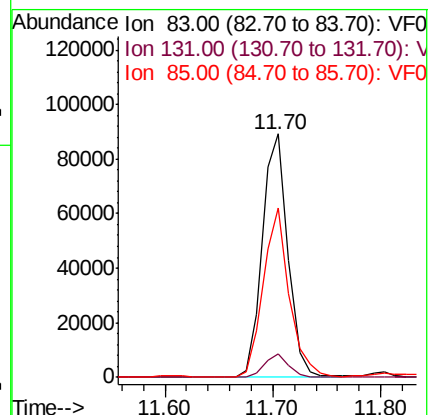
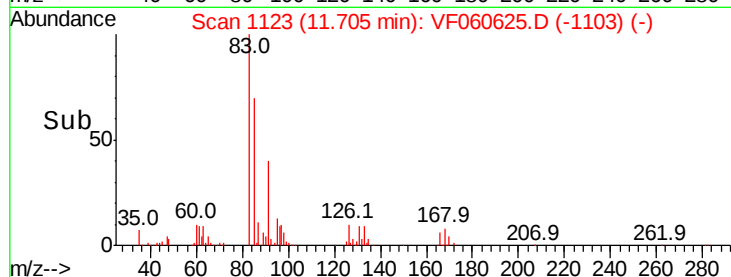
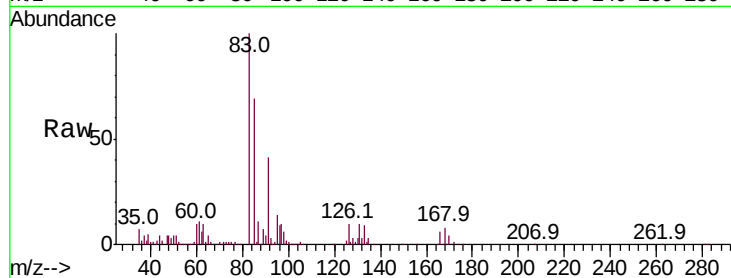
Tot Ion: 83 Resp: 147269

Ion Ratio Lower Upper

83 100

131 9.6 5.0 14.9

85 69.4 32.9 98.7



#76

1,2,3-Trichloropropane

Concen: 49.878 ug/l

RT: 11.87 min Scan# 1140

Delta R.T. 0.00 min

Lab File: VF060625.D

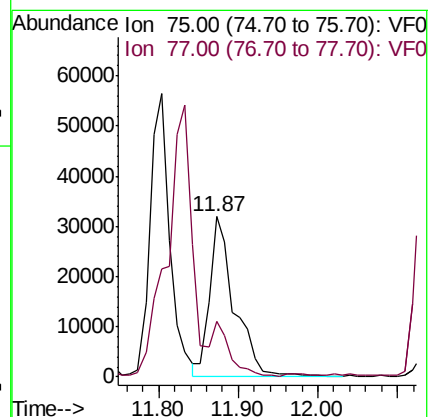
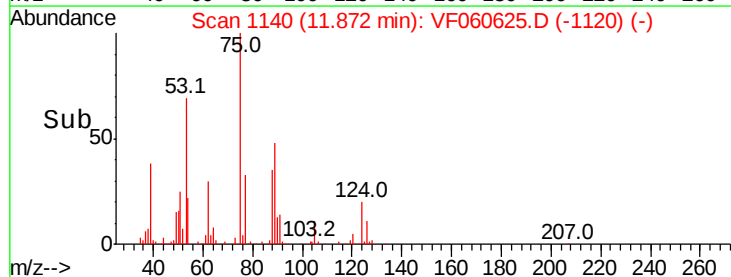
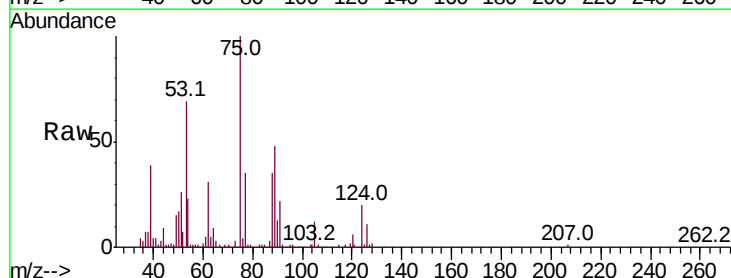
Acq: 7 Nov 2018 12:06

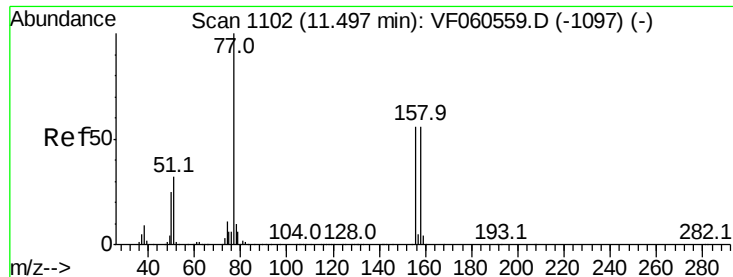
Tgt Ion: 75 Resp: 69130

Ion Ratio Lower Upper

75 100

77 34.7 17.4 52.3





#77

Bromobenzene

Concen: 51.892 ug/l

RT: 11.50 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VF060625.D

Acq: 7 Nov 2018 12:06

Instrument :

MSVOA_F

ClientSampled :

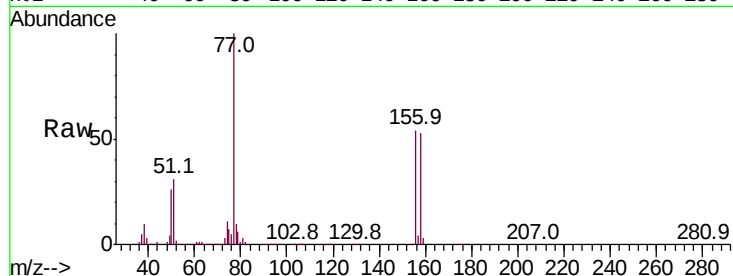
Tot Ion:156 Resp: 175435

Ion Ratio Lower Upper

156 100

77 186.4 89.3 268.1

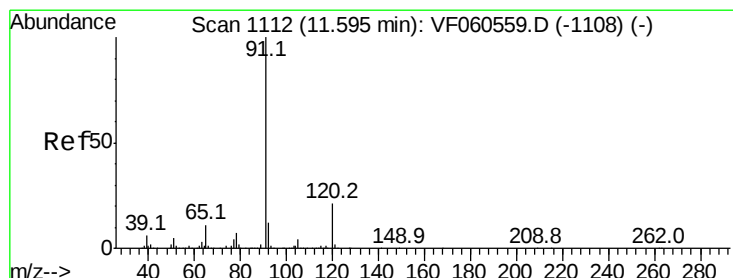
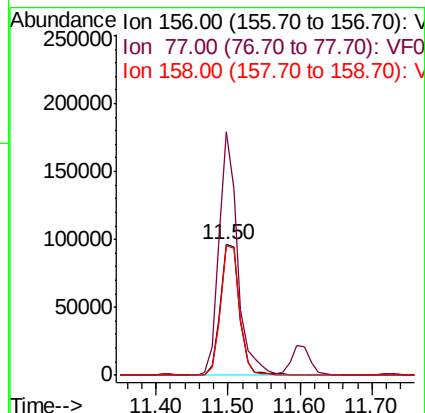
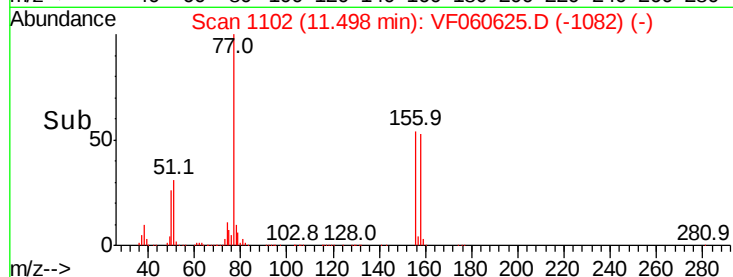
158 99.2 50.0 150.1



