

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF012519\
 Data File : VF061518.D
 Acq On : 25 Jan 2019 13:51
 Operator : VA/AP
 Sample : VF01251SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jan 28 00:07:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 04:51:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	191269	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.60	114	347663	50.00	ug/l	0.01
63) Chlorobenzene-d5	9.78	117	314377	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.55	152	159059	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.84	65	114362	48.43	ug/l	0.01
Spiked Amount						
			Recovery	=	96.86%	
35) Dibromofluoromethane	4.11	113	130852	47.70	ug/l	0.01
Spiked Amount						
			Recovery	=	95.40%	
50) Toluene-d8	7.56	98	352833	46.94	ug/l	0.01
Spiked Amount						
			Recovery	=	93.88%	
62) 4-Bromofluorobenzene	11.41	95	155229	44.20	ug/l	0.01
Spiked Amount						
			Recovery	=	88.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.97	85	65056	17.311	ug/l	88
3) Chloromethane	1.11	50	52072	18.897	ug/l	98
4) Vinyl Chloride	1.15	62	48043	19.599	ug/l	95
5) Bromomethane	1.32	94	30134	18.852	ug/l #	73
6) Chloroethane	1.40	64	21292	19.603	ug/l	96
7) Trichlorofluoromethane	1.48	101	80239	16.838	ug/l	87
8) Diethyl Ether	1.63	74	12771	20.915	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	1.84	101	40208	17.560	ug/l	92
10) Methyl Iodide	1.91	142	53222	14.993	ug/l	97
11) Tert butyl alcohol	2.58	59	11185	111.899	ug/l	99
12) 1,1-Dichloroethene	1.80	96	33061	19.435	ug/l	96
13) Acrolein	1.99	56	6935	87.555	ug/l	84
14) Allyl chloride	2.09	41	51858	26.460	ug/l	91
15) Acrylonitrile	2.94	53	27380	106.937	ug/l	94
16) Acetone	2.24	43	60858	128.464	ug/l	98
17) Carbon Disulfide	1.83	76	73266	13.813	ug/l #	91
18) Methyl Acetate	2.35	43	18878	20.094	ug/l	98
19) Methyl tert-butyl Ether	2.43	73	72401	18.986	ug/l	99
20) Methylene Chloride	2.18	84	13127	6.639	ug/l	96
21) trans-1,2-Dichloroethene	2.31	96	31033	16.580	ug/l #	75
22) Diisopropyl ether	2.80	45	125196	20.681	ug/l	99
23) Vinyl Acetate	3.19	43	293668	112.072	ug/l	98
24) 1,1-Dichloroethane	2.87	63	74551	19.621	ug/l	97
25) 2-Butanone	4.33	43	94176	119.542	ug/l	98
26) 2,2-Dichloropropane	3.60	77	41556	17.802	ug/l	98
27) cis-1,2-Dichloroethene	3.48	96	53680	19.429	ug/l	96
28) Bromochloromethane	3.72	49	37857	22.166	ug/l #	95
29) Tetrahydrofuran	4.08	42	35454	104.515	ug/l	98
30) Chloroform	3.87	83	102203	19.932	ug/l	96
31) Cyclohexane	3.69	56	42891	11.301	ug/l	92
32) 1,1,1-Trichloroethane	4.09	97	62481	16.618	ug/l	94
36) 1,1-Dichloropropene	4.28	75	75551	18.743	ug/l	95
37) Ethyl Acetate	4.11	43	34662	21.512	ug/l #	78
38) Carbon Tetrachloride	4.00	117	60878	17.275	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF012519\
 Data File : VF061518.D
 Acq On : 25 Jan 2019 13:51
 Operator : VA/AP
 Sample : VF01251SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jan 28 00:07:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 04:51:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	77655	17.776	ug/l	95
40) Benzene	4.64	78	178761	19.930	ug/l	100
41) Methacrylonitrile	4.76	41	17385	20.277	ug/l #	82
42) 1,2-Dichloroethane	4.94	62	58557	18.320	ug/l	95
43) Isopropyl Acetate	6.97	43	38915	19.243	ug/l #	90
44) Trichloroethene	5.51	130	56817	20.649	ug/l	97
45) 1,2-Dichloropropane	6.24	63	48243	20.493	ug/l	100
46) Dibromomethane	6.09	93	27997	17.886	ug/l	90
47) Bromodichloromethane	6.39	83	75933	19.606	ug/l	98
48) Methyl methacrylate	6.73	41	24854	18.302	ug/l	91
49) 1,4-Dioxane	6.71	88	3805	356.753	ug/l #	85
51) 4-Methyl-2-Pentanone	8.26	43	158129	106.361	ug/l	99
52) Toluene	7.63	92	104341	17.665	ug/l	99
53) t-1,3-Dichloropropene	8.28	75	58768	19.109	ug/l	92
54) cis-1,3-Dichloropropene	7.30	75	79998	20.811	ug/l	95
55) 1,1,2-Trichloroethane	8.49	97	33495	19.969	ug/l	96
56) Ethyl methacrylate	8.62	69	35803	18.346	ug/l	95
57) 1,3-Dichloropropane	8.86	76	57769	18.374	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.30	63	34271	176.555	ug/l	98
59) 2-Hexanone	9.49	43	123920	119.531	ug/l	96
60) Dibromochloromethane	8.72	129	45009	18.354	ug/l	97
61) 1,2-Dibromoethane	8.99	107	36565	19.042	ug/l	91
64) Tetrachloroethene	8.16	164	44209	18.700	ug/l	97
65) Chlorobenzene	9.80	112	123986	19.394	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.93	131	50782	19.940	ug/l	98
67) Ethyl Benzene	9.90	91	231203	19.794	ug/l	97
68) m/p-Xylenes	10.13	106	168173	40.031	ug/l	98
69) o-Xylene	10.71	106	88183	19.367	ug/l	94
70) Styrene	10.79	104	124401	19.960	ug/l	98
71) Bromoform	10.77	173	23061	20.153	ug/l	98
73) Isopropylbenzene	11.13	105	265627	20.533	ug/l	99
74) N-amyl acetate	11.37	43	75089	24.547	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.70	83	47529	20.623	ug/l	98
76) 1,2,3-Trichloropropane	11.80	75	35185	21.247	ug/l	99
77) Bromobenzene	11.49	156	53362	19.532	ug/l	85
78) n-propylbenzene	11.59	91	317170	18.775	ug/l	96
79) 2-Chlorotoluene	11.72	91	172198	19.185	ug/l	93
80) 1,3,5-Trimethylbenzene	11.83	105	216254	20.714	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.87	75	20100	27.922	ug/l #	83
82) 4-Chlorotoluene	11.90	91	181588	20.048	ug/l	94
83) tert-Butylbenzene	12.13	119	226640	20.974	ug/l	95
84) 1,2,4-Trimethylbenzene	12.20	105	221914	20.636	ug/l	91
85) sec-Butylbenzene	12.30	105	306222	20.868	ug/l	95
86) p-Isopropyltoluene	12.46	119	253610	21.053	ug/l	97
87) 1,3-Dichlorobenzene	12.48	146	109452	19.047	ug/l	96
88) 1,4-Dichlorobenzene	12.57	146	101331	19.627	ug/l	98
89) n-Butylbenzene	12.84	91	258520	20.809	ug/l	96
90) Hexachloroethane	12.91	117	57646	20.301	ug/l	85
91) 1,2-Dichlorobenzene	12.94	146	96976	18.974	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.64	75	8204	20.070	ug/l	80

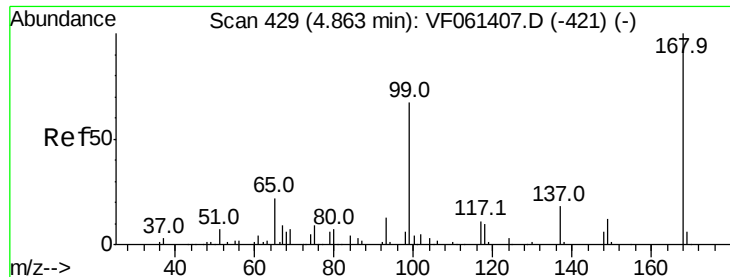
Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF012519\
Data File : VF061518.D
Acq On : 25 Jan 2019 13:51
Operator : VA/AP
Sample : VF01251SBS01
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :

Quant Time: Jan 28 00:07:54 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
Quant Title : SW846 8260
QLast Update : Wed Jan 16 04:51:59 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	69275	19.349	ug/l	93
94) Hexachlorobutadiene	14.19	225	39779	17.905	ug/l	97
95) Naphthalene	14.45	128	125935	18.514	ug/l	97
96) 1,2,3-Trichlorobenzene	14.60	180	61334	18.506	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. 0.01 min

Lab File: VF061518.D

Acq: 25 Jan 2019 13:51

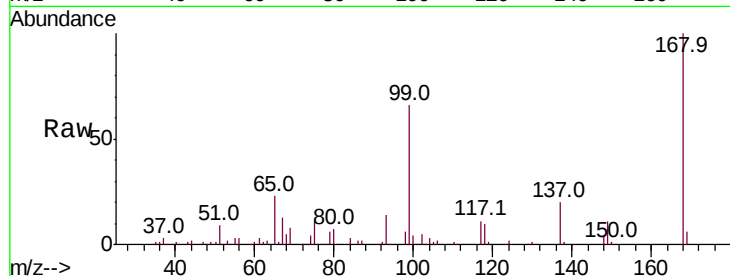
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 191269

Ion Ratio Lower Upper

168 100

99 66.0 53.5 80.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.87

60000

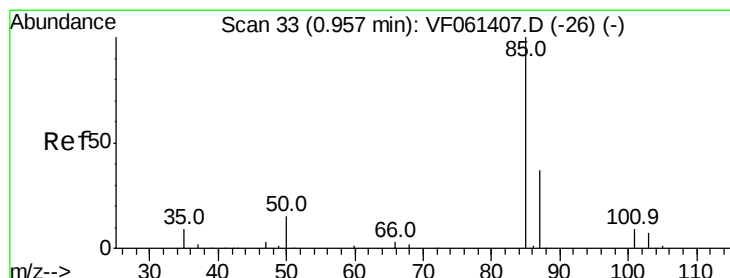
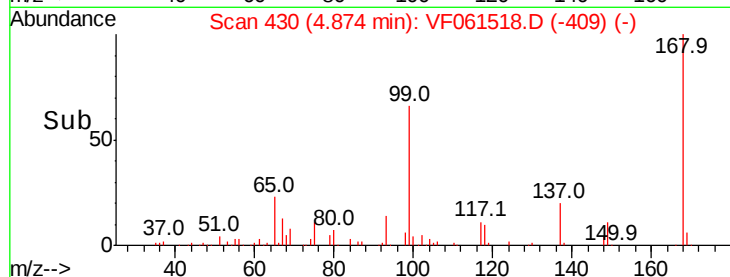
40000

20000

0

Time-->

4.70 4.80 4.90 5.00 5.10



#2

Dichlorodifluoromethane

Concen: 17.311 ug/l

RT: 0.97 min Scan# 34

Delta R.T. 0.01 min

Lab File: VF061518.D

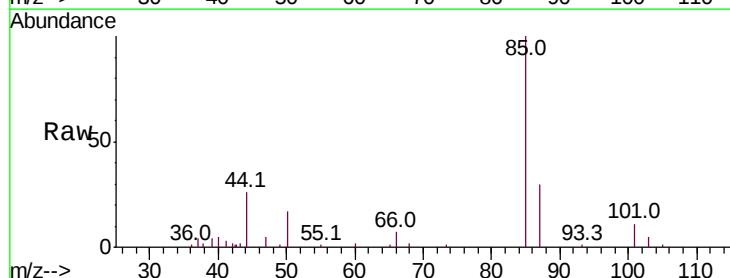
Acq: 25 Jan 2019 13:51

Tgt Ion: 85 Resp: 65056

Ion Ratio Lower Upper

85 100

87 29.8 18.4 55.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.97

15000

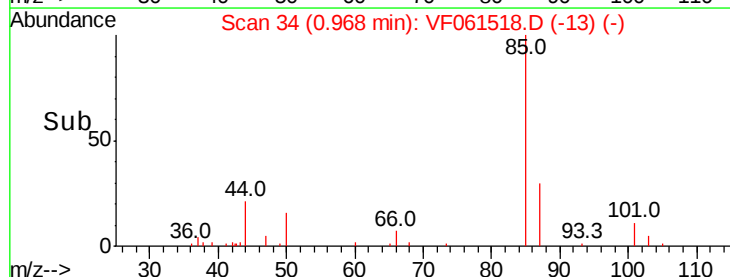
10000

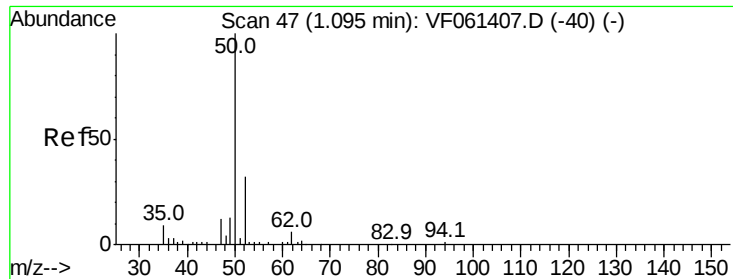
5000

0

Time-->

0.90 1.00 1.10





#3

Chloromethane

Concen: 18.897 ug/l

RT: 1.11 min Scan# 48

Delta R.T. 0.01 min

Lab File: VF061518.D

Acq: 25 Jan 2019 13:51

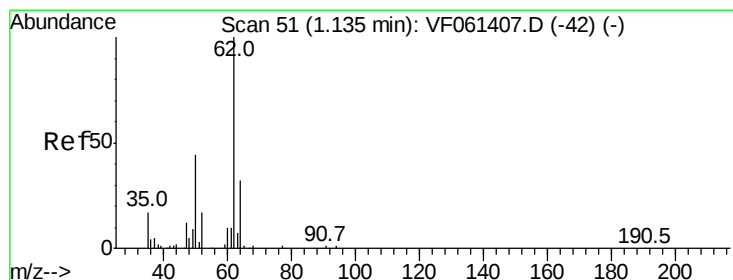
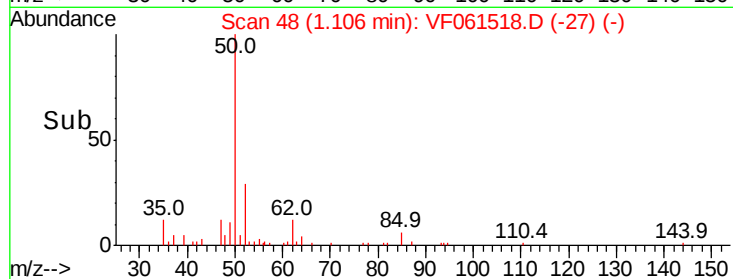
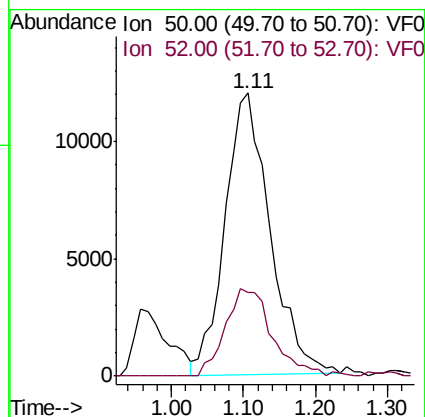
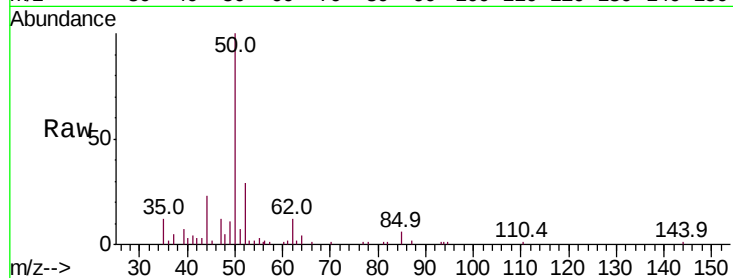
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 50 Resp: 52072

Ion Ratio Lower Upper

50 100

52 29.5 24.6 36.8



#4

Vinyl Chloride

Concen: 19.599 ug/l

RT: 1.15 min Scan# 52

Delta R.T. 0.01 min

Lab File: VF061518.D

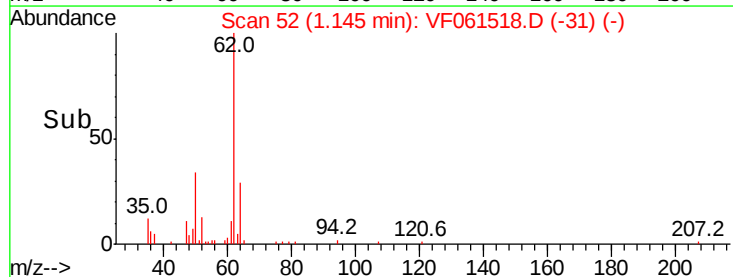
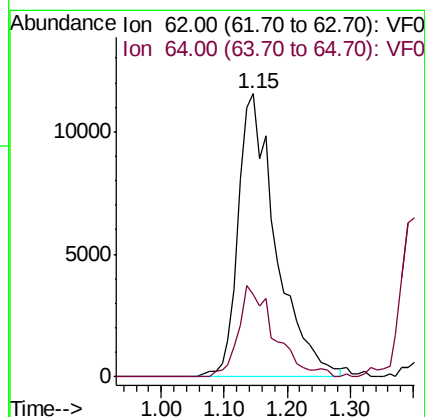
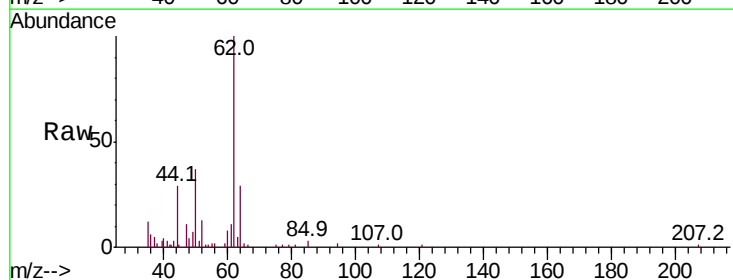
Acq: 25 Jan 2019 13:51

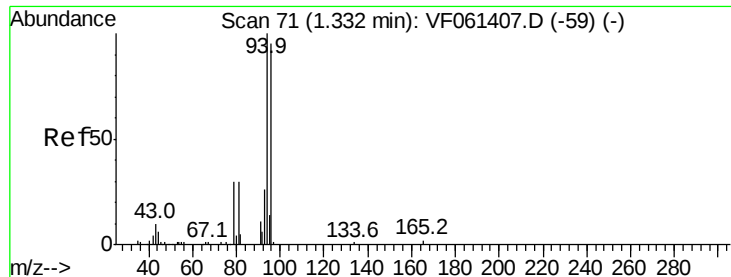
Tgt Ion: 62 Resp: 48043

Ion Ratio Lower Upper

62 100

64 29.3 25.6 38.4





#5

Bromomethane

Concen: 18.852 ug/l

RT: 1.32 min Scan# 70

Delta R.T. -0.01 min

Lab File: VF061518.D

Acq: 25 Jan 2019 13:51

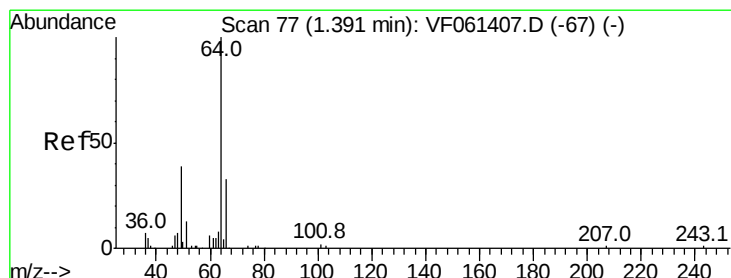
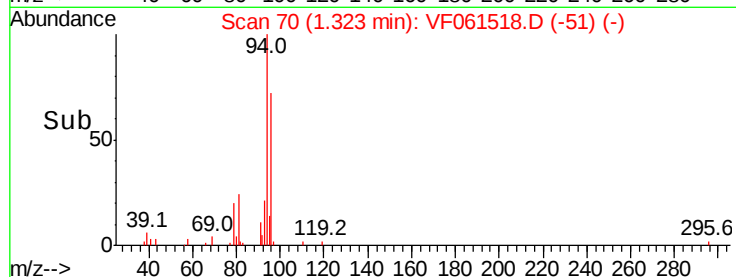
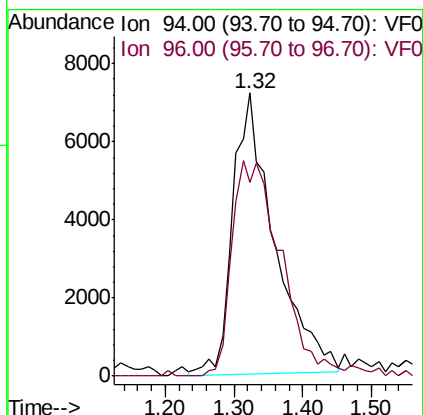
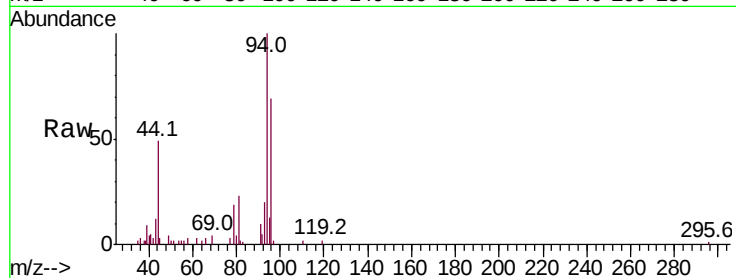
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 94 Resp: 30134

Ion Ratio Lower Upper

94 100

96 68.6 76.0 114.0#



#6

Chloroethane

Concen: 19.603 ug/l

RT: 1.40 min Scan# 78

Delta R.T. 0.01 min

Lab File: VF061518.D

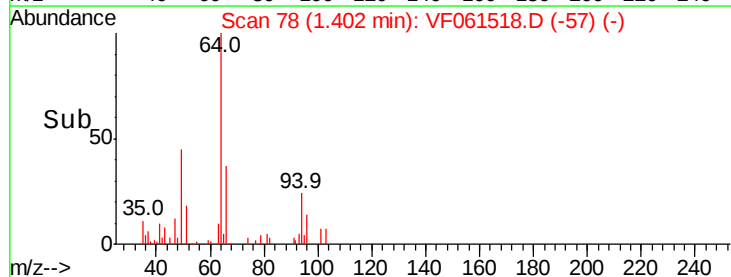
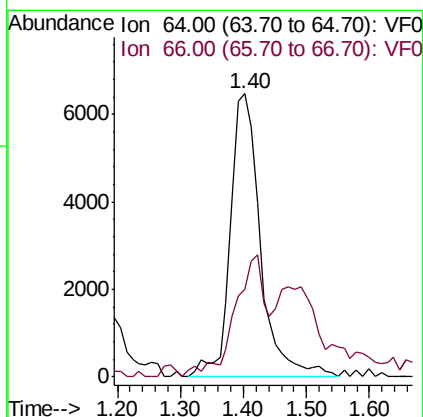
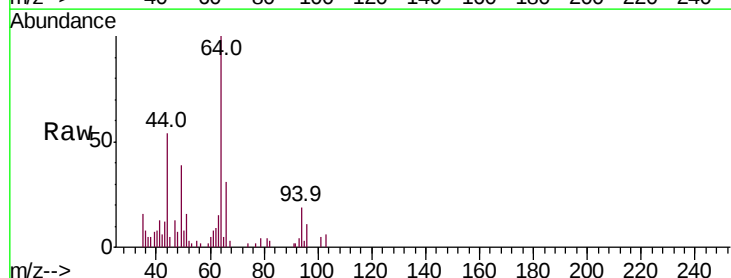
Acq: 25 Jan 2019 13:51

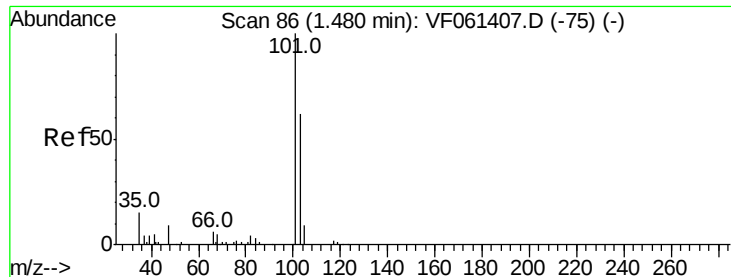
Tgt Ion: 64 Resp: 21292

Ion Ratio Lower Upper

64 100

66 31.1 26.6 40.0



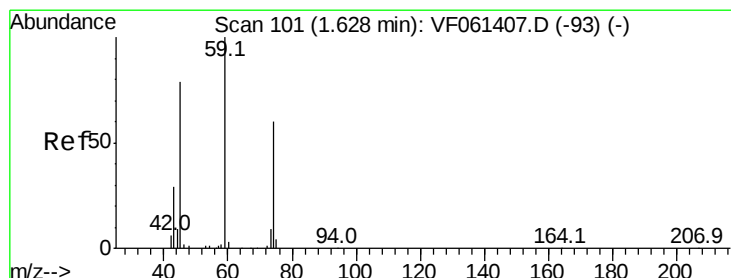
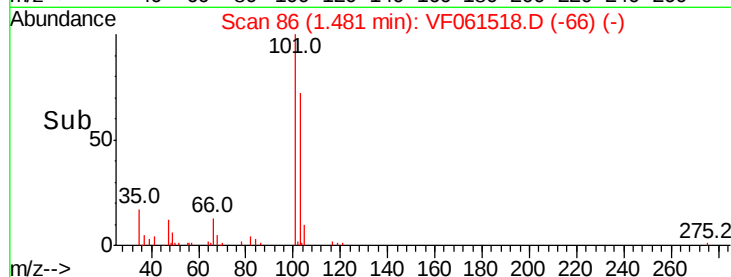
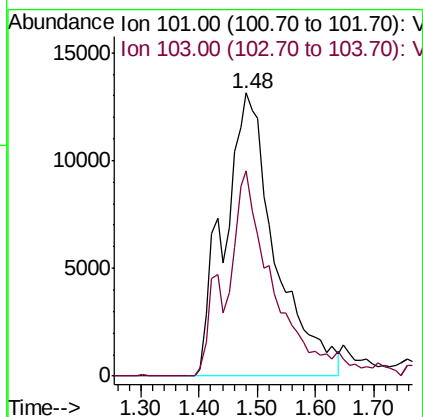
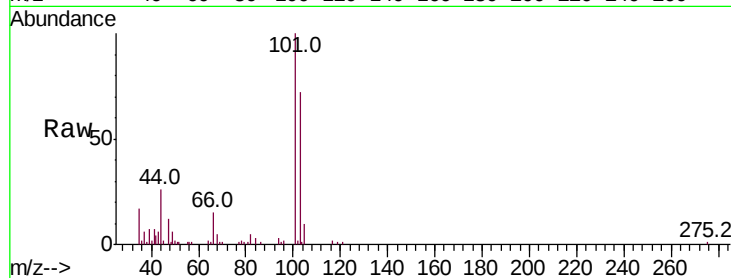


#7

Trichlorofluoromethane
 Concen: 16.838 ug/l
 RT: 1.48 min Scan# 86
 Delta R.T. 0.00 min
 Lab File: VF061518.D
 Acq: 25 Jan 2019 13:51

Instrument :
 MSVOA_F
 ClientSampleId :

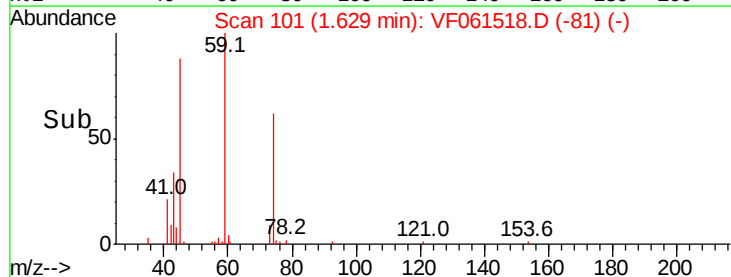
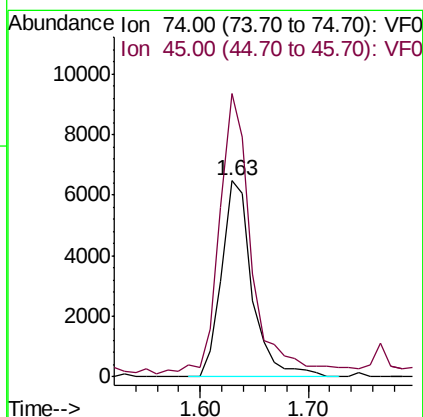
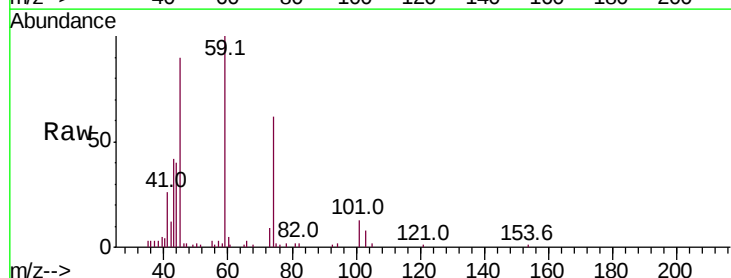
Tot Ion:101 Resp: 80239
 Ion Ratio Lower Upper
 101 100
 103 72.5 49.7 74.5

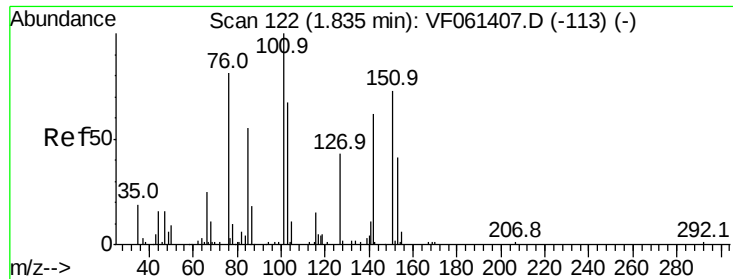


#8

Diethyl Ether
 Concen: 20.915 ug/l
 RT: 1.63 min Scan# 101
 Delta R.T. 0.00 min
 Lab File: VF061518.D
 Acq: 25 Jan 2019 13:51

Tgt Ion: 74 Resp: 12771
 Ion Ratio Lower Upper
 74 100
 45 144.6 65.8 197.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.560 ug/l

RT: 1.84 min Scan# 122

Delta R.T. 0.00 min

Lab File: VF061518.D

Acq: 25 Jan 2019 13:51

Instrument :

MSVOA_F

ClientSampleId :

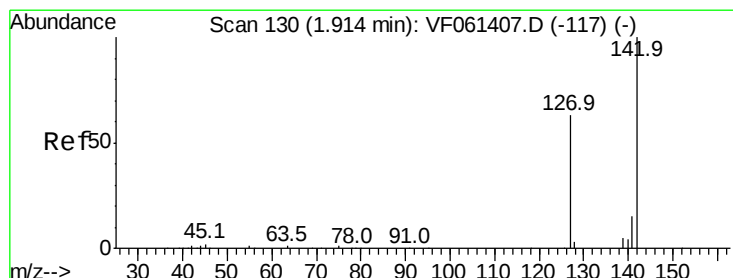
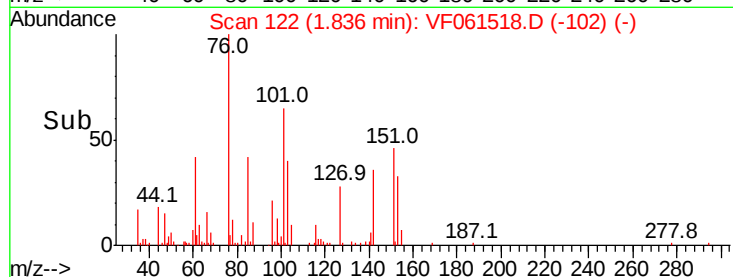
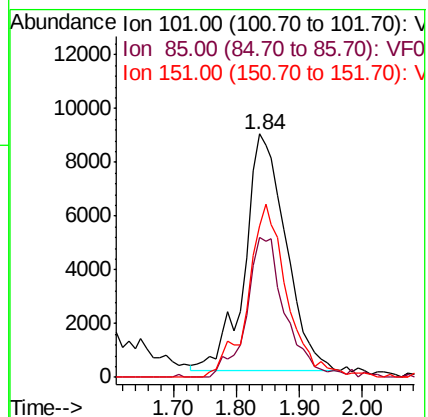
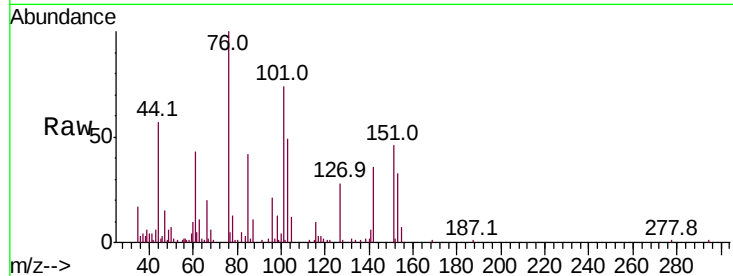
Tot Ion:101 Resp: 40208

Ion Ratio Lower Upper

101 100

85 57.5 41.9 62.9

151 62.2 55.1 82.7



#10

Methyl Iodide

Concen: 14.993 ug/l

RT: 1.91 min Scan# 130

Delta R.T. 0.00 min

Lab File: VF061518.D

Acq: 25 Jan 2019 13:51

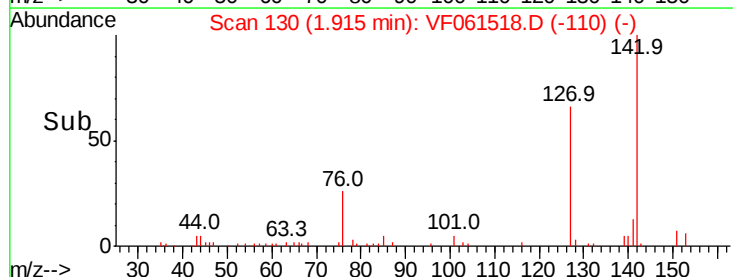
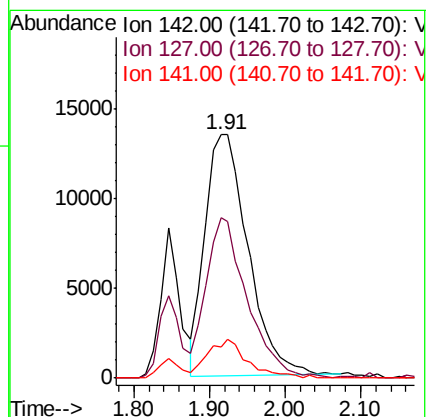
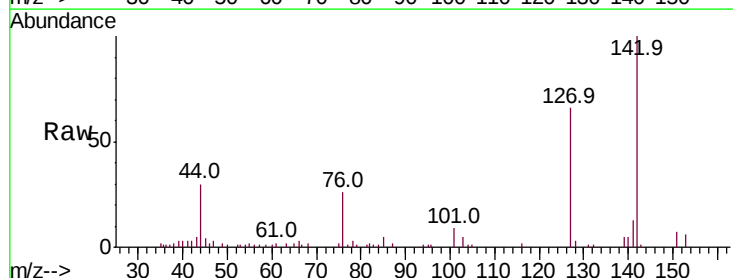
Tgt Ion:142 Resp: 53222

