

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF012519\
 Data File : VF061516.D
 Acq On : 25 Jan 2019 12:44
 Operator : VA/AP
 Sample : VF01251SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF01251SBS01

Quant Time: Jan 28 00:07:06 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	3301	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.60	114	4441	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	3810	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	703	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.85	65	982	24.10	ug/l	0.01
Spiked Amount				50.000		
			Recovery	=	48.20%	
35) Dibromofluoromethane	4.12	113	1323	37.75	ug/l	0.01
Spiked Amount				50.000		
			Recovery	=	75.50%	
50) Toluene-d8	7.55	98	4510	46.97	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	93.94%	
62) 4-Bromofluorobenzene	11.42	95	1274	28.40	ug/l	0.01
Spiked Amount				50.000		
			Recovery	=	56.80%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.96	85	2074	31.977	ug/l	76
3) Chloromethane	1.09	50	1943	40.856	ug/l #	44
4) Vinyl Chloride	1.14	62	1571	37.135	ug/l	95
5) Bromomethane	1.32	94	903	32.733	ug/l #	34
6) Chloroethane	1.38	64	370	19.738	ug/l #	65
7) Trichlorofluoromethane	1.47	101	1397	16.986	ug/l	92
8) Diethyl Ether	1.61	74	99	9.395	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	1.82	101	1244	31.480	ug/l	88
10) Methyl Iodide	1.91	142	995	16.241	ug/l #	72
11) Tert butyl alcohol	2.49	59	61	35.361	ug/l #	1
12) 1,1-Dichloroethene	1.77	96	1235	42.066	ug/l #	52
13) Acrolein	1.88	56	244	167.758	ug/l	93
14) Allyl chloride	2.10	41	1538	49.497	ug/l #	76
15) Acrylonitrile	2.93	53	313	70.833	ug/l #	42
16) Acetone	2.34	43	1203	147.139	ug/l	99
17) Carbon Disulfide	1.80	76	2199	24.021	ug/l #	12
18) Methyl Acetate	2.34	43	1203	74.194	ug/l #	61
19) Methyl tert-butyl Ether	2.43	73	519	7.886	ug/l #	1
20) Methylene Chloride	2.17	84	102	1.988	ug/l #	53
21) trans-1,2-Dichloroethene	2.32	96	1007	31.175	ug/l #	16
22) Diisopropyl ether	2.81	45	1318	12.615	ug/l #	14
23) Vinyl Acetate	3.19	43	493	13.785	ug/l #	78
24) 1,1-Dichloroethane	2.87	63	1323	20.176	ug/l #	81
25) 2-Butanone	4.36	43	848	62.370	ug/l #	57
26) 2,2-Dichloropropane	3.61	77	1226	30.431	ug/l #	61
27) cis-1,2-Dichloroethene	3.48	96	775	16.253	ug/l	44
28) Bromochloromethane	3.73	49	235	7.973	ug/l #	76
29) Tetrahydrofuran	4.07	42	218	37.237	ug/l #	38
30) Chloroform	3.85	83	1277	14.430	ug/l	86
31) Cyclohexane	3.68	56	1158	17.679	ug/l #	65
32) 1,1,1-Trichloroethane	4.08	97	649	10.002	ug/l #	89
36) 1,1-Dichloropropene	4.27	75	1893	36.764	ug/l	92
37) Ethyl Acetate	4.08	43	366	17.782	ug/l #	65
38) Carbon Tetrachloride	3.99	117	1501	33.344	ug/l #	79

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 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF01251SBS01

Quant Time: Jan 28 00:07:06 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	5.45	83	1763	31.594	ug/l #	85
40) Benzene	4.63	78	2126	18.555	ug/l	99
41) Methacrylonitrile	4.74	41	67	6.118	ug/l #	20
42) 1,2-Dichloroethane	4.94	62	340	8.327	ug/l	76
43) Isopropyl Acetate	6.96	43	75	2.903	ug/l #	51
44) Trichloroethene	5.51	130	792	22.533	ug/l	98
45) 1,2-Dichloropropane	6.22	63	435	14.466	ug/l #	44
46) Dibromomethane	6.06	93	67	3.351	ug/l #	6
47) Bromodichloromethane	6.38	83	798	16.130	ug/l #	24
48) Methyl methacrylate	6.71	41	194	11.184	ug/l #	16
51) 4-Methyl-2-Pentanone	8.21	43	190	10.005	ug/l #	39
52) Toluene	7.63	92	1726	22.875	ug/l	76
53) t-1,3-Dichloropropene	8.28	75	178	4.531	ug/l #	44
54) cis-1,3-Dichloropropene	7.29	75	575	11.710	ug/l #	78
57) 1,3-Dichloropropane	8.85	76	360	8.964	ug/l #	43
58) 2-Chloroethyl Vinyl ether	7.31	63	66	49.987	ug/l #	47
59) 2-Hexanone	9.46	43	285	21.521	ug/l #	26
60) Dibromochloromethane	8.71	129	165	5.267	ug/l	95
61) 1,2-Dibromoethane	9.00	107	137	5.585	ug/l #	5
64) Tetrachloroethene	8.14	164	716	24.990	ug/l	89
65) Chlorobenzene	9.79	112	1320	17.037	ug/l #	87
66) 1,1,1,2-Tetrachloroethane	9.94	131	309	10.011	ug/l	93
67) Ethyl Benzene	9.90	91	2857	20.183	ug/l #	76
68) m/p-Xylenes	10.13	106	1583	31.092	ug/l	91
69) o-Xylene	10.72	106	616	11.163	ug/l	79
70) Styrene	10.79	104	592	7.838	ug/l	93
71) Bromoform	10.79	173	82	5.913	ug/l #	29
73) Isopropylbenzene	11.12	105	2840	49.671	ug/l	88
74) N-amyl acetate	11.34	43	239	17.677	ug/l #	47
76) 1,2,3-Trichloropropane	11.80	75	60	8.198	ug/l #	42
77) Bromobenzene	11.49	156	78	6.460	ug/l #	1
78) n-propylbenzene	11.60	91	3190	45.280	ug/l	89
79) 2-Chlorotoluene	11.71	91	1495	37.685	ug/l #	70
80) 1,3,5-Trimethylbenzene	11.82	105	1294	28.044	ug/l #	52
81) trans-1,4-Dichloro-2-buten	11.85	75	76	23.887	ug/l #	19
82) 4-Chlorotoluene	11.90	91	1454	36.321	ug/l	88
83) tert-Butylbenzene	12.13	119	2040	42.715	ug/l	94
84) 1,2,4-Trimethylbenzene	12.21	105	891	18.747	ug/l	93
85) sec-Butylbenzene	12.31	105	3052	47.058	ug/l	98
86) p-Isopropyltoluene	12.46	119	1129	21.206	ug/l	87
87) 1,3-Dichlorobenzene	12.47	146	632	25.084	ug/l	96
88) 1,4-Dichlorobenzene	12.57	146	381	16.697	ug/l	90
89) n-Butylbenzene	12.85	91	698	12.712	ug/l	78
90) Hexachloroethane	12.92	117	461	36.733	ug/l #	22
91) 1,2-Dichlorobenzene	12.95	146	375	16.601	ug/l #	55
92) 1,2-Dibromo-3-Chloropropan	13.69	75	61	33.764	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.20	180	75	4.740	ug/l #	11
94) Hexachlorobutadiene	14.19	225	295	30.044	ug/l #	50
95) Naphthalene	14.47	128	66	2.195	ug/l #	71

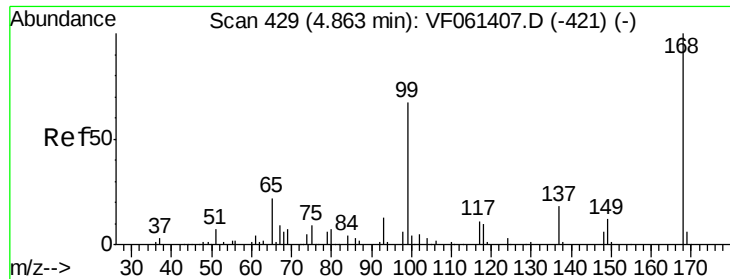
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF012519\
Data File : VF061516.D
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Quant Title : SW846 8260
QLast Update : Wed Jan 16 04:51:59 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = 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. 0.00 min

Lab File: VF061516.D

Acq: 25 Jan 2019 12:44

Instrument :

MSVOA_F

ClientSampleId :

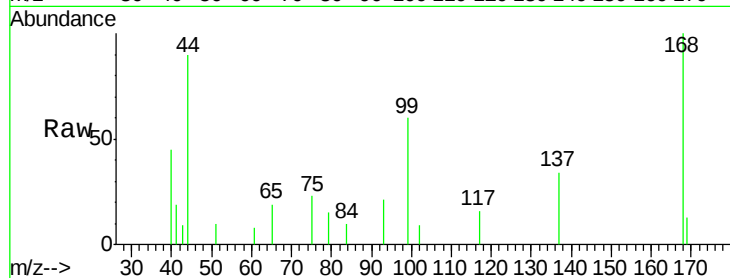
VF01251SBS01

Tot Ion:168 Resp: 3301

Ion Ratio Lower Upper

168 100

99 60.1 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

1500

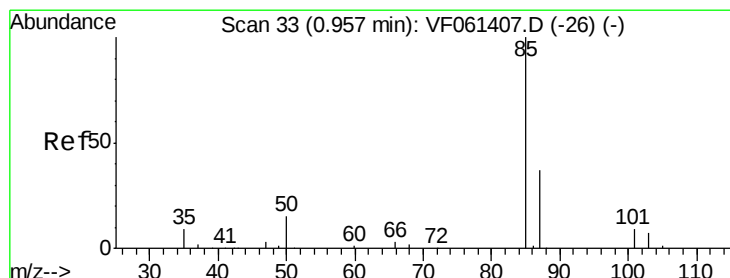
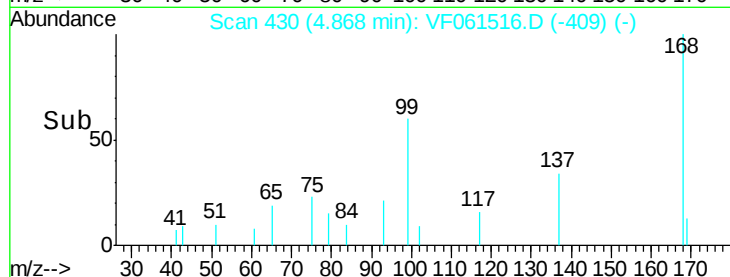
1000

500

0

4.80 4.85 4.90 4.95

Time-->



#2

Dichlorodifluoromethane

Concen: 31.977 ug/l

RT: 0.96 min Scan# 34

Delta R.T. 0.00 min

Lab File: VF061516.D

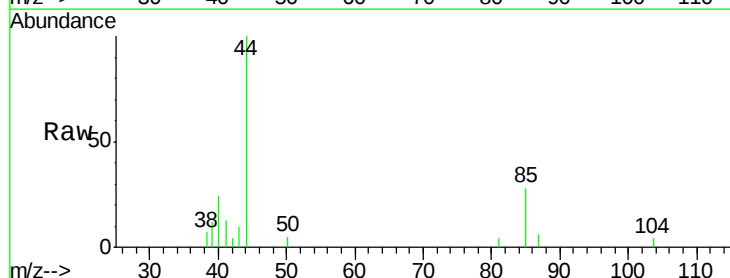
Acq: 25 Jan 2019 12:44

Tgt Ion: 85 Resp: 2074

Ion Ratio Lower Upper

85 100

87 22.5 18.4 55.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1000

800

600

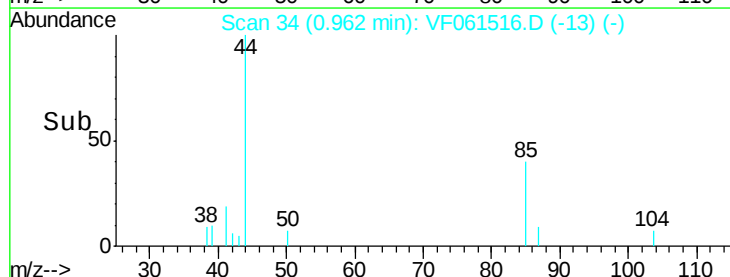
400

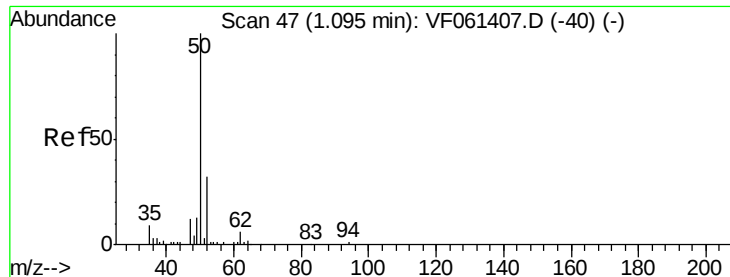
200

0

0.90 0.95 1.00 1.05

Time-->





#3

Chloromethane

Concen: 40.856 ug/l

RT: 1.09 min Scan# 47

Delta R.T. -0.01 min

Lab File: VF061516.D

Acq: 25 Jan 2019 12:44

Instrument :

MSVOA_F

ClientSampleId :

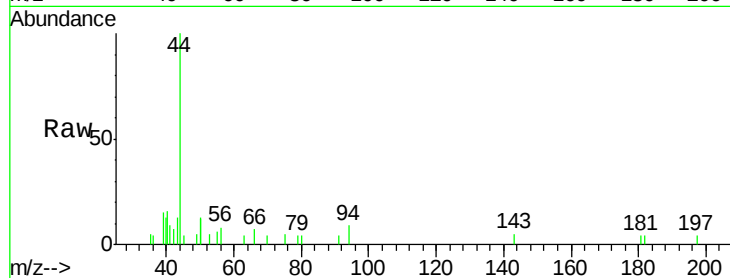
VF01251SBS01

Tot Ion: 50 Resp: 1943

Ion Ratio Lower Upper

50 100

52 0.0 24.6 36.8#



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Time-->

1.09

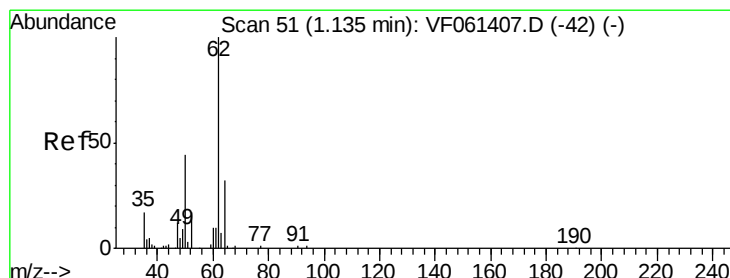
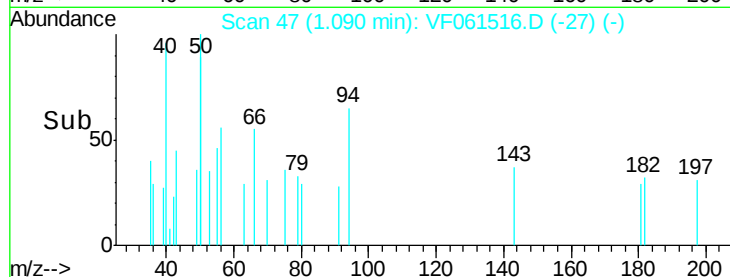
600

400

200

0

1.00 1.05 1.10 1.15



#4

Vinyl Chloride

Concen: 37.135 ug/l

RT: 1.14 min Scan# 52

Delta R.T. 0.00 min

Lab File: VF061516.D

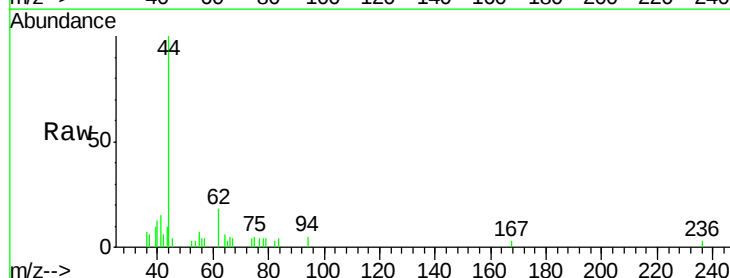
Acq: 25 Jan 2019 12:44

Tgt Ion: 62 Resp: 1571

Ion Ratio Lower Upper

62 100

64 34.9 25.6 38.4



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0

Time-->

1.14

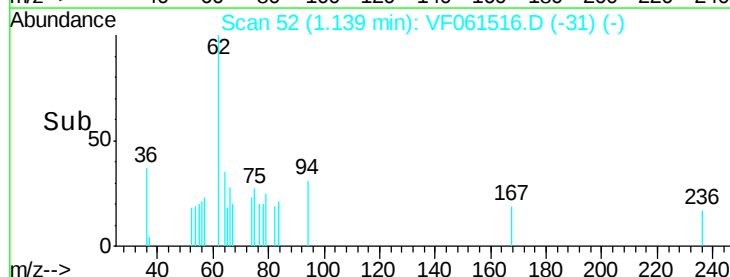
600

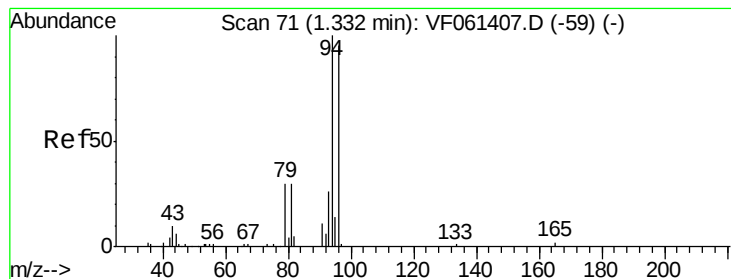
400

200

0

1.10 1.20





#5

Bromomethane

Concen: 32.733 ug/l

RT: 1.32 min Scan# 70

Delta R.T. -0.02 min

Lab File: VF061516.D

Acq: 25 Jan 2019 12:44

Instrument :

MSVOA_F

ClientSampleId :

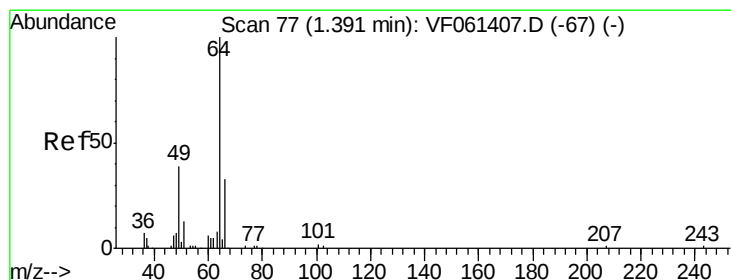
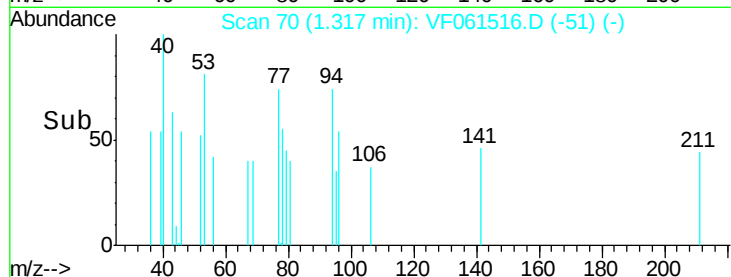
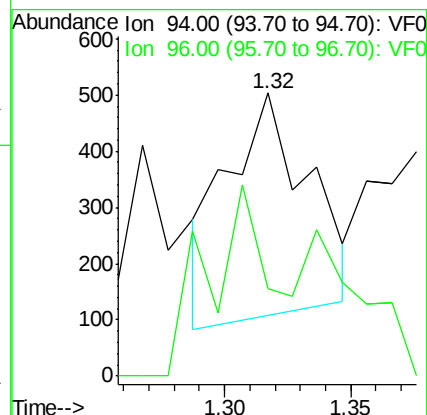
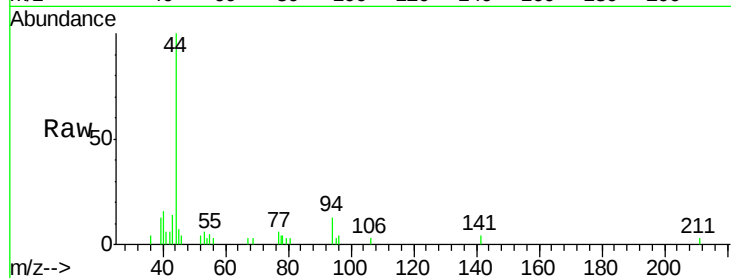
VF01251SBS01

Tot Ion: 94 Resp: 903

Ion Ratio Lower Upper

94 100

96 31.0 76.0 114.0#



#6

Chloroethane

Concen: 19.738 ug/l

RT: 1.38 min Scan# 76

Delta R.T. -0.02 min

Lab File: VF061516.D

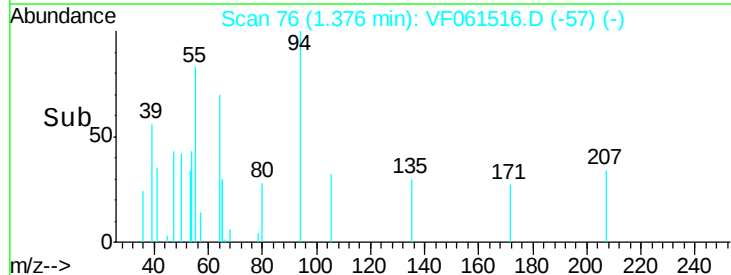
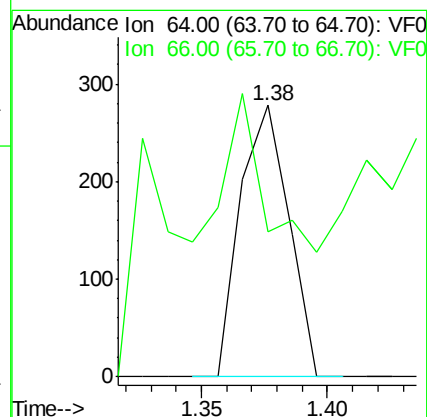
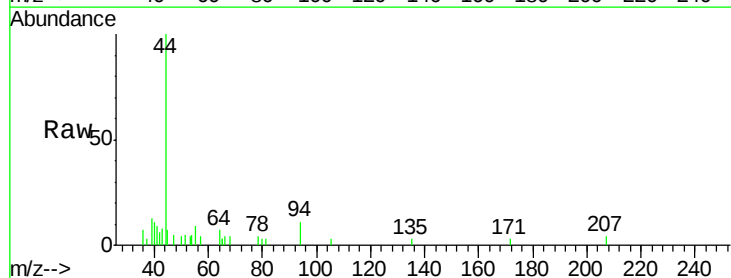
Acq: 25 Jan 2019 12:44

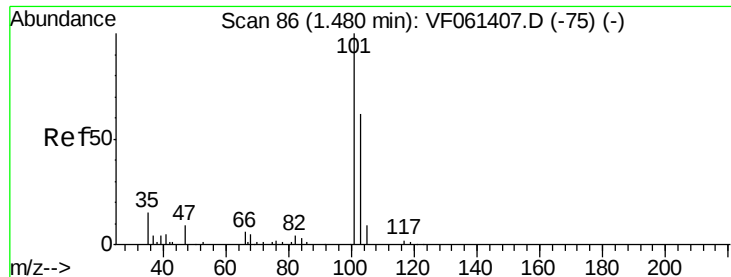
Tgt Ion: 64 Resp: 370

Ion Ratio Lower Upper

64 100

66 53.2 26.6 40.0#



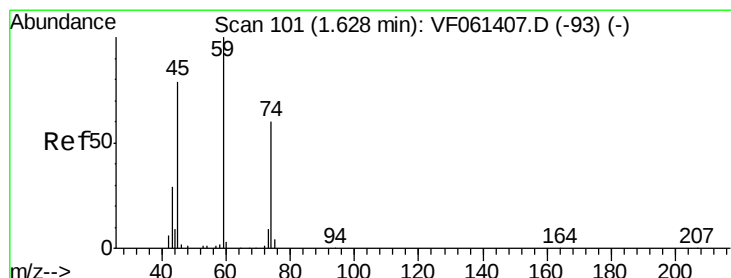
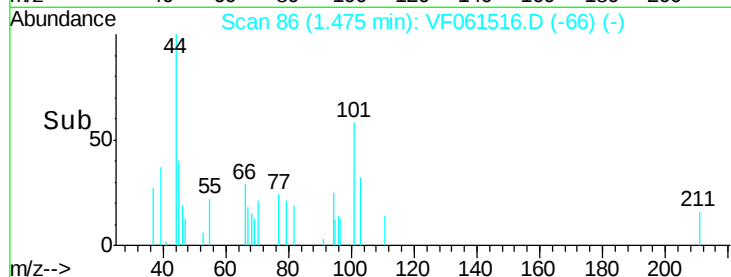
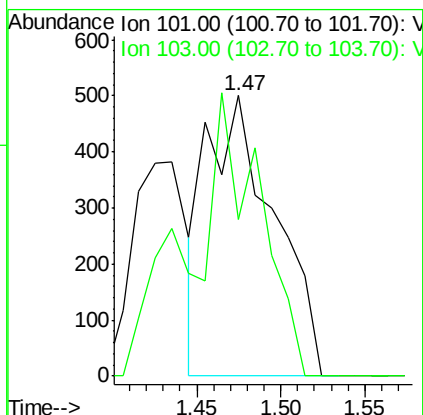
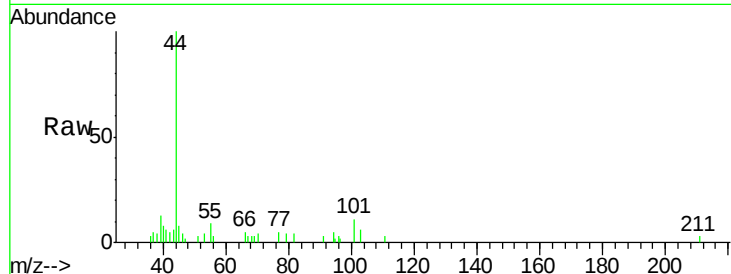


#7

Trichlorofluoromethane
Concen: 16.986 ug/l
RT: 1.47 min Scan# 86
Delta R.T. -0.01 min
Lab File: VF061516.D
Acq: 25 Jan 2019 12:44

Instrument :
MSVOA_F
ClientSampleId :
VF01251SBS01

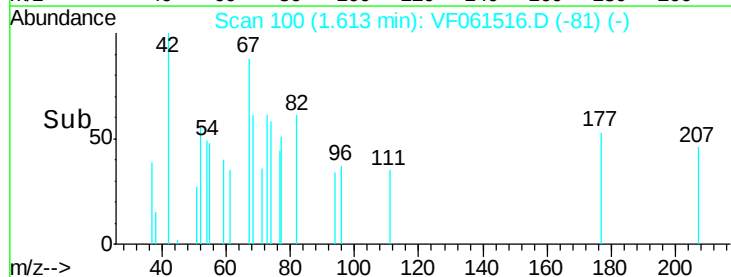
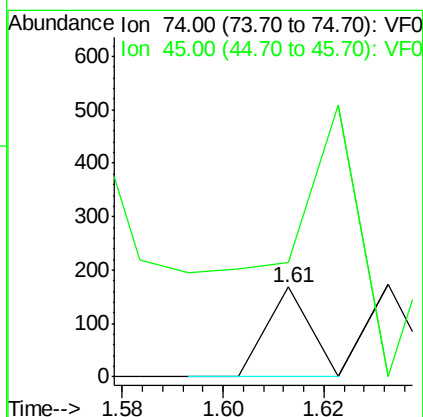
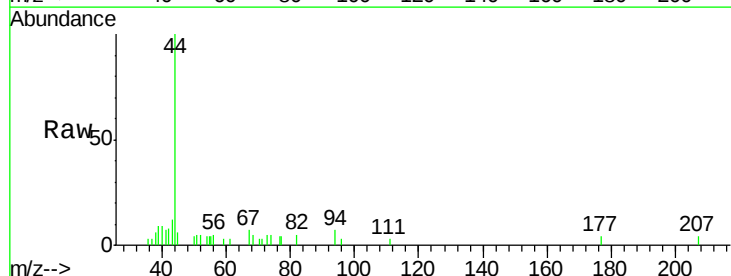
Tot Ion:101 Resp: 1397
Ion Ratio Lower Upper
101 100
103 55.8 49.7 74.5



#8

Diethyl Ether
Concen: 9.395 ug/l
RT: 1.61 min Scan# 100
Delta R.T. -0.02 min
Lab File: VF061516.D
Acq: 25 Jan 2019 12:44

Tgt Ion: 74 Resp: 99
Ion Ratio Lower Upper
74 100
45 126.8 65.8 197.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 31.480 ug/l

RT: 1.82 min Scan# 121

Delta R.T. -0.02 min

Lab File: VF061516.D

Acq: 25 Jan 2019 12:44

Instrument :

MSVOA_F

ClientSampleId :

VF01251SBS01

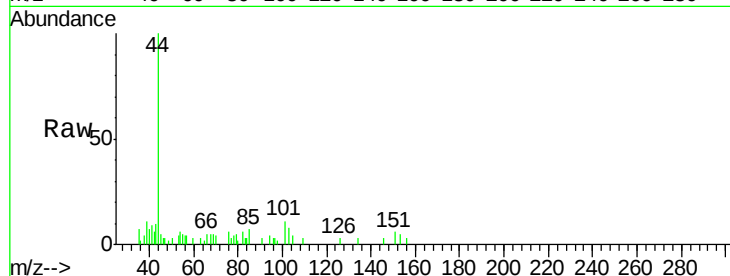
Tot Ion:101 Resp: 1244

Ion Ratio Lower Upper

101 100

85 57.3 41.9 62.9

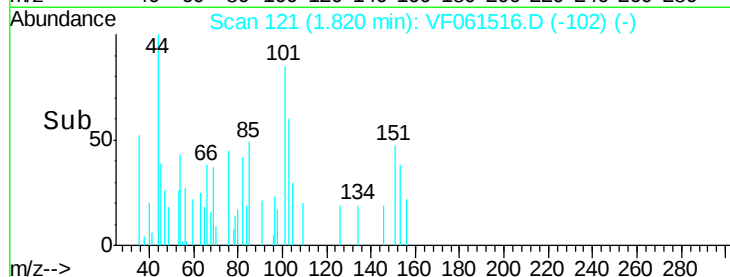
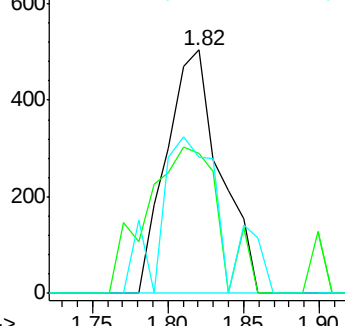
151 55.8 55.1 82.7



