

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF122418\
 Data File : VF061159.D
 Acq On : 24 Dec 2018 12:19
 Operator : VA/AP
 Sample : VF1224SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Dec 24 23:46:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 00:56:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	215556	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	372485	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.78	117	336747	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	164559	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.85	65	133133	48.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.04%	
35) Dibromofluoromethane	4.12	113	150955	50.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.18%	
50) Toluene-d8	7.56	98	423841	50.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.24%	
62) 4-Bromofluorobenzene	11.41	95	196420	50.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.78%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	0.96	85	83398	17.405	ug/l 94
3) Chloromethane	1.10	50	61002	22.225	ug/l 98
4) Vinyl Chloride	1.14	62	54770	21.511	ug/l 88
5) Bromomethane	1.32	94	36080	20.430	ug/l 100
6) Chloroethane	1.38	64	23636	20.146	ug/l 92
7) Trichlorofluoromethane	1.49	101	87861	18.072	ug/l 99
8) Diethyl Ether	1.63	74	13944	20.945	ug/l 93
9) 1,1,2-Trichlorotrifluoroet	1.83	101	51576	20.461	ug/l 89
10) Methyl Iodide	1.90	142	66135	16.644	ug/l # 84
11) Tert butyl alcohol	2.57	59	12352	110.406	ug/l 98
12) 1,1-Dichloroethene	1.79	96	42174	22.195	ug/l 94
13) Acrolein	2.00	56	9262	114.568	ug/l 97
14) Allyl chloride	2.09	41	53659	27.136	ug/l 89
15) Acrylonitrile	2.94	53	31164	120.461	ug/l 91
16) Acetone	2.23	43	60791	109.684	ug/l 94
17) Carbon Disulfide	1.83	76	117422	20.449	ug/l # 93
18) Methyl Acetate	2.43	43	25245	22.016	ug/l 99
19) Methyl tert-butyl Ether	2.43	73	82272	19.507	ug/l 99
20) Methylene Chloride	2.24	84	39973	19.862	ug/l 91
21) trans-1,2-Dichloroethene	2.30	96	37045	18.228	ug/l 94
22) Diisopropyl ether	2.79	45	141286	21.450	ug/l 92
23) Vinyl Acetate	3.19	43	345371	113.661	ug/l 100
24) 1,1-Dichloroethane	2.86	63	83739	21.457	ug/l 99
25) 2-Butanone	4.34	43	104901	116.704	ug/l 97
26) 2,2-Dichloropropane	3.59	77	46114	20.590	ug/l 96
27) cis-1,2-Dichloroethene	3.47	96	67500	21.695	ug/l 98
28) Bromochloromethane	3.72	49	45671	23.064	ug/l 88
29) Tetrahydrofuran	4.08	42	43419	118.680	ug/l 96
30) Chloroform	3.86	83	111127	18.991	ug/l 94
31) Cyclohexane	3.68	56	59226	14.625	ug/l 94
32) 1,1,1-Trichloroethane	4.09	97	68210	19.448	ug/l 97
36) 1,1-Dichloropropene	4.27	75	85547	19.027	ug/l 99
37) Ethyl Acetate	4.12	43	38326	19.747	ug/l 88
38) Carbon Tetrachloride	3.99	117	66699	19.480	ug/l 97

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 MSVOA_F
 ClientSampleId :

Quant Time: Dec 24 23:46:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 00:56:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	93279	23.125	ug/l	96
40) Benzene	4.63	78	211760	21.901	ug/l	98
41) Methacrylonitrile	4.75	41	22513	23.709	ug/l	92
42) 1,2-Dichloroethane	4.94	62	64335	17.515	ug/l	98
43) Isopropyl Acetate	6.96	43	49268	22.694	ug/l	92
44) Trichloroethene	5.50	130	62801	20.601	ug/l	94
45) 1,2-Dichloropropane	6.24	63	54271	20.631	ug/l	99
46) Dibromomethane	6.09	93	32894	19.279	ug/l	96
47) Bromodichloromethane	6.38	83	87585	19.757	ug/l	99
48) Methyl methacrylate	6.72	41	34243	22.594	ug/l	94
49) 1,4-Dioxane	6.71	88	4852	441.214	ug/l #	89
51) 4-Methyl-2-Pentanone	8.26	43	168547	113.203	ug/l	98
52) Toluene	7.63	92	129880	20.293	ug/l	95
53) t-1,3-Dichloropropene	8.28	75	74447	20.817	ug/l	98
54) cis-1,3-Dichloropropene	7.30	75	91291	20.339	ug/l	95
55) 1,1,2-Trichloroethane	8.49	97	38337	19.980	ug/l	95
56) Ethyl methacrylate	8.62	69	45742	22.031	ug/l	97
57) 1,3-Dichloropropane	8.86	76	71845	20.703	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.29	63	45175	113.291	ug/l	97
59) 2-Hexanone	9.49	43	121179	112.543	ug/l	100
60) Dibromochloromethane	8.72	129	56620	20.586	ug/l	94
61) 1,2-Dibromoethane	8.99	107	39273	19.165	ug/l	95
64) Tetrachloroethene	8.16	164	54037	20.860	ug/l	92
65) Chlorobenzene	9.80	112	147106	21.146	ug/l	94
66) 1,1,1,2-Tetrachloroethane	9.94	131	55009	19.349	ug/l	99
67) Ethyl Benzene	9.91	91	270036	21.307	ug/l	97
68) m/p-Xylenes	10.13	106	201577	45.194	ug/l	98
69) o-Xylene	10.71	106	104670	21.159	ug/l	95
70) Styrene	10.79	104	145254	21.294	ug/l	99
71) Bromoform	10.77	173	26641	20.255	ug/l #	95
73) Isopropylbenzene	11.13	105	312633	22.046	ug/l	99
74) N-amyl acetate	11.38	43	74656	23.712	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.70	83	53347	22.666	ug/l	98
76) 1,2,3-Trichloropropane	11.80	75	36179	20.656	ug/l	98
77) Bromobenzene	11.49	156	64289	21.060	ug/l	94
78) n-propylbenzene	11.59	91	374177	20.347	ug/l	97
79) 2-Chlorotoluene	11.72	91	213874	21.985	ug/l	97
80) 1,3,5-Trimethylbenzene	11.83	105	247082	21.160	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.87	75	23553	31.294	ug/l	89
82) 4-Chlorotoluene	11.90	91	216309	21.494	ug/l	99
83) tert-Butylbenzene	12.13	119	255493	21.263	ug/l	99
84) 1,2,4-Trimethylbenzene	12.20	105	250639	21.524	ug/l	97
85) sec-Butylbenzene	12.31	105	352849	22.502	ug/l	97
86) p-Isopropyltoluene	12.46	119	287812	22.113	ug/l	99
87) 1,3-Dichlorobenzene	12.48	146	124496	21.975	ug/l	99
88) 1,4-Dichlorobenzene	12.57	146	114799	20.480	ug/l	97
89) n-Butylbenzene	12.85	91	298484	20.011	ug/l	94
90) Hexachloroethane	12.92	117	65922	20.500	ug/l	79
91) 1,2-Dichlorobenzene	12.94	146	114274	20.939	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.64	75	8570	19.843	ug/l	90

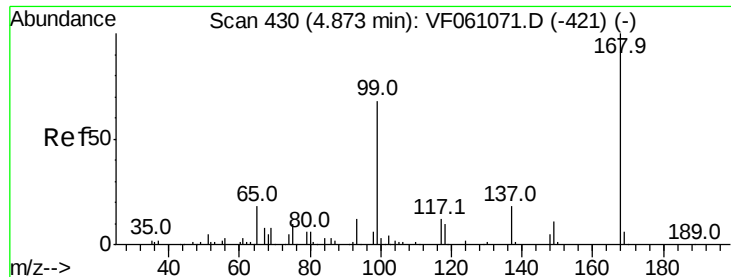
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF122418\
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Quant Title : SW846 8260
QLast Update : Thu Dec 20 00:56:59 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	81057	20.943	ug/l	92
94) Hexachlorobutadiene	14.20	225	52264	21.202	ug/l	99
95) Naphthalene	14.45	128	145901	20.644	ug/l	97
96) 1,2,3-Trichlorobenzene	14.60	180	72657	20.307	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.01 min

Lab File: VF061159.D

Acq: 24 Dec 2018 12:19

Instrument :

MSVOA_F

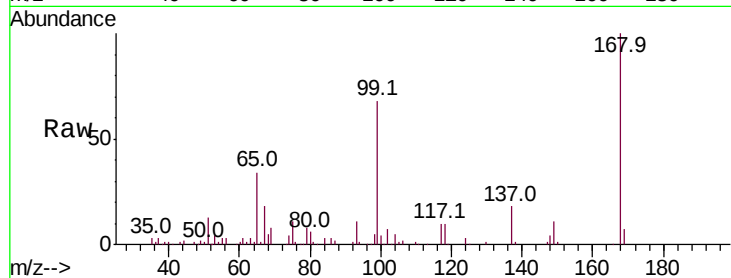
ClientSampled :

Tot Ion:168 Resp: 215556

Ion Ratio Lower Upper

168 100

99 67.9 54.4 81.6



Abundance Ion 168.00 (167.70 to 168.70): VF061159.D (-410) (-)

Ion 99.00 (98.70 to 99.70): VF061159.D (-410) (-)

4.86

60000

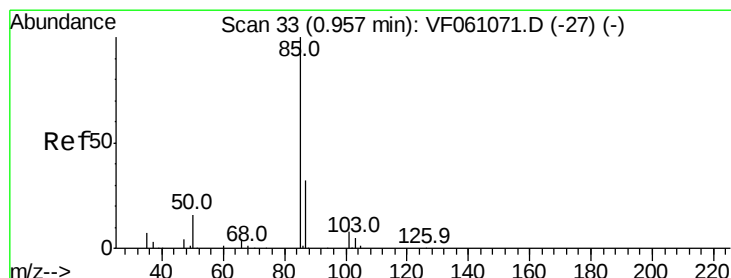
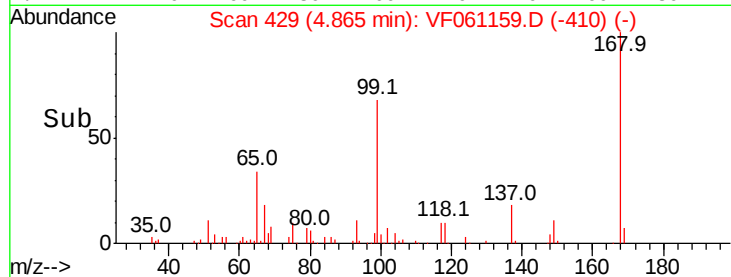
40000

20000

0

Time-->

4.70 4.80 4.90 5.00



#2

Dichlorodifluoromethane

Concen: 17.405 ug/l

RT: 0.96 min Scan# 33

Delta R.T. 0.00 min

Lab File: VF061159.D

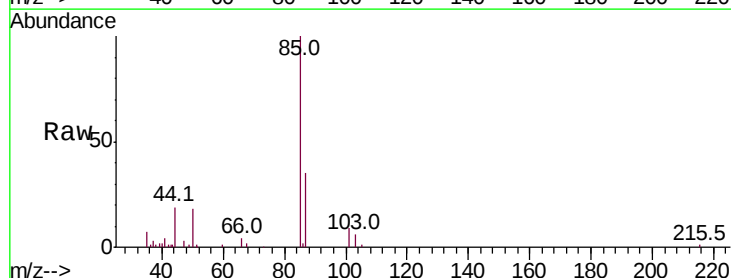
Acq: 24 Dec 2018 12:19

Tgt Ion: 85 Resp: 83398

Ion Ratio Lower Upper

85 100

87 35.1 15.9 47.6



Abundance Ion 85.00 (84.70 to 85.70): VF061159.D (-13) (-)

Ion 87.00 (86.70 to 87.70): VF061159.D (-13) (-)

0.96

25000

20000

15000

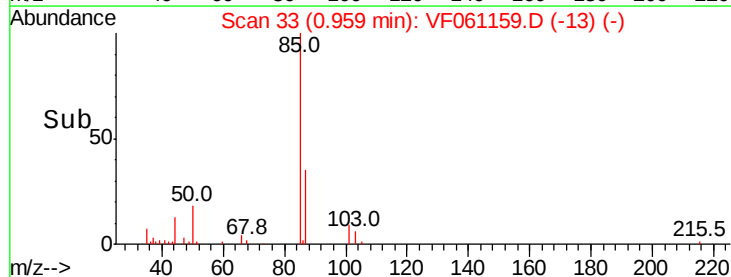
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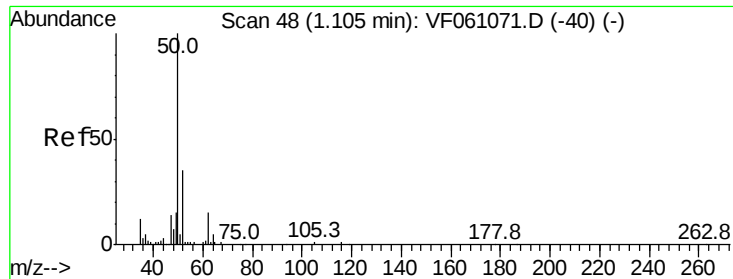
5000

0

Time-->

0.80 0.90 1.00 1.10





#3

Chloromethane

Concen: 22.225 ug/l

RT: 1.10 min Scan# 47

Delta R.T. -0.01 min

Lab File: VF061159.D

Acq: 24 Dec 2018 12:19

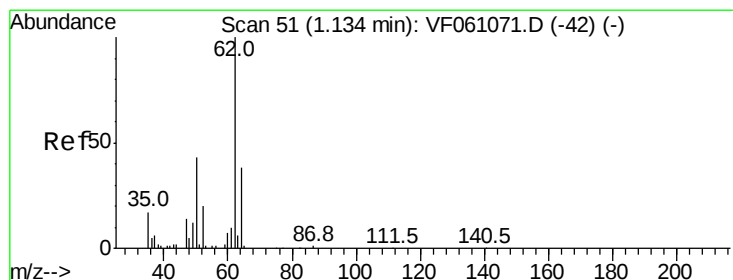
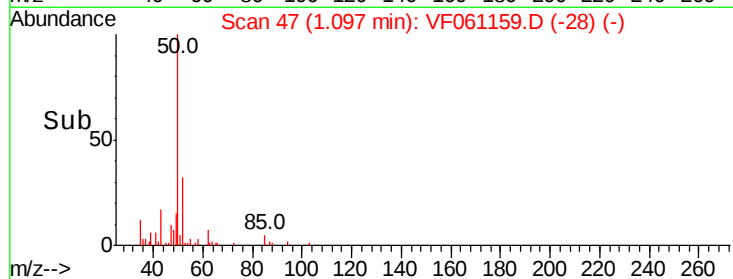
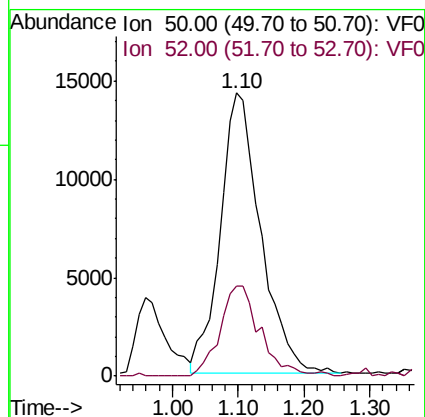
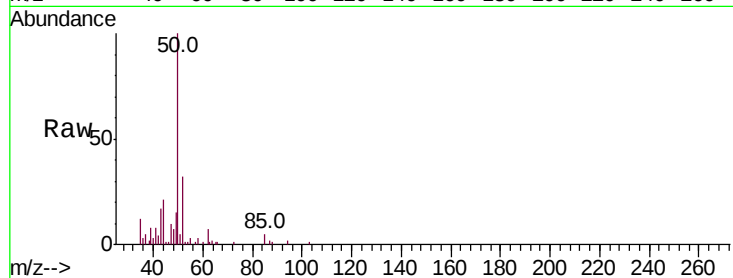
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 50 Resp: 61002

Ion Ratio Lower Upper

50 100

52 31.9 26.3 39.5



#4

Vinyl Chloride

Concen: 21.511 ug/l

RT: 1.14 min Scan# 51

Delta R.T. 0.00 min

Lab File: VF061159.D

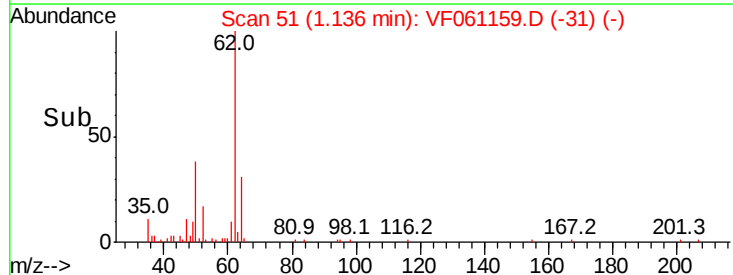
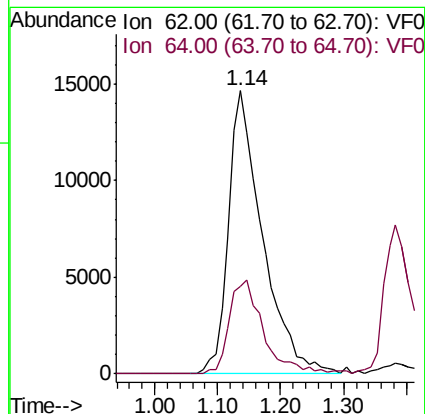
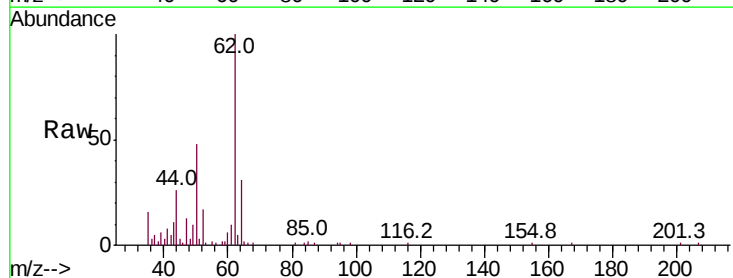
Acq: 24 Dec 2018 12:19

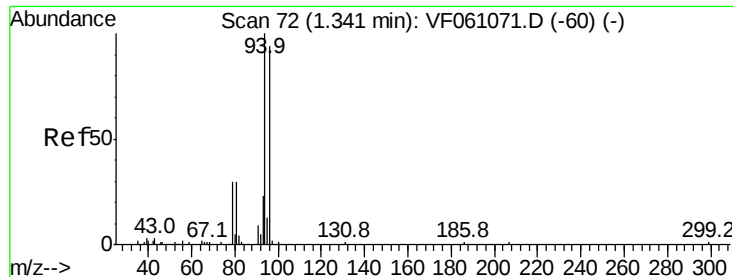
Tgt Ion: 62 Resp: 54770

Ion Ratio Lower Upper

62 100

64 31.1 30.4 45.6





#5

Bromomethane

Concen: 20.430 ug/l

RT: 1.32 min Scan# 70

Delta R.T. -0.02 min

Lab File: VF061159.D

Acq: 24 Dec 2018 12:19

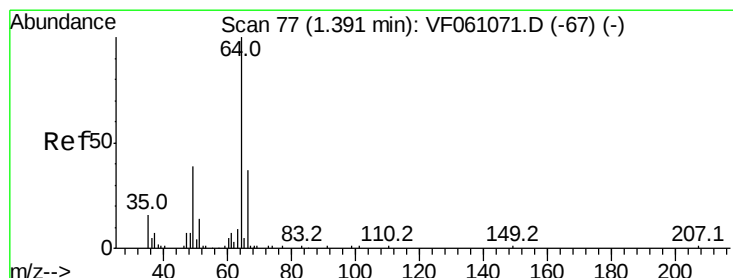
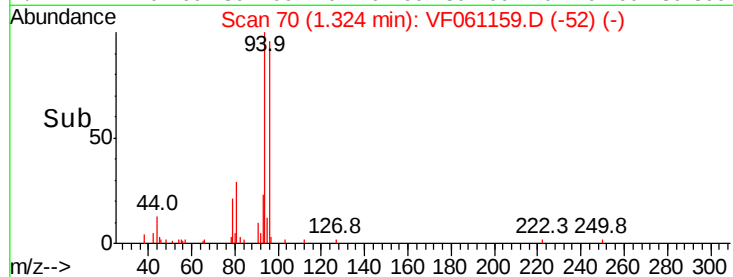
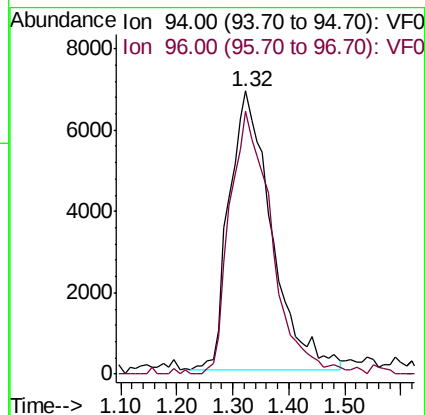
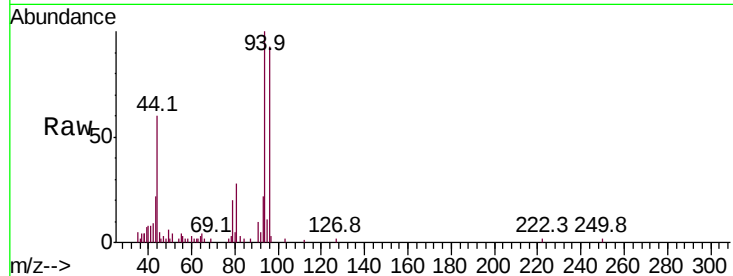
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 94 Resp: 36080

Ion Ratio Lower Upper

94 100

96 92.8 74.4 111.6



#6

Chloroethane

Concen: 20.146 ug/l

RT: 1.38 min Scan# 76

Delta R.T. -0.01 min

Lab File: VF061159.D

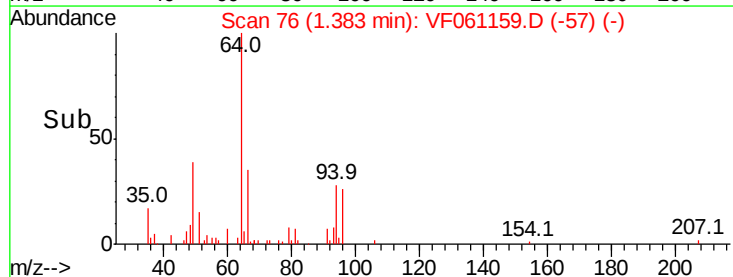
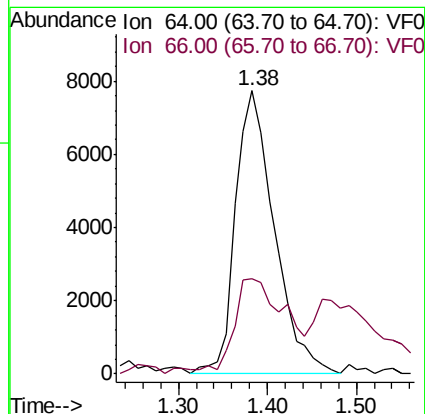
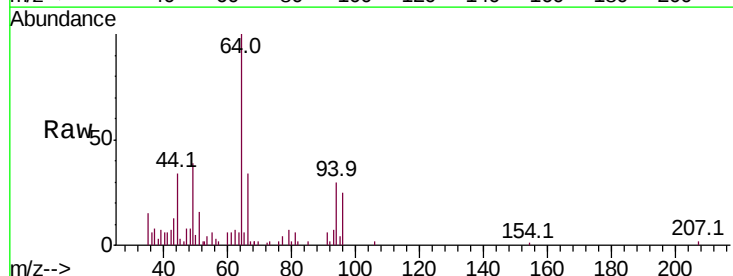
Acq: 24 Dec 2018 12:19

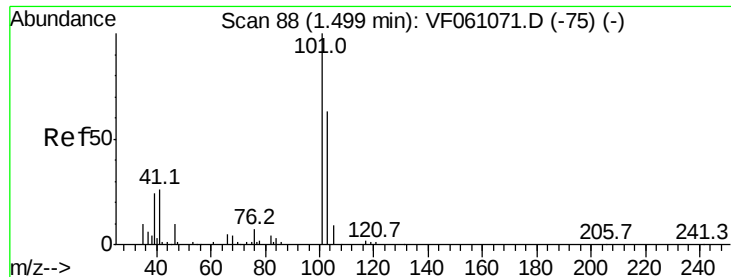
Tgt Ion: 64 Resp: 23636

Ion Ratio Lower Upper

64 100

66 33.7 30.9 46.3



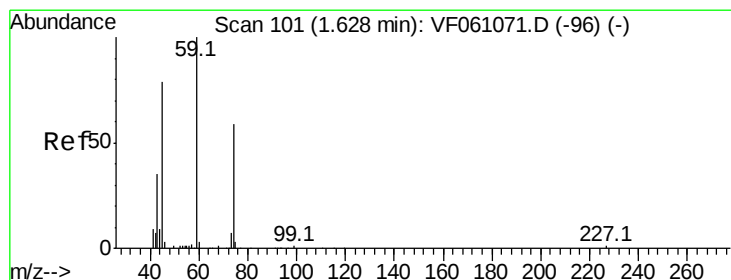
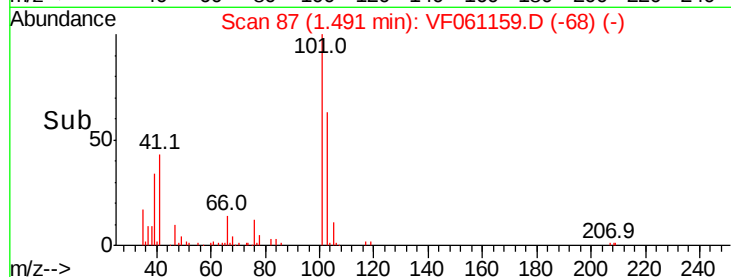
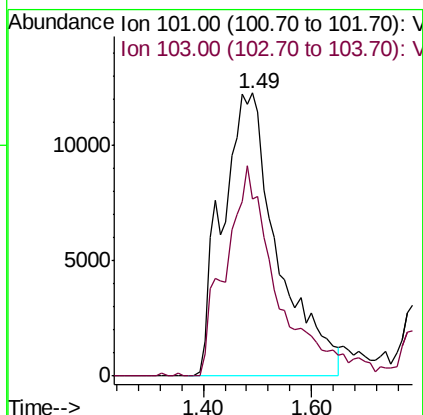
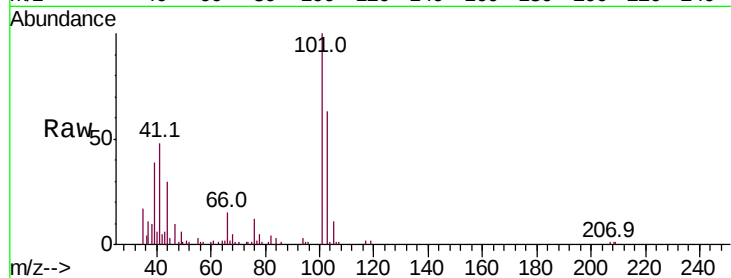


#7

Trichlorofluoromethane
 Concen: 18.072 ug/l
 RT: 1.49 min Scan# 87
 Delta R.T. -0.01 min
 Lab File: VF061159.D
 Acq: 24 Dec 2018 12:19

Instrument :
 MSVOA_F
 ClientSampleId :

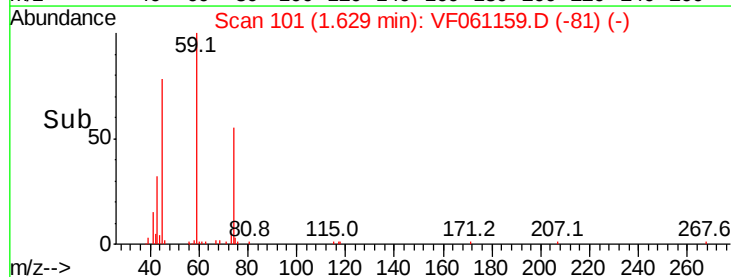
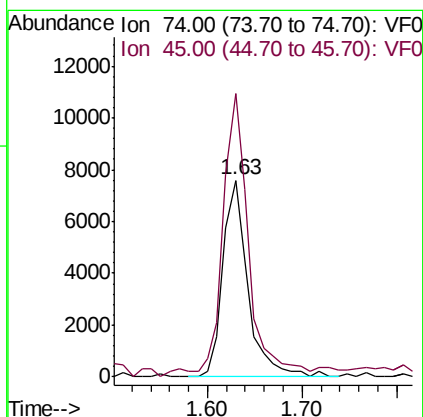
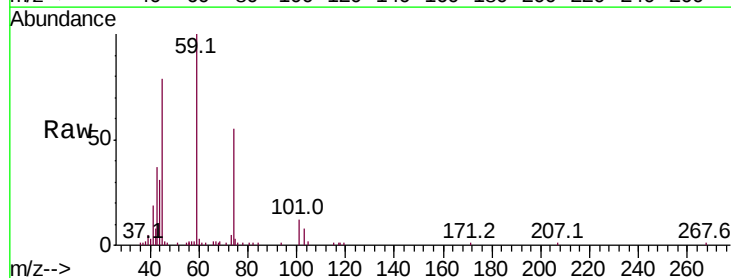
Tot Ion:101 Resp: 87861
 Ion Ratio Lower Upper
 101 100
 103 62.6 50.7 76.1

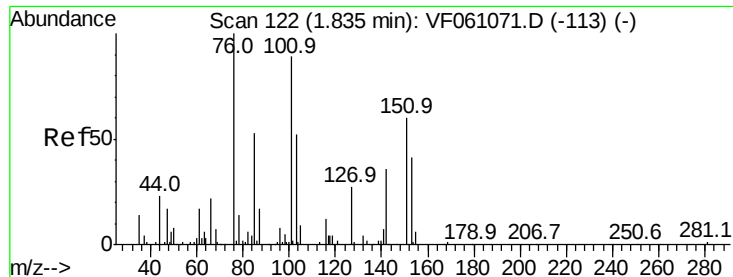


#8

Diethyl Ether
 Concen: 20.945 ug/l
 RT: 1.63 min Scan# 101
 Delta R.T. 0.00 min
 Lab File: VF061159.D
 Acq: 24 Dec 2018 12:19

Tgt Ion: 74 Resp: 13944
 Ion Ratio Lower Upper
 74 100
 45 144.0 67.8 203.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.461 ug/l

RT: 1.83 min Scan# 121

Delta R.T. -0.01 min

Lab File: VF061159.D

Acq: 24 Dec 2018 12:19

Instrument :

MSVOA_F

ClientSampleId :

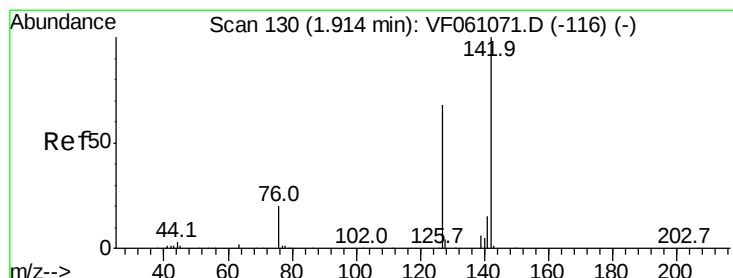
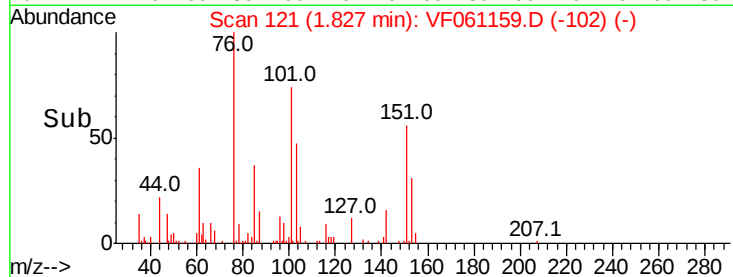
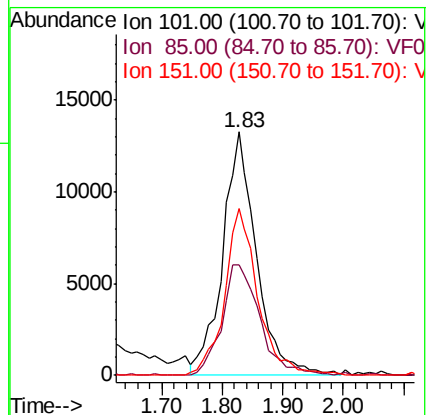
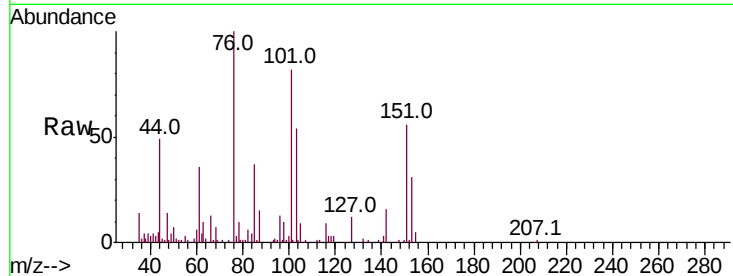
Tot Ion:101 Resp: 51576

Ion Ratio Lower Upper

101 100

85 45.3 44.5 66.7

151 68.8 49.9 74.9



#10

Methyl Iodide

Concen: 16.644 ug/l

RT: 1.90 min Scan# 128

Delta R.T. -0.02 min

Lab File: VF061159.D

Acq: 24 Dec 2018 12:19

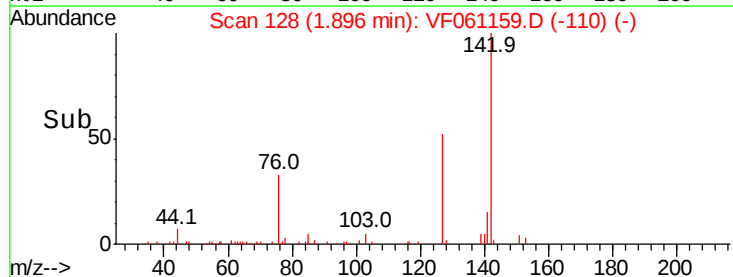
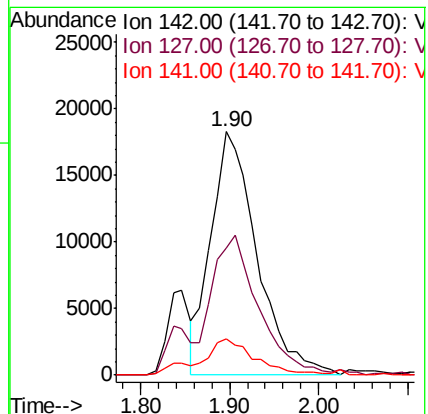
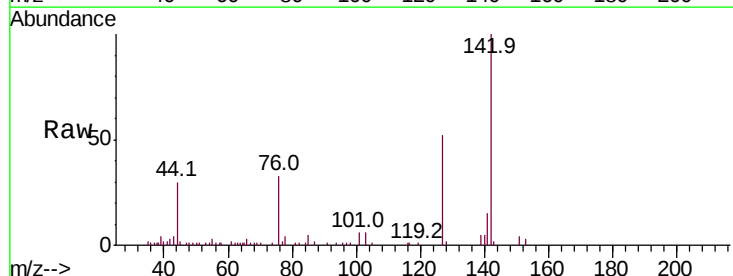
Tgt Ion:142 Resp: 66135