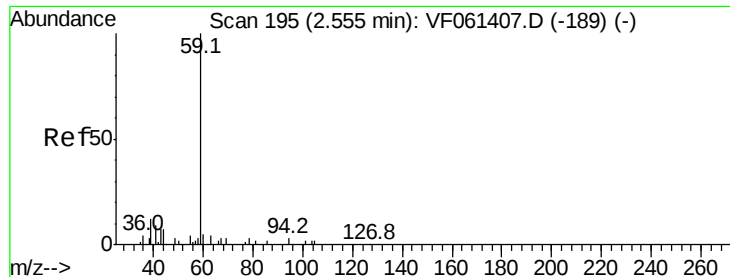
Ion Ratio Lower Upper

142 100

127 65.7 50.7 76.1

141 12.7 11.8 17.6



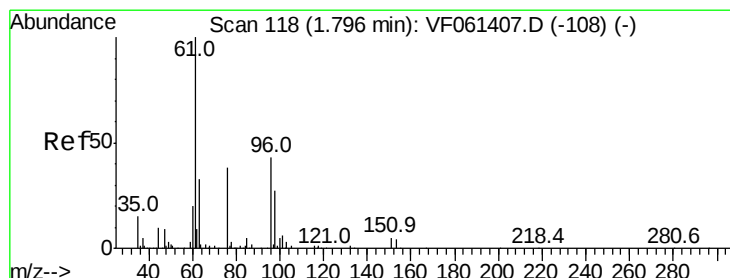
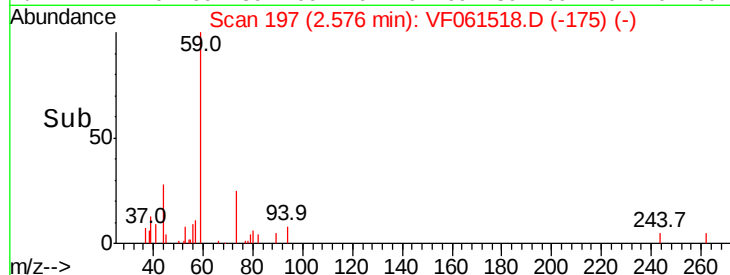
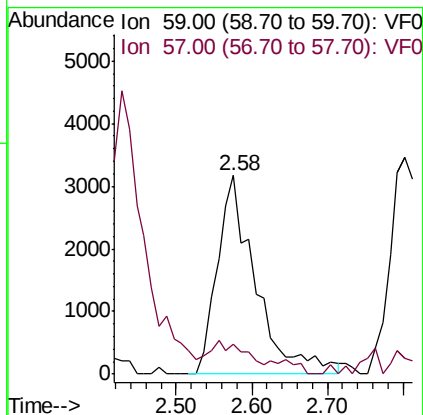
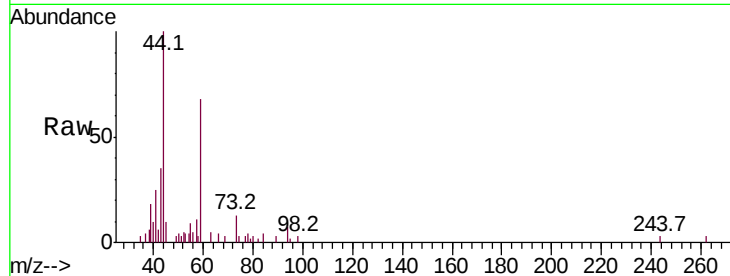


#11

Tert butyl alcohol
Concen: 111.899 ug/l
RT: 2.58 min Scan# 197
Delta R.T. 0.02 min
Lab File: VF061518.D
Acq: 25 Jan 2019 13:51

Instrument :
MSVOA_F
ClientSampleId :

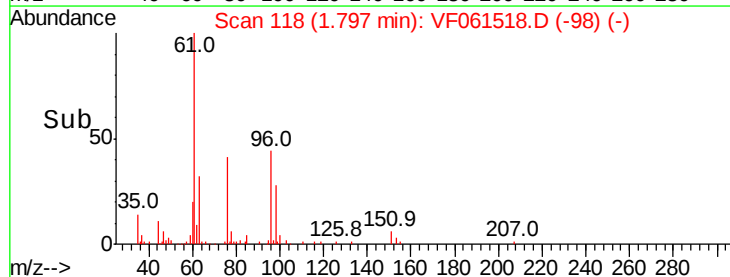
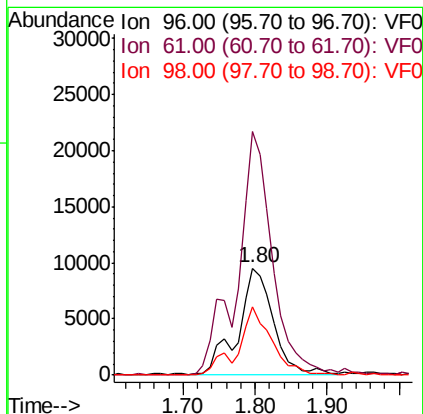
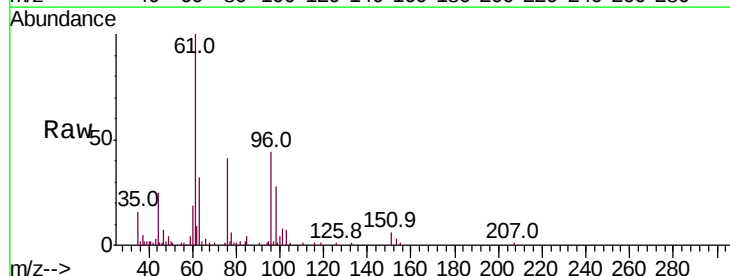
Tot Ion: 59 Resp: 11185
Ion Ratio Lower Upper
59 100
57 15.4 11.9 17.9

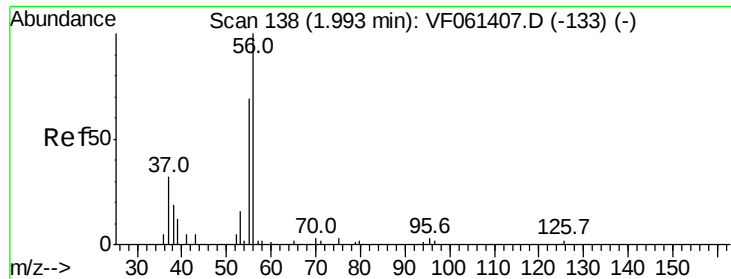


#12

1,1-Dichloroethene
Concen: 19.435 ug/l
RT: 1.80 min Scan# 118
Delta R.T. 0.00 min
Lab File: VF061518.D
Acq: 25 Jan 2019 13:51

Tgt Ion: 96 Resp: 33061
Ion Ratio Lower Upper
96 100
61 227.3 186.9 280.3
98 64.0 53.0 79.4

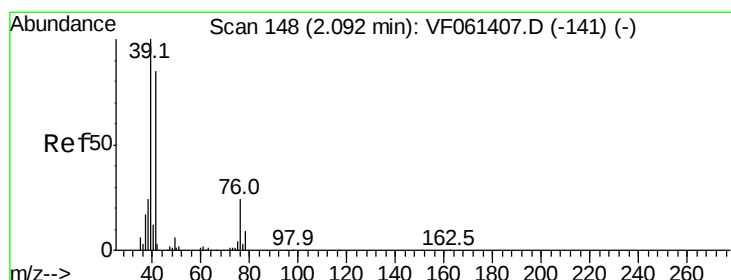
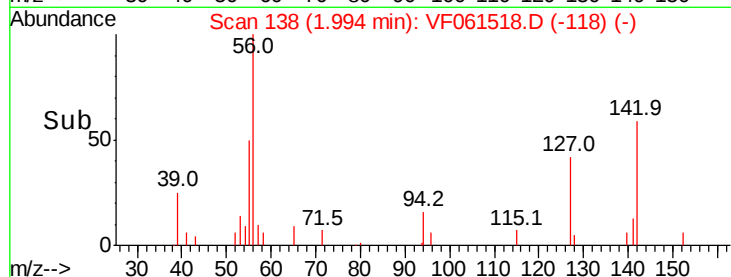
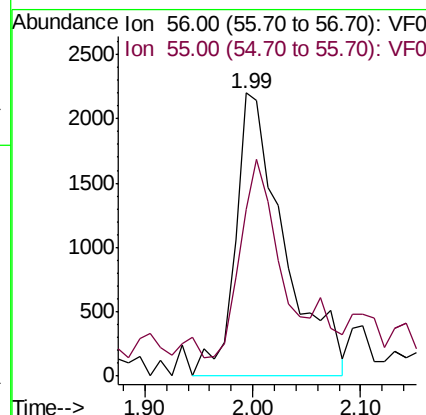
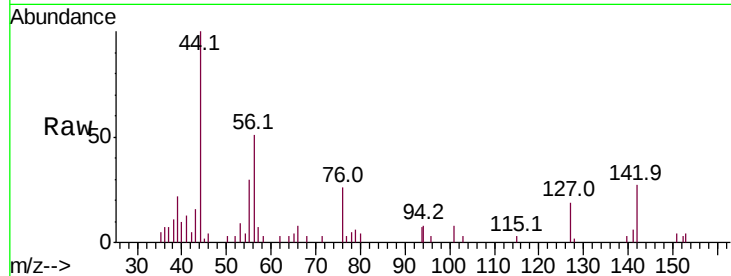




#13
Acrolein
Concen: 87.555 ug/l
RT: 1.99 min Scan# 138
Delta R.T. 0.00 min
Lab File: VF061518.D
Acq: 25 Jan 2019 13:51

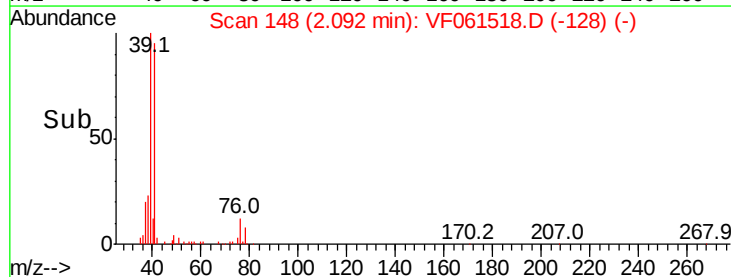
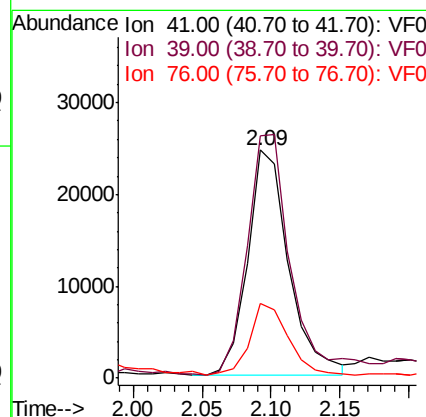
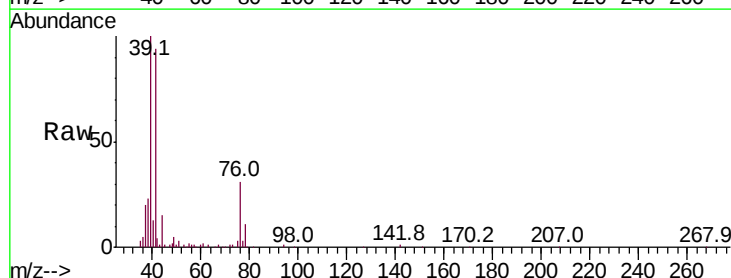
Instrument :
MSVOA_F
ClientSampleId :

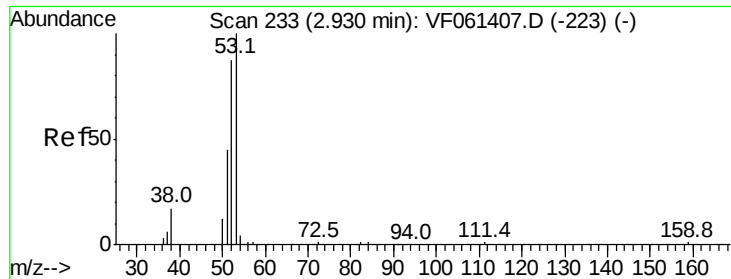
Tot Ion: 56 Resp: 6935
Ion Ratio Lower Upper
56 100
55 58.8 57.5 86.3



#14
Allyl chloride
Concen: 26.460 ug/l
RT: 2.09 min Scan# 148
Delta R.T. 0.00 min
Lab File: VF061518.D
Acq: 25 Jan 2019 13:51

Tgt Ion: 41 Resp: 51858
Ion Ratio Lower Upper
41 100
39 106.0 94.6 141.8
76 32.7 25.9 38.9





#15

Acrylonitrile

Concen: 106.937 ug/l

RT: 2.94 min Scan# 234

Delta R.T. 0.01 min

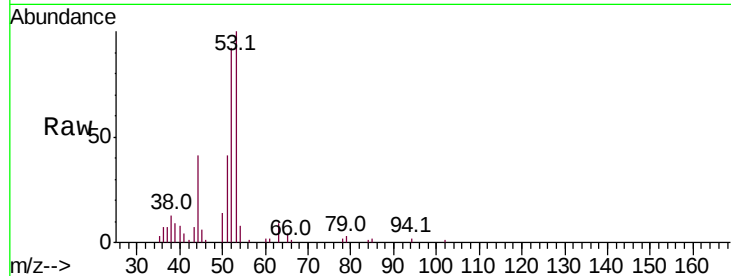
Lab File: VF061518.D

Acq: 25 Jan 2019 13:51

Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 53 Resp: 27380

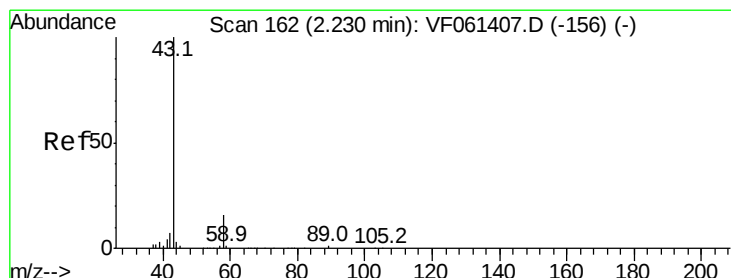
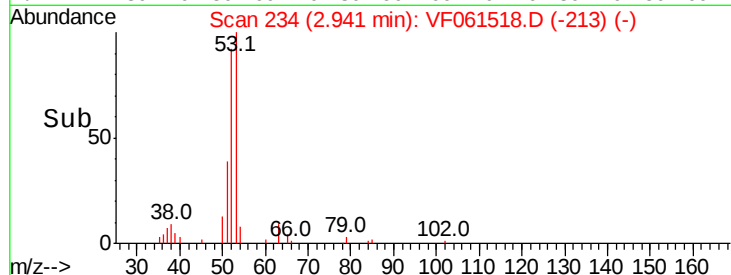
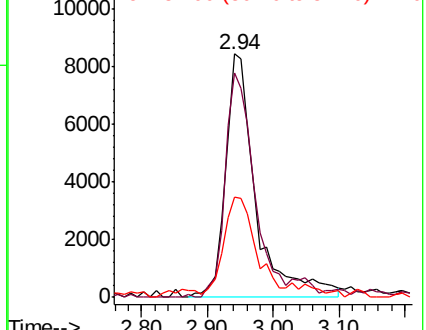
Ion	Ratio	Lower	Upper
53	100		
52	92.0	69.6	104.4
51	41.3	36.8	55.2



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 128.464 ug/l

RT: 2.24 min Scan# 163

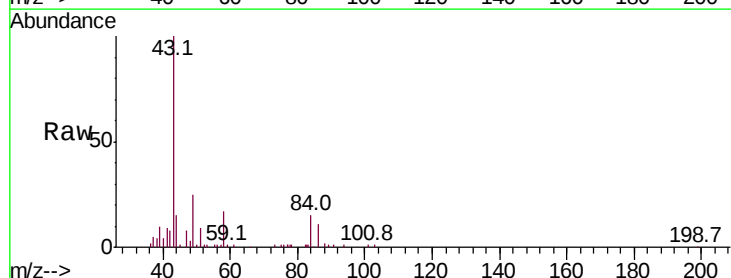
Delta R.T. 0.01 min

Lab File: VF061518.D

Acq: 25 Jan 2019 13:51

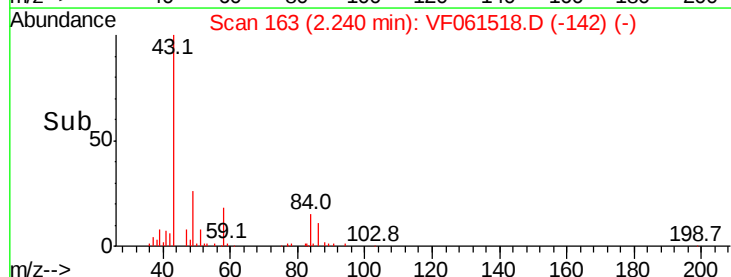
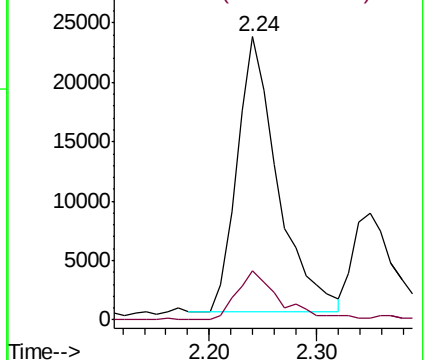
Tgt Ion: 43 Resp: 60858

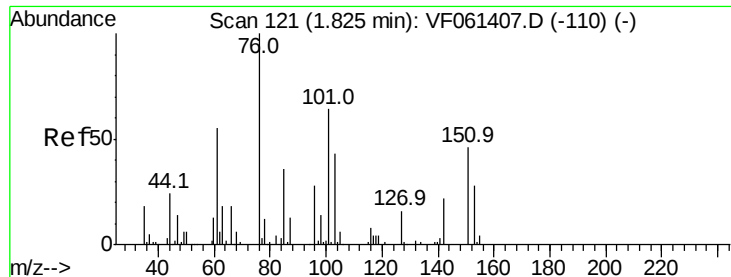
Ion	Ratio	Lower	Upper
43	100		
58	17.3	13.3	19.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

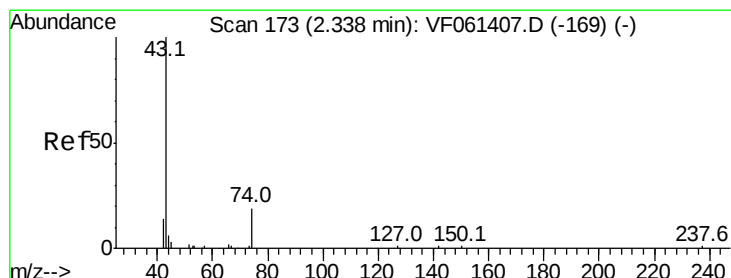
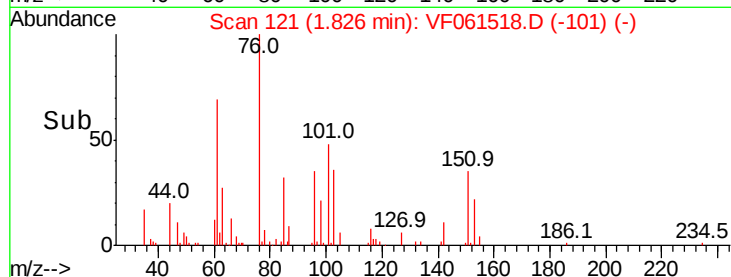
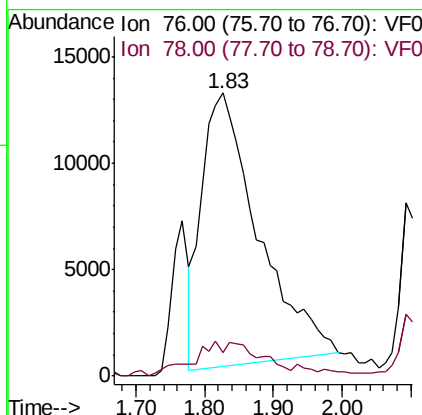
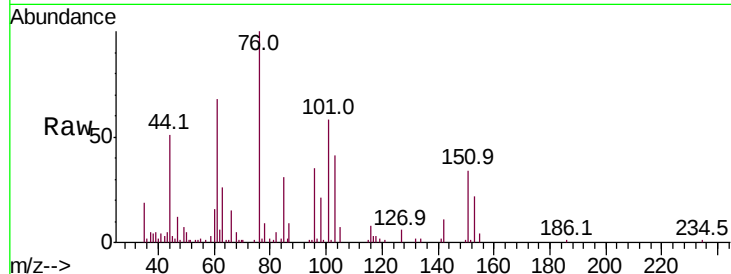




#17
Carbon Disulfide
Concen: 13.813 ug/l
RT: 1.83 min Scan# 121
Delta R.T. 0.00 min
Lab File: VF061518.D
Acq: 25 Jan 2019 13:51

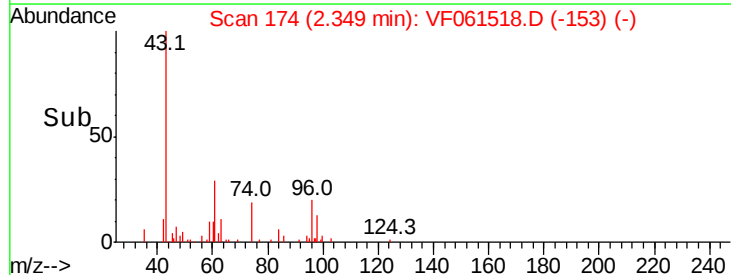
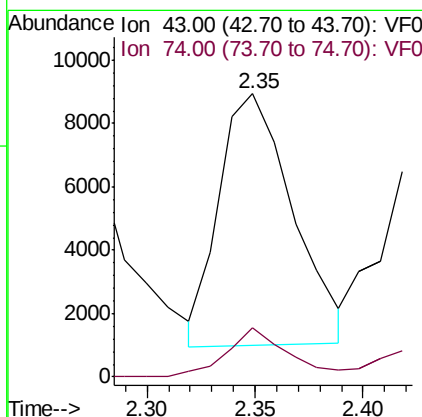
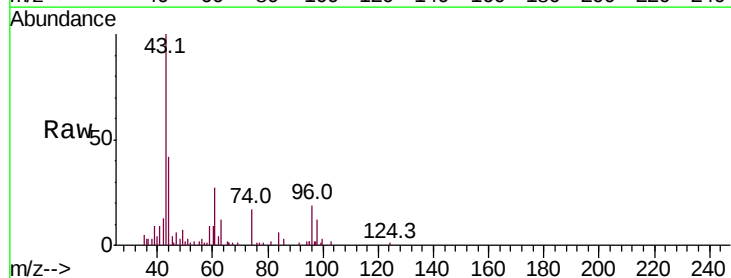
Instrument :
MSVOA_F
ClientSampled :

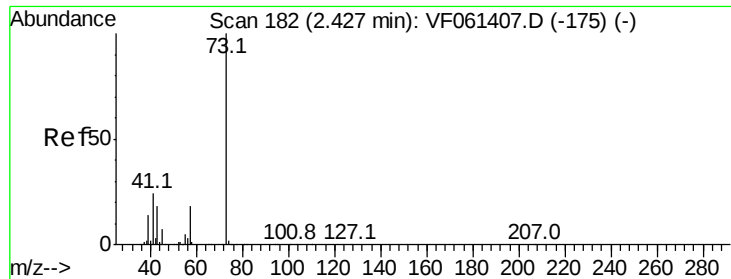
Tot Ion: 76 Resp: 73266
Ion Ratio Lower Upper
76 100
78 8.5 9.6 14.4#



#18
Methyl Acetate
Concen: 20.094 ug/l
RT: 2.35 min Scan# 174
Delta R.T. 0.01 min
Lab File: VF061518.D
Acq: 25 Jan 2019 13:51

Tgt Ion: 43 Resp: 18878
Ion Ratio Lower Upper
43 100
74 17.4 13.4 20.0

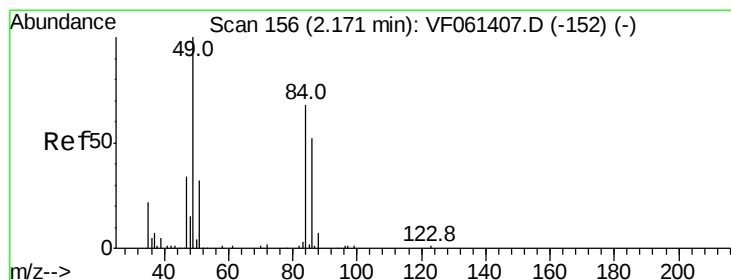
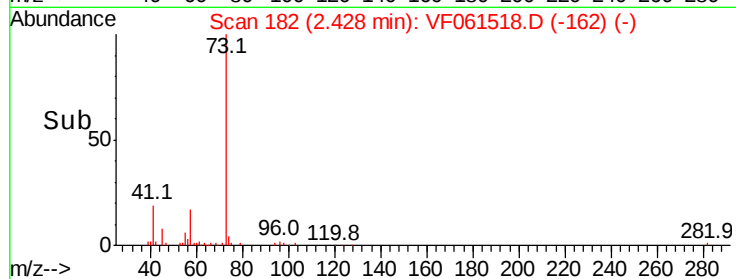
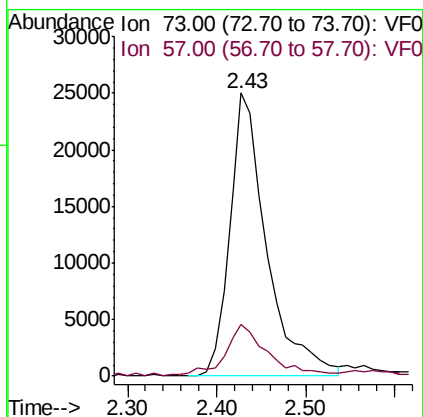
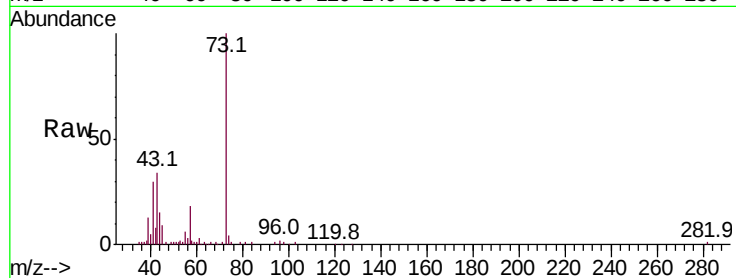




#19
Methyl tert-butyl Ether
Concen: 18.986 ug/l
RT: 2.43 min Scan# 182
Delta R.T. 0.00 min
Lab File: VF061518.D
Acq: 25 Jan 2019 13:51

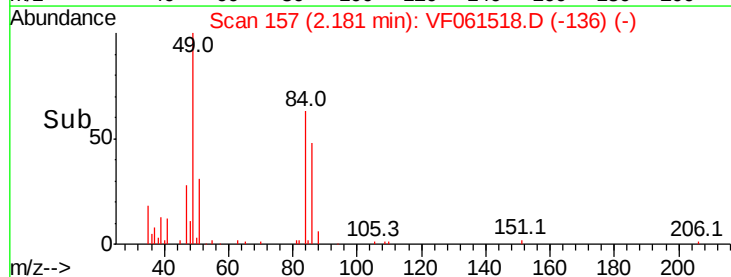
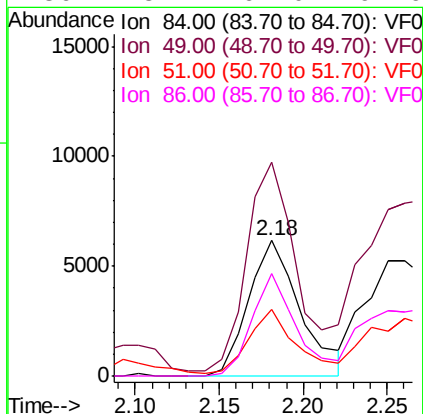
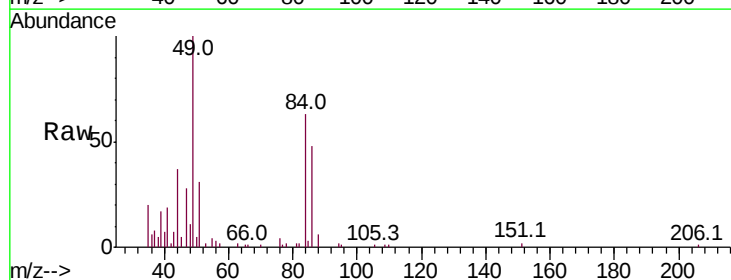
Instrument :
MSVOA_F
ClientSampled :

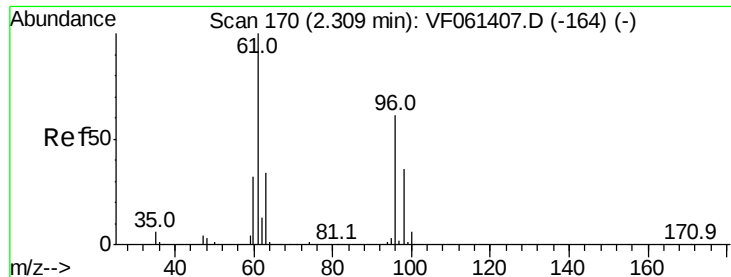
Tot Ion: 73 Resp: 72401
Ion Ratio Lower Upper
73 100
57 18.1 14.8 22.2



#20
Methylene Chloride
Concen: 6.639 ug/l
RT: 2.18 min Scan# 157
Delta R.T. 0.01 min
Lab File: VF061518.D
Acq: 25 Jan 2019 13:51

Tgt Ion: 84 Resp: 13127
Ion Ratio Lower Upper
84 100
49 157.5 120.0 180.0
51 49.6 38.6 58.0
86 75.4 61.0 91.6





#21

trans-1,2-Dichloroethene

Concen: 16.580 ug/l

RT: 2.31 min Scan# 170

Delta R.T. 0.00 min

Lab File: VF061518.D

Acq: 25 Jan 2019 13:51

Instrument :

MSVOA_F

ClientSampleId :

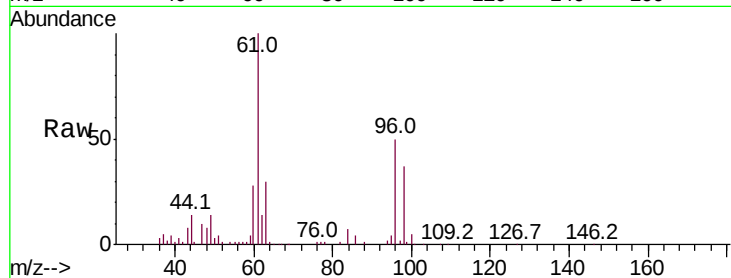
Tot Ion: 96 Resp: 31033

Ion Ratio Lower Upper

96 100

61 201.8 131.8 197.8#

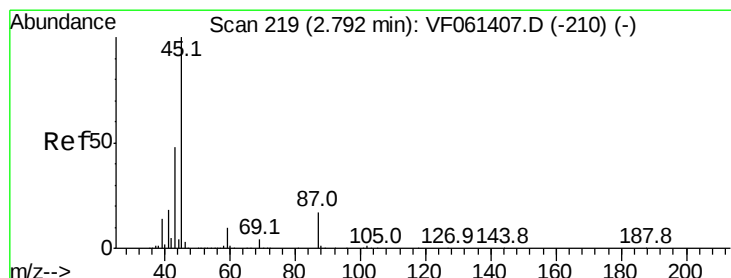
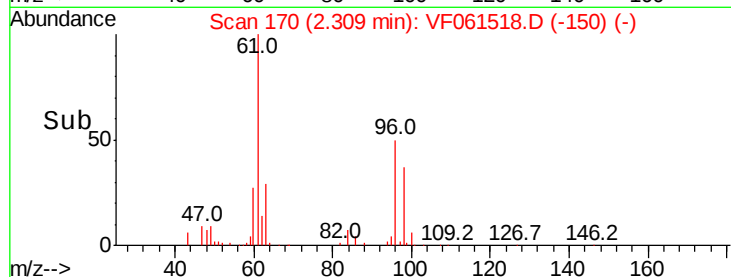
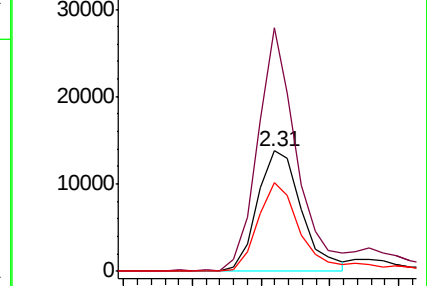
98 74.0 47.4 71.0#



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: 20.681 ug/l

RT: 2.80 min Scan# 220

Delta R.T. 0.01 min

Lab File: VF061518.D

Acq: 25 Jan 2019 13:51

Tgt Ion: 45 Resp: 125196

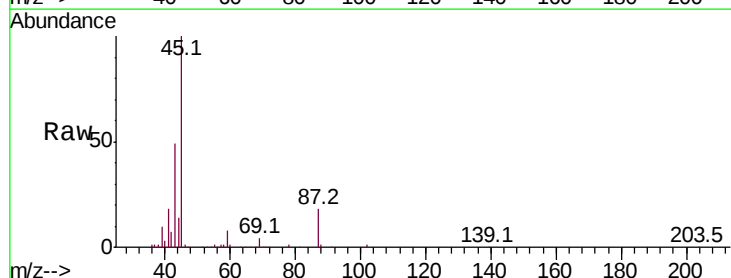
Ion Ratio Lower Upper

45 100

43 49.0 39.0 58.6

87 18.1 13.9 20.9

59 7.8 7.8 11.6

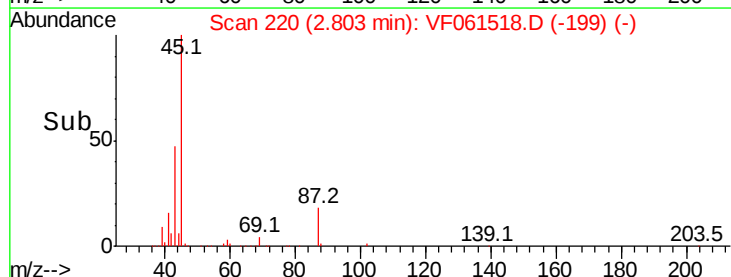
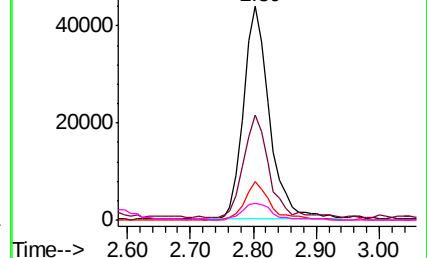