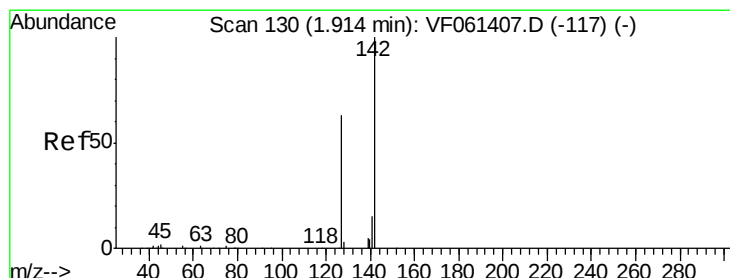
Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



Time-->



#10

Methyl Iodide

Concen: 16.241 ug/l

RT: 1.91 min Scan# 130

Delta R.T. -0.01 min

Lab File: VF061516.D

Acq: 25 Jan 2019 12:44

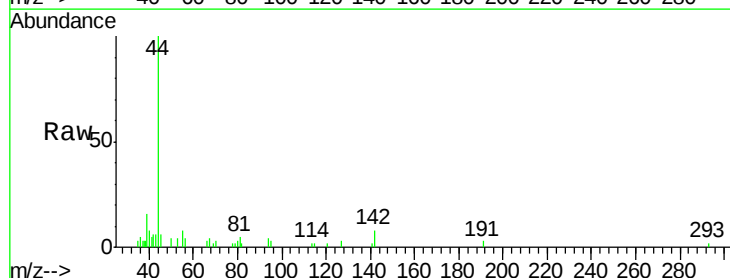
Tgt Ion:142 Resp: 995

Ion Ratio Lower Upper

142 100

127 41.6 50.7 76.1#

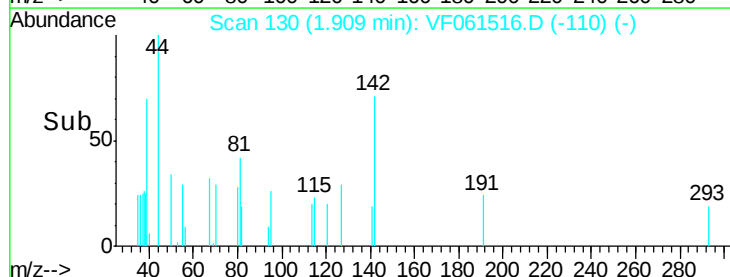
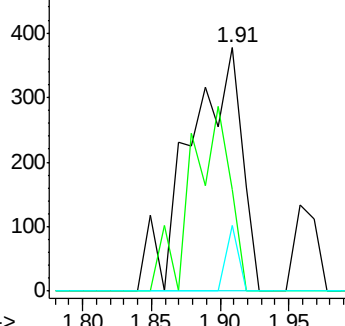
141 27.3 11.8 17.6#



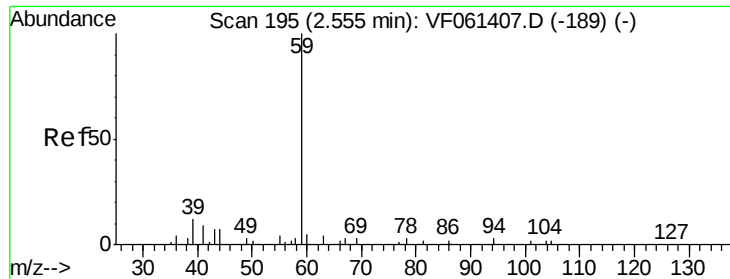
Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



Time-->

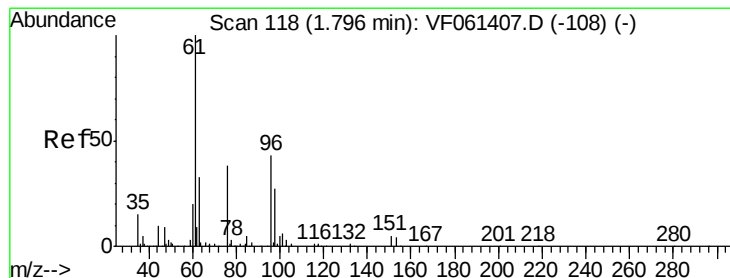
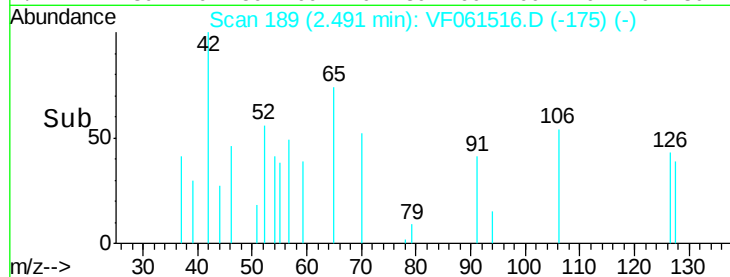
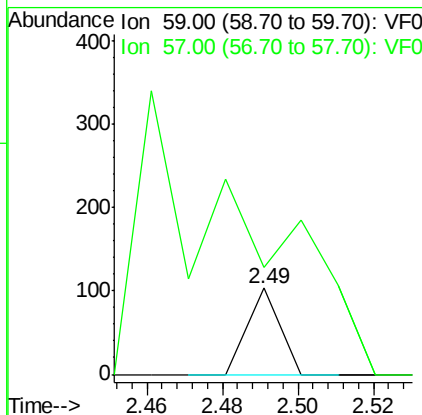
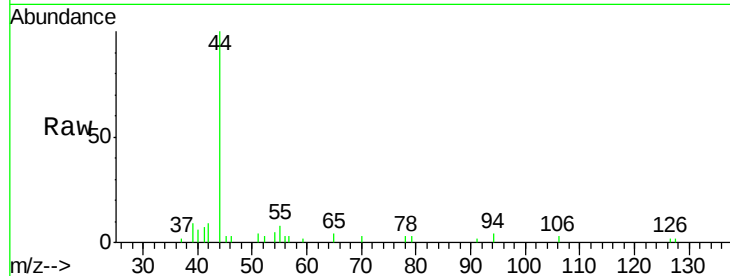


#11

Tert butyl alcohol
Concen: 35.361 ug/l
RT: 2.49 min Scan# 189
Delta R.T. -0.06 min
Lab File: VF061516.D
Acq: 25 Jan 2019 12:44

Instrument :
MSVOA_F
ClientSampleId :
VF01251SBS01

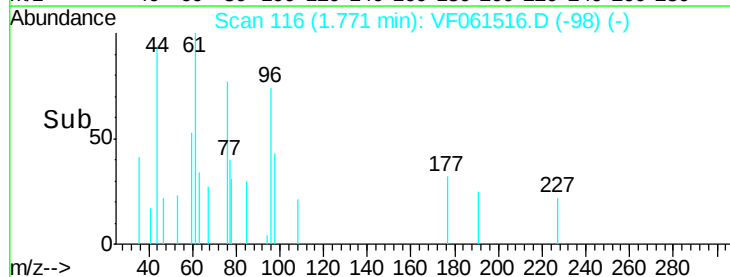
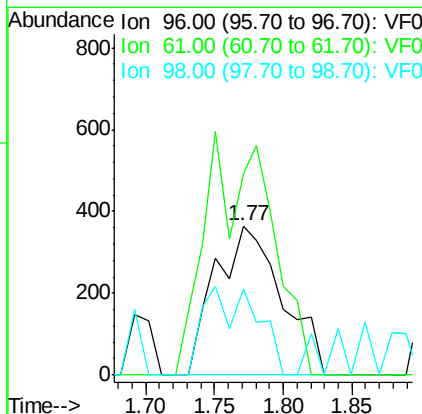
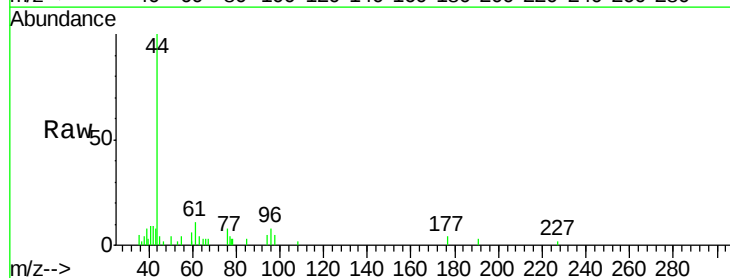
Tot Ion: 59 Resp: 61
Ion Ratio Lower Upper
59 100
57 124.3 11.9 17.9#

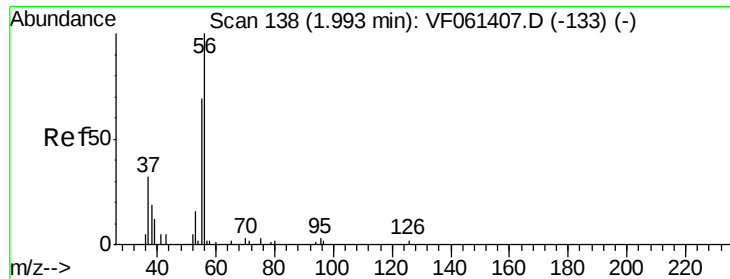


#12

1,1-Dichloroethene
Concen: 42.066 ug/l
RT: 1.77 min Scan# 116
Delta R.T. -0.02 min
Lab File: VF061516.D
Acq: 25 Jan 2019 12:44

Tgt Ion: 96 Resp: 1235
Ion Ratio Lower Upper
96 100
61 135.1 186.9 280.3#
98 57.5 53.0 79.4

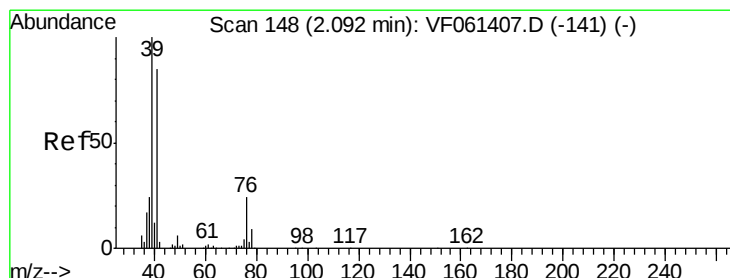
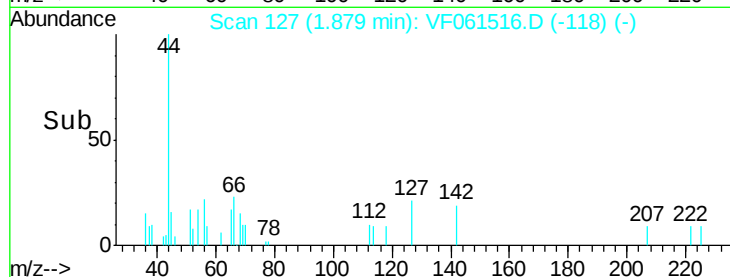
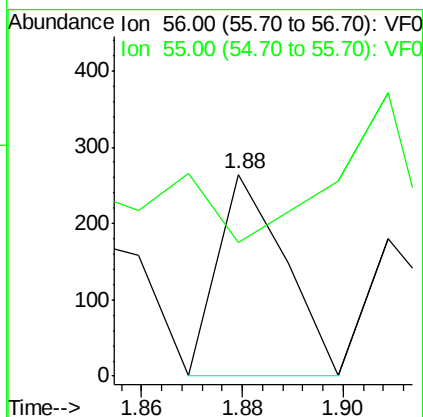
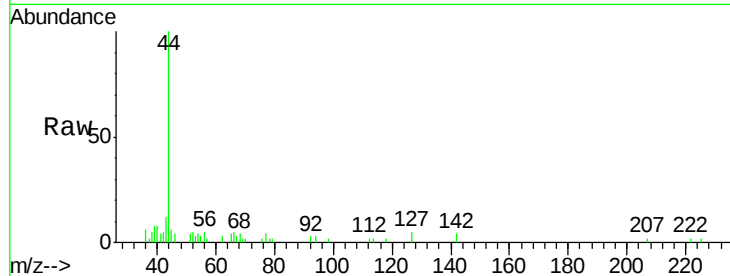




#13
Acrolein
Concen: 167.758 ug/l
RT: 1.88 min Scan# 127
Delta R.T. -0.11 min
Lab File: VF061516.D
Acq: 25 Jan 2019 12:44

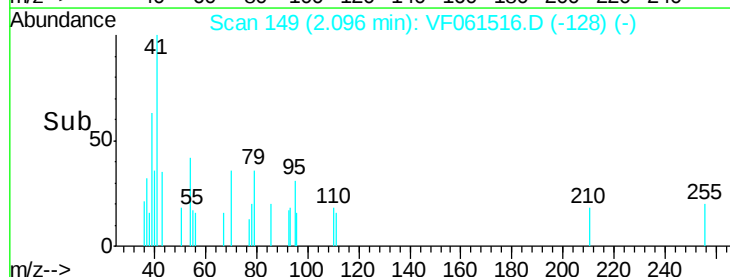
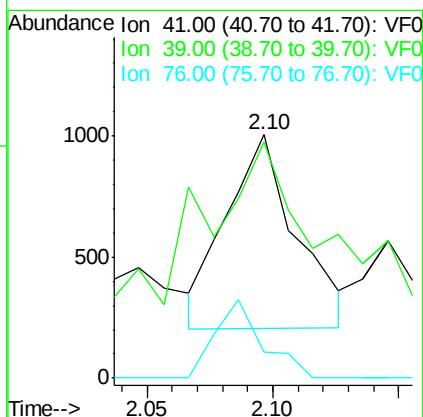
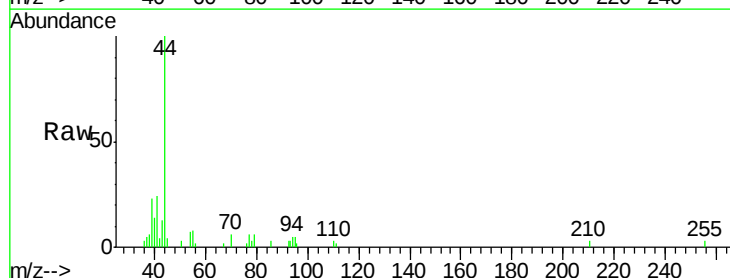
Instrument :
MSVOA_F
ClientSampleId :
VF01251SBS01

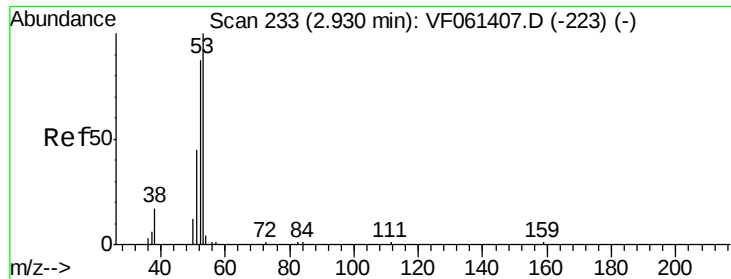
Tot Ion: 56 Resp: 244
Ion Ratio Lower Upper
56 100
55 66.3 57.5 86.3



#14
Allyl chloride
Concen: 49.497 ug/l
RT: 2.10 min Scan# 149
Delta R.T. 0.01 min
Lab File: VF061516.D
Acq: 25 Jan 2019 12:44

Tgt Ion: 41 Resp: 1538
Ion Ratio Lower Upper
41 100
39 96.8 94.6 141.8
76 10.5 25.9 38.9#





#15

Acrylonitrile

Concen: 70.833 ug/l

RT: 2.93 min Scan# 234

Delta R.T. 0.00 min

Lab File: VF061516.D

Acq: 25 Jan 2019 12:44

Instrument :

MSVOA_F

ClientSampleId :

VF01251SBS01

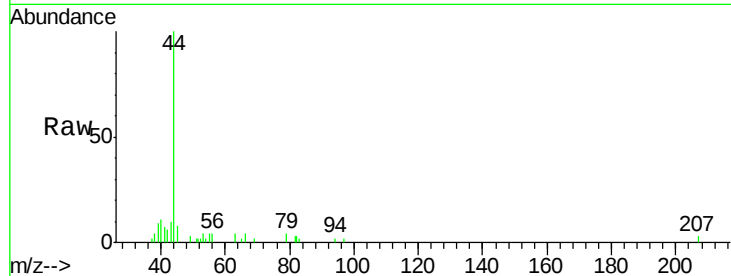
Tot Ion: 53 Resp: 313

Ion Ratio Lower Upper

53 100

52 47.2 69.6 104.4#

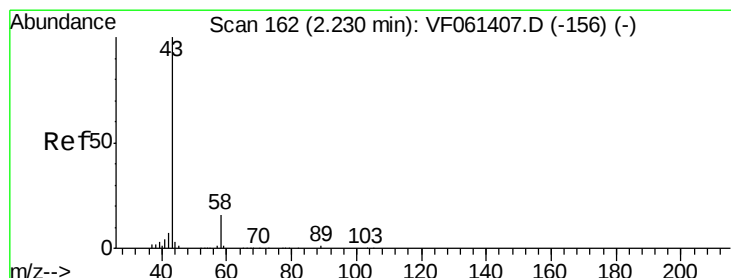
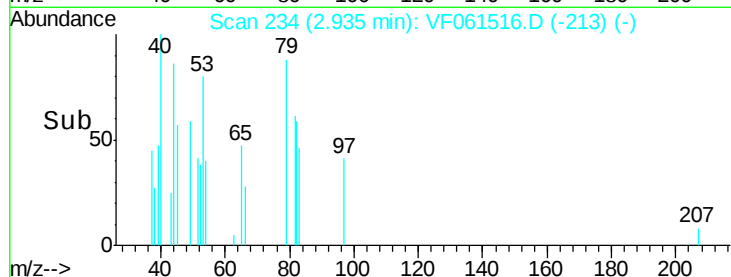
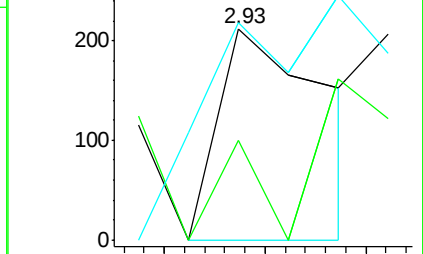
51 102.8 36.8 55.2#



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: 147.139 ug/l

RT: 2.34 min Scan# 174

Delta R.T. 0.11 min

Lab File: VF061516.D

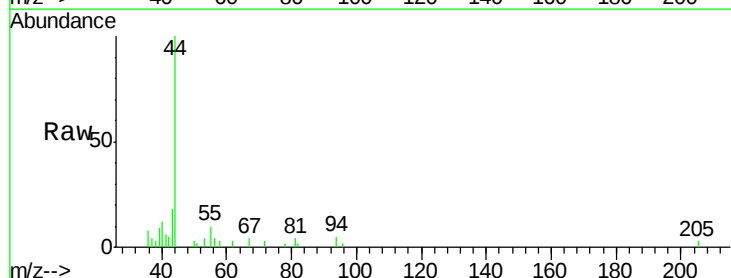
Acq: 25 Jan 2019 12:44

Tgt Ion: 43 Resp: 1203

Ion Ratio Lower Upper

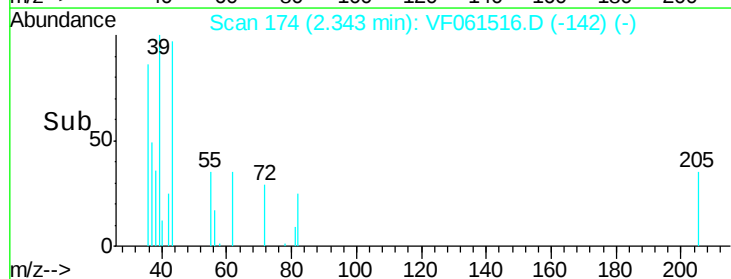
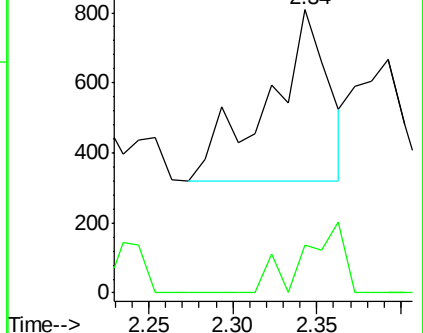
43 100

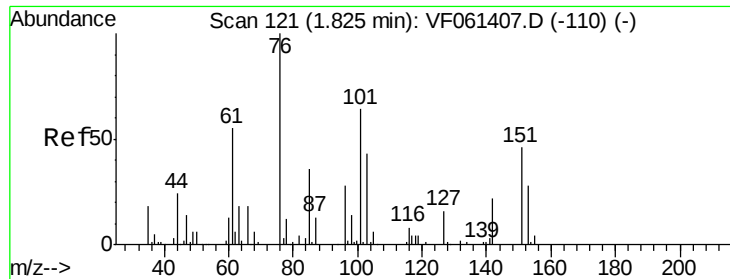
58 17.1 13.3 19.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

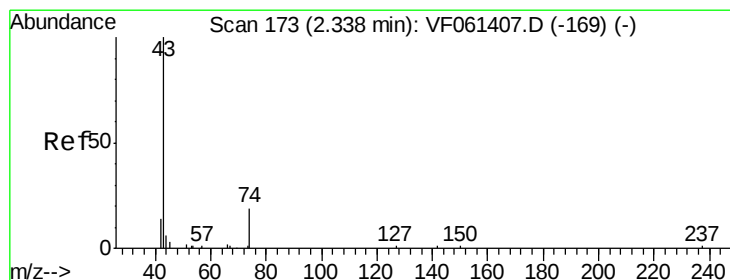
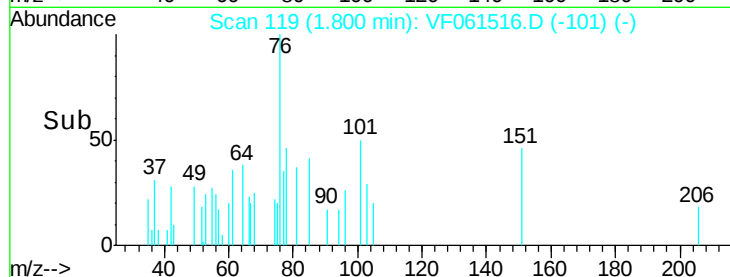
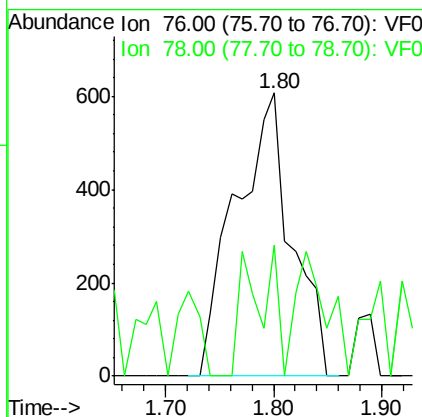
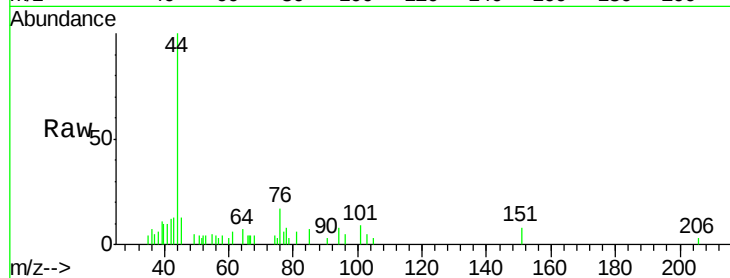




#17
Carbon Disulfide
Concen: 24.021 ug/l
RT: 1.80 min Scan# 119
Delta R.T. -0.02 min
Lab File: VF061516.D
Acq: 25 Jan 2019 12:44

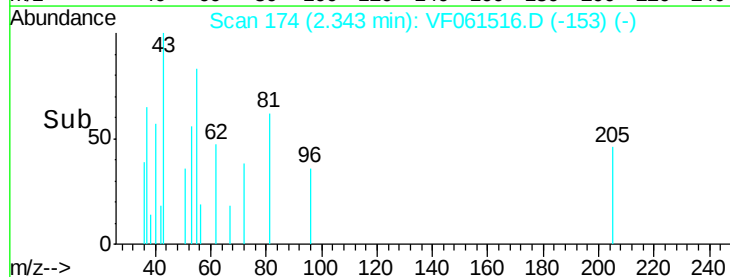
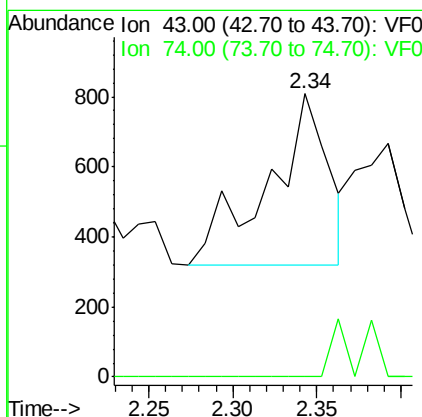
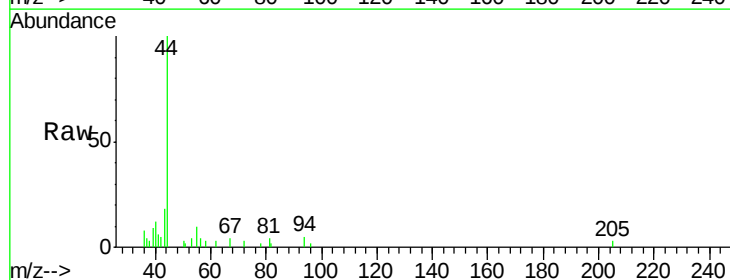
Instrument :
MSVOA_F
ClientSampleId :
VF01251SBS01

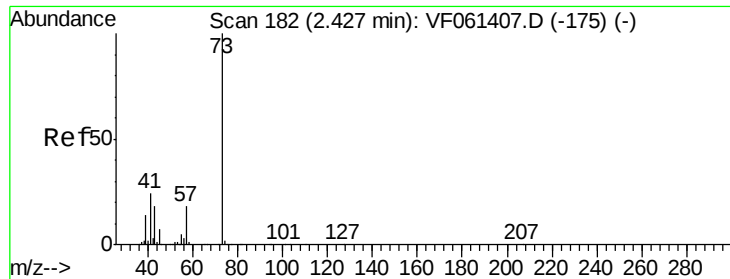
Tot Ion: 76 Resp: 2199
Ion Ratio Lower Upper
76 100
78 46.3 9.6 14.4#



#18
Methyl Acetate
Concen: 74.194 ug/l
RT: 2.34 min Scan# 174
Delta R.T. 0.00 min
Lab File: VF061516.D
Acq: 25 Jan 2019 12:44

Tgt Ion: 43 Resp: 1203
Ion Ratio Lower Upper
43 100
74 0.0 13.4 20.0#



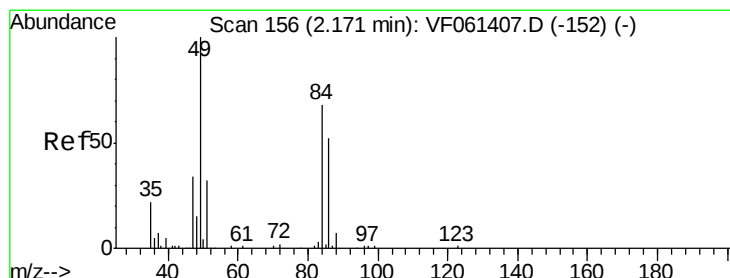
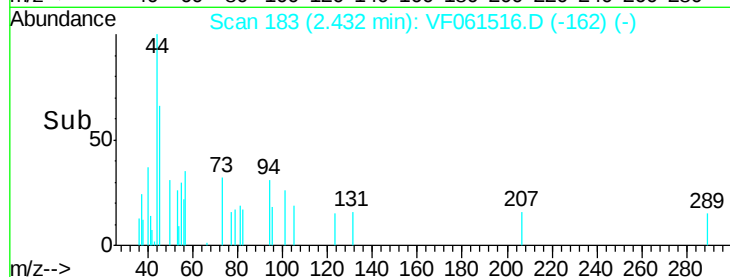
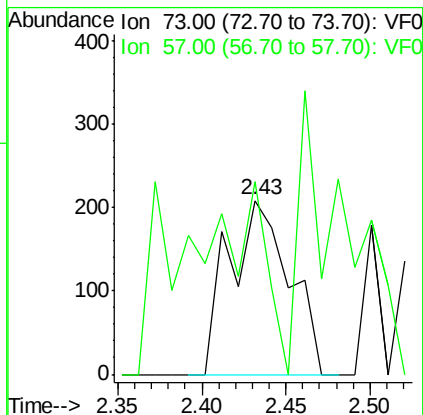
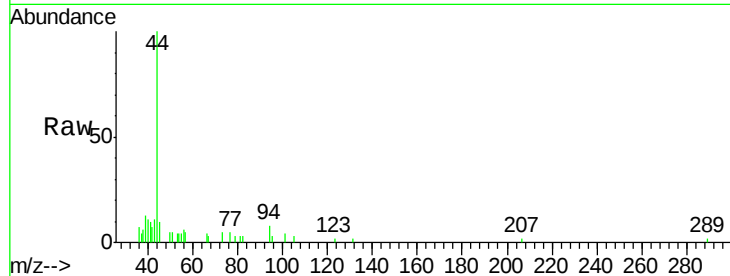


#19

Methyl tert-butyl Ether
 Concen: 7.886 ug/l
 RT: 2.43 min Scan# 183
 Delta R.T. 0.00 min
 Lab File: VF061516.D
 Acq: 25 Jan 2019 12:44