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: 53.580 ug/l

RT: 11.60 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VF060625.D

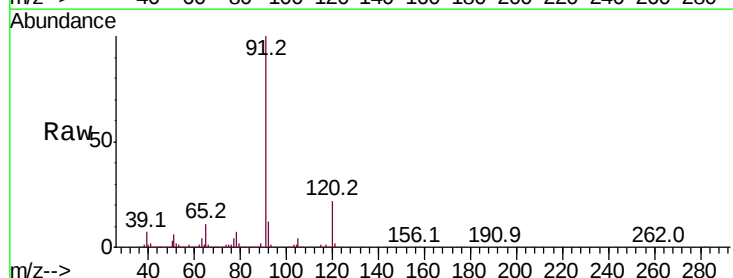
Acq: 7 Nov 2018 12:06

Tgt Ion: 91 Resp: 968576

Ion Ratio Lower Upper

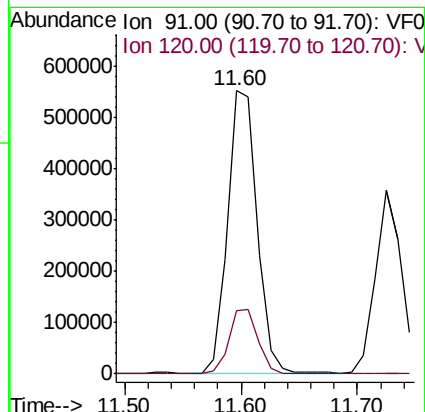
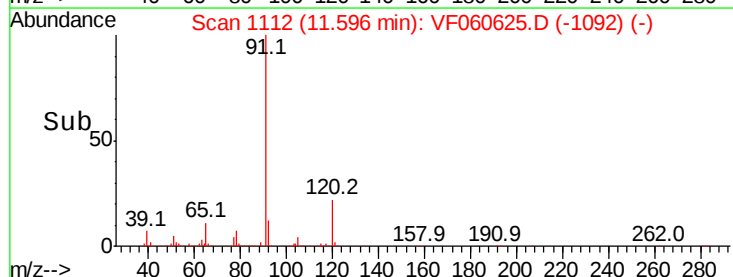
91 100

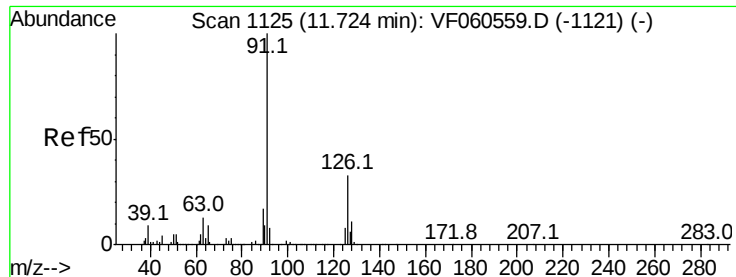
120 22.2 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 53.637 ug/l

RT: 11.72 min Scan# 1125

Delta R.T. 0.00 min

Lab File: VF060625.D

Acq: 7 Nov 2018 12:06

Instrument :

MSVOA_F

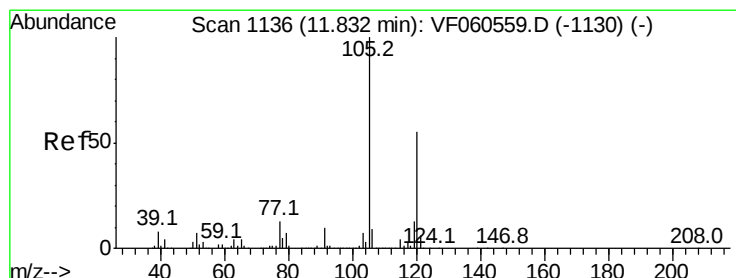
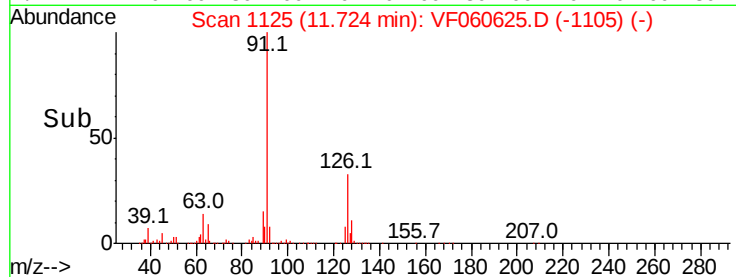
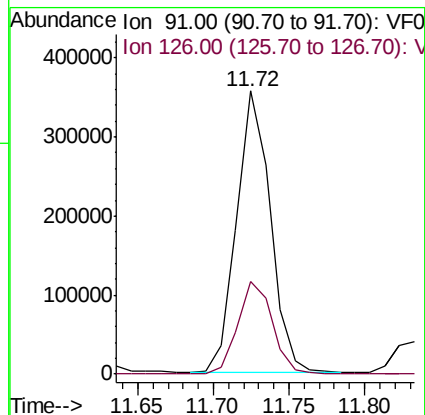
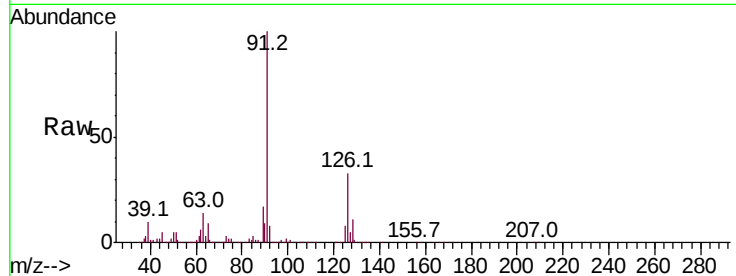
ClientSampleId :

Tot Ion: 91 Resp: 553735

Ion Ratio Lower Upper

91 100

126 32.5 16.5 49.5



#80

1,3,5-Trimethylbenzene

Concen: 51.095 ug/l

RT: 11.83 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VF060625.D

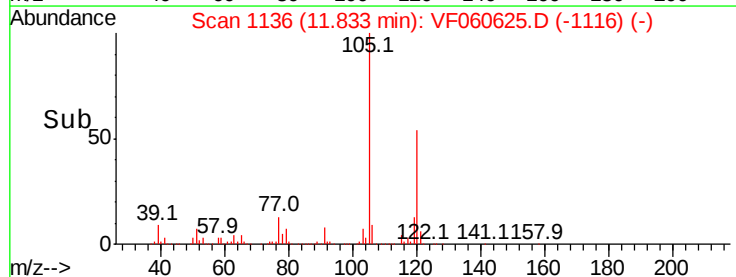
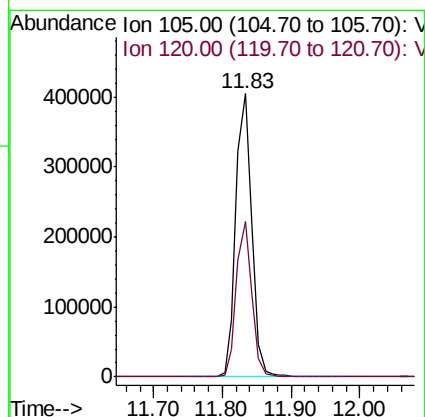
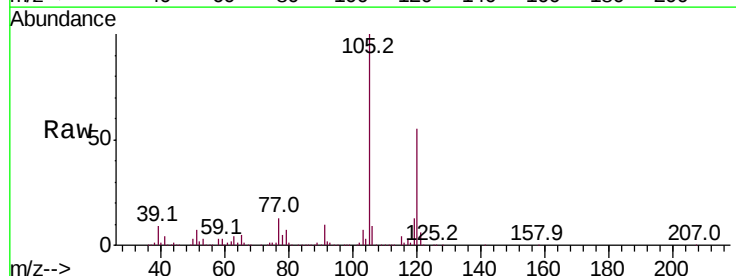
Acq: 7 Nov 2018 12:06