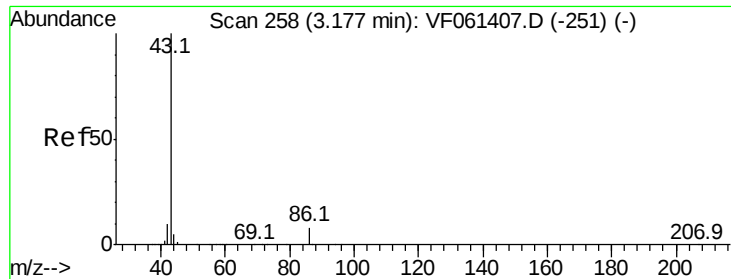
Abundance Ion 45.00 (44.70 to 45.70): VF0

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

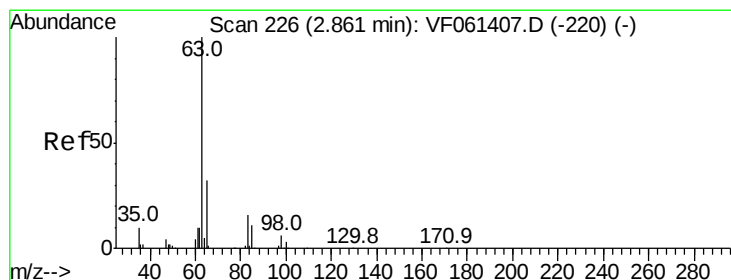
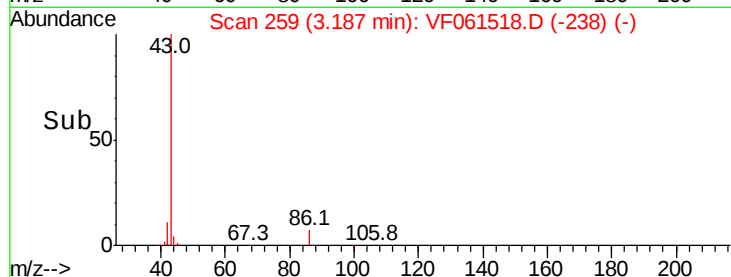
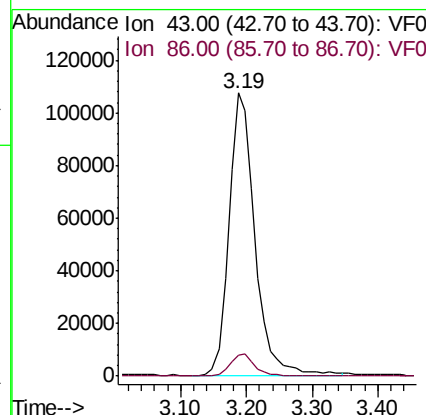
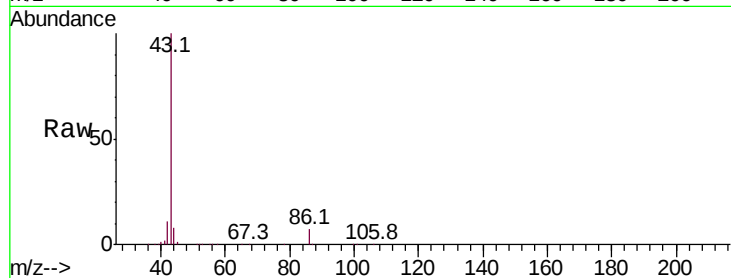




#23
 Vinyl Acetate
 Concen: 112.072 ug/l
 RT: 3.19 min Scan# 259
 Delta R.T. 0.01 min
 Lab File: VF061518.D
 Acq: 25 Jan 2019 13:51

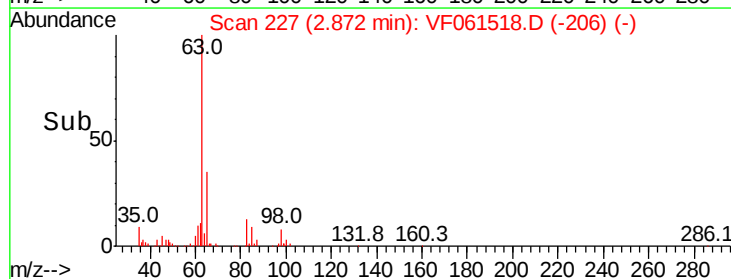
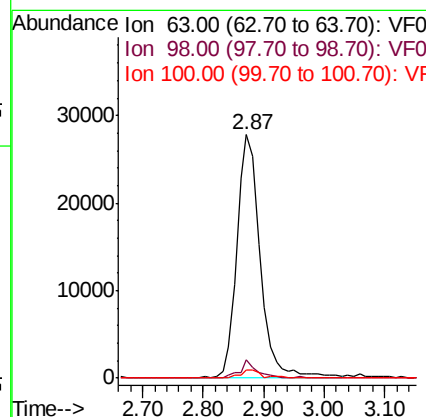
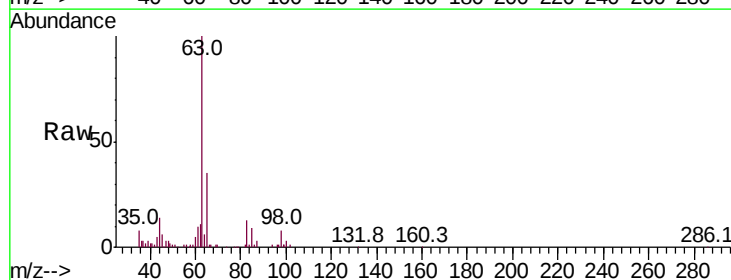
Instrument :
 MSVOA_F
 ClientSampleId :

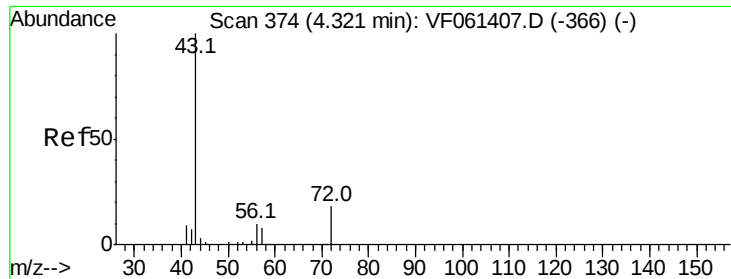
Tot Ion: 43 Resp: 293668
 Ion Ratio Lower Upper
 43 100
 86 7.2 6.2 9.4



#24
 1,1-Dichloroethane
 Concen: 19.621 ug/l
 RT: 2.87 min Scan# 227
 Delta R.T. 0.01 min
 Lab File: VF061518.D
 Acq: 25 Jan 2019 13:51

Tgt Ion: 63 Resp: 74551
 Ion Ratio Lower Upper
 63 100
 98 7.6 2.9 8.8
 100 3.3 1.6 4.8





#25

2-Butanone

Concen: 119.542 ug/l

RT: 4.33 min Scan# 375

Delta R.T. 0.01 min

Lab File: VF061518.D

Acq: 25 Jan 2019 13:51

Instrument :

MSVOA_F

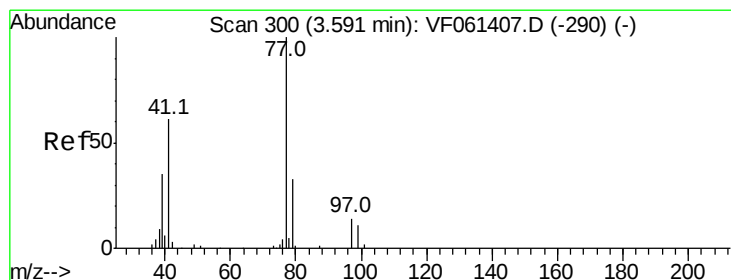
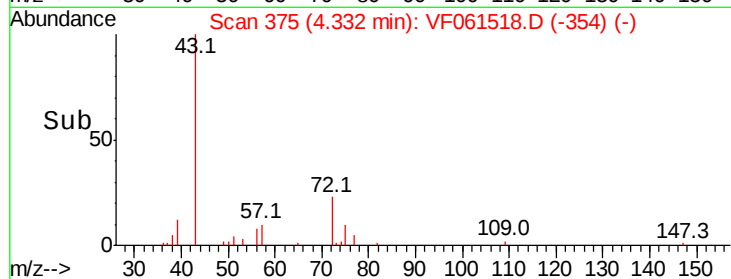
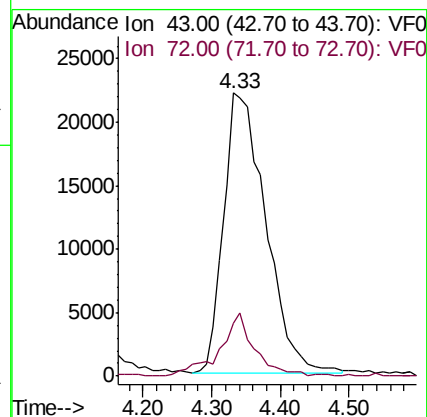
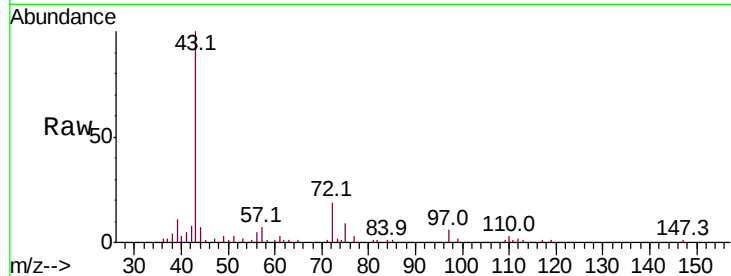
ClientSampleId :

Tot Ion: 43 Resp: 94176

Ion Ratio Lower Upper

43 100

72 18.8 15.8 23.6



#26

2,2-Dichloropropane

Concen: 17.802 ug/l

RT: 3.60 min Scan# 301

Delta R.T. 0.01 min

Lab File: VF061518.D

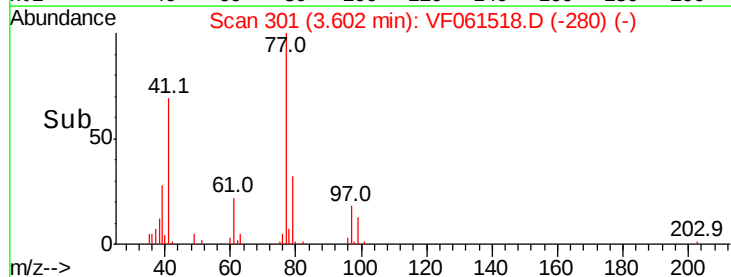
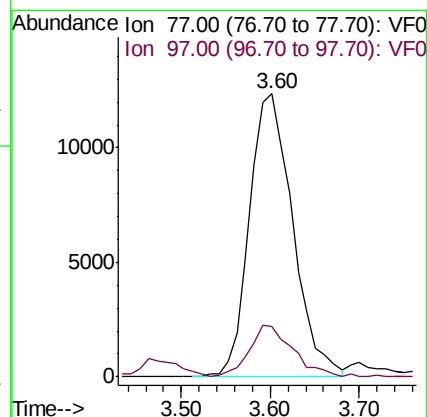
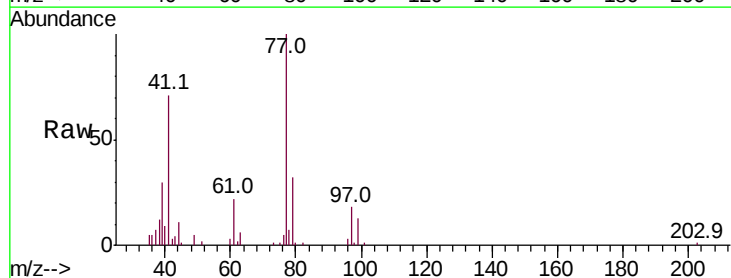
Acq: 25 Jan 2019 13:51

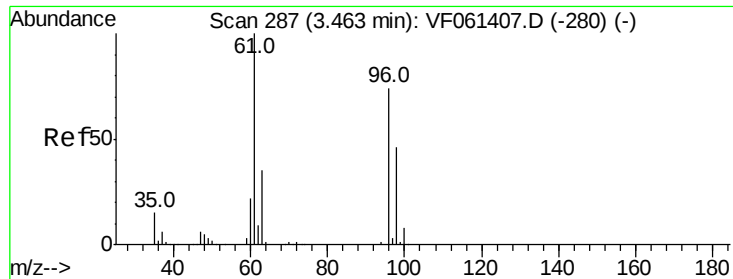
Tgt Ion: 77 Resp: 41556

Ion Ratio Lower Upper

77 100

97 17.7 8.5 25.5



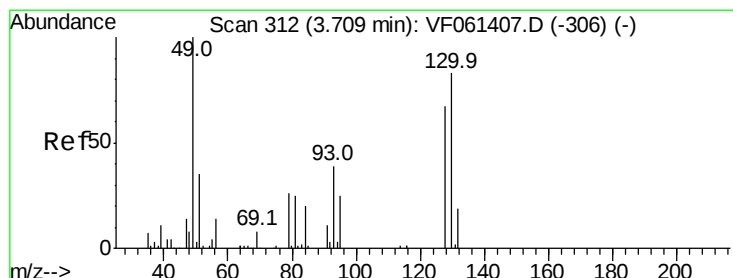
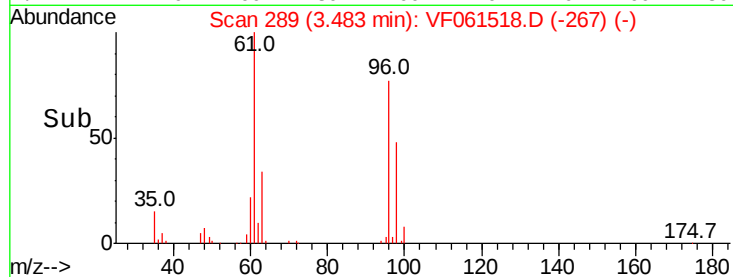
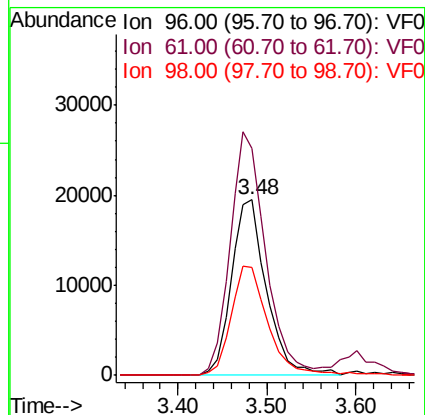
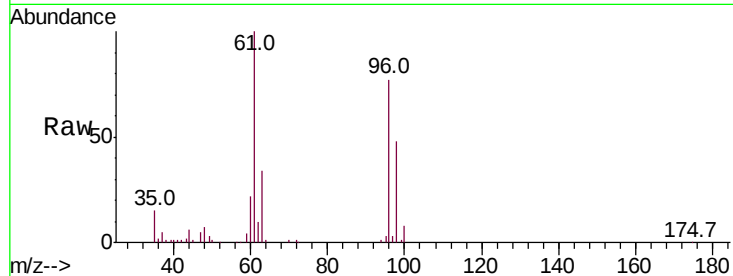


#27

cis-1,2-Dichloroethene
Concen: 19.429 ug/l
RT: 3.48 min Scan# 289
Delta R.T. 0.02 min
Lab File: VF061518.D
Acq: 25 Jan 2019 13:51

Instrument :
MSVOA_F
ClientSampleId :

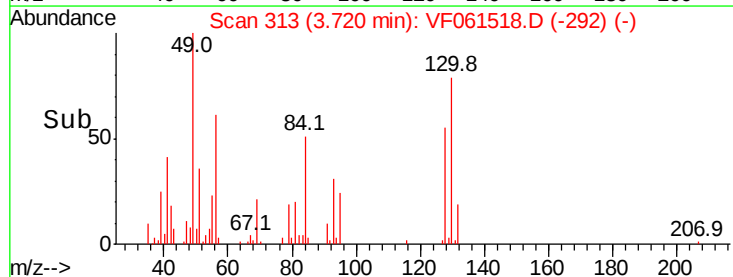
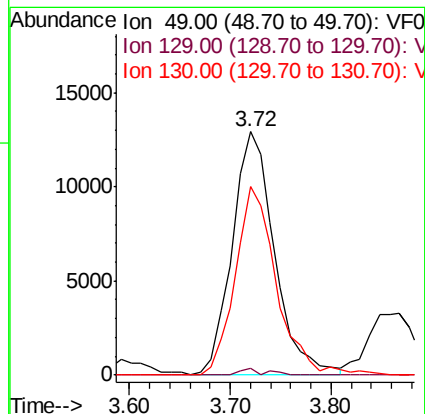
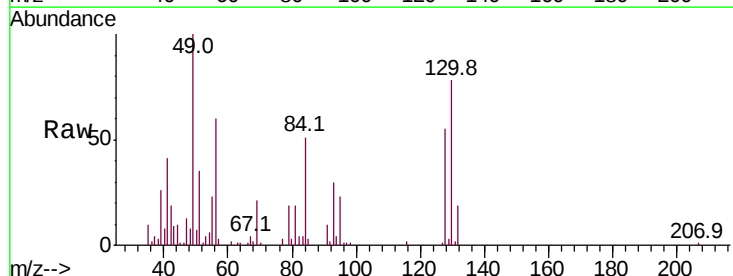
Tot Ion: 96 Resp: 53680
Ion Ratio Lower Upper
96 100
61 129.2 0.0 270.2
98 61.5 0.0 124.0

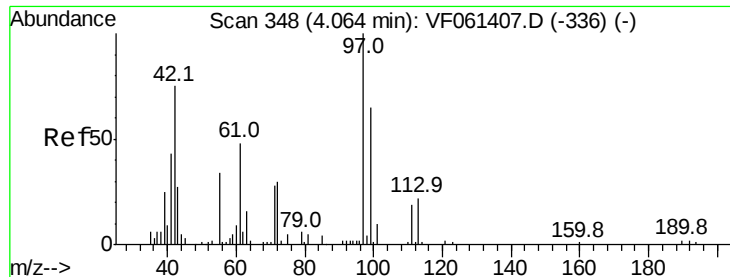


#28

Bromochloromethane
Concen: 22.166 ug/l
RT: 3.72 min Scan# 313
Delta R.T. 0.01 min
Lab File: VF061518.D
Acq: 25 Jan 2019 13:51

Tgt Ion: 49 Resp: 37857
Ion Ratio Lower Upper
49 100
129 3.0 0.0 0.0#
130 77.7 65.4 98.2





#29

Tetrahydrofuran

Concen: 104.515 ug/l

RT: 4.08 min Scan# 349

Delta R.T. 0.01 min

Lab File: VF061518.D

Acq: 25 Jan 2019 13:51

Instrument :

MSVOA_F

ClientSampleId :

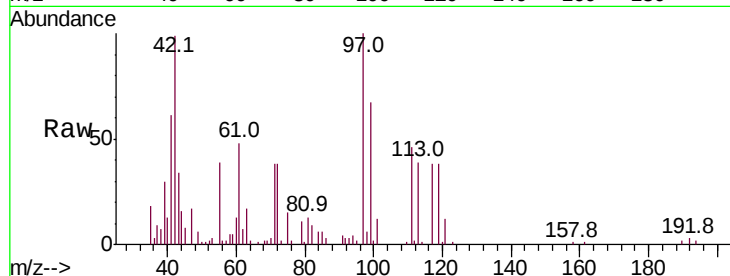
Tot Ion: 42 Resp: 35454

Ion Ratio Lower Upper

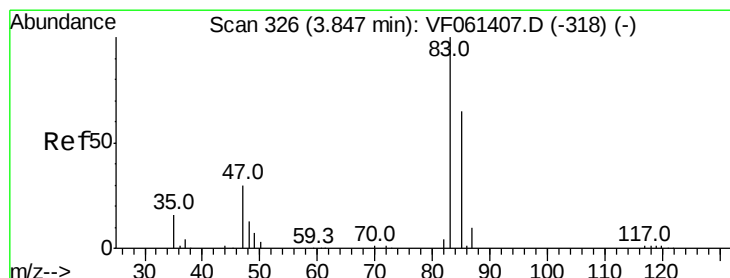
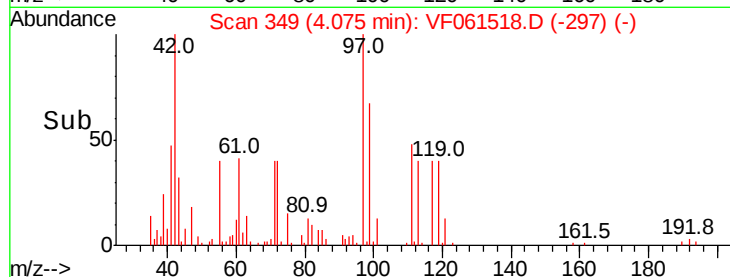
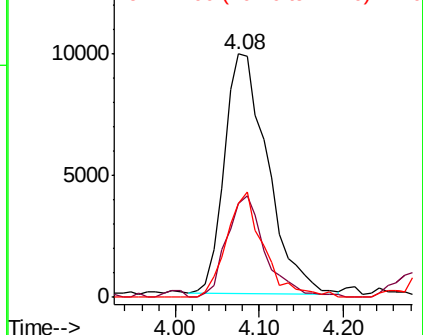
42 100

72 37.7 28.9 43.3

71 37.5 29.6 44.4



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: 19.932 ug/l

RT: 3.87 min Scan# 328

Delta R.T. 0.02 min

Lab File: VF061518.D

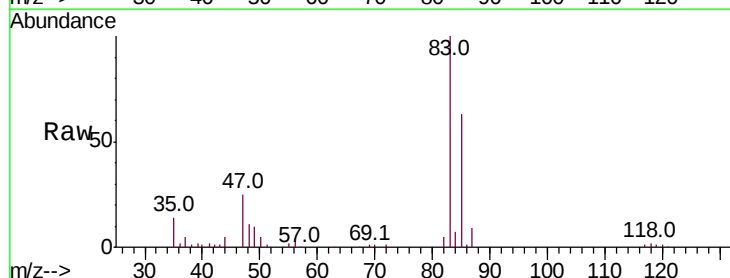
Acq: 25 Jan 2019 13:51

Tgt Ion: 83 Resp: 102203

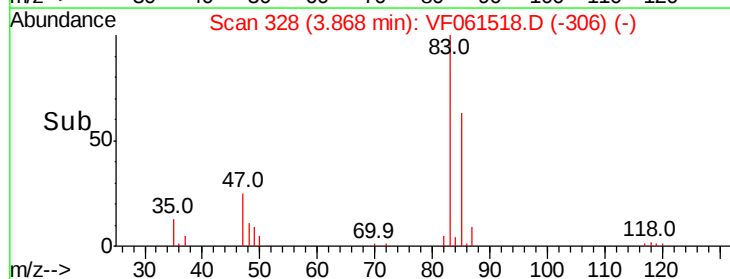
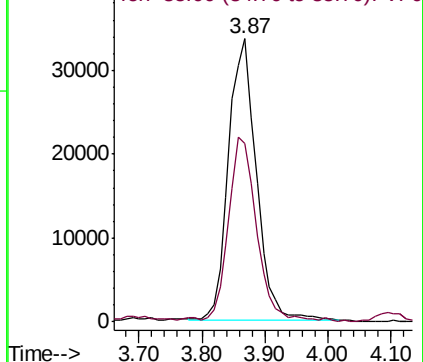
Ion Ratio Lower Upper

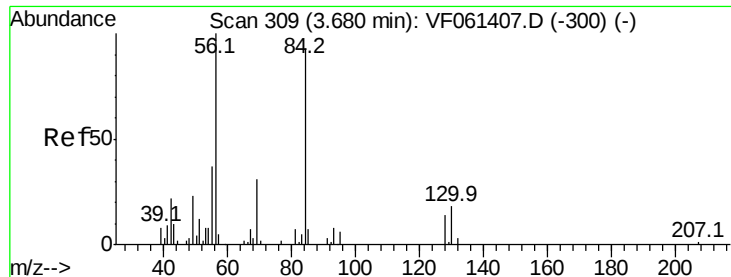
83 100

85 62.9 52.7 79.1



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0





#31

Cvclohexane

Concen: 11.301 ug/l

RT: 3.69 min Scan# 310

Delta R.T. 0.01 min

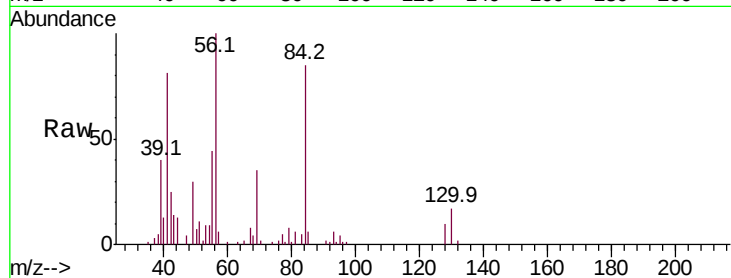
Lab File: VF061518.D

Acq: 25 Jan 2019 13:51

Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 56 Resp: 42891

Ion	Ratio	Lower	Upper
56	100		
69	34.5	24.6	36.8
84	85.2	74.2	111.2

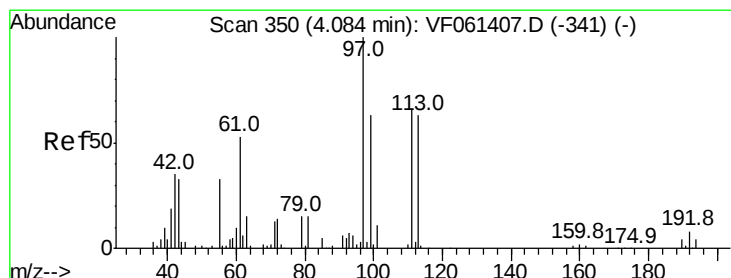
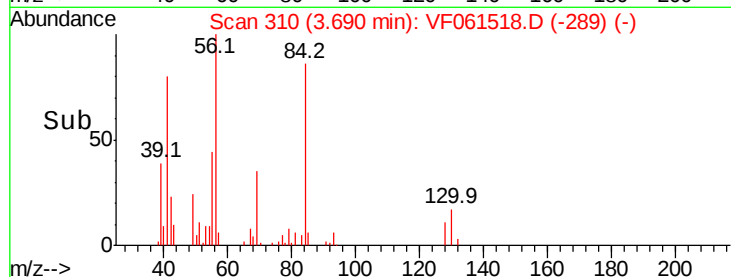
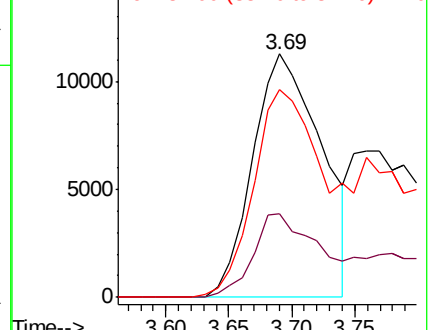


Abundance

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: 16.618 ug/l

RT: 4.09 min Scan# 351

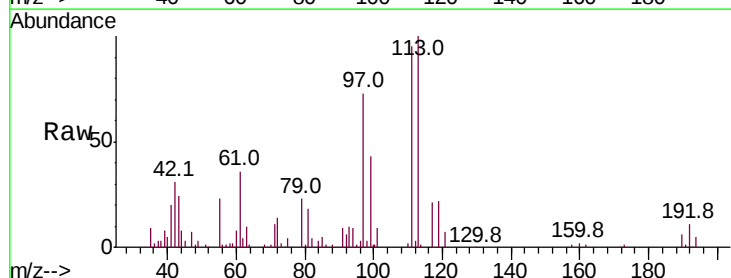
Delta R.T. 0.01 min

Lab File: VF061518.D

Acq: 25 Jan 2019 13:51

Tgt Ion: 97 Resp: 62481

Ion	Ratio	Lower	Upper
97	100		
99	59.0	50.1	75.1
61	49.2	43.1	64.7

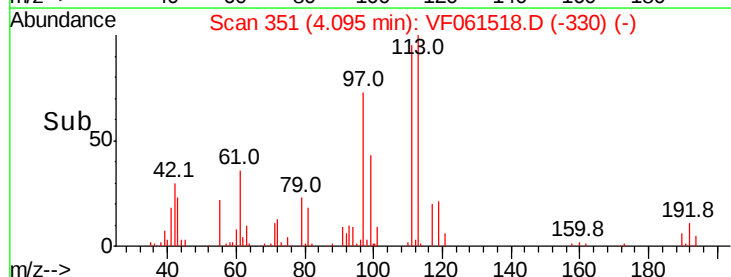
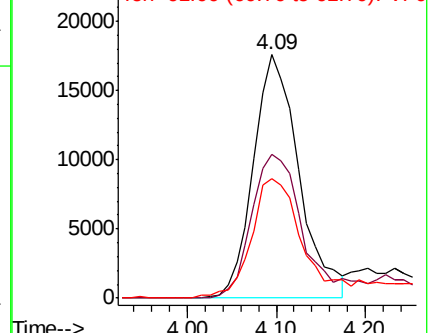


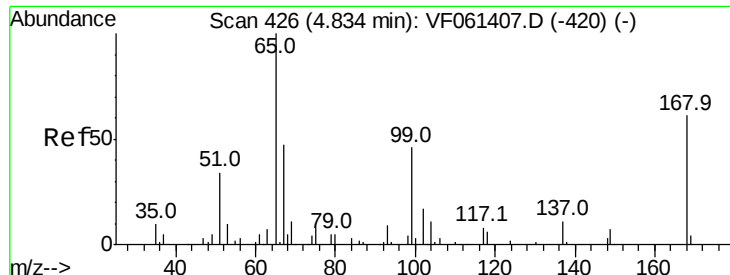
Abundance

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: 48.428 ug/l

RT: 4.84 min Scan# 427

Delta R.T. 0.01 min

Lab File: VF061518.D

Acq: 25 Jan 2019 13:51

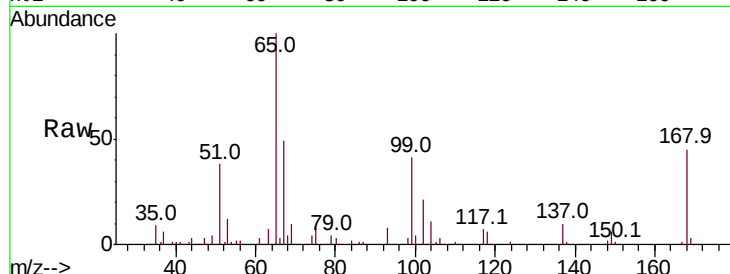
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 65 Resp: 114362

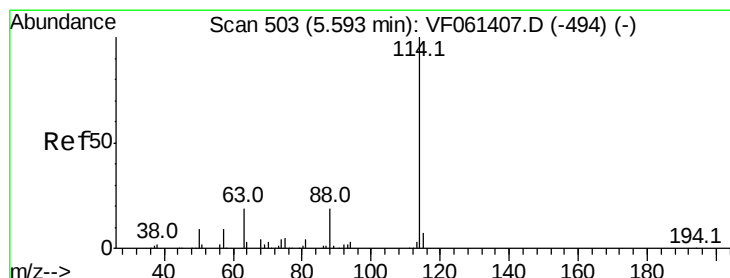
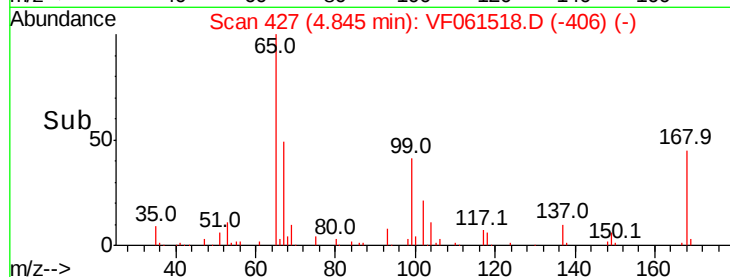
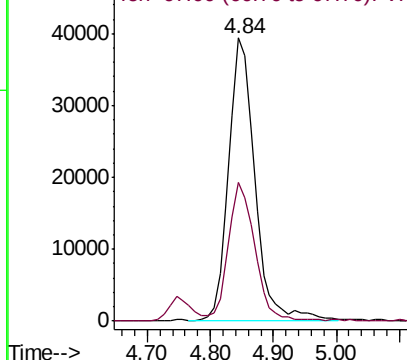
Ion Ratio Lower Upper

65 100

67 48.9 0.0 99.8



Abundance Ion 65.00 (64.70 to 65.70): VF0
Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.60 min Scan# 504

Delta R.T. 0.01 min

Lab File: VF061518.D

Acq: 25 Jan 2019 13:51

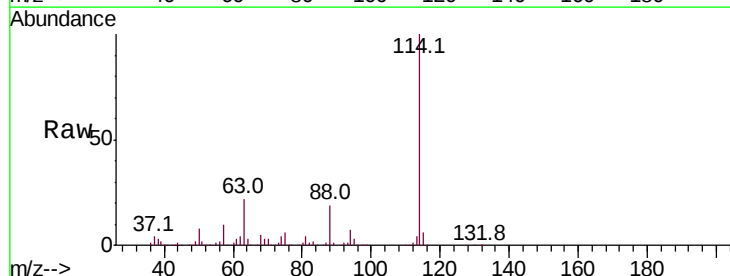
Tgt Ion: 114 Resp: 347663

Ion Ratio Lower Upper

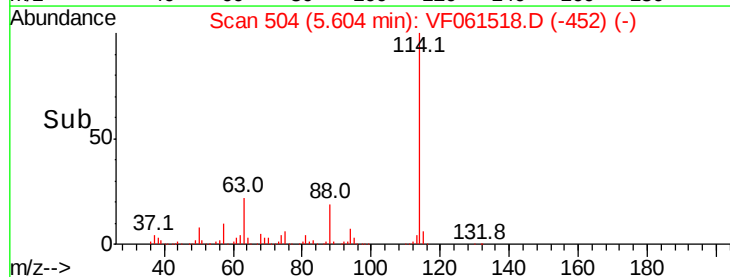
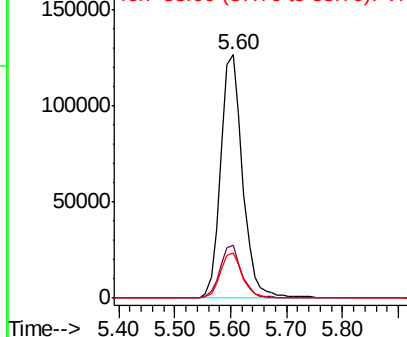
114 100