Instrument :
 MSVOA_F
 ClientSampleId :
 VF01251SBS01

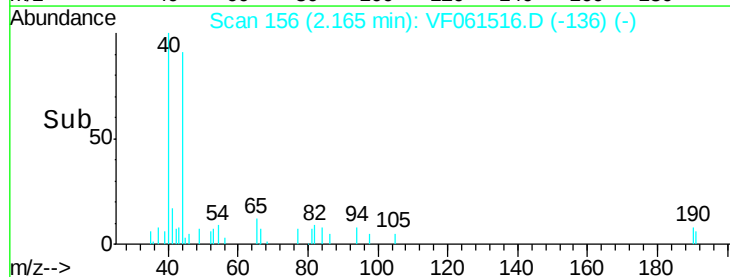
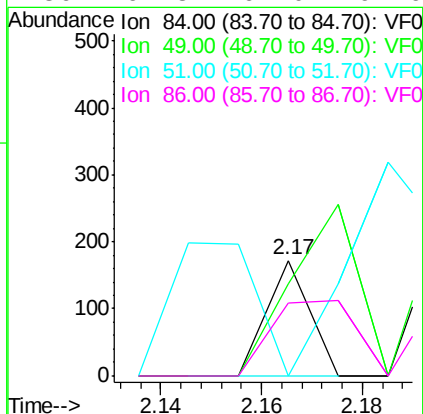
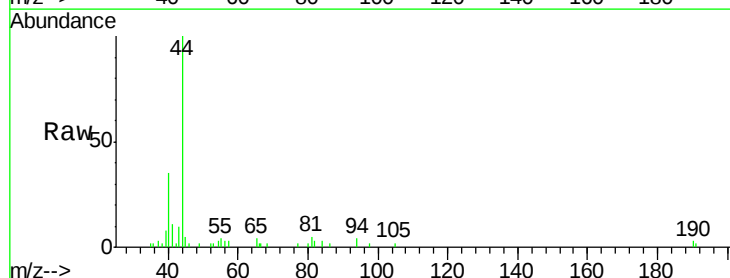
Tot Ion: 73 Resp: 519
 Ion Ratio Lower Upper
 73 100
 57 110.6 14.8 22.2#

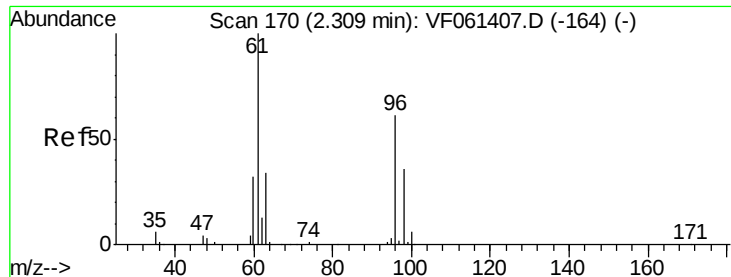


#20

Methylene Chloride
 Concen: 1.988 ug/l
 RT: 2.17 min Scan# 156
 Delta R.T. -0.00 min
 Lab File: VF061516.D
 Acq: 25 Jan 2019 12:44

Tgt Ion: 84 Resp: 102
 Ion Ratio Lower Upper
 84 100
 49 79.7 120.0 180.0#
 51 0.0 38.6 58.0#
 86 62.8 61.0 91.6





#21

trans-1,2-Dichloroethene

Concen: 31.175 ug/l

RT: 2.32 min Scan# 172

Delta R.T. 0.01 min

Lab File: VF061516.D

Acq: 25 Jan 2019 12:44

Instrument :

MSVOA_F

ClientSampleId :

VF01251SBS01

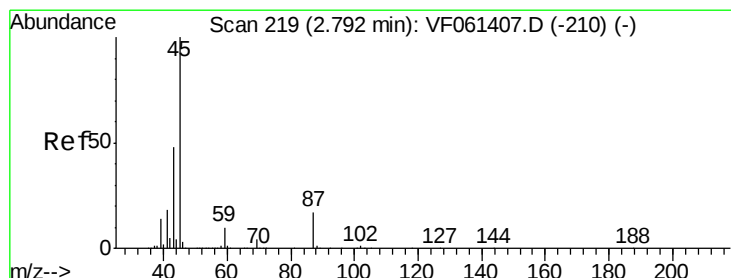
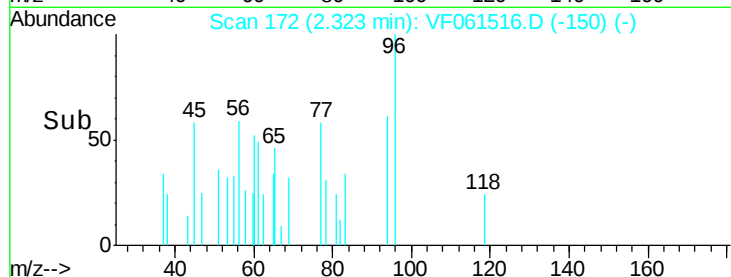
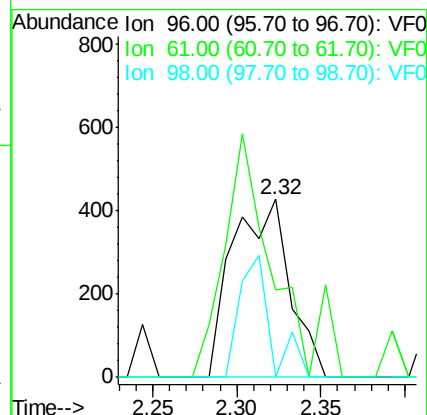
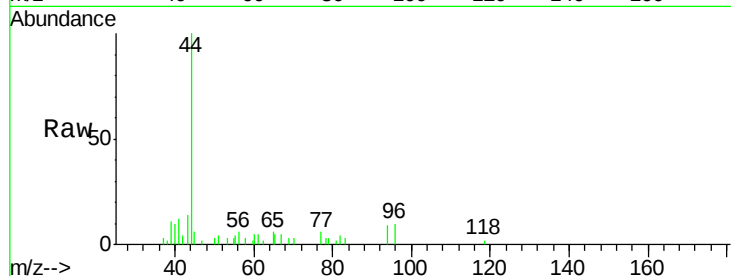
Tot Ion: 96 Resp: 1007

Ion Ratio Lower Upper

96 100

61 49.2 131.8 197.8#

98 0.0 47.4 71.0#



#22

Diisopropyl ether

Concen: 12.615 ug/l

RT: 2.81 min Scan# 221

Delta R.T. 0.01 min

Lab File: VF061516.D

Acq: 25 Jan 2019 12:44

Tgt Ion: 45 Resp: 1318

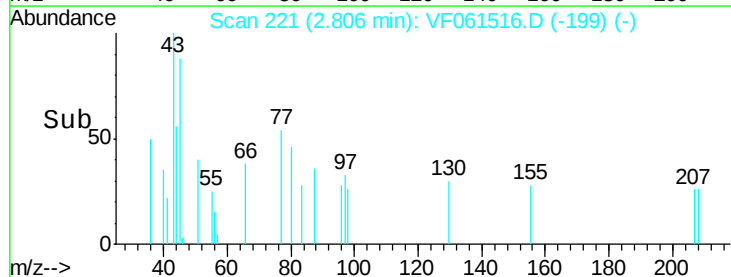
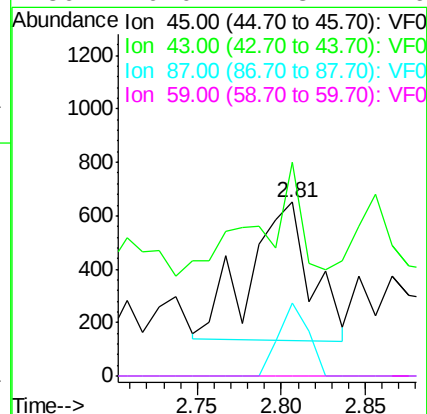
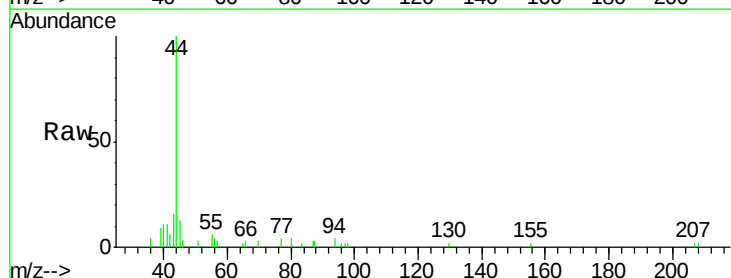
Ion Ratio Lower Upper

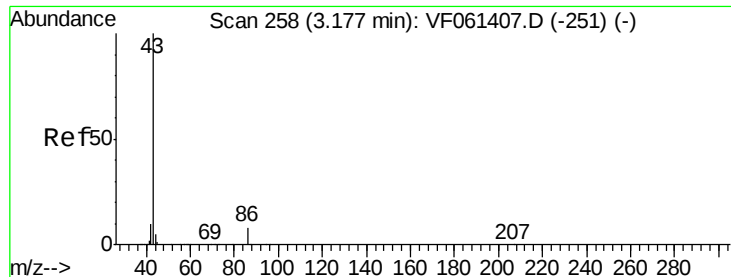
45 100

43 123.1 39.0 58.6#

87 41.7 13.9 20.9#

59 0.0 7.8 11.6#





#23

Vinyl Acetate

Concen: 13.785 ug/l

RT: 3.19 min Scan# 260

Delta R.T. 0.02 min

Lab File: VF061516.D

Acq: 25 Jan 2019 12:44

Instrument :

MSVOA_F

ClientSampled :

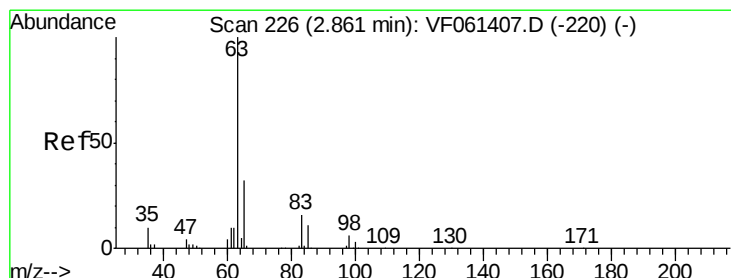
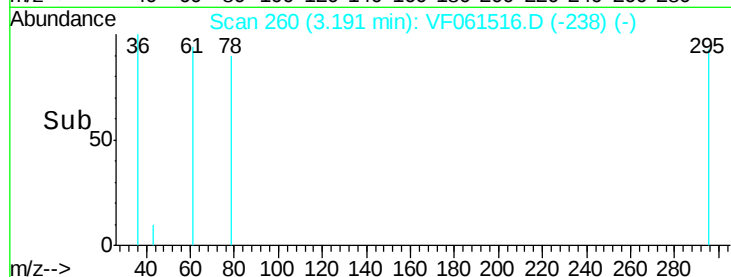
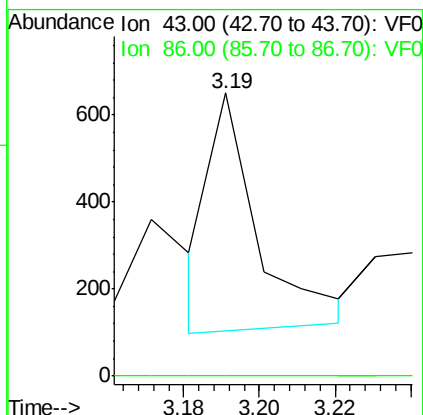
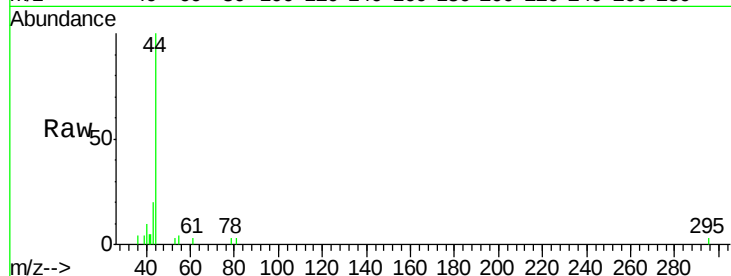
VF01251SBS01

Tot Ion: 43 Resp: 493

Ion Ratio Lower Upper

43 100

86 0.0 6.2 9.4#



#24

1,1-Dichloroethane

Concen: 20.176 ug/l

RT: 2.87 min Scan# 227

Delta R.T. 0.00 min

Lab File: VF061516.D

Acq: 25 Jan 2019 12:44

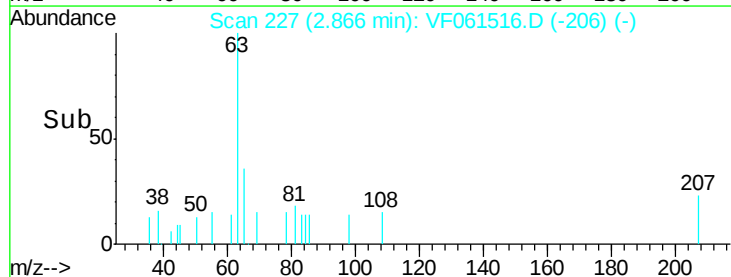
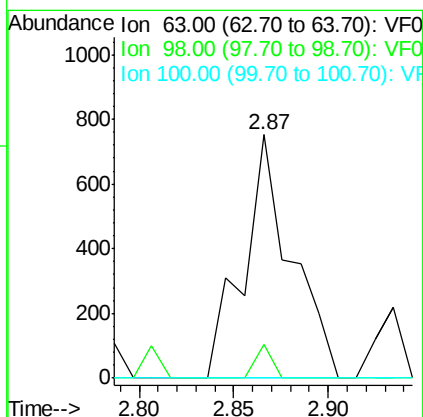
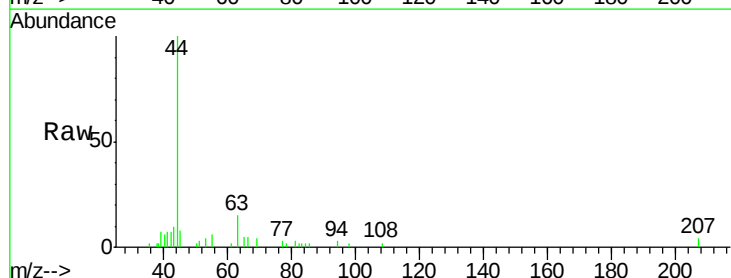
Tgt Ion: 63 Resp: 1323

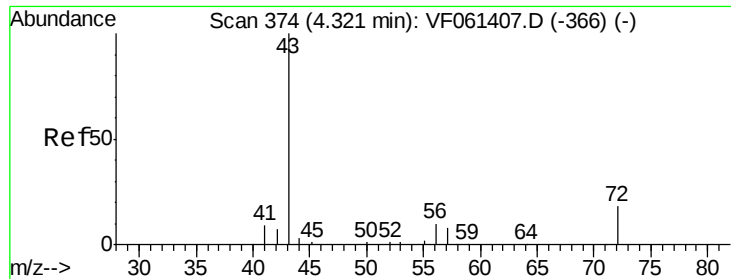
Ion Ratio Lower Upper

63 100

98 13.9 2.9 8.8#

100 0.0 1.6 4.8#





#25

2-Butanone

Concen: 62.370 ug/l

RT: 4.36 min Scan# 378

Delta R.T. 0.03 min

Lab File: VF061516.D

Acq: 25 Jan 2019 12:44

Instrument :

MSVOA_F

ClientSampleId :

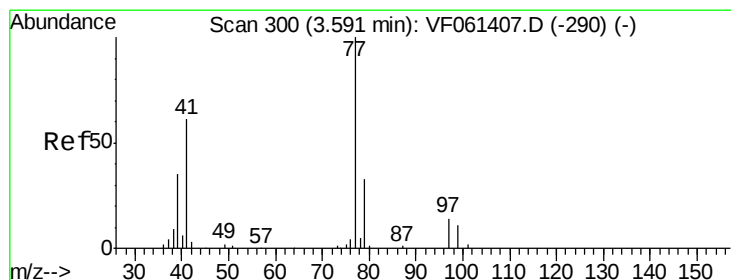
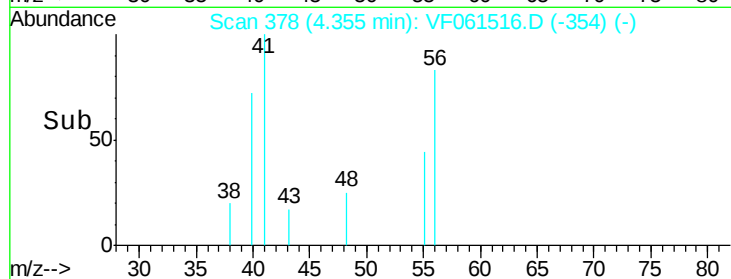
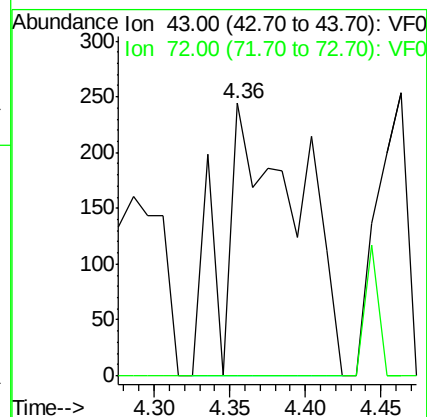
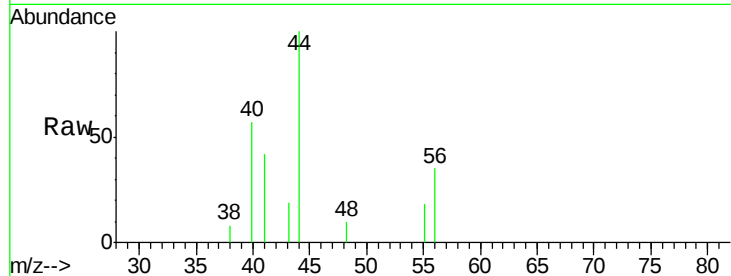
VF01251SBS01

Tot Ion: 43 Resp: 848

Ion Ratio Lower Upper

43 100

72 0.0 15.8 23.6#



#26

2,2-Dichloropropane

Concen: 30.431 ug/l

RT: 3.61 min Scan# 302

Delta R.T. 0.02 min

Lab File: VF061516.D

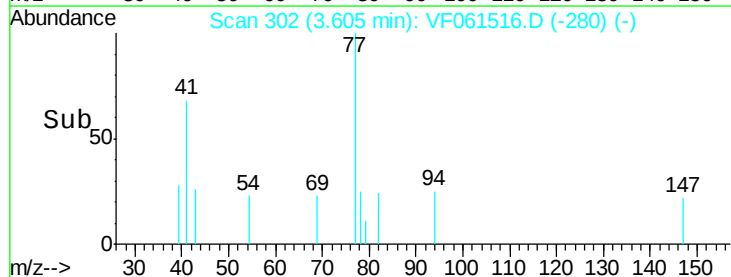
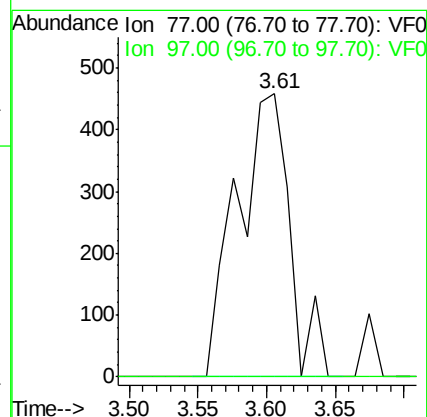
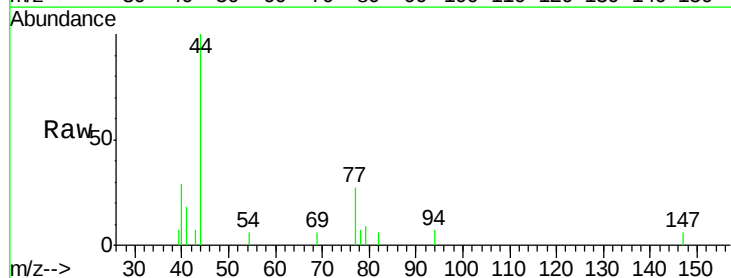
Acq: 25 Jan 2019 12:44

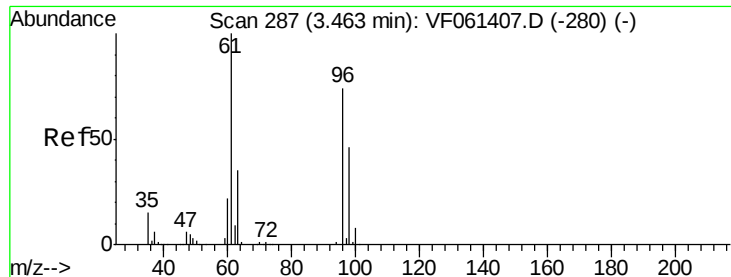
Tgt Ion: 77 Resp: 1226

Ion Ratio Lower Upper

77 100

97 0.0 8.5 25.5#



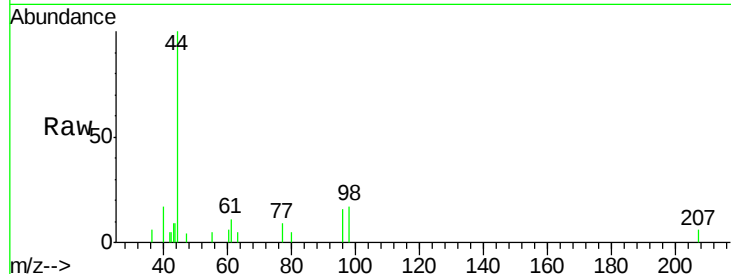


#27

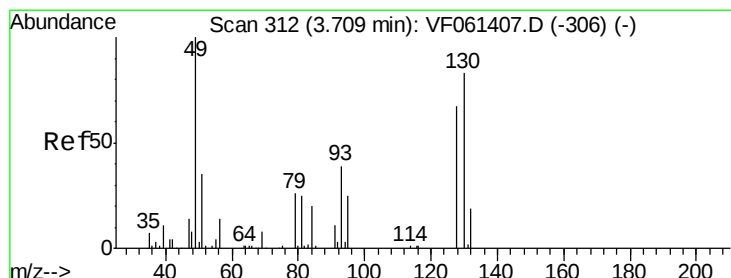
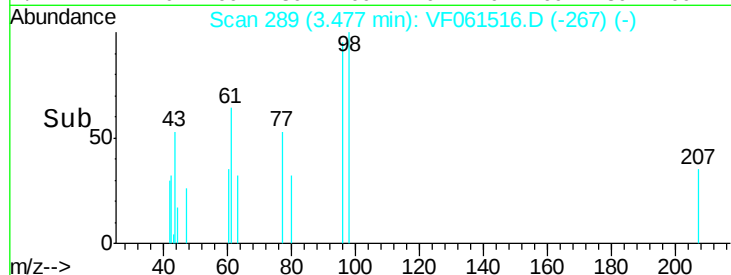
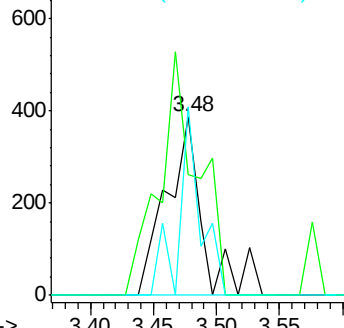
cis-1,2-Dichloroethene
Concen: 16.253 ug/l
RT: 3.48 min Scan# 289
Delta R.T. 0.01 min
Lab File: VF061516.D
Acq: 25 Jan 2019 12:44

Instrument :
MSVOA_F
ClientSampleId :
VF01251SBS01

Tot Ion: 96 Resp: 775
Ion Ratio Lower Upper
96 100
61 68.0 0.0 270.2
98 105.7 0.0 124.0



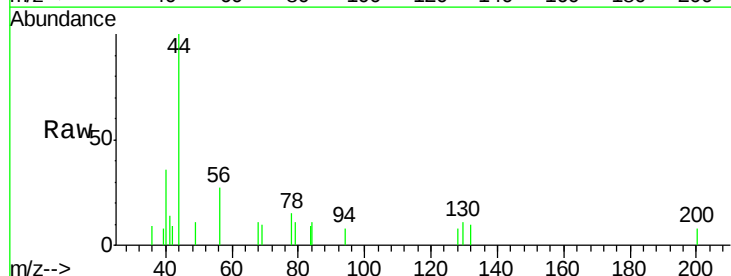
Abundance Ion 96.00 (95.70 to 96.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 98.00 (97.70 to 98.70): VF0



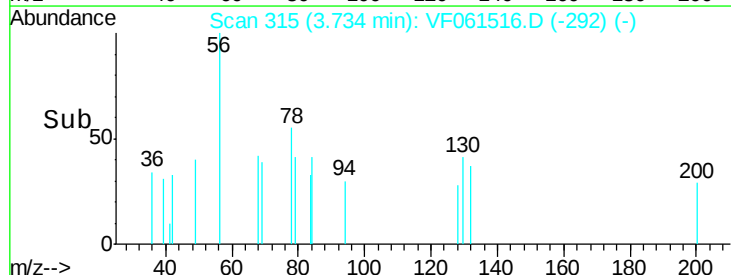
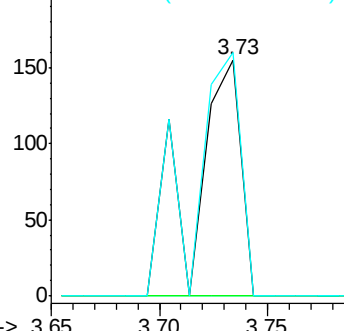
#28

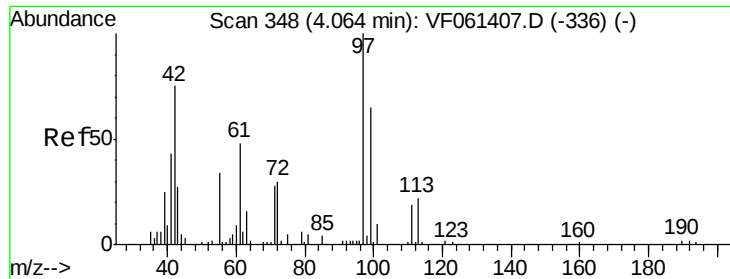
Bromochloromethane
Concen: 7.973 ug/l
RT: 3.73 min Scan# 315
Delta R.T. 0.02 min
Lab File: VF061516.D
Acq: 25 Jan 2019 12:44

Tgt Ion: 49 Resp: 235
Ion Ratio Lower Upper
49 100
129 0.0 0.0 0.0
130 103.2 65.4 98.2#



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





#29

Tetrahydrofuran

Concen: 37.237 ug/l

RT: 4.07 min Scan# 349

Delta R.T. 0.00 min

Lab File: VF061516.D

Acq: 25 Jan 2019 12:44

Instrument :

MSVOA_F

ClientSampleId :

VF01251SBS01

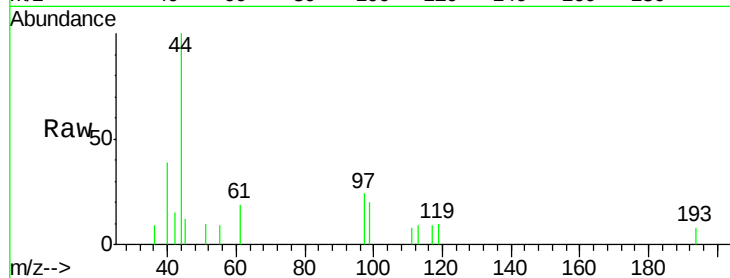
Tot Ion: 42 Resp: 218

Ion Ratio Lower Upper

42 100

72 0.0 28.9 43.3#

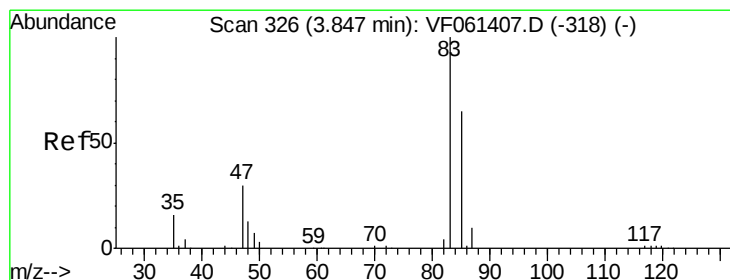
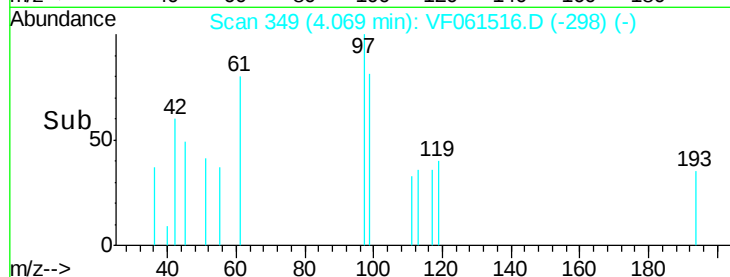
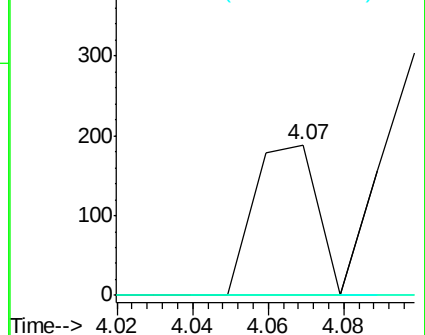
71 0.0 29.6 44.4#



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: 14.430 ug/l

RT: 3.85 min Scan# 327

Delta R.T. 0.00 min

Lab File: VF061516.D

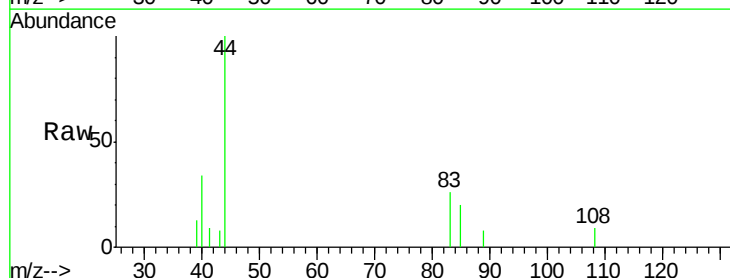
Acq: 25 Jan 2019 12:44

Tgt Ion: 83 Resp: 1277

Ion Ratio Lower Upper

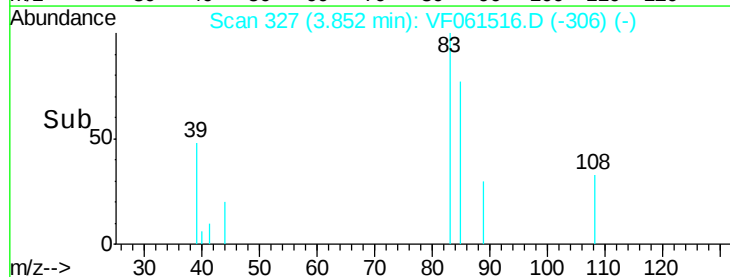
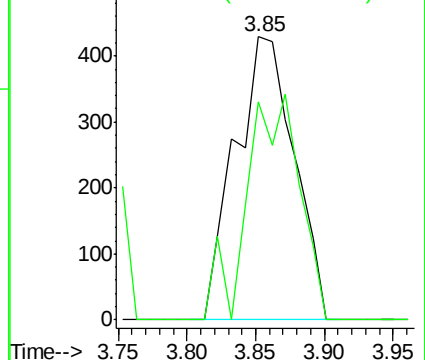
83 100