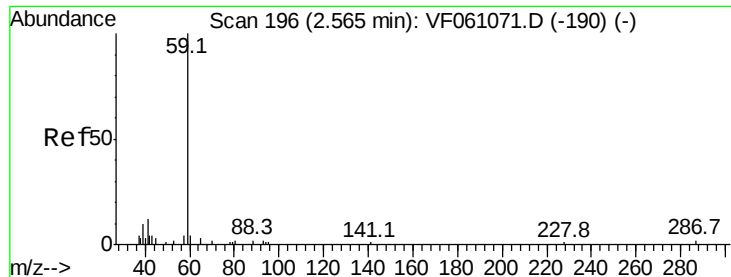
Ion Ratio Lower Upper

142 100

127 52.2 54.7 82.1#

141 14.9 12.2 18.2

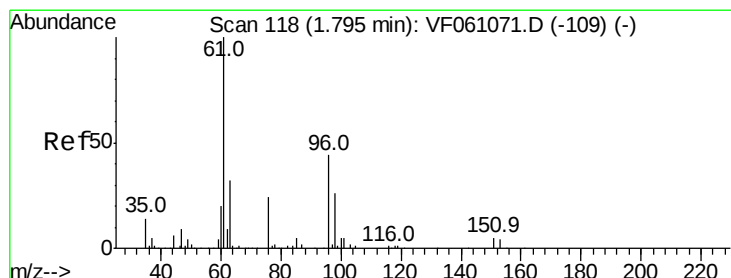
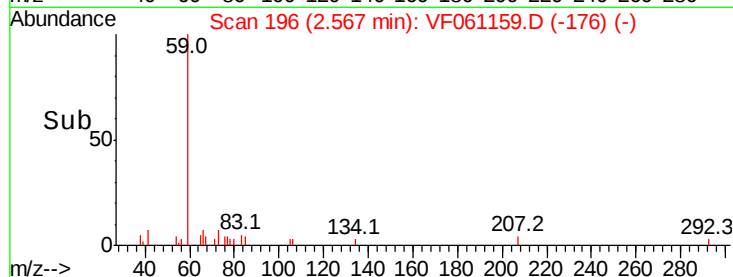
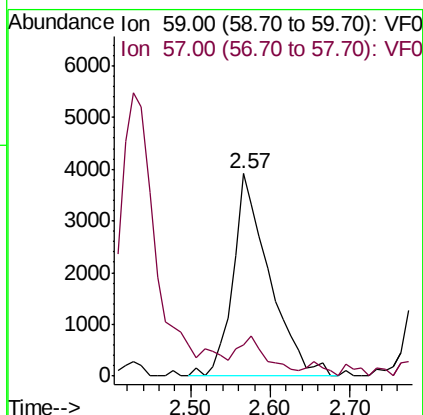
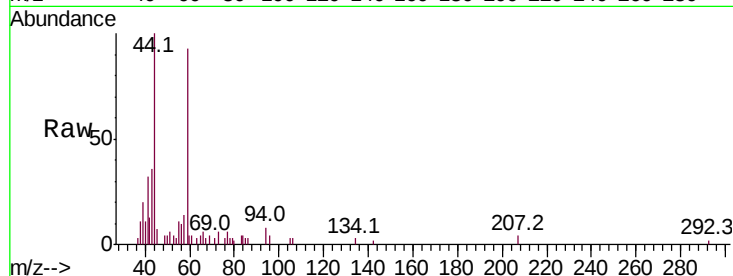




#11
Tert butyl alcohol
Concen: 110.406 ug/l
RT: 2.57 min Scan# 196
Delta R.T. 0.00 min
Lab File: VF061159.D
Acq: 24 Dec 2018 12:19

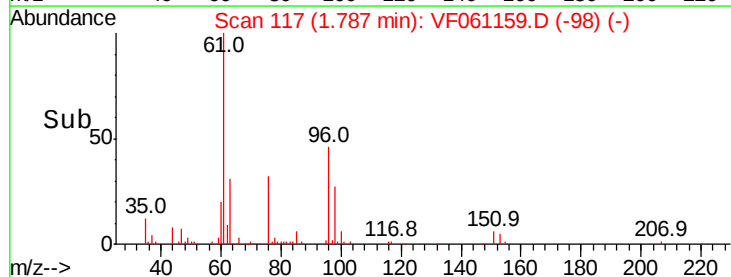
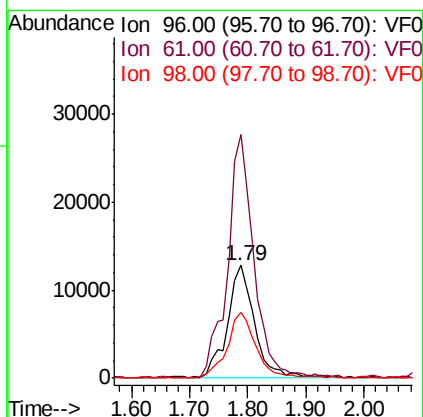
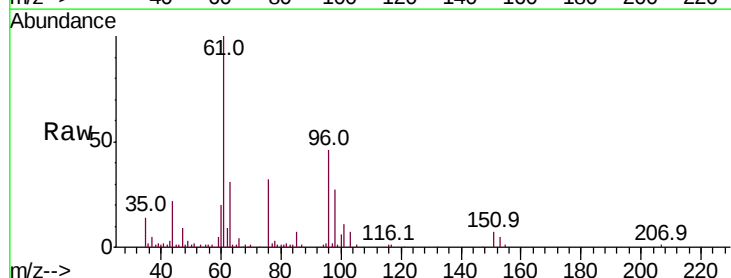
Instrument :
MSVOA_F
ClientSampled :

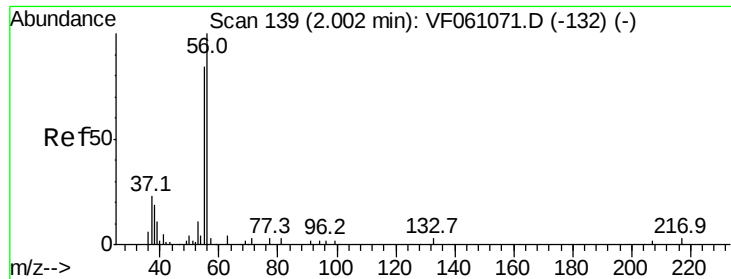
Tot Ion: 59 Resp: 12352
Ion Ratio Lower Upper
59 100
57 15.3 11.5 17.3



#12
1,1-Dichloroethene
Concen: 22.195 ug/l
RT: 1.79 min Scan# 117
Delta R.T. -0.01 min
Lab File: VF061159.D
Acq: 24 Dec 2018 12:19

Tgt Ion: 96 Resp: 42174
Ion Ratio Lower Upper
96 100
61 216.1 182.0 273.0
98 58.7 46.5 69.7





#13

Acrolein

Concen: 114.568 ug/l

RT: 2.00 min Scan# 139

Delta R.T. 0.00 min

Lab File: VF061159.D

Acq: 24 Dec 2018 12:19

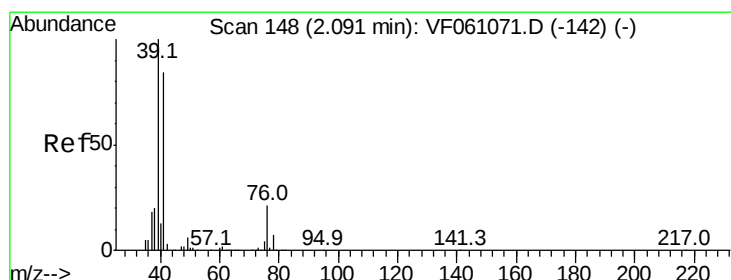
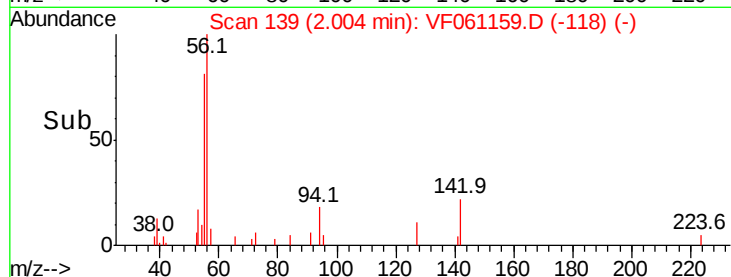
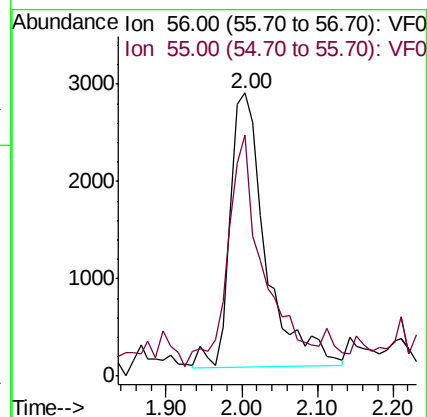
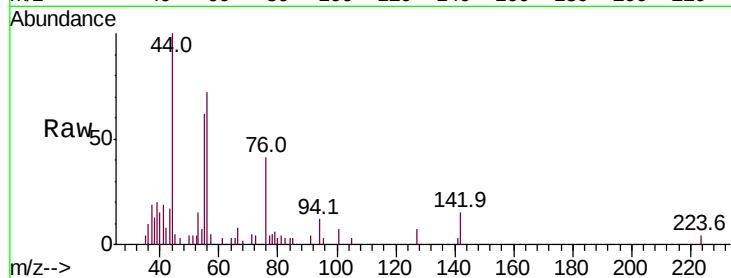
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 56 Resp: 9262

Ion Ratio Lower Upper

56 100

55 85.3 70.2 105.2



#14

Allyl chloride

Concen: 27.136 ug/l

RT: 2.09 min Scan# 148

Delta R.T. 0.00 min

Lab File: VF061159.D

Acq: 24 Dec 2018 12:19

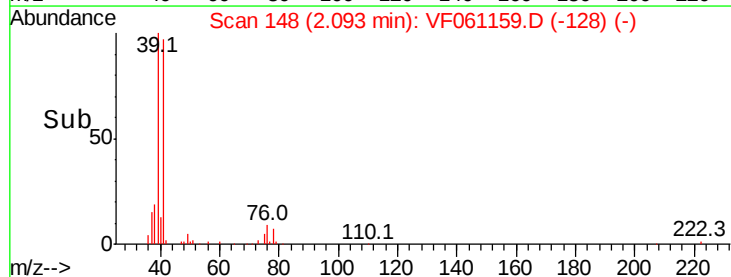
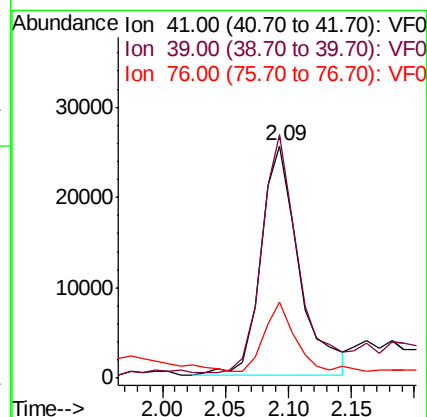
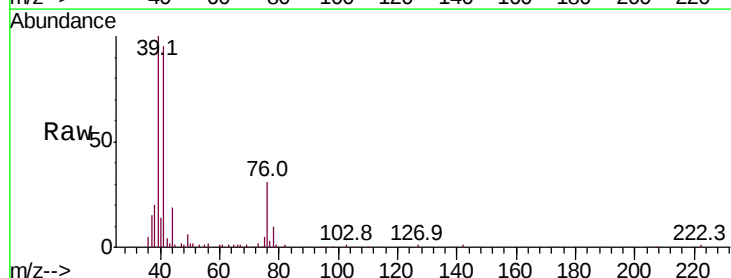
Tgt Ion: 41 Resp: 53659

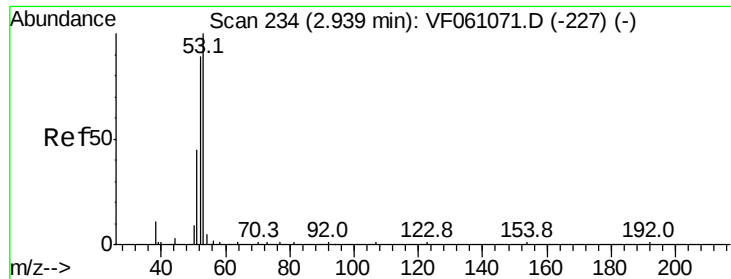
Ion Ratio Lower Upper

41 100

39 104.8 96.4 144.6

76 32.6 25.4 38.0

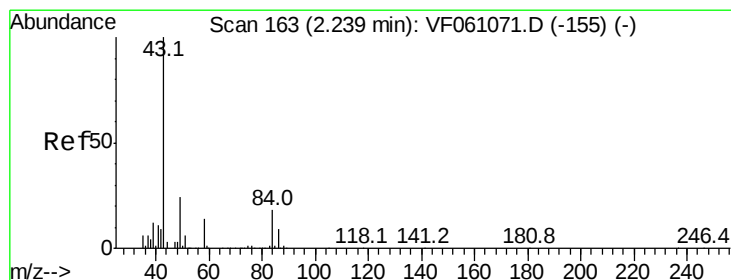
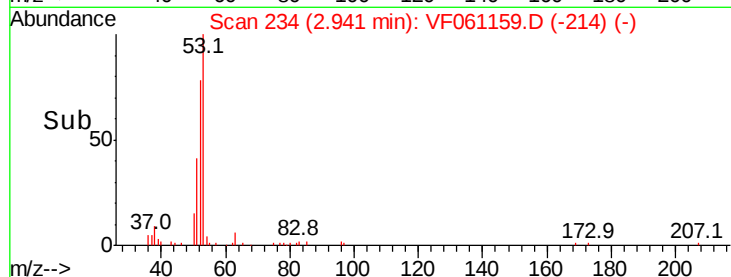
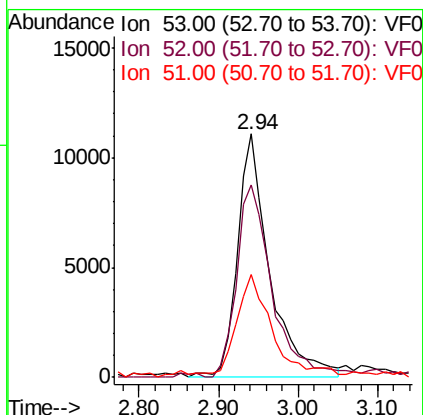
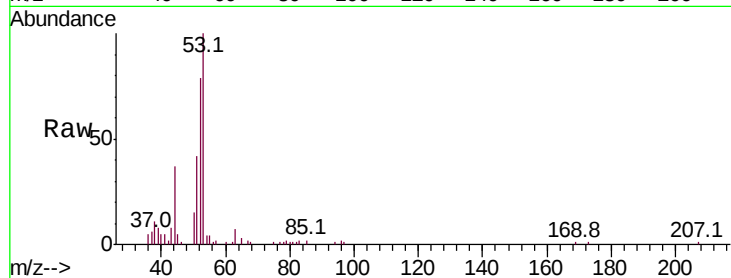




#15
 Acrylonitrile
 Concen: 120.461 ug/l
 RT: 2.94 min Scan# 234
 Delta R.T. 0.00 min
 Lab File: VF061159.D
 Acq: 24 Dec 2018 12:19

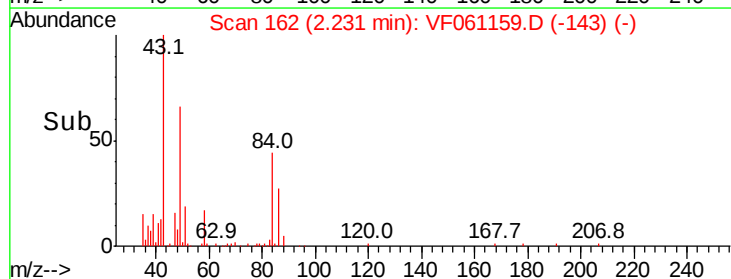
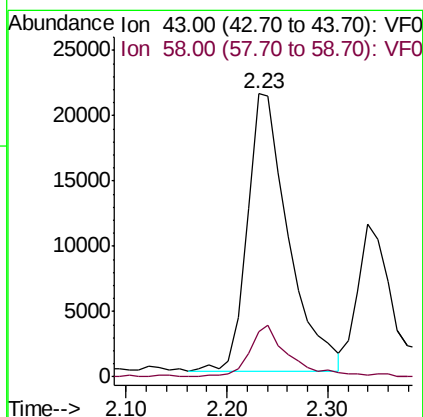
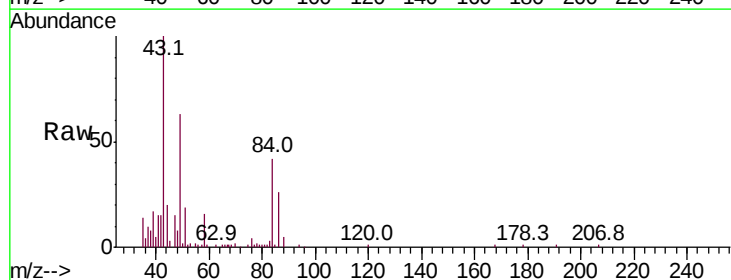
Instrument :
 MSVOA_F
 ClientSampled :

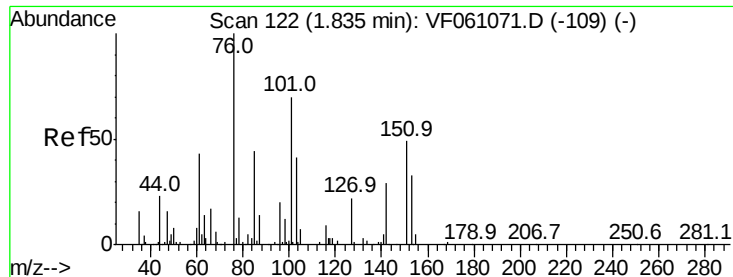
Tot Ion: 53 Resp: 31164
 Ion Ratio Lower Upper
 53 100
 52 79.3 71.3 106.9
 51 42.1 36.8 55.2



#16
 Acetone
 Concen: 109.684 ug/l
 RT: 2.23 min Scan# 162
 Delta R.T. -0.01 min
 Lab File: VF061159.D
 Acq: 24 Dec 2018 12:19

Tgt Ion: 43 Resp: 60791
 Ion Ratio Lower Upper
 43 100
 58 16.2 11.1 16.7

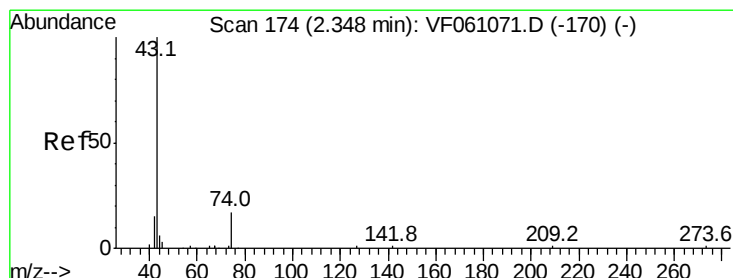
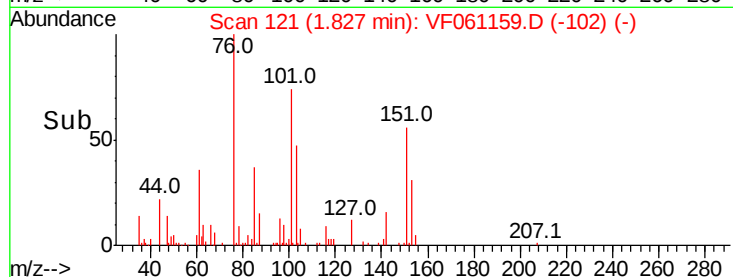
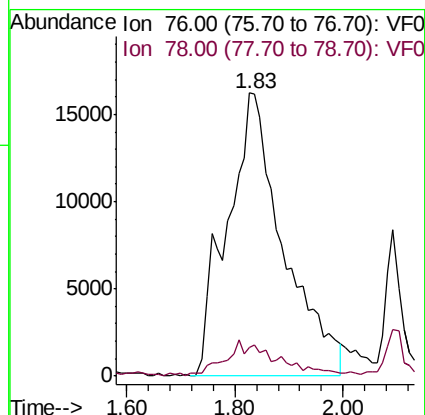
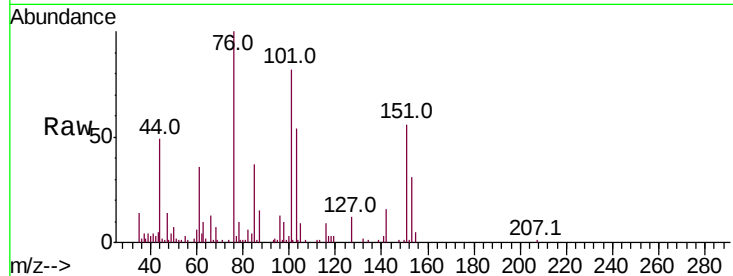




#17
Carbon Disulfide
Concen: 20.449 ug/l
RT: 1.83 min Scan# 121
Delta R.T. -0.01 min
Lab File: VF061159.D
Acq: 24 Dec 2018 12:19

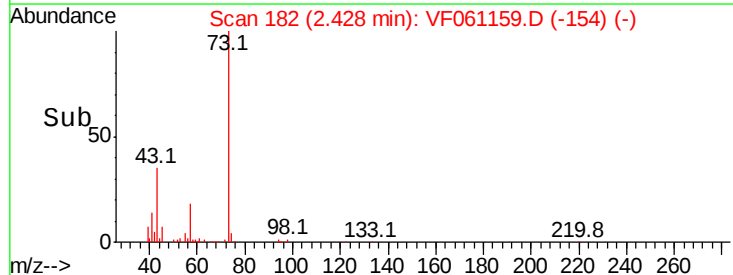
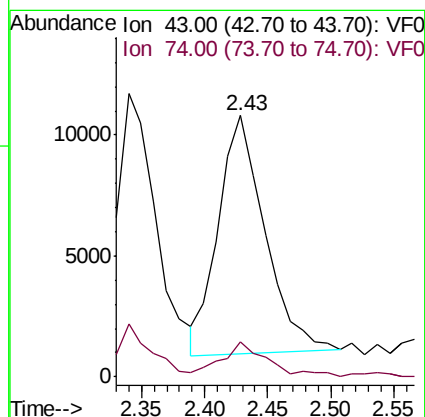
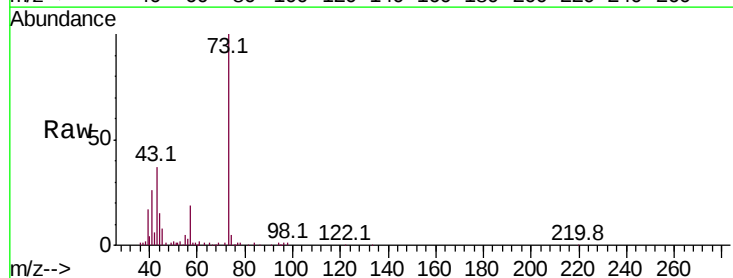
Instrument :
MSVOA_F
ClientSampled :

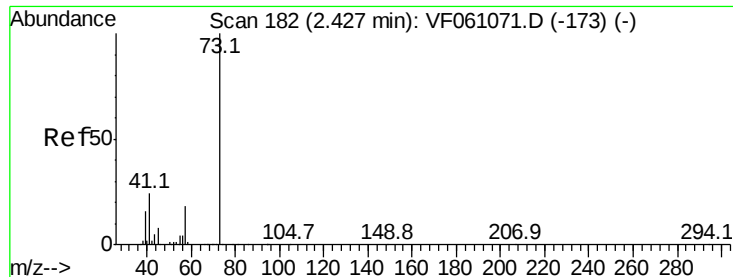
Tot Ion: 76 Resp: 117422
Ion Ratio Lower Upper
76 100
78 10.0 10.2 15.4#



#18
Methyl Acetate
Concen: 22.016 ug/l
RT: 2.43 min Scan# 182
Delta R.T. 0.08 min
Lab File: VF061159.D
Acq: 24 Dec 2018 12:19

Tgt Ion: 43 Resp: 25245
Ion Ratio Lower Upper
43 100
74 13.2 11.0 16.6



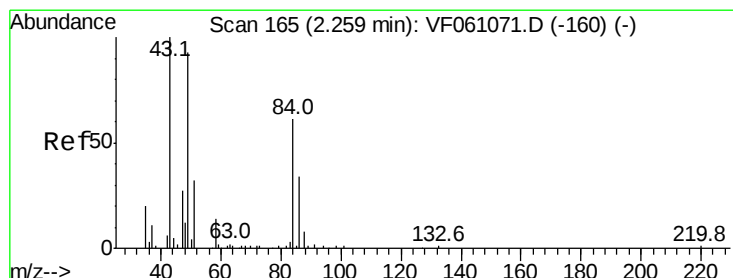
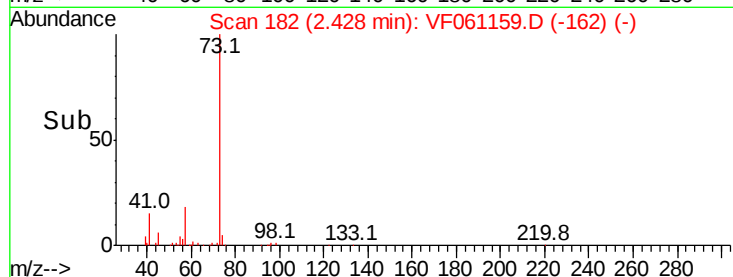
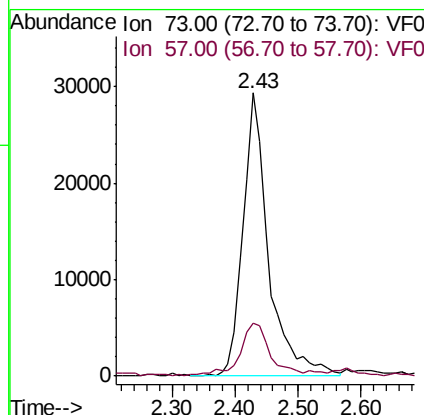
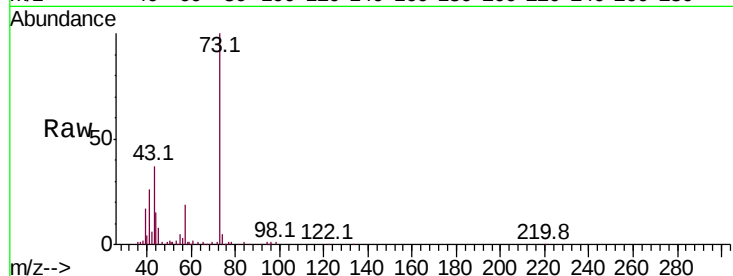


#19

Methyl tert-butyl Ether
 Concen: 19.507 ug/l
 RT: 2.43 min Scan# 182
 Delta R.T. 0.00 min
 Lab File: VF061159.D
 Acq: 24 Dec 2018 12:19

Instrument :
 MSVOA_F
 ClientSampleId :

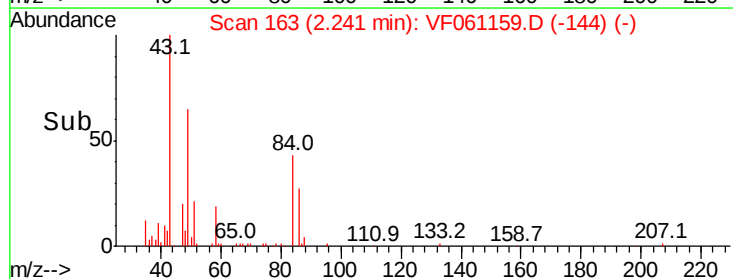
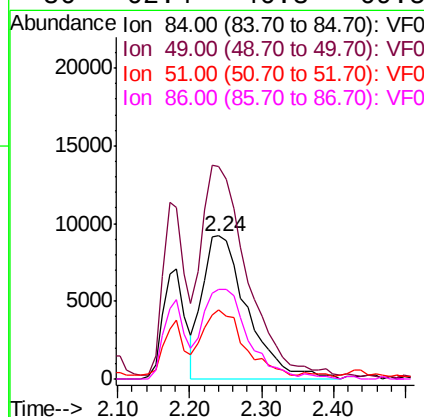
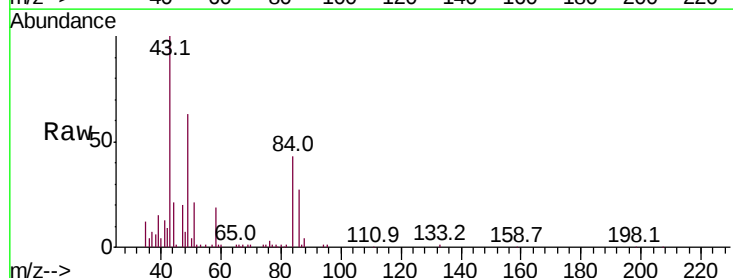
Tot Ion: 73 Resp: 82272
 Ion Ratio Lower Upper
 73 100
 57 18.7 14.5 21.7

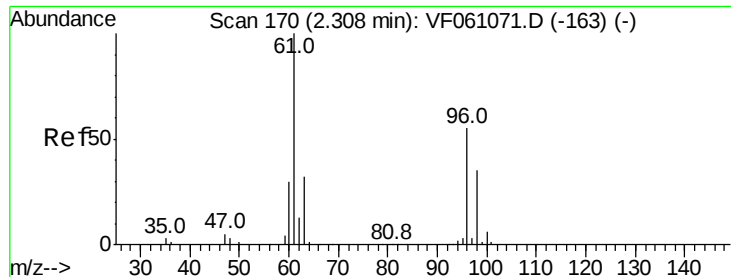


#20

Methylene Chloride
 Concen: 19.862 ug/l
 RT: 2.24 min Scan# 163
 Delta R.T. -0.02 min
 Lab File: VF061159.D
 Acq: 24 Dec 2018 12:19

Tgt Ion: 84 Resp: 39973
 Ion Ratio Lower Upper
 84 100
 49 148.2 129.4 194.2
 51 48.2 44.0 66.0
 86 62.4 46.3 69.5





#21

trans-1,2-Dichloroethene

Concen: 18.228 ug/l

RT: 2.30 min Scan# 169

Delta R.T. -0.01 min

Lab File: VF061159.D

Acq: 24 Dec 2018 12:19

Instrument :
MSVOA_F
ClientSampleId :

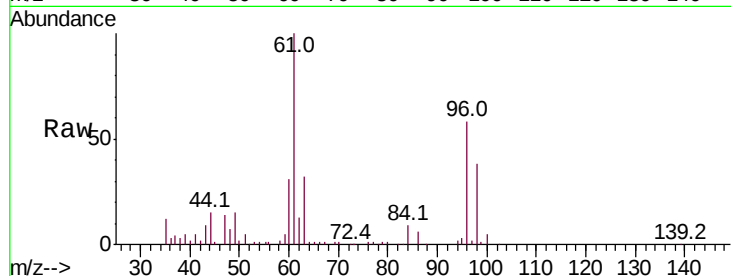
Tot Ion: 96 Resp: 37045

Ion Ratio Lower Upper

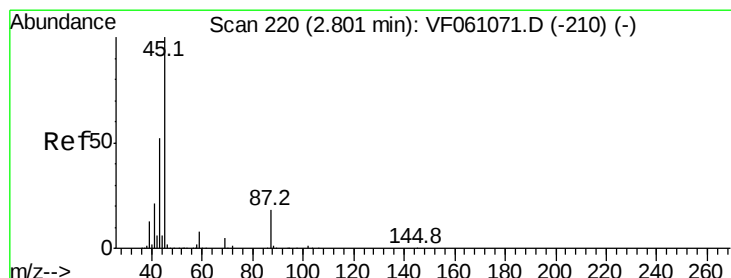
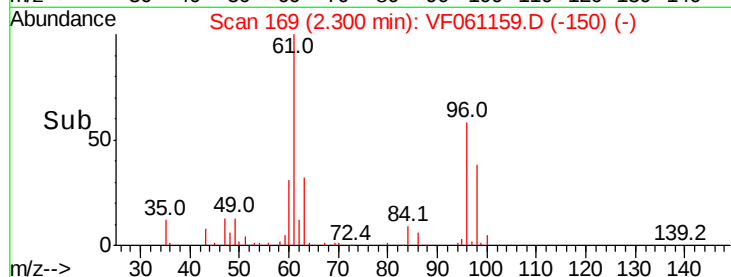
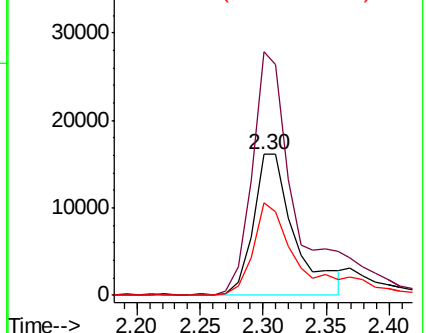
96 100

61 172.5 146.0 219.0

98 65.8 51.6 77.4



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



#22

Diisopropyl ether

Concen: 21.450 ug/l

RT: 2.79 min Scan# 219

Delta R.T. -0.01 min

Lab File: VF061159.D

Acq: 24 Dec 2018 12:19

Tgt Ion: 45 Resp: 141286

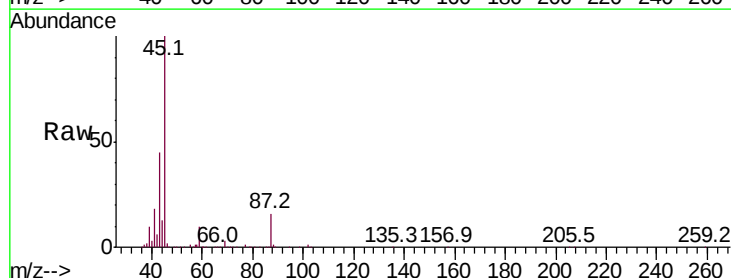
Ion Ratio Lower Upper

45 100

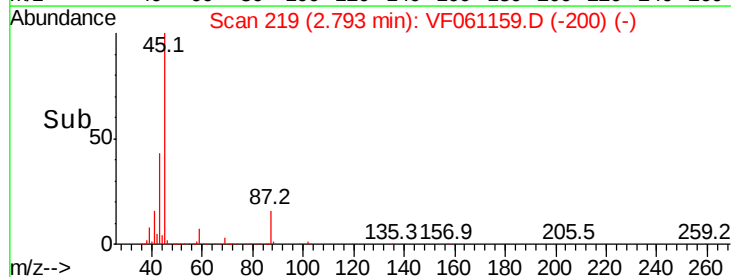
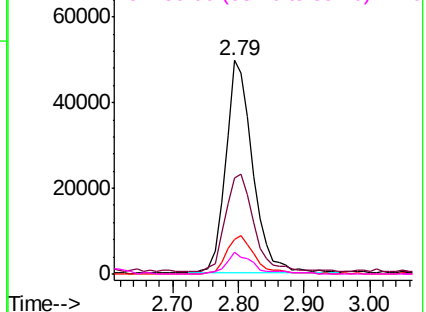
43 45.2 42.2 63.2