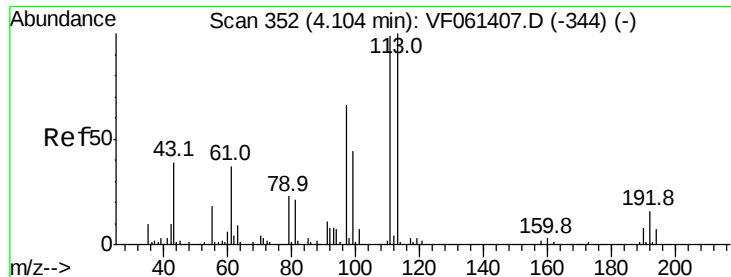
63 21.7 0.0 39.0

88 18.8 0.0 37.4



Abundance Ion 114.00 (113.70 to 114.70): V
Ion 63.00 (62.70 to 63.70): VF0
Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 47.698 ug/l

RT: 4.11 min Scan# 353

Delta R.T. 0.01 min

Lab File: VF061518.D

Acq: 25 Jan 2019 13:51

Instrument :
MSVOA_F
ClientSampled :

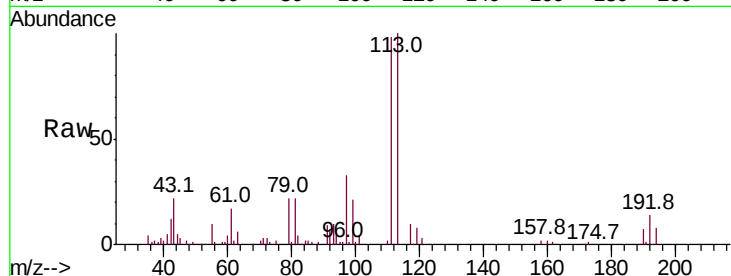
Tot Ion:113 Resp: 130852

Ion Ratio Lower Upper

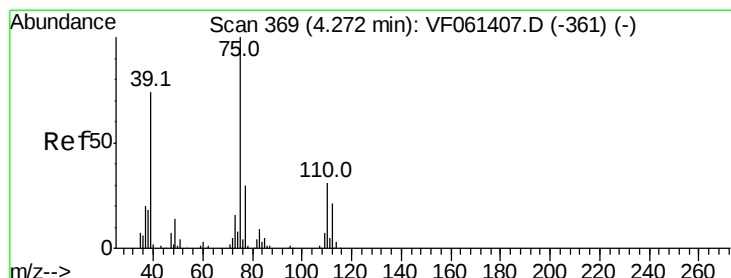
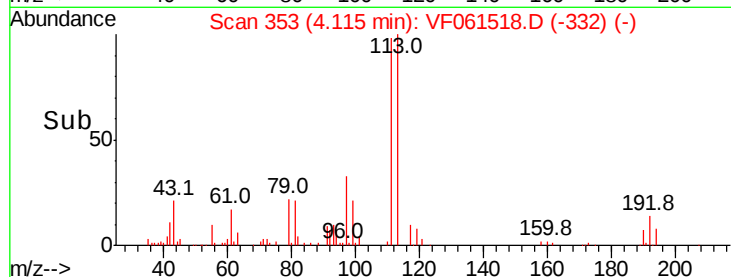
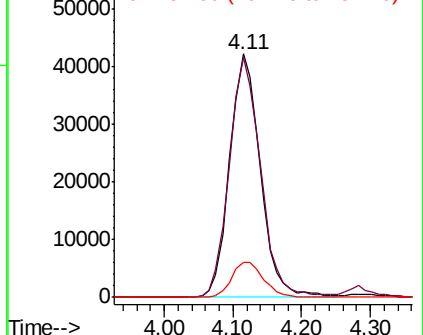
113 100

111 98.3 79.4 119.0

192 14.3 12.4 18.6



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: 18.743 ug/l

RT: 4.28 min Scan# 370

Delta R.T. 0.01 min

Lab File: VF061518.D

Acq: 25 Jan 2019 13:51

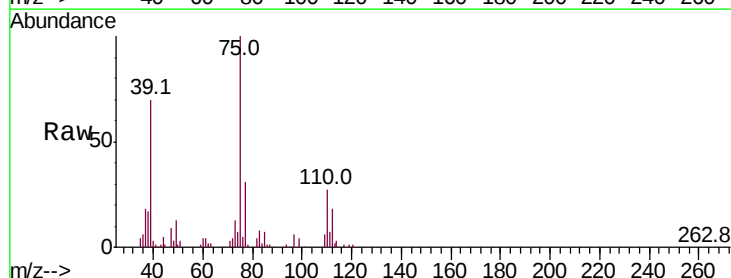
Tgt Ion: 75 Resp: 75551

Ion Ratio Lower Upper

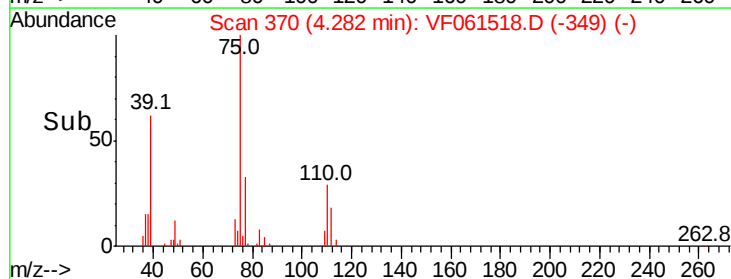
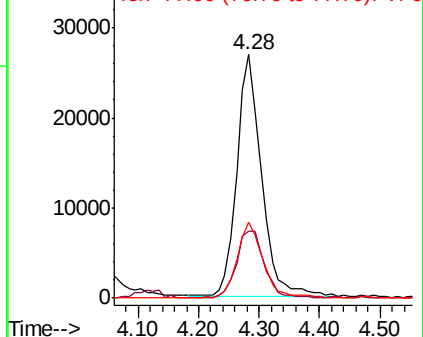
75 100

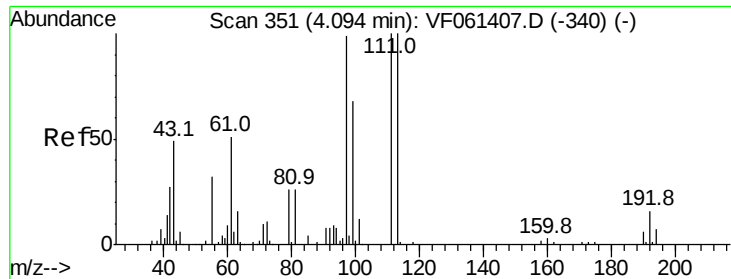
110 27.5 15.8 47.3

77 31.1 24.0 36.0



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

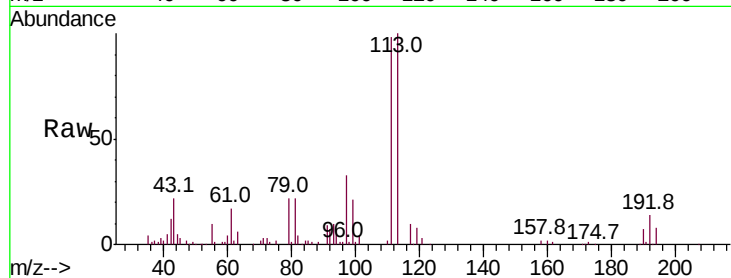




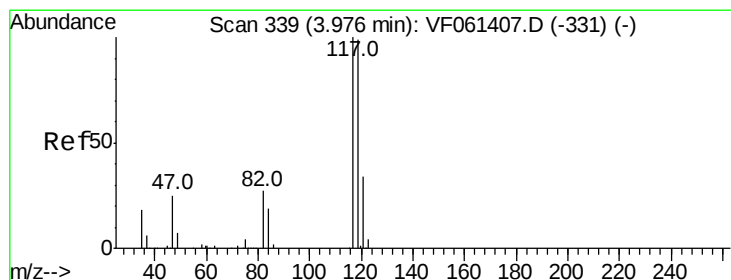
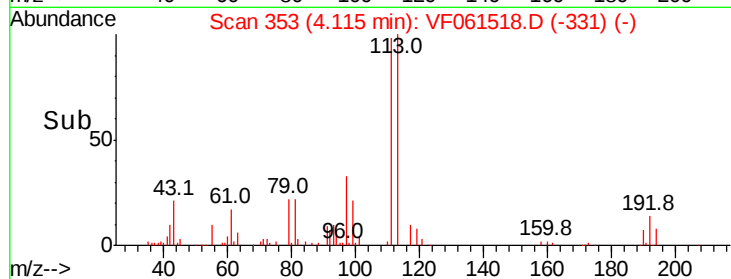
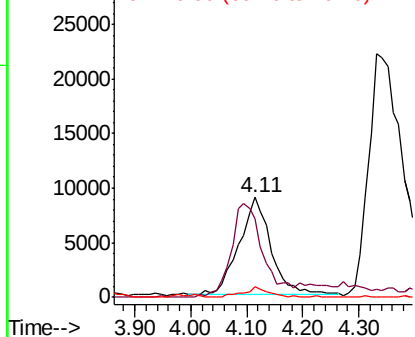
#37
Ethyl Acetate
Concen: 21.512 ug/l
RT: 4.11 min Scan# 353
Delta R.T. 0.02 min
Lab File: VF061518.D
Acq: 25 Jan 2019 13:51

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 34662
Ion Ratio Lower Upper
43 100
61 78.7 81.7 122.5#
70 10.2 6.2 9.2#

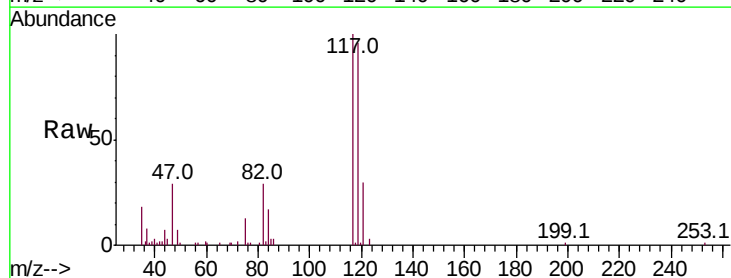


Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 70.00 (69.70 to 70.70): VF0

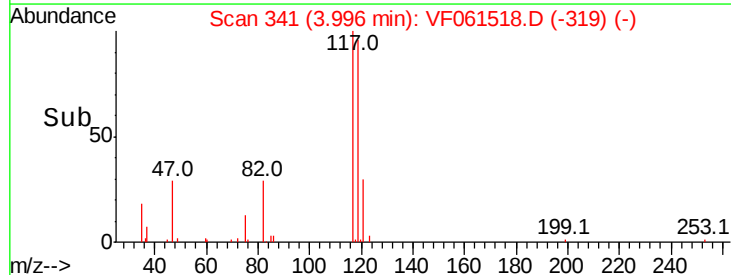
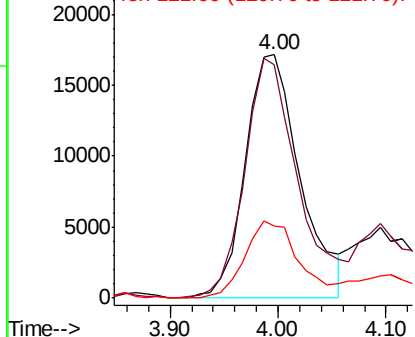


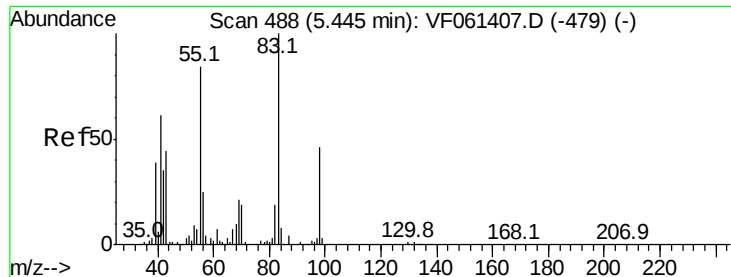
#38
Carbon Tetrachloride
Concen: 17.275 ug/l
RT: 4.00 min Scan# 341
Delta R.T. 0.02 min
Lab File: VF061518.D
Acq: 25 Jan 2019 13:51

Tgt Ion: 117 Resp: 60878
Ion Ratio Lower Upper
117 100
119 96.1 79.0 118.6
121 29.6 27.0 40.6



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

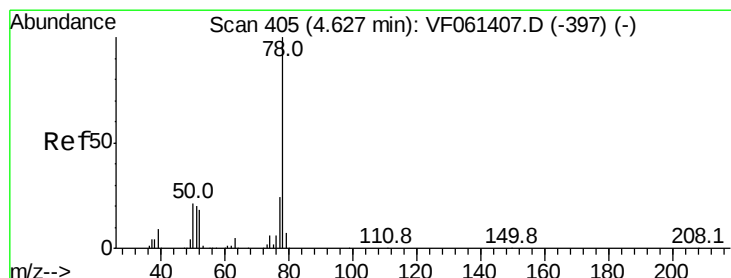
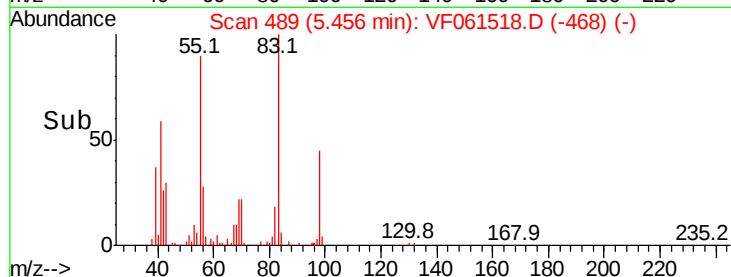
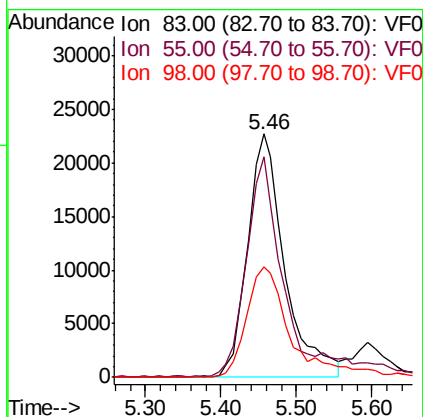
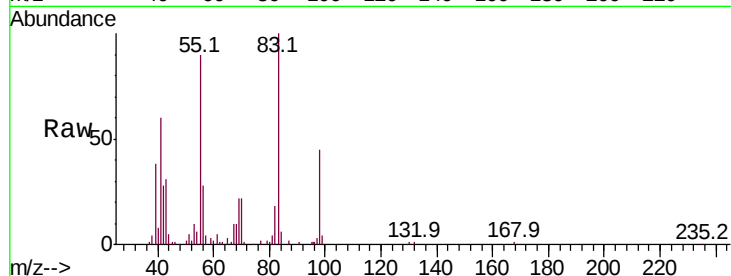




#39
Methvlcvclohexane
Concen: 17.776 ug/l
RT: 5.46 min Scan# 489
Delta R.T. 0.01 min
Lab File: VF061518.D
Acq: 25 Jan 2019 13:51

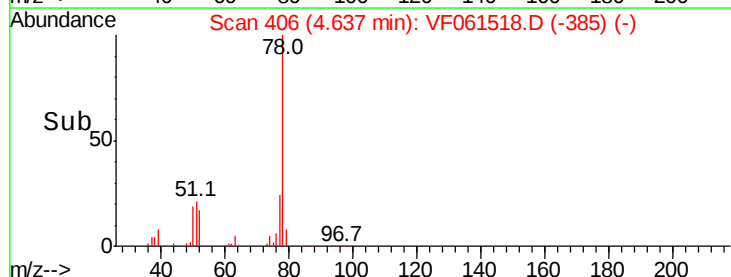
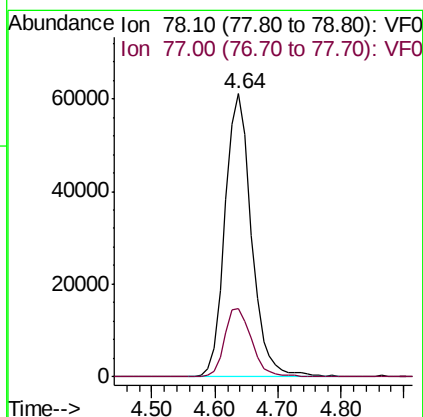
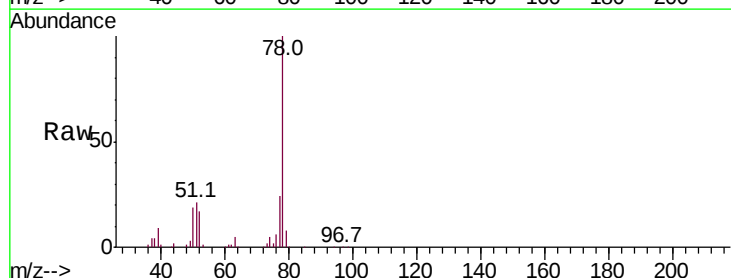
Instrument :
MSVOA_F
ClientSampleId :

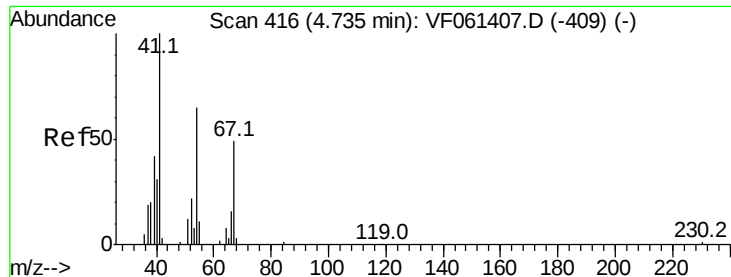
Tot Ion: 83 Resp: 77655
Ion Ratio Lower Upper
83 100
55 90.5 67.4 101.2
98 45.5 36.7 55.1



#40
Benzene
Concen: 19.930 ug/l
RT: 4.64 min Scan# 406
Delta R.T. 0.01 min
Lab File: VF061518.D
Acq: 25 Jan 2019 13:51

Tgt Ion: 78 Resp: 178761
Ion Ratio Lower Upper
78 100
77 24.0 19.0 28.6

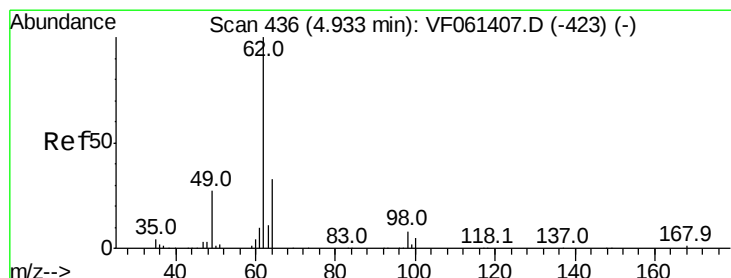
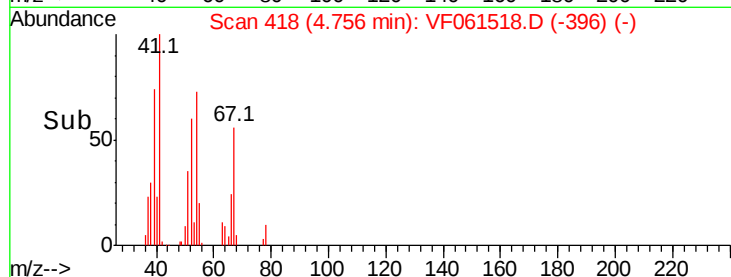
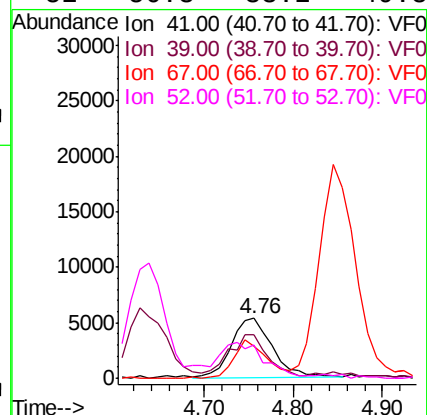
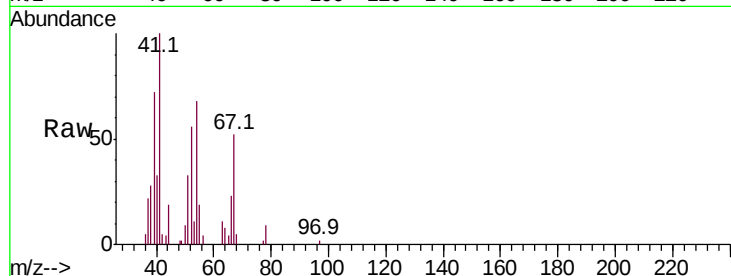




#41
Methacrylonitrile
Concen: 20.277 ug/l
RT: 4.76 min Scan# 418
Delta R.T. 0.02 min
Lab File: VF061518.D
Acq: 25 Jan 2019 13:51

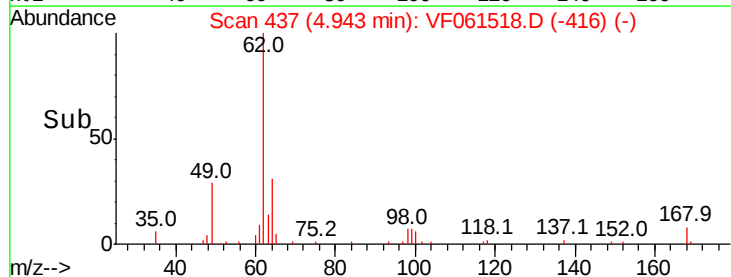
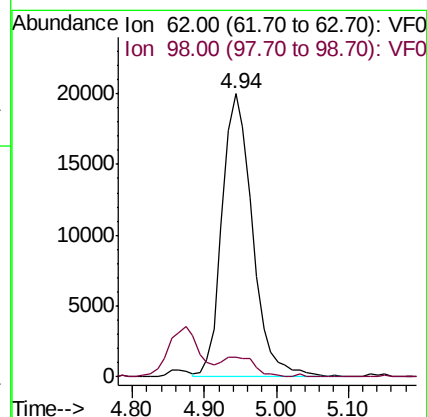
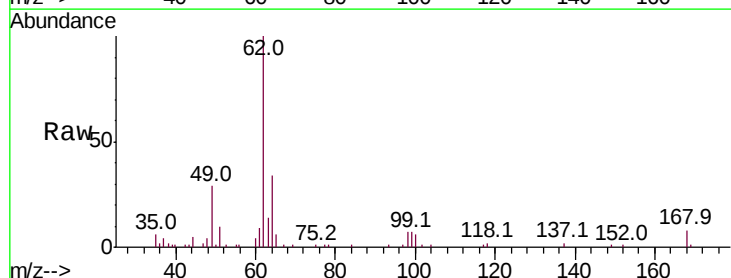
Instrument :
MSVOA_F
ClientSampled :

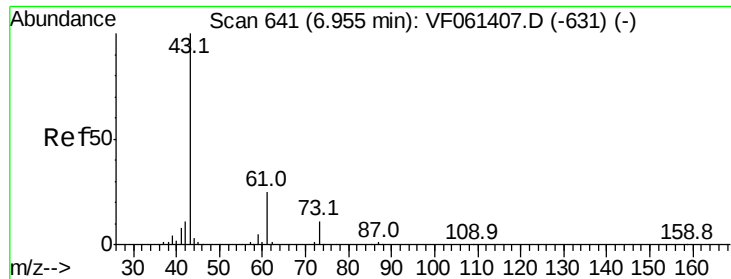
Tot Ion: 41 Resp: 17385
Ion Ratio Lower Upper
41 100
39 72.3 43.1 64.7#
67 52.3 38.8 58.2
52 56.3 33.2 49.8#



#42
1,2-Dichloroethane
Concen: 18.320 ug/l
RT: 4.94 min Scan# 437
Delta R.T. 0.01 min
Lab File: VF061518.D
Acq: 25 Jan 2019 13:51

Tgt Ion: 62 Resp: 58557
Ion Ratio Lower Upper
62 100
98 6.9 0.0 17.0





#43

Isopropyl Acetate

Concen: 19.243 ug/l

RT: 6.97 min Scan# 642

Delta R.T. 0.01 min

Lab File: VF061518.D

Acq: 25 Jan 2019 13:51

Instrument :

MSVOA_F

ClientSampleId :

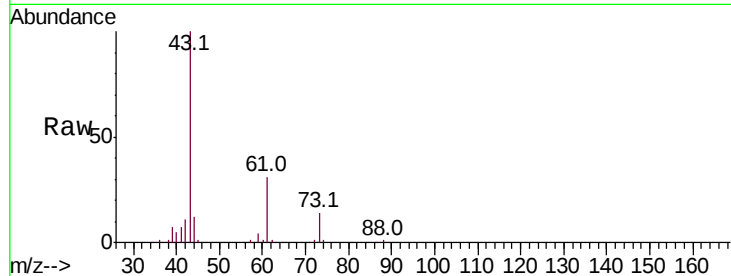
Tot Ion: 43 Resp: 38915

Ion Ratio Lower Upper

43 100

61 30.7 20.3 30.5#

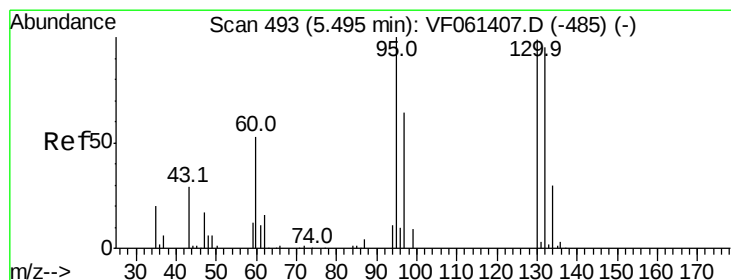
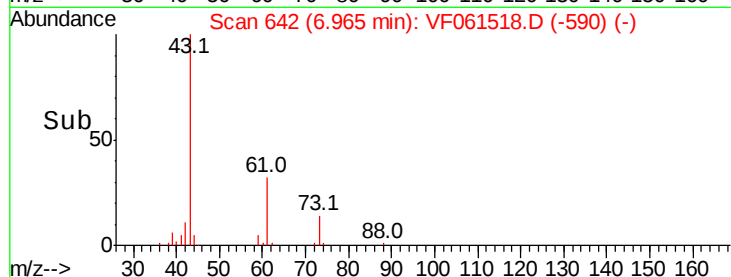
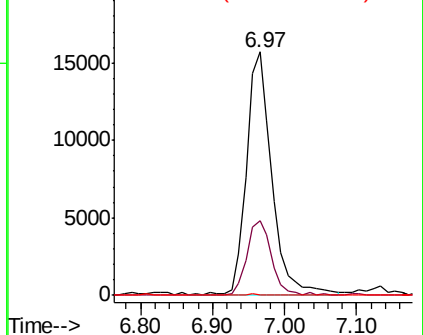
87 0.0 0.5 0.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#44

Trichloroethene

Concen: 20.649 ug/l

RT: 5.51 min Scan# 494

Delta R.T. 0.01 min

Lab File: VF061518.D

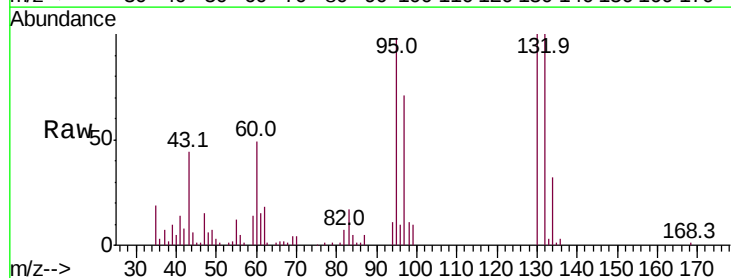
Acq: 25 Jan 2019 13:51

Tgt Ion:130 Resp: 56817

Ion Ratio Lower Upper

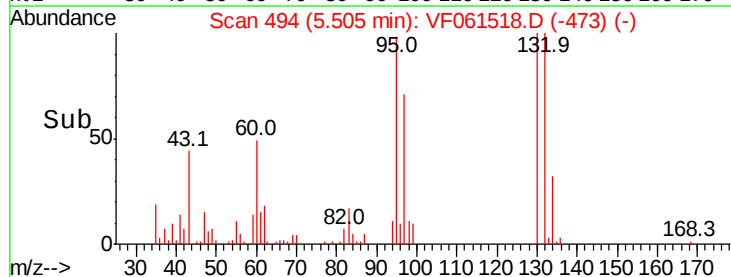
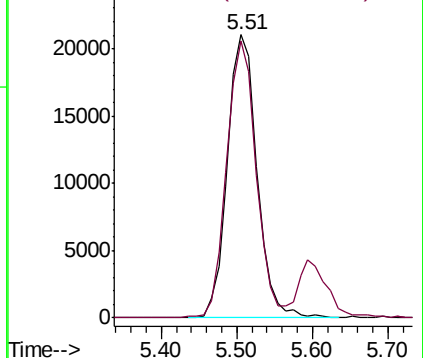
130 100

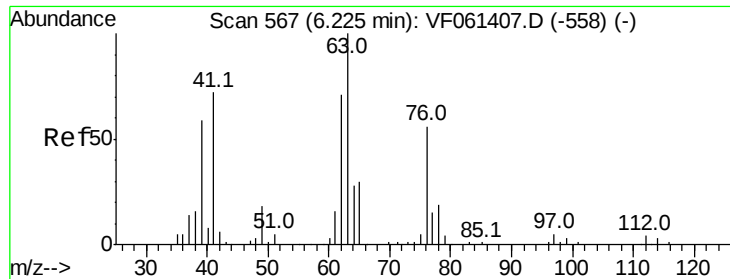
95 98.0 0.0 202.8



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 20.493 ug/l

RT: 6.24 min Scan# 568

Delta R.T. 0.01 min

Lab File: VF061518.D

Acq: 25 Jan 2019 13:51

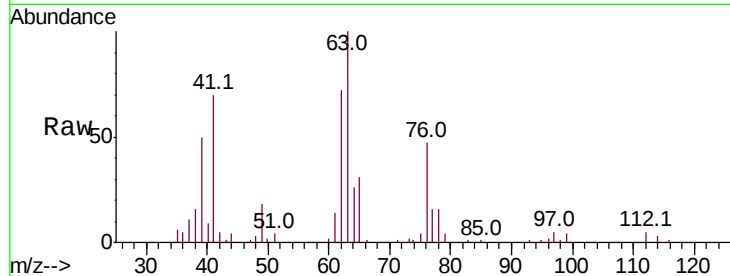
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 63 Resp: 48243

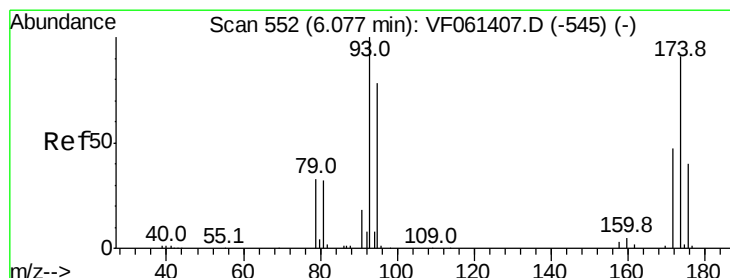
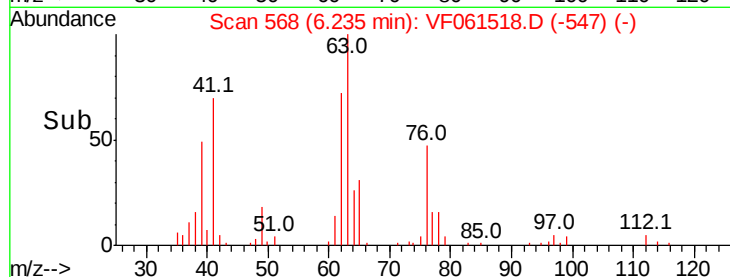
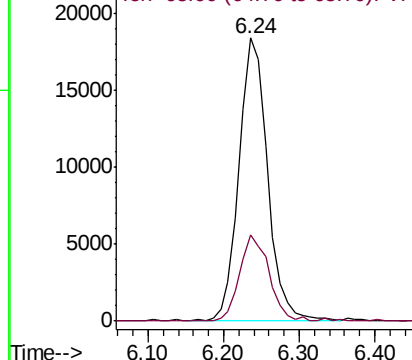
Ion Ratio Lower Upper

63 100

65 30.5 24.4 36.6



Abundance Ion 63.00 (62.70 to 63.70): VF0
Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 17.886 ug/l

RT: 6.09 min Scan# 553

Delta R.T. 0.01 min

Lab File: VF061518.D

Acq: 25 Jan 2019 13:51

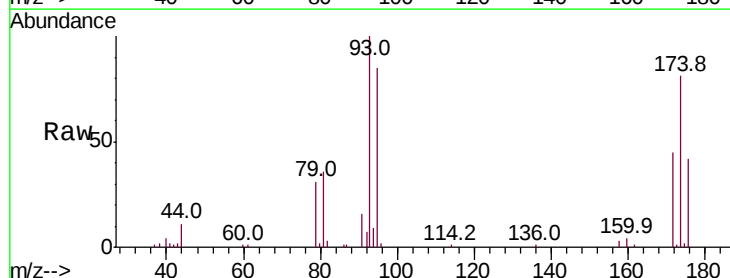
Tgt Ion: 93 Resp: 27997

Ion Ratio Lower Upper

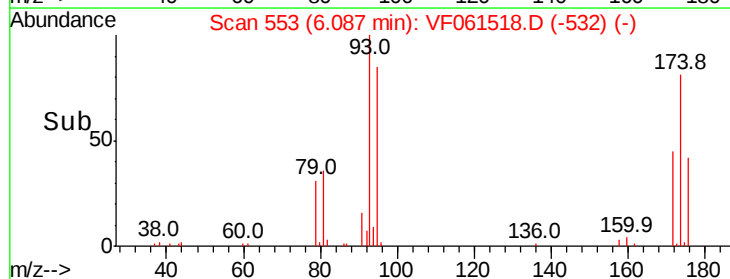
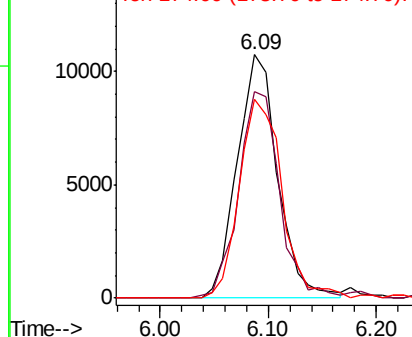
93 100

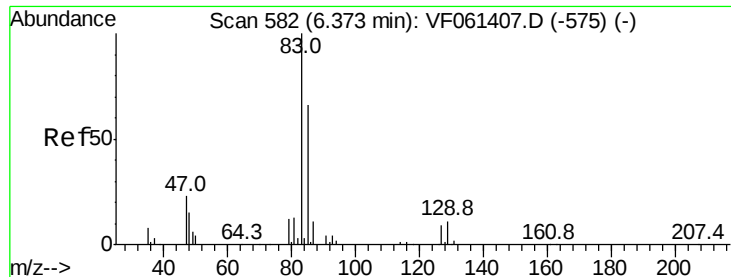
95 84.7 62.1 93.1

174 81.4 74.6 111.8



Abundance Ion 93.00 (92.70 to 93.70): VF0
Ion 95.00 (94.70 to 95.70): VF0
Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 19.606 ug/l

RT: 6.39 min Scan# 584

Delta R.T. 0.02 min

Lab File: VF061518.D

Acq: 25 Jan 2019 13:51

Instrument :

MSVOA_F

ClientSampleId :