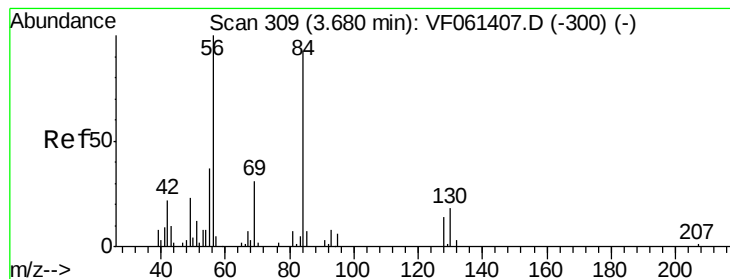
85 77.2 52.7 79.1



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0





#31

Cyclohexane

Concen: 17.679 ug/l

RT: 3.68 min Scan# 310

Delta R.T. 0.00 min

Lab File: VF061516.D

Acq: 25 Jan 2019 12:44

Instrument :

MSVOA_F

ClientSampleId :

VF01251SBS01

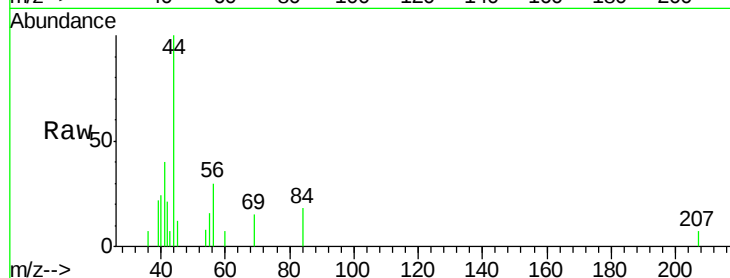
Tot Ion: 56 Resp: 1158

Ion Ratio Lower Upper

56 100

69 51.0 24.6 36.8#

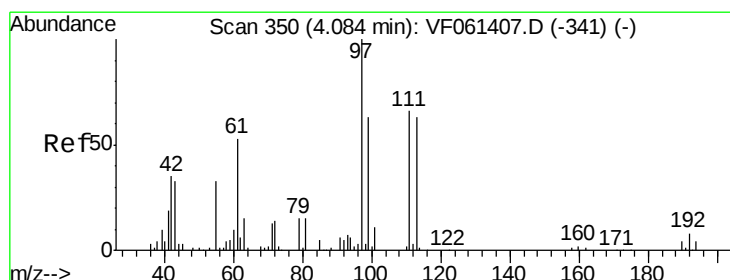
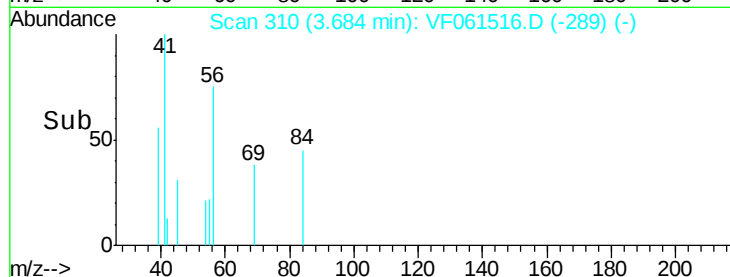
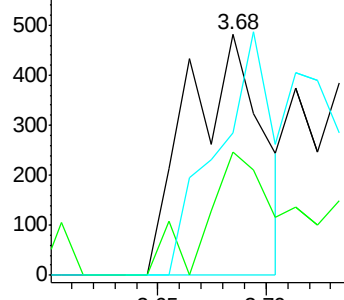
84 59.3 74.2 111.2#



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: 10.002 ug/l

RT: 4.08 min Scan# 350

Delta R.T. -0.01 min

Lab File: VF061516.D

Acq: 25 Jan 2019 12:44

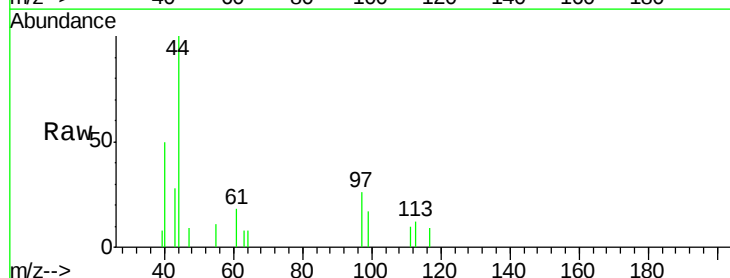
Tgt Ion: 97 Resp: 649

Ion Ratio Lower Upper

97 100

99 64.0 50.1 75.1

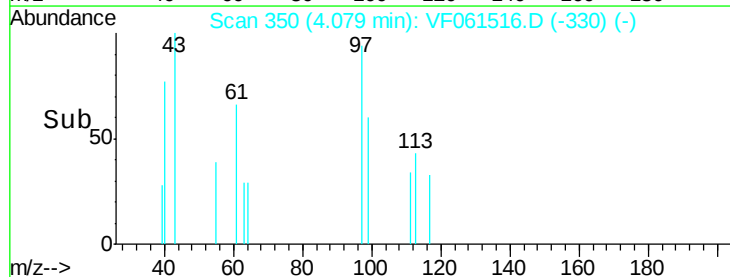
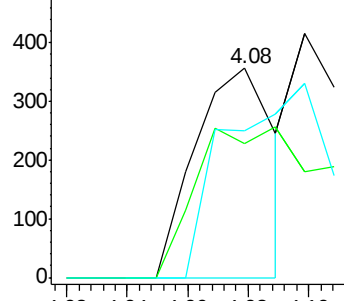
61 69.9 43.1 64.7#

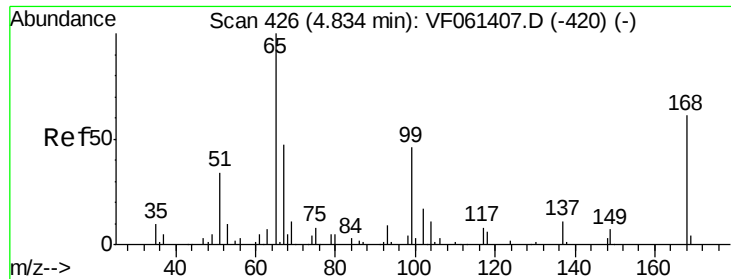


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#33

1,2-Dichloroethane-d4

Concen: 24.095 ug/l

RT: 4.85 min Scan# 428

Delta R.T. 0.01 min

Lab File: VF061516.D

Acq: 25 Jan 2019 12:44

Instrument :

MSVOA_F

ClientSampleId :

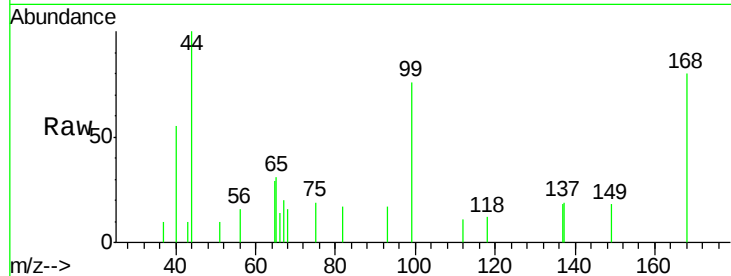
VF01251SBS01

Tot Ion: 65 Resp: 982

Ion Ratio Lower Upper

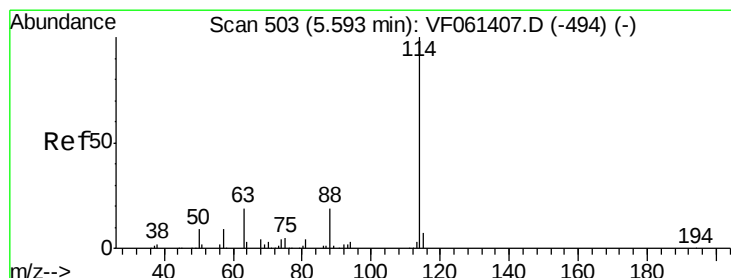
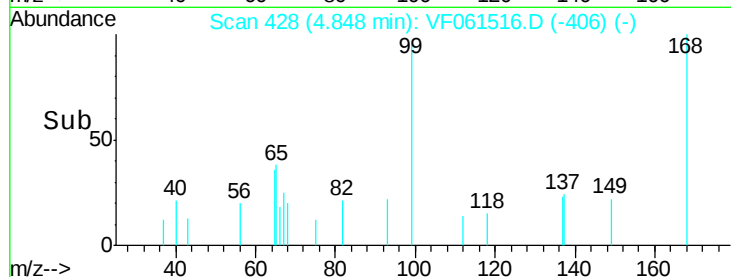
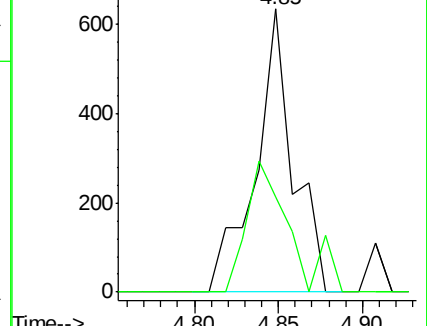
65 100

67 33.4 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. 0.00 min

Lab File: VF061516.D

Acq: 25 Jan 2019 12:44

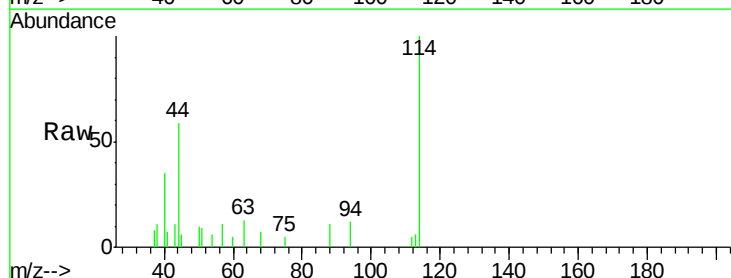
Tgt Ion: 114 Resp: 4441

Ion Ratio Lower Upper

114 100

63 12.7 0.0 39.0

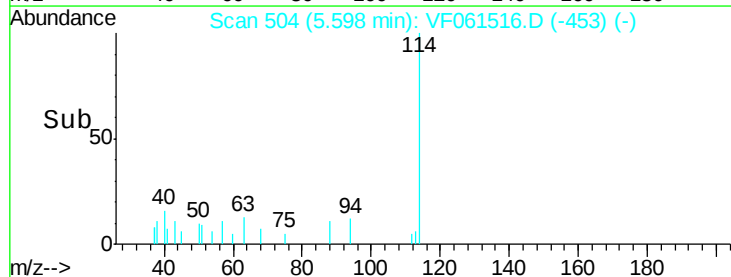
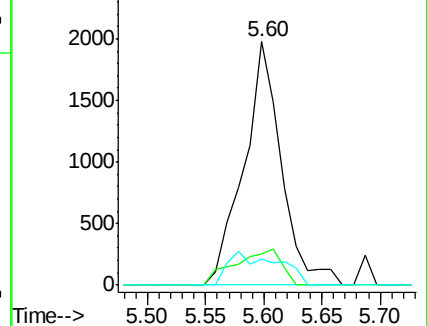
88 10.9 0.0 37.4

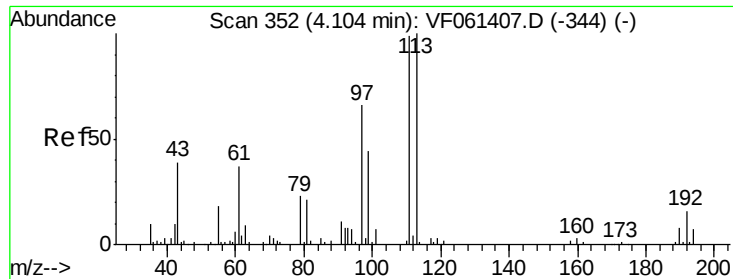


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 37.753 ug/l

RT: 4.12 min Scan# 354

Delta R.T. 0.01 min

Lab File: VF061516.D

Acq: 25 Jan 2019 12:44

Instrument :

MSVOA_F

ClientSampleId :

VF01251SBS01

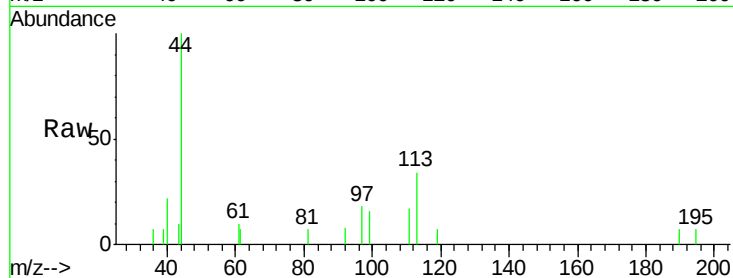
Tot Ion:113 Resp: 1323

Ion Ratio Lower Upper

113 100

111 50.9 79.4 119.0#

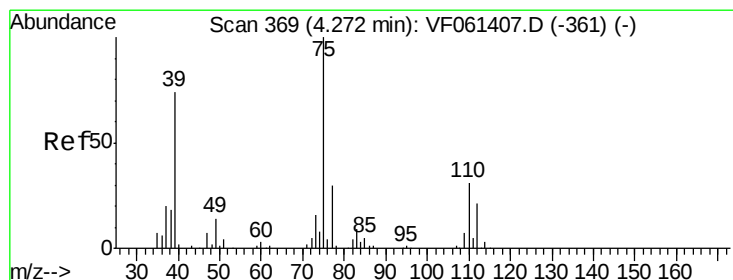
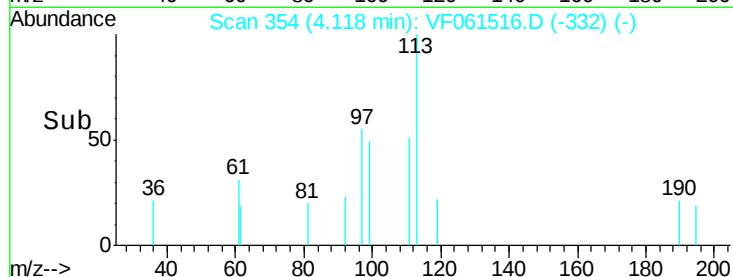
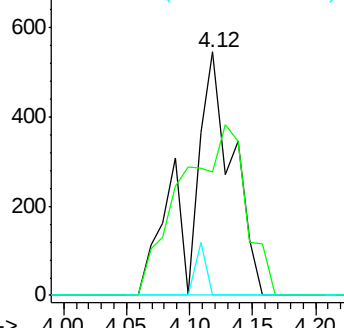
192 0.0 12.4 18.6#



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: 36.764 ug/l

RT: 4.27 min Scan# 369

Delta R.T. -0.01 min

Lab File: VF061516.D

Acq: 25 Jan 2019 12:44

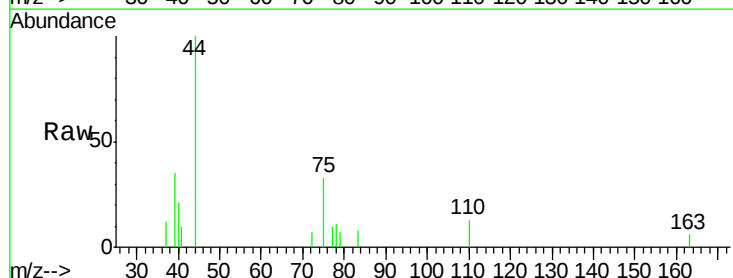
Tgt Ion: 75 Resp: 1893

Ion Ratio Lower Upper

75 100

110 39.4 15.8 47.3

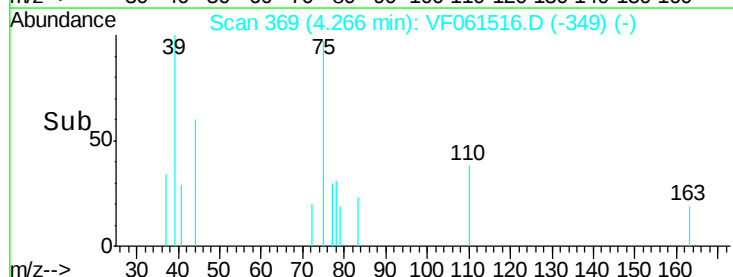
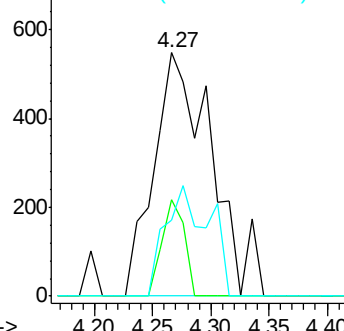
77 31.2 24.0 36.0

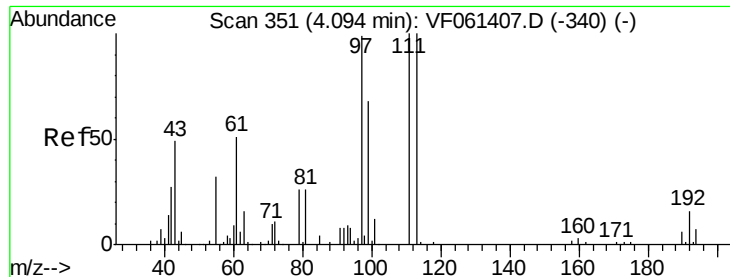


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0





#37

Ethyl Acetate

Concen: 17.782 ug/l

RT: 4.08 min Scan# 350

Delta R.T. -0.02 min

Lab File: VF061516.D

Acq: 25 Jan 2019 12:44

Instrument :

MSVOA_F

ClientSampleId :

VF01251SBS01

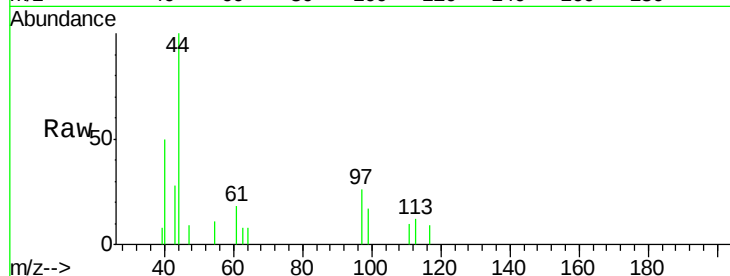
Tot Ion: 43 Resp: 366

Ion Ratio Lower Upper

43 100

61 65.5 81.7 122.5#

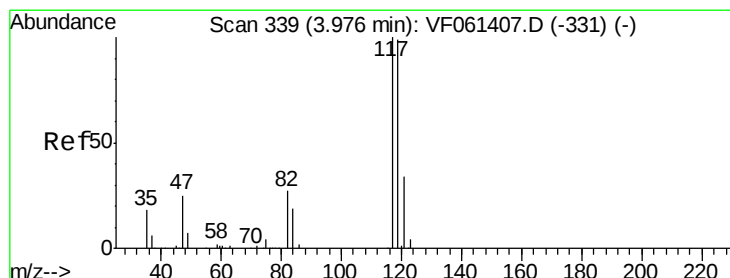
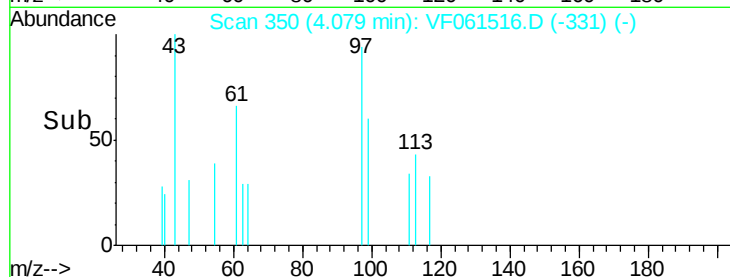
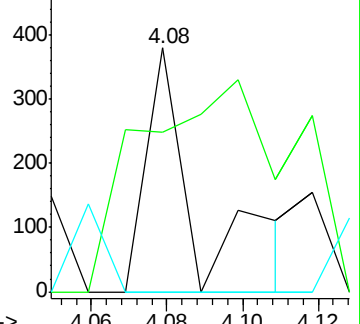
70 0.0 6.2 9.2#



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: 33.344 ug/l

RT: 3.99 min Scan# 341

Delta R.T. 0.01 min

Lab File: VF061516.D

Acq: 25 Jan 2019 12:44

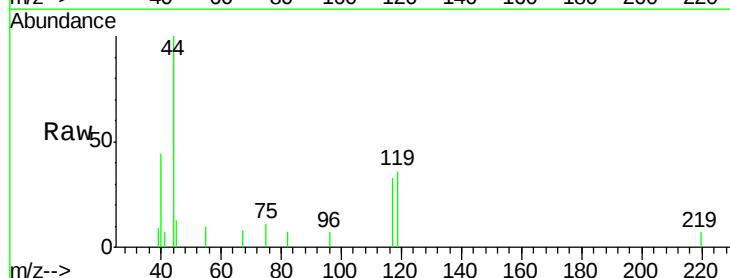
Tgt Ion: 117 Resp: 1501

Ion Ratio Lower Upper

117 100

119 106.9 79.0 118.6

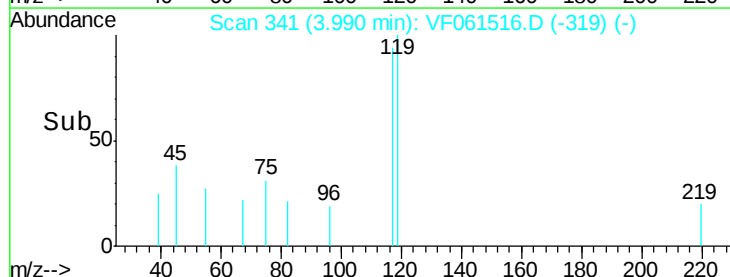
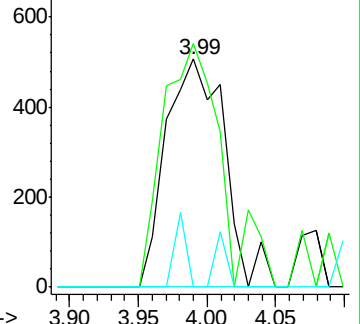
121 0.0 27.0 40.6#

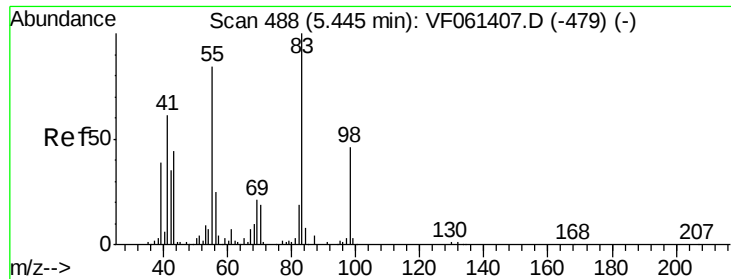


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V

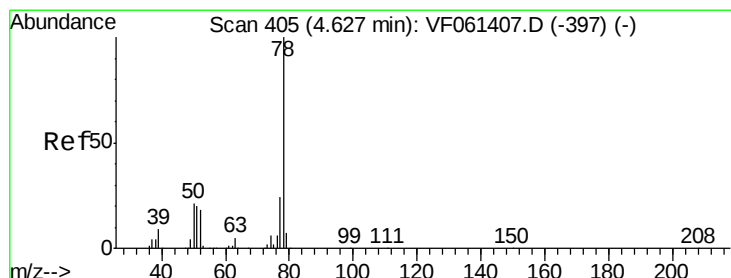
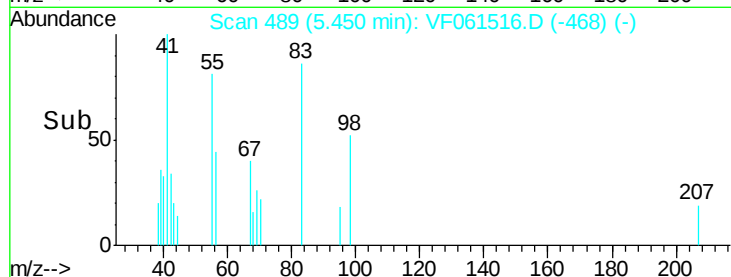
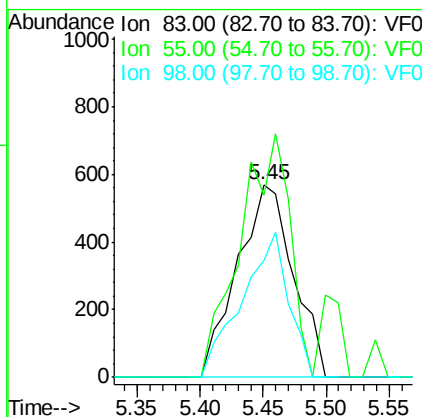
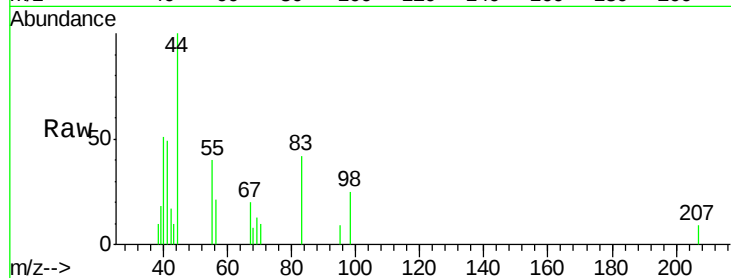




#39
Methvlcvclohexane
Concen: 31.594 ug/l
RT: 5.45 min Scan# 489
Delta R.T. 0.00 min
Lab File: VF061516.D
Acq: 25 Jan 2019 12:44

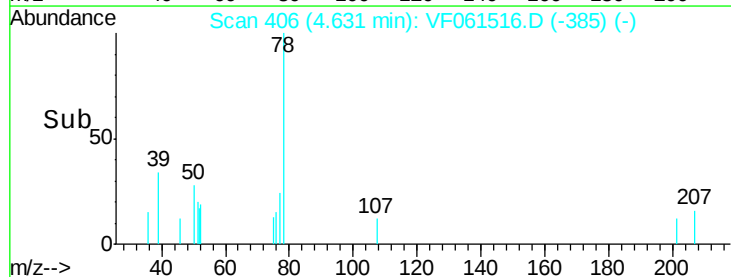
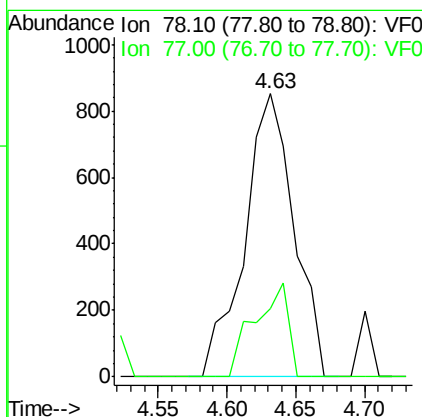
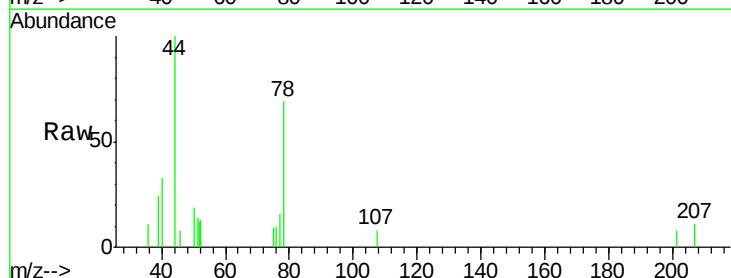
Instrument :
MSVOA_F
ClientSampleId :
VF01251SBS01

Tot Ion: 83 Resp: 1763
Ion Ratio Lower Upper
83 100
55 94.9 67.4 101.2
98 60.6 36.7 55.1#



#40
Benzene
Concen: 18.555 ug/l
RT: 4.63 min Scan# 406
Delta R.T. 0.00 min
Lab File: VF061516.D
Acq: 25 Jan 2019 12:44

Tgt Ion: 78 Resp: 2126
Ion Ratio Lower Upper
78 100
77 24.1 19.0 28.6





#41

Methacrylonitrile

Concen: 6.118 ug/l

RT: 4.74 min Scan# 417

Delta R.T. 0.00 min

Lab File: VF061516.D

Acq: 25 Jan 2019 12:44

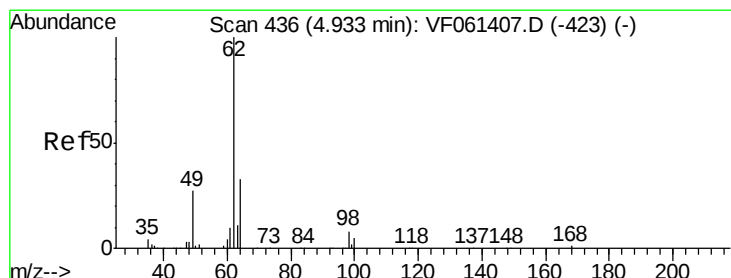
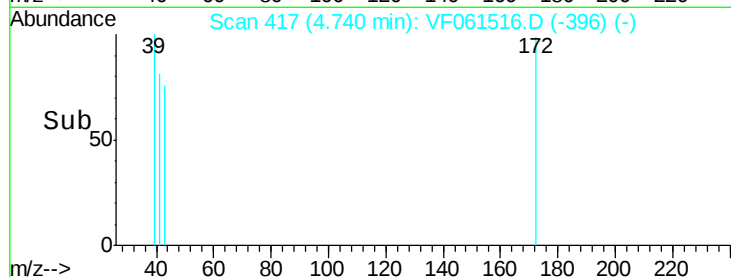
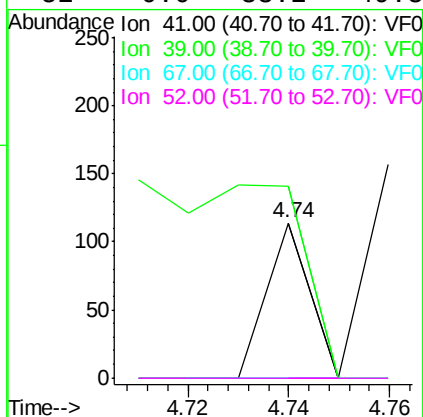
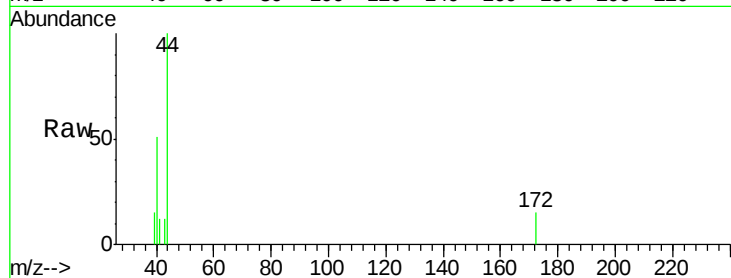
Instrument :