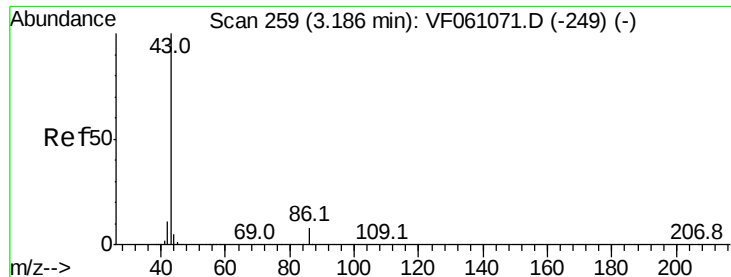
87 16.4 14.6 22.0

59 10.3 7.0 10.4



Abundance Ion 45.00 (44.70 to 45.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 87.00 (86.70 to 87.70): VF0
Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 113.661 ug/l

RT: 3.19 min Scan# 259

Delta R.T. 0.00 min

Lab File: VF061159.D

Acq: 24 Dec 2018 12:19

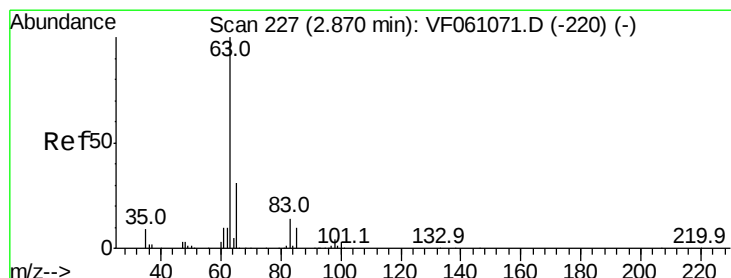
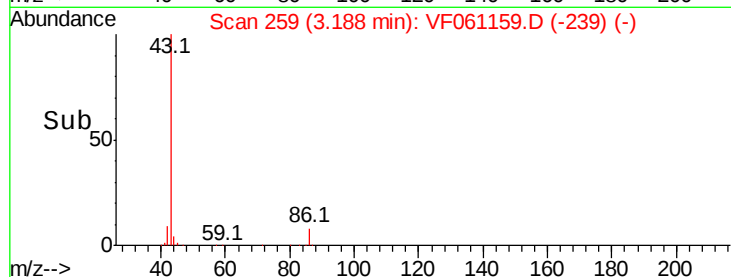
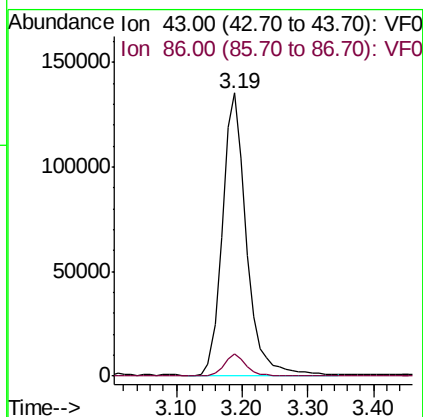
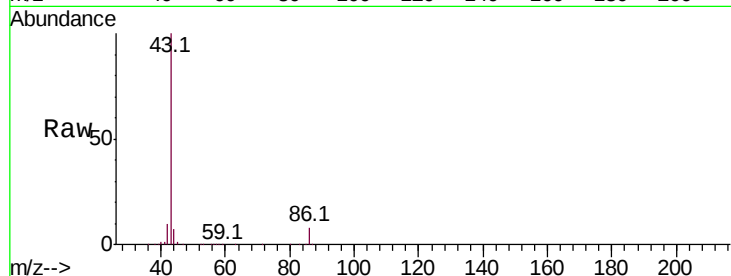
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 345371

Ion Ratio Lower Upper

43 100

86 7.8 6.3 9.5



#24

1,1-Dichloroethane

Concen: 21.457 ug/l

RT: 2.86 min Scan# 226

Delta R.T. -0.01 min

Lab File: VF061159.D

Acq: 24 Dec 2018 12:19

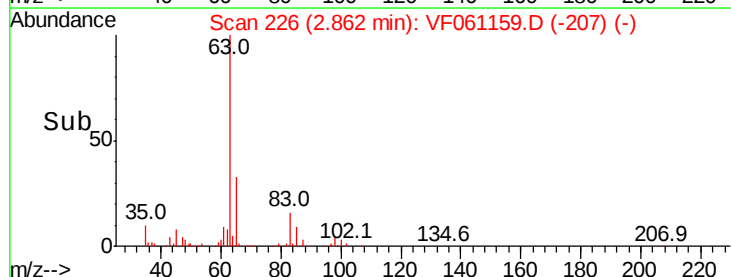
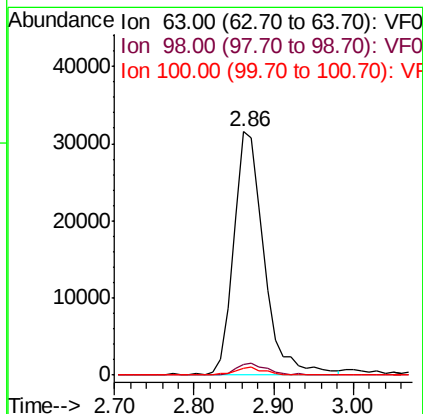
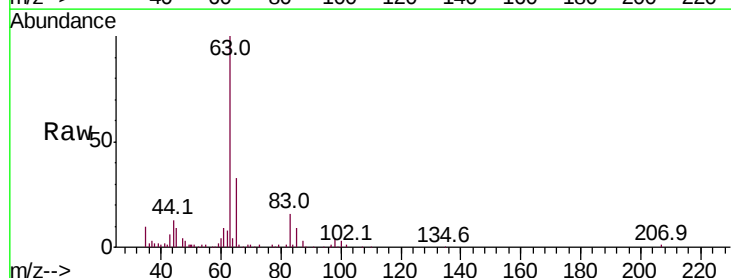
Tgt Ion: 63 Resp: 83739

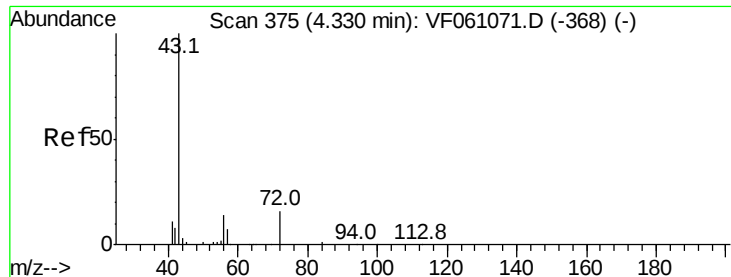
Ion Ratio Lower Upper

63 100

98 4.5 2.1 6.5

100 2.6 1.7 5.1





#25

2-Butanone

Concen: 116.704 ug/l

RT: 4.34 min Scan# 376

Delta R.T. 0.01 min

Lab File: VF061159.D

Acq: 24 Dec 2018 12:19

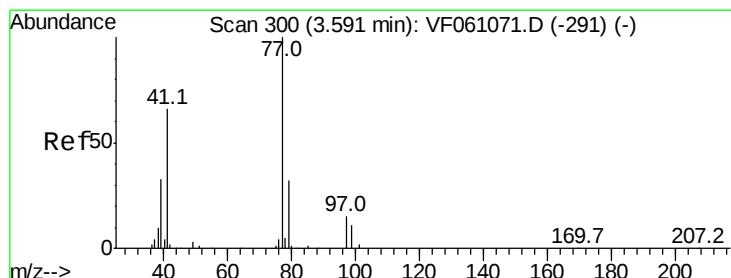
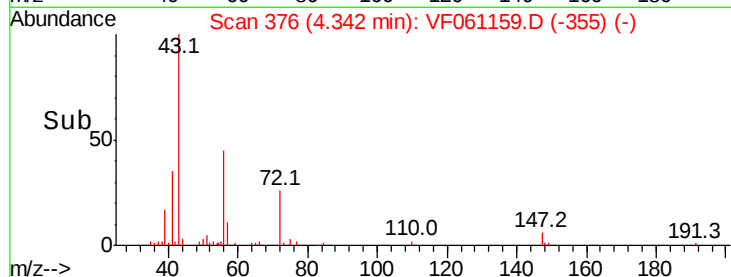
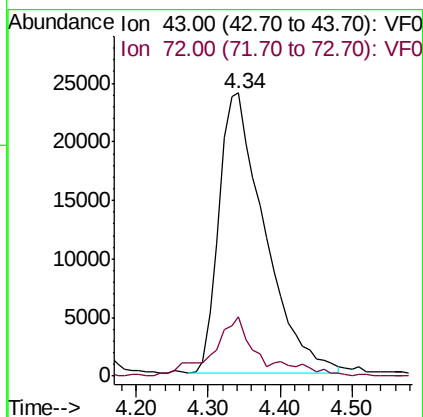
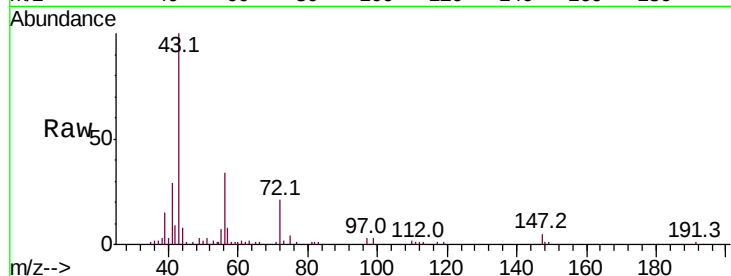
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 104901

Ion Ratio Lower Upper

43 100

72 20.9 15.6 23.4



#26

2,2-Dichloropropane

Concen: 20.590 ug/l

RT: 3.59 min Scan# 300

Delta R.T. 0.00 min

Lab File: VF061159.D

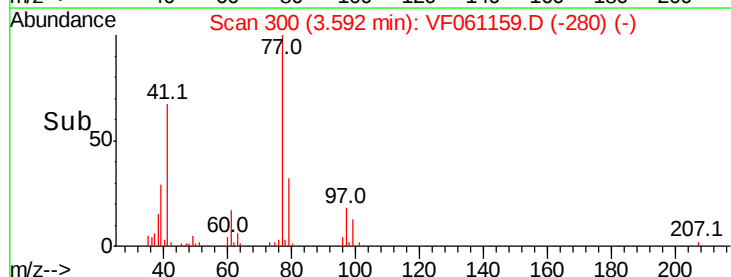
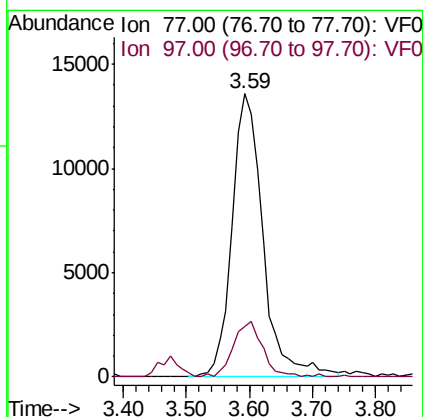
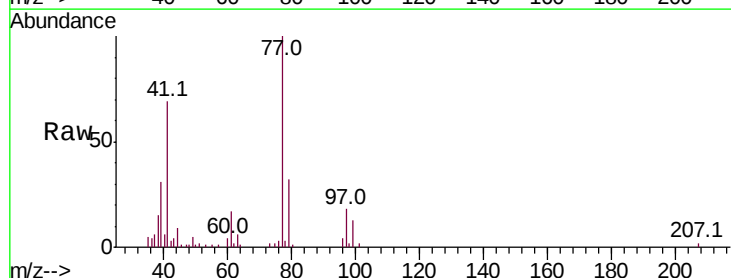
Acq: 24 Dec 2018 12:19

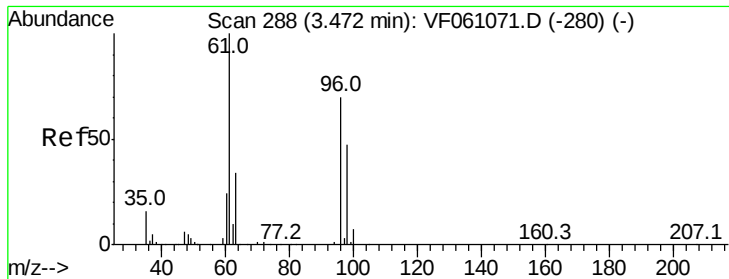
Tgt Ion: 77 Resp: 46114

Ion Ratio Lower Upper

77 100

97 17.8 8.2 24.4



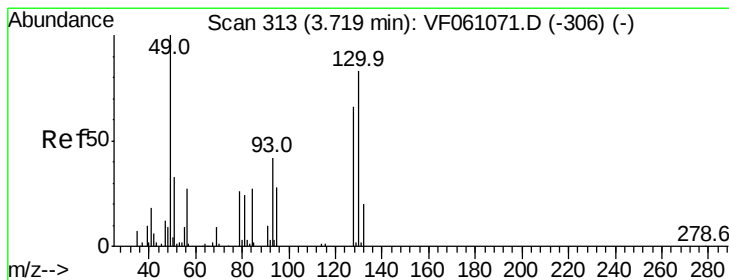
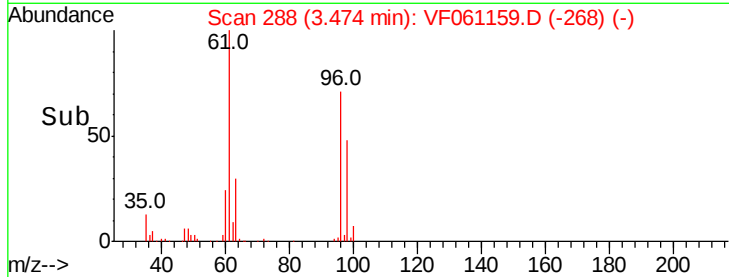
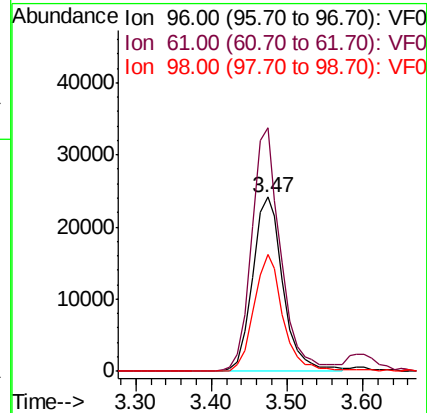
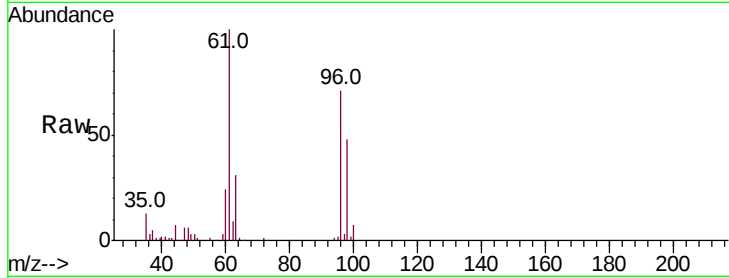


#27

cis-1,2-Dichloroethene
 Concen: 21.695 ug/l
 RT: 3.47 min Scan# 288
 Delta R.T. 0.00 min
 Lab File: VF061159.D
 Acq: 24 Dec 2018 12:19

Instrument :
 MSVOA_F
 ClientSampleId :

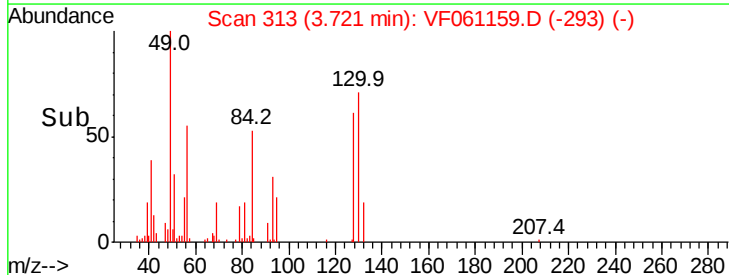
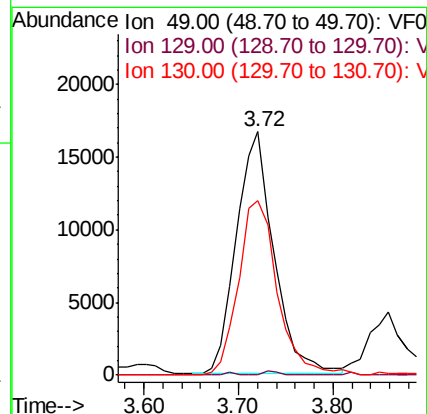
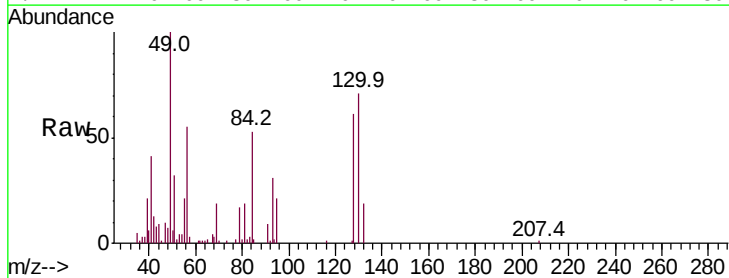
Tot Ion	Ratio	Lower	Upper
96	100		
61	140.0	0.0	287.8
98	67.3	0.0	134.2

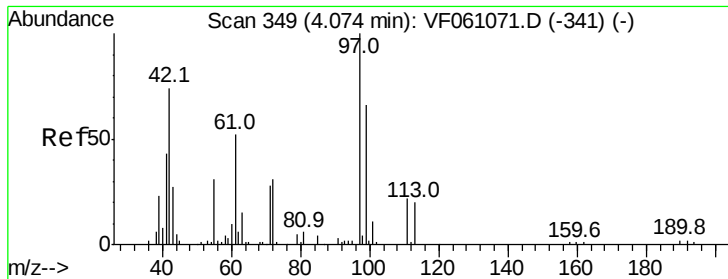


#28

Bromochloromethane
 Concen: 23.064 ug/l
 RT: 3.72 min Scan# 313
 Delta R.T. 0.00 min
 Lab File: VF061159.D
 Acq: 24 Dec 2018 12:19

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.6
130	71.4	65.8	98.6





#29

Tetrahydrofuran

Concen: 118.680 ug/l

RT: 4.08 min Scan# 349

Delta R.T. 0.00 min

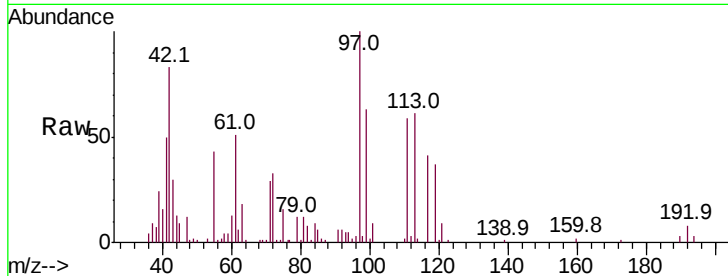
Lab File: VF061159.D

Acq: 24 Dec 2018 12:19

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 42 Resp: 43419

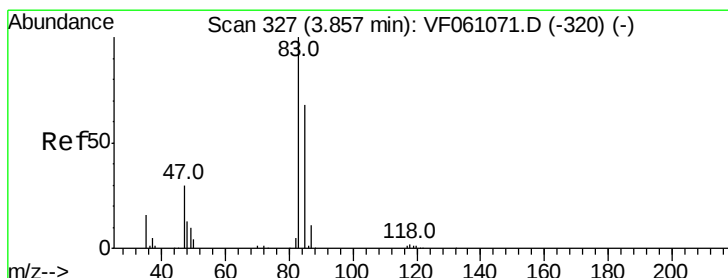
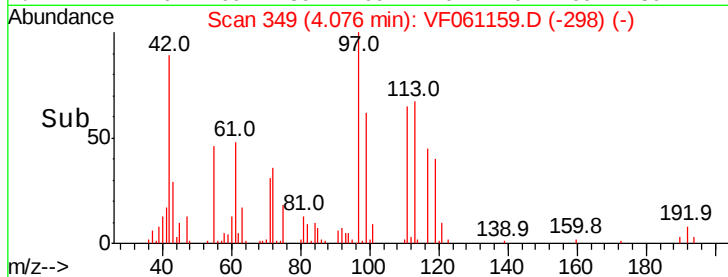
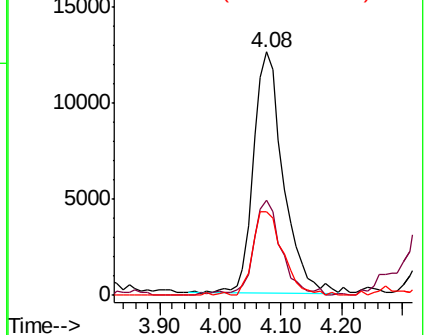
Ion	Ratio	Lower	Upper
42	100		
72	37.2	31.8	47.8
71	34.8	29.7	44.5



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: 18.991 ug/l

RT: 3.86 min Scan# 327

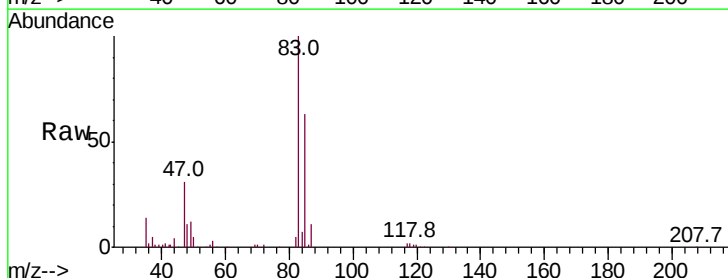
Delta R.T. 0.00 min

Lab File: VF061159.D

Acq: 24 Dec 2018 12:19

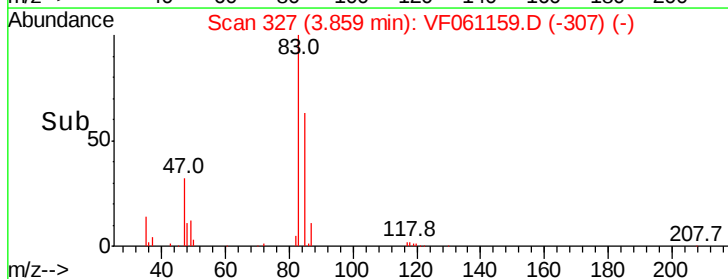
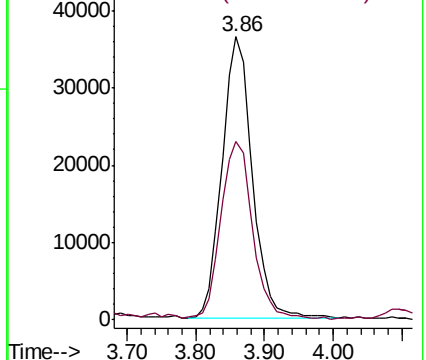
Tgt Ion: 83 Resp: 111127

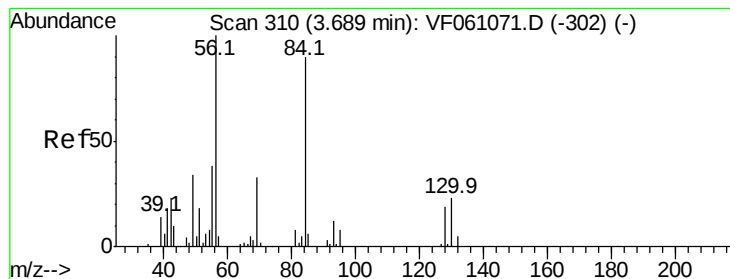
Ion	Ratio	Lower	Upper
83	100		
85	62.9	54.5	81.7



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0





#31

Cyclohexane

Concen: 14.625 ug/l

RT: 3.68 min Scan# 309

Delta R.T. -0.01 min

Lab File: VF061159.D

Acq: 24 Dec 2018 12:19

Instrument :

MSVOA_F

ClientSampleId :

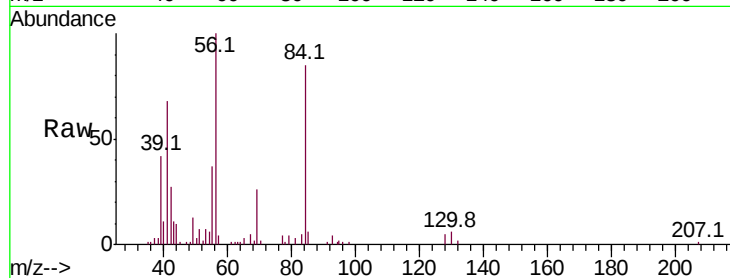
Tot Ion: 56 Resp: 59226

Ion Ratio Lower Upper

56 100

69 26.2 26.0 39.0

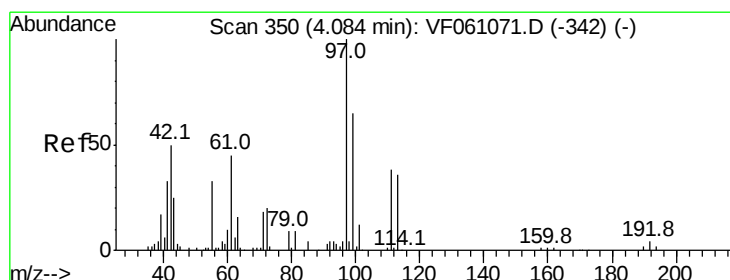
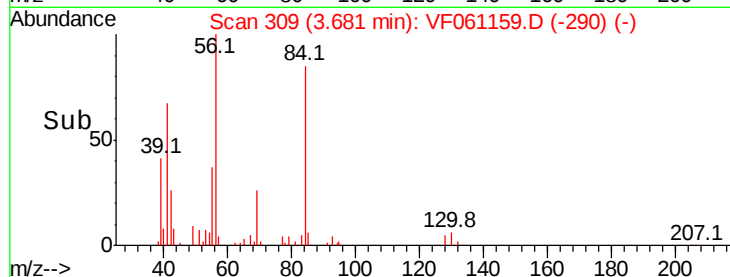
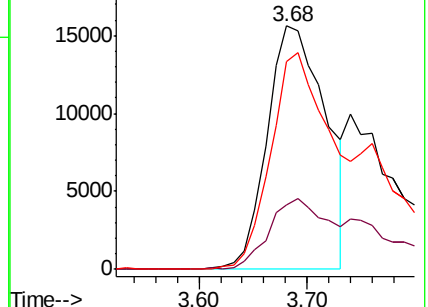
84 85.3 71.4 107.2



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 84.00 (83.70 to 84.70): VF0



#32

1,1,1-Trichloroethane

Concen: 19.448 ug/l

RT: 4.09 min Scan# 350

Delta R.T. 0.00 min

Lab File: VF061159.D

Acq: 24 Dec 2018 12:19

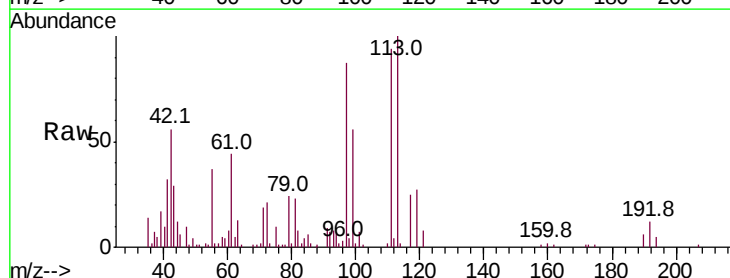
Tgt Ion: 97 Resp: 68210

Ion Ratio Lower Upper

97 100

99 64.4 51.6 77.4

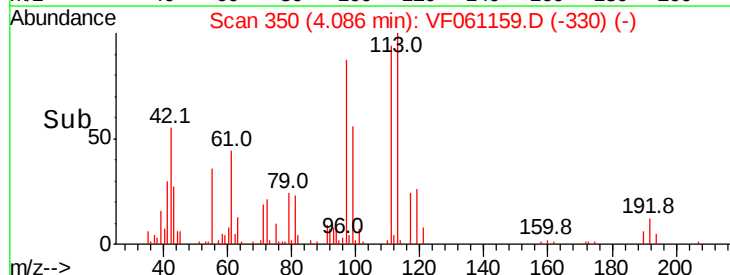
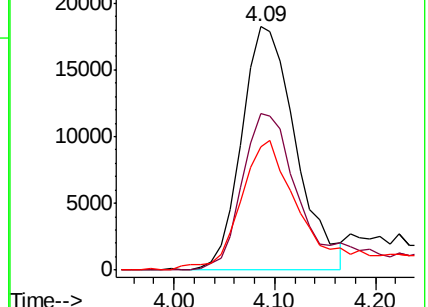
61 50.6 36.2 54.2

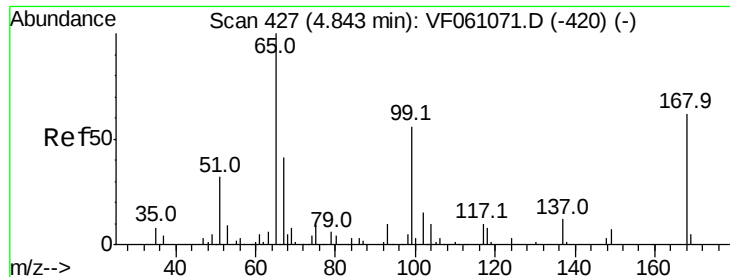


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

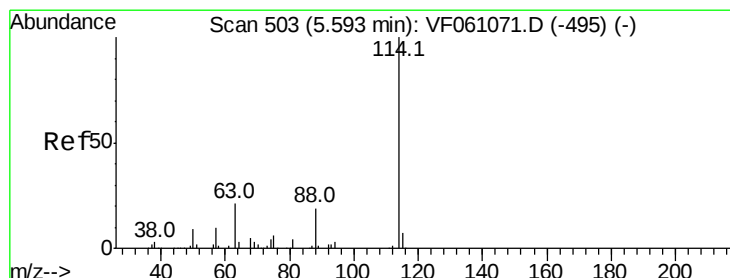
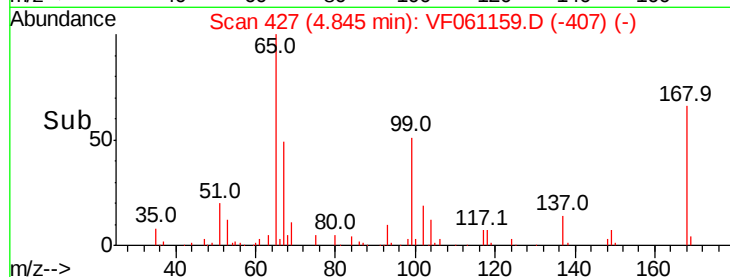
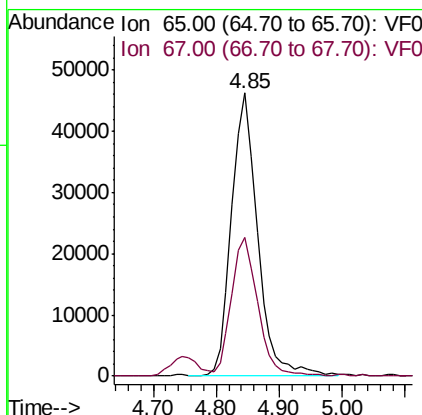
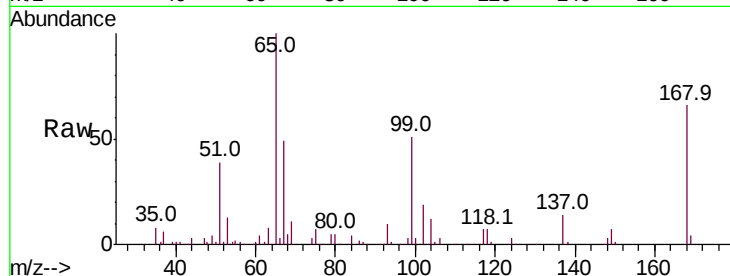




#33
 1,2-Dichloroethane-d4
 Concen: 48.020 ug/l
 RT: 4.85 min Scan# 427
 Delta R.T. 0.00 min
 Lab File: VF061159.D
 Acq: 24 Dec 2018 12:19

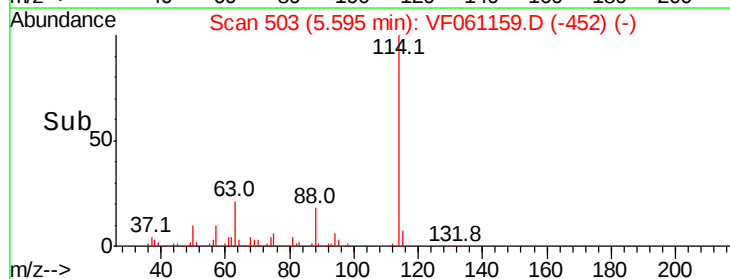
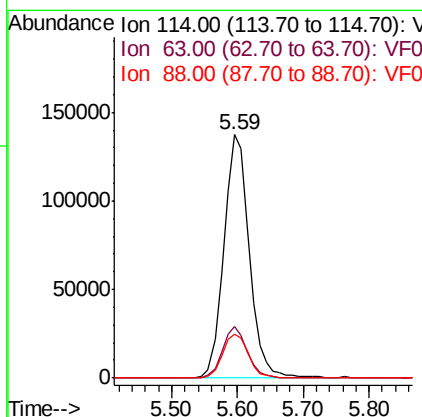
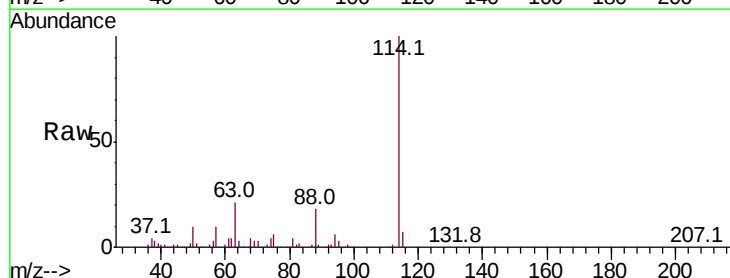
Instrument :
 MSVOA_F
 ClientSampleId :

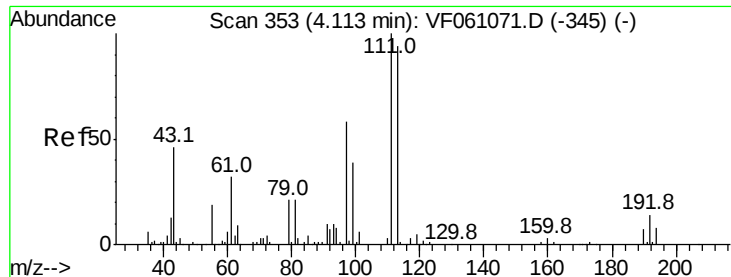
Tot Ion: 65 Resp: 133133
 Ion Ratio Lower Upper
 65 100
 67 48.9 0.0 94.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.59 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VF061159.D
 Acq: 24 Dec 2018 12:19

Tgt Ion: 114 Resp: 372485
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 41.6
 88 18.2 0.0 38.0