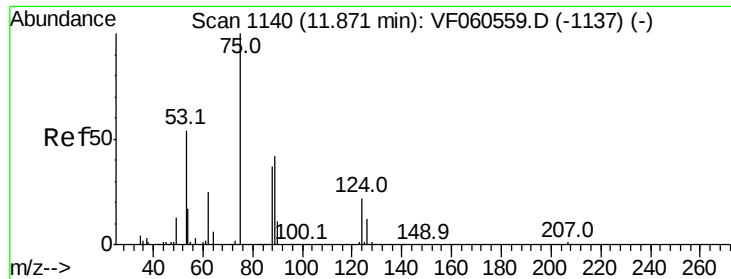
Tgt Ion: 105 Resp: 650711

Ion Ratio Lower Upper

105 100

120 54.7 27.6 82.8





#81

trans-1,4-Dichloro-2-butene

Concen: 63.466 ug/l

RT: 11.87 min Scan# 1140

Delta R.T. 0.00 min

Lab File: VF060625.D

Acq: 7 Nov 2018 12:06

Instrument :

MSVOA_F

ClientSampleId :

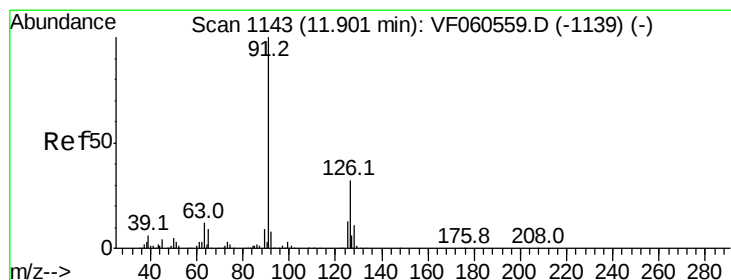
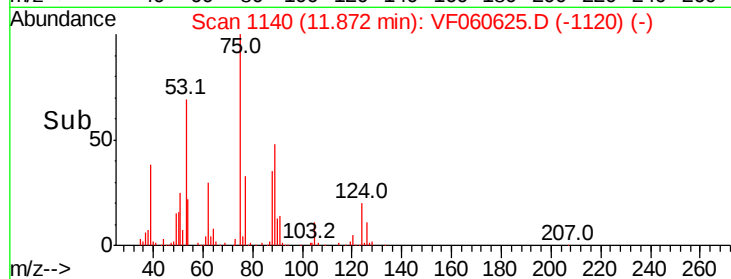
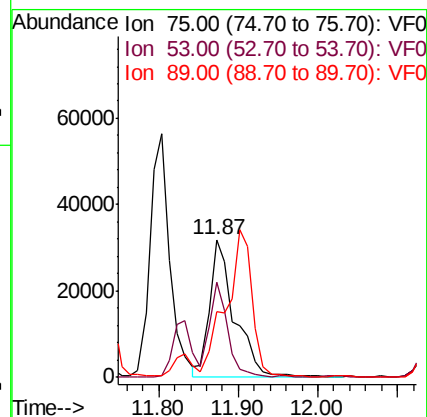
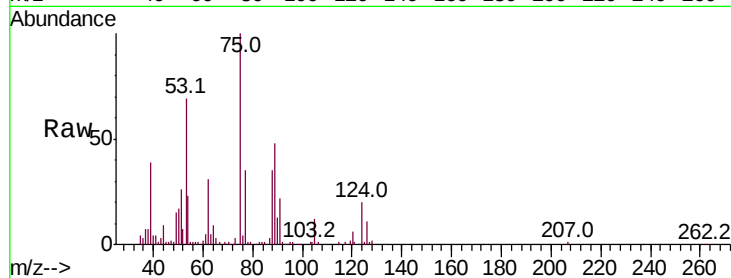
Tot Ion: 75 Resp: 69130

Ion Ratio Lower Upper

75 100

53 69.4 51.6 77.4

89 47.8 36.7 55.1



#82

4-Chlorotoluene

Concen: 50.878 ug/l

RT: 11.90 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VF060625.D

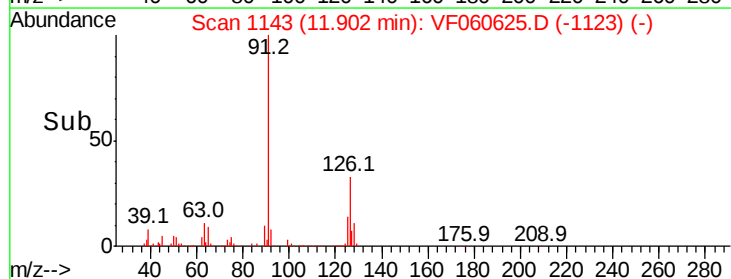
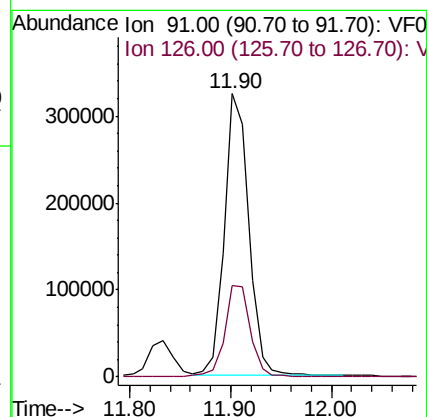
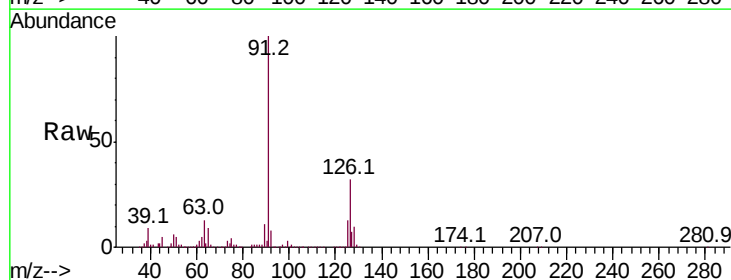
Acq: 7 Nov 2018 12:06