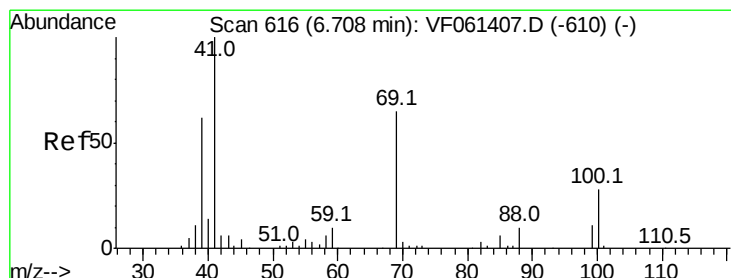
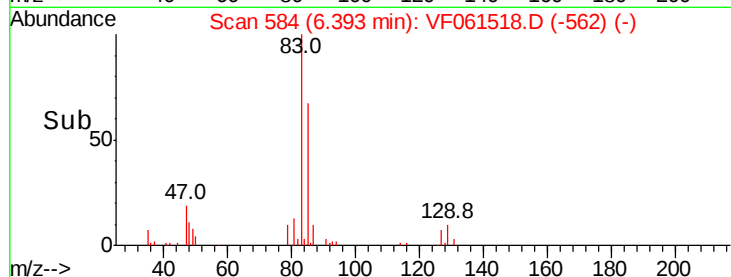
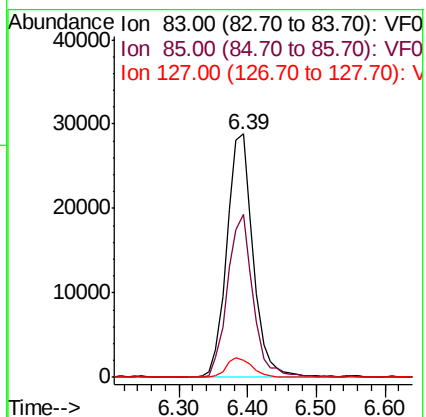
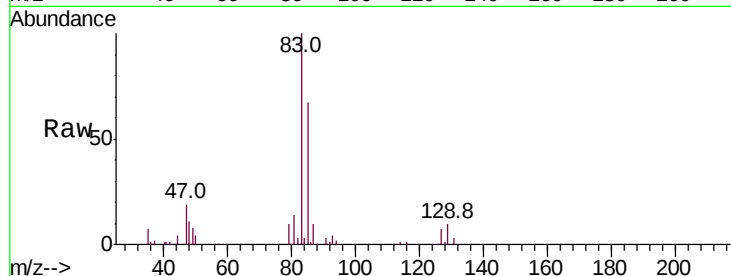
Tot Ion: 83 Resp: 75933

Ion Ratio Lower Upper

83 100

85 67.1 53.0 79.4

127 7.1 6.9 10.3



#48

Methyl methacrylate

Concen: 18.302 ug/l

RT: 6.73 min Scan# 618

Delta R.T. 0.02 min

Lab File: VF061518.D

Acq: 25 Jan 2019 13:51

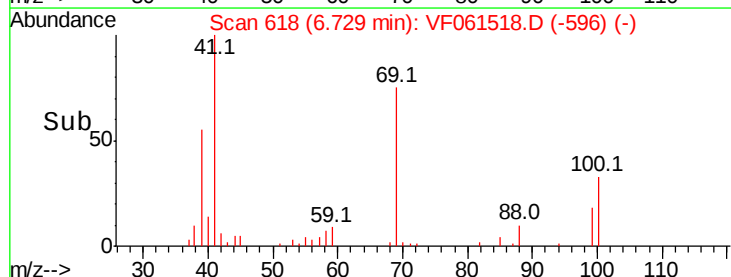
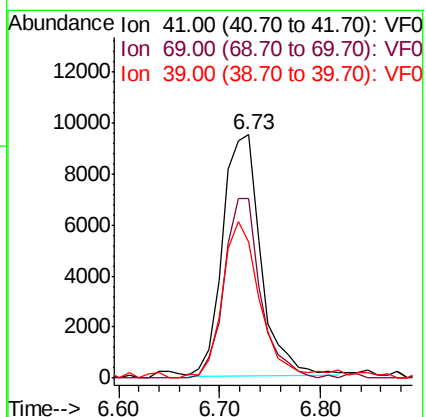
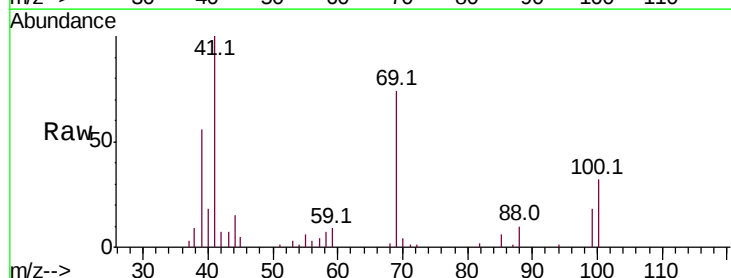
Tgt Ion: 41 Resp: 24854

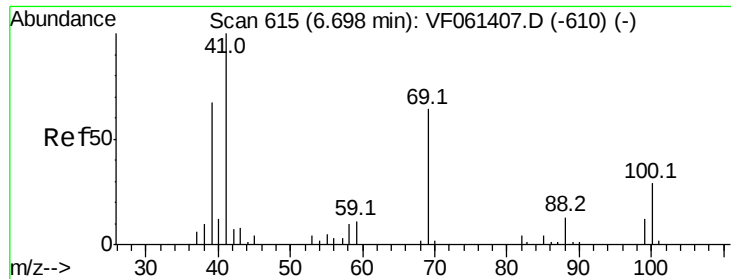
Ion Ratio Lower Upper

41 100

69 73.7 51.7 77.5

39 56.1 49.2 73.8





#49

1,4-Dioxane

Concen: 356.753 ug/l

RT: 6.71 min Scan# 616

Delta R.T. 0.01 min

Lab File: VF061518.D

Acq: 25 Jan 2019 13:51

Instrument :
MSVOA_F
ClientSampleId :

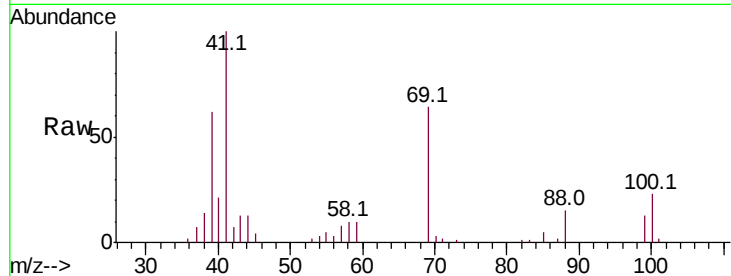
Tot Ion: 88 Resp: 3805

Ion Ratio Lower Upper

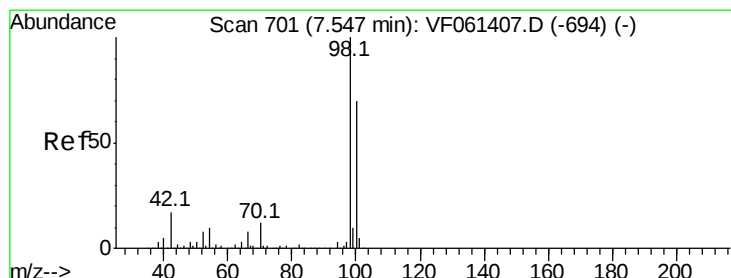
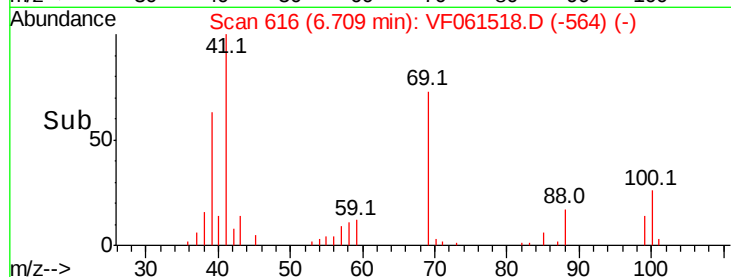
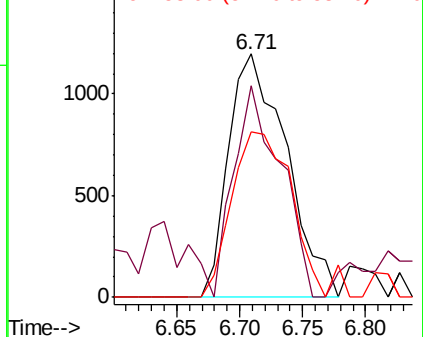
88 100

43 86.9 55.5 83.3#

58 67.8 59.9 89.9



Abundance Ion 88.00 (87.70 to 88.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 46.942 ug/l

RT: 7.56 min Scan# 702

Delta R.T. 0.01 min

Lab File: VF061518.D

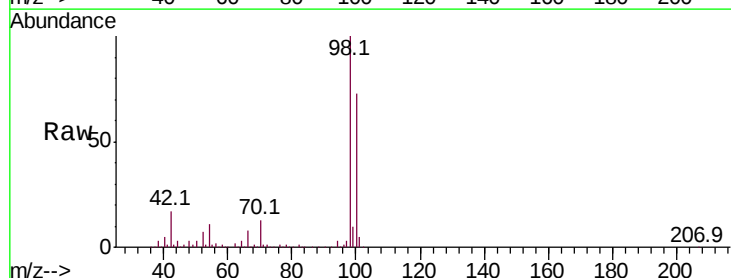
Acq: 25 Jan 2019 13:51

Tgt Ion: 98 Resp: 352833

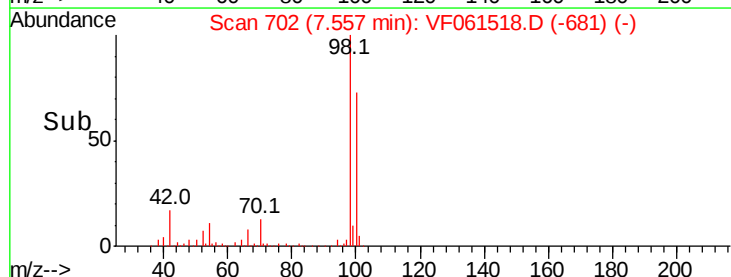
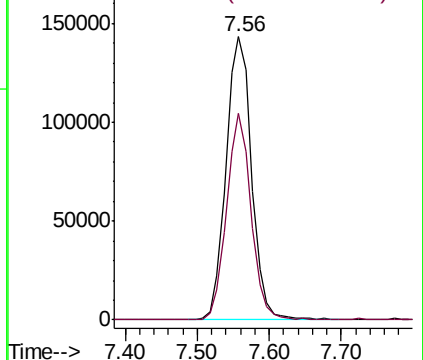
Ion Ratio Lower Upper

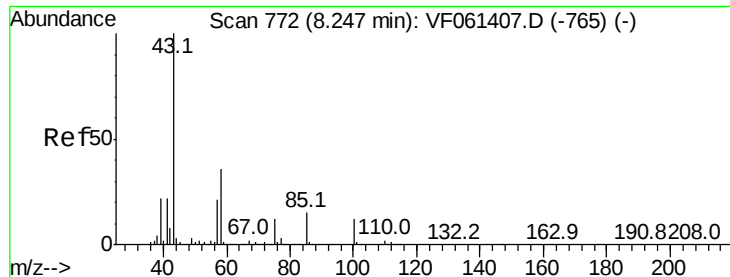
98 100

100 73.1 55.6 83.4



Abundance Ion 98.00 (97.70 to 98.70): VF0
Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 106.361 ug/l

RT: 8.26 min Scan# 773

Delta R.T. 0.01 min

Lab File: VF061518.D

Acq: 25 Jan 2019 13:51

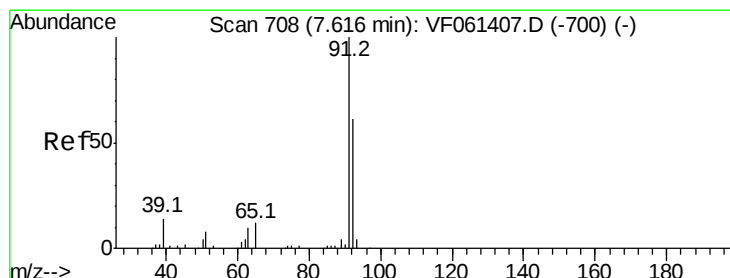
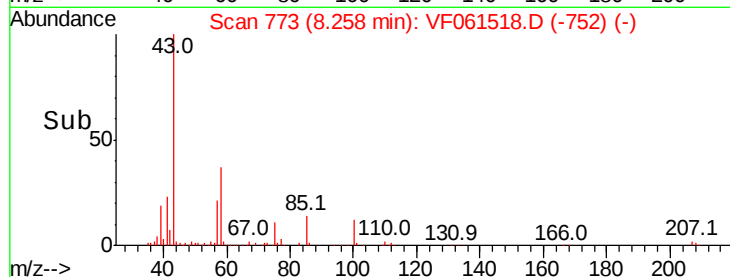
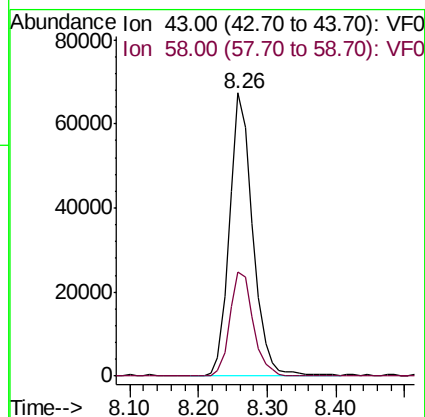
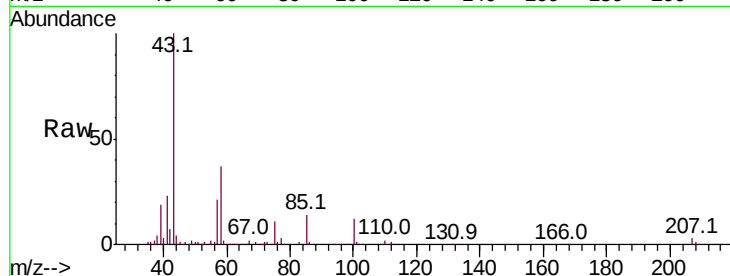
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 158129

Ion Ratio Lower Upper

43 100

58 36.8 28.8 43.2



#52

Toluene

Concen: 17.665 ug/l

RT: 7.63 min Scan# 709

Delta R.T. 0.01 min

Lab File: VF061518.D

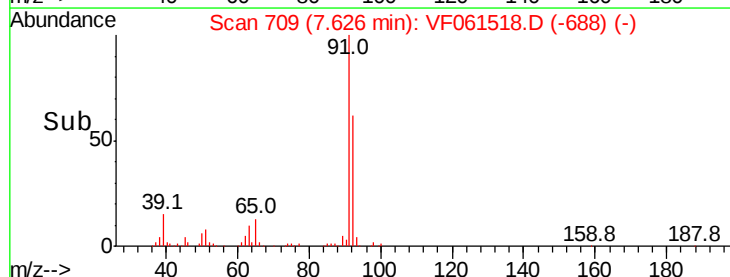
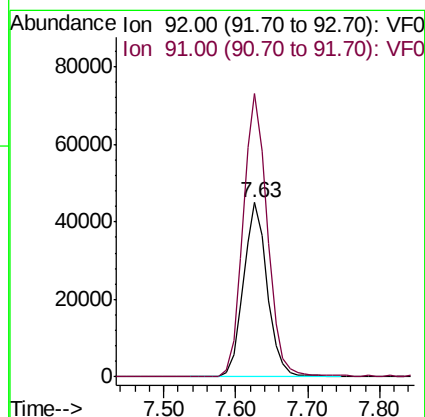
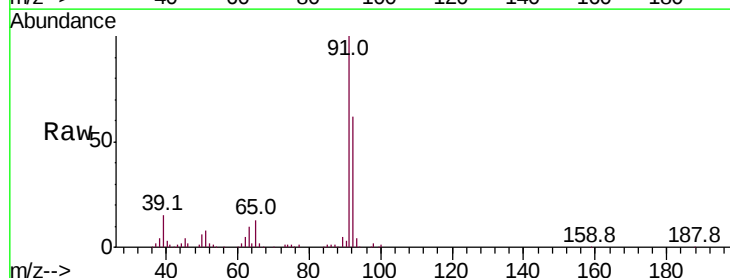
Acq: 25 Jan 2019 13:51

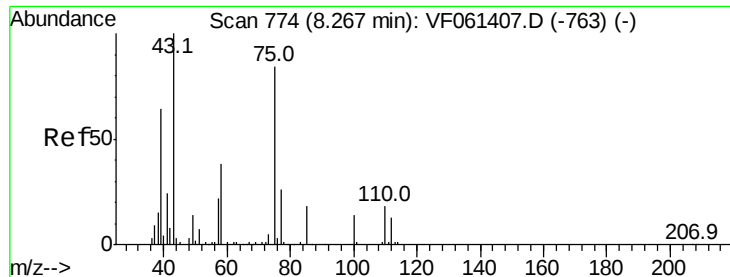
Tgt Ion: 92 Resp: 104341

Ion Ratio Lower Upper

92 100

91 162.5 131.2 196.8





#53

t-1,3-Dichloropropene

Concen: 19.109 ug/l

RT: 8.28 min Scan# 775

Delta R.T. 0.01 min

Lab File: VF061518.D

Acq: 25 Jan 2019 13:51

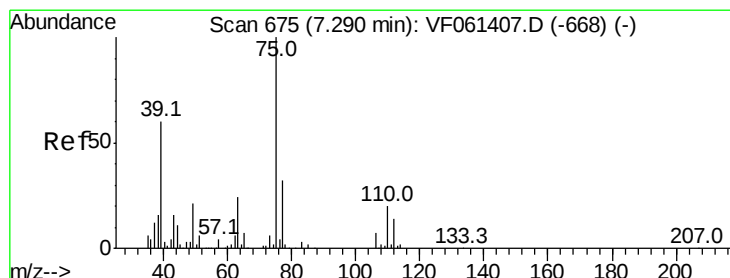
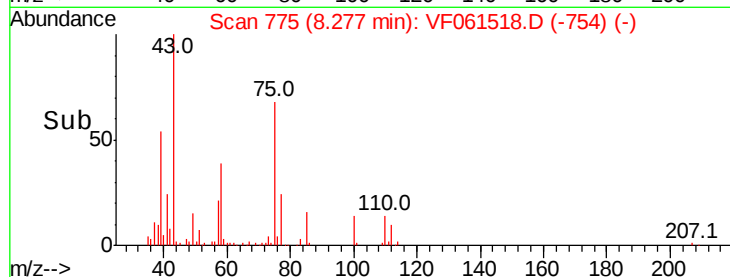
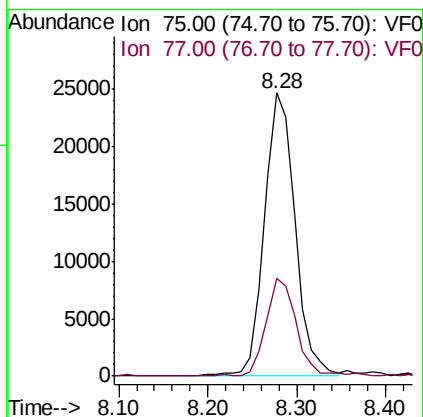
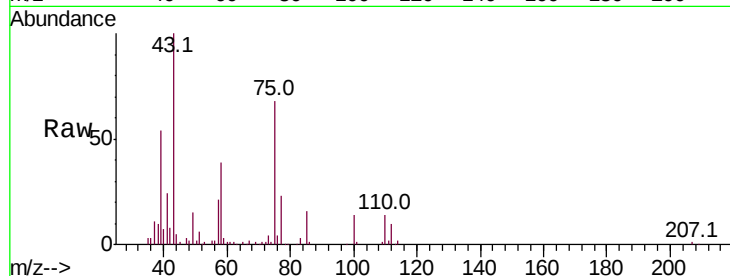
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 75 Resp: 58768

Ion Ratio Lower Upper

75 100

77 34.6 24.4 36.6



#54

cis-1,3-Dichloropropene

Concen: 20.811 ug/l

RT: 7.30 min Scan# 676

Delta R.T. 0.01 min

Lab File: VF061518.D

Acq: 25 Jan 2019 13:51

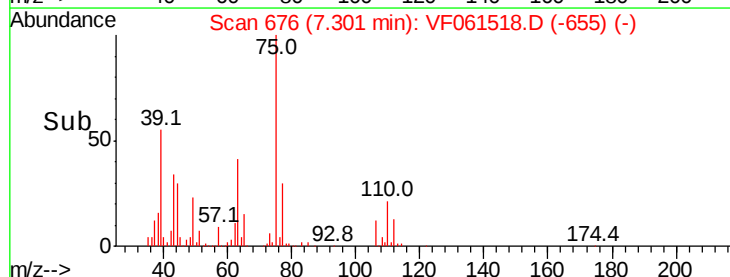
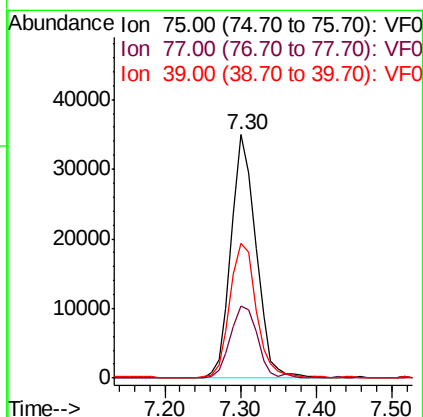
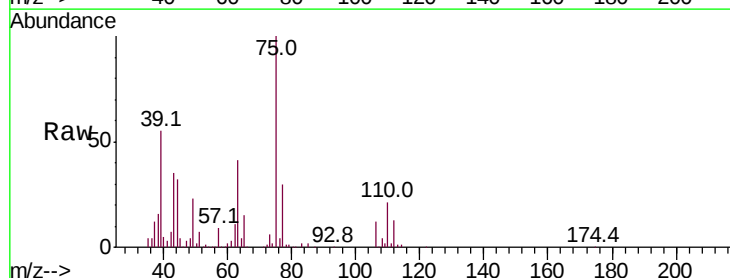
Tgt Ion: 75 Resp: 79998

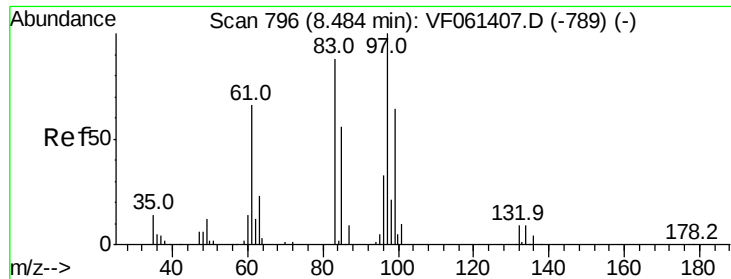
Ion Ratio Lower Upper

75 100

77 29.6 25.4 38.0

39 55.2 47.8 71.8





#55

1,1,2-Trichloroethane

Concen: 19.969 ug/l

RT: 8.49 min Scan# 797

Delta R.T. 0.01 min

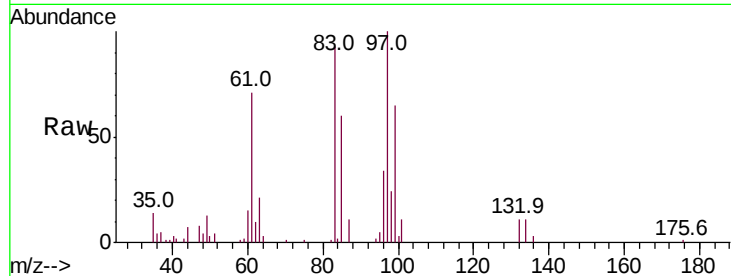
Lab File: VF061518.D

Acq: 25 Jan 2019 13:51

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 97 Resp: 33495

Ion	Ratio	Lower	Upper
97	100		
83	93.0	70.4	105.6
85	60.1	44.7	67.1
99	65.0	50.8	76.2

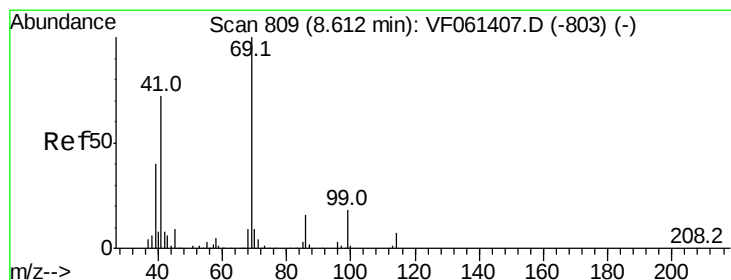
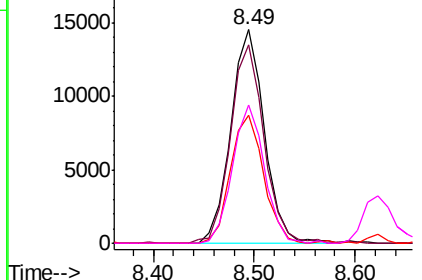
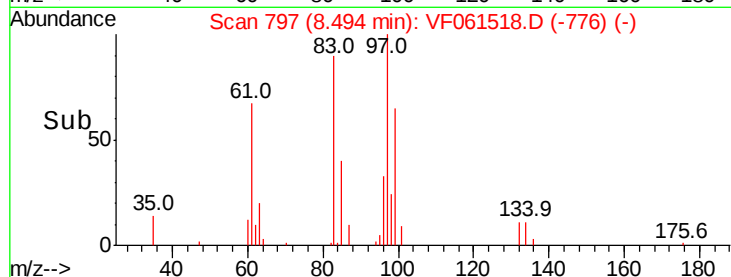


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 18.346 ug/l

RT: 8.62 min Scan# 810

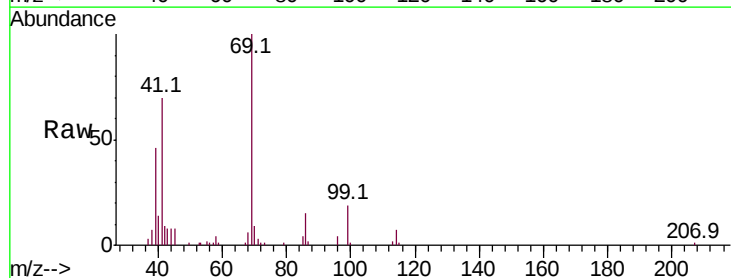
Delta R.T. 0.01 min

Lab File: VF061518.D

Acq: 25 Jan 2019 13:51

Tgt Ion: 69 Resp: 35803

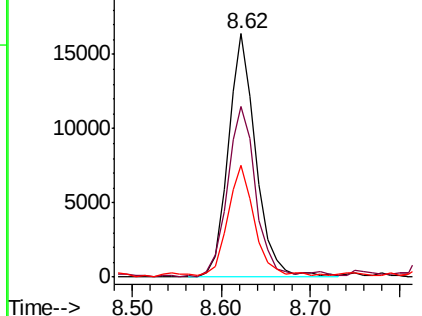
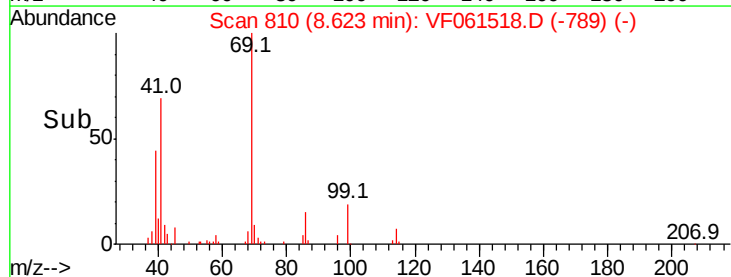
Ion	Ratio	Lower	Upper
69	100		
41	70.0	57.5	86.3
39	45.7	32.0	48.0

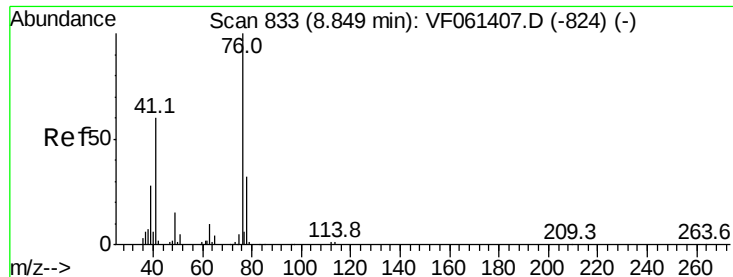


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 18.374 ug/l

RT: 8.86 min Scan# 834

Delta R.T. 0.01 min

Lab File: VF061518.D

Acq: 25 Jan 2019 13:51

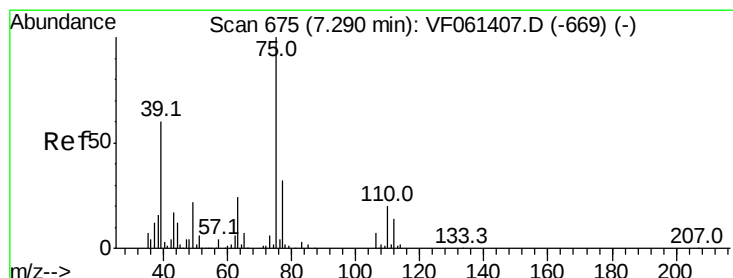
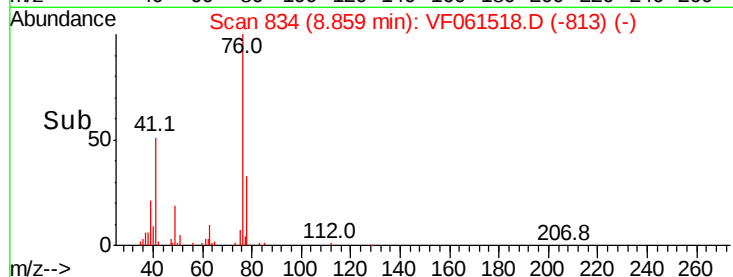
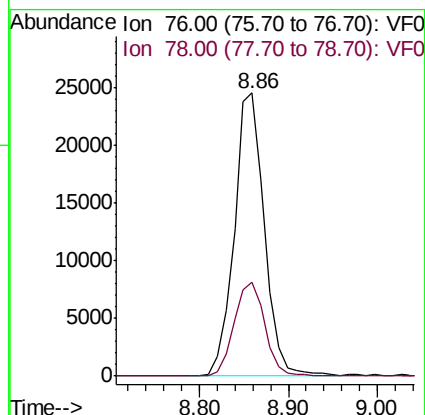
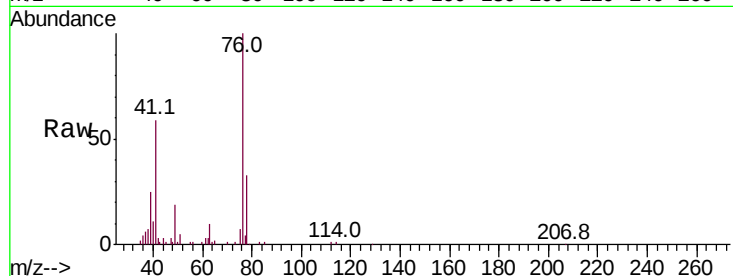
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 76 Resp: 57769

Ion Ratio Lower Upper

76 100

78 33.1 25.3 37.9



#58

2-Chloroethyl Vinyl ether

Concen: 176.555 ug/l

RT: 7.30 min Scan# 676

Delta R.T. 0.01 min

Lab File: VF061518.D

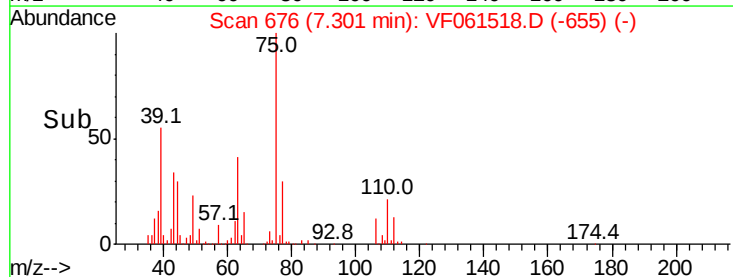
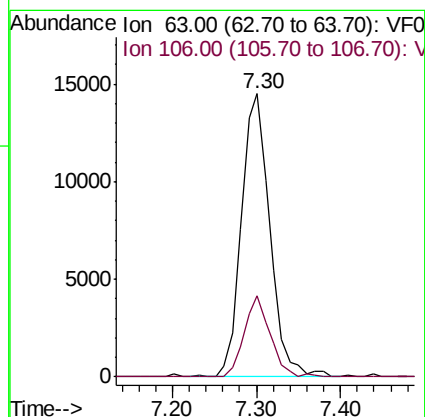
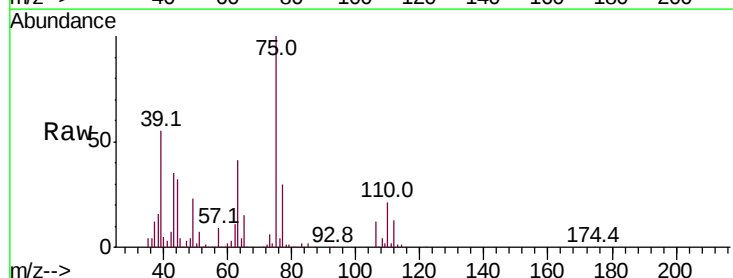
Acq: 25 Jan 2019 13:51

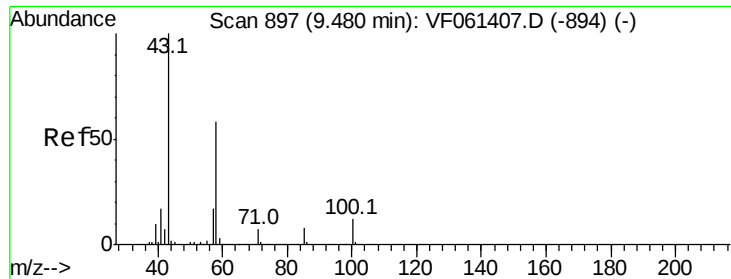
Tgt Ion: 63 Resp: 34271

Ion Ratio Lower Upper

63 100

106 28.6 21.9 32.9





#59

2-Hexanone

Concen: 119.531 ug/l

RT: 9.49 min Scan# 898

Delta R.T. 0.01 min

Lab File: VF061518.D

Acq: 25 Jan 2019 13:51

Instrument :