MSVOA_F

ClientSampleId :

VF01251SBS01

Tot Ion:	41	Resp:	67
Ion	Ratio	Lower	Upper
41	100		
39	123.7	43.1	64.7#
67	0.0	38.8	58.2#
52	0.0	33.2	49.8#



#42

1,2-Dichloroethane

Concen: 8.327 ug/l

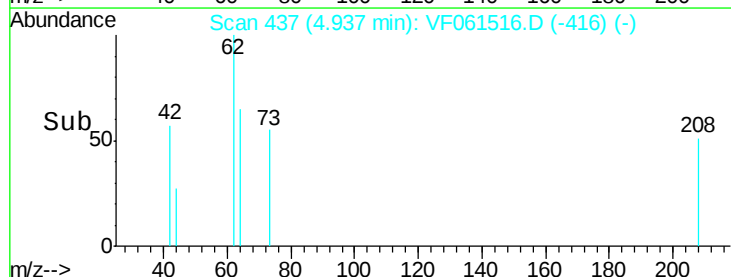
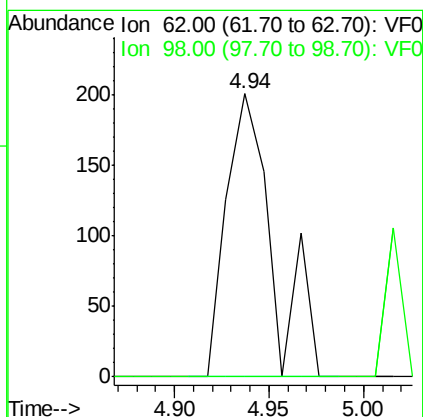
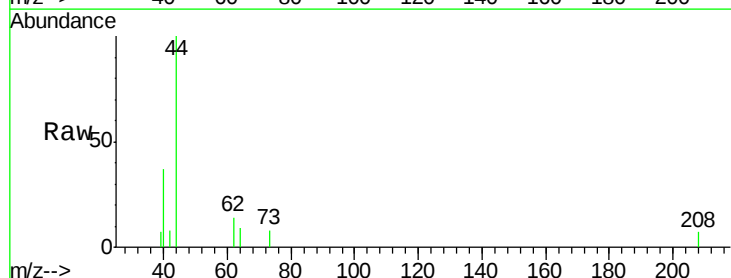
RT: 4.94 min Scan# 437

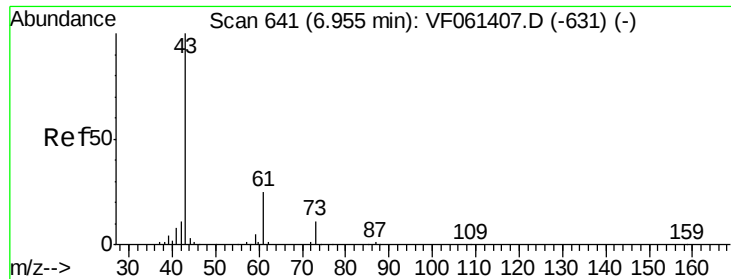
Delta R.T. 0.00 min

Lab File: VF061516.D

Acq: 25 Jan 2019 12:44

Tgt Ion:	62	Resp:	340
Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	17.0



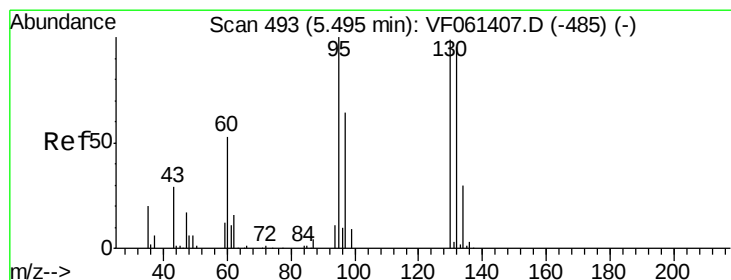
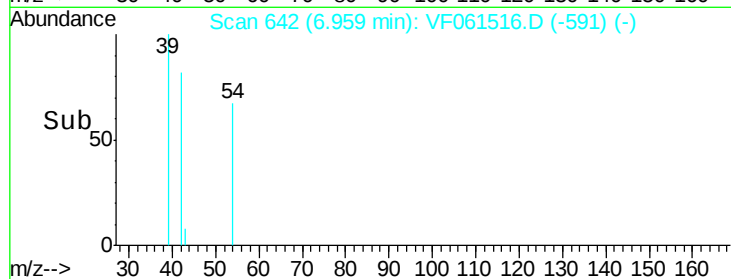
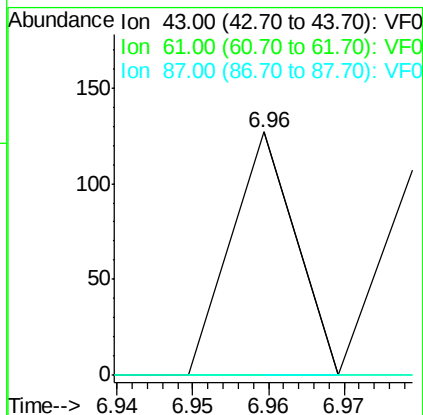
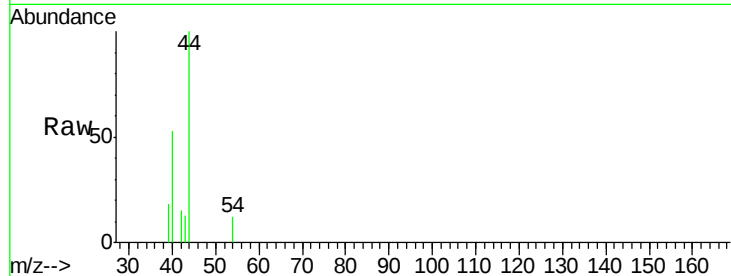


#43

Isopropyl Acetate
 Concen: 2.903 ug/l
 RT: 6.96 min Scan# 642
 Delta R.T. 0.00 min
 Lab File: VF061516.D
 Acq: 25 Jan 2019 12:44

Instrument :
 MSVOA_F
 ClientSampleId :
 VF01251SBS01

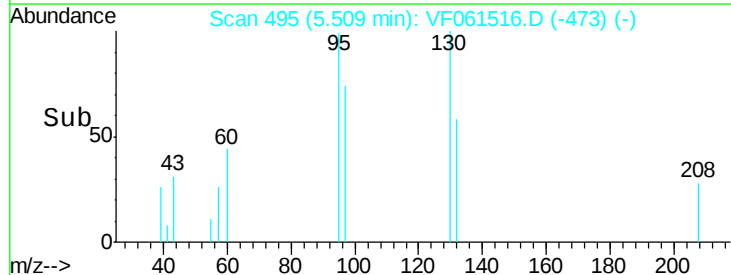
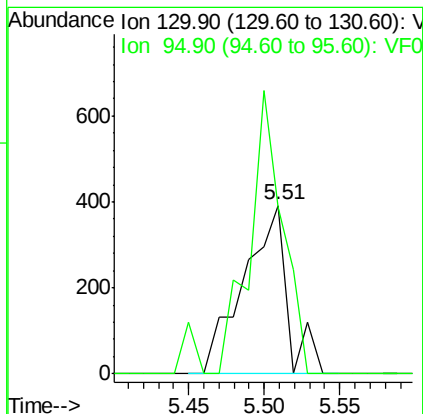
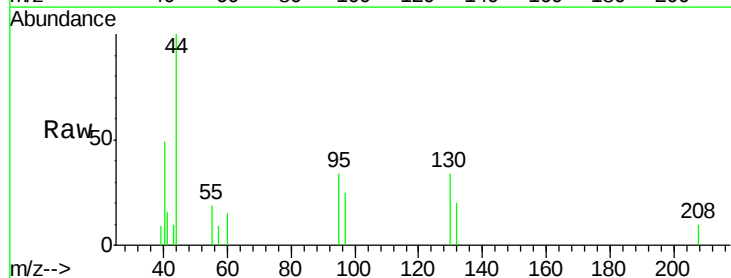
Tot Ion: 43 Resp: 75
 Ion Ratio Lower Upper
 43 100
 61 0.0 20.3 30.5#
 87 0.0 0.5 0.7#

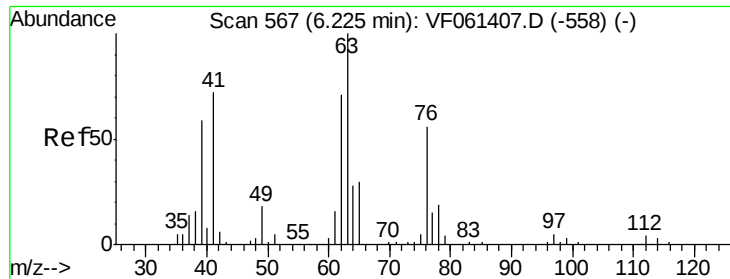


#44

Trichloroethene
 Concen: 22.533 ug/l
 RT: 5.51 min Scan# 495
 Delta R.T. 0.01 min
 Lab File: VF061516.D
 Acq: 25 Jan 2019 12:44

Tgt Ion: 130 Resp: 792
 Ion Ratio Lower Upper
 130 100
 95 99.0 0.0 202.8

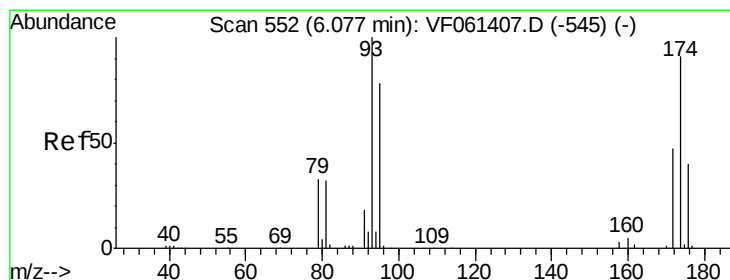
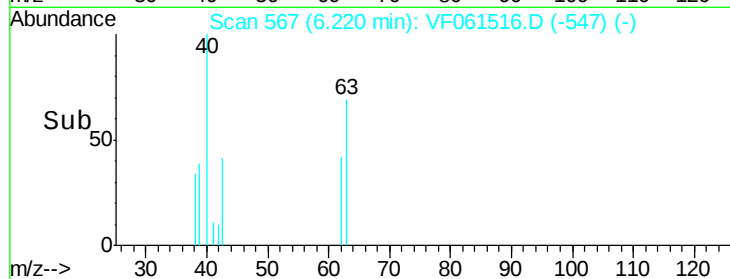
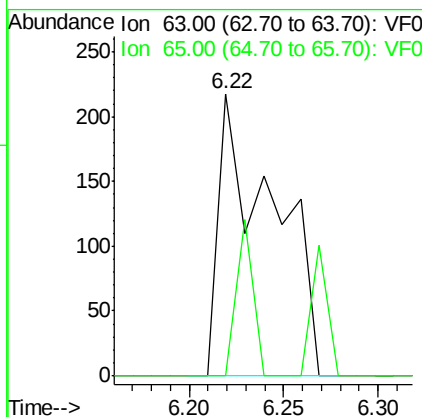
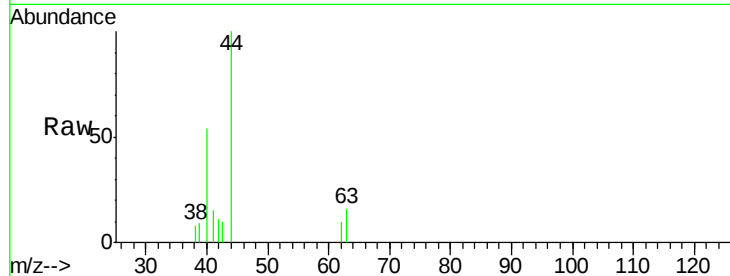




#45
 1,2-Dichloropropane
 Concen: 14.466 ug/l
 RT: 6.22 min Scan# 567
 Delta R.T. -0.01 min
 Lab File: VF061516.D
 Acq: 25 Jan 2019 12:44

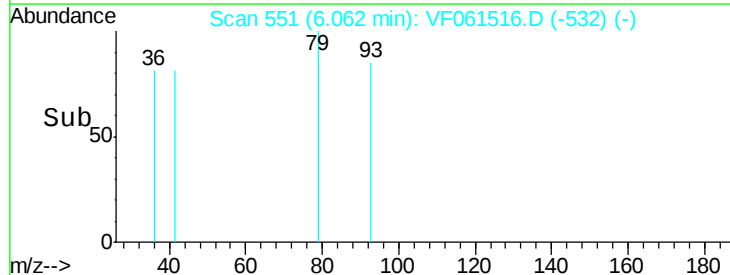
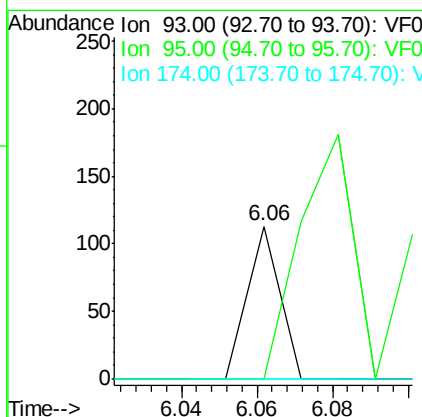
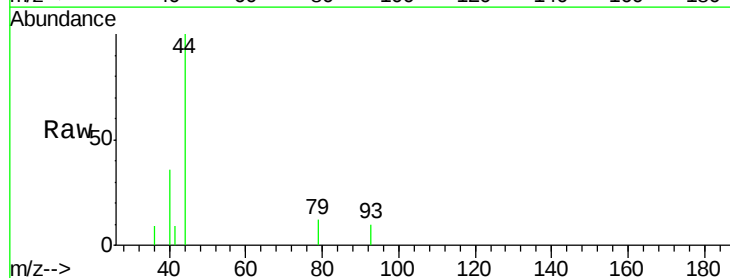
Instrument :
 MSVOA_F
 ClientSampleId :
 VF01251SBS01

Tot Ion: 63 Resp: 435
 Ion Ratio Lower Upper
 63 100
 65 0.0 24.4 36.6#



#46
 Dibromomethane
 Concen: 3.351 ug/l
 RT: 6.06 min Scan# 551
 Delta R.T. -0.02 min
 Lab File: VF061516.D
 Acq: 25 Jan 2019 12:44

Tgt Ion: 93 Resp: 67
 Ion Ratio Lower Upper
 93 100
 95 0.0 62.1 93.1#
 174 0.0 74.6 111.8#





#47

Bromodichloromethane

Concen: 16.130 ug/l

RT: 6.38 min Scan# 583

Delta R.T. 0.00 min

Lab File: VF061516.D

Acq: 25 Jan 2019 12:44

Instrument :

MSVOA_F

ClientSampleId :

VF01251SBS01

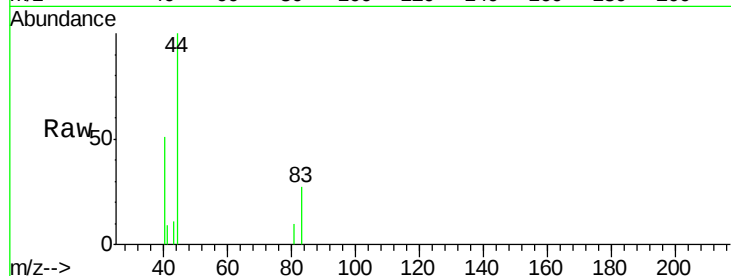
Tot Ion: 83 Resp: 798

Ion Ratio Lower Upper

83 100

85 0.0 53.0 79.4#

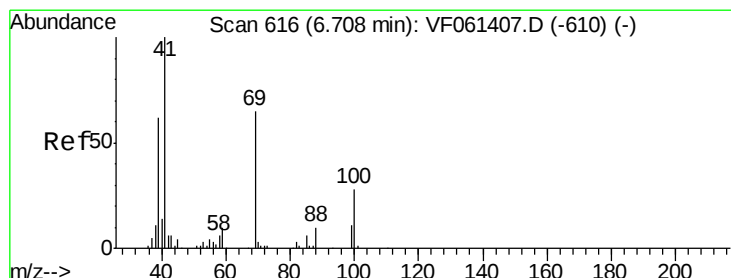
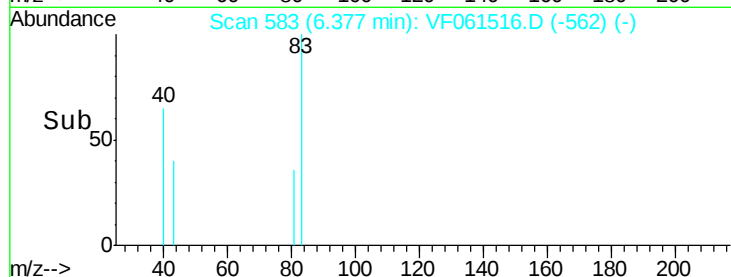
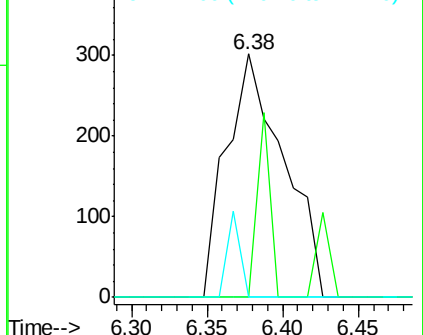
127 0.0 6.9 10.3#



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 11.184 ug/l

RT: 6.71 min Scan# 617

Delta R.T. 0.00 min

Lab File: VF061516.D

Acq: 25 Jan 2019 12:44

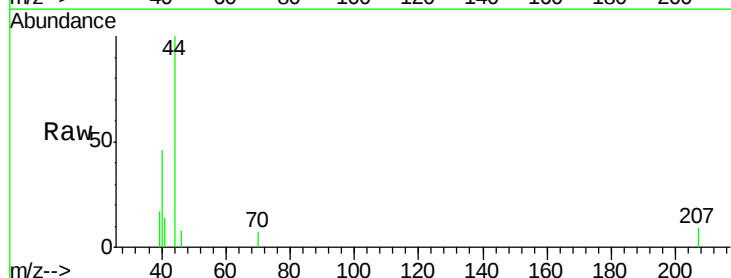
Tgt Ion: 41 Resp: 194

Ion Ratio Lower Upper

41 100

69 0.0 51.7 77.5#

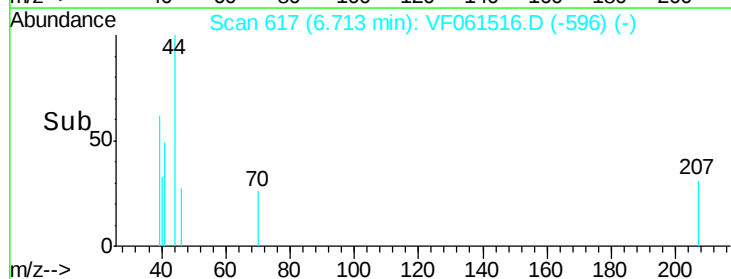
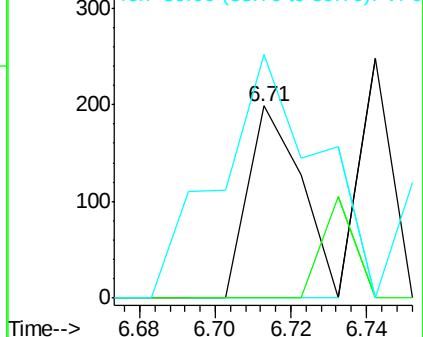
39 126.6 49.2 73.8#

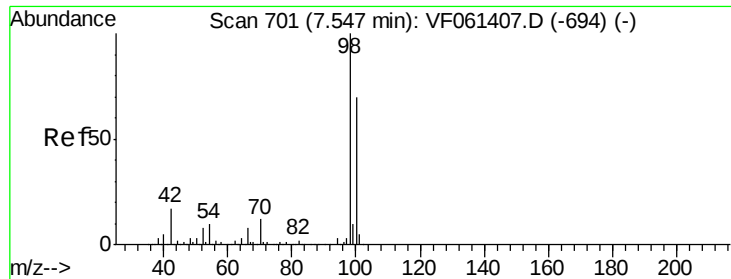


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#50

Toluene-d8

Concen: 46.973 ug/l

RT: 7.55 min Scan# 702

Delta R.T. 0.00 min

Lab File: VF061516.D

Acq: 25 Jan 2019 12:44

Instrument :

MSVOA_F

ClientSampleId :

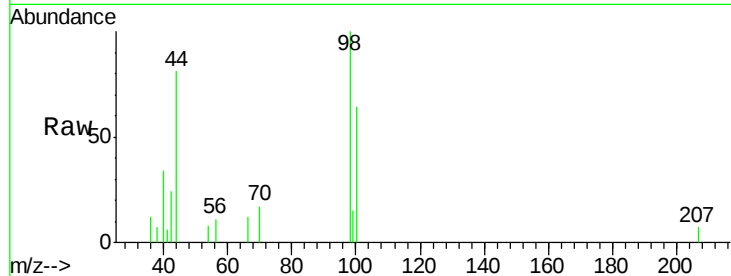
VF01251SBS01

Tot Ion: 98 Resp: 4510

Ion Ratio Lower Upper

98 100

100 64.1 55.6 83.4



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

2000

1500

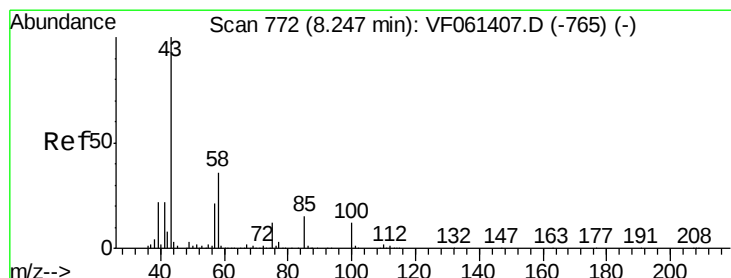
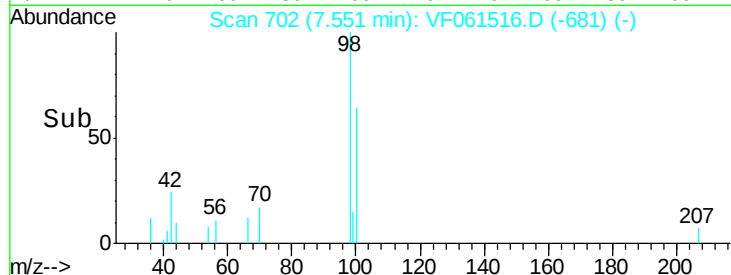
1000

500

0

7.45 7.50 7.55 7.60 7.65

Time-->



#51

4-Methyl-2-Pentanone

Concen: 10.005 ug/l

RT: 8.21 min Scan# 769

Delta R.T. -0.03 min

Lab File: VF061516.D

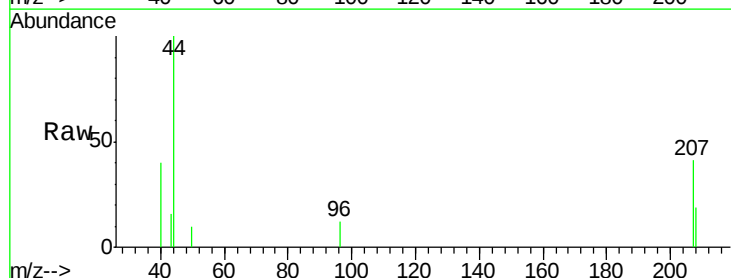
Acq: 25 Jan 2019 12:44

Tgt Ion: 43 Resp: 190

Ion Ratio Lower Upper

43 100

58 0.0 28.8 43.2#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

200

150

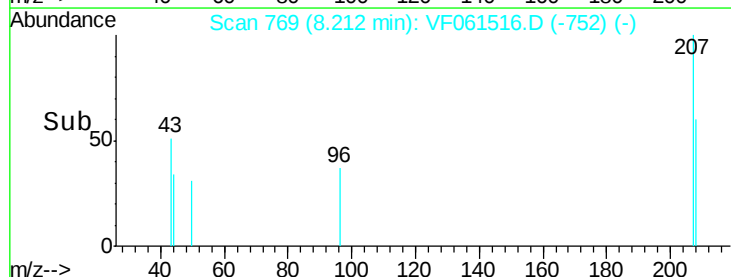
100

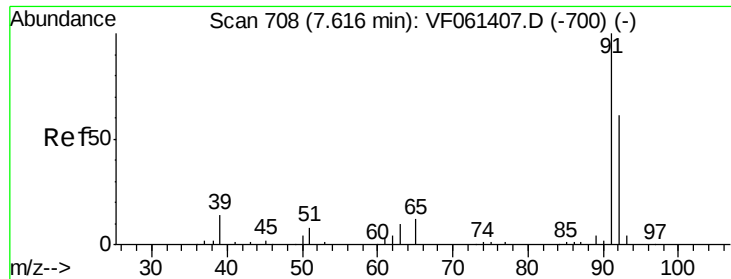
50

0

8.16 8.18 8.20 8.22 8.24

Time-->





#52

Toluene

Concen: 22.875 ug/l

RT: 7.63 min Scan# 710

Delta R.T. 0.01 min

Lab File: VF061516.D

Acq: 25 Jan 2019 12:44

Instrument :

MSVOA_F

ClientSampleId :

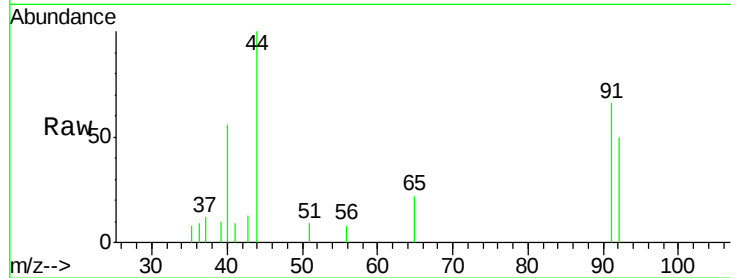
VF01251SBS01

Tot Ion: 92 Resp: 1726

Ion Ratio Lower Upper

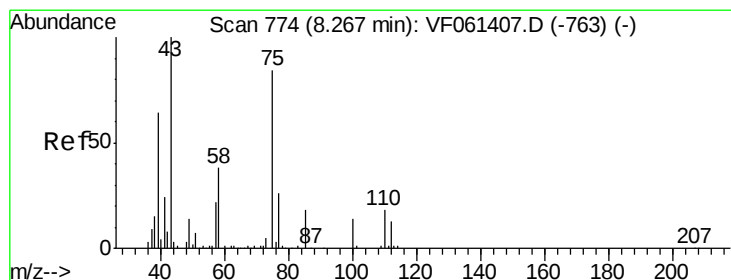
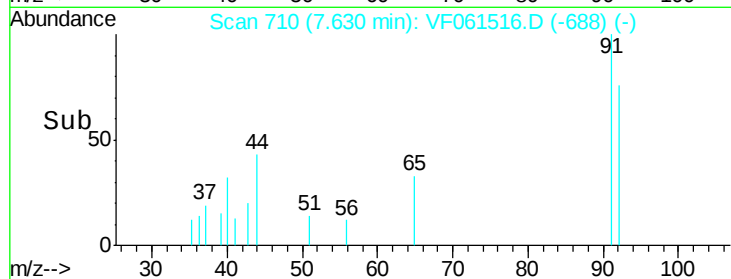
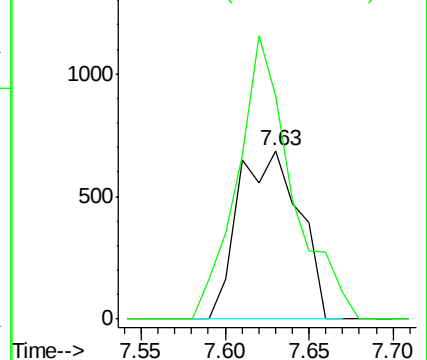
92 100

91 132.4 131.2 196.8



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0



#53

t-1,3-Dichloropropene

Concen: 4.531 ug/l

RT: 8.28 min Scan# 776

Delta R.T. 0.01 min

Lab File: VF061516.D

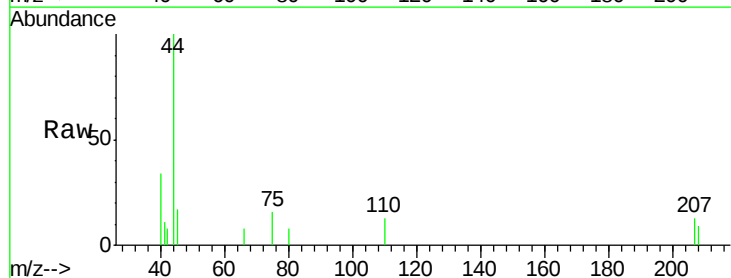
Acq: 25 Jan 2019 12:44

Tgt Ion: 75 Resp: 178

Ion Ratio Lower Upper

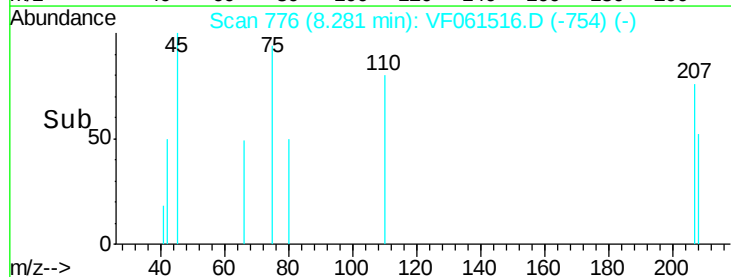
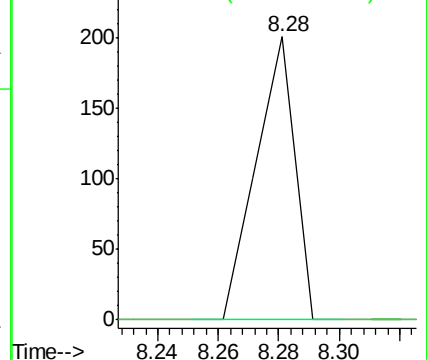
75 100