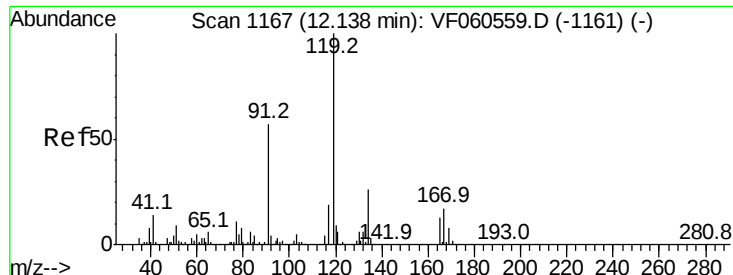
Tgt Ion: 91 Resp: 548006

Ion Ratio Lower Upper

91 100

126 32.3 15.9 47.7

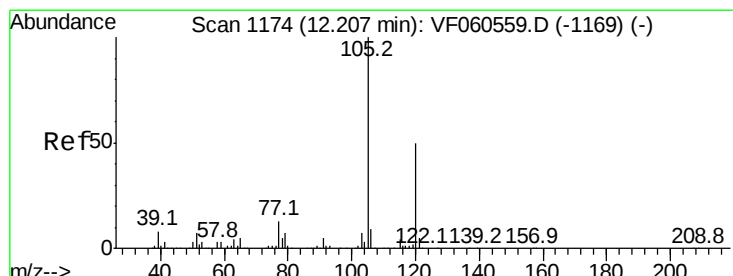
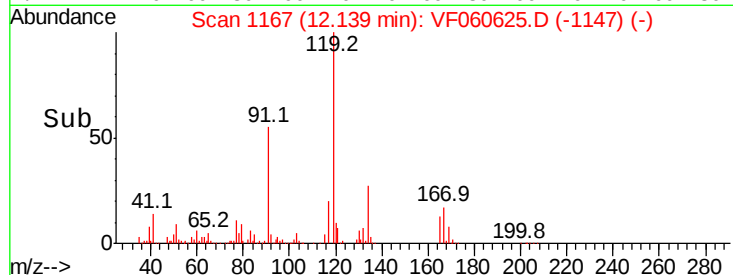
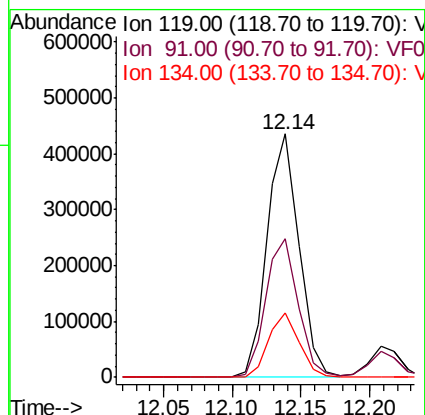
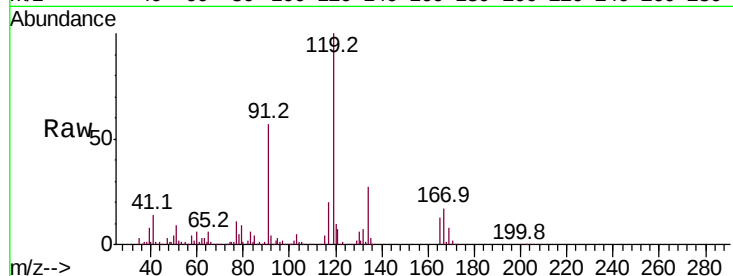




#83
tert-Butylbenzene
Concen: 54.127 ug/l
RT: 12.14 min Scan# 1167
Delta R.T. 0.00 min
Lab File: VF060625.D
Acq: 7 Nov 2018 12:06

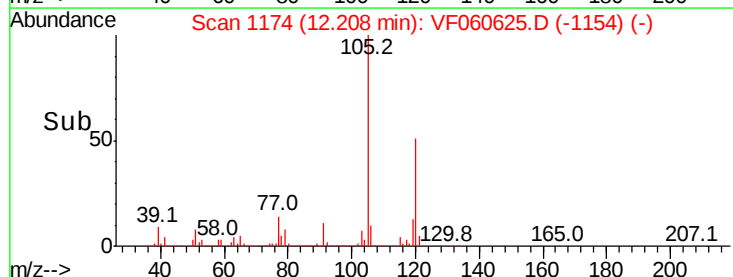
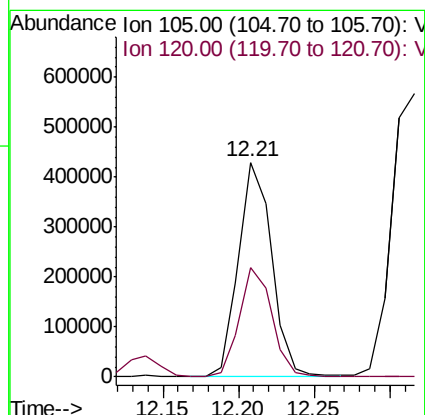
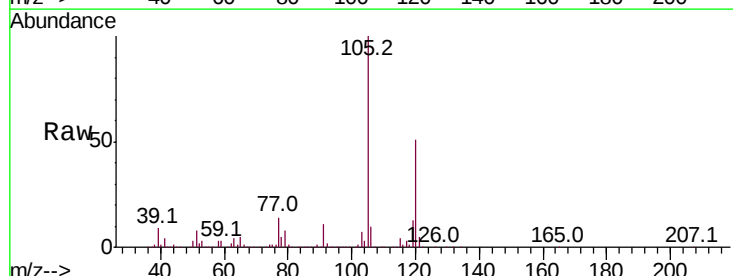
Instrument :
MSVOA_F
ClientSampleId :

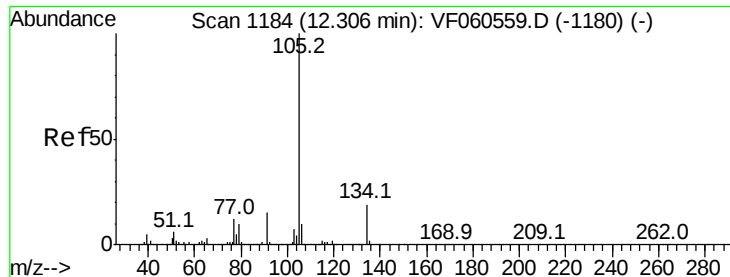
Tot Ion:119 Resp: 704216
Ion Ratio Lower Upper
119 100
91 56.7 28.8 86.4
134 26.6 13.2 39.6



#84
1,2,4-Trimethylbenzene
Concen: 52.950 ug/l
RT: 12.21 min Scan# 1174
Delta R.T. 0.00 min
Lab File: VF060625.D
Acq: 7 Nov 2018 12:06

Tgt Ion:105 Resp: 660376
Ion Ratio Lower Upper
105 100
120 50.8 25.6 76.8





#85

sec-Butylbenzene

Concen: 51.662 ug/l

RT: 12.32 min Scan# 1185

Delta R.T. 0.01 min

Lab File: VF060625.D

Acq: 7 Nov 2018 12:06

Instrument :

MSVOA_F

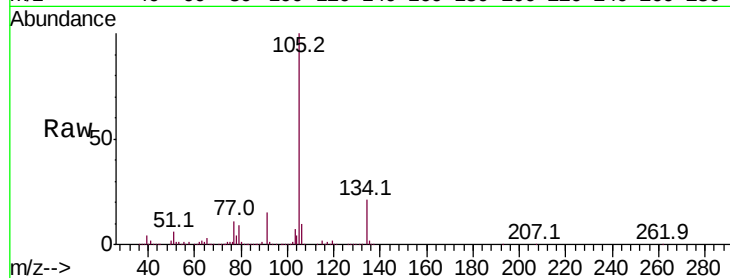
ClientSampled :

Tot Ion:105 Resp: 924621

Ion Ratio Lower Upper

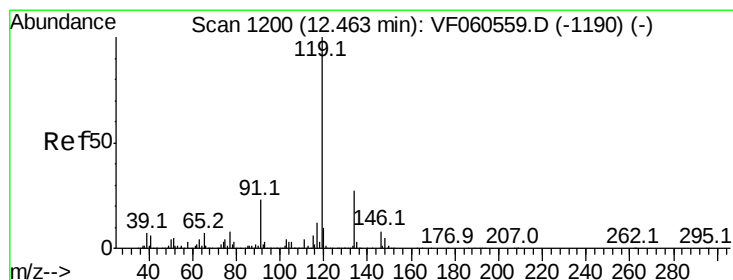
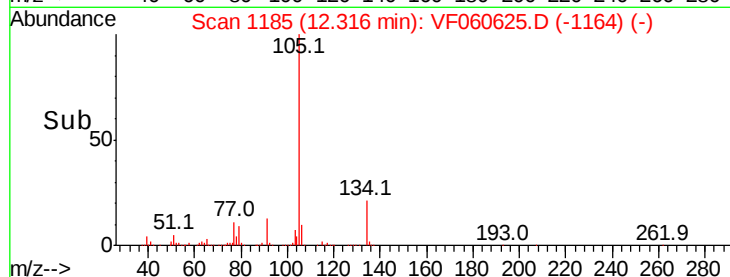
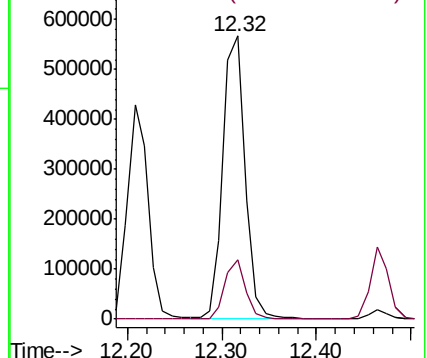
105 100