MSVOA_F

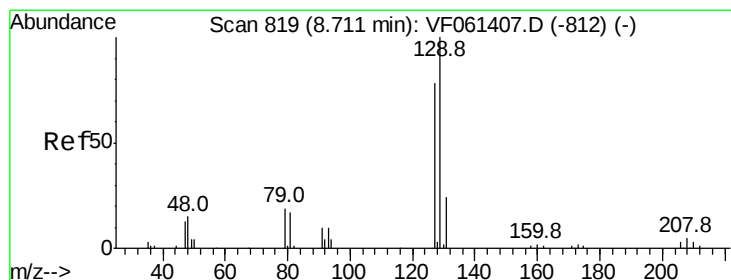
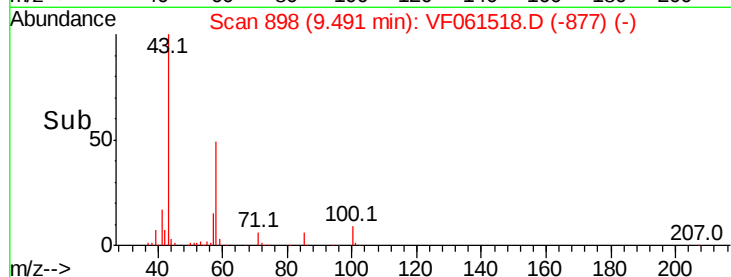
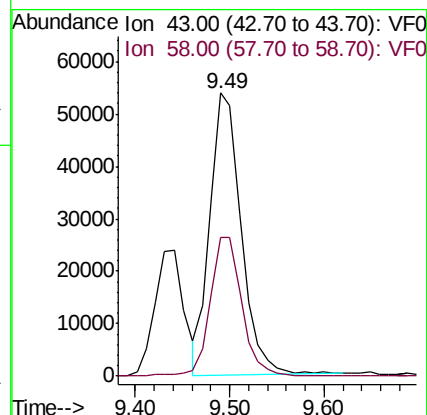
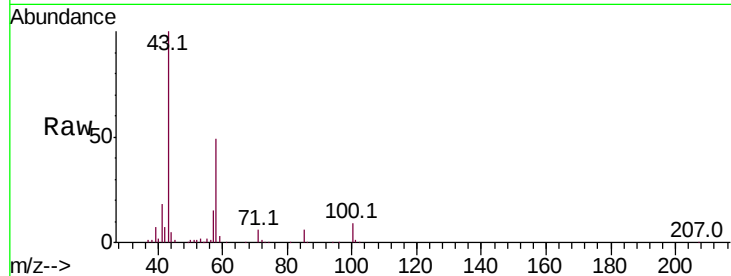
ClientSampleId :

Tot Ion: 43 Resp: 123920

Ion Ratio Lower Upper

43 100

58 48.9 25.9 77.6



#60

Dibromochloromethane

Concen: 18.354 ug/l

RT: 8.72 min Scan# 820

Delta R.T. 0.01 min

Lab File: VF061518.D

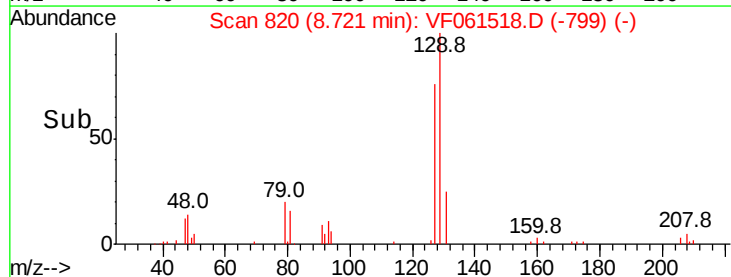
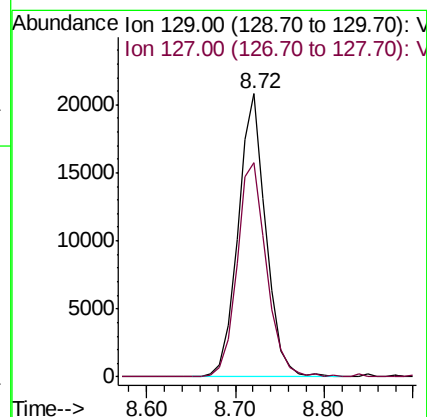
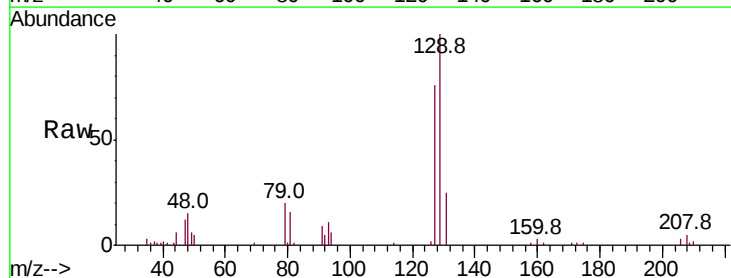
Acq: 25 Jan 2019 13:51

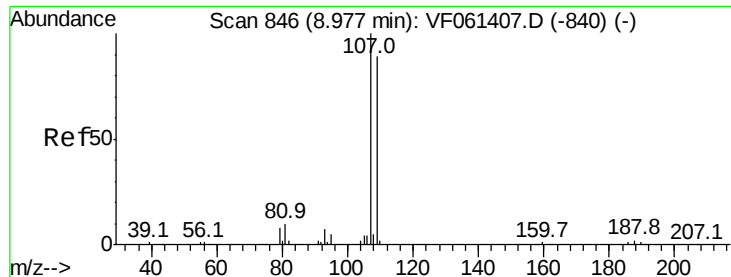
Tgt Ion:129 Resp: 45009

Ion Ratio Lower Upper

129 100

127 75.7 39.1 117.2





#61

1,2-Dibromoethane

Concen: 19.042 ug/l

RT: 8.99 min Scan# 847

Delta R.T. 0.01 min

Lab File: VF061518.D

Acq: 25 Jan 2019 13:51

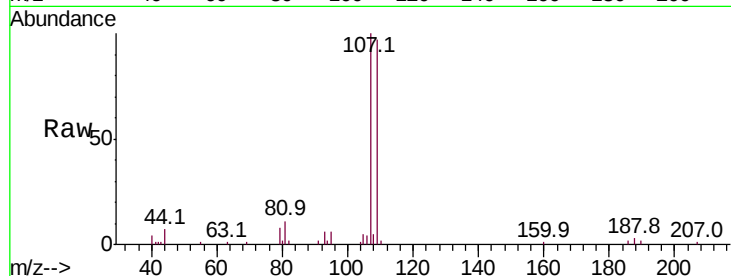
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:107 Resp: 36565

Ion Ratio Lower Upper

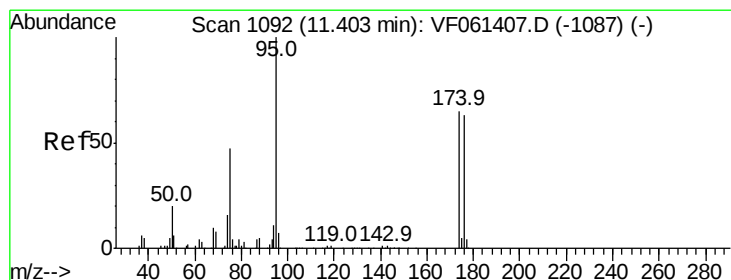
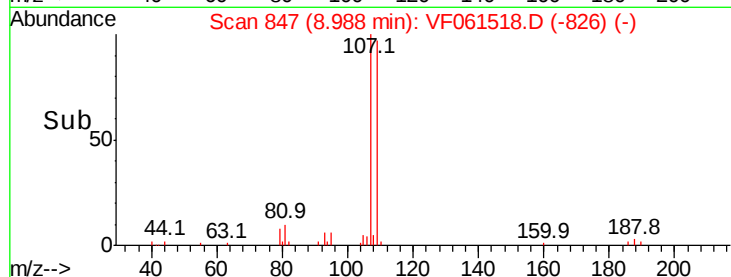
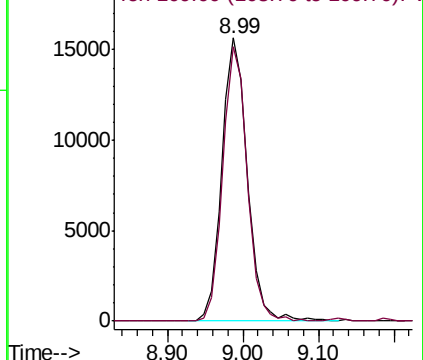
107 100

109 97.1 70.8 106.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 44.202 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. 0.01 min

Lab File: VF061518.D

Acq: 25 Jan 2019 13:51

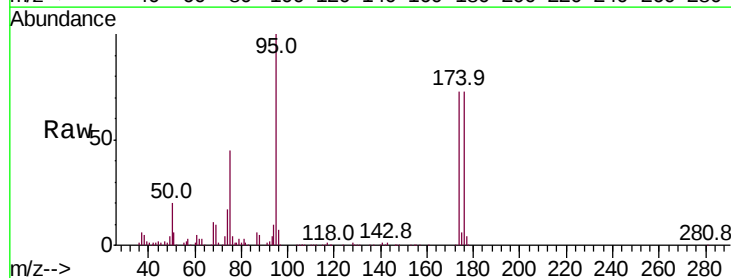
Tgt Ion: 95 Resp: 155229

Ion Ratio Lower Upper

95 100

174 73.3 0.0 130.4

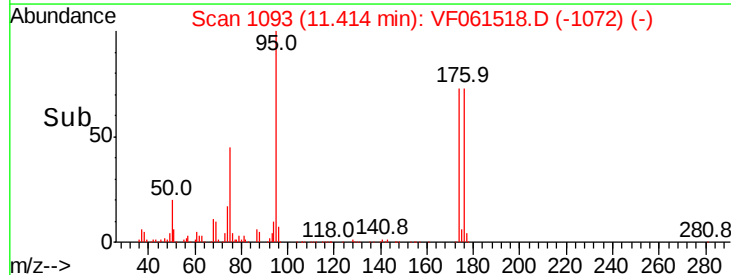
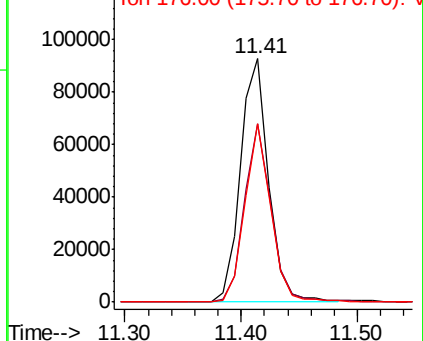
176 73.1 0.0 126.2

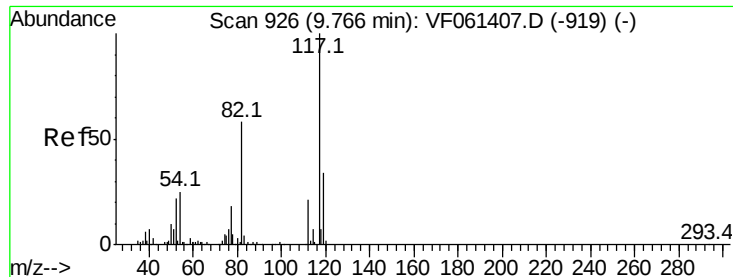


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.78 min Scan# 927

Delta R.T. 0.01 min

Lab File: VF061518.D

Acq: 25 Jan 2019 13:51

Instrument :

MSVOA_F

ClientSampleId :

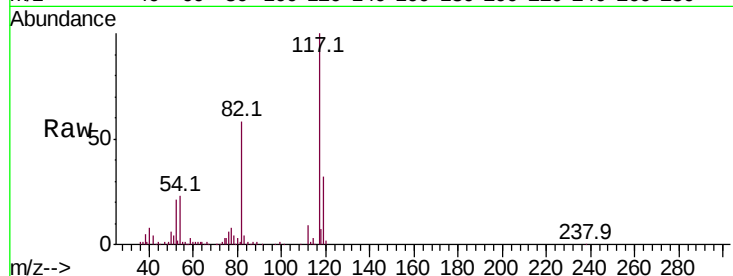
Tot Ion:117 Resp: 314377

Ion Ratio Lower Upper

117 100

82 57.5 46.4 69.6

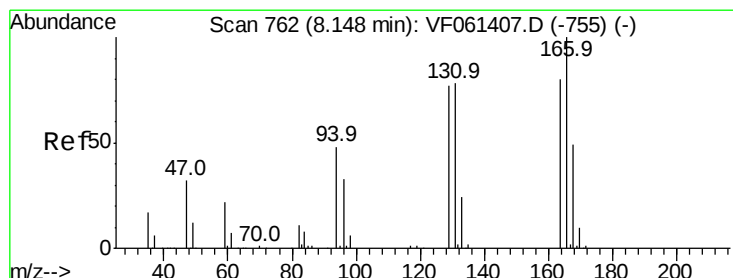
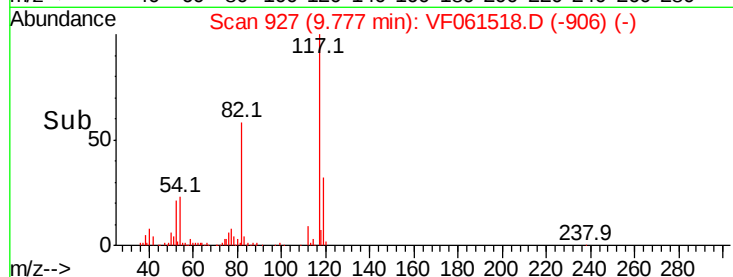
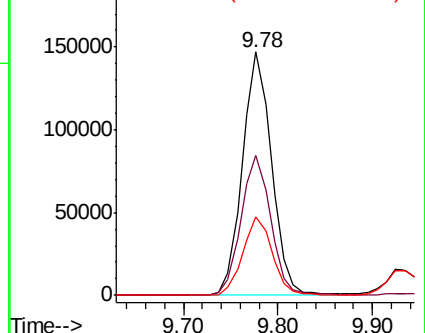
119 32.0 27.2 40.8



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: 18.700 ug/l

RT: 8.16 min Scan# 763

Delta R.T. 0.01 min

Lab File: VF061518.D

Acq: 25 Jan 2019 13:51

Tgt Ion:164 Resp: 44209

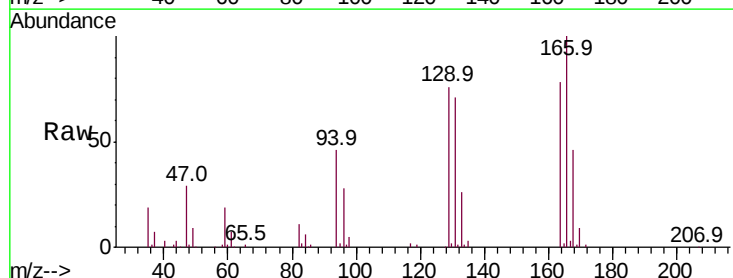
Ion Ratio Lower Upper

164 100

166 127.4 99.6 149.4

129 96.6 76.4 114.6

131 90.6 77.9 116.9

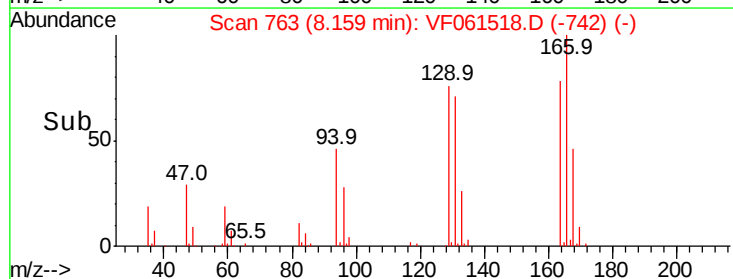
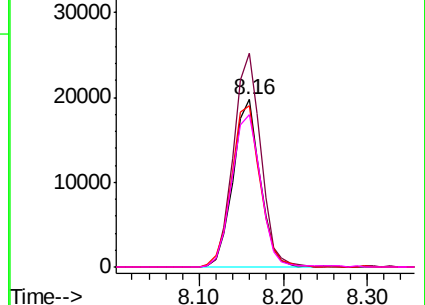


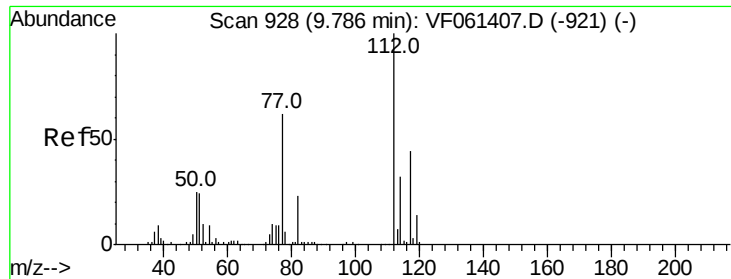
Abundance Ion 163.85 (163.55 to 164.55): V

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

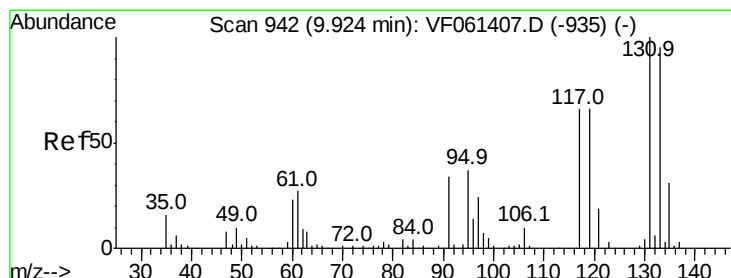
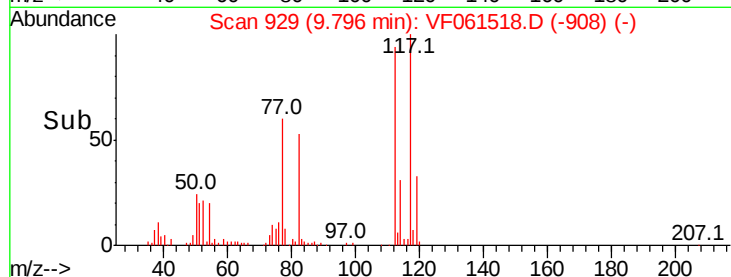
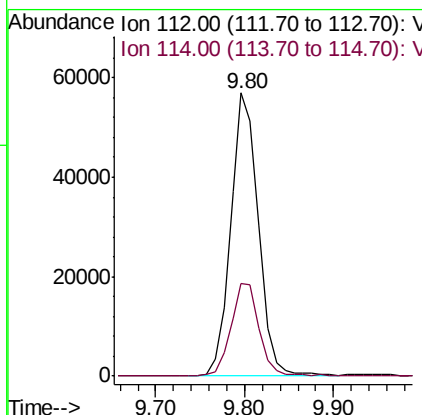
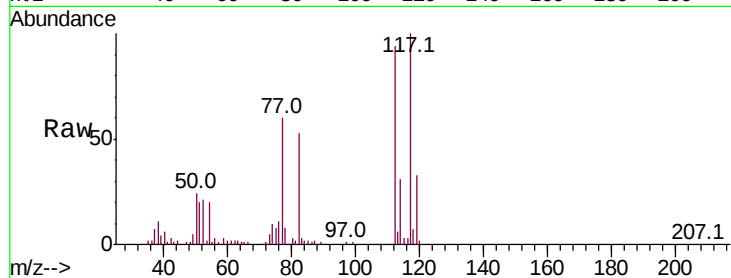




#65
Chlorobenzene
Concen: 19.394 ug/l
RT: 9.80 min Scan# 929
Delta R.T. 0.01 min
Lab File: VF061518.D
Acq: 25 Jan 2019 13:51

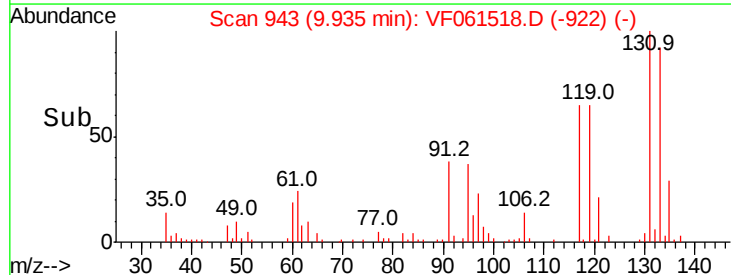
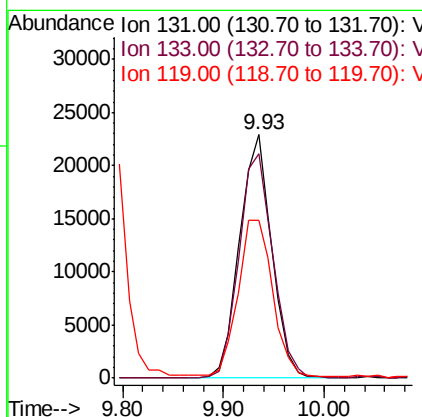
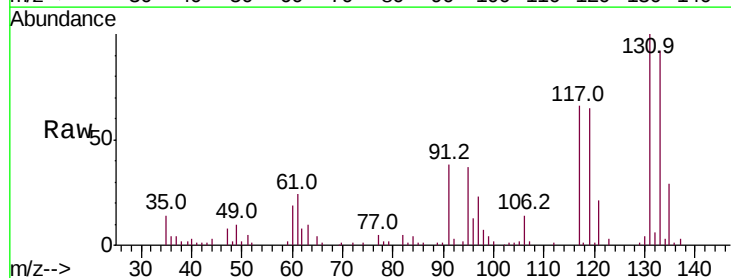
Instrument :
MSVOA_F
ClientSampleId :

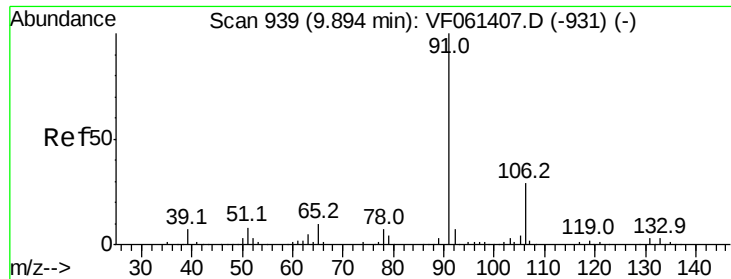
Tot Ion:112 Resp: 123986
Ion Ratio Lower Upper
112 100
114 32.9 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 19.940 ug/l
RT: 9.93 min Scan# 943
Delta R.T. 0.01 min
Lab File: VF061518.D
Acq: 25 Jan 2019 13:51

Tgt Ion:131 Resp: 50782
Ion Ratio Lower Upper
131 100
133 92.4 47.4 142.2
119 64.9 33.1 99.3





#67

Ethyl Benzene

Concen: 19.794 ug/l

RT: 9.90 min Scan# 940

Delta R.T. 0.01 min

Lab File: VF061518.D

Acq: 25 Jan 2019 13:51

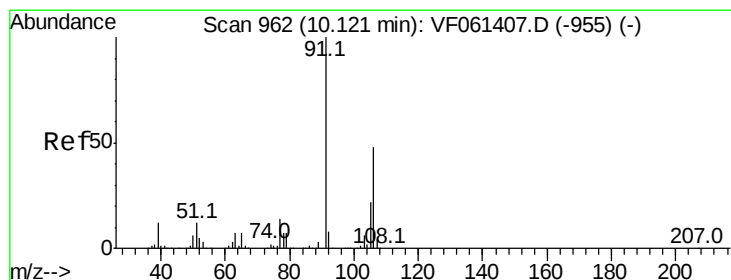
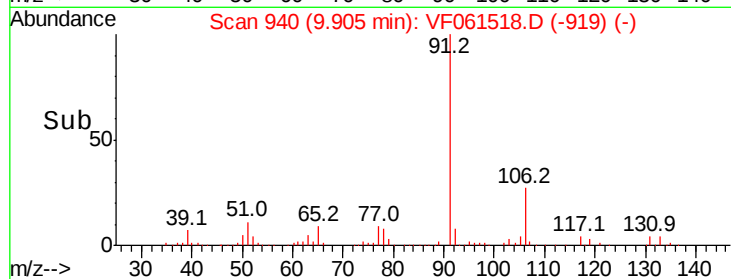
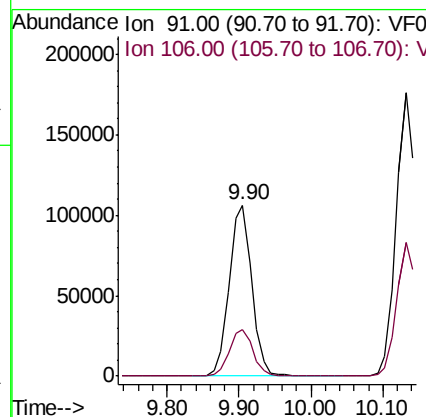
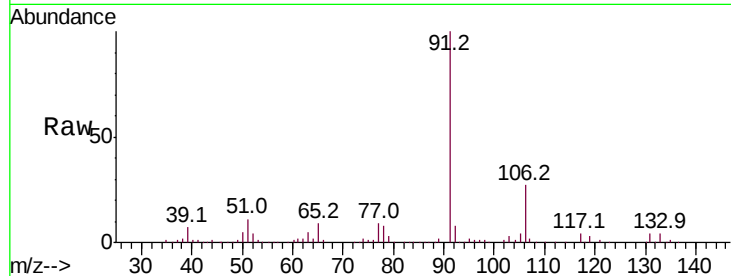
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 91 Resp: 231203

Ion Ratio Lower Upper

91 100

106 27.5 23.1 34.7



#68

m/p-Xylenes

Concen: 40.031 ug/l

RT: 10.13 min Scan# 963

Delta R.T. 0.01 min

Lab File: VF061518.D

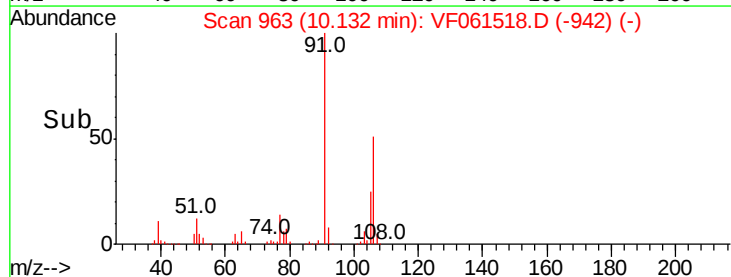
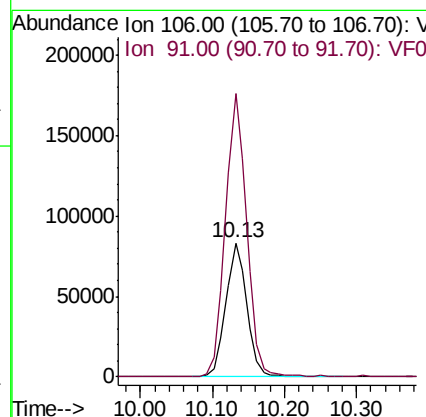
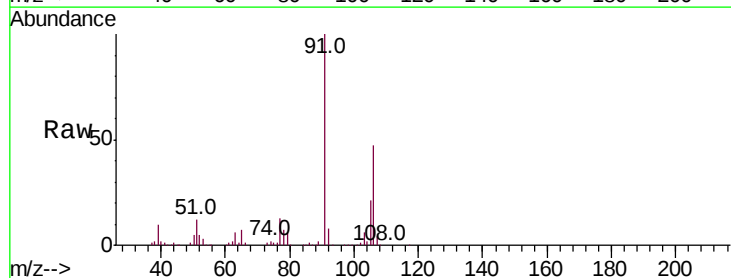
Acq: 25 Jan 2019 13:51

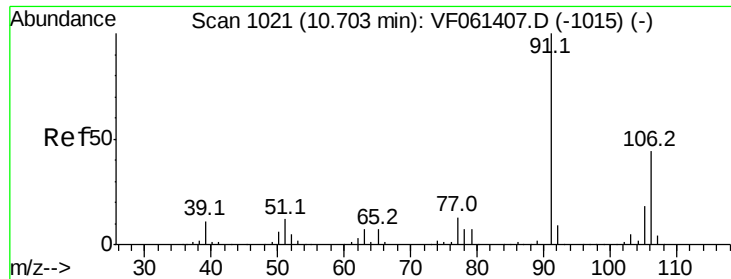
Tgt Ion:106 Resp: 168173

Ion Ratio Lower Upper

106 100

91 211.6 166.2 249.4

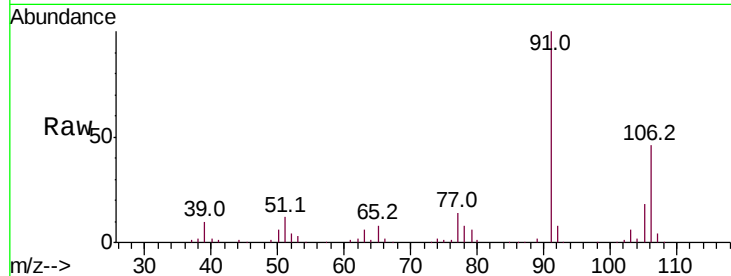




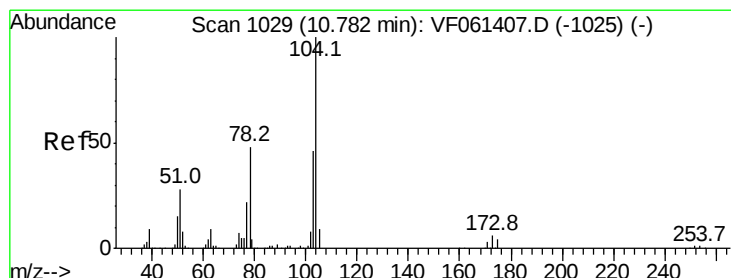
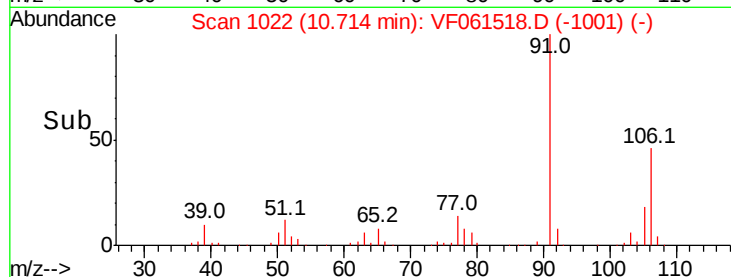
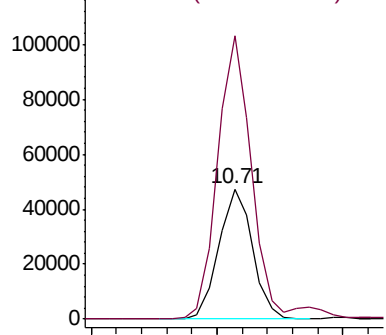
#69
o-Xylene
Concen: 19.367 ug/l
RT: 10.71 min Scan# 1022
Delta R.T. 0.01 min
Lab File: VF061518.D
Acq: 25 Jan 2019 13:51

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:106 Resp: 88183
Ion Ratio Lower Upper
106 100
91 217.3 113.3 339.8

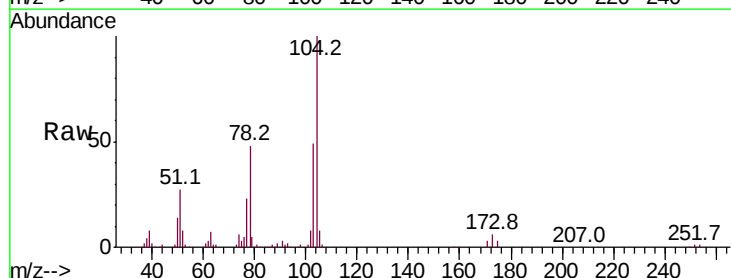


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VF0

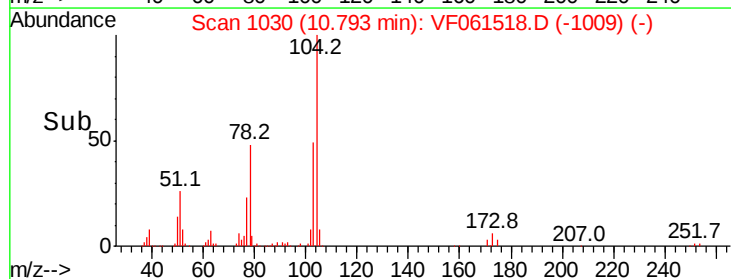
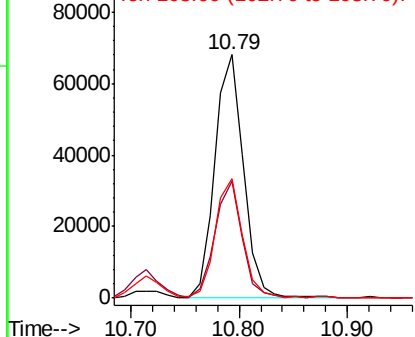


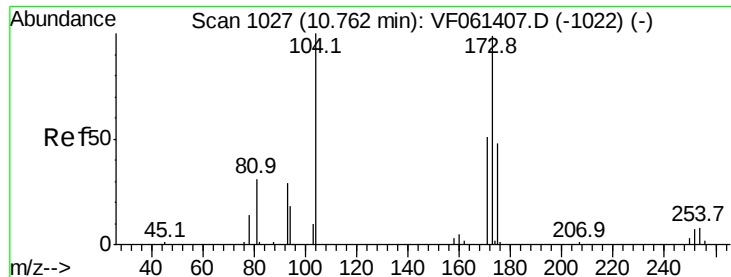
#70
Styrene
Concen: 19.960 ug/l
RT: 10.79 min Scan# 1030
Delta R.T. 0.01 min
Lab File: VF061518.D
Acq: 25 Jan 2019 13:51

Tgt Ion:104 Resp: 124401
Ion Ratio Lower Upper
104 100
78 47.8 38.8 58.2
103 48.9 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: 20.153 ug/l

RT: 10.77 min Scan# 1028

Delta R.T. 0.01 min

Lab File: VF061518.D

Acq: 25 Jan 2019 13:51

Instrument :

MSVOA_F

ClientSampleId :

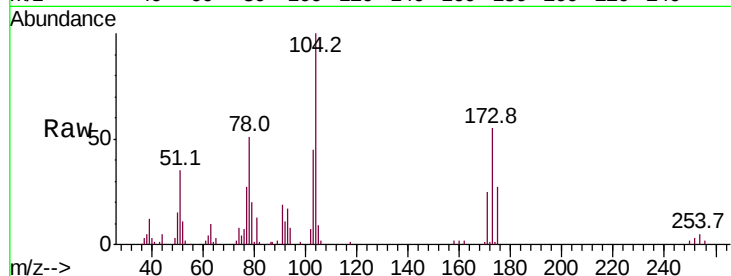
Tot Ion:173 Resp: 23061

Ion Ratio Lower Upper

173 100

175 49.6 24.1 72.4

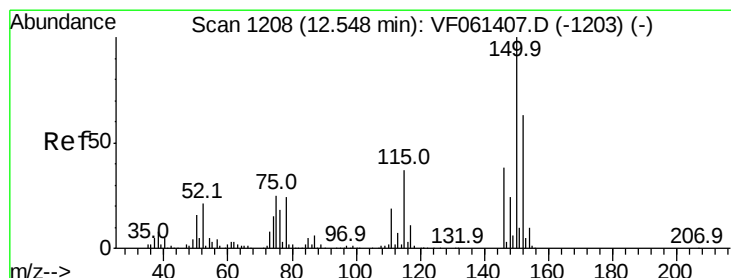
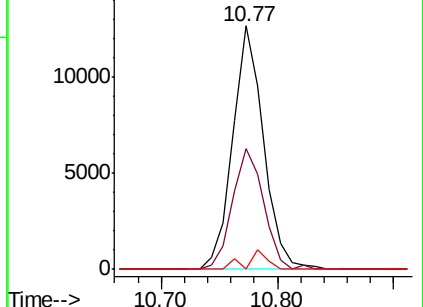
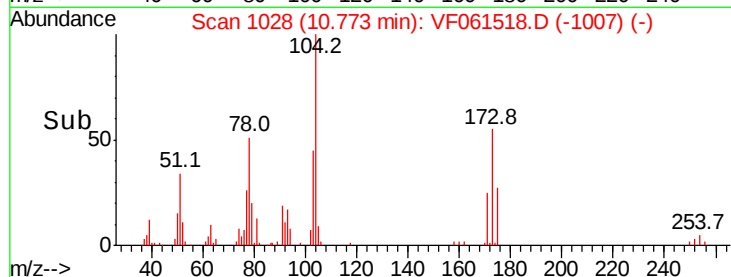
254 0.0 0.0 0.0