#35

Dibromofluoromethane

Concen: 50.591 ug/l

RT: 4.12 min Scan# 353

Delta R.T. 0.00 min

Lab File: VF061159.D

Acq: 24 Dec 2018 12:19

Instrument :
MSVOA_F
ClientSampleId :

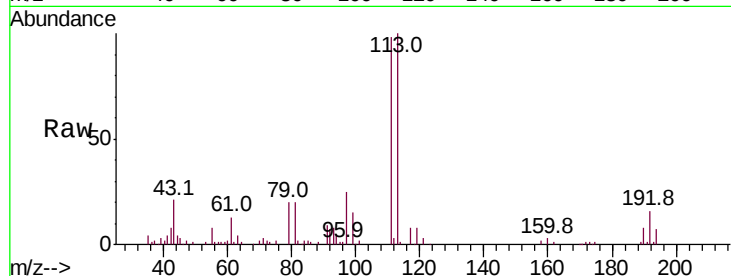
Tot Ion:113 Resp: 150955

Ion Ratio Lower Upper

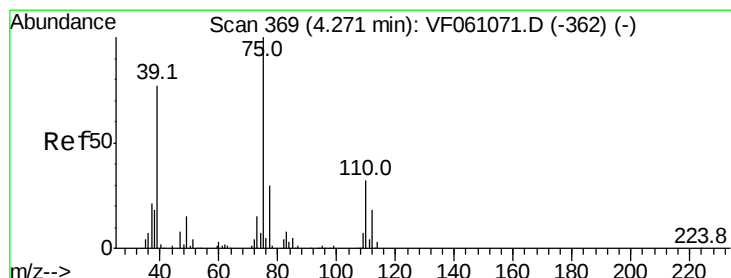
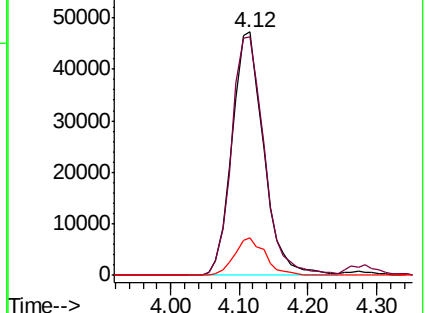
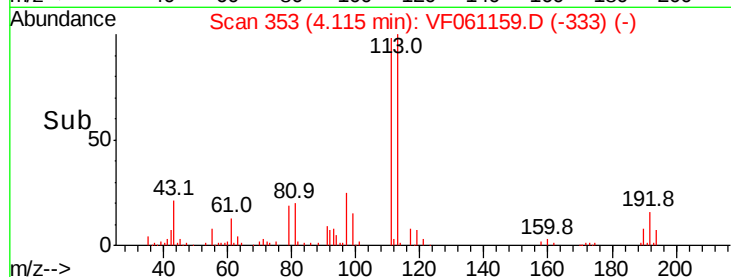
113 100

111 98.1 85.2 127.8

192 15.6 12.8 19.2



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: 19.027 ug/l

RT: 4.27 min Scan# 369

Delta R.T. 0.00 min

Lab File: VF061159.D

Acq: 24 Dec 2018 12:19

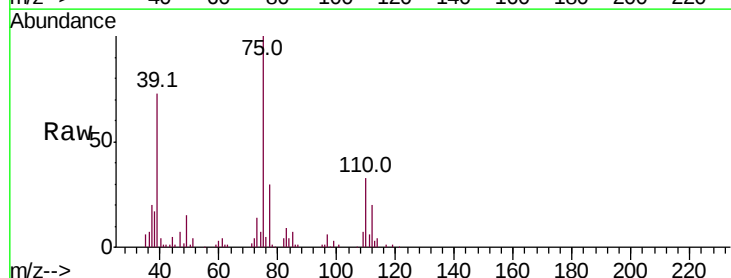
Tgt Ion: 75 Resp: 85547

Ion Ratio Lower Upper

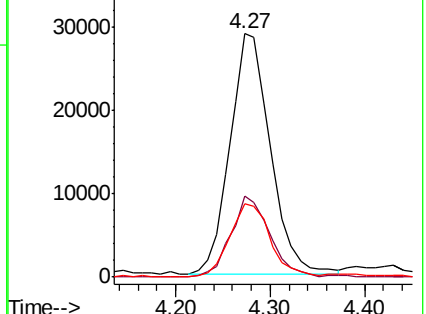
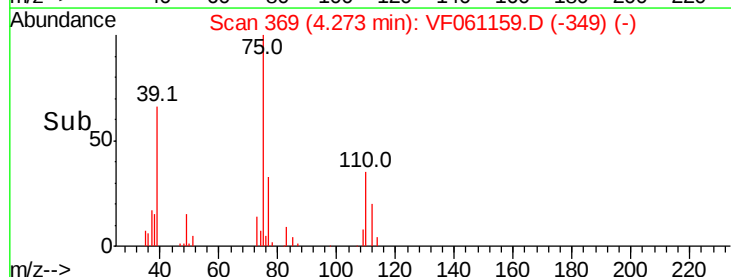
75 100

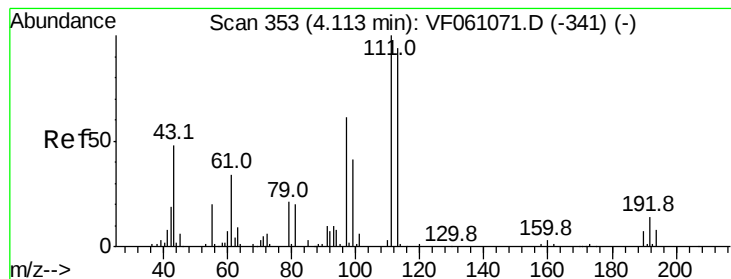
110 33.1 16.1 48.2

77 30.4 24.5 36.7



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: 19.747 ug/l

RT: 4.12 min Scan# 353

Delta R.T. 0.00 min

Lab File: VF061159.D

Acq: 24 Dec 2018 12:19

Instrument :
MSVOA_F
ClientSampleId :

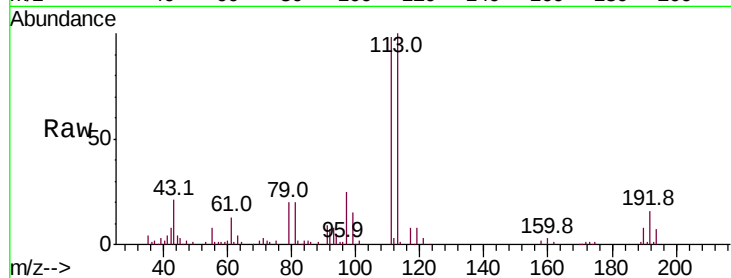
Tot Ion: 43 Resp: 38326

Ion Ratio Lower Upper

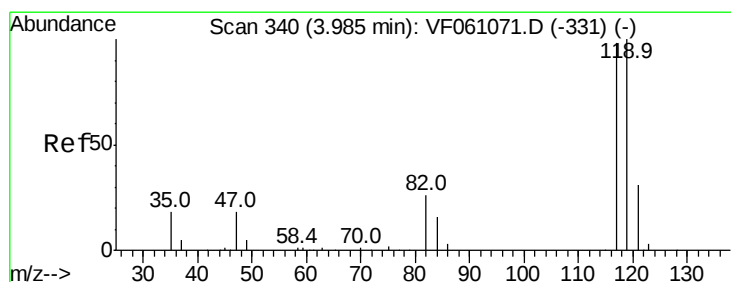
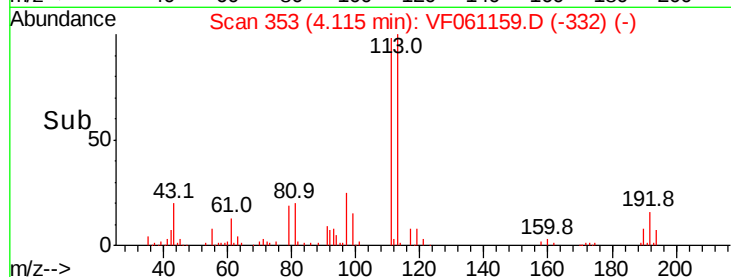
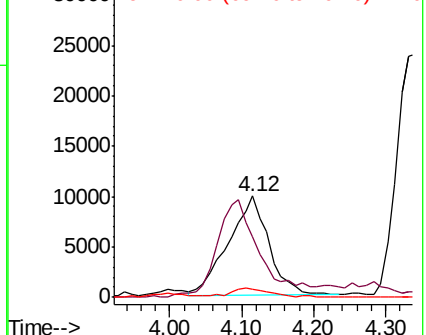
43 100

61 59.6 56.6 84.8

70 8.0 6.3 9.5



Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 70.00 (69.70 to 70.70): VF0



#38

Carbon Tetrachloride

Concen: 19.480 ug/l

RT: 3.99 min Scan# 340

Delta R.T. 0.00 min

Lab File: VF061159.D

Acq: 24 Dec 2018 12:19

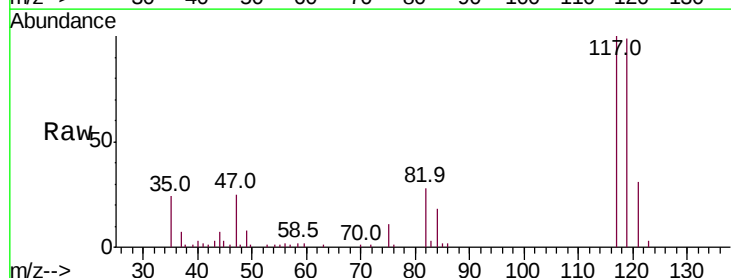
Tgt Ion: 117 Resp: 66699

Ion Ratio Lower Upper

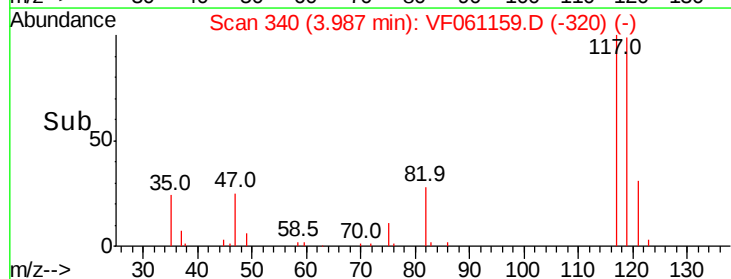
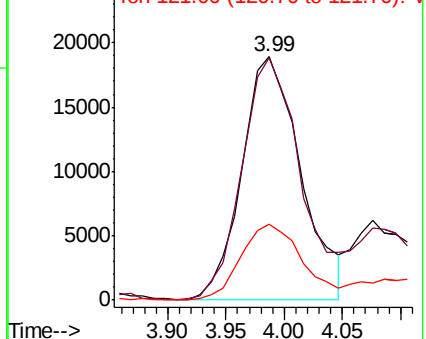
117 100

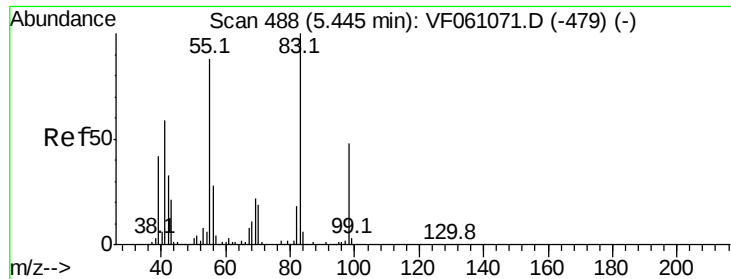
119 99.5 82.1 123.1

121 31.2 25.5 38.3



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

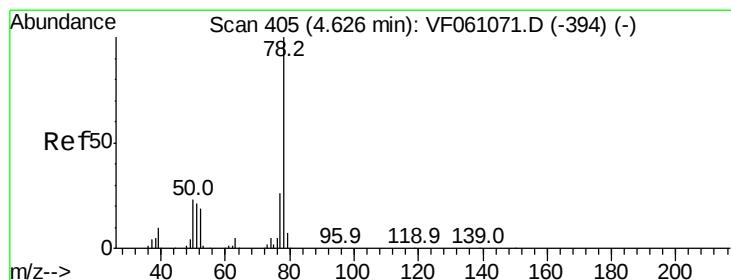
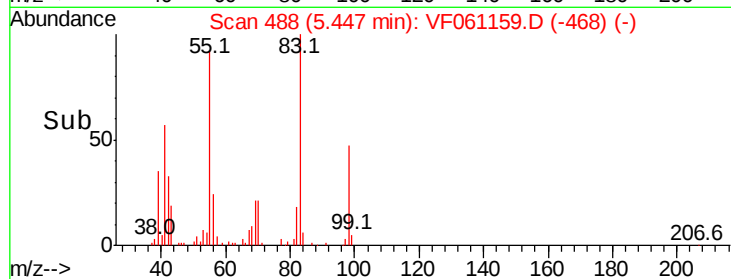
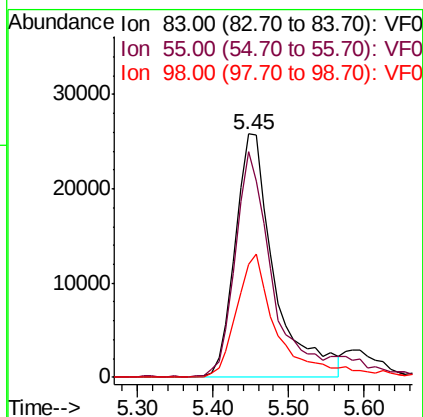
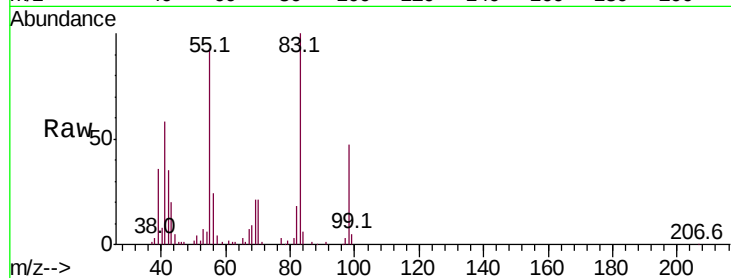




#39
Methvlcvclohexane
Concen: 23.125 ug/l
RT: 5.45 min Scan# 488
Delta R.T. 0.00 min
Lab File: VF061159.D
Acq: 24 Dec 2018 12:19

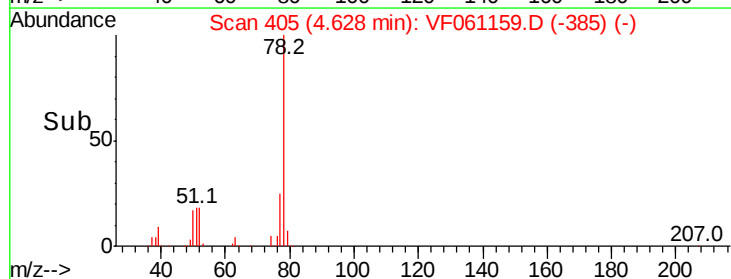
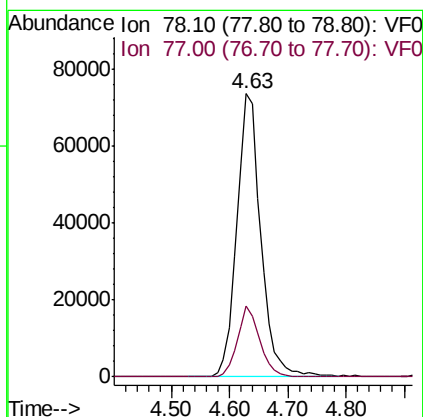
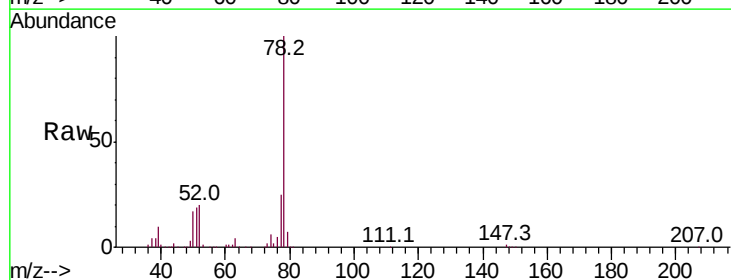
Instrument :
MSVOA_F
ClientSampleId :

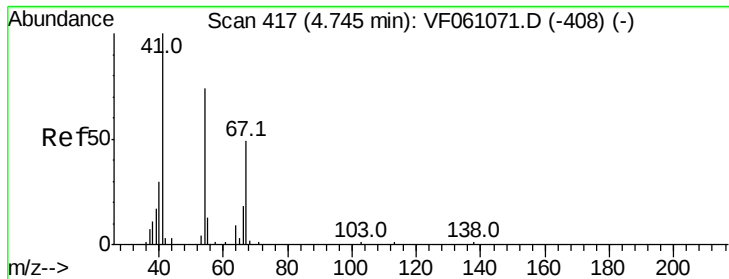
Tot Ion: 83 Resp: 93279
Ion Ratio Lower Upper
83 100
55 92.6 70.6 105.8
98 46.5 38.5 57.7



#40
Benzene
Concen: 21.901 ug/l
RT: 4.63 min Scan# 405
Delta R.T. 0.00 min
Lab File: VF061159.D
Acq: 24 Dec 2018 12:19

Tgt Ion: 78 Resp: 211760
Ion Ratio Lower Upper
78 100
77 25.1 20.7 31.1





#41

Methacrylonitrile

Concen: 23.709 ug/l

RT: 4.75 min Scan# 417

Delta R.T. 0.00 min

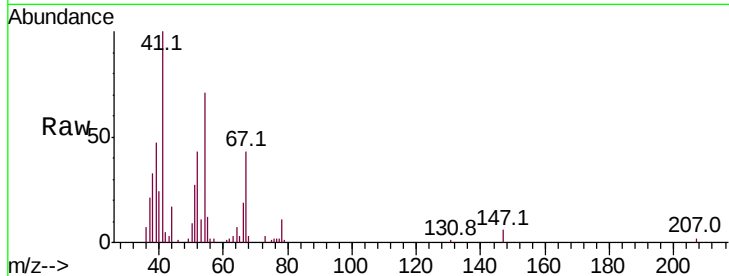
Lab File: VF061159.D

Acq: 24 Dec 2018 12:19

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 41 Resp: 22513

Ion	Ratio	Lower	Upper
41	100		
39	46.8	45.7	68.5
67	42.9	38.9	58.3
52	43.3	35.2	52.8

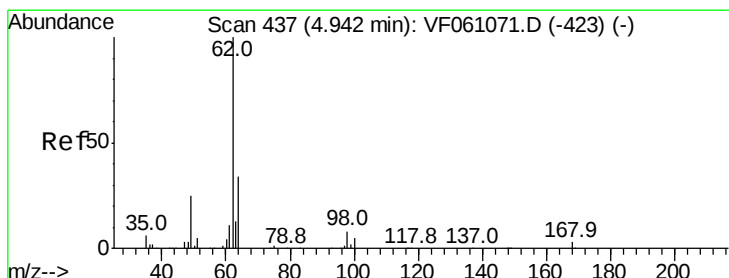
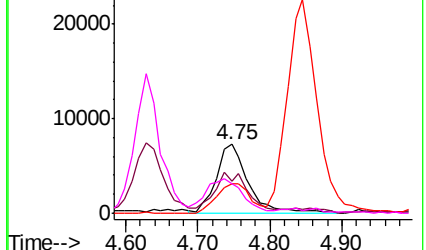
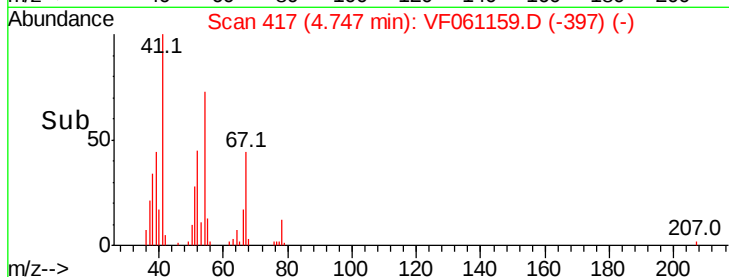


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 17.515 ug/l

RT: 4.94 min Scan# 437

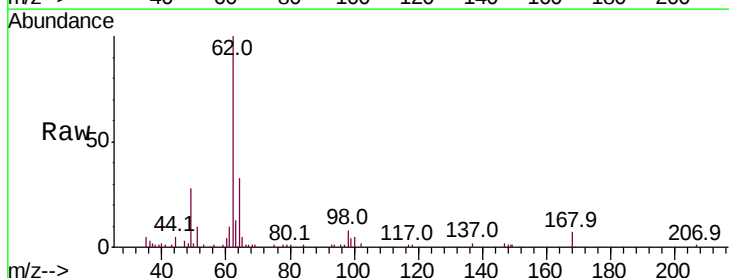
Delta R.T. 0.00 min

Lab File: VF061159.D

Acq: 24 Dec 2018 12:19

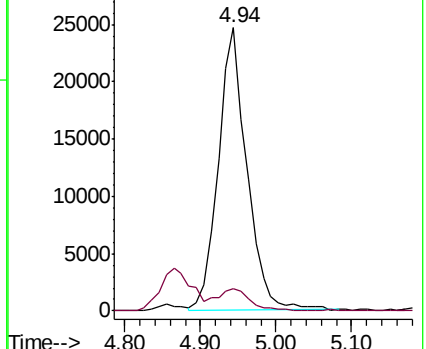
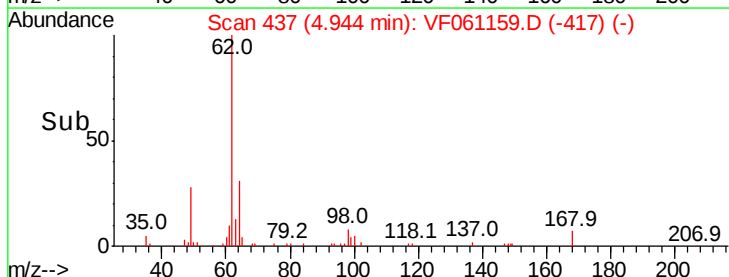
Tgt Ion: 62 Resp: 64335

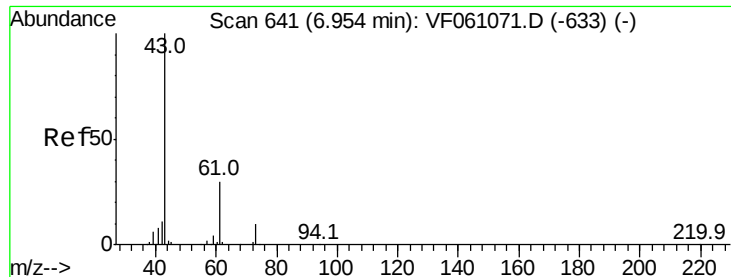
Ion	Ratio	Lower	Upper
62	100		
98	7.7	0.0	16.6



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



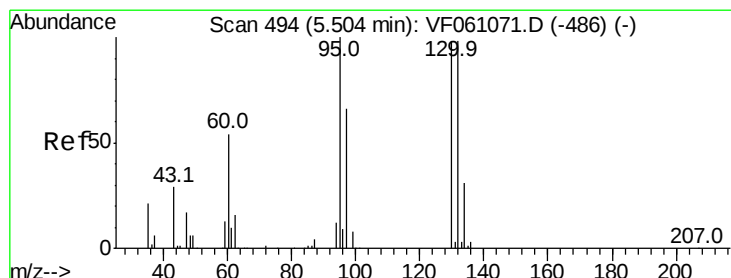
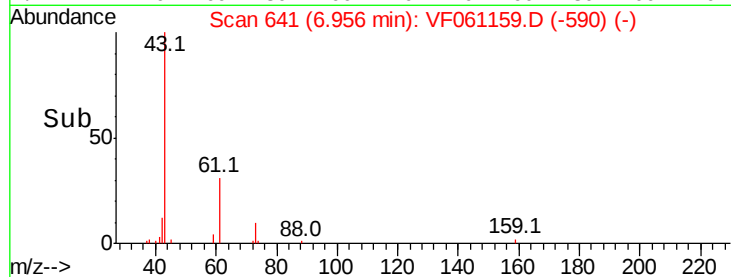
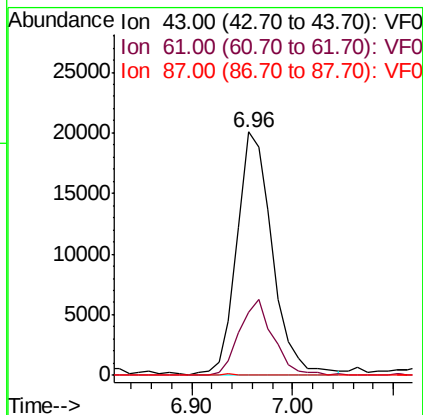
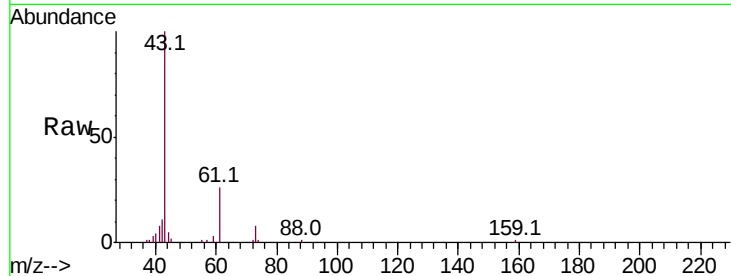


#43

Isopropyl Acetate
 Concen: 22.694 ug/l
 RT: 6.96 min Scan# 641
 Delta R.T. 0.00 min
 Lab File: VF061159.D
 Acq: 24 Dec 2018 12:19

Instrument :
 MSVOA_F
 ClientSampleId :

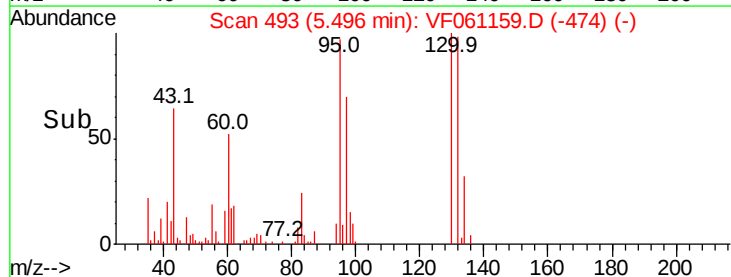
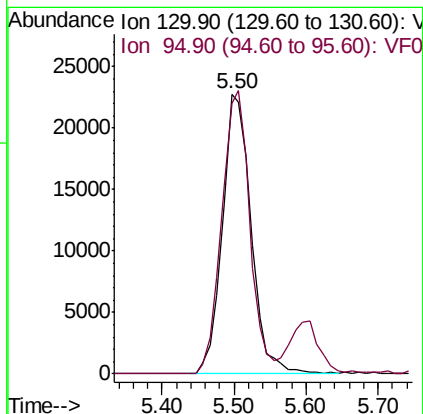
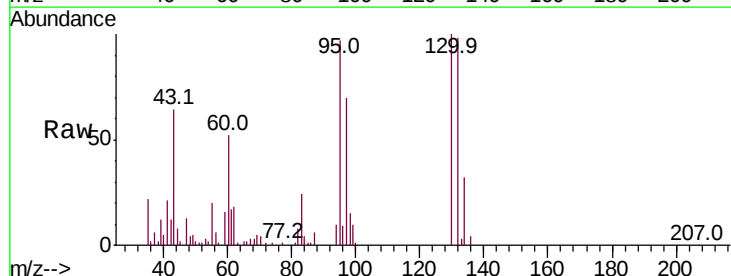
Tot Ion: 43 Resp: 49268
 Ion Ratio Lower Upper
 43 100
 61 25.7 23.8 35.8
 87 0.0 0.0 0.0

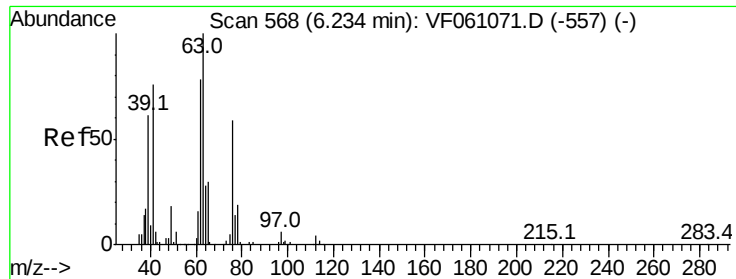


#44

Trichloroethene
 Concen: 20.601 ug/l
 RT: 5.50 min Scan# 493
 Delta R.T. -0.01 min
 Lab File: VF061159.D
 Acq: 24 Dec 2018 12:19

Tgt Ion:130 Resp: 62801
 Ion Ratio Lower Upper
 130 100
 95 96.6 0.0 205.2





#45

1,2-Dichloropropane

Concen: 20.631 ug/l

RT: 6.24 min Scan# 568

Delta R.T. 0.00 min

Lab File: VF061159.D

Acq: 24 Dec 2018 12:19

Instrument :

MSVOA_F

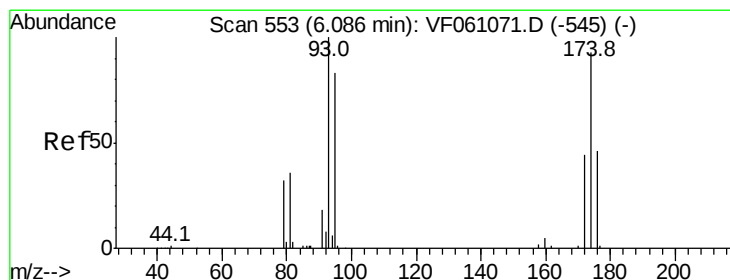
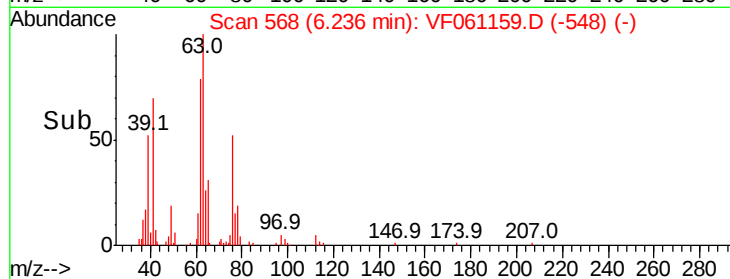
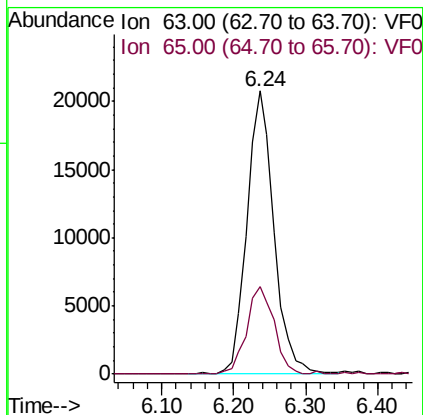
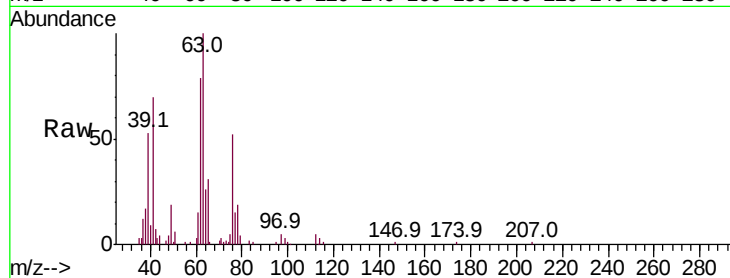
ClientSampleId :

Tot Ion: 63 Resp: 54271

Ion Ratio Lower Upper

63 100

65 30.8 24.4 36.6



#46

Dibromomethane

Concen: 19.279 ug/l

RT: 6.09 min Scan# 553

Delta R.T. 0.00 min

Lab File: VF061159.D

Acq: 24 Dec 2018 12:19

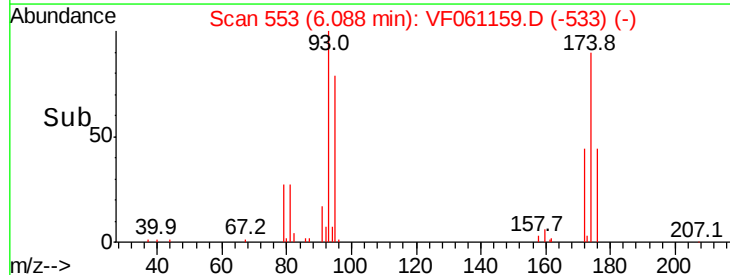
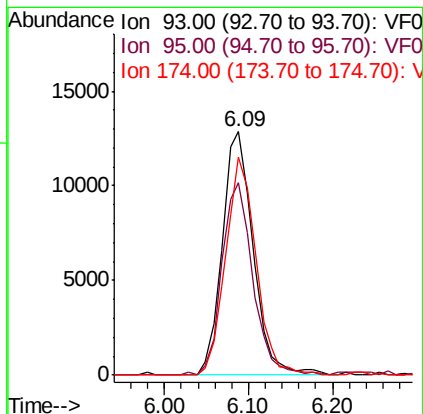
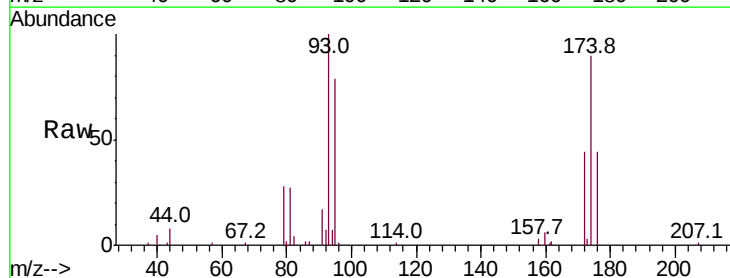
Tgt Ion: 93 Resp: 32894

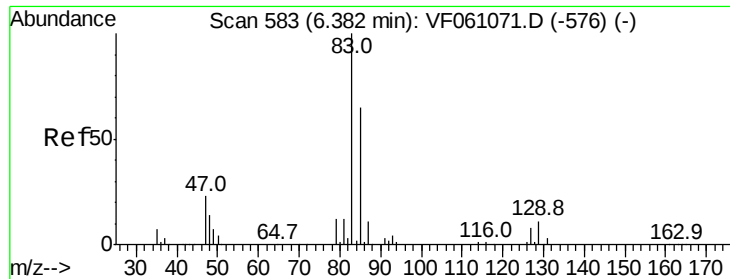
Ion Ratio Lower Upper

93 100

95 79.3 66.9 100.3

174 89.6 74.1 111.1





#47

Bromodichloromethane

Concen: 19.757 ug/l

RT: 6.38 min Scan# 583

Delta R.T. 0.00 min

Lab File: VF061159.D

Acq: 24 Dec 2018 12:19

Instrument :
MSVOA_F
ClientSampleId :