134 20.9 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 52.141 ug/l

RT: 12.46 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VF060625.D

Acq: 7 Nov 2018 12:06

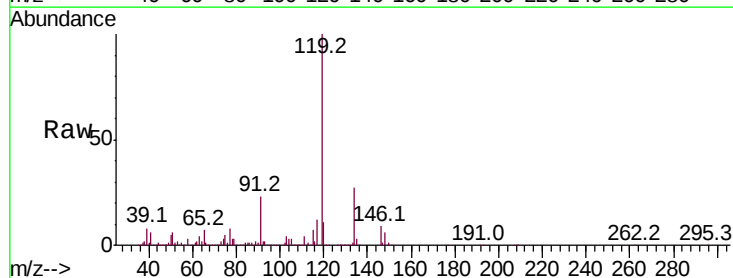
Tgt Ion:119 Resp: 768486

Ion Ratio Lower Upper

119 100

134 26.6 13.6 40.7

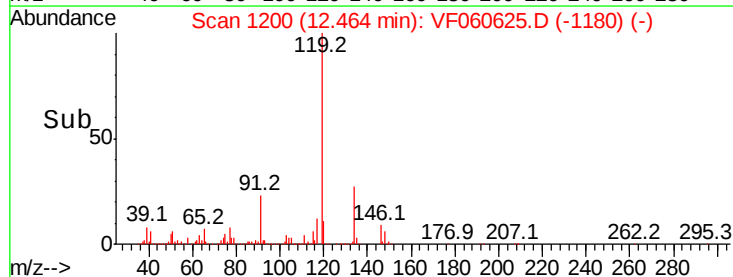
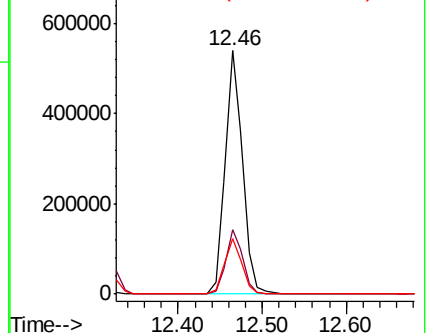
91 22.8 11.4 34.2

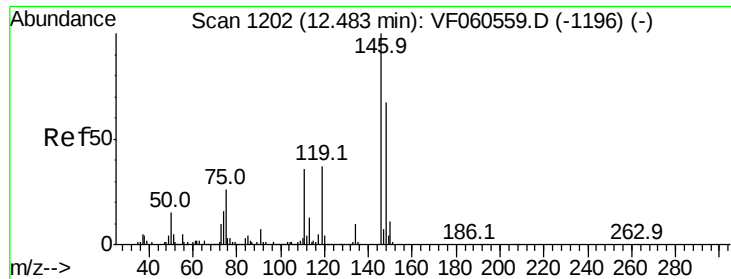


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 50.331 ug/l

RT: 12.48 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VF060625.D

Acq: 7 Nov 2018 12:06

Instrument :

MSVOA_F

ClientSampleId :

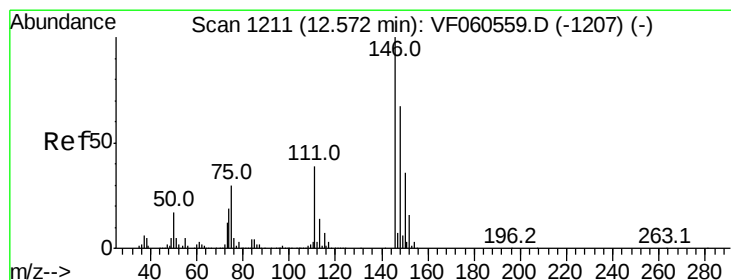
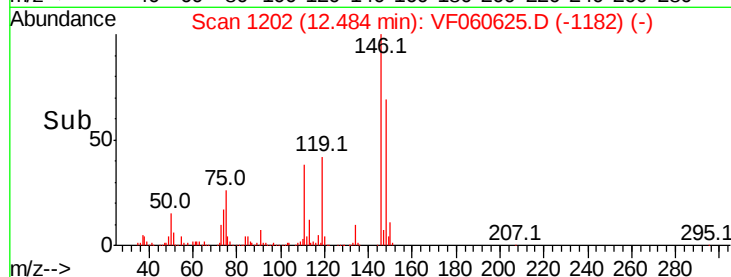
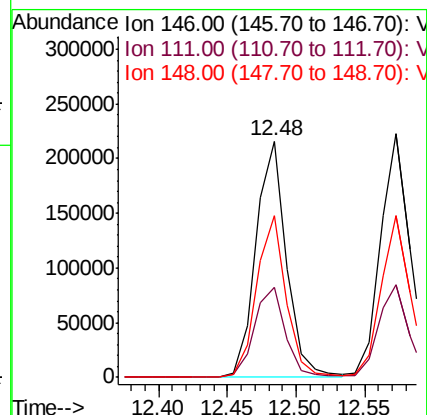
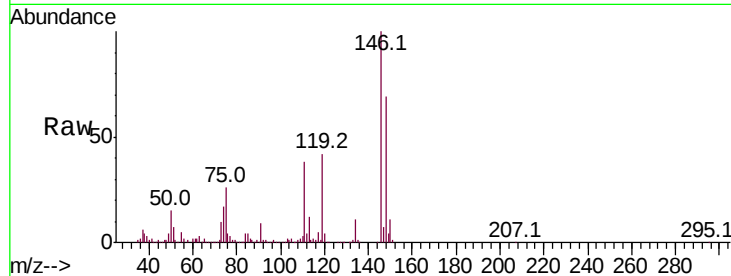
Tot Ion:146 Resp: 333982

Ion Ratio Lower Upper

146 100

111 38.1 18.3 54.8

148 68.7 33.5 100.4



#88

1,4-Dichlorobenzene

Concen: 53.137 ug/l

RT: 12.57 min Scan# 1211

Delta R.T. 0.00 min

Lab File: VF060625.D

Acq: 7 Nov 2018 12:06

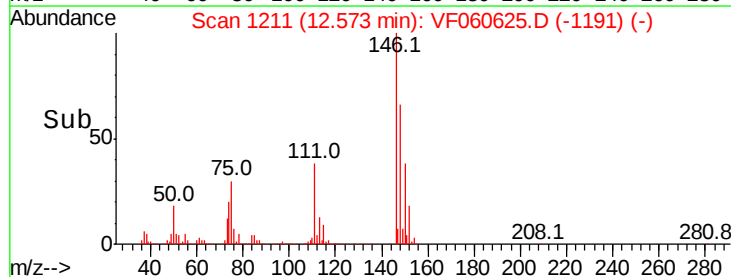
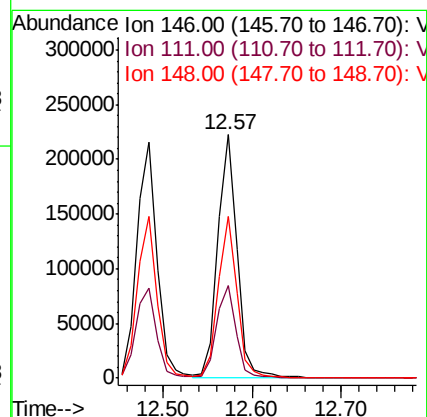
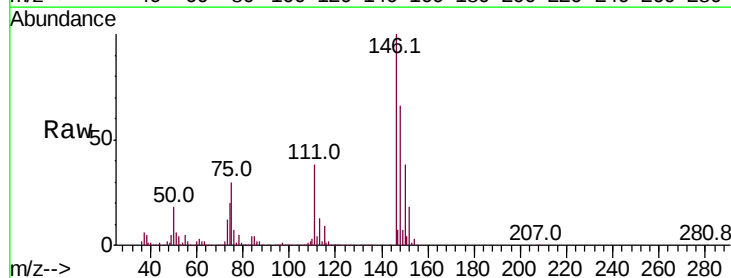
Tgt Ion:146 Resp: 334444