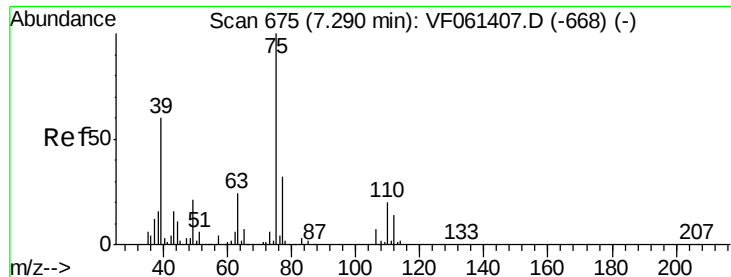
77 0.0 24.4 36.6#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#54

cis-1,3-Dichloropropene

Concen: 11.710 ug/l

RT: 7.29 min Scan# 676

Delta R.T. 0.00 min

Lab File: VF061516.D

Acq: 25 Jan 2019 12:44

Instrument :

MSVOA_F

ClientSampleId :

VF01251SBS01

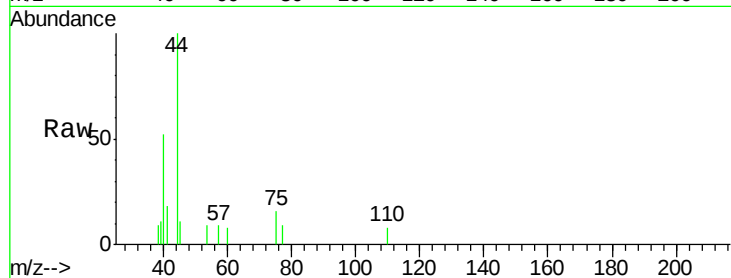
Tot Ion: 75 Resp: 575

Ion Ratio Lower Upper

75 100

77 53.7 25.4 38.0#

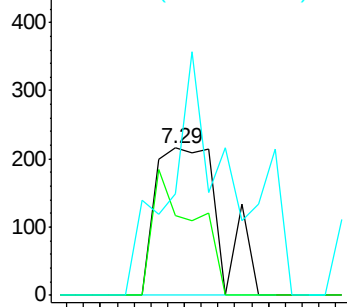
39 69.0 47.8 71.8



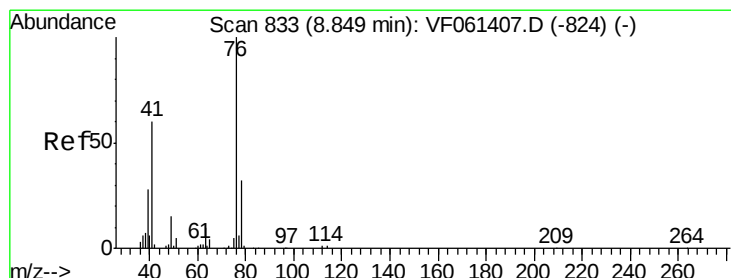
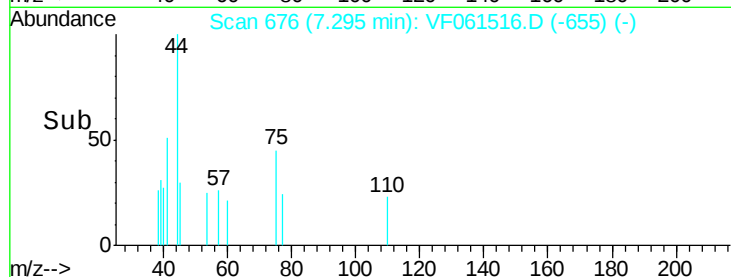
Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0



Time-->



#57

1,3-Dichloropropene

Concen: 8.964 ug/l

RT: 8.85 min Scan# 834

Delta R.T. 0.00 min

Lab File: VF061516.D

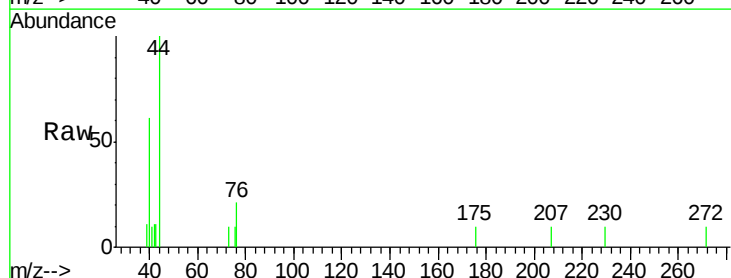
Acq: 25 Jan 2019 12:44

Tgt Ion: 76 Resp: 360

Ion Ratio Lower Upper

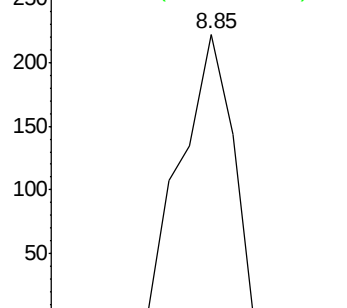
76 100

78 0.0 25.3 37.9#

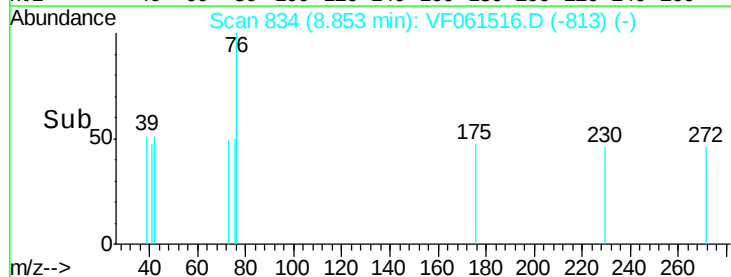


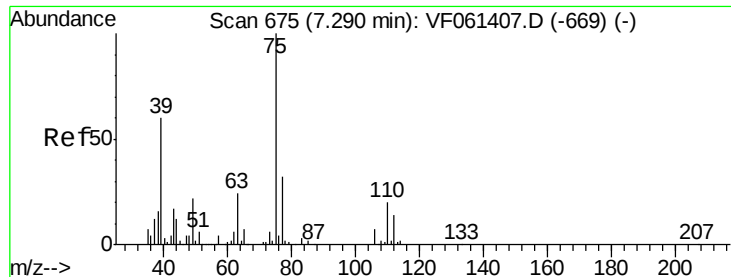
Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



Time-->





#58

2-Chloroethyl Vinyl ether

Concen: 49.987 ug/l

RT: 7.31 min Scan# 678

Delta R.T. 0.02 min

Lab File: VF061516.D

Acq: 25 Jan 2019 12:44

Instrument :

MSVOA_F

ClientSampleId :

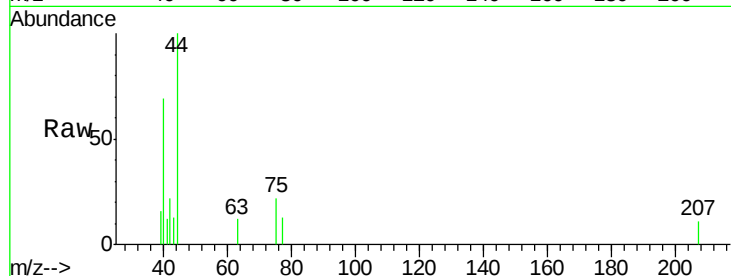
VF01251SBS01

Tot Ion: 63 Resp: 66

Ion Ratio Lower Upper

63 100

106 0.0 21.9 32.9#



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): VF0

7.31

120

100

80

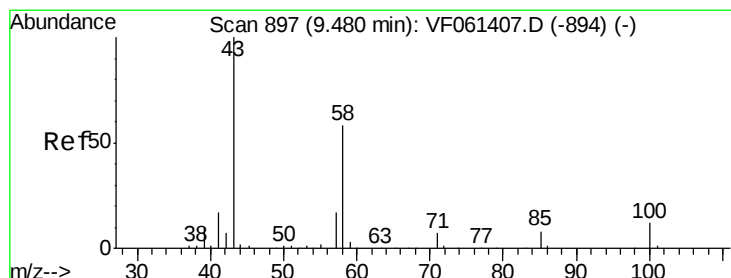
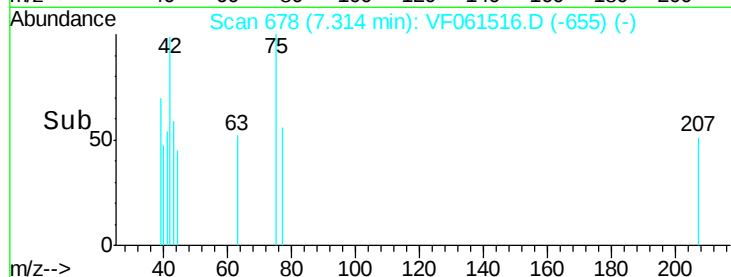
60

40

20

0

Time--> 7.28 7.30 7.32 7.34



#59

2-Hexanone

Concen: 21.521 ug/l

RT: 9.46 min Scan# 896

Delta R.T. -0.02 min

Lab File: VF061516.D

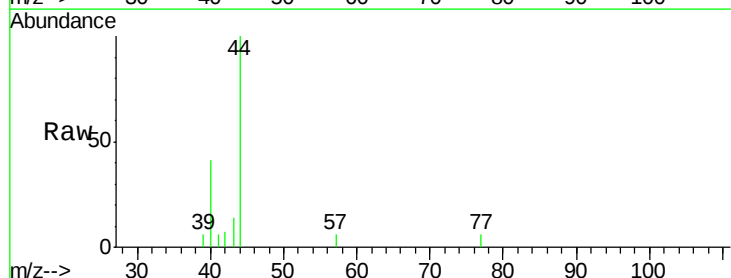
Acq: 25 Jan 2019 12:44

Tgt Ion: 43 Resp: 285

Ion Ratio Lower Upper

43 100

58 0.0 25.9 77.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

9.46

250

200

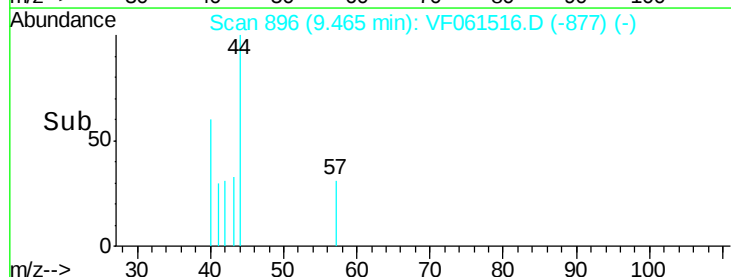
150

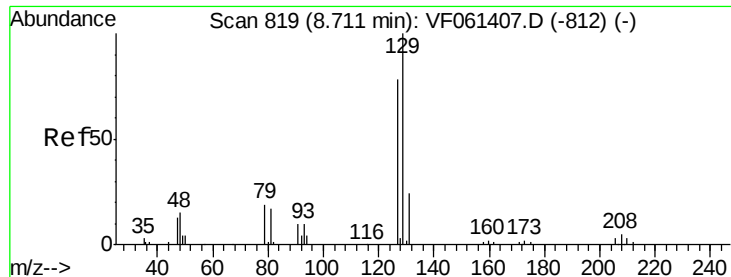
100

50

0

Time--> 9.40 9.45 9.50





#60

Dibromochloromethane

Concen: 5.267 ug/l

RT: 8.71 min Scan# 819

Delta R.T. -0.01 min

Lab File: VF061516.D

Acq: 25 Jan 2019 12:44

Instrument :

MSVOA_F

ClientSampleId :

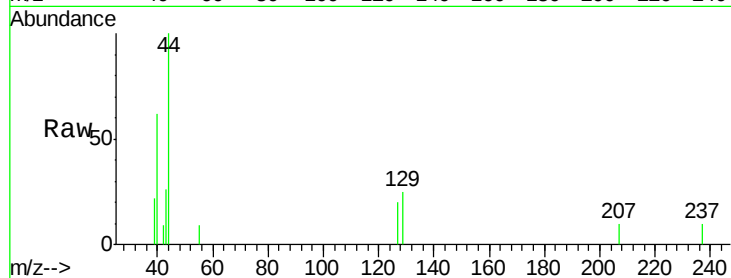
VF01251SBS01

Tot Ion:129 Resp: 165

Ion Ratio Lower Upper

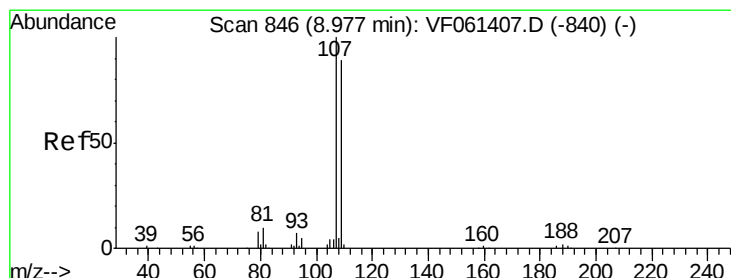
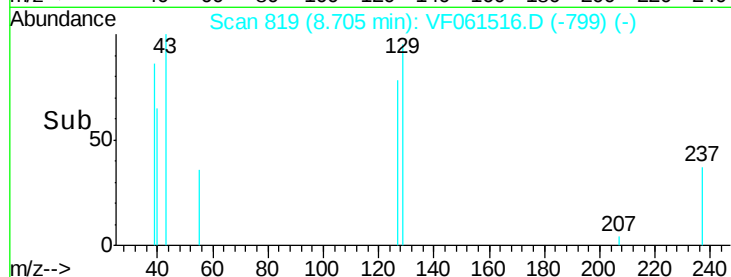
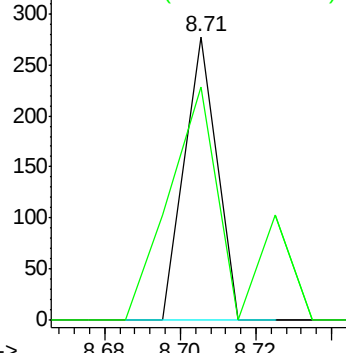
129 100

127 82.4 39.1 117.2



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#61

1,2-Dibromoethane

Concen: 5.585 ug/l

RT: 9.00 min Scan# 849

Delta R.T. 0.02 min

Lab File: VF061516.D

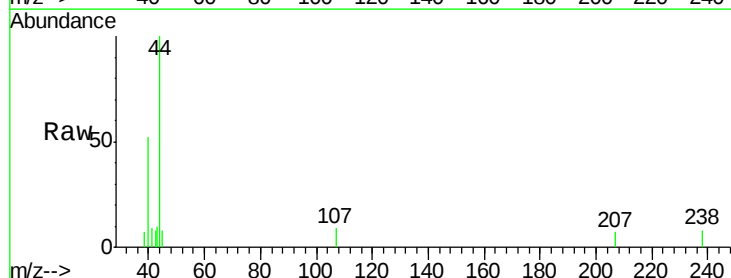
Acq: 25 Jan 2019 12:44

Tgt Ion:107 Resp: 137

Ion Ratio Lower Upper

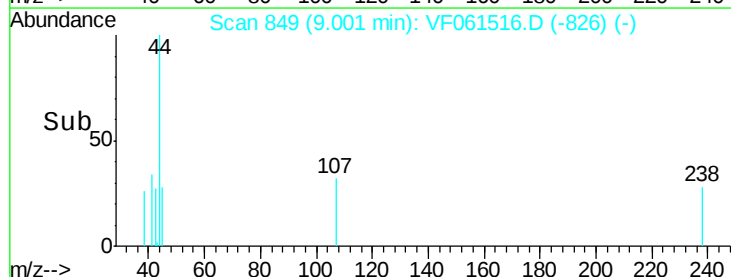
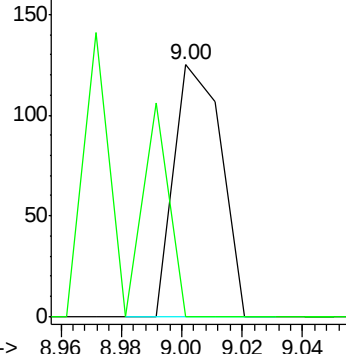
107 100

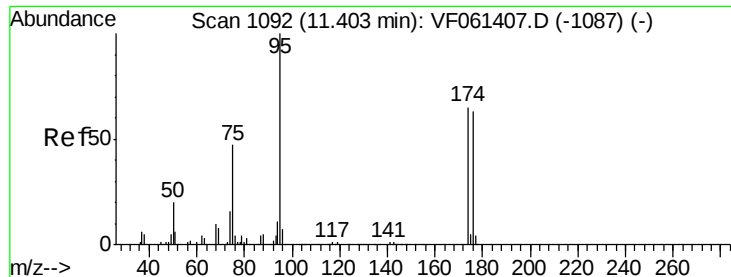
109 0.0 70.8 106.2#



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#62

4-Bromofluorobenzene

Concen: 28.400 ug/l

RT: 11.42 min Scan# 1094

Delta R.T. 0.01 min

Lab File: VF061516.D

Acq: 25 Jan 2019 12:44

Instrument :

MSVOA_F

ClientSampleId :

VF01251SBS01

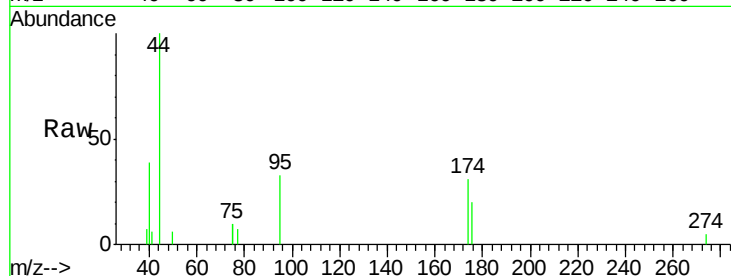
Tot Ion: 95 Resp: 1274

Ion Ratio Lower Upper

95 100

174 95.0 0.0 130.4

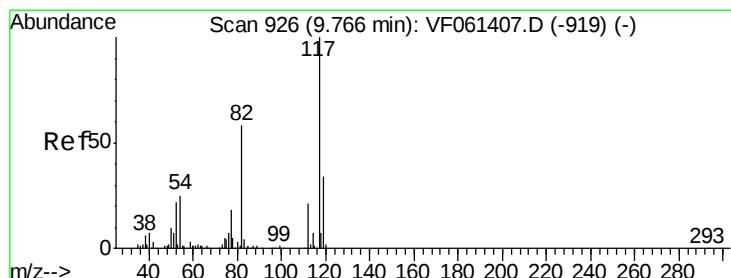
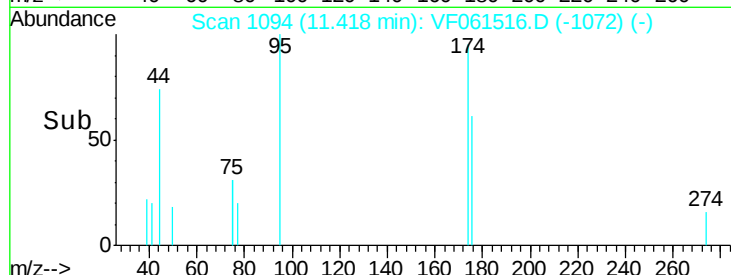
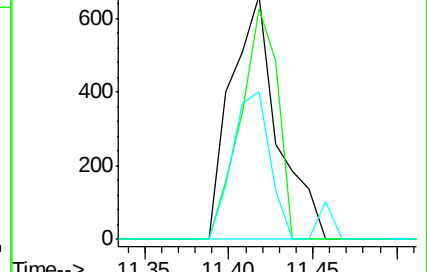
176 60.6 0.0 126.2



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): VF0

Ion 176.00 (175.70 to 176.70): VF0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.77 min Scan# 927

Delta R.T. 0.00 min

Lab File: VF061516.D

Acq: 25 Jan 2019 12:44

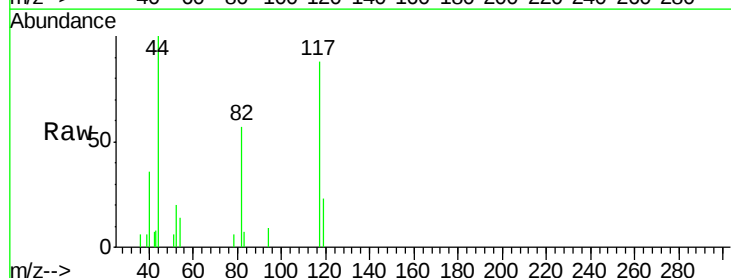
Tgt Ion: 117 Resp: 3810

Ion Ratio Lower Upper

117 100

82 65.3 46.4 69.6

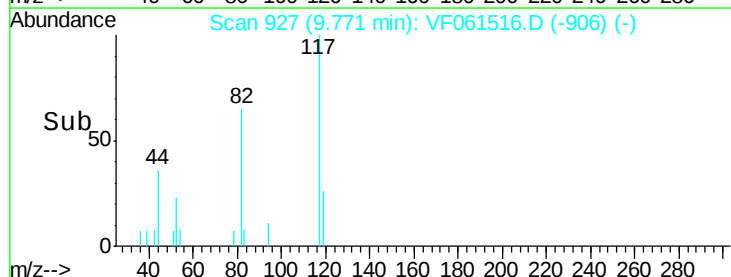
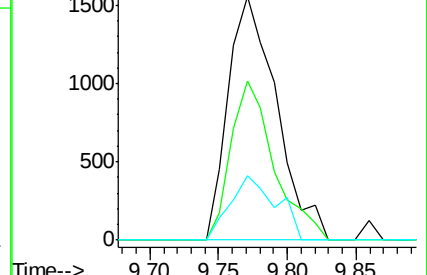
119 26.5 27.2 40.8#

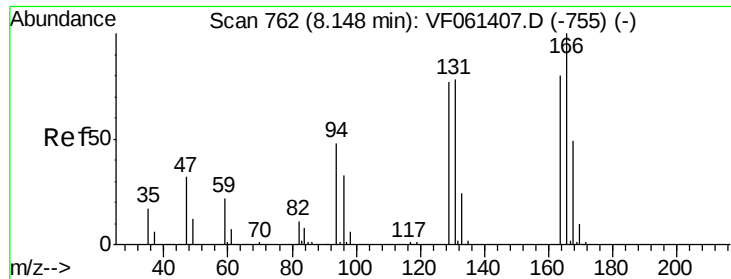


Abundance Ion 117.00 (116.70 to 117.70): VF0

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): VF0





#64

Tetrachloroethene

Concen: 24.990 ug/l

RT: 8.14 min Scan# 762

Delta R.T. -0.01 min

Lab File: VF061516.D

Acq: 25 Jan 2019 12:44

Instrument :

MSVOA_F

ClientSampleId :

VF01251SBS01

Tot Ion:164 Resp: 716

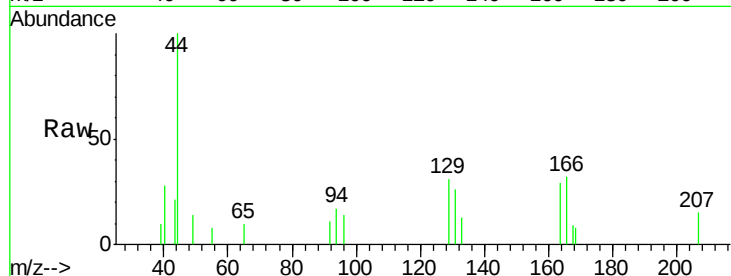
Ion Ratio Lower Upper

164 100

166 110.0 99.6 149.4

129 106.4 76.4 114.6

131 90.0 77.9 116.9

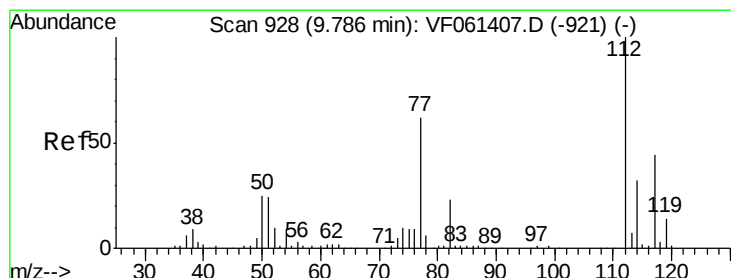
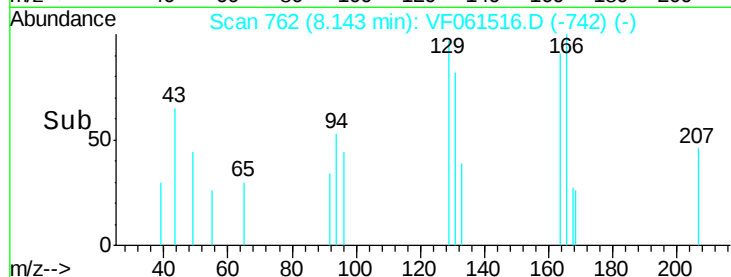
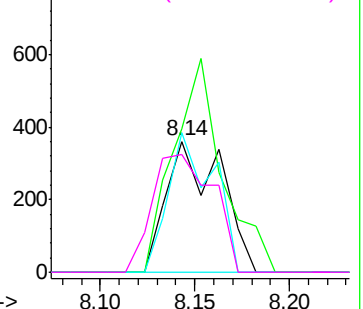


Abundance Ion 163.85 (163.55 to 164.55): V

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: 17.037 ug/l

RT: 9.79 min Scan# 929

Delta R.T. 0.00 min

Lab File: VF061516.D

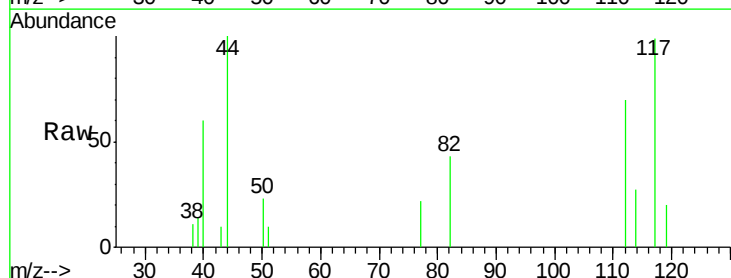
Acq: 25 Jan 2019 12:44

Tgt Ion:112 Resp: 1320

Ion Ratio Lower Upper

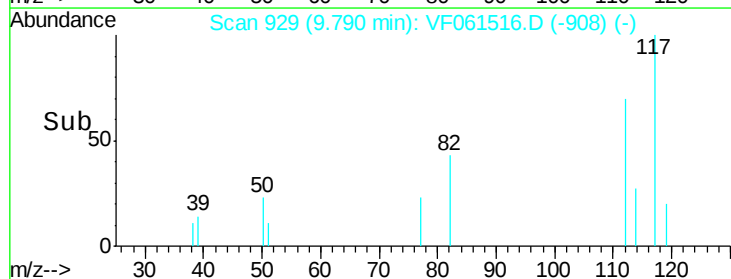
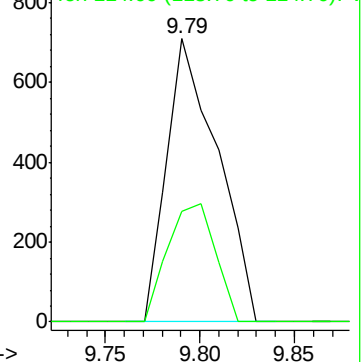
112 100

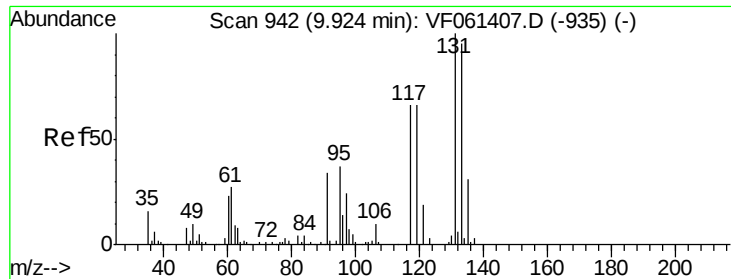
114 38.9 25.4 38.0#



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V





#66

1,1,1,2-Tetrachloroethane

Concen: 10.011 ug/l

RT: 9.94 min Scan# 944

Delta R.T. 0.01 min

Lab File: VF061516.D

Acq: 25 Jan 2019 12:44

Instrument :

MSVOA_F

ClientSampleId :

VF01251SBS01

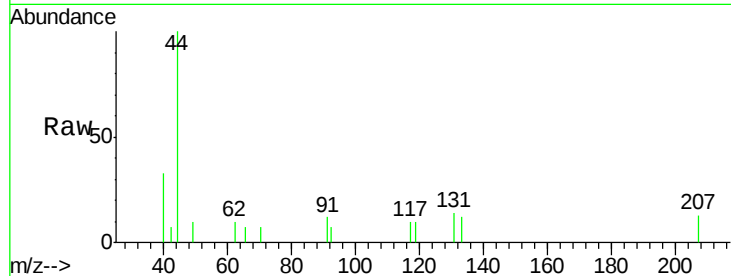
Tot Ion:131 Resp: 309

Ion Ratio Lower Upper

131 100

133 87.6 47.4 142.2

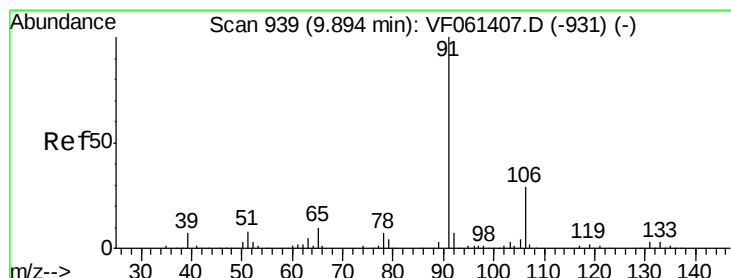
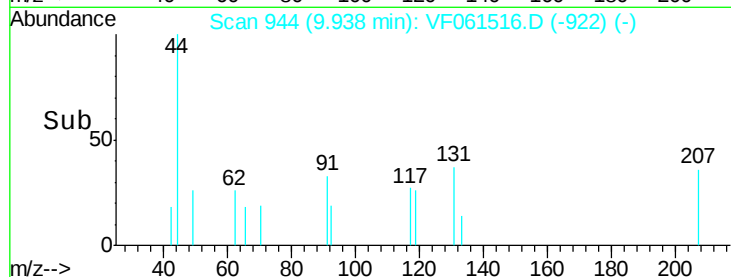
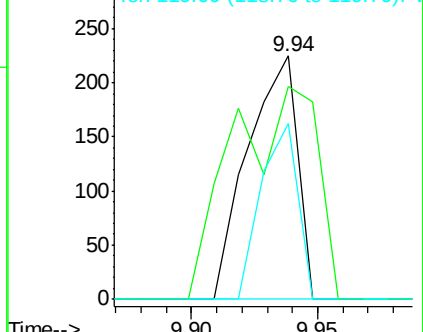
119 72.0 33.1 99.3