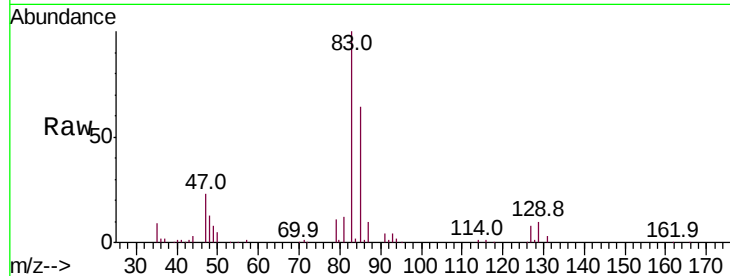
Tot Ion: 83 Resp: 87585

Ion Ratio Lower Upper

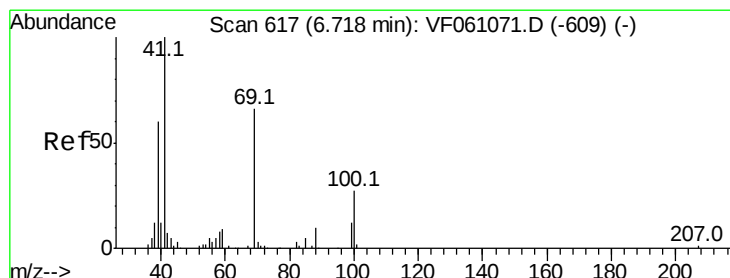
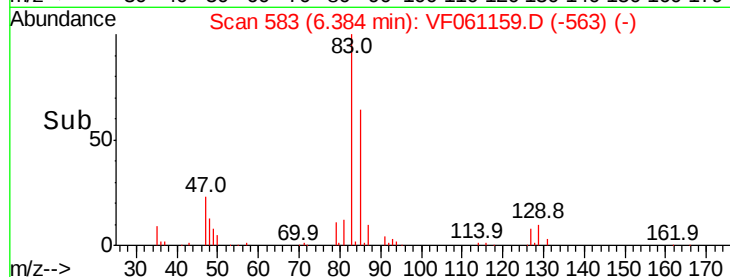
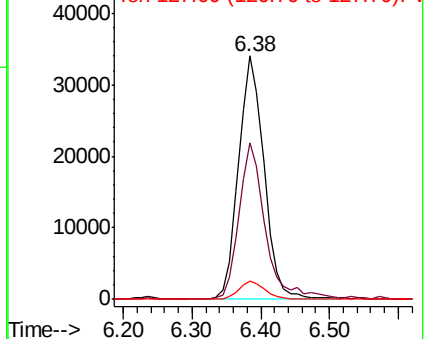
83 100

85 64.3 52.2 78.4

127 7.7 6.1 9.1



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: 22.594 ug/l

RT: 6.72 min Scan# 617

Delta R.T. 0.00 min

Lab File: VF061159.D

Acq: 24 Dec 2018 12:19

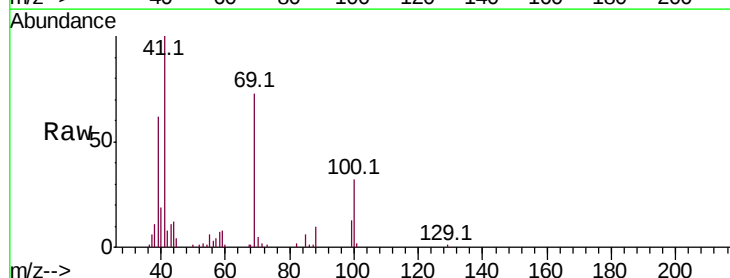
Tgt Ion: 41 Resp: 34243

Ion Ratio Lower Upper

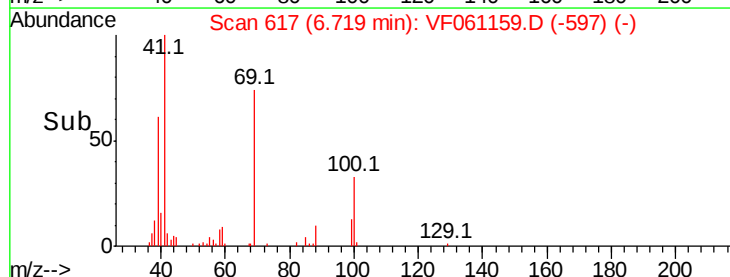
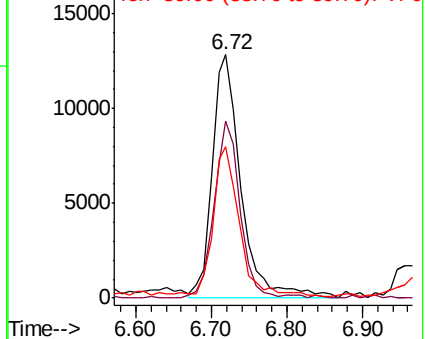
41 100

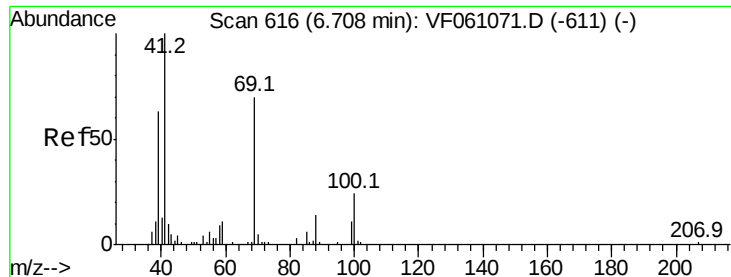
69 72.8 52.7 79.1

39 62.1 47.8 71.6



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

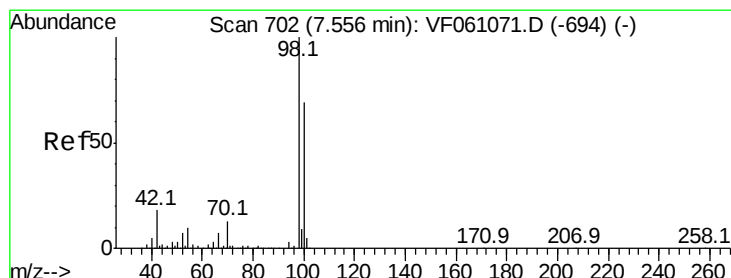
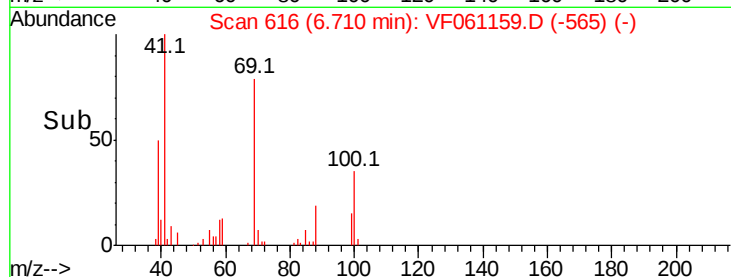
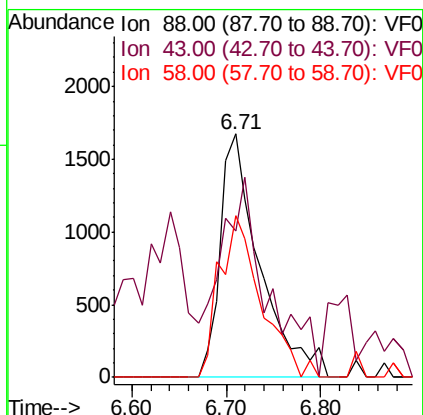
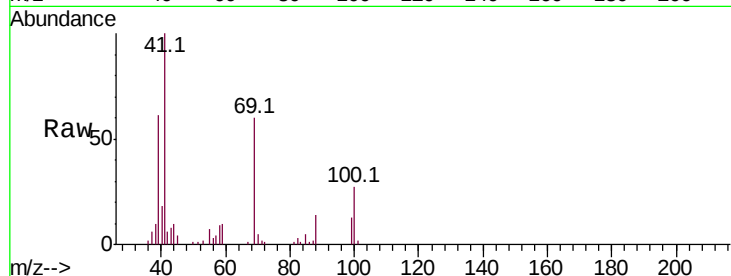




#49
1,4-Dioxane
Concen: 441.214 ug/l
RT: 6.71 min Scan# 616
Delta R.T. 0.00 min
Lab File: VF061159.D
Acq: 24 Dec 2018 12:19

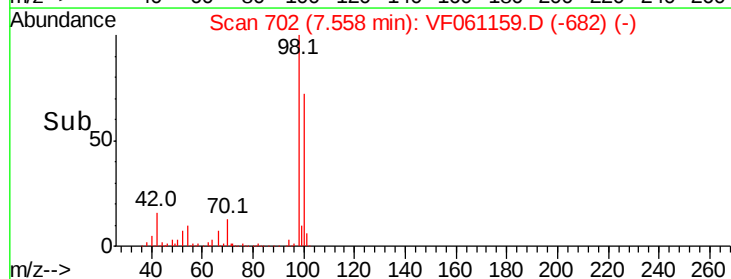
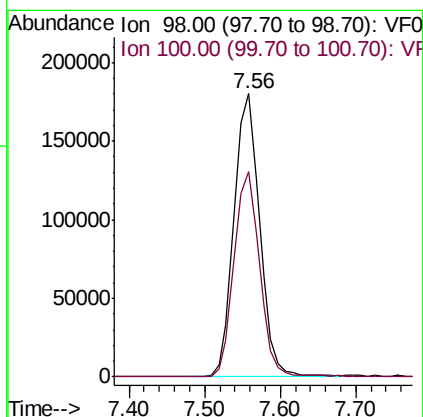
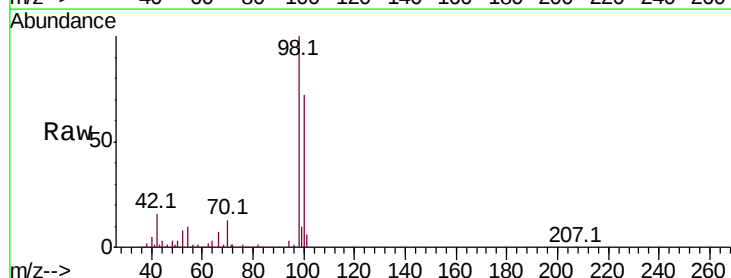
Instrument :
MSVOA_F
ClientSampleId :

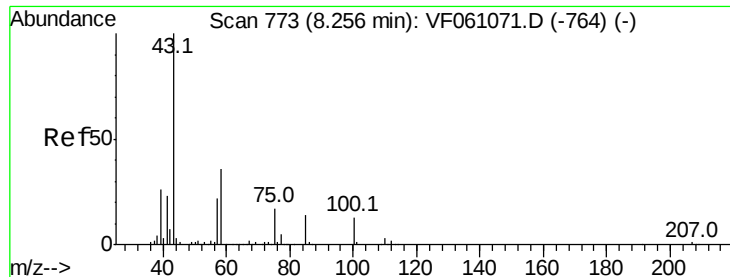
Tot Ion: 88 Resp: 4852
Ion Ratio Lower Upper
88 100
43 59.9 33.3 49.9#
58 66.6 53.2 79.8



#50
Toluene-d8
Concen: 50.124 ug/l
RT: 7.56 min Scan# 702
Delta R.T. 0.00 min
Lab File: VF061159.D
Acq: 24 Dec 2018 12:19

Tgt Ion: 98 Resp: 423841
Ion Ratio Lower Upper
98 100
100 72.4 55.3 82.9





#51

4-Methyl-2-Pentanone

Concen: 113.203 ug/l

RT: 8.26 min Scan# 773

Delta R.T. 0.00 min

Lab File: VF061159.D

Acq: 24 Dec 2018 12:19

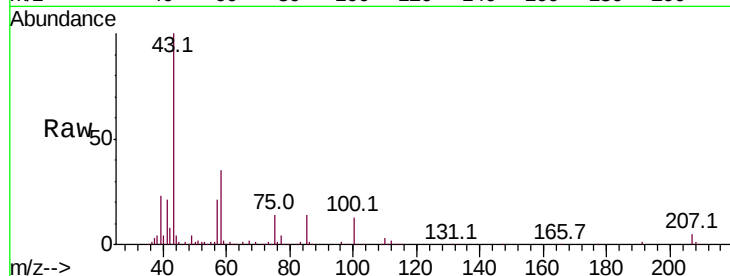
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 168547

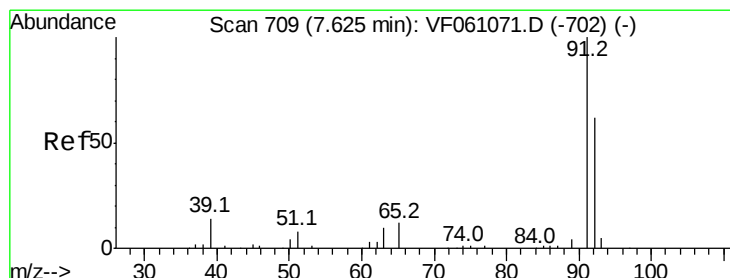
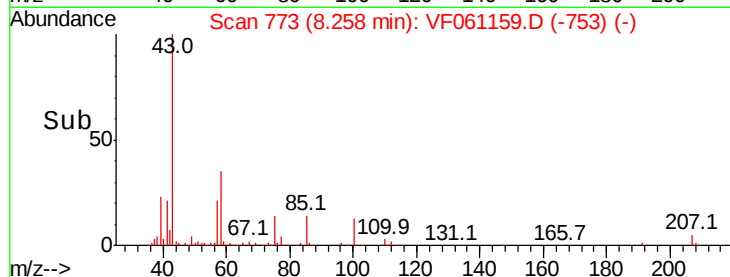
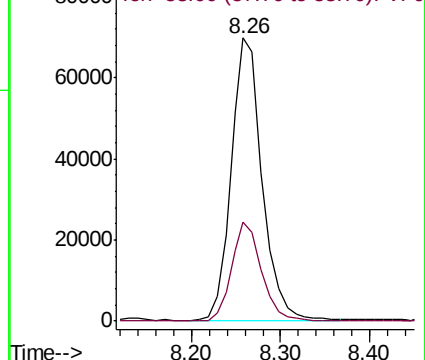
Ion Ratio Lower Upper

43 100

58 35.2 29.1 43.7



Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 20.293 ug/l

RT: 7.63 min Scan# 709

Delta R.T. 0.00 min

Lab File: VF061159.D

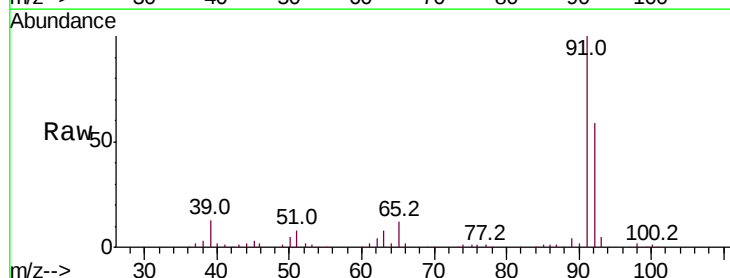
Acq: 24 Dec 2018 12:19

Tgt Ion: 92 Resp: 129880

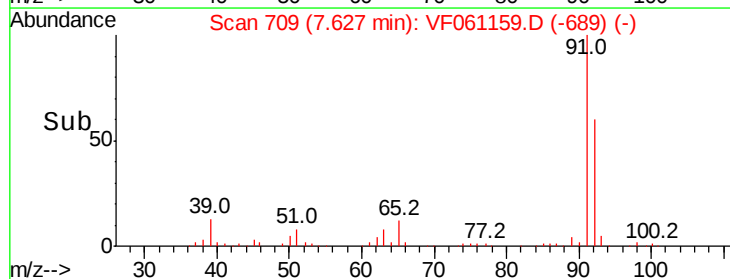
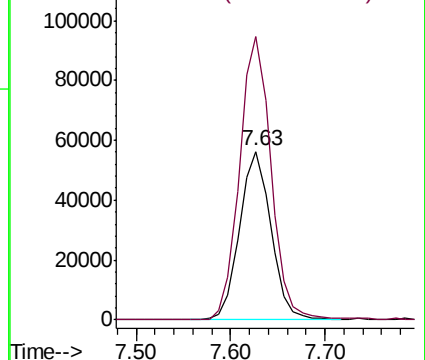
Ion Ratio Lower Upper

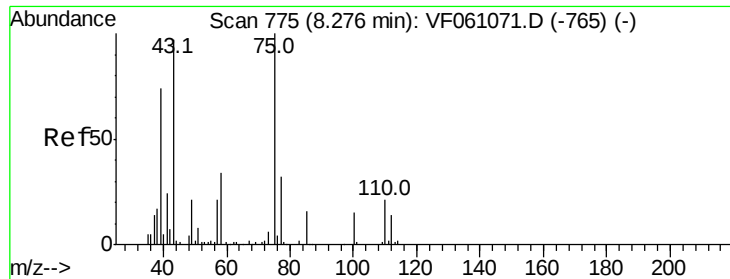
92 100

91 168.2 128.8 193.2



Abundance Ion 92.00 (91.70 to 92.70): VF0
Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 20.817 ug/l

RT: 8.28 min Scan# 775

Delta R.T. 0.00 min

Lab File: VF061159.D

Acq: 24 Dec 2018 12:19

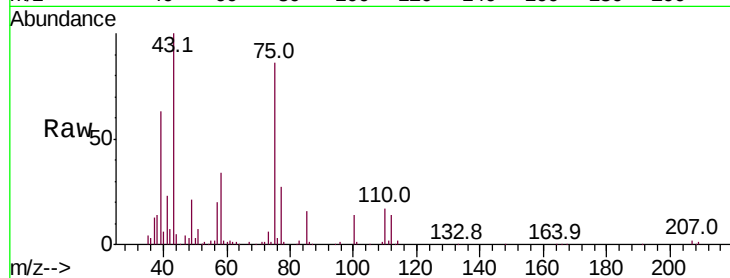
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 75 Resp: 74447

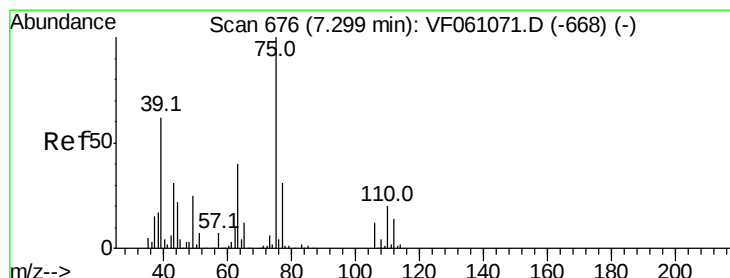
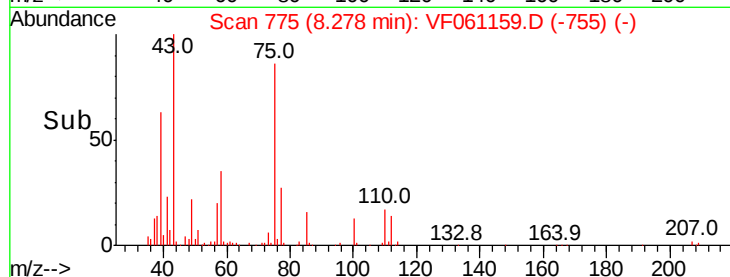
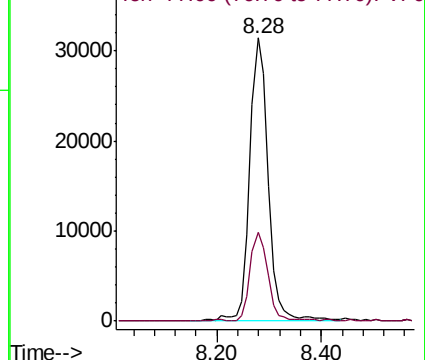
Ion Ratio Lower Upper

75 100

77 31.3 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VF0
Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 20.339 ug/l

RT: 7.30 min Scan# 676

Delta R.T. 0.00 min

Lab File: VF061159.D

Acq: 24 Dec 2018 12:19

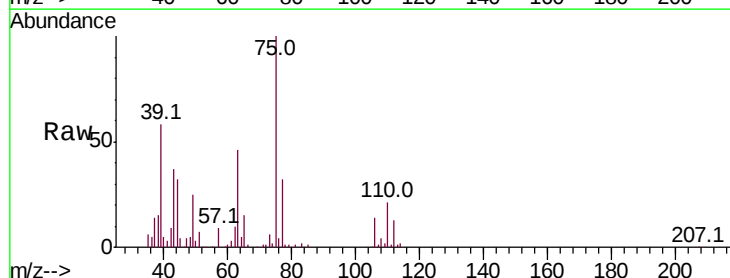
Tgt Ion: 75 Resp: 91291

Ion Ratio Lower Upper

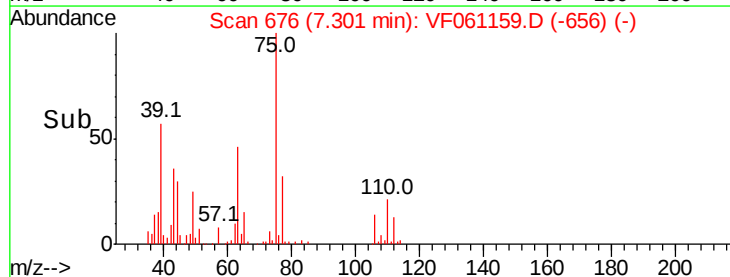
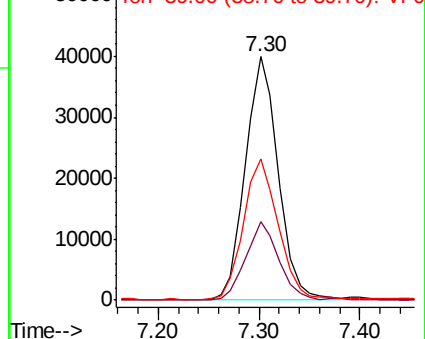
75 100

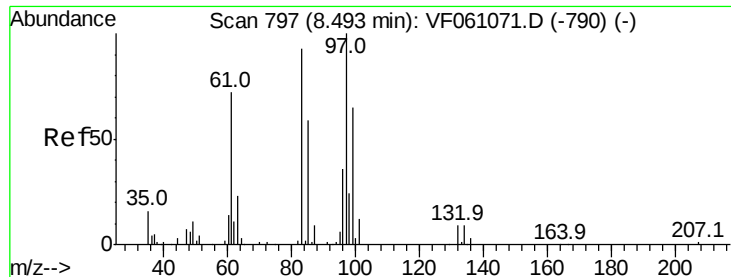
77 32.1 25.0 37.4

39 57.9 50.1 75.1



Abundance Ion 75.00 (74.70 to 75.70): VF0
Ion 77.00 (76.70 to 77.70): VF0
Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 19.980 ug/l

RT: 8.49 min Scan# 797

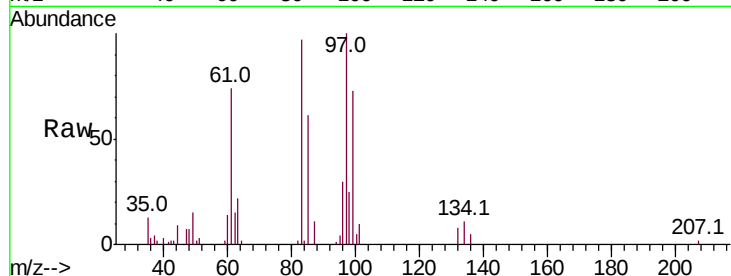
Delta R.T. 0.00 min

Lab File: VF061159.D

Acq: 24 Dec 2018 12:19

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	97	Resp:	38337
Ion	Ratio	Lower	Upper
97	100		
83	96.9	75.0	112.4
85	60.8	47.5	71.3
99	72.6	51.9	77.9

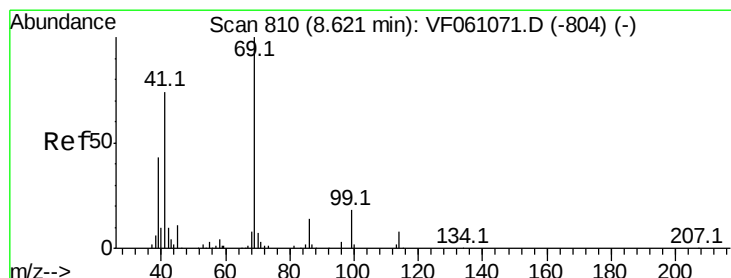
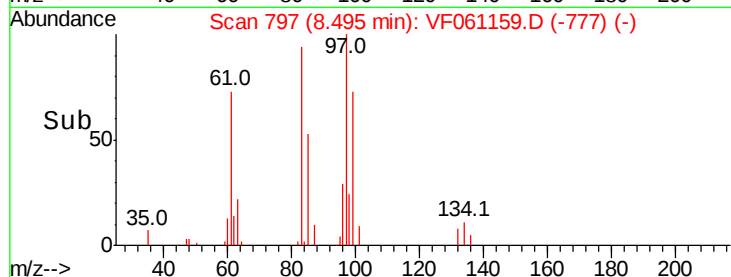
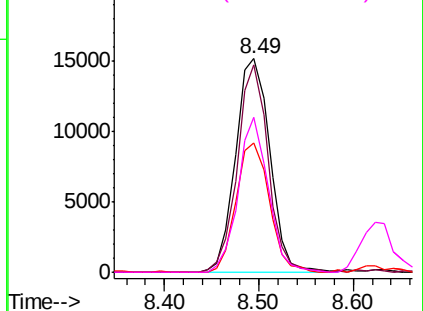


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 22.031 ug/l

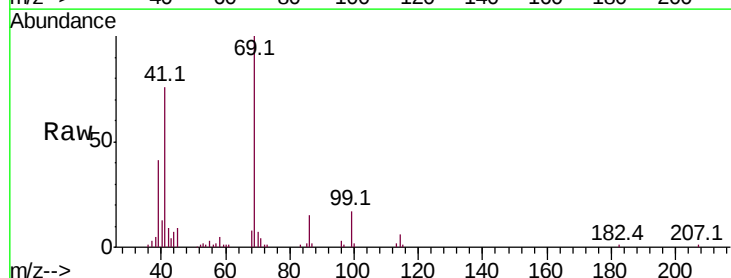
RT: 8.62 min Scan# 810

Delta R.T. 0.00 min

Lab File: VF061159.D

Acq: 24 Dec 2018 12:19

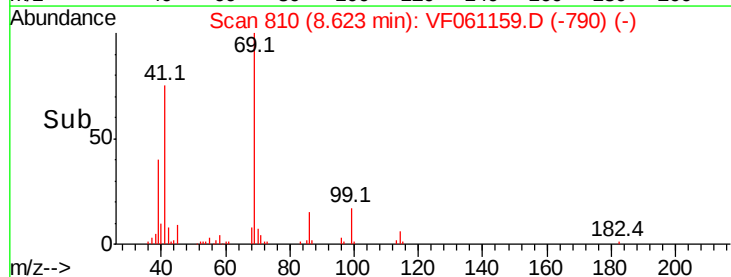
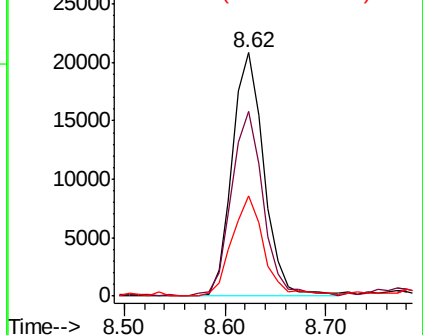
Tgt Ion:	69	Resp:	45742
Ion	Ratio	Lower	Upper
69	100		
41	75.9	59.7	89.5
39	41.0	35.0	52.6

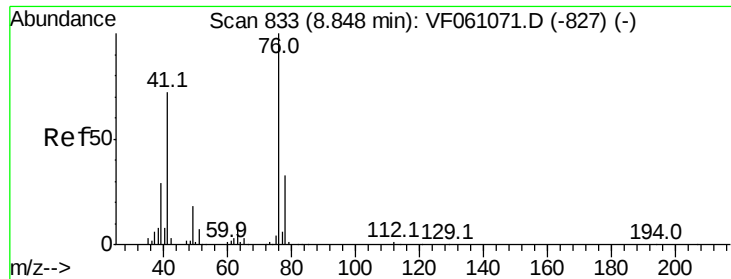


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 20.703 ug/l

RT: 8.86 min Scan# 834

Delta R.T. 0.01 min

Lab File: VF061159.D

Acq: 24 Dec 2018 12:19

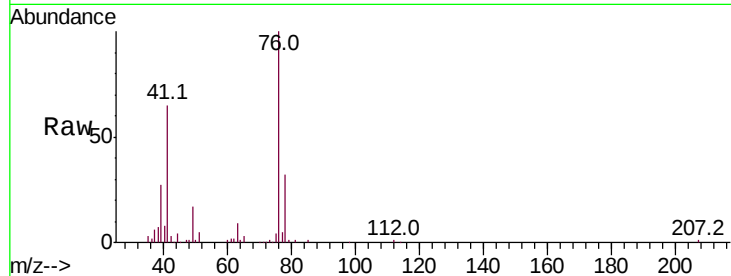
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 76 Resp: 71845

Ion Ratio Lower Upper

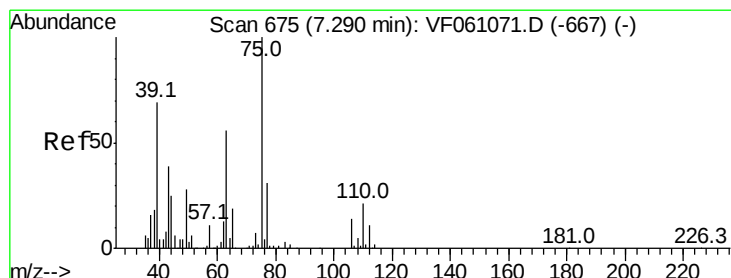
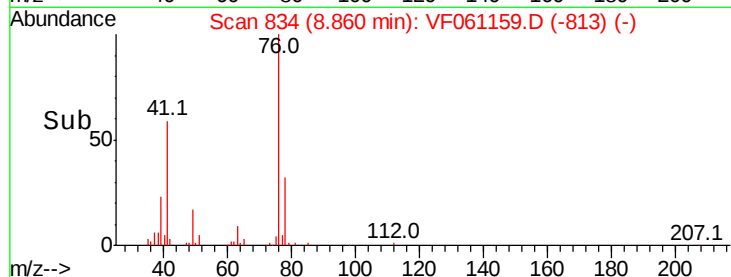
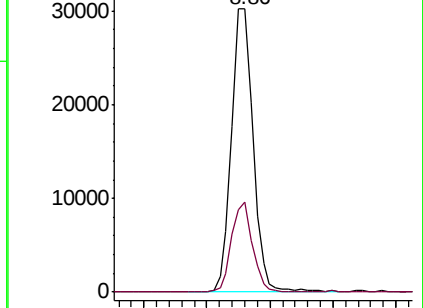
76 100

78 31.7 26.5 39.7



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 113.291 ug/l

RT: 7.29 min Scan# 675

Delta R.T. 0.00 min

Lab File: VF061159.D

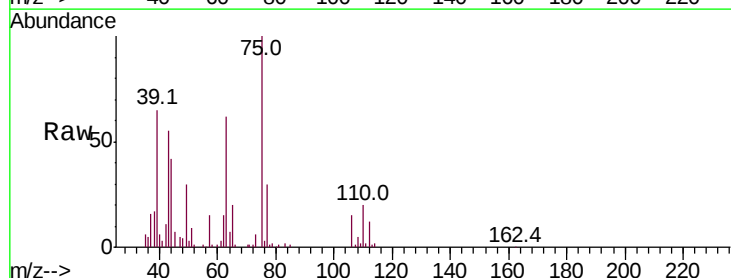
Acq: 24 Dec 2018 12:19

Tgt Ion: 63 Resp: 45175

Ion Ratio Lower Upper

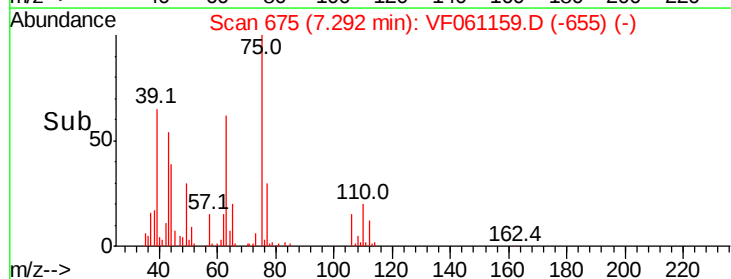
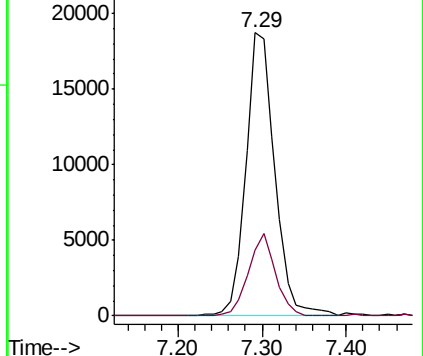
63 100

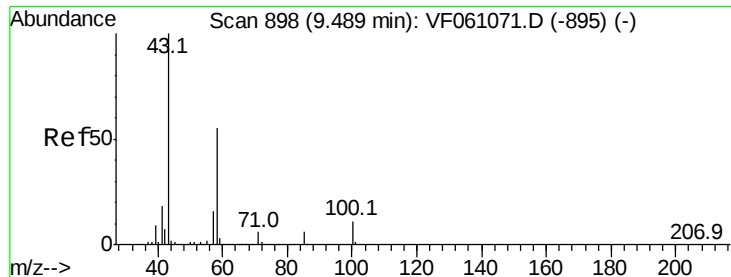
106 23.2 19.8 29.8



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

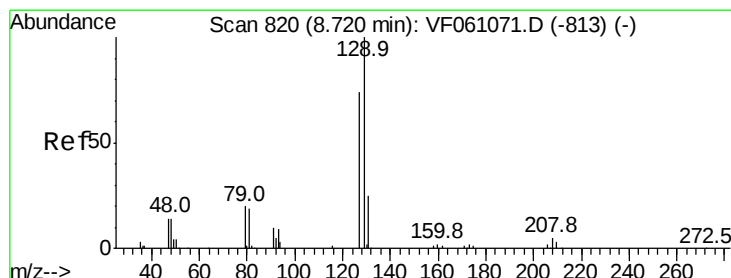
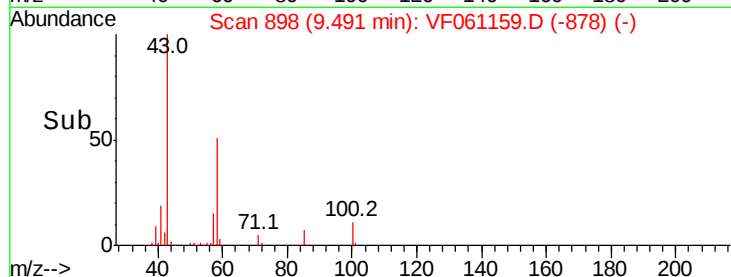
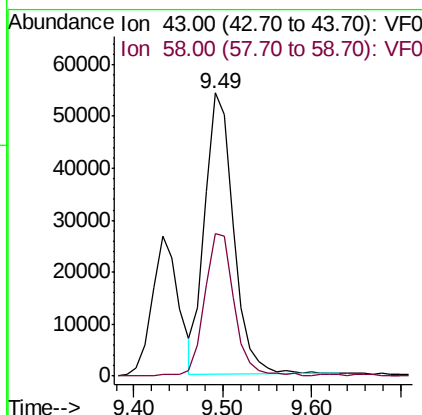
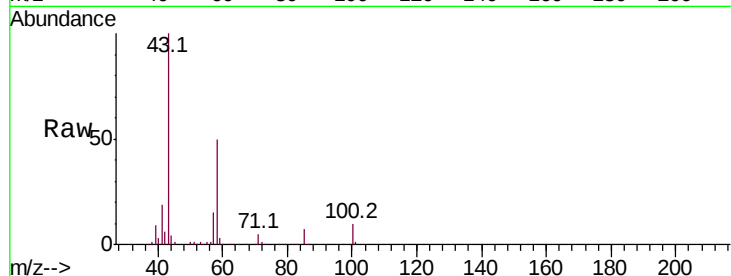