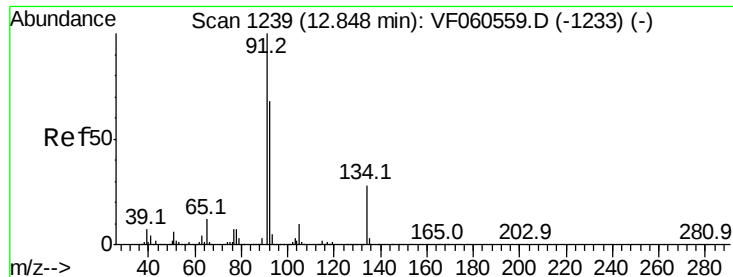
Ion Ratio Lower Upper

146 100

111 38.2 19.7 59.1

148 66.4 33.7 101.1

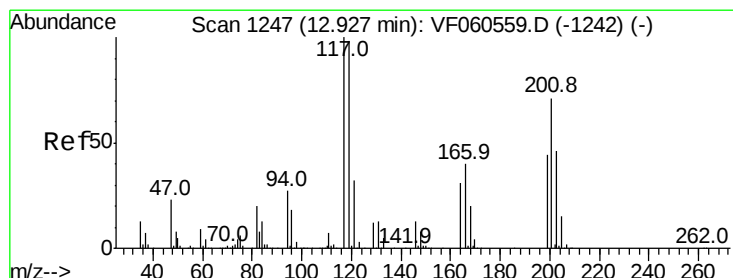
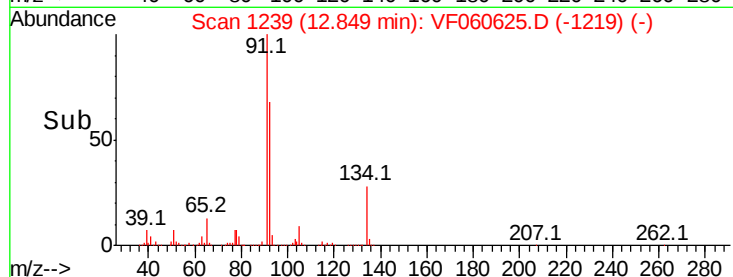
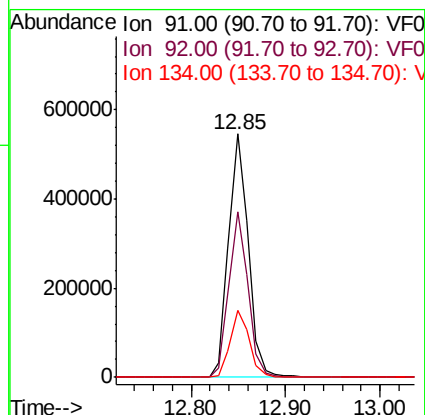
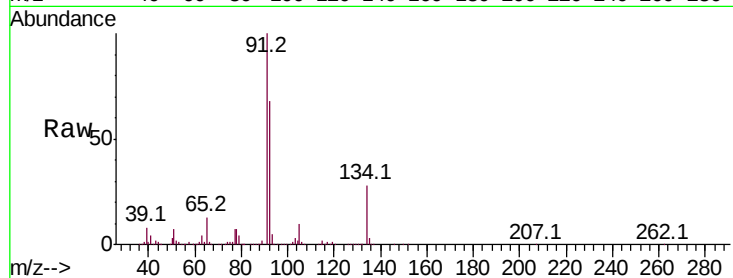




#89
n-Butylbenzene
Concen: 56.504 ug/l
RT: 12.85 min Scan# 1239
Delta R.T. 0.00 min
Lab File: VF060625.D
Acq: 7 Nov 2018 12:06

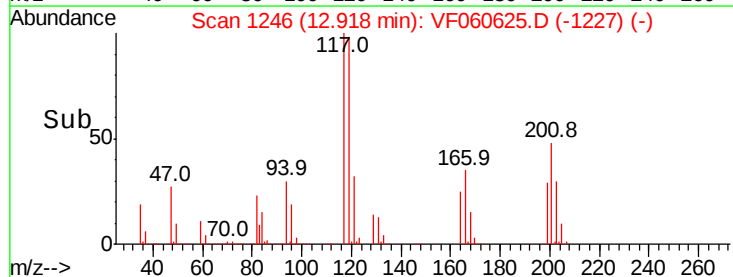
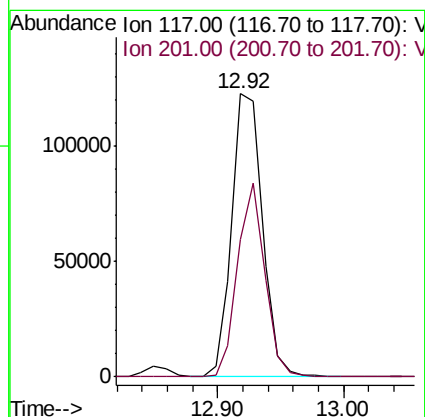
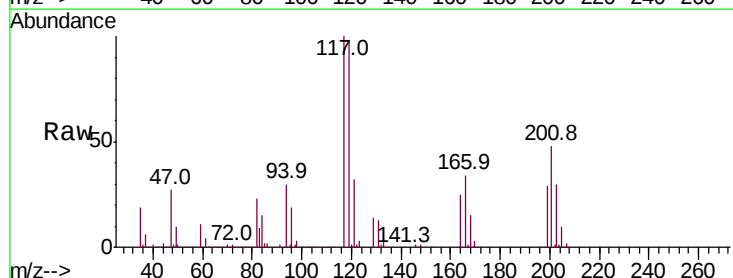
Instrument :
MSVOA_F
ClientSampleId :

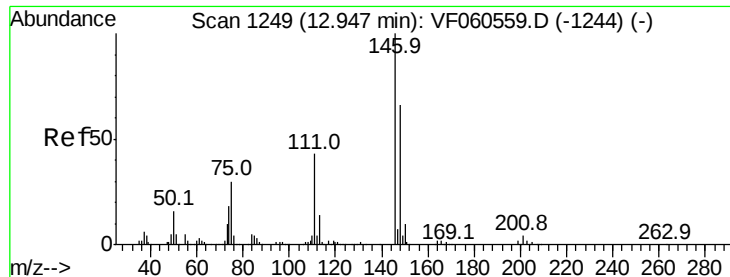
Tot Ion	Ratio	Lower	Upper
91	100		
92	67.8	34.1	102.2
134	27.6	13.9	41.6



#90
Hexachloroethane
Concen: 54.792 ug/l
RT: 12.92 min Scan# 1246
Delta R.T. -0.01 min
Lab File: VF060625.D
Acq: 7 Nov 2018 12:06