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: VF061518.D

Acq: 25 Jan 2019 13:51

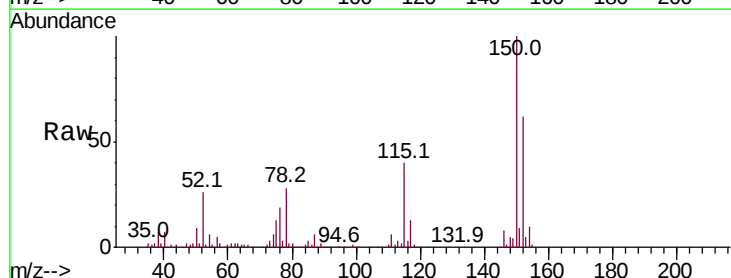
Tgt Ion:152 Resp: 159059

Ion Ratio Lower Upper

152 100

115 64.3 30.0 90.0

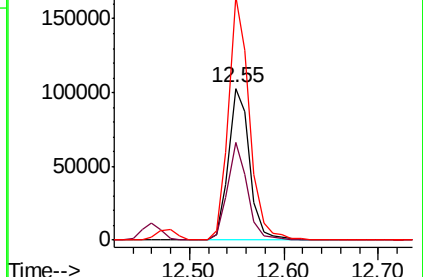
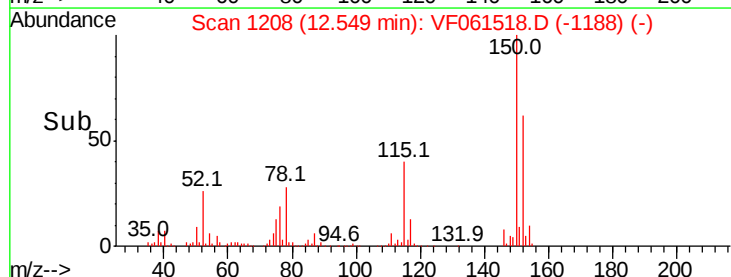
150 160.6 0.0 321.4

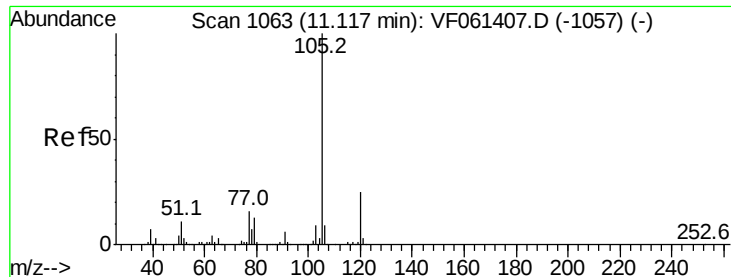


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 20.533 ug/l

RT: 11.13 min Scan# 1064

Delta R.T. 0.01 min

Lab File: VF061518.D

Acq: 25 Jan 2019 13:51

Instrument :

MSVOA_F

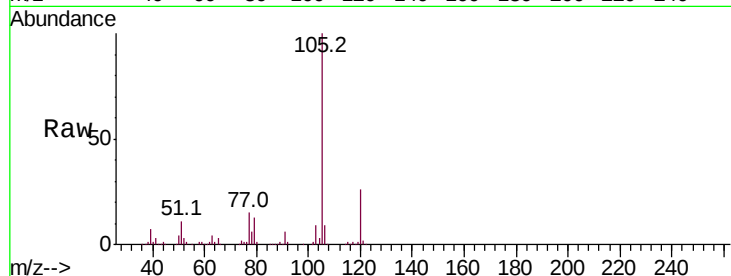
ClientSampleId :

Tot Ion:105 Resp: 265627

Ion Ratio Lower Upper

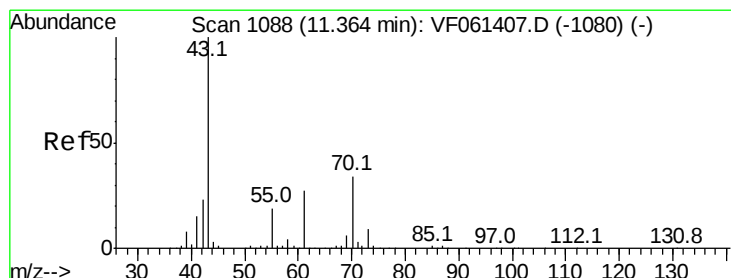
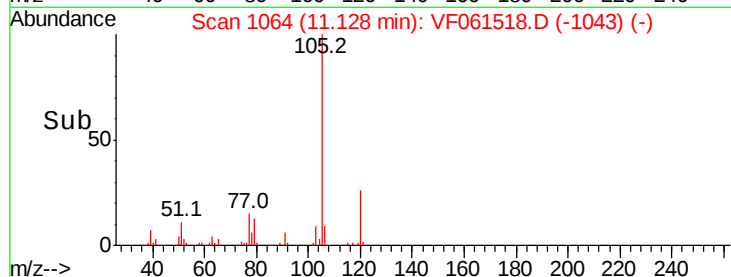
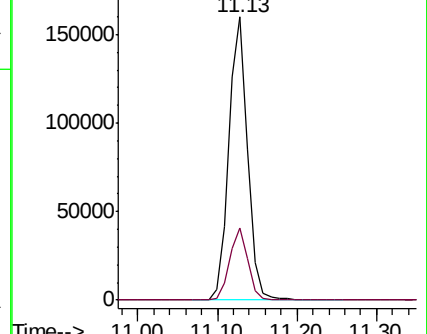
105 100

120 25.7 12.6 37.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 24.547 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. 0.01 min

Lab File: VF061518.D

Acq: 25 Jan 2019 13:51

Tgt Ion: 43 Resp: 75089

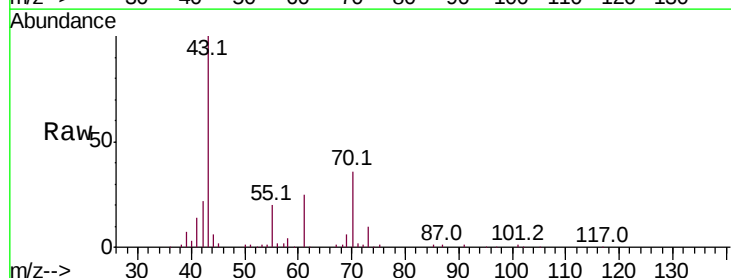
Ion Ratio Lower Upper

43 100

70 36.2 27.6 41.4

55 19.5 15.4 23.2

61 24.7 21.8 32.6

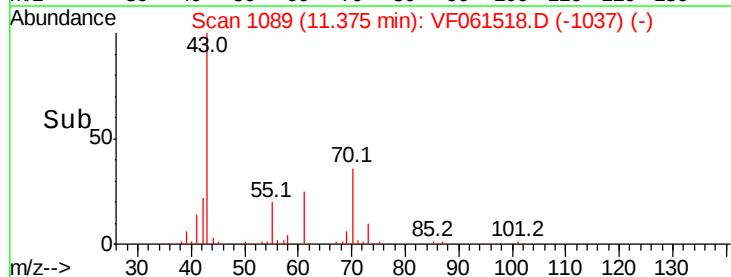
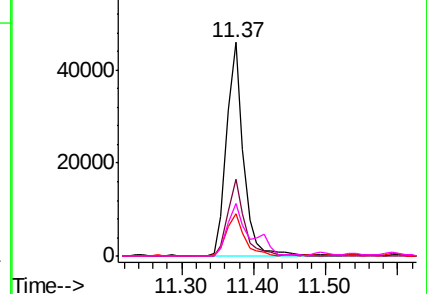


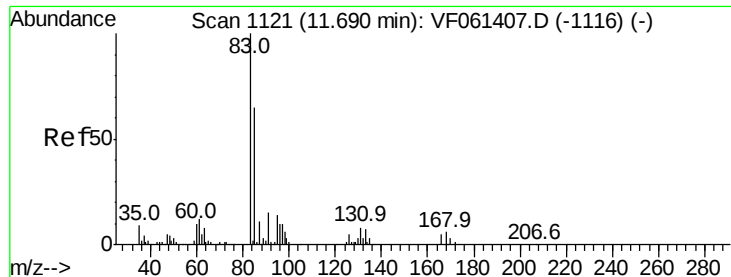
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.623 ug/l

RT: 11.70 min Scan# 1122

Delta R.T. 0.01 min

Lab File: VF061518.D

Acq: 25 Jan 2019 13:51

Instrument :

MSVOA_F

ClientSampleId :

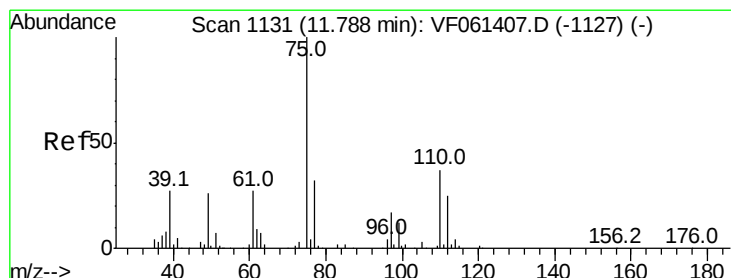
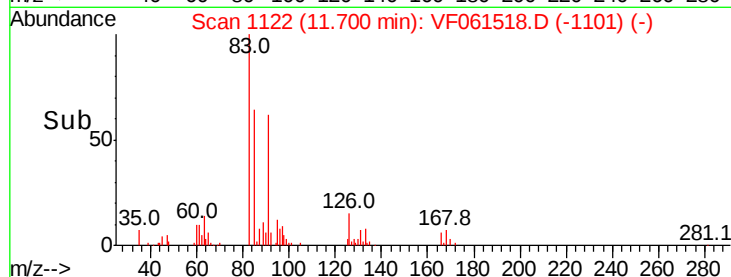
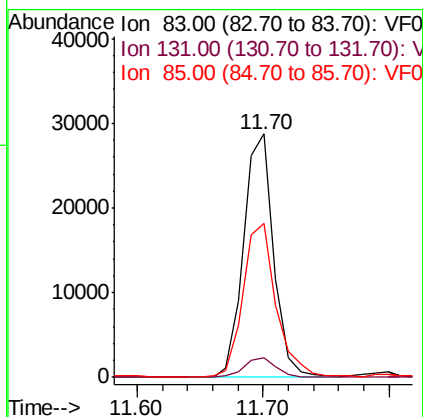
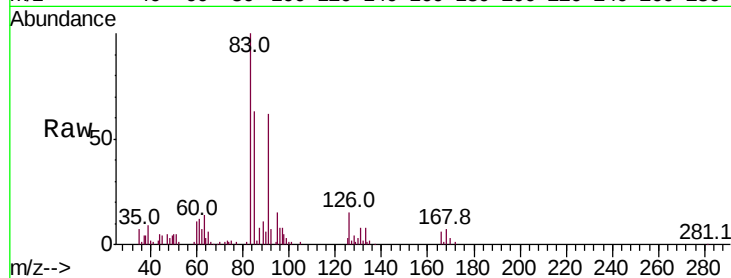
Tot Ion: 83 Resp: 47529

Ion Ratio Lower Upper

83 100

131 7.8 4.0 12.2

85 63.4 32.7 98.1



#76

1,2,3-Trichloropropane

Concen: 21.247 ug/l

RT: 11.80 min Scan# 1132

Delta R.T. 0.01 min

Lab File: VF061518.D

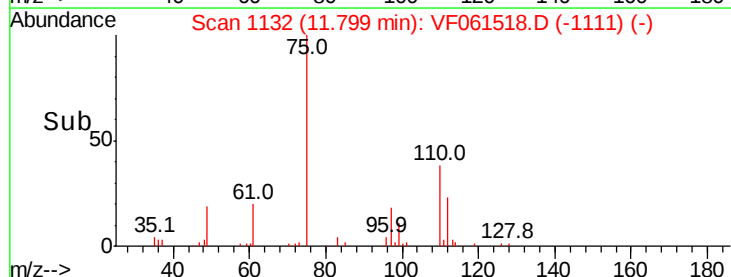
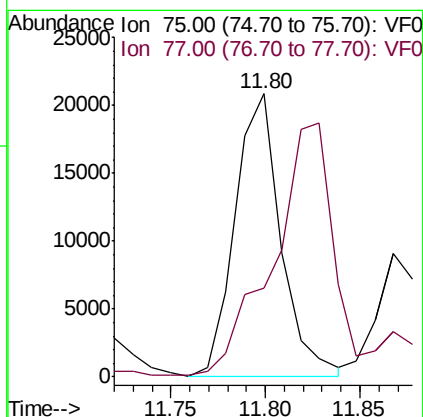
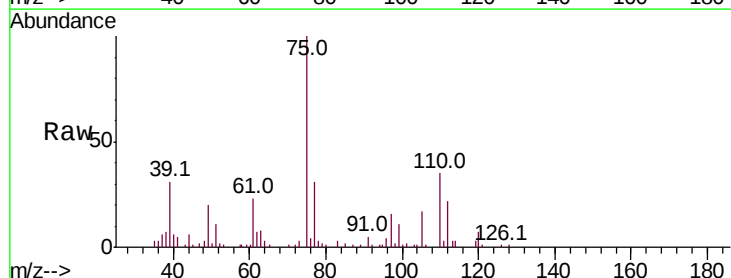
Acq: 25 Jan 2019 13:51

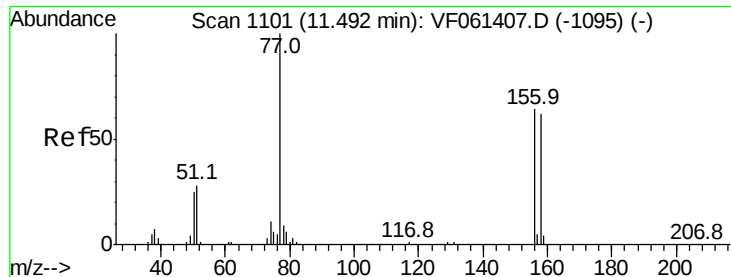
Tgt Ion: 75 Resp: 35185

Ion Ratio Lower Upper

75 100

77 31.4 16.1 48.3





#77

Bromobenzene

Concen: 19.532 ug/l

RT: 11.49 min Scan# 1101

Delta R.T. 0.00 min

Lab File: VF061518.D

Acq: 25 Jan 2019 13:51

Instrument :

MSVOA_F

ClientSampled :

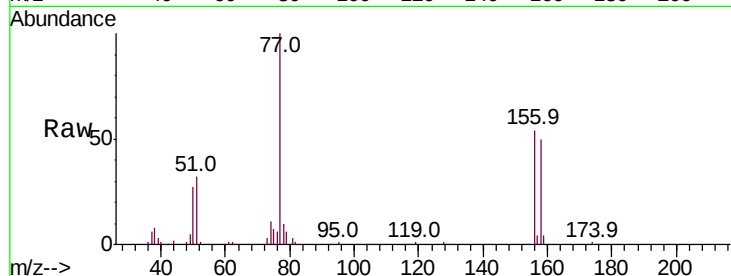
Tot Ion:156 Resp: 53362

Ion Ratio Lower Upper

156 100

77 185.5 78.3 234.9

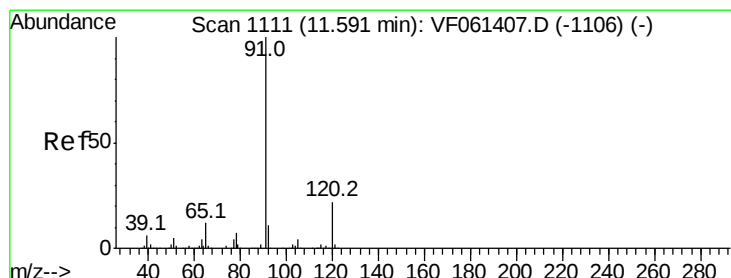
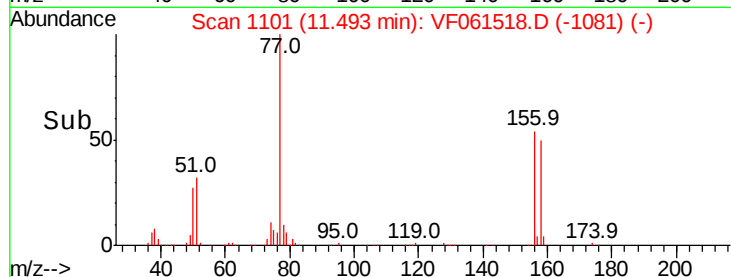
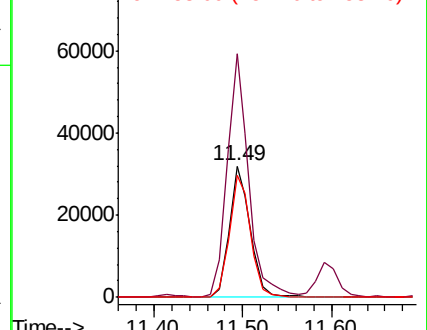
158 93.2 48.9 146.7



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: 18.775 ug/l

RT: 11.59 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VF061518.D

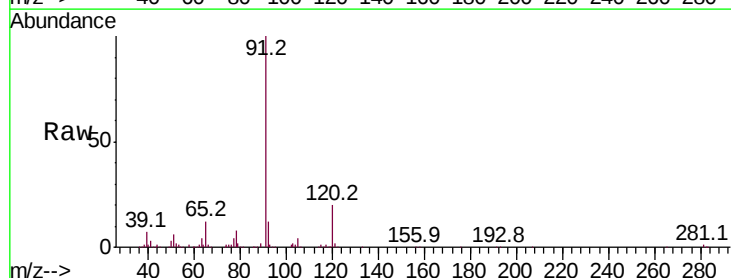
Acq: 25 Jan 2019 13:51

Tgt Ion: 91 Resp: 317170

Ion Ratio Lower Upper

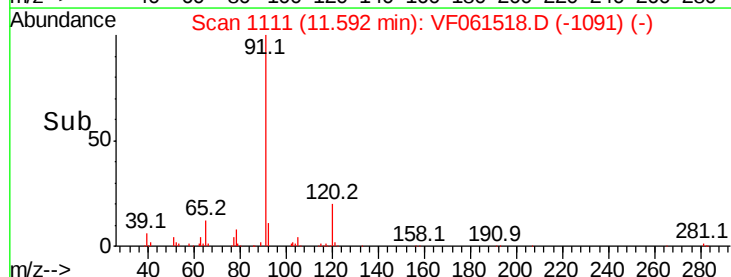
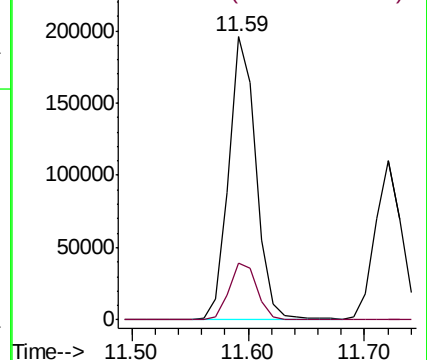
91 100

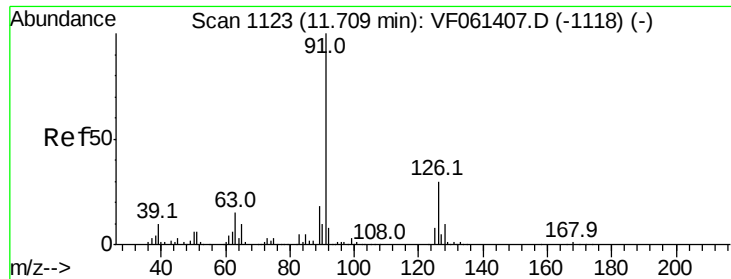
120 20.0 10.9 32.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.185 ug/l

RT: 11.72 min Scan# 1124

Delta R.T. 0.01 min

Lab File: VF061518.D

Acq: 25 Jan 2019 13:51

Instrument :

MSVOA_F

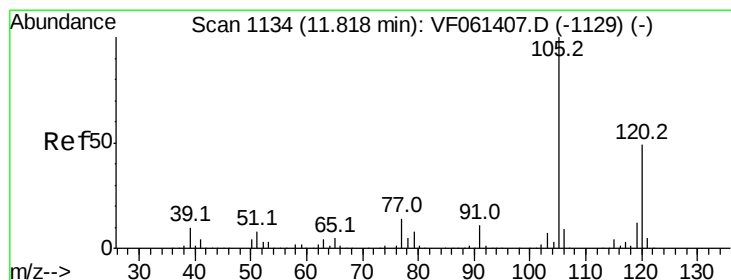
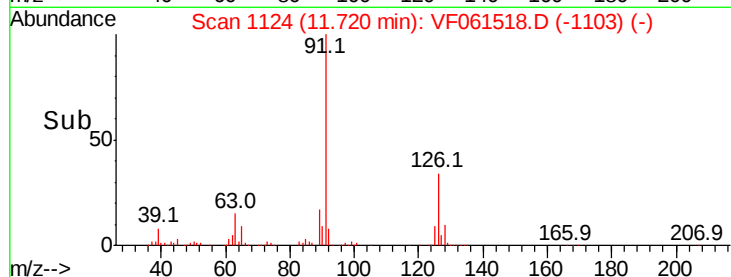
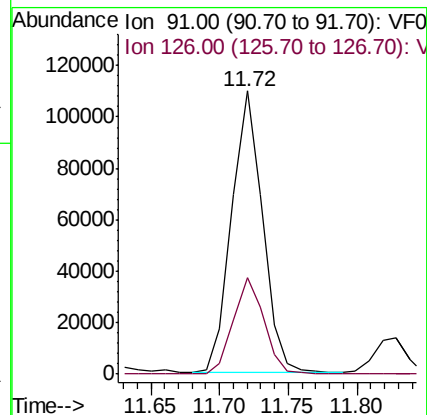
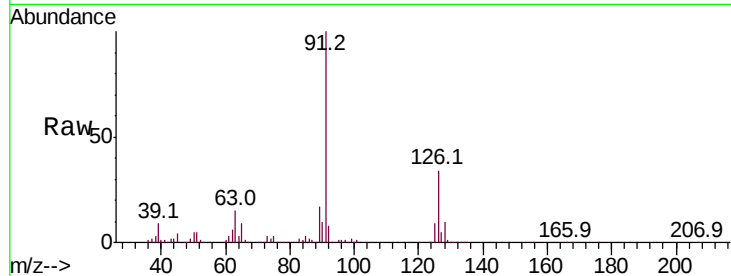
ClientSampleId :

Tot Ion: 91 Resp: 172198

Ion Ratio Lower Upper

91 100

126 33.9 15.0 45.1



#80

1,3,5-Trimethylbenzene

Concen: 20.714 ug/l

RT: 11.83 min Scan# 1135

Delta R.T. 0.01 min

Lab File: VF061518.D

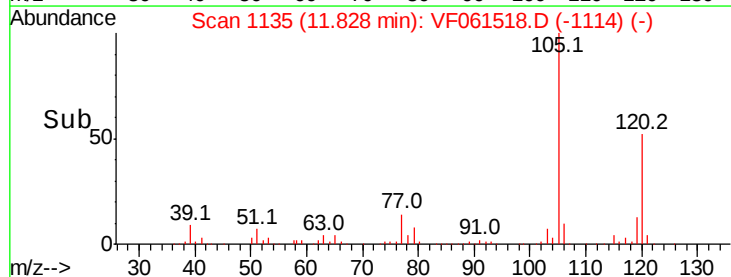
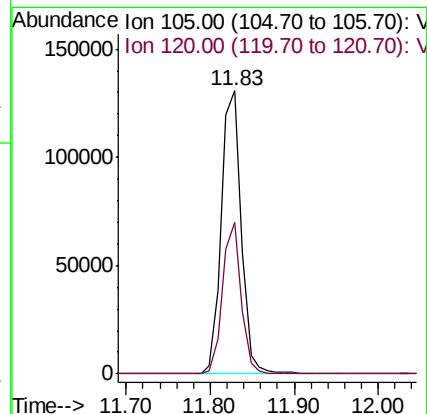
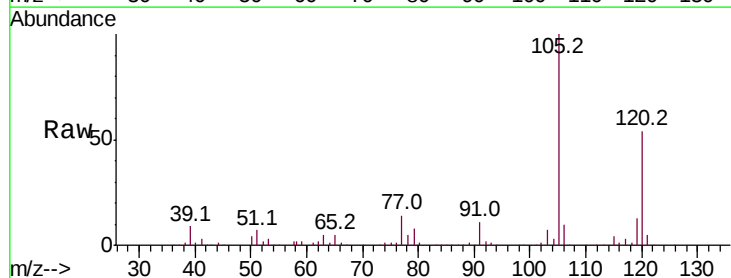
Acq: 25 Jan 2019 13:51

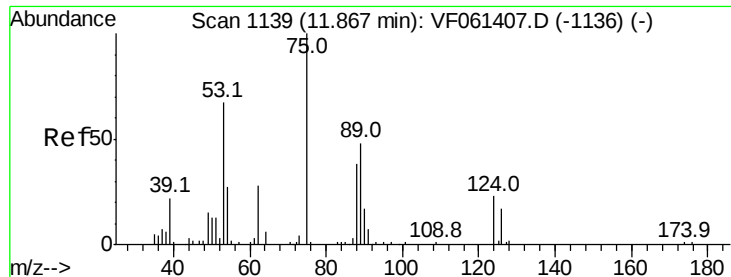
Tgt Ion: 105 Resp: 216254

Ion Ratio Lower Upper

105 100

120 53.5 24.7 74.1

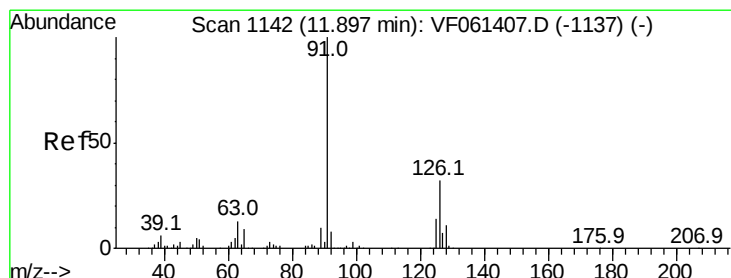
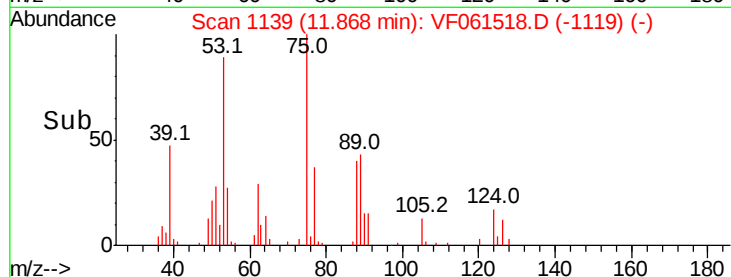
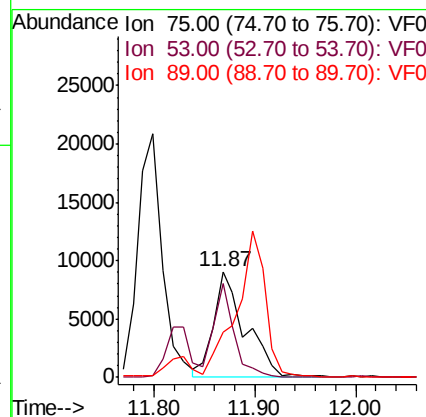
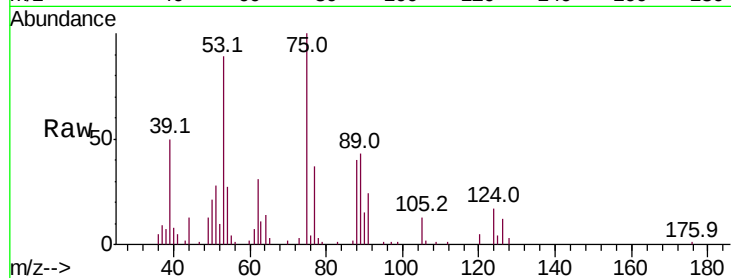




#81
trans-1,4-Dichloro-2-butene
Concen: 27.922 ug/l
RT: 11.87 min Scan# 1139
Delta R.T. 0.00 min
Lab File: VF061518.D
Acq: 25 Jan 2019 13:51

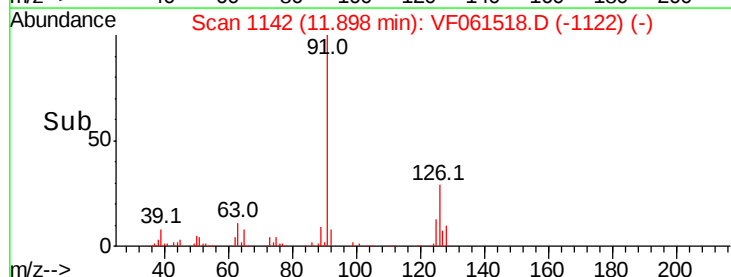
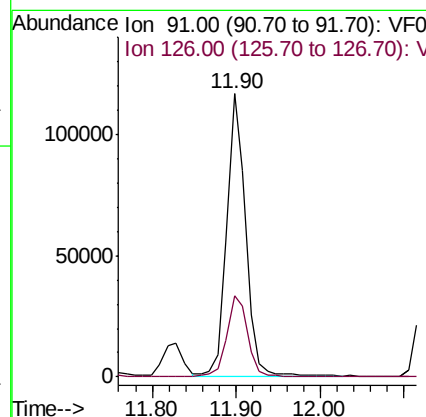
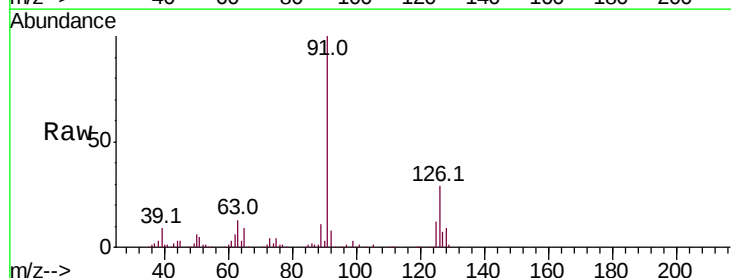
Instrument :
MSVOA_F
ClientSampled :

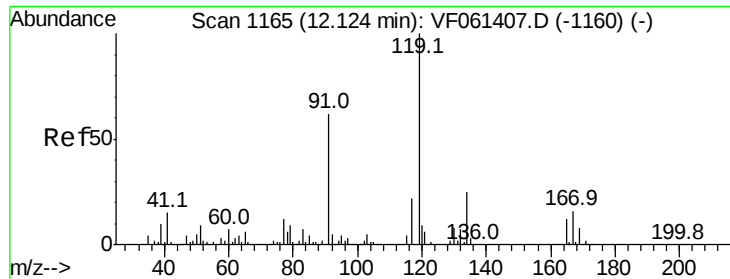
Tot Ion: 75 Resp: 20100
Ion Ratio Lower Upper
75 100
53 89.3 57.8 86.6#
89 42.8 40.7 61.1



#82
4-Chlorotoluene
Concen: 20.048 ug/l
RT: 11.90 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VF061518.D
Acq: 25 Jan 2019 13:51

Tgt Ion: 91 Resp: 181588
Ion Ratio Lower Upper
91 100
126 28.7 16.0 47.9

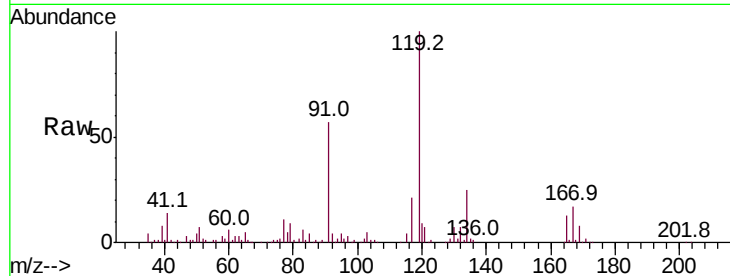




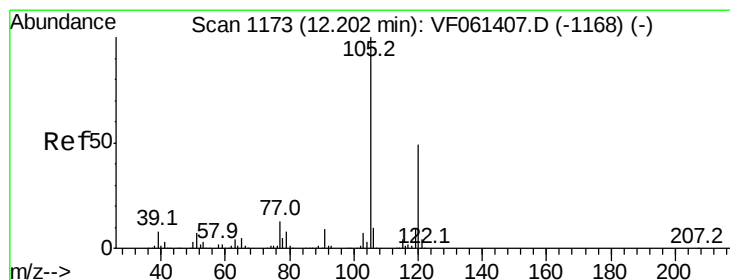
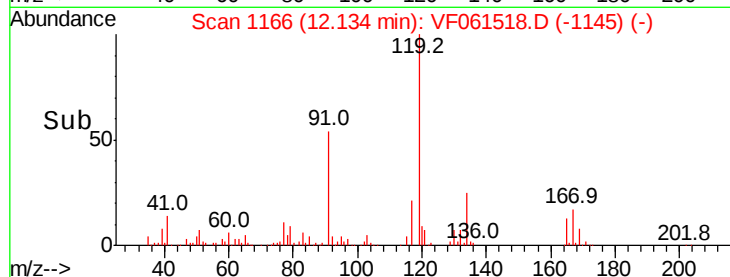
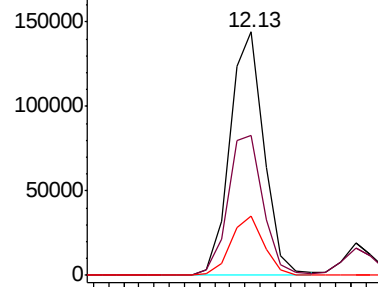
#83
tert-Butylbenzene
Concen: 20.974 ug/l
RT: 12.13 min Scan# 1166
Delta R.T. 0.01 min
Lab File: VF061518.D
Acq: 25 Jan 2019 13:51

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:119 Resp: 226640
Ion Ratio Lower Upper
119 100
91 57.2 31.3 93.8
134 24.5 12.4 37.0