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#67

Ethyl Benzene

Concen: 20.183 ug/l

RT: 9.90 min Scan# 940

Delta R.T. 0.00 min

Lab File: VF061516.D

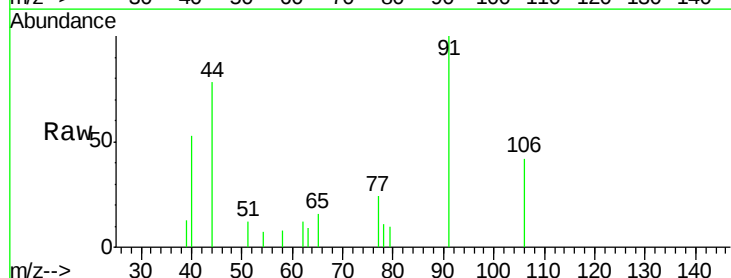
Acq: 25 Jan 2019 12:44

Tgt Ion: 91 Resp: 2857

Ion Ratio Lower Upper

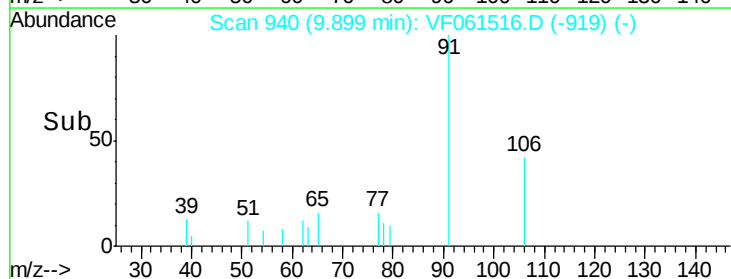
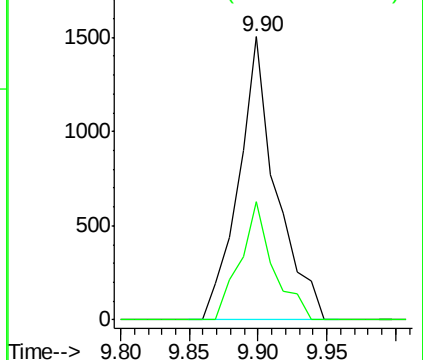
91 100

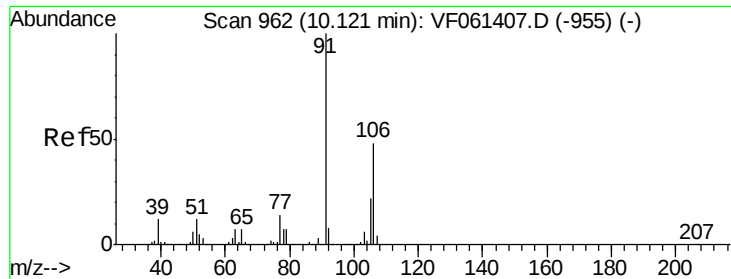
106 41.8 23.1 34.7#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V

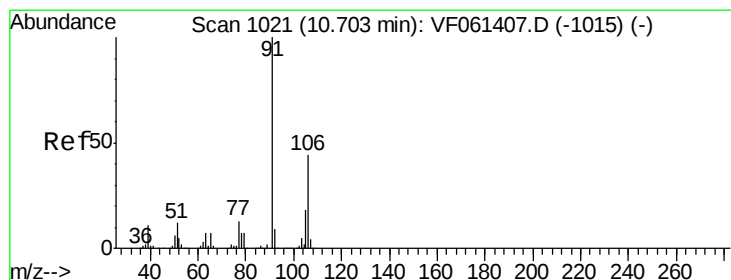
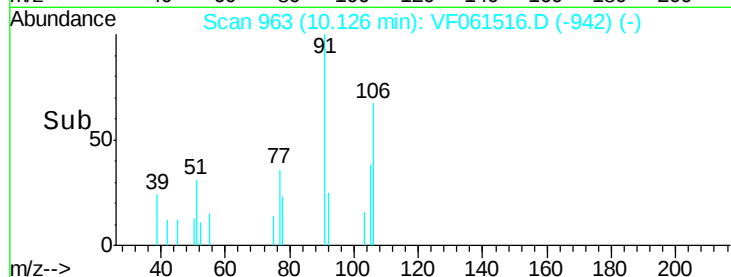
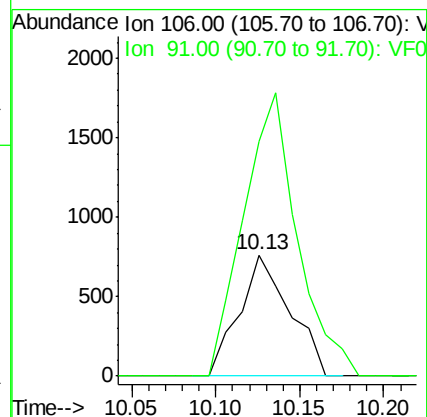
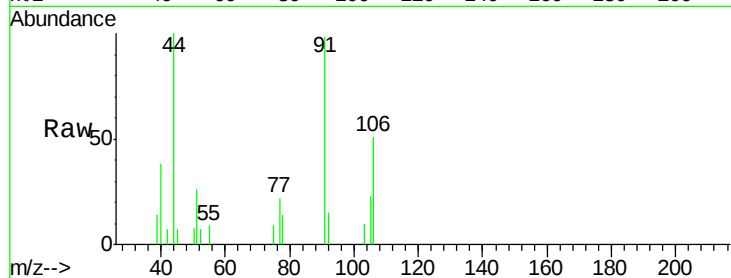




#68
m/p-Xylenes
Concen: 31.092 ug/l
RT: 10.13 min Scan# 963
Delta R.T. 0.00 min
Lab File: VF061516.D
Acq: 25 Jan 2019 12:44

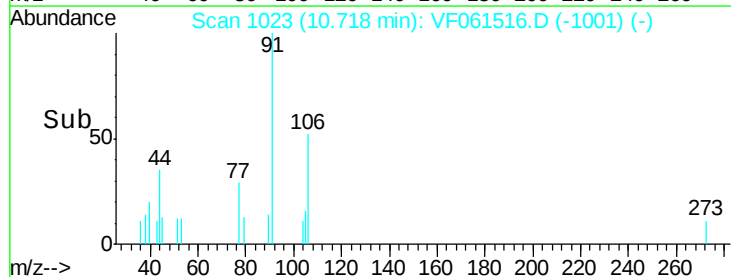
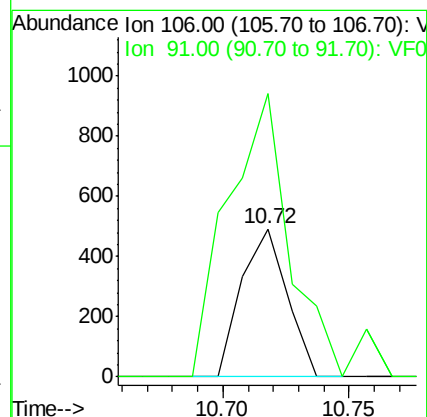
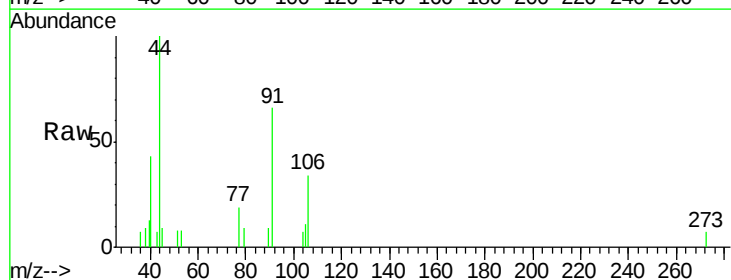
Instrument :
MSVOA_F
ClientSampleId :
VF01251SBS01

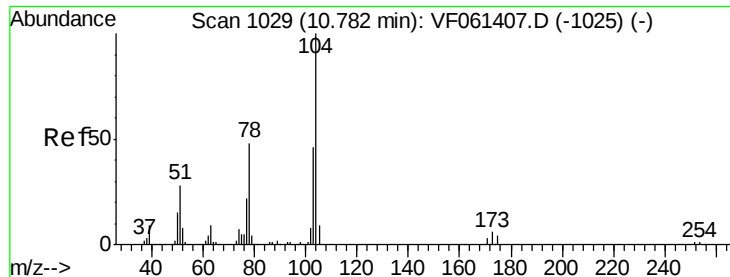
Tot Ion:106 Resp: 1583
Ion Ratio Lower Upper
106 100
91 194.1 166.2 249.4



#69
o-Xylene
Concen: 11.163 ug/l
RT: 10.72 min Scan# 1023
Delta R.T. 0.01 min
Lab File: VF061516.D
Acq: 25 Jan 2019 12:44

Tgt Ion:106 Resp: 616
Ion Ratio Lower Upper
106 100
91 191.6 113.3 339.8

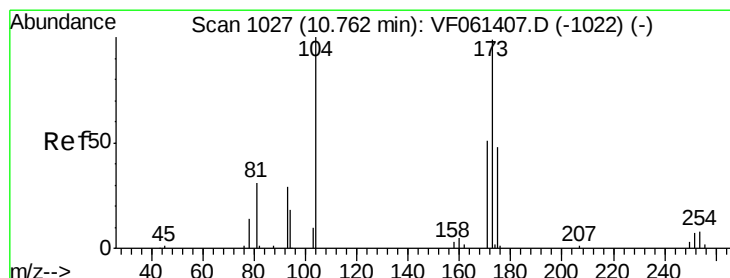
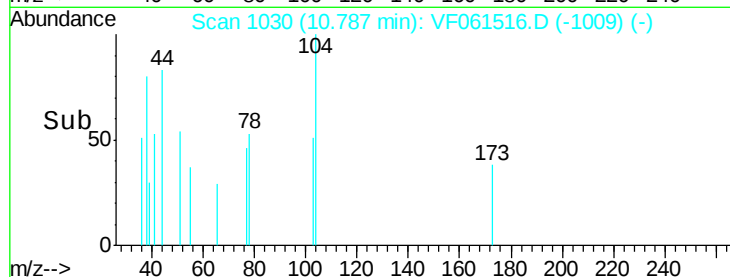
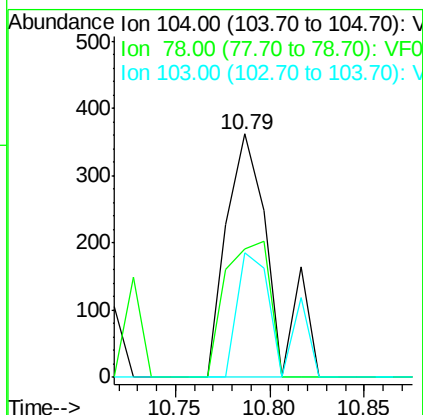
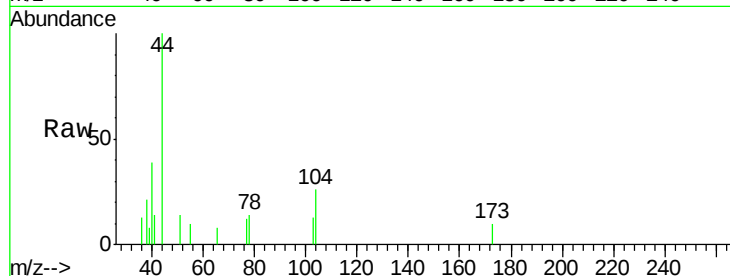




#70
Stvrene
Concen: 7.838 ug/l
RT: 10.79 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VF061516.D
Acq: 25 Jan 2019 12:44

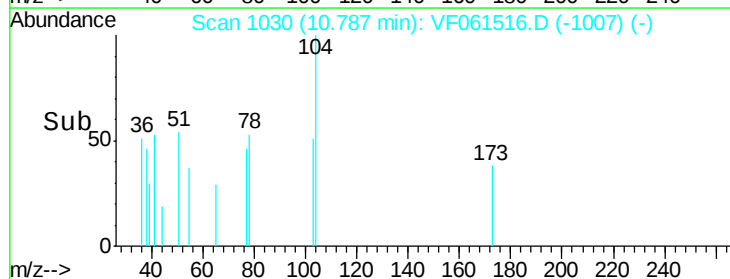
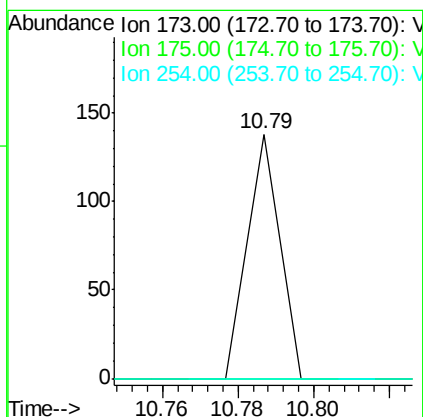
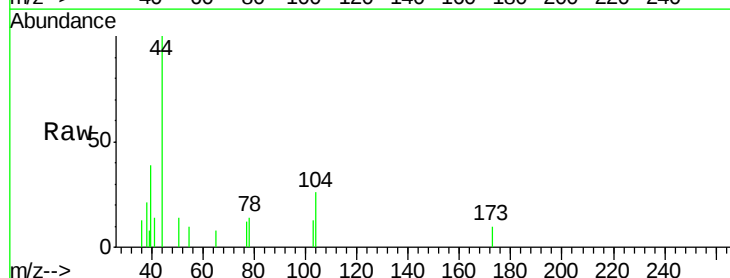
Instrument :
MSVOA_F
ClientSampleId :
VF01251SBS01

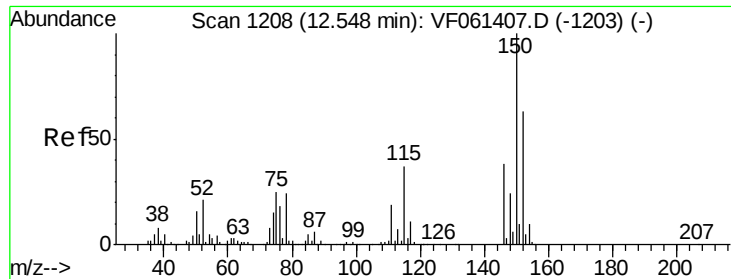
Tot Ion:104 Resp: 592
Ion Ratio Lower Upper
104 100
78 52.8 38.8 58.2
103 51.1 37.0 55.6



#71
Bromoform
Concen: 5.913 ug/l
RT: 10.79 min Scan# 1030
Delta R.T. 0.02 min
Lab File: VF061516.D
Acq: 25 Jan 2019 12:44

Tgt Ion:173 Resp: 82
Ion Ratio Lower Upper
173 100
175 0.0 24.1 72.4#
254 0.0 0.0 0.0



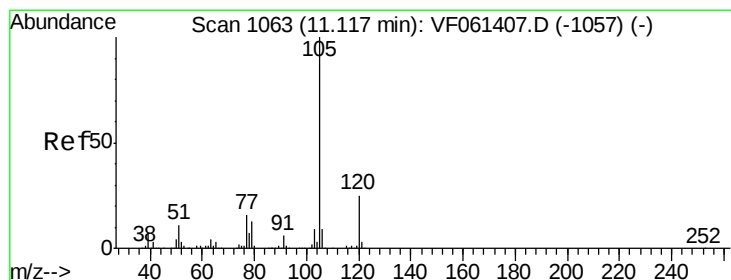
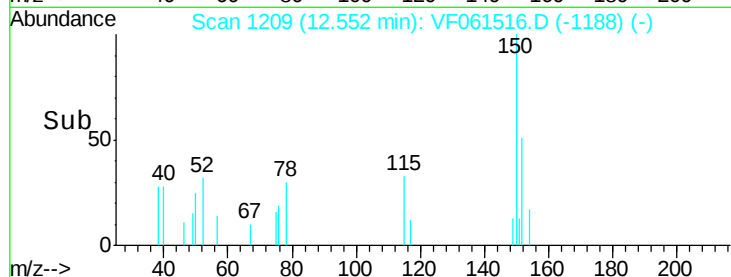
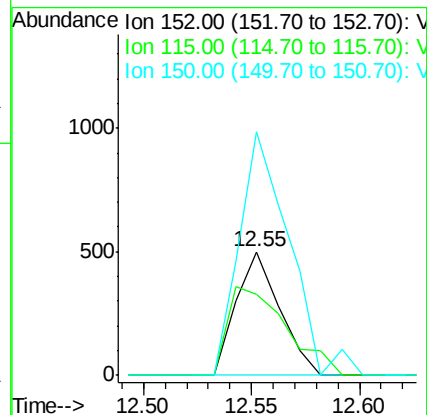
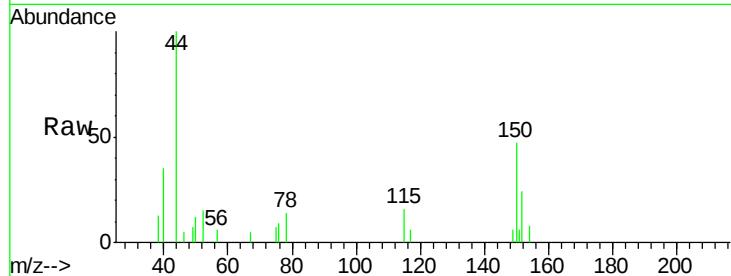


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1209
Delta R.T. 0.00 min
Lab File: VF061516.D
Acq: 25 Jan 2019 12:44

Instrument :
MSVOA_F
ClientSampleId :
VF01251SBS01

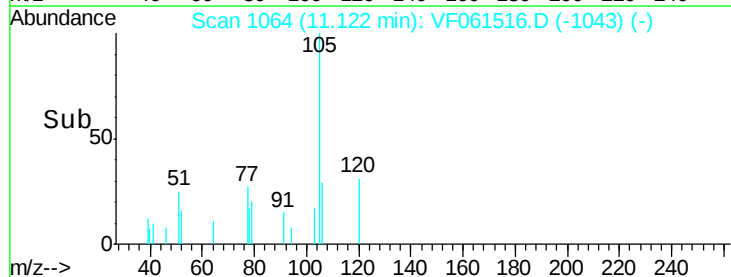
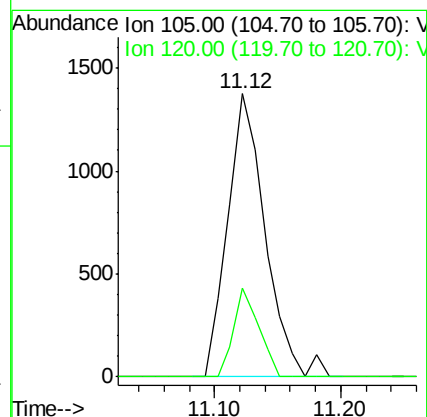
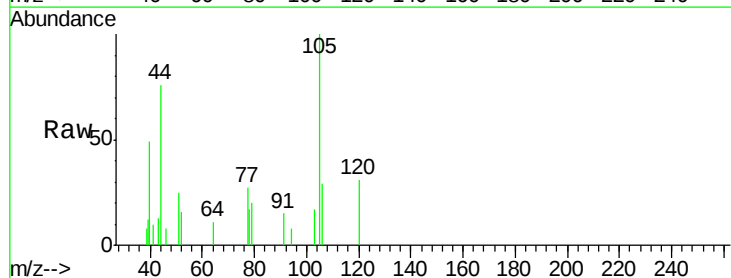
Tot Ion:152 Resp: 703
Ion Ratio Lower Upper
152 100
115 65.1 30.0 90.0
150 196.8 0.0 321.4

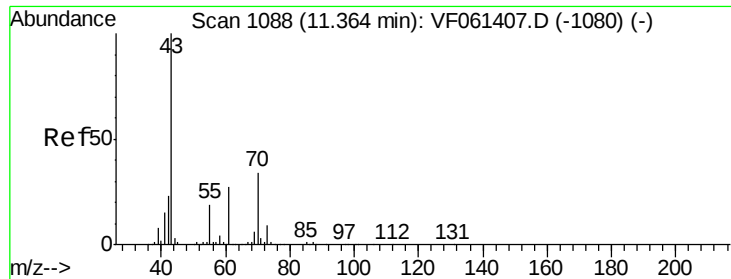


#73

Isopropylbenzene
Concen: 49.671 ug/l
RT: 11.12 min Scan# 1064
Delta R.T. 0.00 min
Lab File: VF061516.D
Acq: 25 Jan 2019 12:44

Tgt Ion:105 Resp: 2840
Ion Ratio Lower Upper
105 100
120 31.3 12.6 37.8





#74

N-amvl acetate

Concen: 17.677 ug/l

RT: 11.34 min Scan# 1086

Delta R.T. -0.02 min

Lab File: VF061516.D

Acq: 25 Jan 2019 12:44

Instrument :

MSVOA_F

ClientSampleId :

VF01251SBS01

Tot Ion: 43 Resp: 239

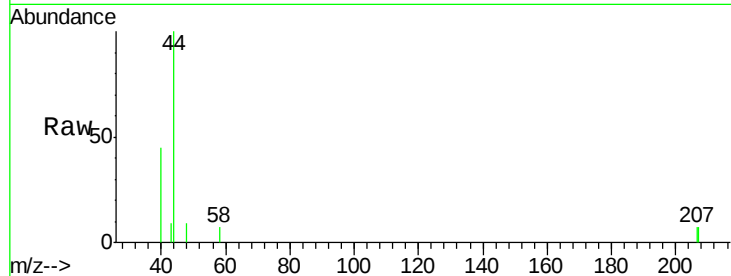
Ion Ratio Lower Upper

43 100

70 0.0 27.6 41.4#

55 0.0 15.4 23.2#

61 0.0 21.8 32.6#



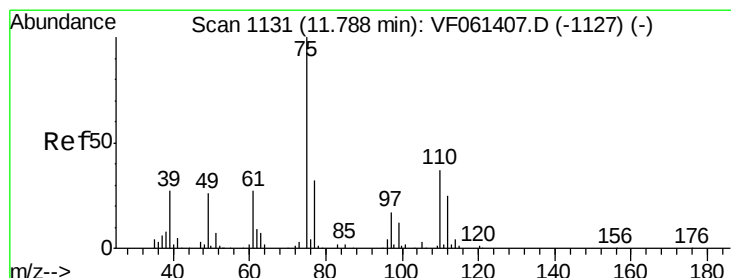
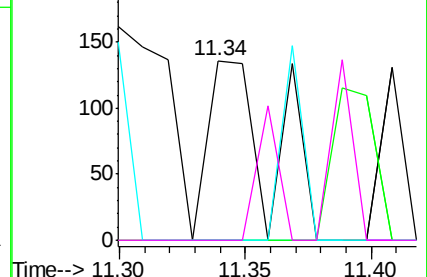
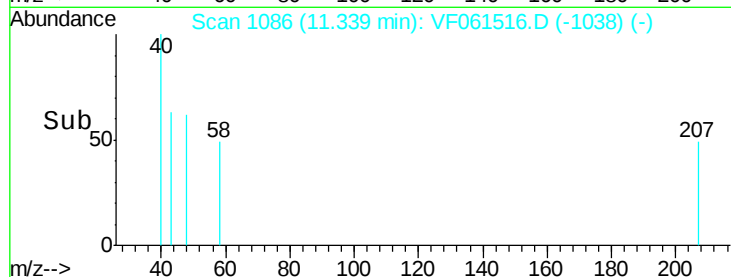
Abundance Ion 43.00 (42.70 to 43.70): VF0

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

Time--> 11.30 11.35 11.40



#76

1,2,3-Trichloropropane

Concen: 8.198 ug/l

RT: 11.80 min Scan# 1133

Delta R.T. 0.01 min

Lab File: VF061516.D

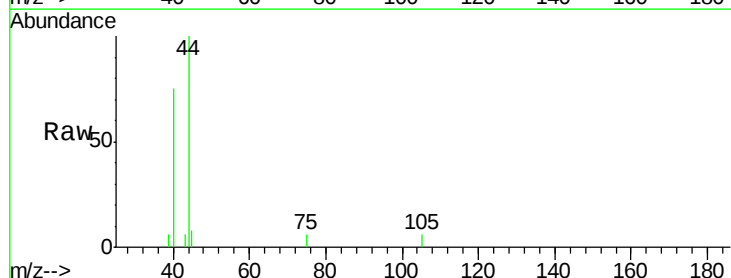
Acq: 25 Jan 2019 12:44

Tgt Ion: 75 Resp: 60

Ion Ratio Lower Upper

75 100

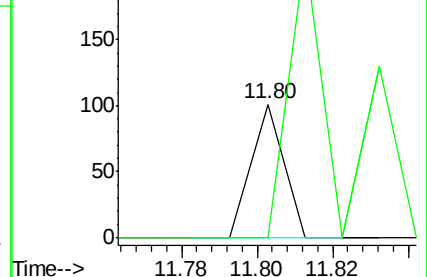
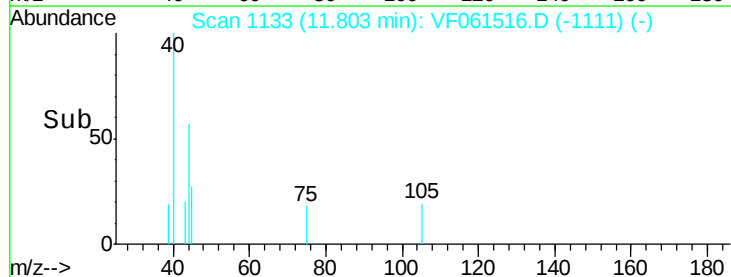
77 0.0 16.1 48.3#

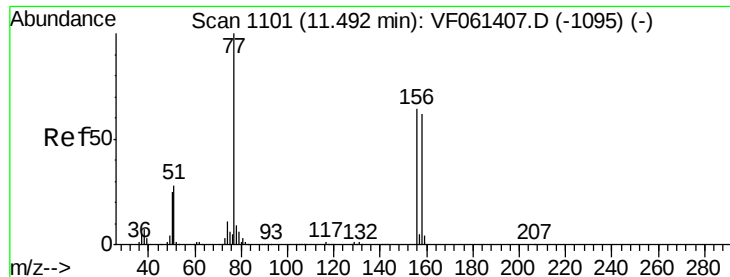


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Time--> 11.78 11.80 11.82





#77

Bromobenzene

Concen: 6.460 ug/l

RT: 11.49 min Scan# 1101

Delta R.T. -0.01 min

Lab File: VF061516.D

Acq: 25 Jan 2019 12:44

Instrument :

MSVOA_F

ClientSampleId :

VF01251SBS01

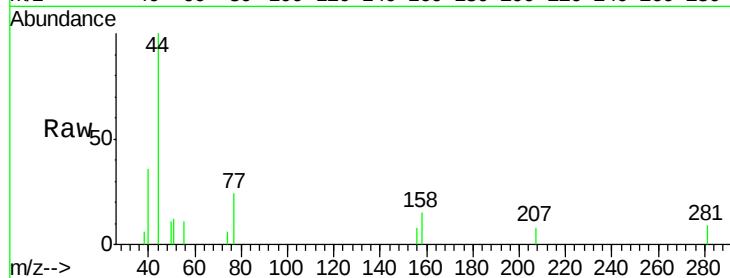
Tot Ion:156 Resp: 78

Ion Ratio Lower Upper

156 100

77 303.8 78.3 234.9#

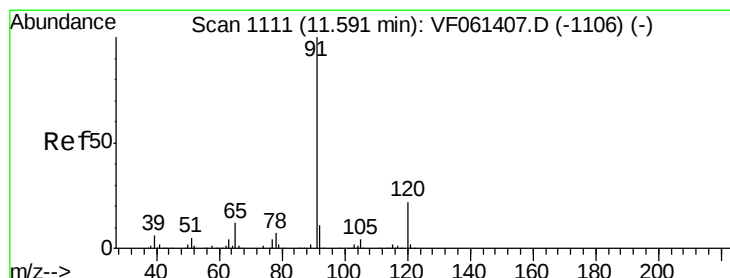
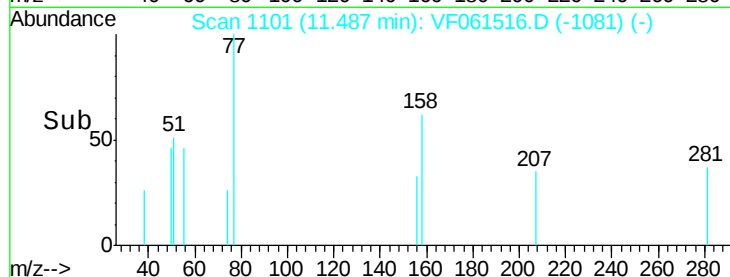
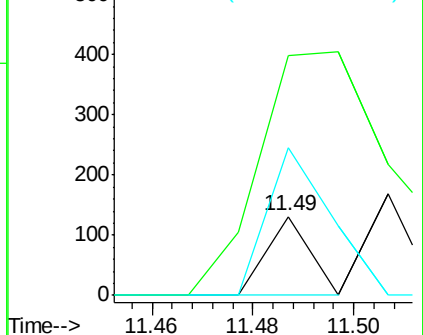
158 187.8 48.9 146.7#



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: 45.280 ug/l

RT: 11.60 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VF061516.D

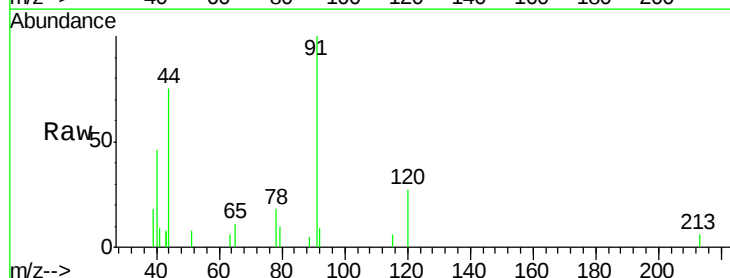
Acq: 25 Jan 2019 12:44

Tgt Ion: 91 Resp: 3190

Ion Ratio Lower Upper

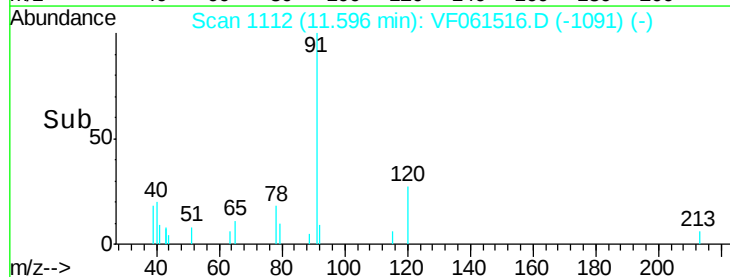
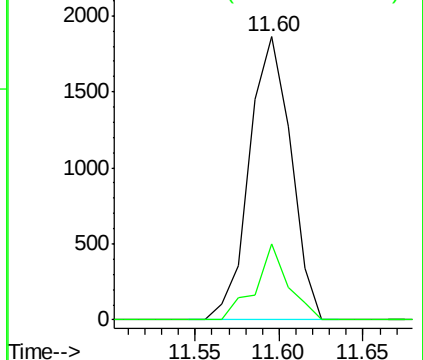
91 100