#59
2-Hexanone
Concen: 112.543 ug/l
RT: 9.49 min Scan# 898
Delta R.T. 0.00 min
Lab File: VF061159.D
Acq: 24 Dec 2018 12:19

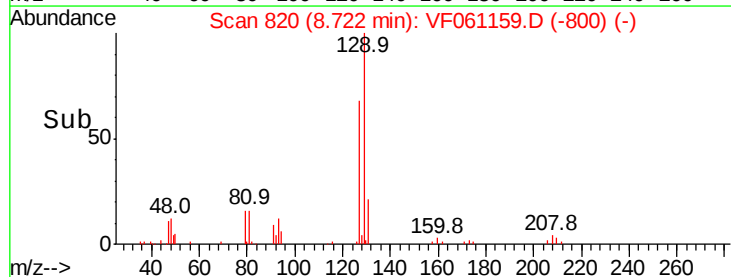
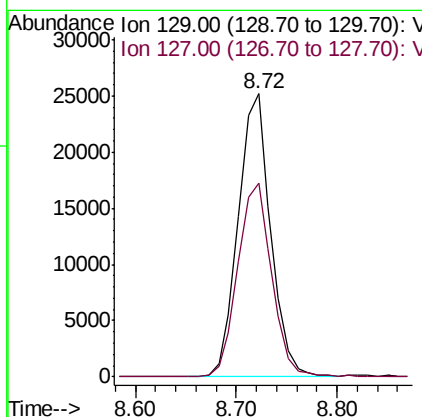
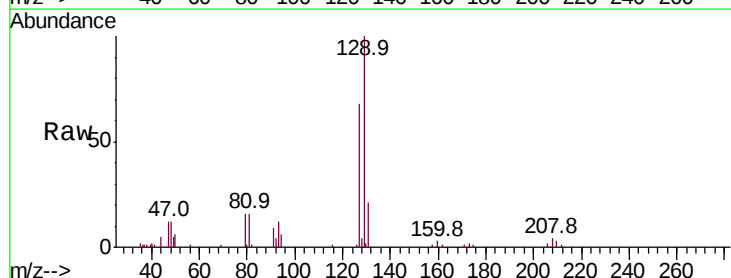
Instrument :
MSVOA_F
ClientSampleId :

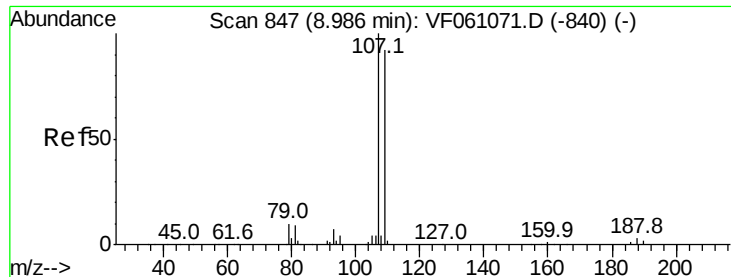
Tot Ion: 43 Resp: 121179
Ion Ratio Lower Upper
43 100
58 50.4 25.1 75.2



#60
Dibromochloromethane
Concen: 20.586 ug/l
RT: 8.72 min Scan# 820
Delta R.T. 0.00 min
Lab File: VF061159.D
Acq: 24 Dec 2018 12:19

Tgt Ion:129 Resp: 56620
Ion Ratio Lower Upper
129 100
127 68.4 36.8 110.3





#61

1,2-Dibromoethane

Concen: 19.165 ug/l

RT: 8.99 min Scan# 847

Delta R.T. 0.00 min

Lab File: VF061159.D

Acq: 24 Dec 2018 12:19

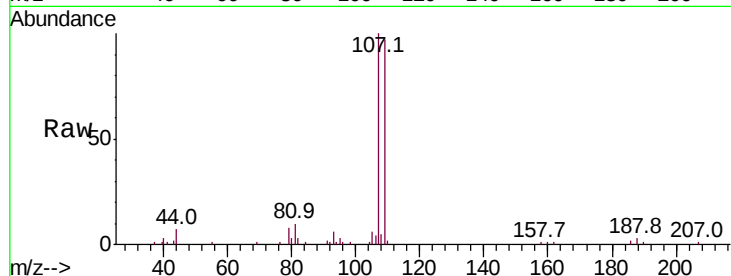
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:107 Resp: 39273

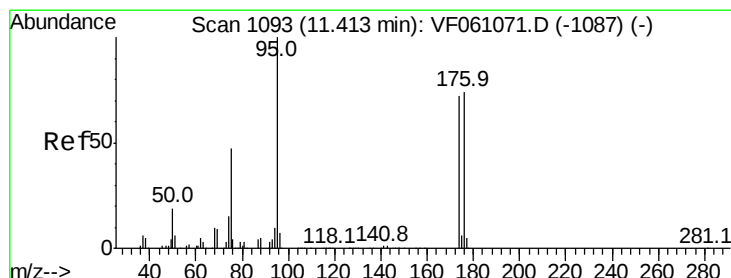
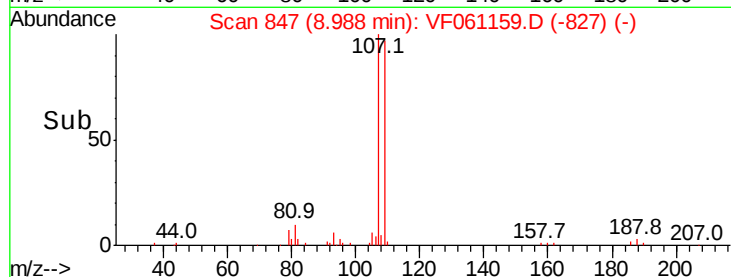
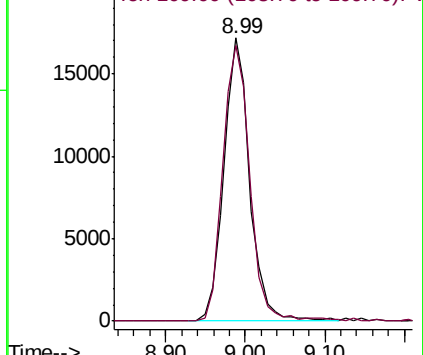
Ion Ratio Lower Upper

107 100

109 97.2 73.7 110.5



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



#62

4-Bromofluorobenzene

Concen: 50.387 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. 0.00 min

Lab File: VF061159.D

Acq: 24 Dec 2018 12:19

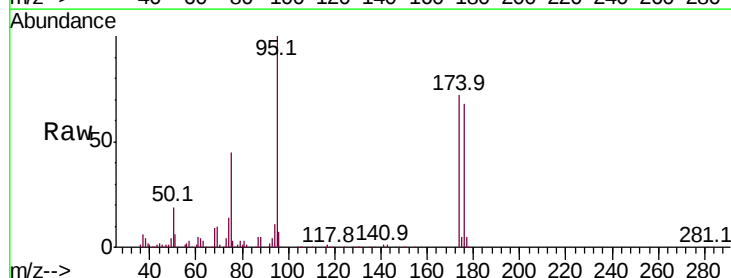
Tgt Ion: 95 Resp: 196420

Ion Ratio Lower Upper

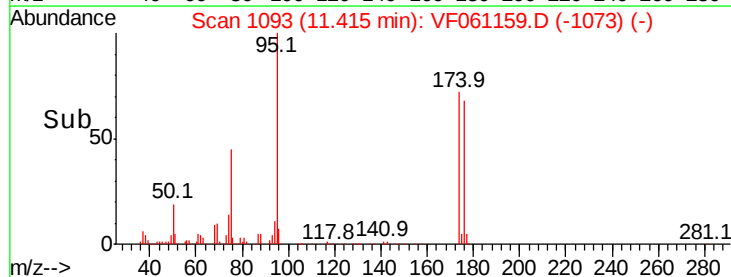
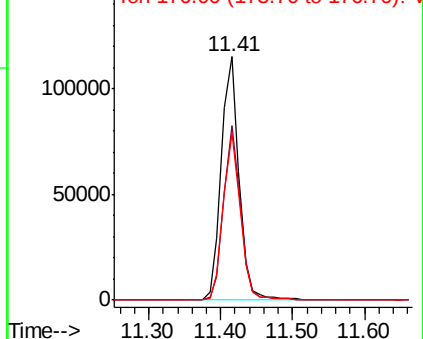
95 100

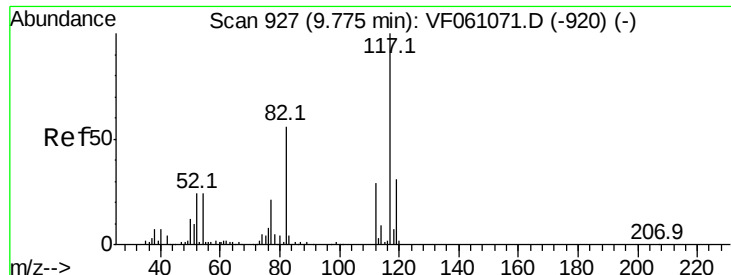
174 71.7 0.0 143.8

176 68.3 0.0 147.6



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

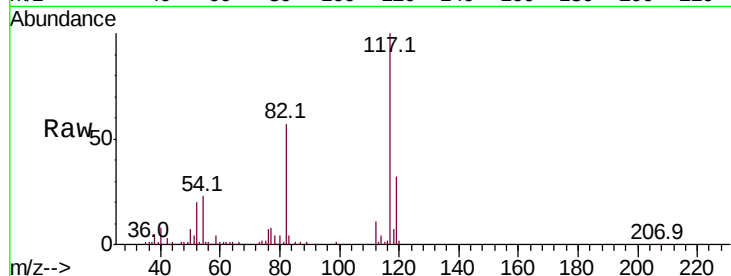




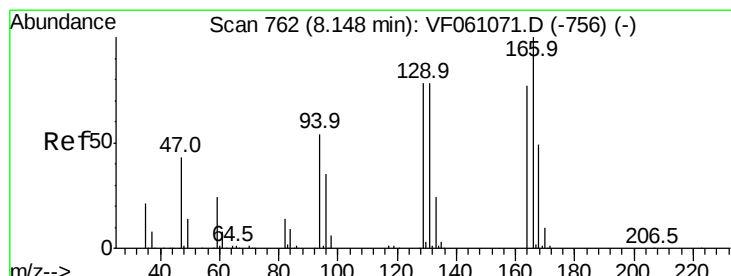
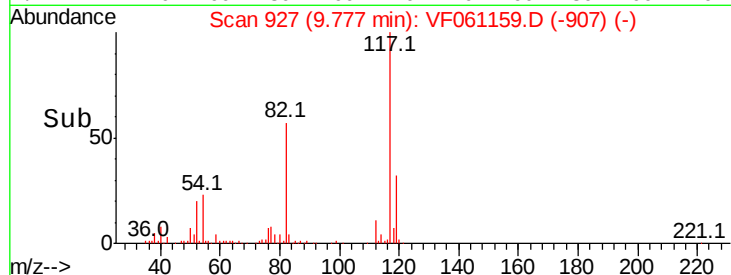
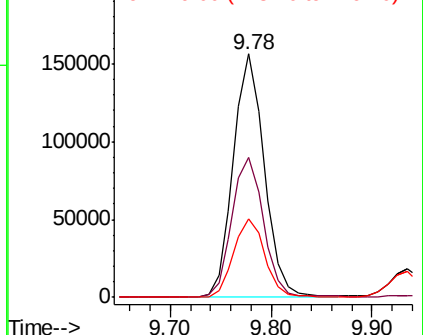
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.78 min Scan# 927
Delta R.T. 0.00 min
Lab File: VF061159.D
Acq: 24 Dec 2018 12:19

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:117 Resp: 336747
Ion Ratio Lower Upper
117 100
82 57.3 45.0 67.4
119 32.0 24.8 37.2



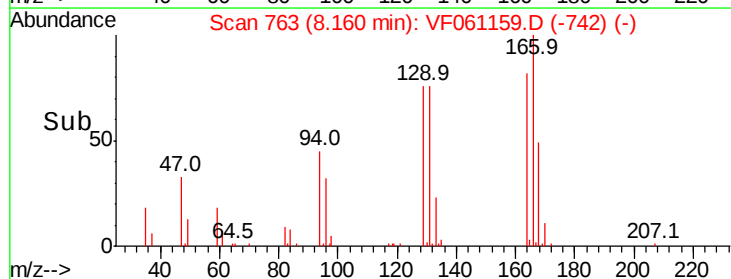
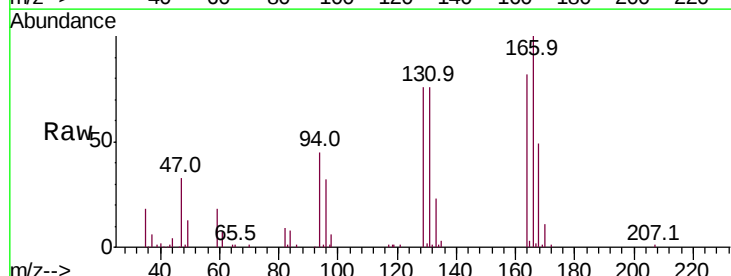
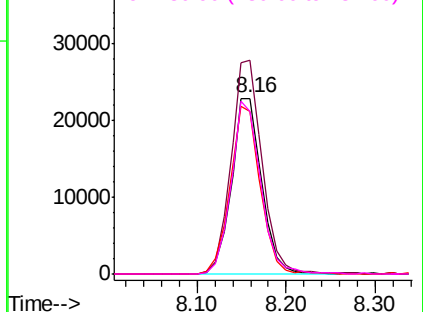
Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

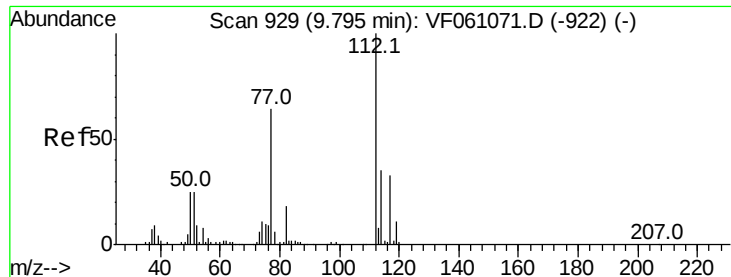


#64
Tetrachloroethene
Concen: 20.860 ug/l
RT: 8.16 min Scan# 763
Delta R.T. 0.01 min
Lab File: VF061159.D
Acq: 24 Dec 2018 12:19

Tgt Ion:164 Resp: 54037
Ion Ratio Lower Upper
164 100
166 121.7 104.0 156.0
129 92.4 81.1 121.7
131 92.8 81.2 121.8

Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V

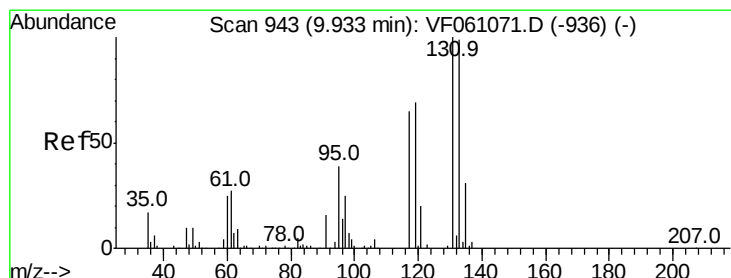
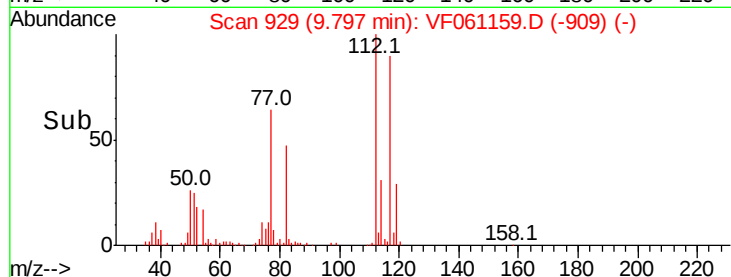
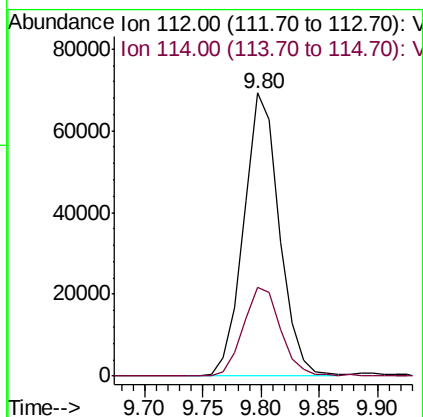
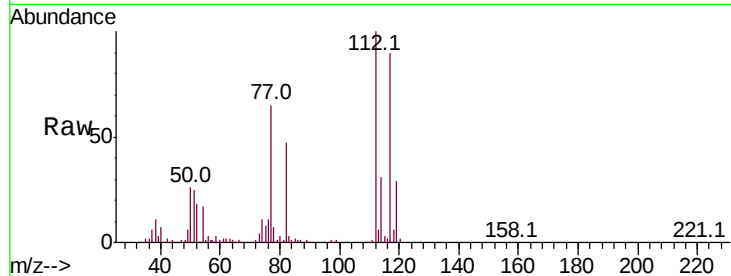




#65
Chlorobenzene
Concen: 21.146 ug/l
RT: 9.80 min Scan# 929
Delta R.T. 0.00 min
Lab File: VF061159.D
Acq: 24 Dec 2018 12:19

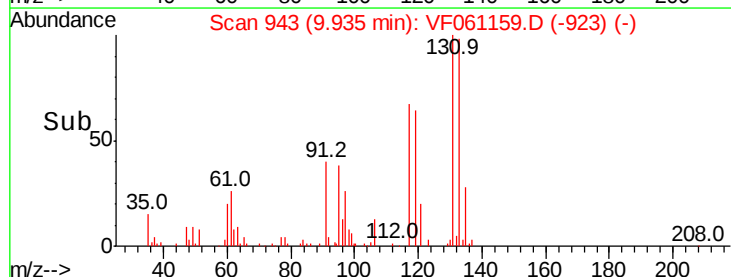
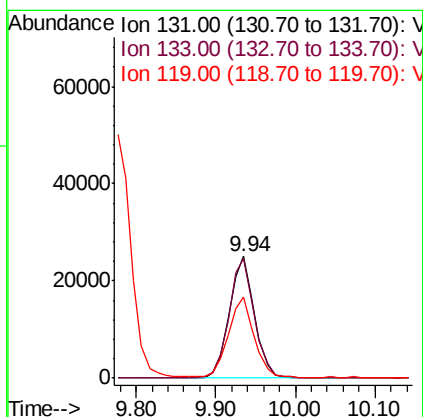
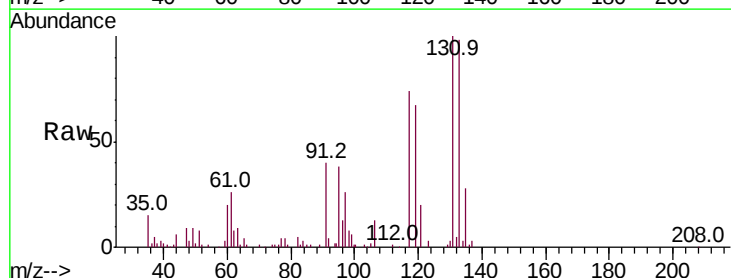
Instrument :
MSVOA_F
ClientSampleId :

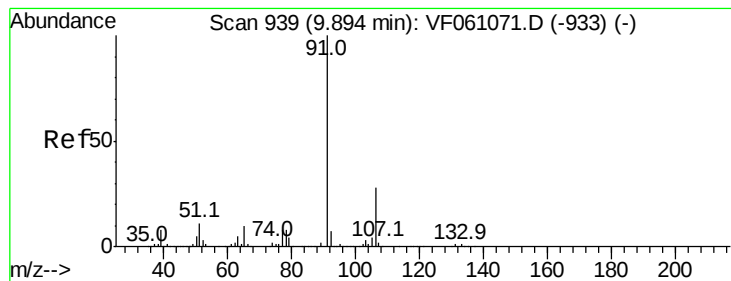
Tot Ion:112 Resp: 147106
Ion Ratio Lower Upper
112 100
114 31.4 27.8 41.6



#66
1,1,1,2-Tetrachloroethane
Concen: 19.349 ug/l
RT: 9.94 min Scan# 943
Delta R.T. 0.00 min
Lab File: VF061159.D
Acq: 24 Dec 2018 12:19

Tgt Ion:131 Resp: 55009
Ion Ratio Lower Upper
131 100
133 98.3 49.5 148.7
119 66.9 34.5 103.5





#67

Ethyl Benzene

Concen: 21.307 ug/l

RT: 9.91 min Scan# 940

Delta R.T. 0.01 min

Lab File: VF061159.D

Acq: 24 Dec 2018 12:19

Instrument :

MSVOA_F

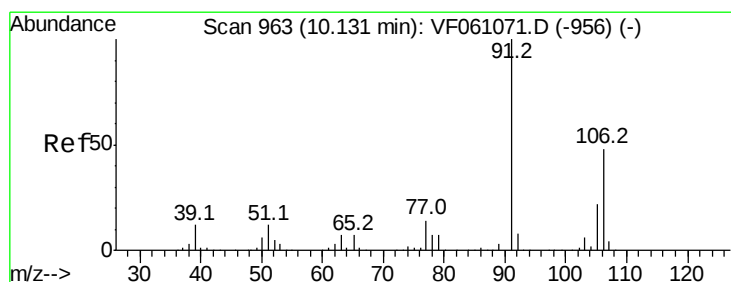
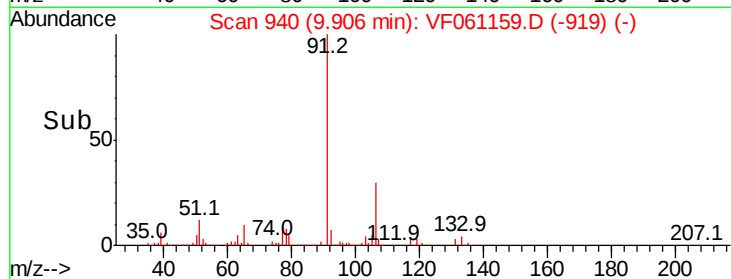
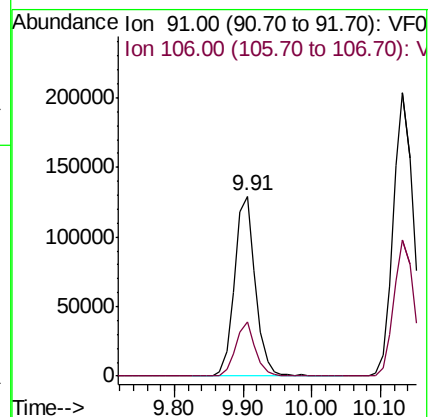
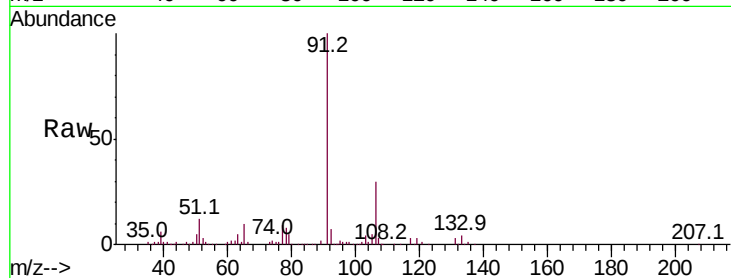
ClientSampled :

Tot Ion: 91 Resp: 270036

Ion Ratio Lower Upper

91 100

106 29.9 22.5 33.7



#68

m/p-Xylenes

Concen: 45.194 ug/l

RT: 10.13 min Scan# 963

Delta R.T. 0.00 min

Lab File: VF061159.D

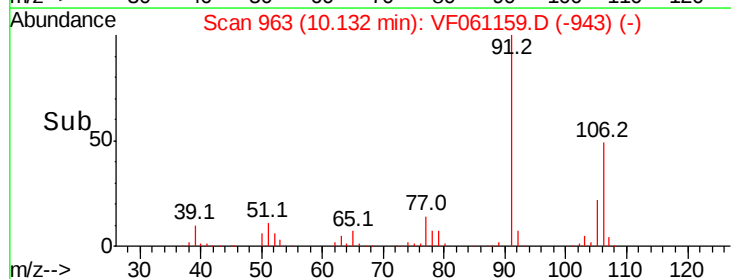
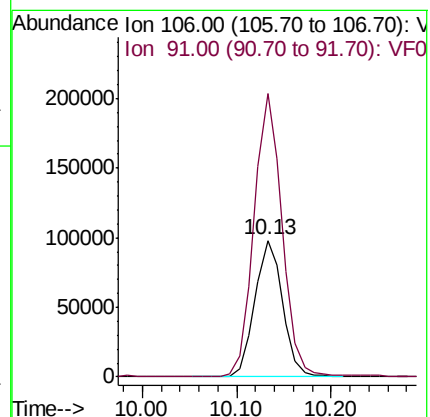
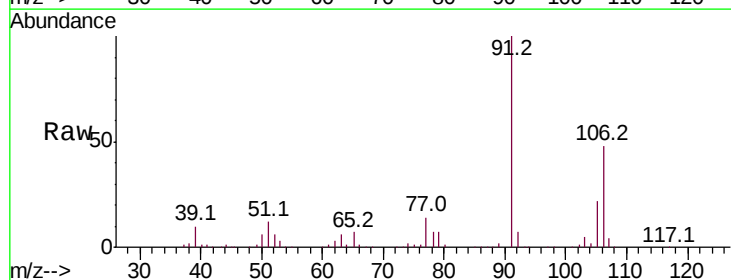
Acq: 24 Dec 2018 12:19

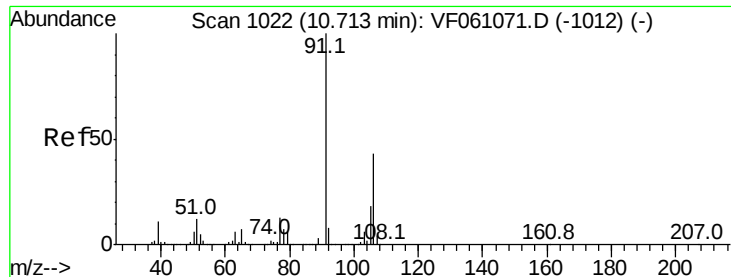
Tgt Ion:106 Resp: 201577

Ion Ratio Lower Upper

106 100

91 207.8 168.2 252.2

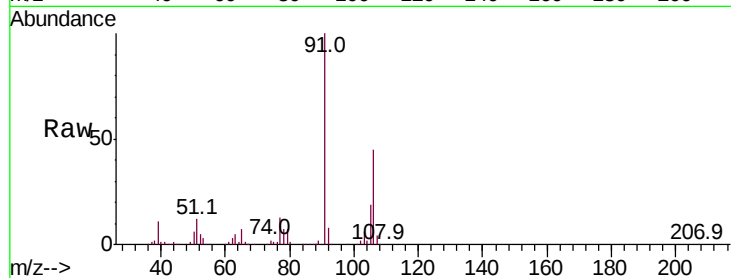




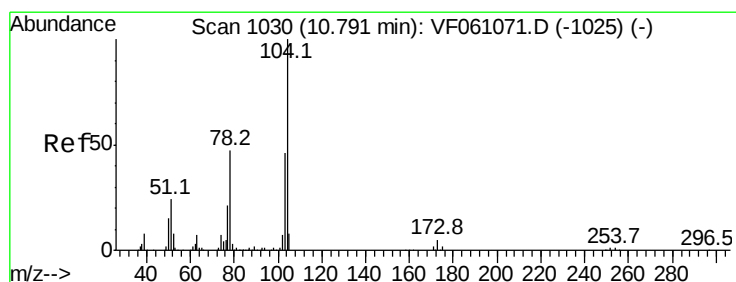
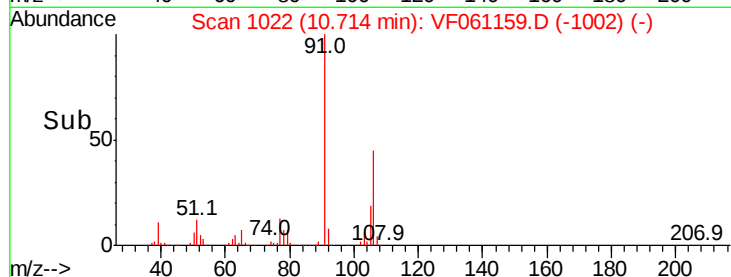
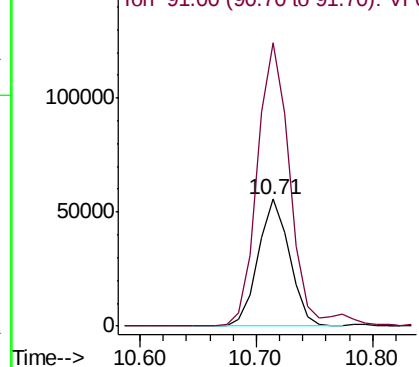
#69
o-Xylene
Concen: 21.159 ug/l
RT: 10.71 min Scan# 1022
Delta R.T. 0.00 min
Lab File: VF061159.D
Acq: 24 Dec 2018 12:19

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:106 Resp: 104670
Ion Ratio Lower Upper
106 100
91 223.5 115.9 347.7

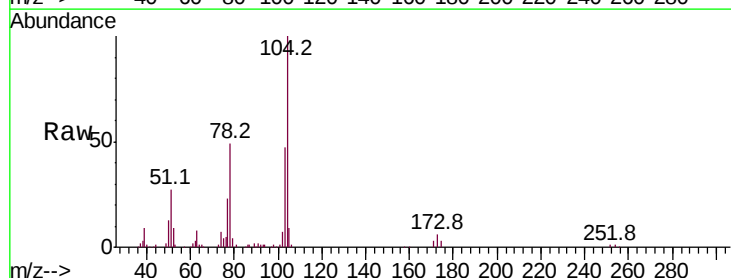


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VF0

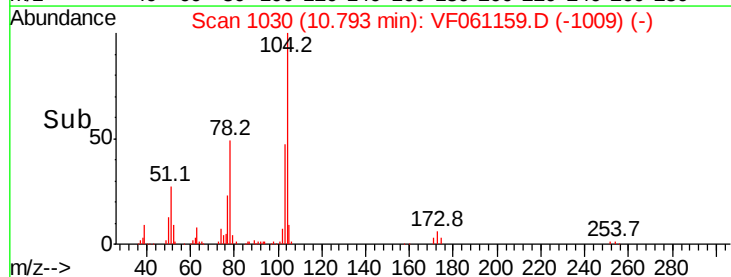
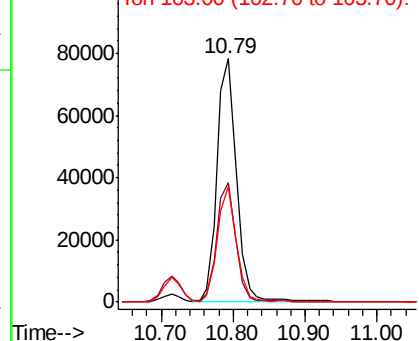


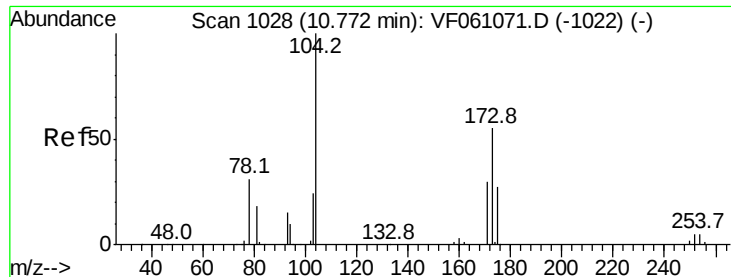
#70
Styrene
Concen: 21.294 ug/l
RT: 10.79 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VF061159.D
Acq: 24 Dec 2018 12:19

Tgt Ion:104 Resp: 145254
Ion Ratio Lower Upper
104 100
78 48.8 38.4 57.6
103 47.4 37.0 55.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VF0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 20.255 ug/l

RT: 10.77 min Scan# 1028

Delta R.T. 0.00 min

Lab File: VF061159.D

Acq: 24 Dec 2018 12:19

Instrument :

MSVOA_F

ClientSampleId :

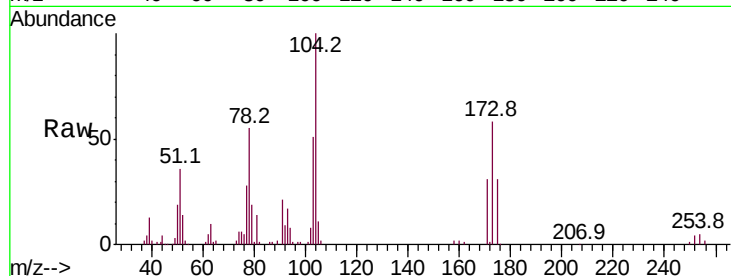
Tot Ion:173 Resp: 26641

Ion Ratio Lower Upper

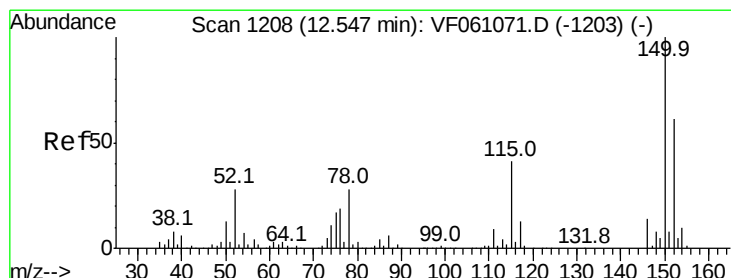
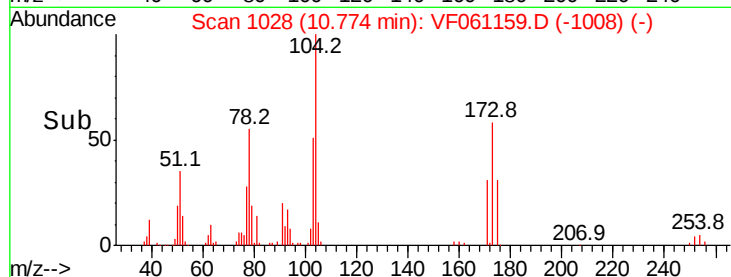
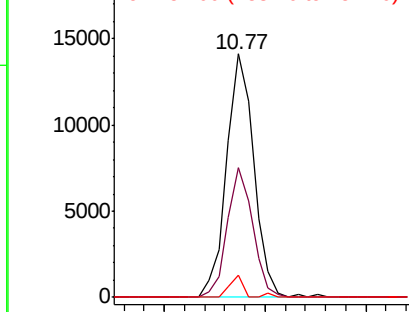
173 100