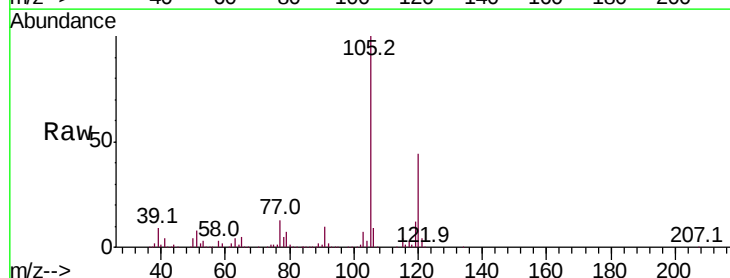


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VF0
Ion 134.00 (133.70 to 134.70): V

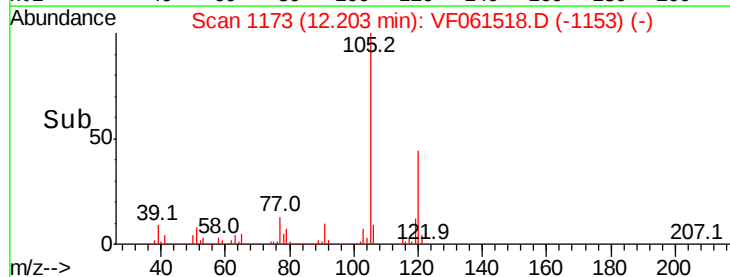
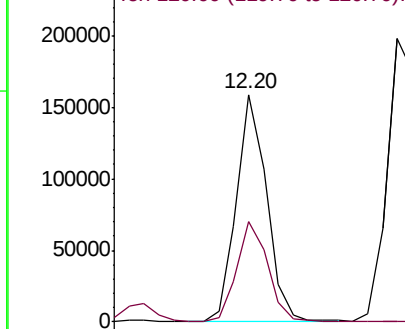


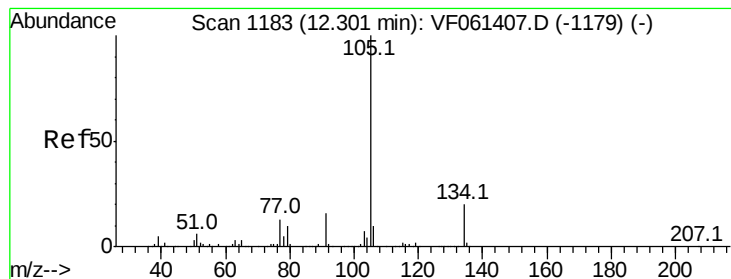
#84
1,2,4-Trimethylbenzene
Concen: 20.636 ug/l
RT: 12.20 min Scan# 1173
Delta R.T. 0.00 min
Lab File: VF061518.D
Acq: 25 Jan 2019 13:51

Tgt Ion:105 Resp: 221914
Ion Ratio Lower Upper
105 100
120 43.9 24.9 74.6



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





#85

sec-Butylbenzene

Concen: 20.868 ug/l

RT: 12.30 min Scan# 1183

Delta R.T. 0.00 min

Lab File: VF061518.D

Acq: 25 Jan 2019 13:51

Instrument :

MSVOA_F

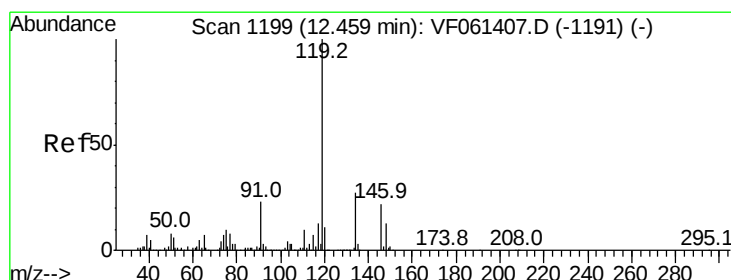
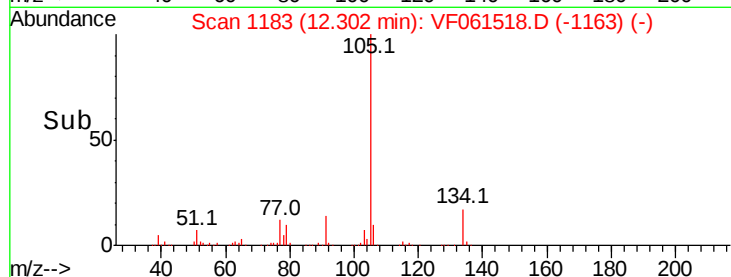
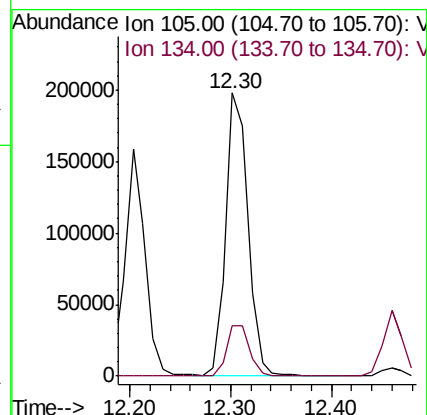
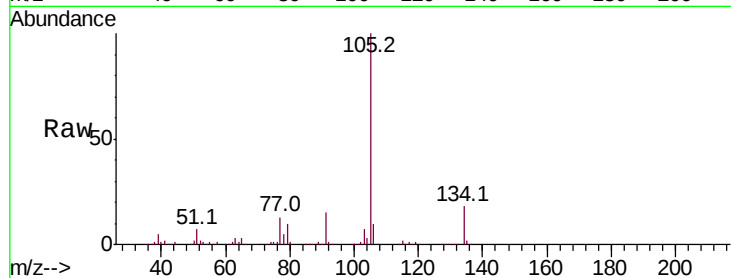
ClientSampleId :

Tot Ion:105 Resp: 306222

Ion Ratio Lower Upper

105 100

134 17.6 10.0 30.0



#86

p-Isopropyltoluene

Concen: 21.053 ug/l

RT: 12.46 min Scan# 1199

Delta R.T. 0.00 min

Lab File: VF061518.D

Acq: 25 Jan 2019 13:51

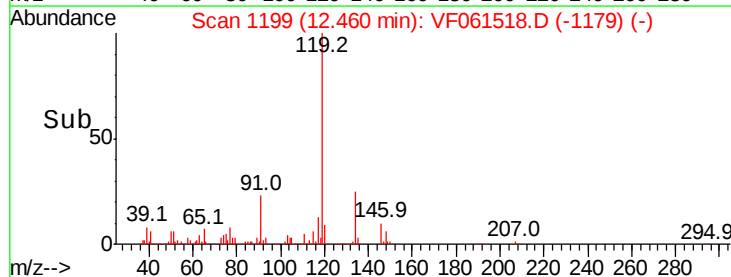
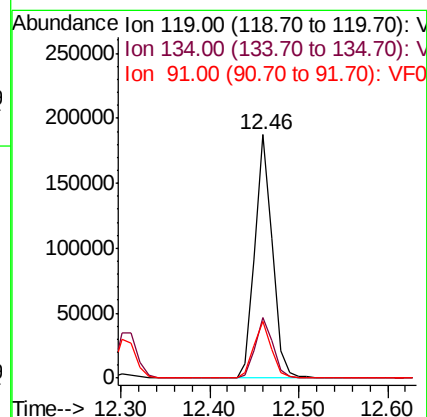
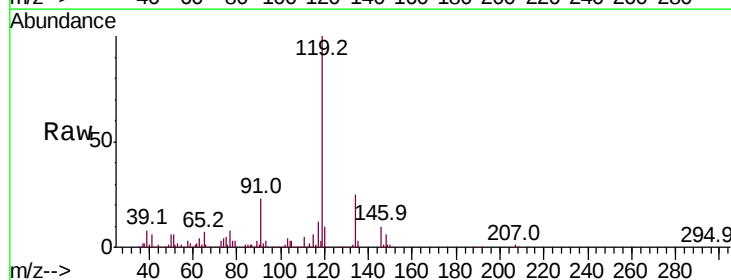
Tgt Ion:119 Resp: 253610

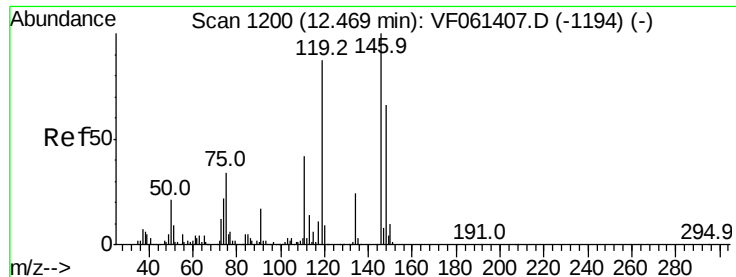
Ion Ratio Lower Upper

119 100

134 24.7 13.4 40.2

91 23.2 11.4 34.2





#87

1,3-Dichlorobenzene

Concen: 19.047 ug/l

RT: 12.48 min Scan# 1201

Delta R.T. 0.01 min

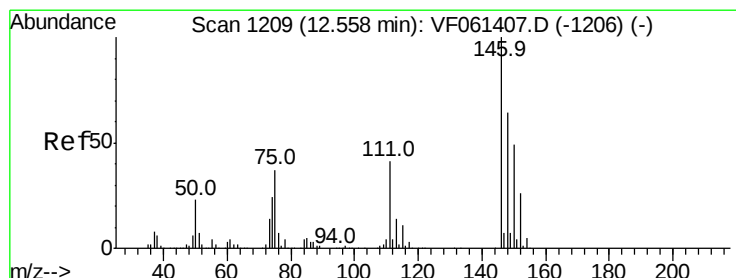
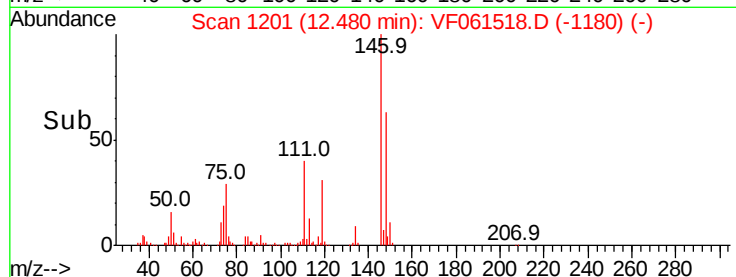
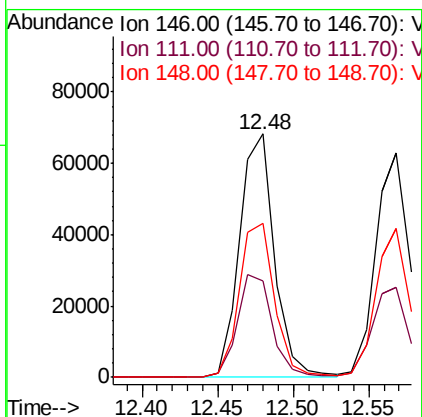
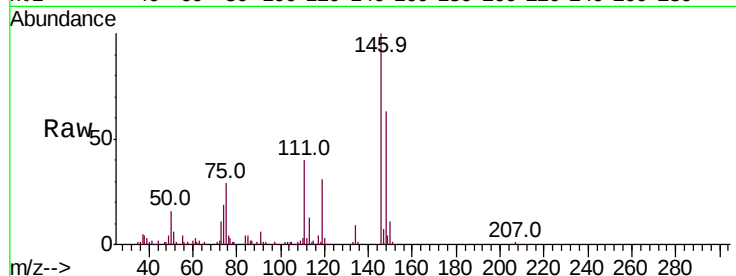
Lab File: VF061518.D

Acq: 25 Jan 2019 13:51

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:146 Resp: 109452

Ion	Ratio	Lower	Upper
146	100		
111	39.7	21.1	63.4
148	63.1	32.9	98.6



#88

1,4-Dichlorobenzene

Concen: 19.627 ug/l

RT: 12.57 min Scan# 1210

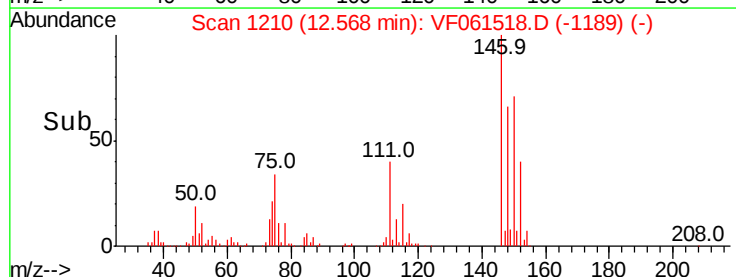
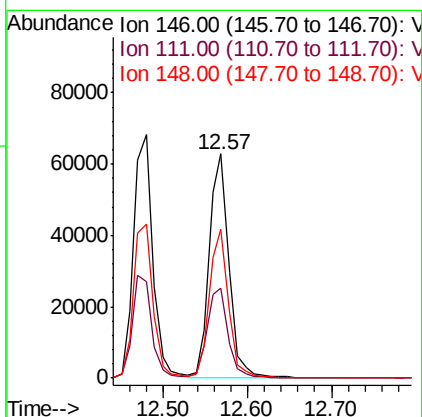
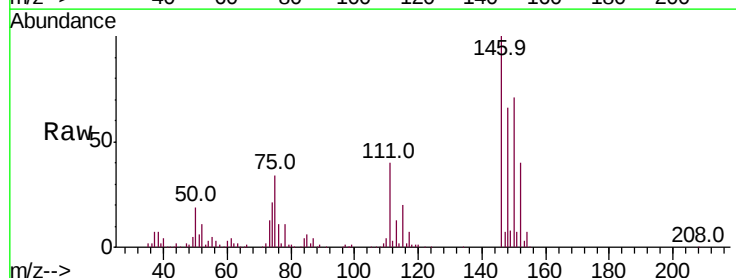
Delta R.T. 0.01 min

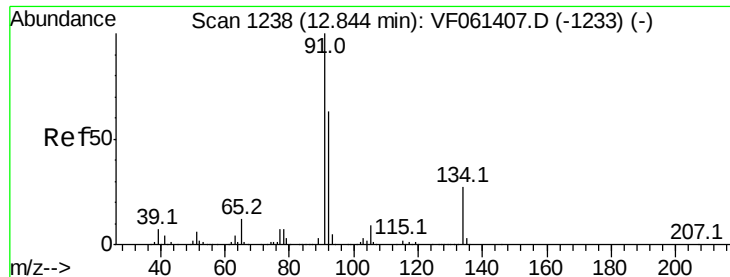
Lab File: VF061518.D

Acq: 25 Jan 2019 13:51

Tgt Ion:146 Resp: 101331

Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.8	62.2
148	66.1	32.1	96.5

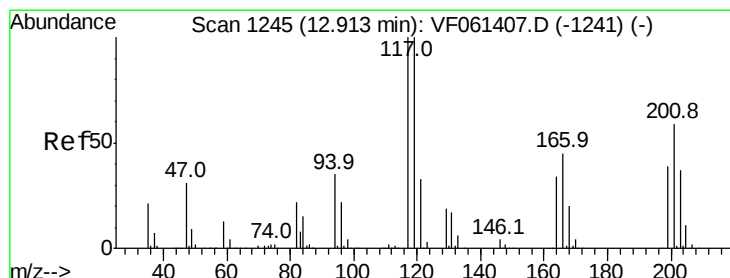
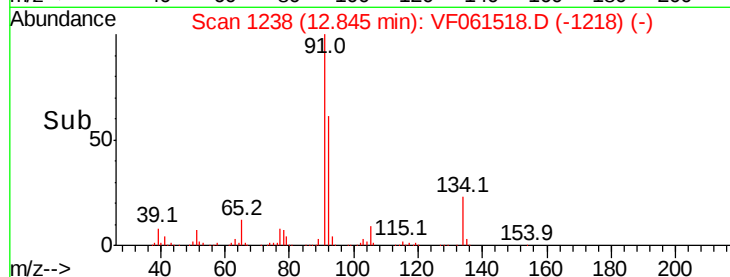
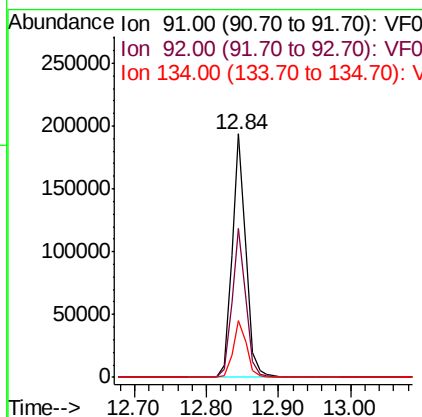
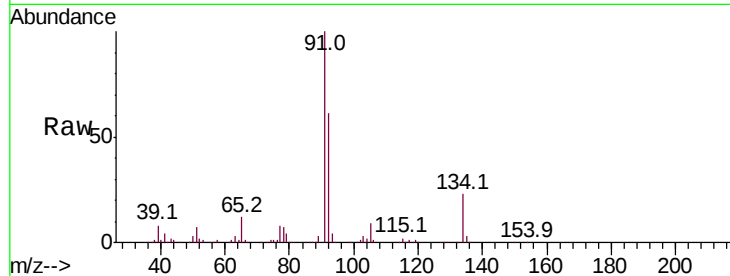




#89
n-Butylbenzene
Concen: 20.809 ug/l
RT: 12.84 min Scan# 1238
Delta R.T. 0.00 min
Lab File: VF061518.D
Acq: 25 Jan 2019 13:51

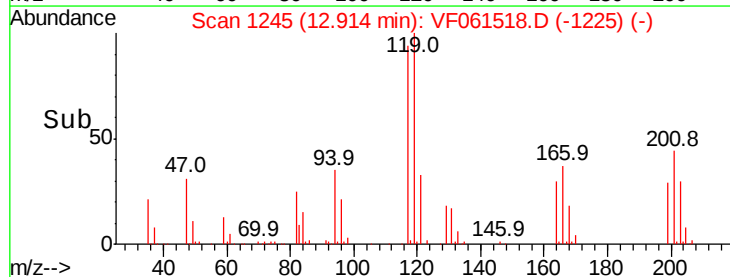
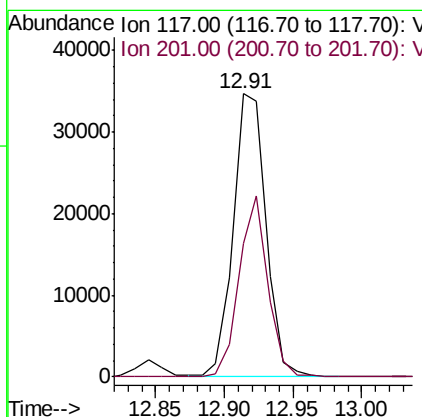
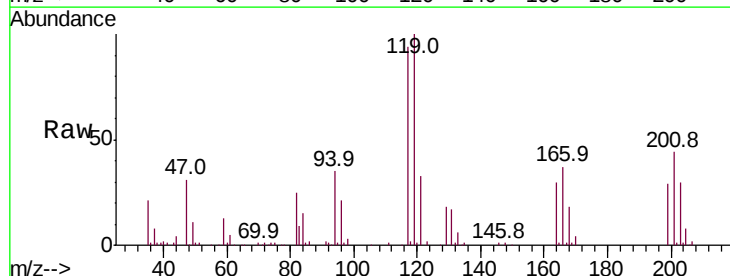
Instrument :
MSVOA_F
ClientSampleId :

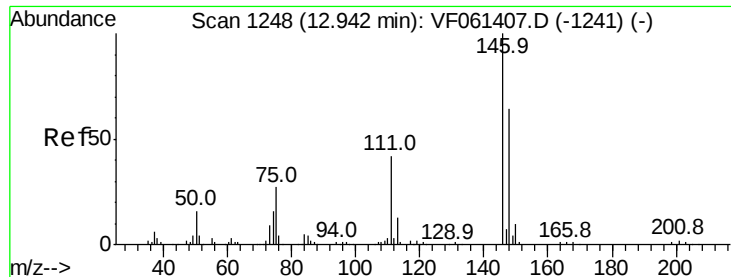
Tot Ion: 91 Resp: 258520
Ion Ratio Lower Upper
91 100
92 61.3 31.6 94.7
134 23.3 13.6 40.8



#90
Hexachloroethane
Concen: 20.301 ug/l
RT: 12.91 min Scan# 1245
Delta R.T. 0.00 min
Lab File: VF061518.D
Acq: 25 Jan 2019 13:51

Tgt Ion: 117 Resp: 57646
Ion Ratio Lower Upper
117 100
201 47.0 29.3 87.8

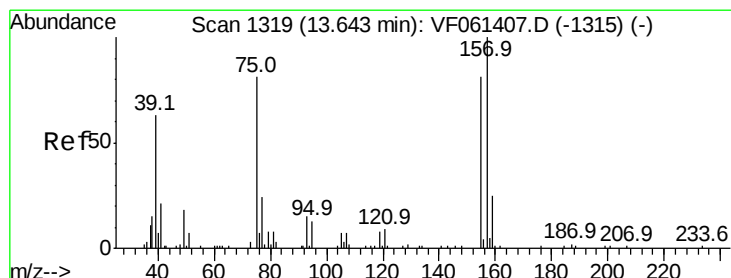
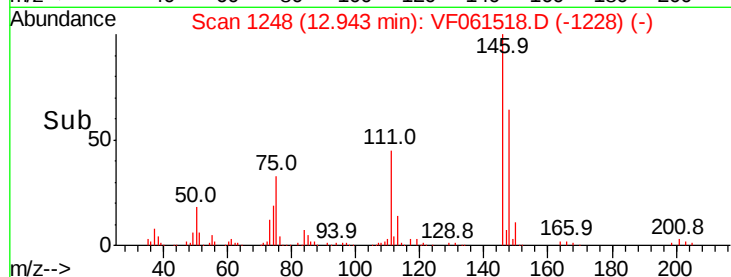
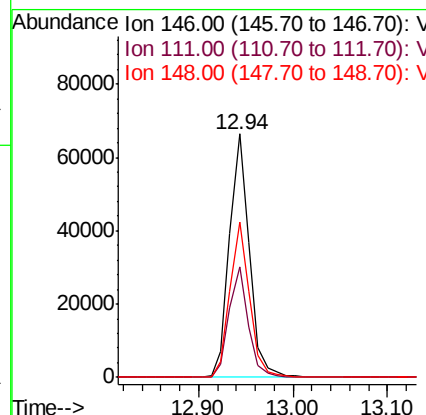
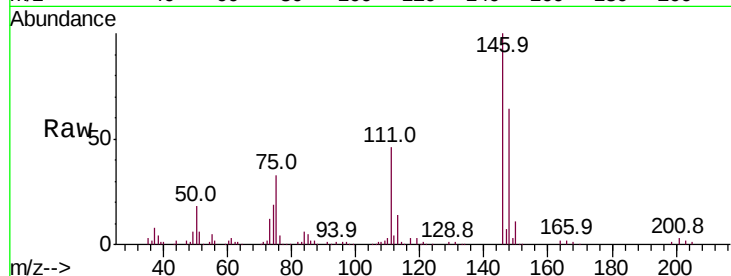




#91
 1,2-Dichlorobenzene
 Concen: 18.974 ug/l
 RT: 12.94 min Scan# 1248
 Delta R.T. 0.00 min
 Lab File: VF061518.D
 Acq: 25 Jan 2019 13:51

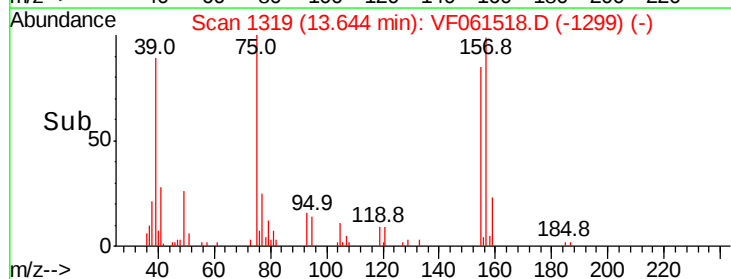
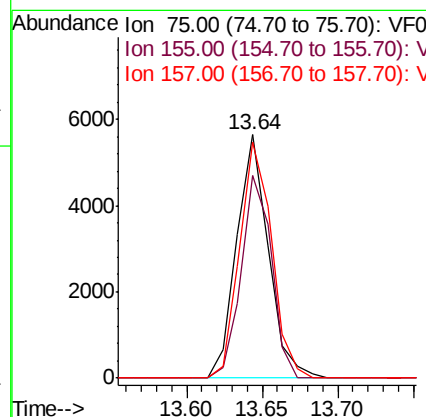
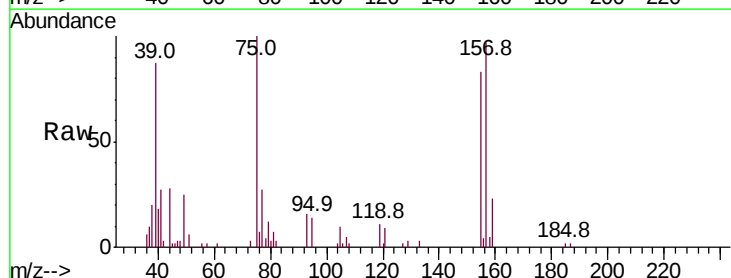
Instrument :
 MSVOA_F
 ClientSampled :

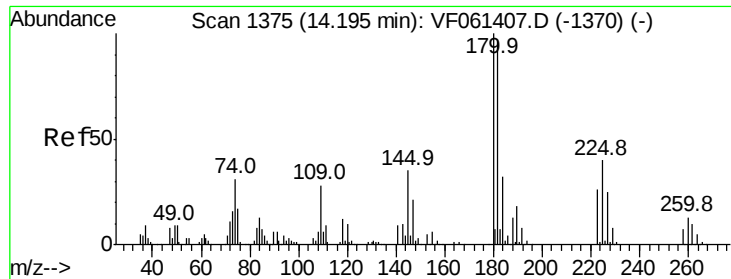
Tot Ion	Ratio	Lower	Upper
146	100		
111	45.5	21.1	63.3
148	63.7	31.9	95.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.070 ug/l
 RT: 13.64 min Scan# 1319
 Delta R.T. 0.00 min
 Lab File: VF061518.D
 Acq: 25 Jan 2019 13:51

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.2	49.7	149.1
157	97.0	61.4	184.1

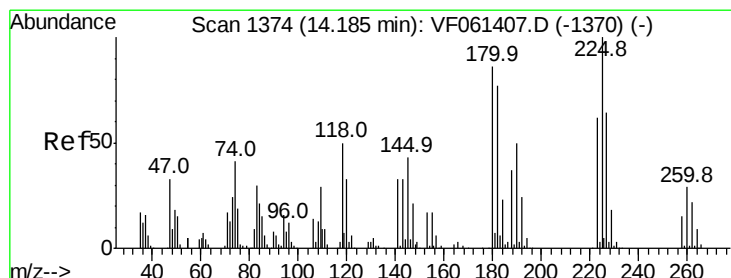
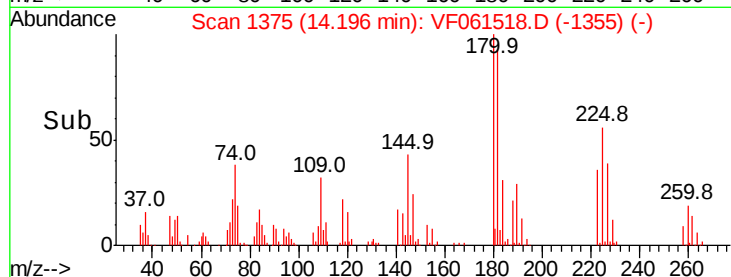
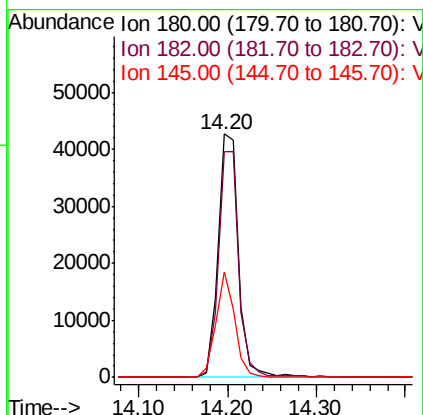
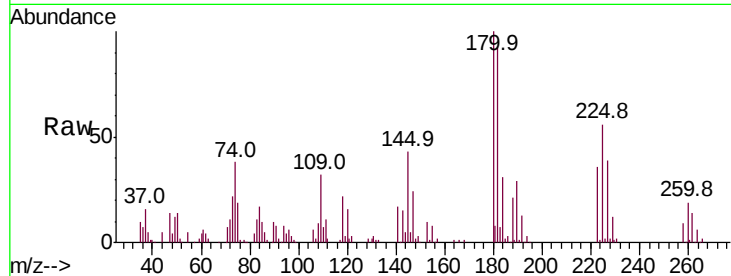




#93
 1,2,4-Trichlorobenzene
 Concen: 19.349 ug/l
 RT: 14.20 min Scan# 1375
 Delta R.T. 0.00 min
 Lab File: VF061518.D
 Acq: 25 Jan 2019 13:51

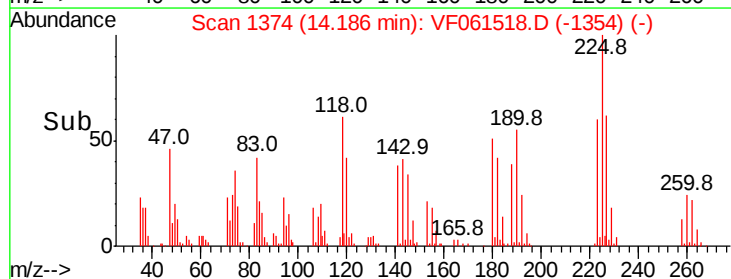
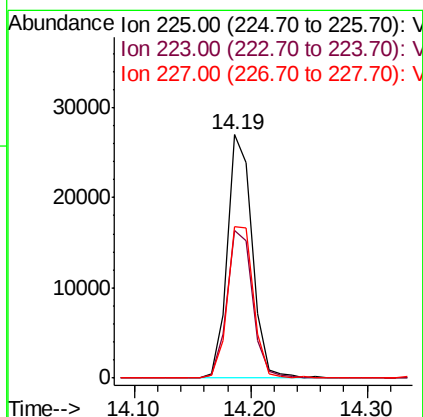
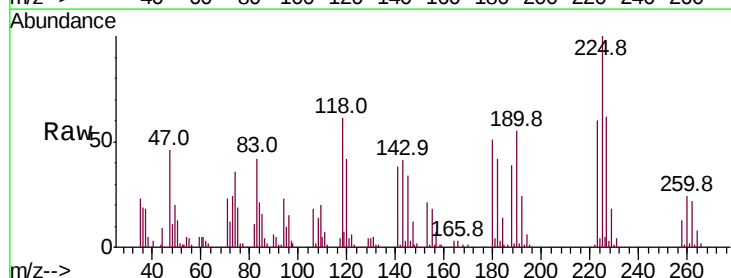
Instrument :
 MSVOA_F
 ClientSampled :

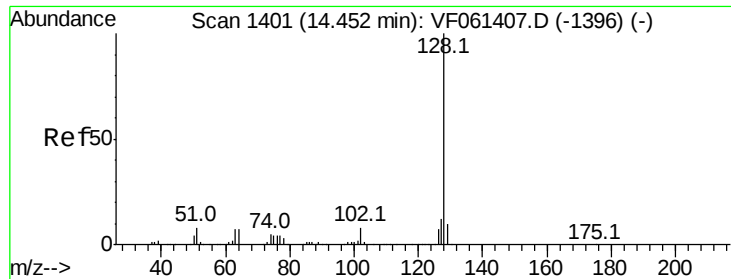
Tot Ion:180 Resp: 69275
 Ion Ratio Lower Upper
 180 100
 182 92.5 48.5 145.6
 145 43.1 17.5 52.6



#94
 Hexachlorobutadiene
 Concen: 17.905 ug/l
 RT: 14.19 min Scan# 1374
 Delta R.T. 0.00 min
 Lab File: VF061518.D
 Acq: 25 Jan 2019 13:51

Tgt Ion:225 Resp: 39779
 Ion Ratio Lower Upper
 225 100
 223 60.4 31.1 93.2
 227 62.0 32.2 96.6

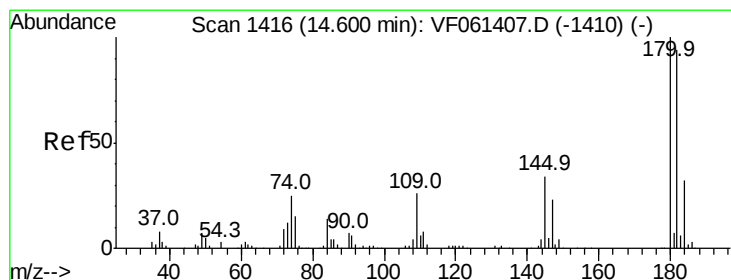
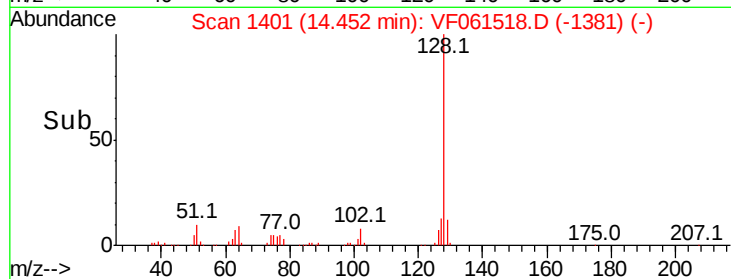
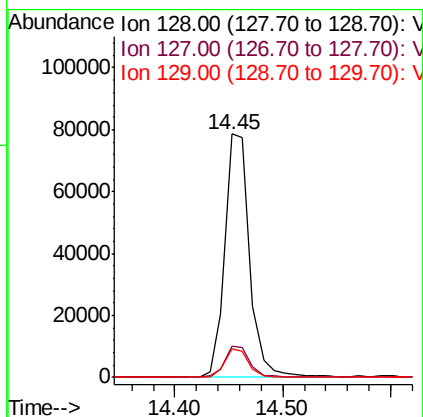
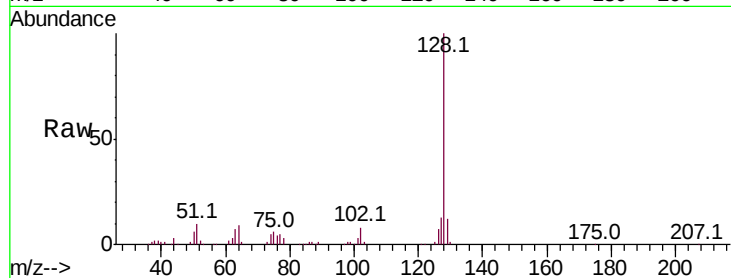




#95
Naphthalene
Concen: 18.514 ug/l
RT: 14.45 min Scan# 1401
Delta R.T. 0.00 min
Lab File: VF061518.D
Acq: 25 Jan 2019 13:51

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:128 Resp: 125935
Ion Ratio Lower Upper
128 100
127 12.7 9.5 14.3
129 12.0 8.4 12.6



#96
1,2,3-Trichlorobenzene
Concen: 18.506 ug/l
RT: 14.60 min Scan# 1416
Delta R.T. 0.00 min
Lab File: VF061518.D
Acq: 25 Jan 2019 13:51

Tgt Ion:180 Resp: 61334
Ion Ratio Lower Upper
180 100
182 93.0 47.0 141.2
145 37.6 17.1 51.2