Tgt Ion	Ratio	Lower	Upper
117	100		
201	48.3	35.2	105.6





#91

1,2-Dichlorobenzene

Concen: 50.760 ug/l

RT: 12.95 min Scan# 1249

Delta R.T. 0.00 min

Lab File: VF060625.D

Acq: 7 Nov 2018 12:06

Instrument :

MSVOA_F

ClientSampleId :

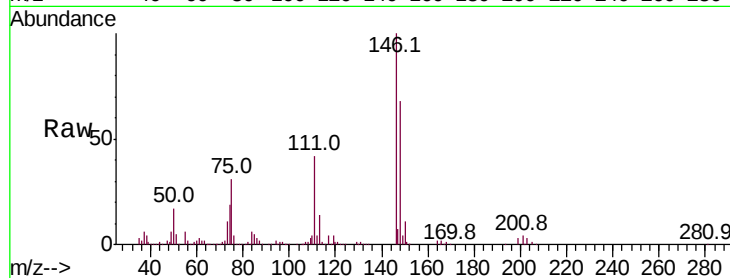
Tot Ion:146 Resp: 315119

Ion Ratio Lower Upper

146 100

111 42.3 21.3 64.0

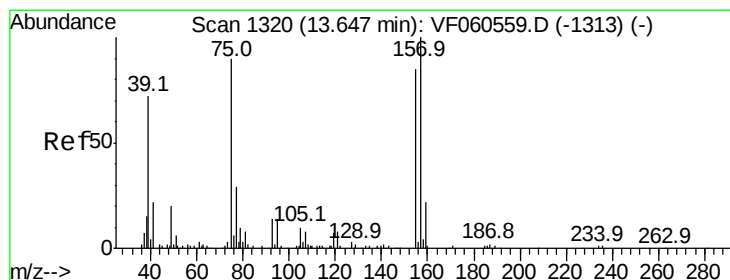
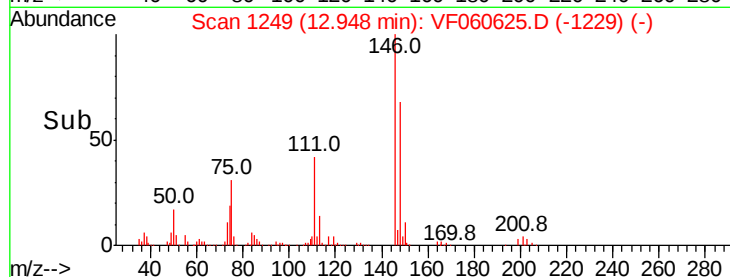
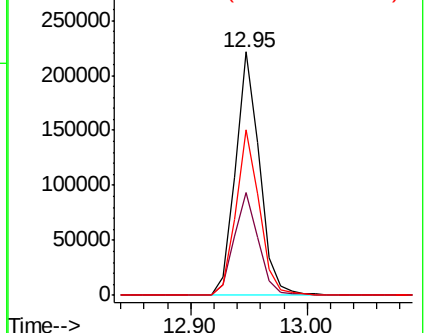
148 68.2 32.9 98.7



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: 52.483 ug/l

RT: 13.65 min Scan# 1320

Delta R.T. 0.00 min

Lab File: VF060625.D

Acq: 7 Nov 2018 12:06

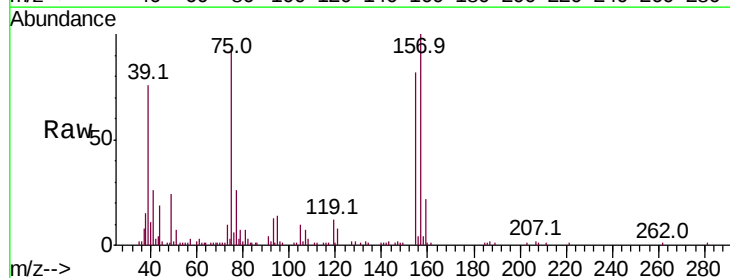
Tgt Ion: 75 Resp: 25715

Ion Ratio Lower Upper

75 100

155 88.1 47.3 141.8

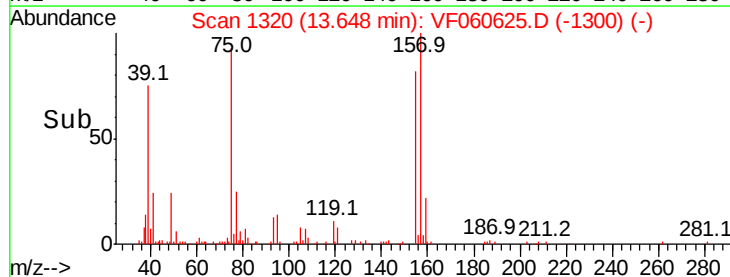
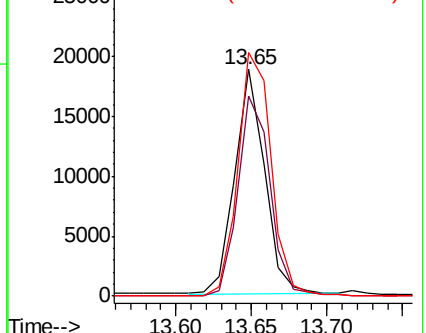
157 107.3 55.3 165.9

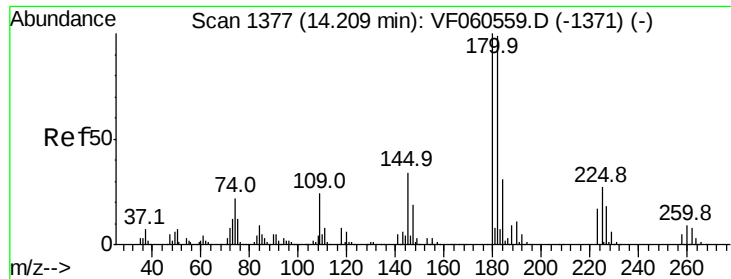


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

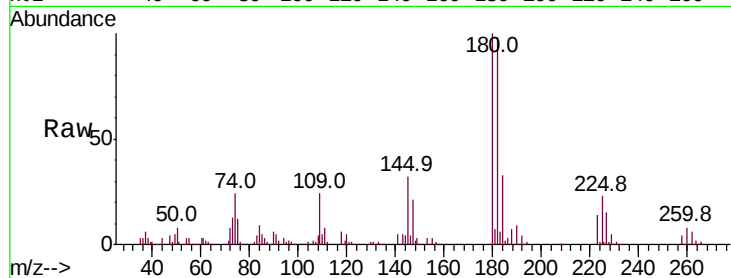




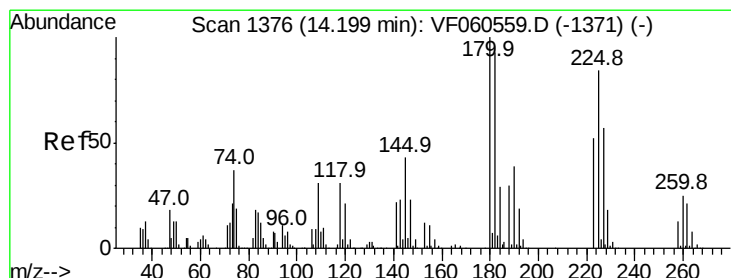
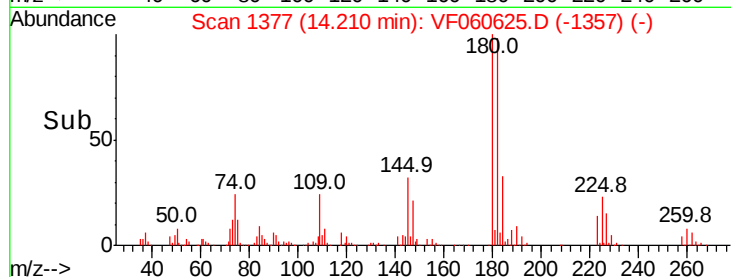
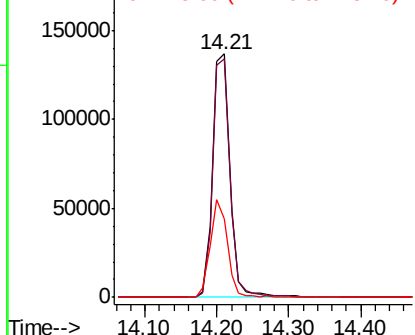
#93
 1,2,4-Trichlorobenzene
 Concen: 54.035 ug/l
 RT: 14.21 min Scan# 1377
 Delta R.T. 0.00 min
 Lab File: VF060625.D
 Acq: 7 Nov 2018 12:06