175 53.3 24.8 74.4

254 8.9 0.0 0.0#



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# 1208

Delta R.T. 0.00 min

Lab File: VF061159.D

Acq: 24 Dec 2018 12:19

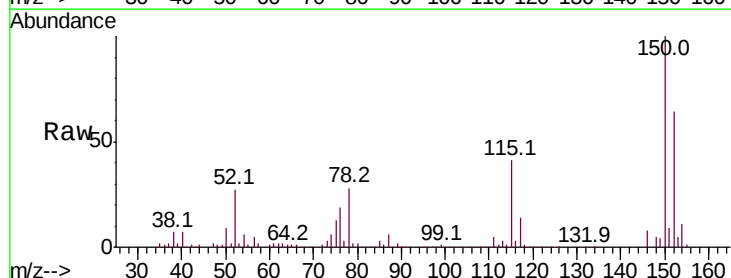
Tgt Ion:152 Resp: 164559

Ion Ratio Lower Upper

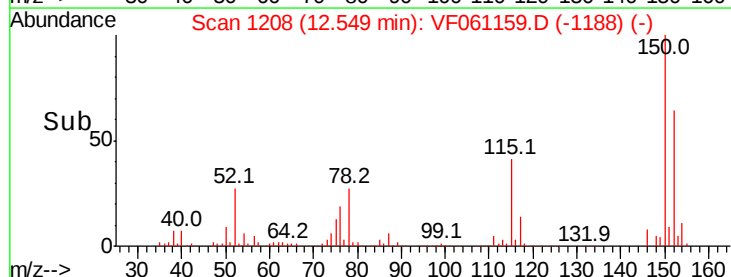
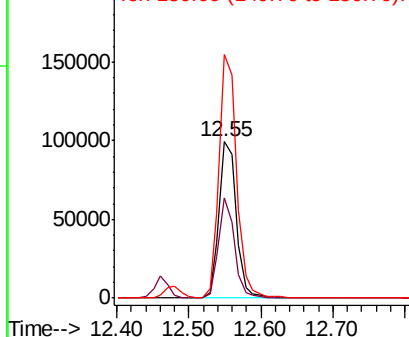
152 100

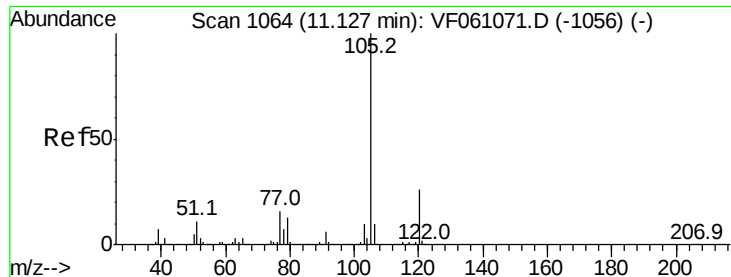
115 63.9 33.3 99.9

150 155.9 0.0 328.2



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: 22.046 ug/l

RT: 11.13 min Scan# 1064

Delta R.T. 0.00 min

Lab File: VF061159.D

Acq: 24 Dec 2018 12:19

Instrument :

MSVOA_F

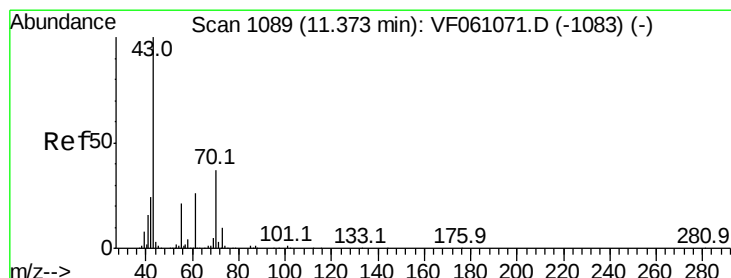
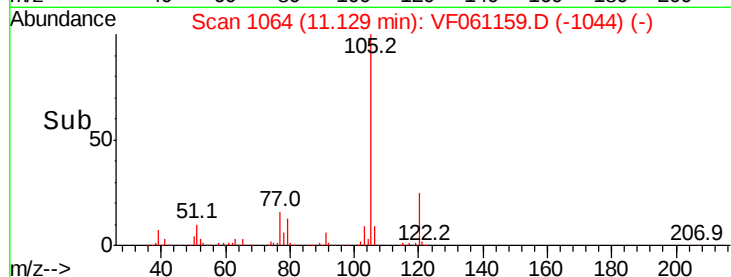
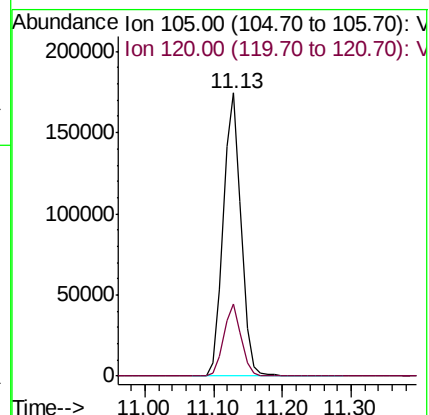
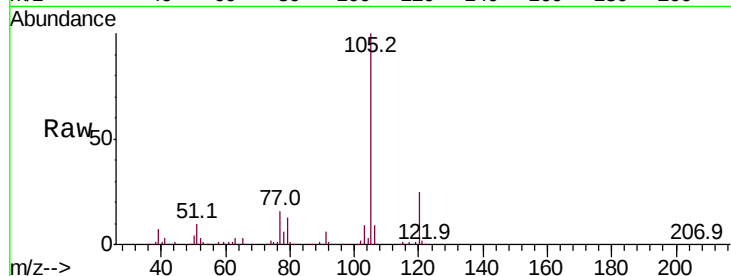
ClientSampleId :

Tot Ion:105 Resp: 312633

Ion Ratio Lower Upper

105 100

120 25.3 13.0 39.0



#74

N-ethyl acetate

Concen: 23.712 ug/l

RT: 11.38 min Scan# 1089

Delta R.T. 0.00 min

Lab File: VF061159.D

Acq: 24 Dec 2018 12:19

Tgt Ion: 43 Resp: 74656

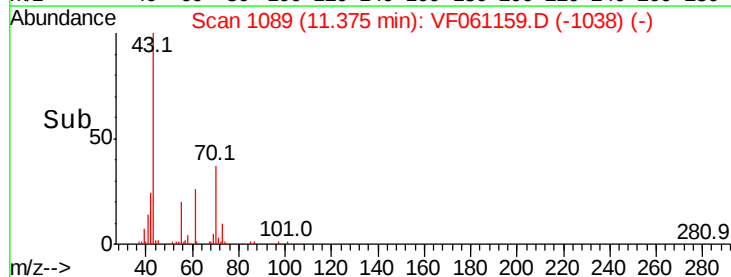
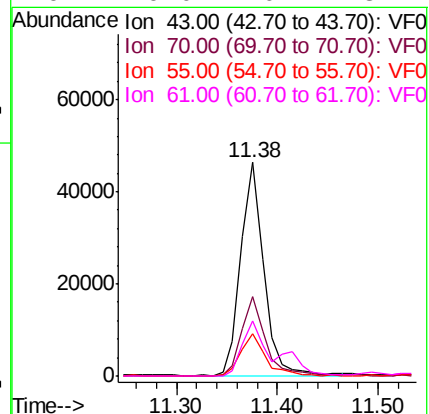
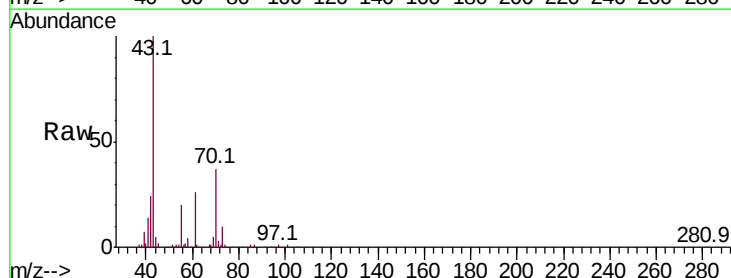
Ion Ratio Lower Upper

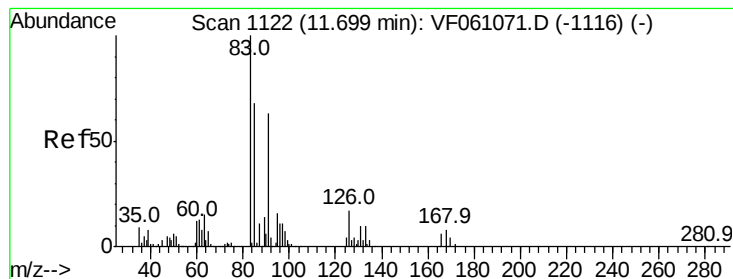
43 100

70 37.1 29.2 43.8

55 19.6 16.5 24.7

61 26.0 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 22.666 ug/l

RT: 11.70 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VF061159.D

Acq: 24 Dec 2018 12:19

Instrument :

MSVOA_F

ClientSampleId :

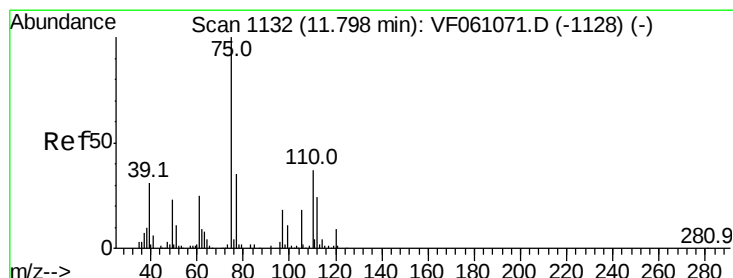
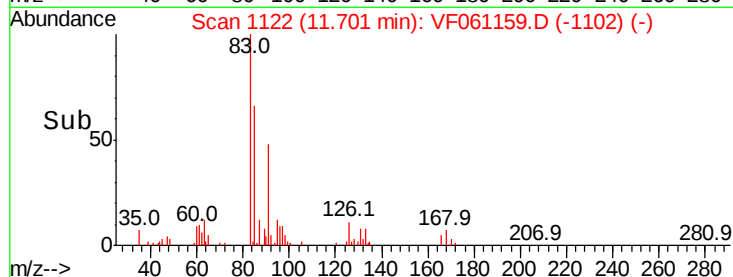
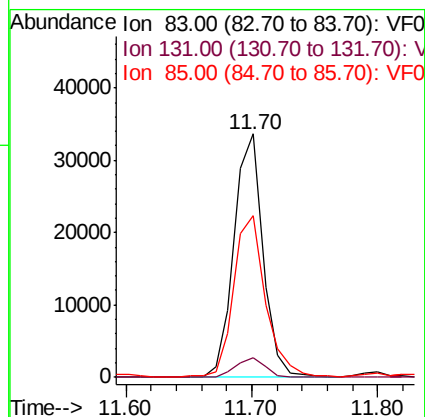
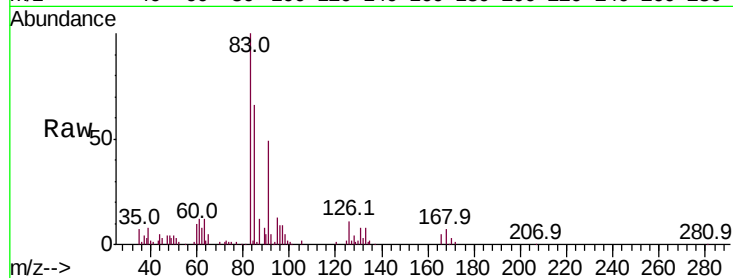
Tot Ion: 83 Resp: 53347

Ion Ratio Lower Upper

83 100

131 8.2 4.8 14.3

85 66.4 33.9 101.6



#76

1,2,3-Trichloropropane

Concen: 20.656 ug/l

RT: 11.80 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VF061159.D

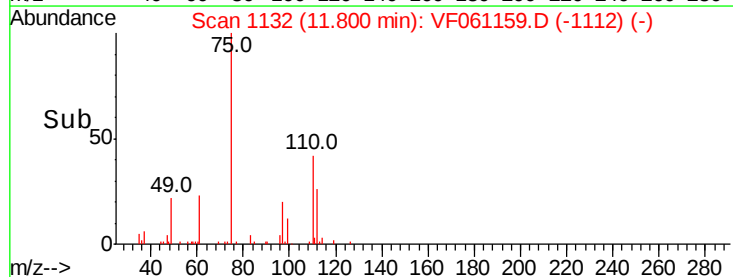
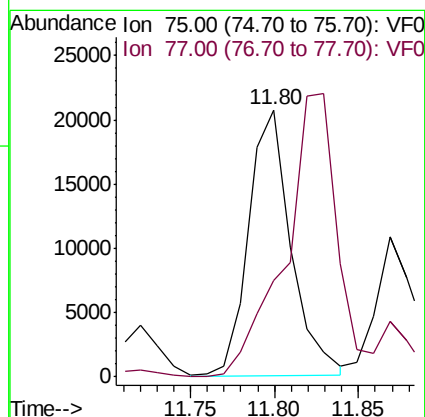
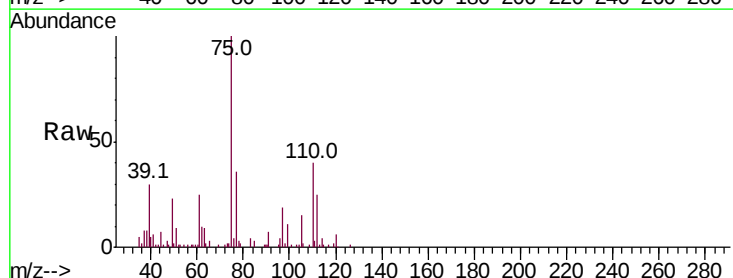
Acq: 24 Dec 2018 12:19

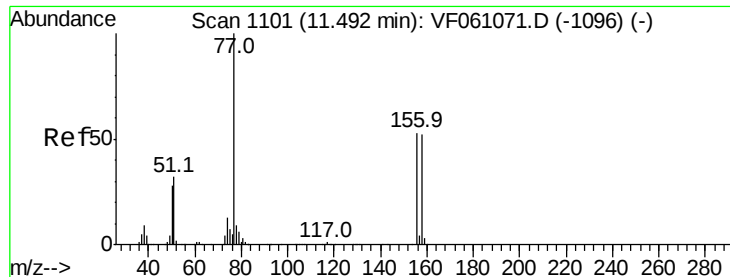
Tgt Ion: 75 Resp: 36179

Ion Ratio Lower Upper

75 100

77 36.4 17.6 52.9





#77

Bromobenzene

Concen: 21.060 ug/l

RT: 11.49 min Scan# 1101

Delta R.T. 0.00 min

Lab File: VF061159.D

Acq: 24 Dec 2018 12:19

Instrument :

MSVOA_F

ClientSampleId :

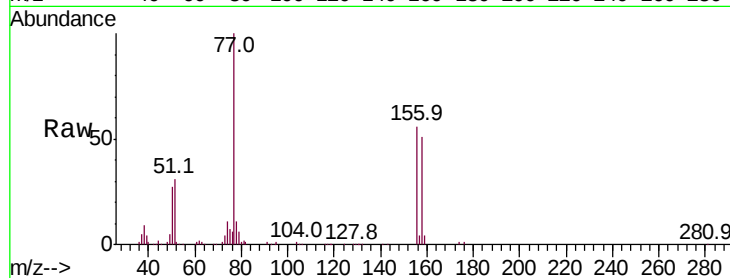
Tot Ion:156 Resp: 64289

Ion Ratio Lower Upper

156 100

77 178.5 93.8 281.4

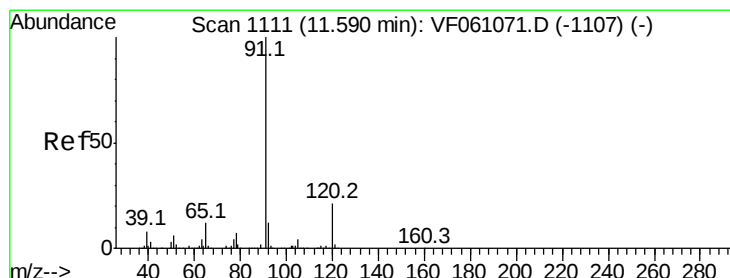
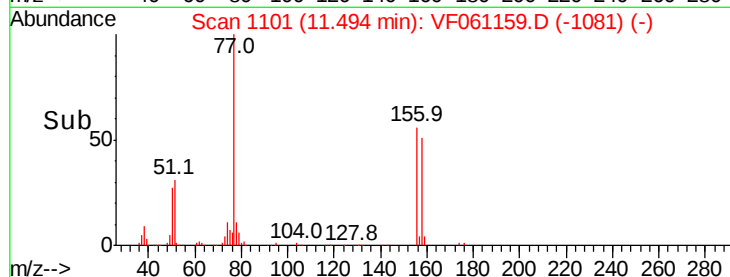
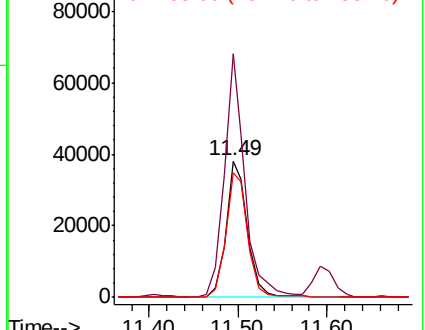
158 91.2 48.9 146.8



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 20.347 ug/l

RT: 11.59 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VF061159.D

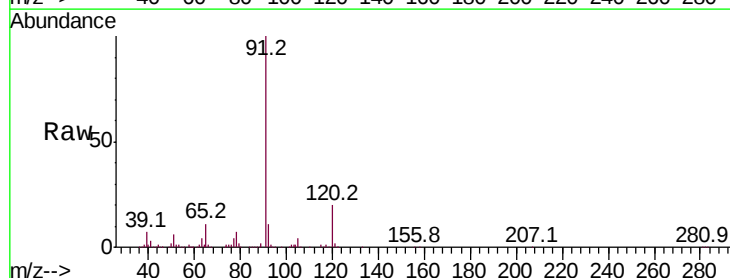
Acq: 24 Dec 2018 12:19

Tgt Ion: 91 Resp: 374177

Ion Ratio Lower Upper

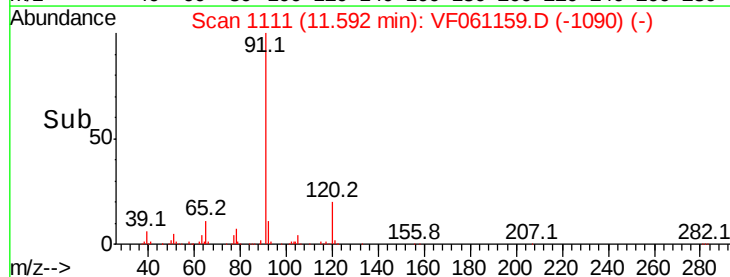
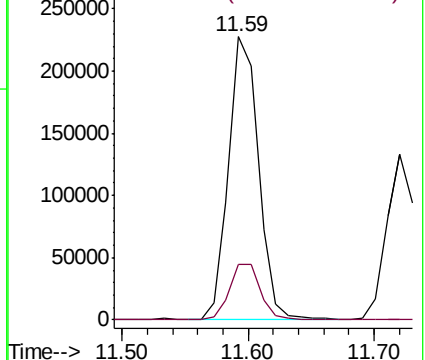
91 100

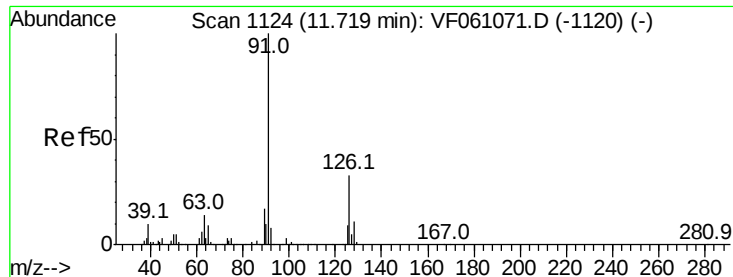
120 19.5 10.4 31.2



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

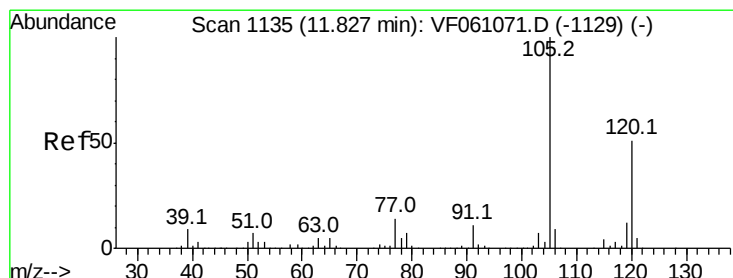
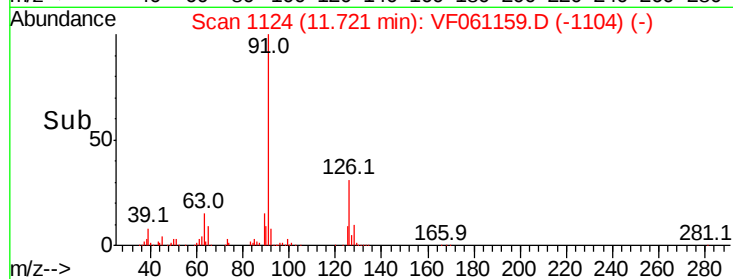
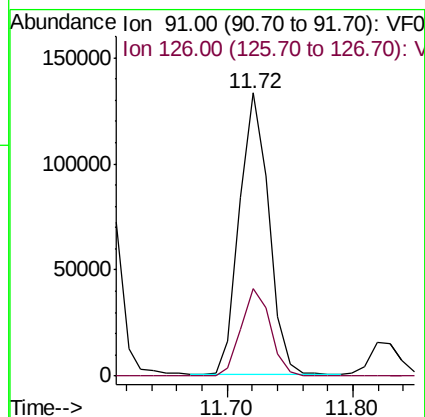
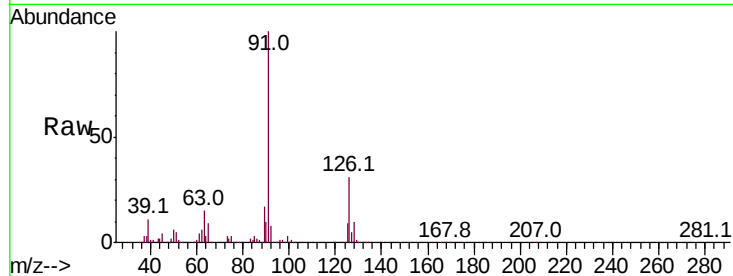




#79
2-Chlorotoluene
Concen: 21.985 ug/l
RT: 11.72 min Scan# 1124
Delta R.T. 0.00 min
Lab File: VF061159.D
Acq: 24 Dec 2018 12:19

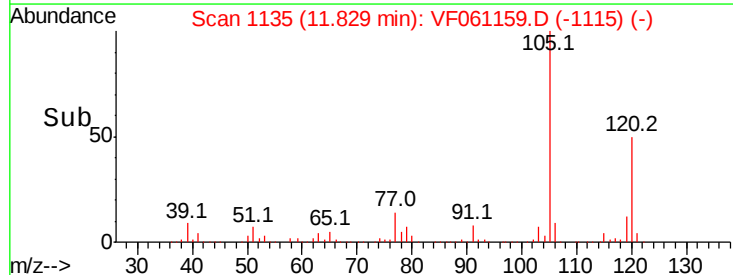
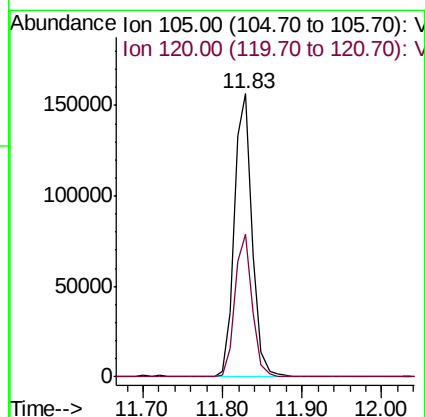
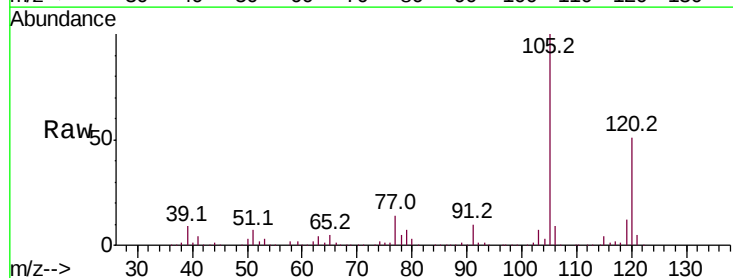
Instrument :
MSVOA_F
ClientSampled :

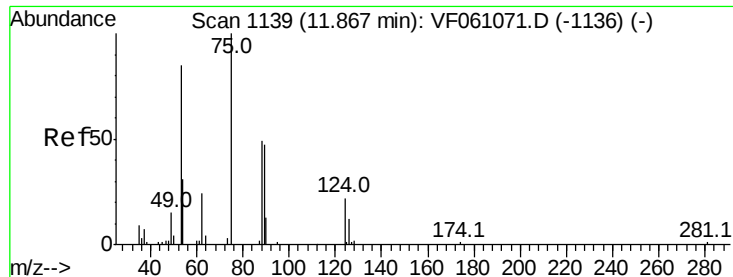
Tot Ion: 91 Resp: 213874
Ion Ratio Lower Upper
91 100
126 31.0 16.4 49.1



#80
1,3,5-Trimethylbenzene
Concen: 21.160 ug/l
RT: 11.83 min Scan# 1135
Delta R.T. 0.00 min
Lab File: VF061159.D
Acq: 24 Dec 2018 12:19

Tgt Ion: 105 Resp: 247082
Ion Ratio Lower Upper
105 100
120 50.5 25.4 76.4





#81

trans-1,4-Dichloro-2-butene

Concen: 31.294 ug/l

RT: 11.87 min Scan# 1139

Delta R.T. 0.00 min

Lab File: VF061159.D

Acq: 24 Dec 2018 12:19

Instrument :

MSVOA_F

ClientSampleId :

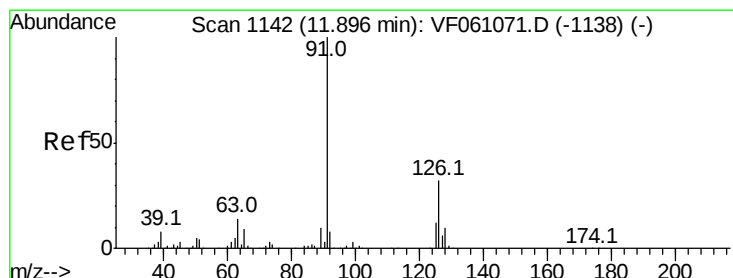
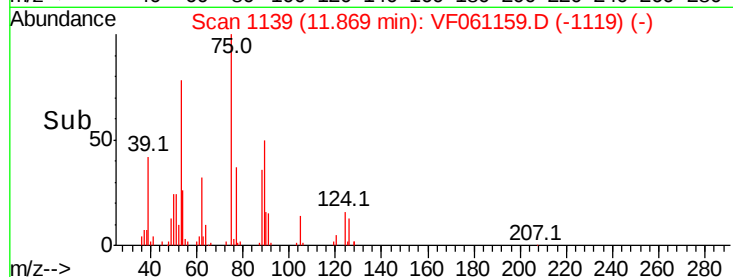
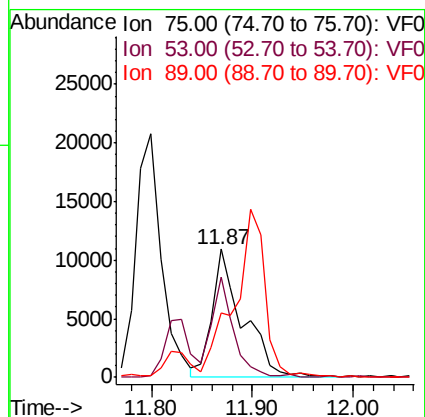
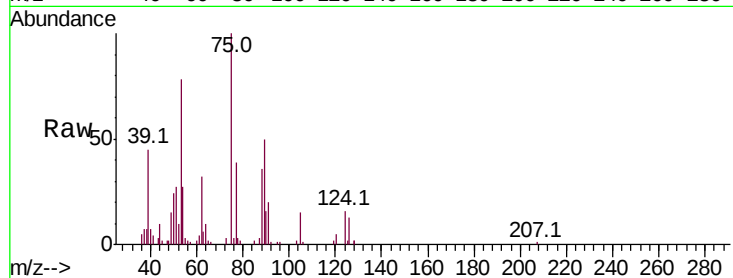
Tot Ion: 75 Resp: 23553

Ion Ratio Lower Upper

75 100

53 78.2 74.1 111.1

89 50.3 42.6 64.0



#82

4-Chlorotoluene

Concen: 21.494 ug/l

RT: 11.90 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VF061159.D

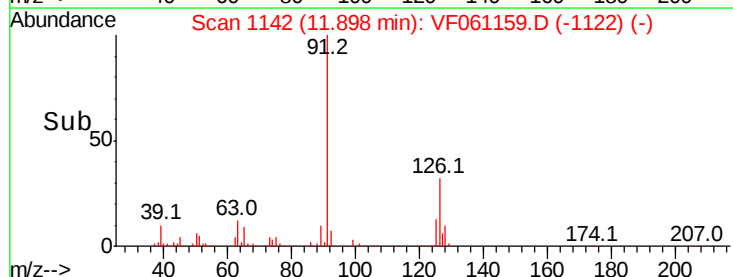
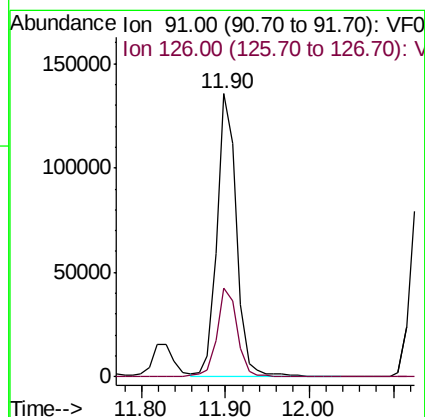
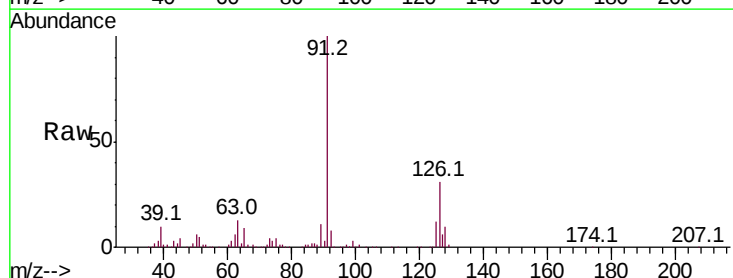
Acq: 24 Dec 2018 12:19

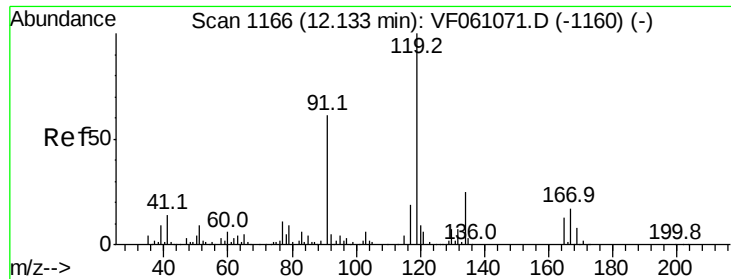
Tgt Ion: 91 Resp: 216309

Ion Ratio Lower Upper

91 100

126 31.3 16.0 47.9

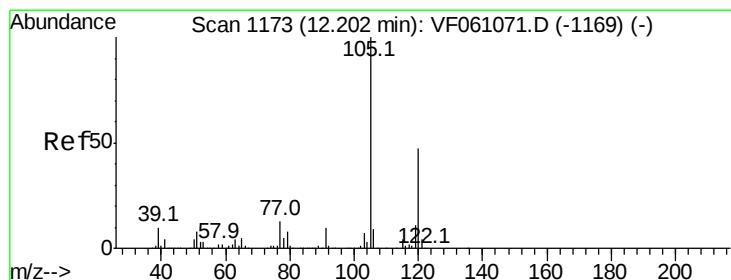
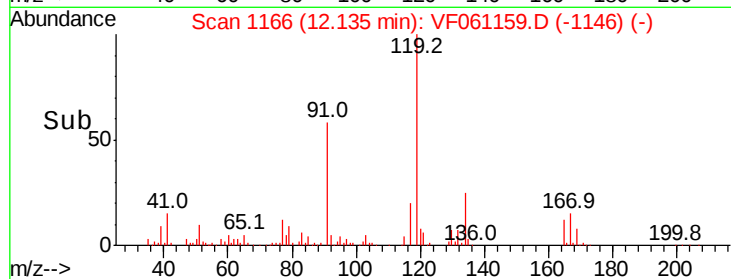
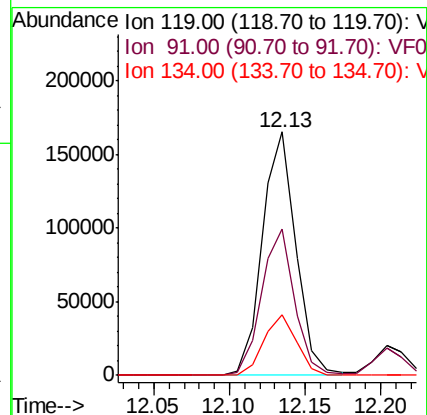
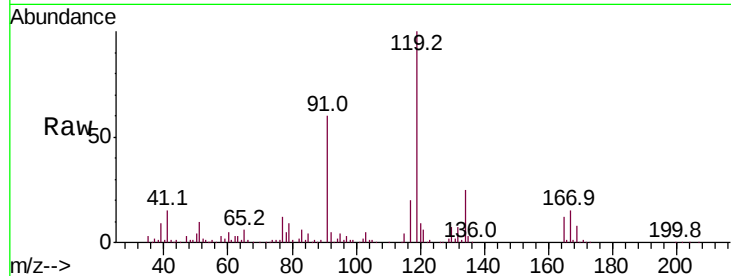




#83
tert-Butylbenzene
Concen: 21.263 ug/l
RT: 12.13 min Scan# 1166
Delta R.T. 0.00 min
Lab File: VF061159.D
Acq: 24 Dec 2018 12:19

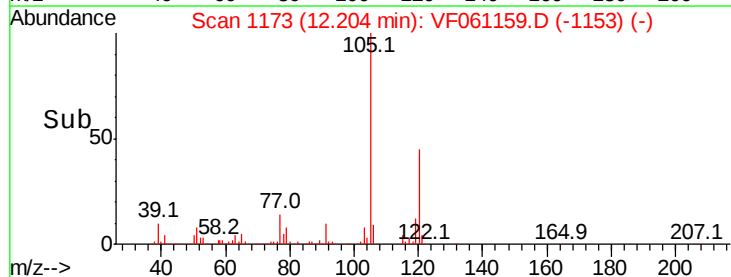
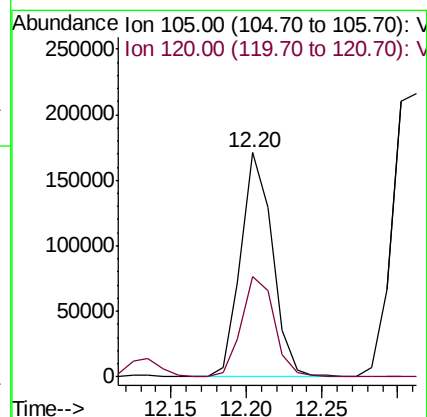
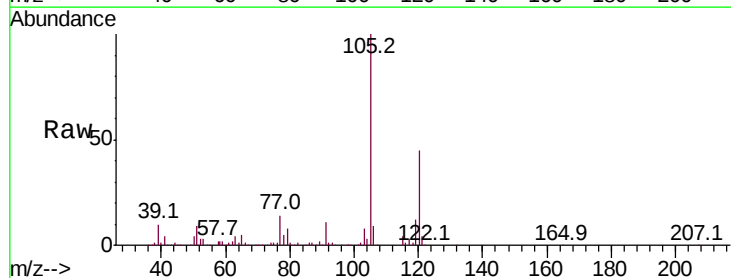
Instrument :
MSVOA_F
ClientSampleId :

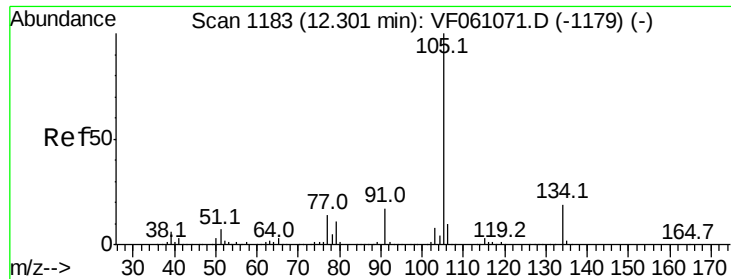
Tot Ion:119 Resp: 255493
Ion Ratio Lower Upper
119 100
91 60.3 30.5 91.5
134 24.7 12.4 37.4



#84
1,2,4-Trimethylbenzene
Concen: 21.524 ug/l
RT: 12.20 min Scan# 1173
Delta R.T. 0.00 min
Lab File: VF061159.D
Acq: 24 Dec 2018 12:19

Tgt Ion:105 Resp: 250639
Ion Ratio Lower Upper
105 100
120 45.0 23.6 71.0

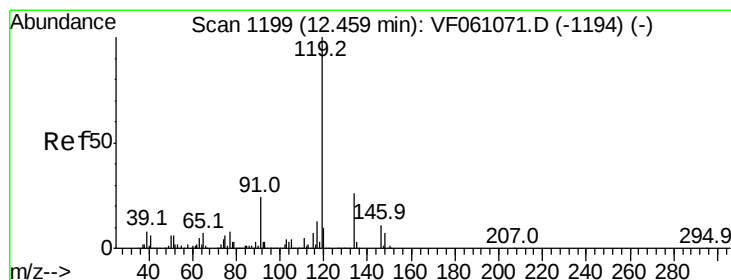
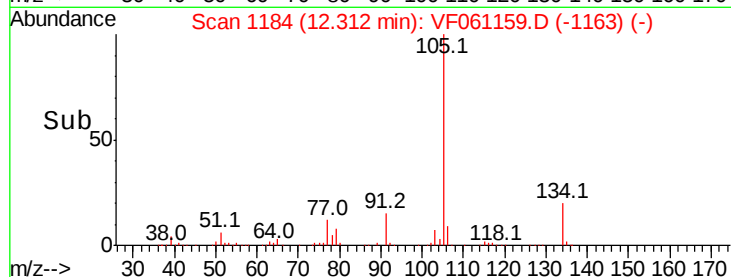
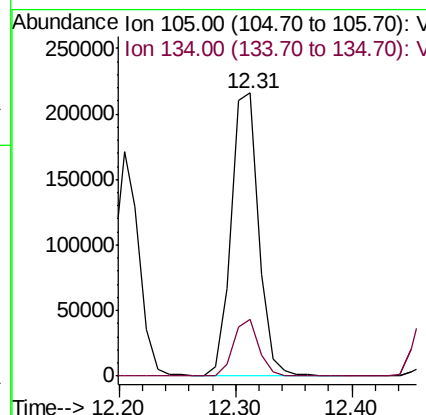
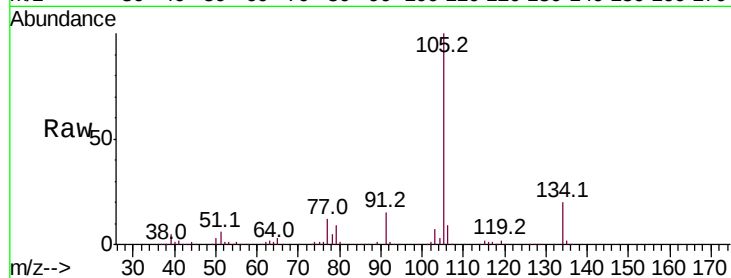




#85
 sec-Butylbenzene
 Concen: 22.502 ug/l
 RT: 12.31 min Scan# 1184
 Delta R.T. 0.01 min
 Lab File: VF061159.D
 Acq: 24 Dec 2018 12:19

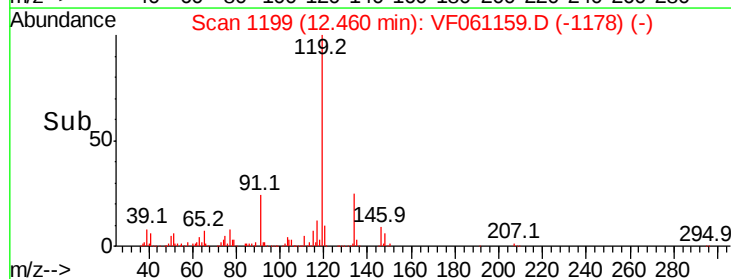
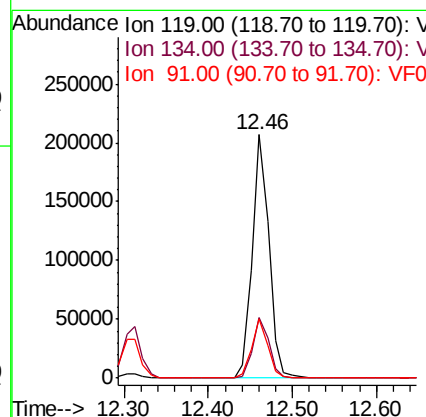
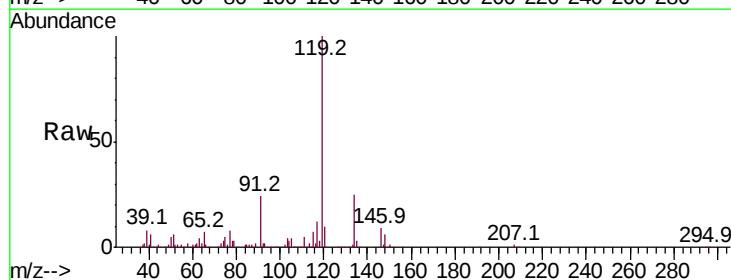
Instrument :
 MSVOA_F
 ClientSampleId :

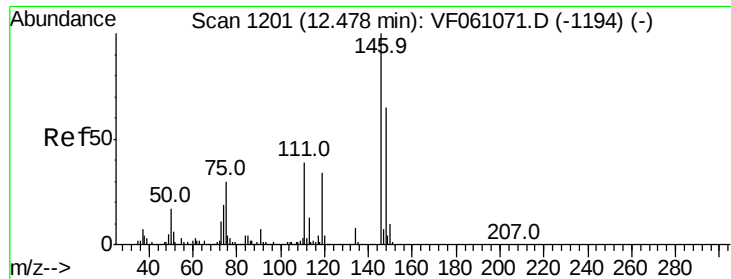
Tot Ion:105 Resp: 352849
 Ion Ratio Lower Upper
 105 100
 134 20.2 9.4 28.2



#86
 p-Isopropyltoluene
 Concen: 22.113 ug/l
 RT: 12.46 min Scan# 1199
 Delta R.T. 0.00 min
 Lab File: VF061159.D
 Acq: 24 Dec 2018 12:19

Tgt Ion:119 Resp: 287812
 Ion Ratio Lower Upper
 119 100
 134 24.9 12.8 38.4
 91 24.4 12.2 36.6

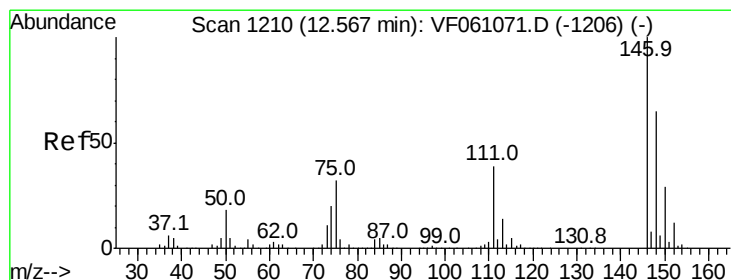
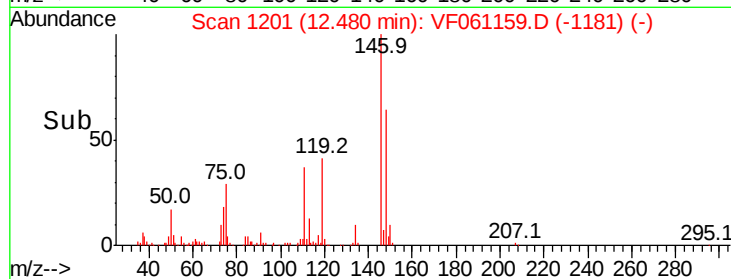
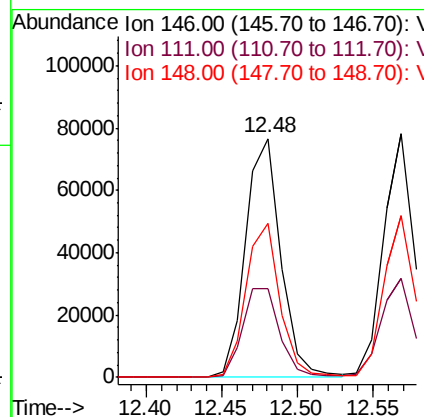
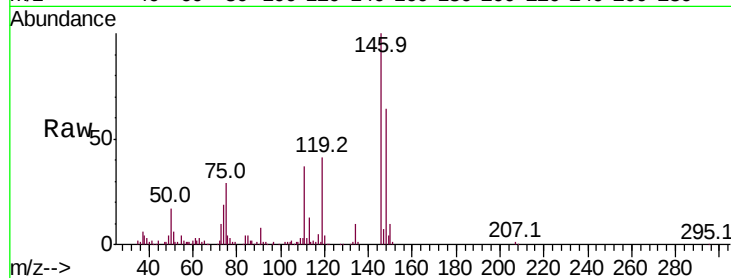




#87
 1,3-Dichlorobenzene
 Concen: 21.975 ug/l
 RT: 12.48 min Scan# 1201
 Delta R.T. 0.00 min
 Lab File: VF061159.D
 Acq: 24 Dec 2018 12:19

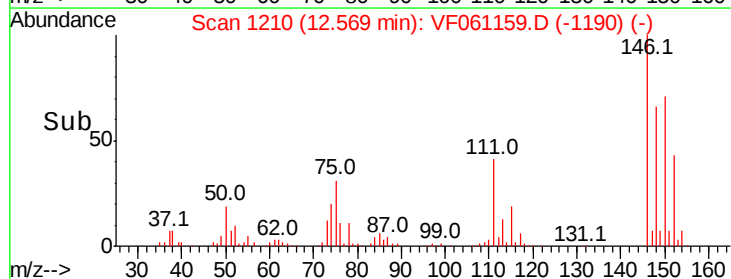
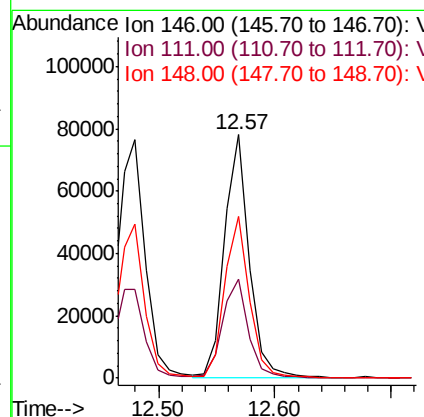
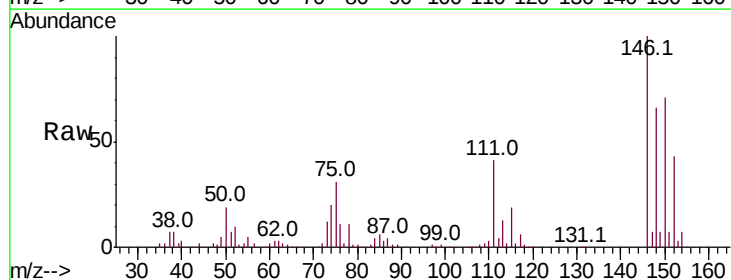
Instrument :
 MSVOA_F
 ClientSampled :

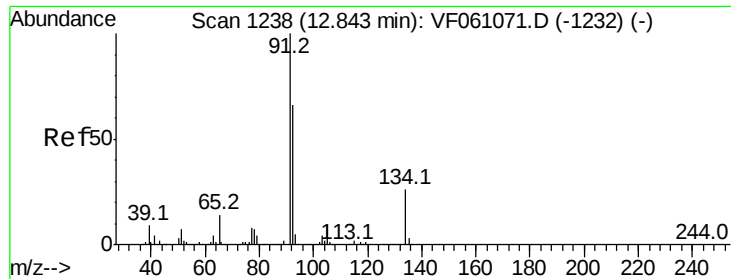
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.4	19.3	57.9
148	64.4	32.4	97.2



#88
 1,4-Dichlorobenzene
 Concen: 20.480 ug/l
 RT: 12.57 min Scan# 1210
 Delta R.T. 0.00 min
 Lab File: VF061159.D
 Acq: 24 Dec 2018 12:19

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.8	19.4	58.4
148	66.5	32.4	97.0

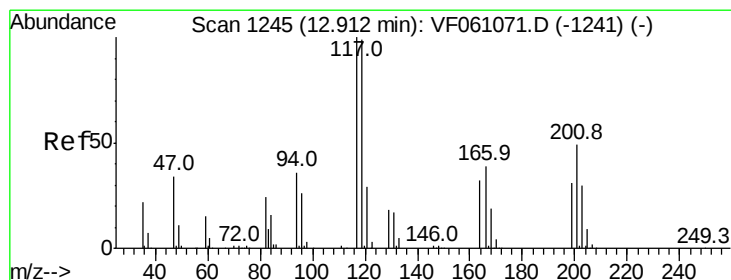
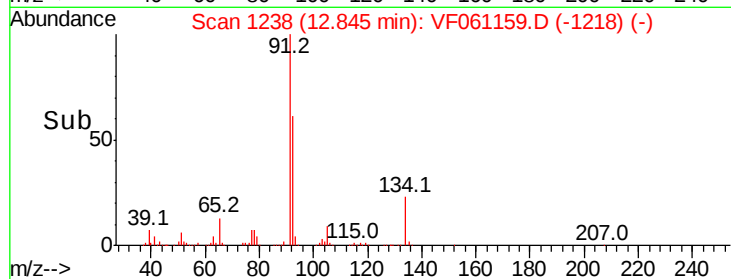
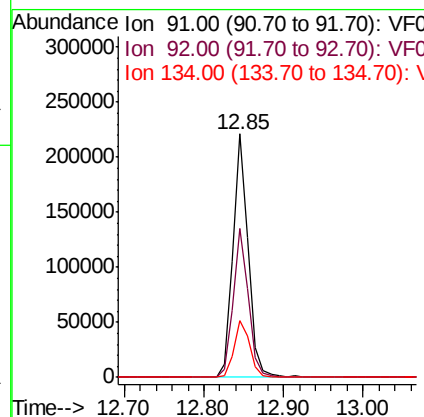
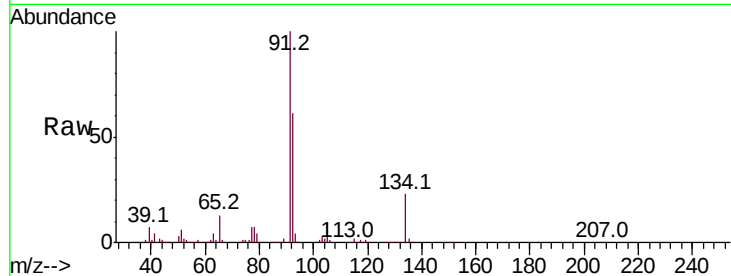




#89
n-Butylbenzene
Concen: 20.011 ug/l
RT: 12.85 min Scan# 1238
Delta R.T. 0.00 min
Lab File: VF061159.D
Acq: 24 Dec 2018 12:19

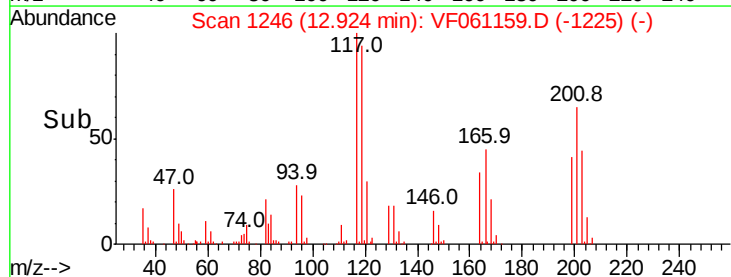
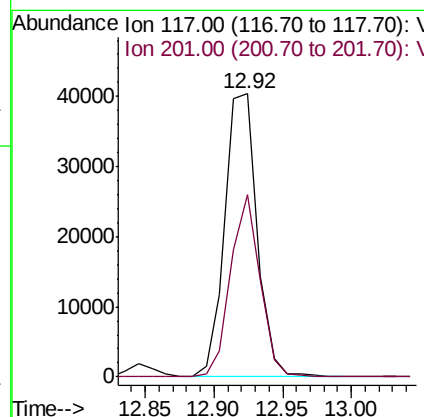
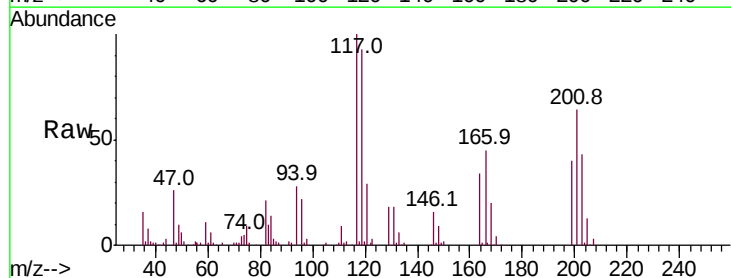
Instrument :
MSVOA_F
ClientSampled :

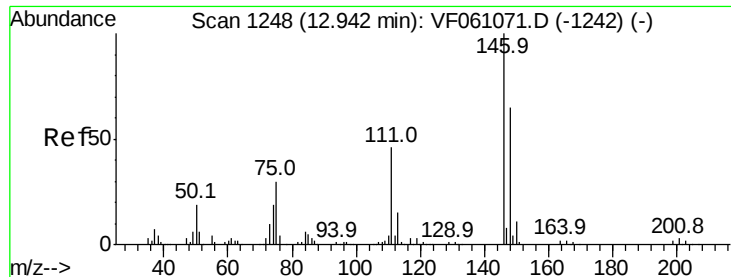
Tot Ion	91	Resp	298484
Ion	Ratio	Lower	Upper
91	100		
92	61.3	32.8	98.4
134	23.2	13.2	39.5



#90
Hexachloroethane
Concen: 20.500 ug/l
RT: 12.92 min Scan# 1246
Delta R.T. 0.01 min
Lab File: VF061159.D
Acq: 24 Dec 2018 12:19

Tgt Ion	117	Resp	65922
Ion	Ratio	Lower	Upper
117	100		
201	64.4	24.9	74.8

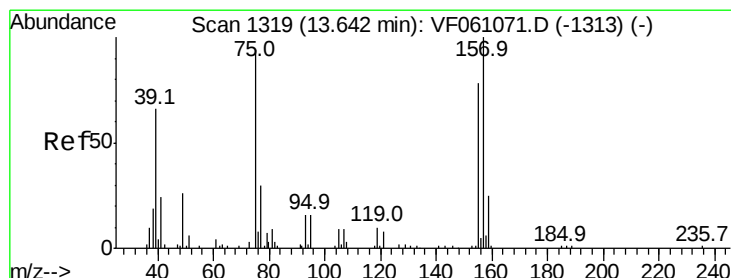
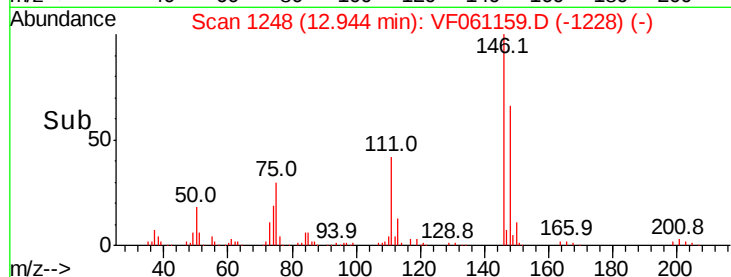
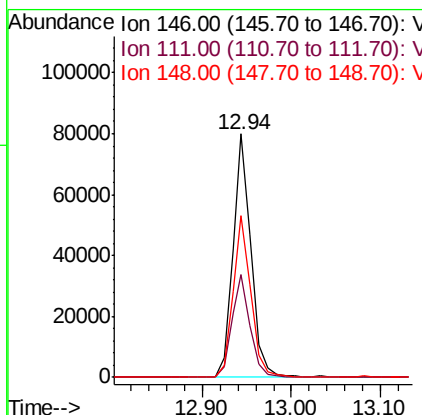
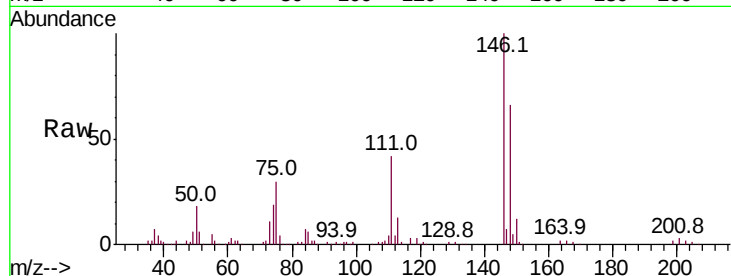




#91
 1,2-Dichlorobenzene
 Concen: 20.939 ug/l
 RT: 12.94 min Scan# 1248
 Delta R.T. 0.00 min
 Lab File: VF061159.D
 Acq: 24 Dec 2018 12:19

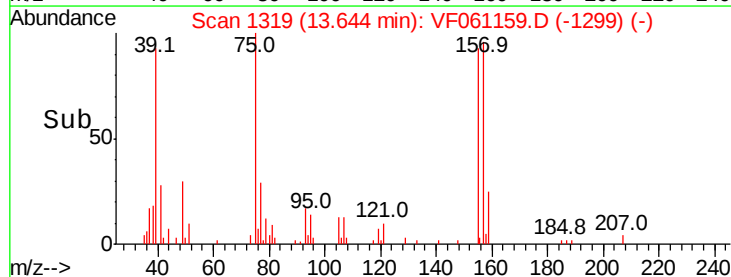
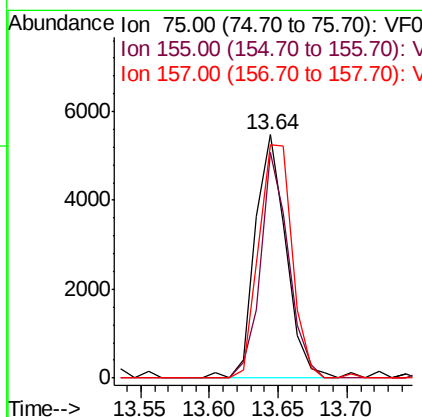
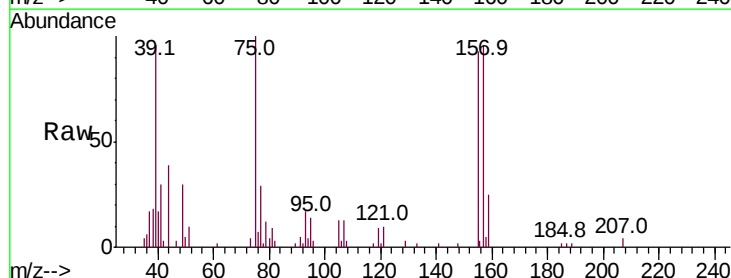
Instrument :
 MSVOA_F
 ClientSampled :

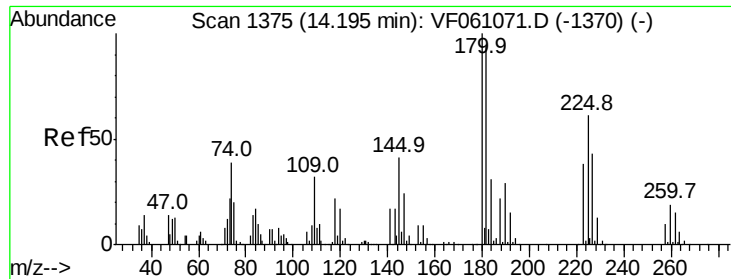
Tot Ion:146 Resp: 114274
 Ion Ratio Lower Upper
 146 100
 111 42.1 23.2 69.5
 148 66.5 32.4 97.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.843 ug/l
 RT: 13.64 min Scan# 1319
 Delta R.T. 0.00 min
 Lab File: VF061159.D
 Acq: 24 Dec 2018 12:19

Tgt Ion: 75 Resp: 8570
 Ion Ratio Lower Upper
 75 100
 155 92.7 41.5 124.5
 157 95.8 53.2 159.6

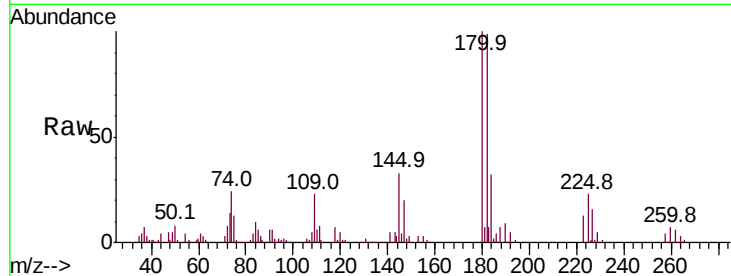




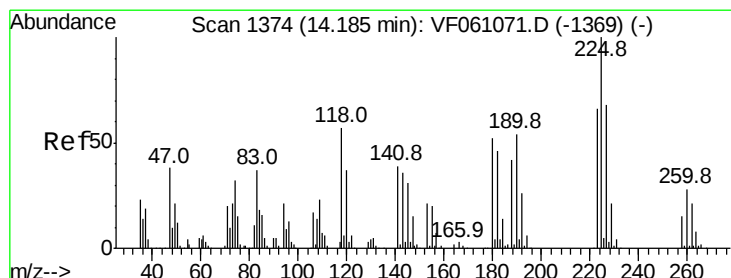
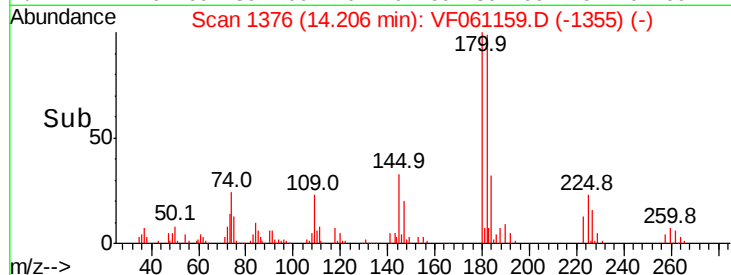
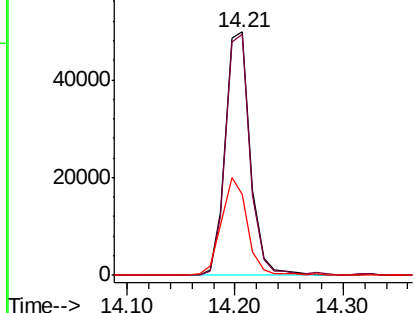
#93
 1,2,4-Trichlorobenzene
 Concen: 20.943 ug/l
 RT: 14.21 min Scan# 1376
 Delta R.T. 0.01 min
 Lab File: VF061159.D
 Acq: 24 Dec 2018 12:19

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion:180 Resp: 81057
 Ion Ratio Lower Upper
 180 100
 182 99.1 46.9 140.6
 145 33.5 20.5 61.6

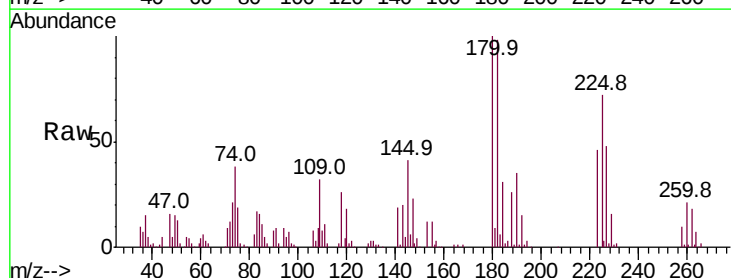


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

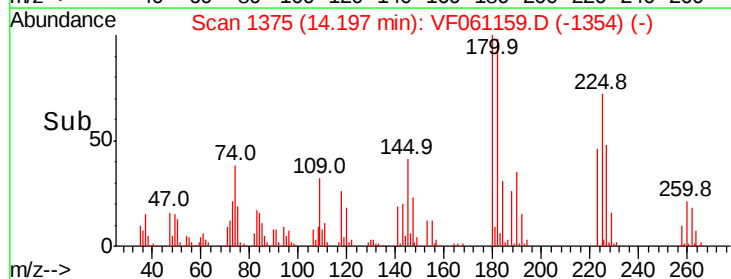
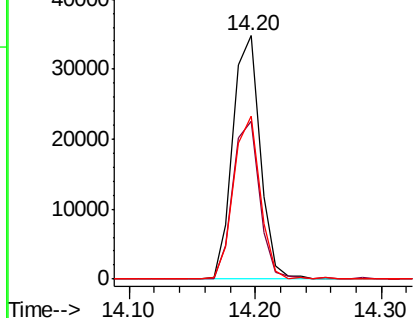


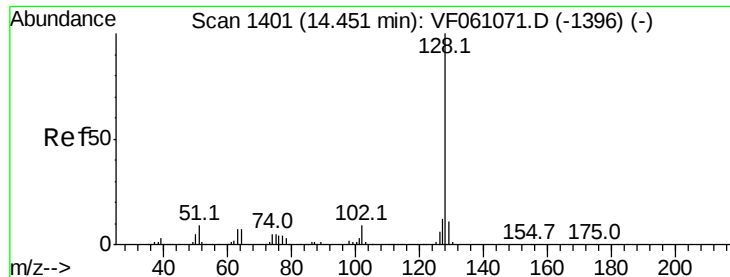
#94
 Hexachlorobutadiene
 Concen: 21.202 ug/l
 RT: 14.20 min Scan# 1375
 Delta R.T. 0.01 min
 Lab File: VF061159.D
 Acq: 24 Dec 2018 12:19

Tgt Ion:225 Resp: 52264
 Ion Ratio Lower Upper
 225 100
 223 64.7 32.8 98.3
 227 66.9 34.0 101.8



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

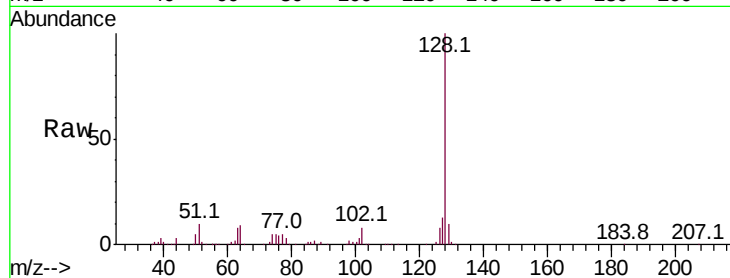




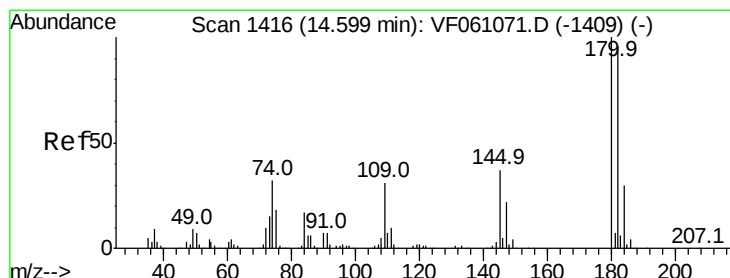
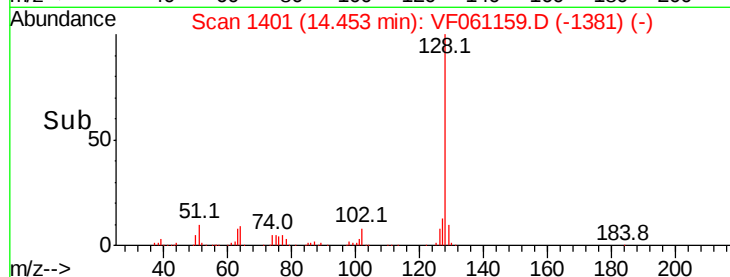
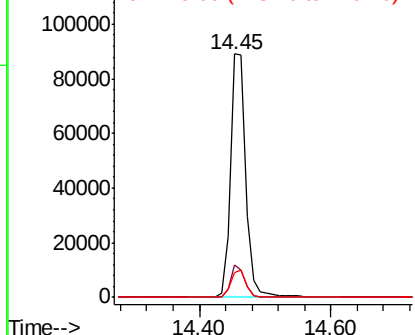
#95
Naphthalene
Concen: 20.644 ug/l
RT: 14.45 min Scan# 1401
Delta R.T. 0.00 min
Lab File: VF061159.D
Acq: 24 Dec 2018 12:19

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:128 Resp: 145901
Ion Ratio Lower Upper
128 100
127 13.4 9.4 14.2
129 10.4 8.8 13.2

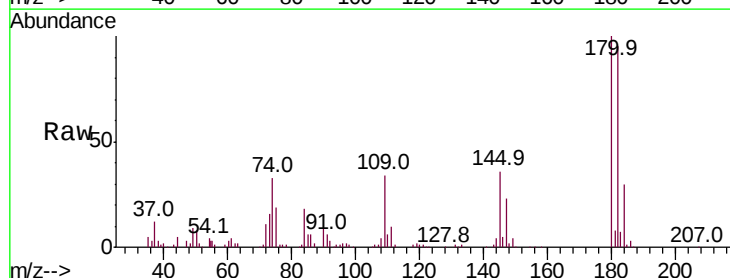


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 20.307 ug/l
RT: 14.60 min Scan# 1416
Delta R.T. 0.00 min
Lab File: VF061159.D
Acq: 24 Dec 2018 12:19

Tgt Ion:180 Resp: 72657
Ion Ratio Lower Upper
180 100
182 94.6 47.9 143.8
145 36.3 18.6 55.8



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