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.8	49.7	149.1
145	32.1	16.9	50.7

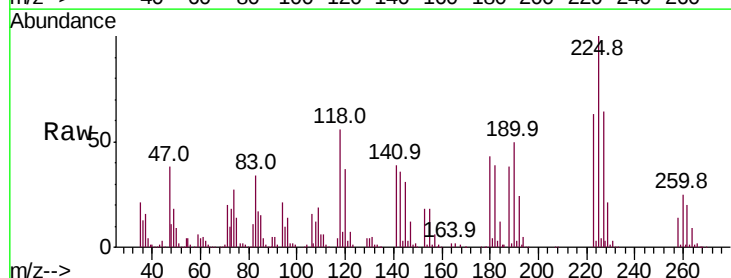


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

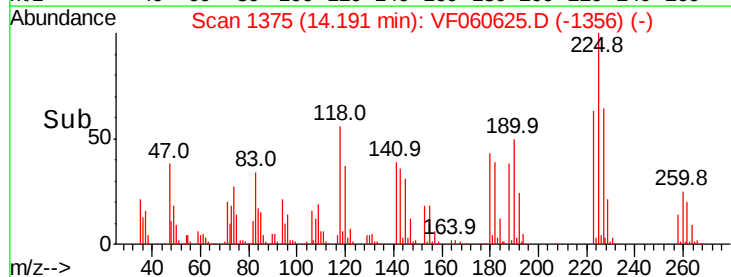
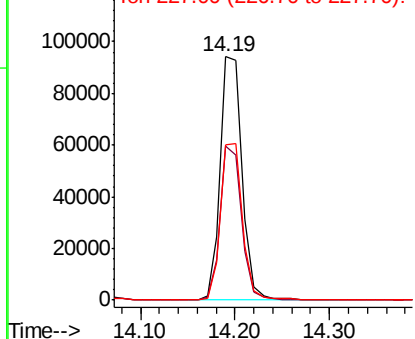


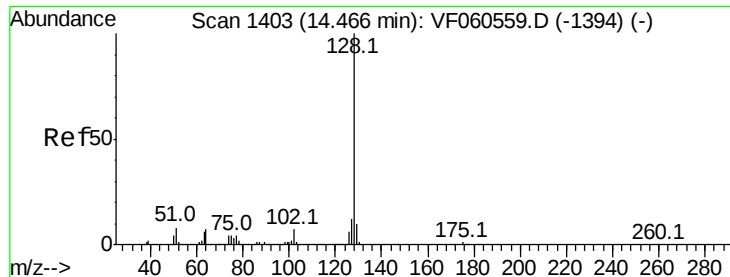
#94
 Hexachlorobutadiene
 Concen: 55.131 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.01 min
 Lab File: VF060625.D
 Acq: 7 Nov 2018 12:06

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.4	30.9	92.5
227	63.7	33.9	101.6



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V





#95

Naphthalene

Concen: 54.138 ug/l

RT: 14.46 min Scan# 1402

Delta R.T. -0.01 min

Lab File: VF060625.D

Acq: 7 Nov 2018 12:06

Instrument :

MSVOA_F

ClientSampleId :

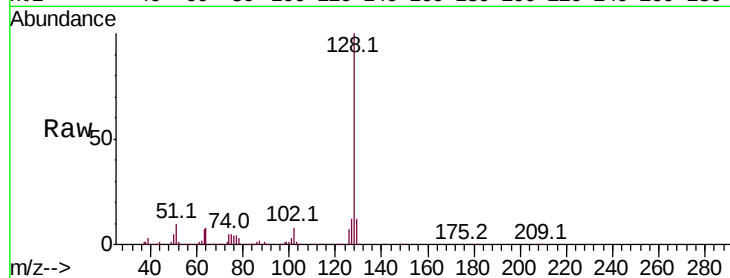
Tot Ion:128 Resp: 456997

Ion Ratio Lower Upper

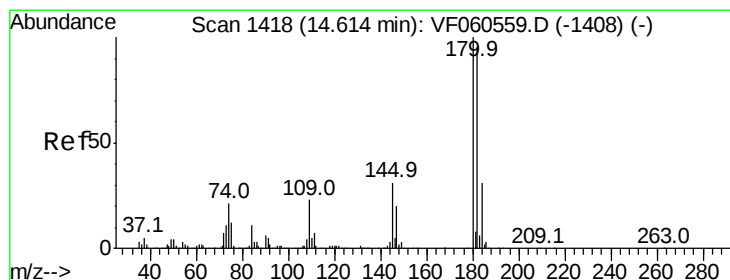
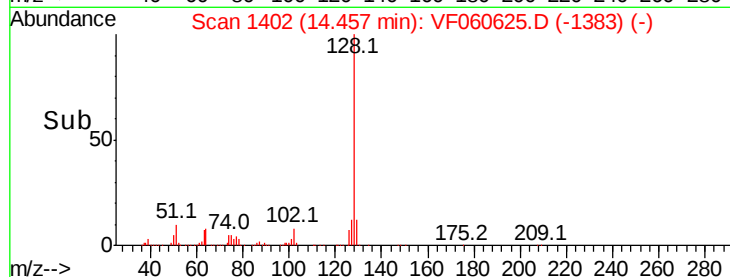
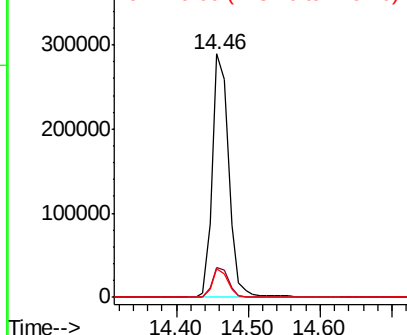
128 100

127 12.4 9.4 14.0

129 11.7 8.4 12.6



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: 53.858 ug/l

RT: 14.60 min Scan# 1417

Delta R.T. -0.01 min

Lab File: VF060625.D

Acq: 7 Nov 2018 12:06

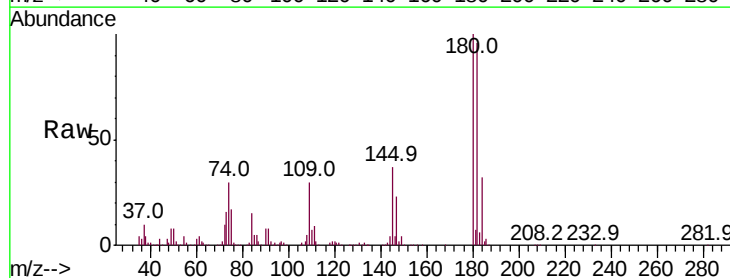
Tgt Ion:180 Resp: 214571

Ion Ratio Lower Upper

180 100

182 95.6 47.3 142.0

145 37.1 15.6 46.8



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