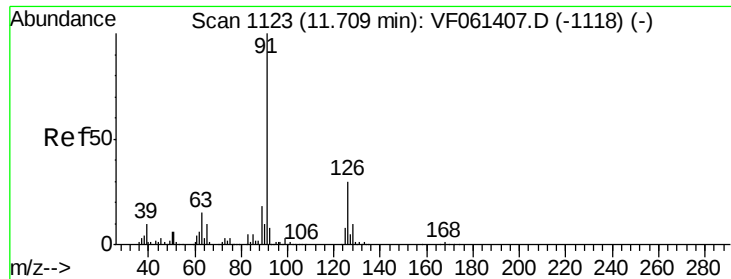
120 26.7 10.9 32.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 37.685 ug/l

RT: 11.71 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VF061516.D

Acq: 25 Jan 2019 12:44

Instrument :

MSVOA_F

ClientSampleId :

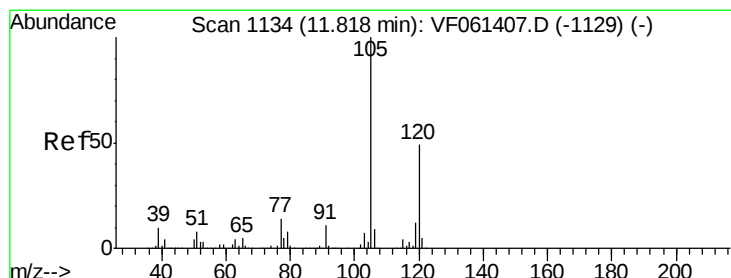
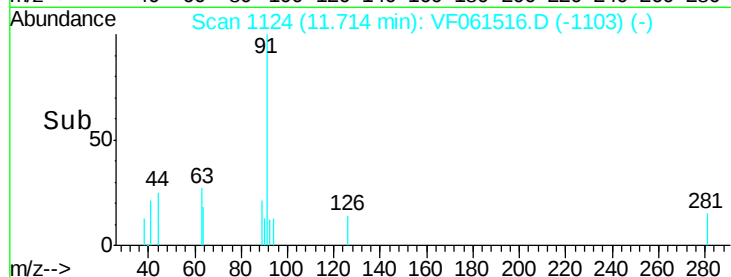
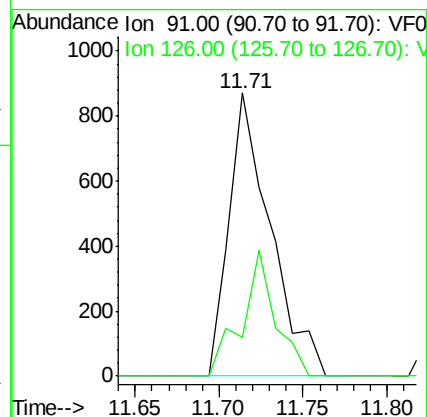
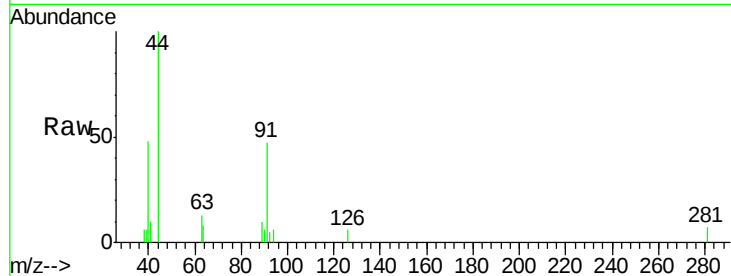
VF01251SBS01

Tot Ion: 91 Resp: 1495

Ion Ratio Lower Upper

91 100

126 13.8 15.0 45.1#



#80

1,3,5-Trimethylbenzene

Concen: 28.044 ug/l

RT: 11.82 min Scan# 1135

Delta R.T. 0.00 min

Lab File: VF061516.D

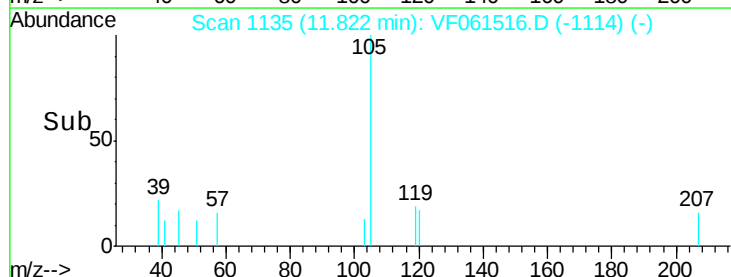
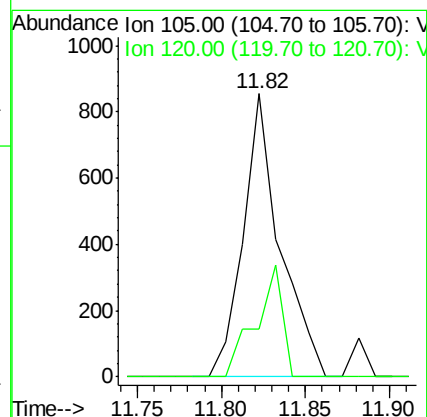
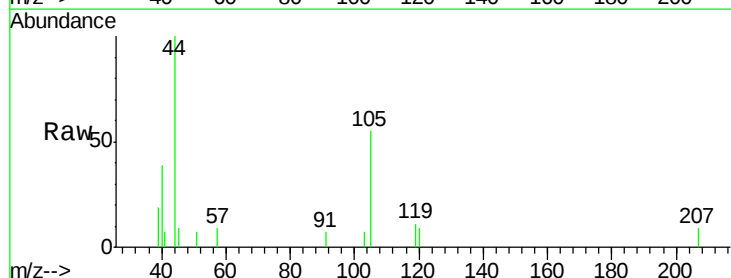
Acq: 25 Jan 2019 12:44

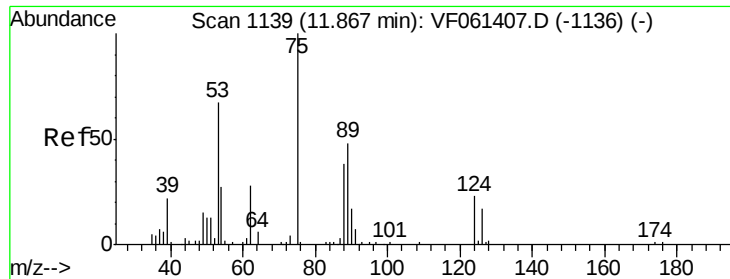
Tgt Ion: 105 Resp: 1294

Ion Ratio Lower Upper

105 100

120 16.7 24.7 74.1#





#81

trans-1,4-Dichloro-2-butene

Concen: 23.887 ug/l

RT: 11.85 min Scan# 1138

Delta R.T. -0.02 min

Lab File: VF061516.D

Acq: 25 Jan 2019 12:44

Instrument :

MSVOA_F

ClientSampleId :

VF01251SBS01

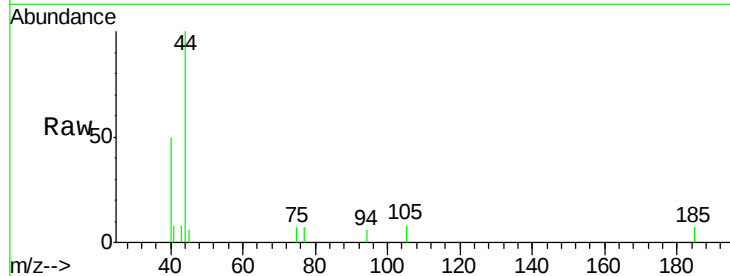
Tot Ion: 75 Resp: 76

Ion Ratio Lower Upper

75 100

53 0.0 57.8 86.6#

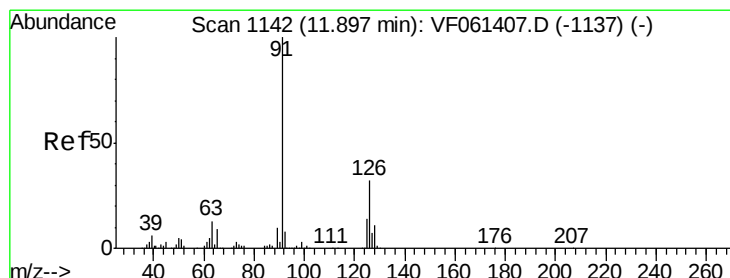
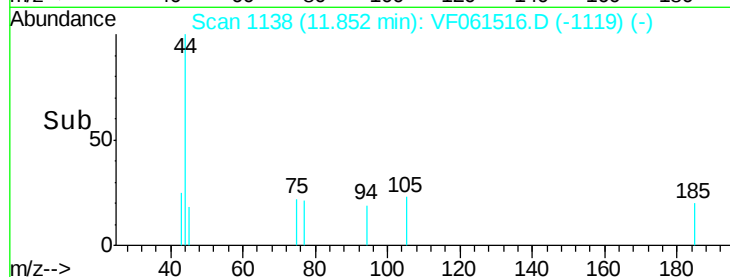
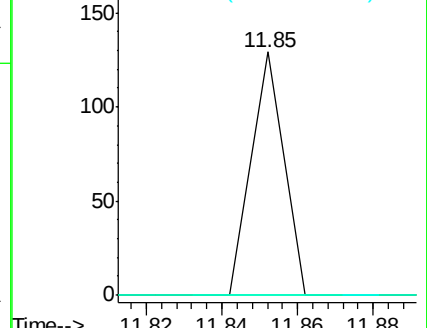
89 0.0 40.7 61.1#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 36.321 ug/l

RT: 11.90 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VF061516.D

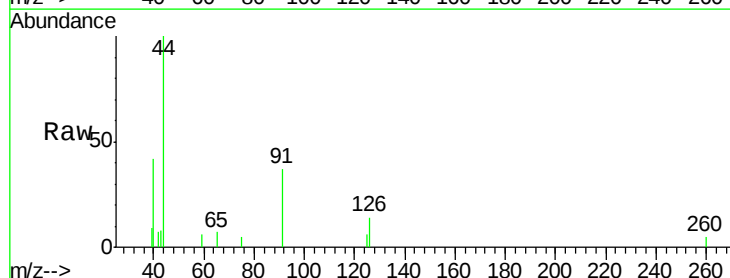
Acq: 25 Jan 2019 12:44

Tgt Ion: 91 Resp: 1454

Ion Ratio Lower Upper

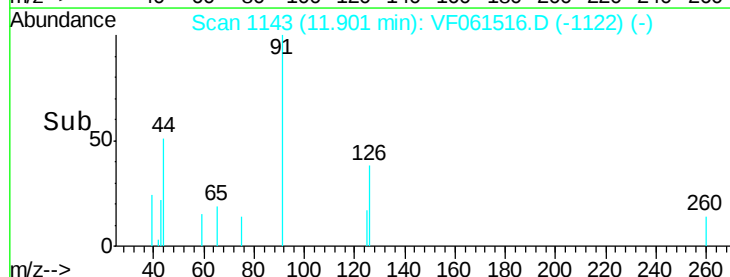
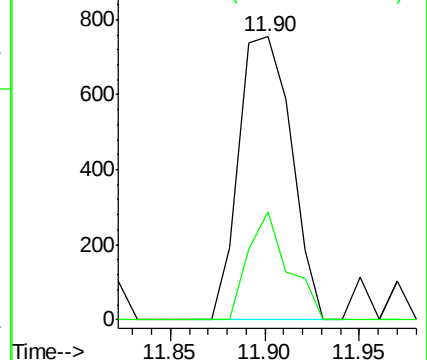
91 100

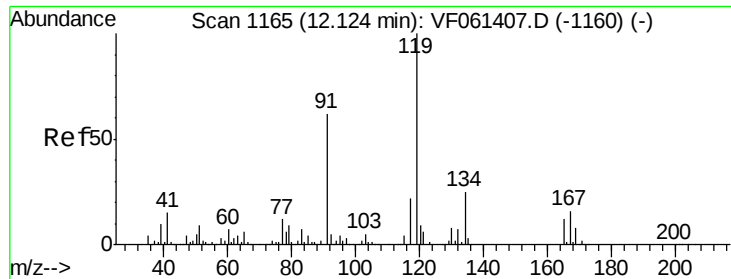
126 38.3 16.0 47.9



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

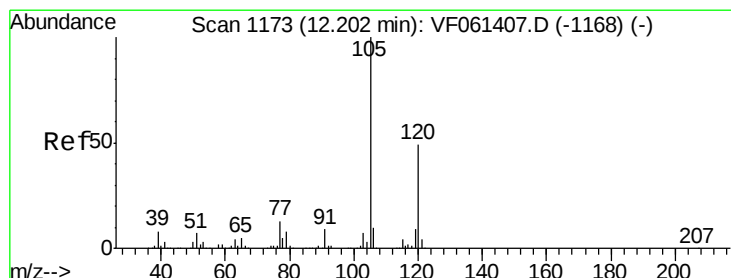
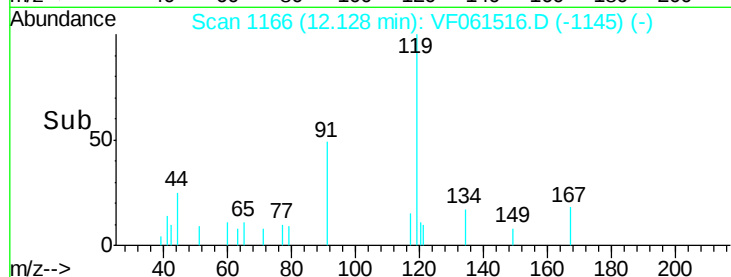
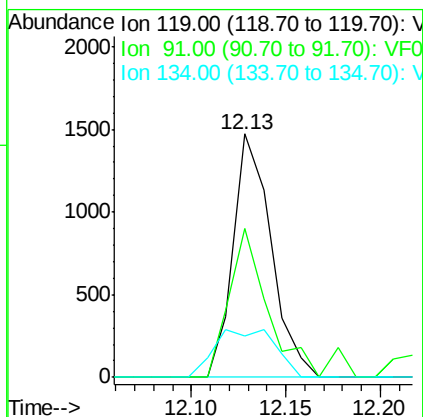
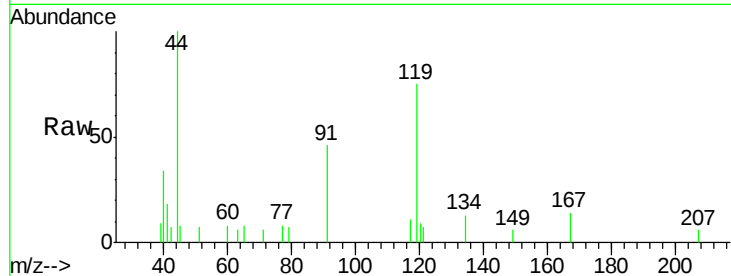




#83
tert-Butylbenzene
Concen: 42.715 ug/l
RT: 12.13 min Scan# 1166
Delta R.T. 0.00 min
Lab File: VF061516.D
Acq: 25 Jan 2019 12:44

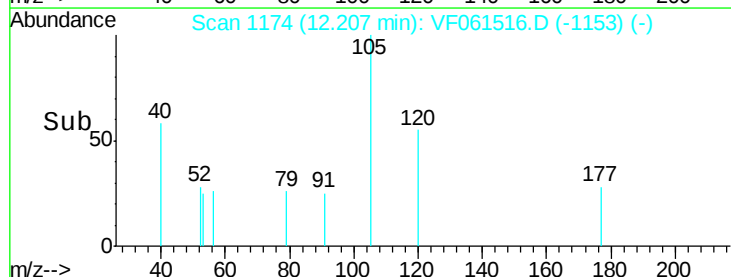
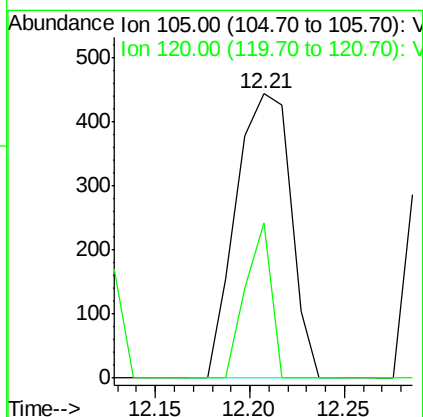
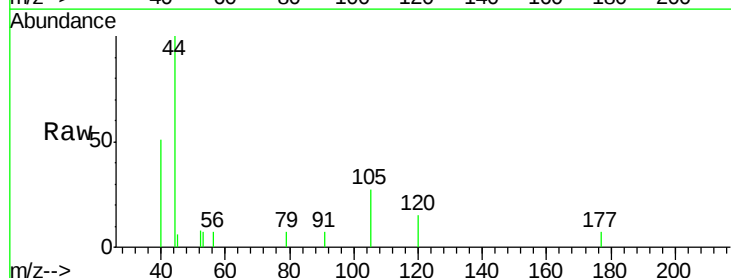
Instrument :
MSVOA_F
ClientSampleId :
VF01251SBS01

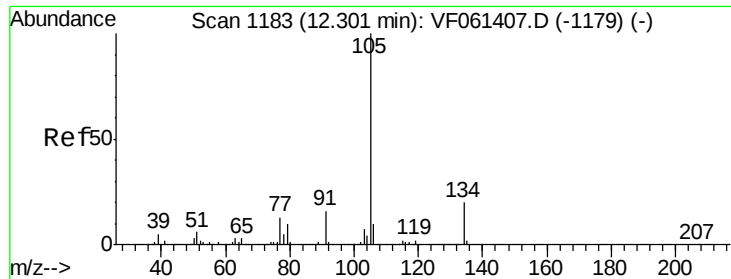
Tot Ion:119 Resp: 2040
Ion Ratio Lower Upper
119 100
91 61.1 31.3 93.8
134 16.9 12.4 37.0



#84
1,2,4-Trimethylbenzene
Concen: 18.747 ug/l
RT: 12.21 min Scan# 1174
Delta R.T. 0.00 min
Lab File: VF061516.D
Acq: 25 Jan 2019 12:44

Tgt Ion:105 Resp: 891
Ion Ratio Lower Upper
105 100
120 54.6 24.9 74.6





#85

sec-Butylbenzene

Concen: 47.058 ug/l

RT: 12.31 min Scan# 1184

Delta R.T. 0.00 min

Lab File: VF061516.D

Acq: 25 Jan 2019 12:44

Instrument :

MSVOA_F

ClientSampleId :

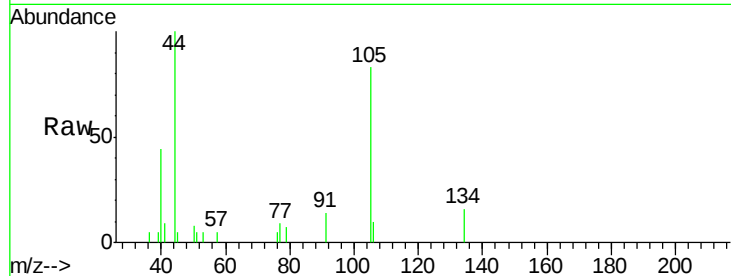
VF01251SBS01

Tot Ion:105 Resp: 3052

Ion Ratio Lower Upper

105 100

134 19.3 10.0 30.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

12.31

1500

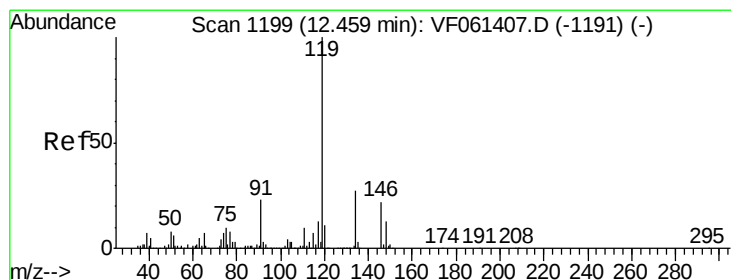
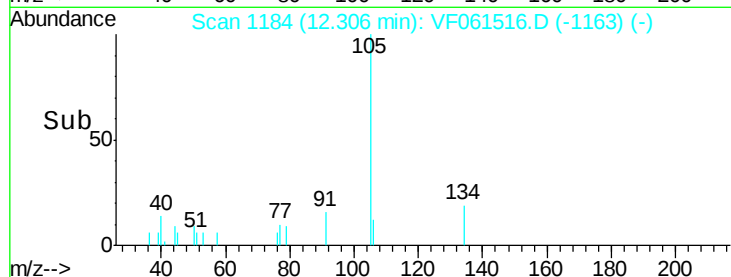
1000

500

0

12.25 12.30 12.35

Time-->



#86

p-Isopropyltoluene

Concen: 21.206 ug/l

RT: 12.46 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VF061516.D

Acq: 25 Jan 2019 12:44

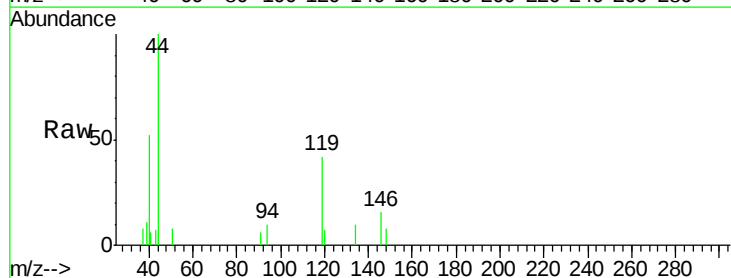
Tgt Ion:119 Resp: 1129

Ion Ratio Lower Upper

119 100

134 22.7 13.4 40.2

91 13.9 11.4 34.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

12.46

1000

800

600

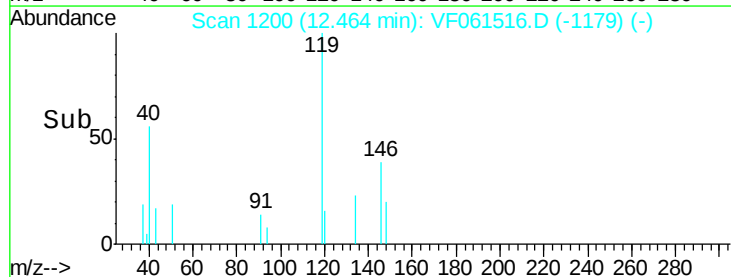
400

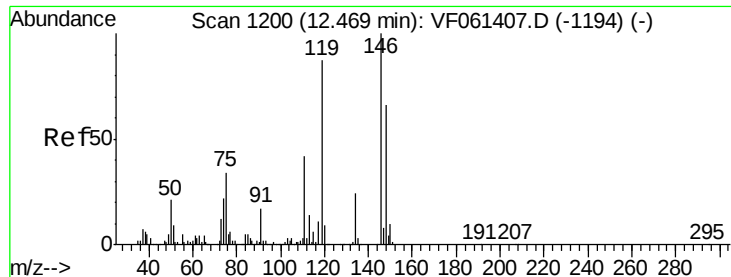
200

0

12.45 12.50

Time-->





#87

1,3-Dichlorobenzene

Concen: 25.084 ug/l

RT: 12.47 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VF061516.D

Acq: 25 Jan 2019 12:44

Instrument :

MSVOA_F

ClientSampleId :

VF01251SBS01

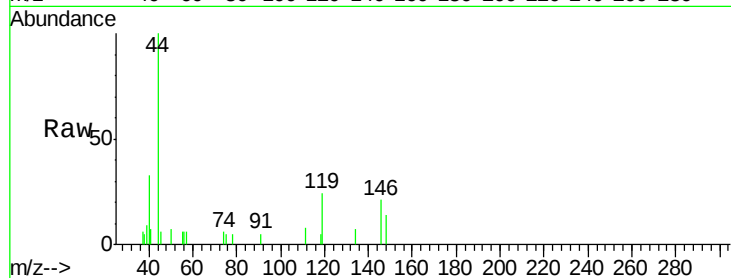
Tot Ion:146 Resp: 632

Ion Ratio Lower Upper

146 100

111 37.1 21.1 63.4

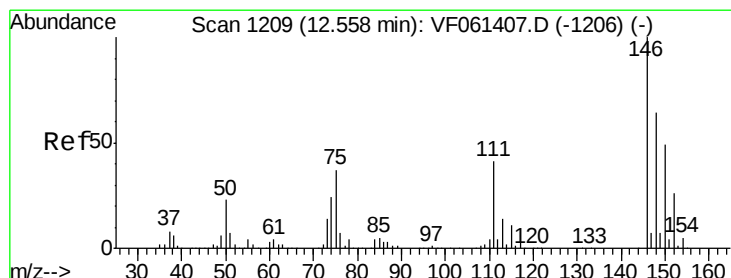
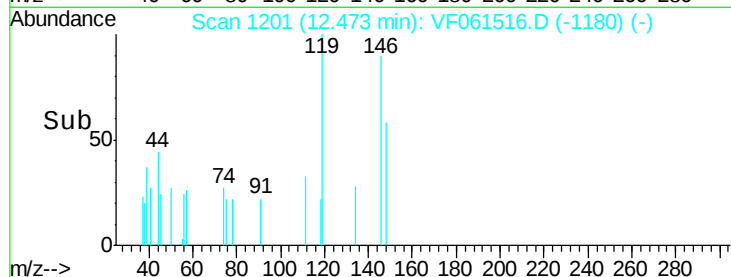
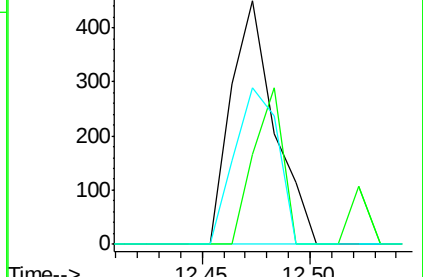
148 64.4 32.9 98.6



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,4-Dichlorobenzene

Concen: 16.697 ug/l

RT: 12.57 min Scan# 1211

Delta R.T. 0.01 min

Lab File: VF061516.D

Acq: 25 Jan 2019 12:44

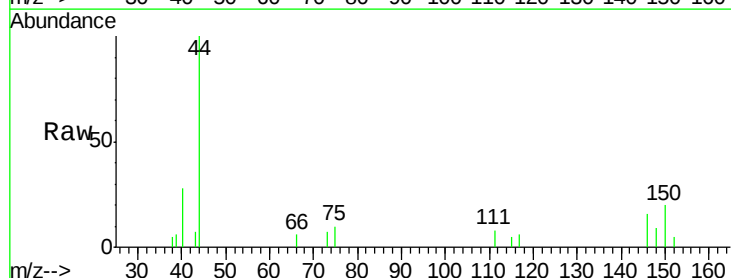
Tgt Ion:146 Resp: 381

Ion Ratio Lower Upper

146 100

111 47.0 20.8 62.2

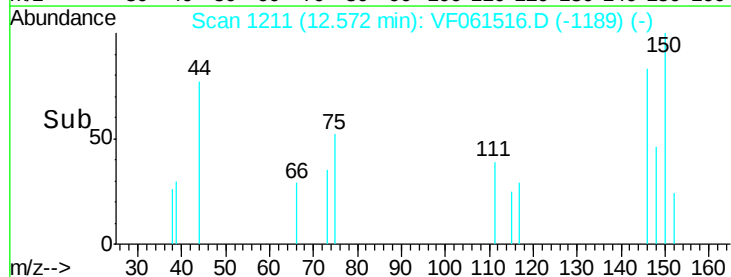
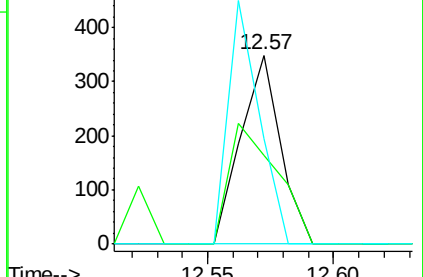
148 55.9 32.1 96.5

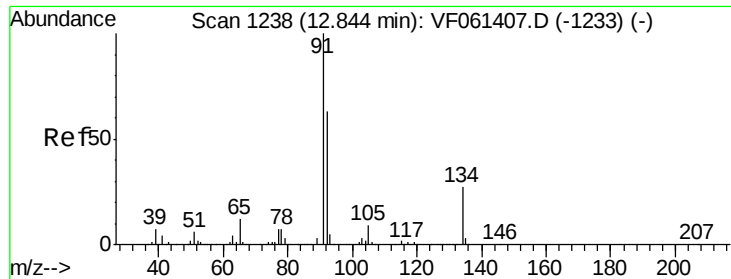


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

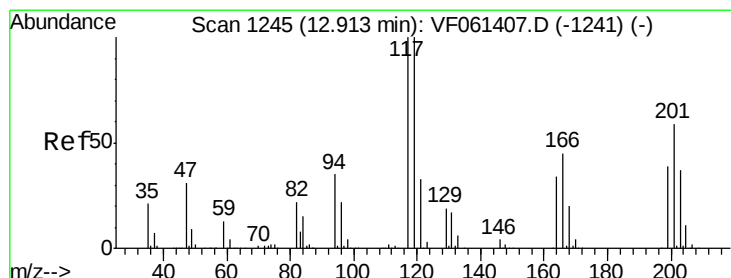
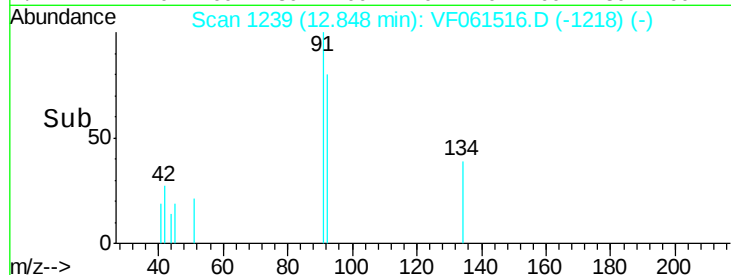
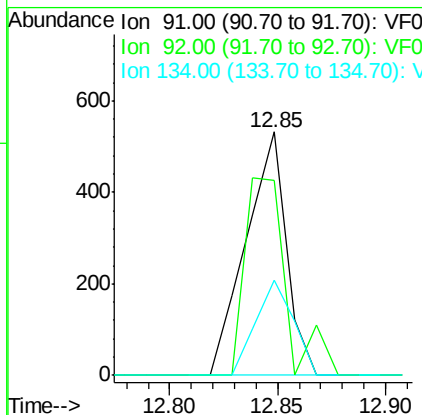
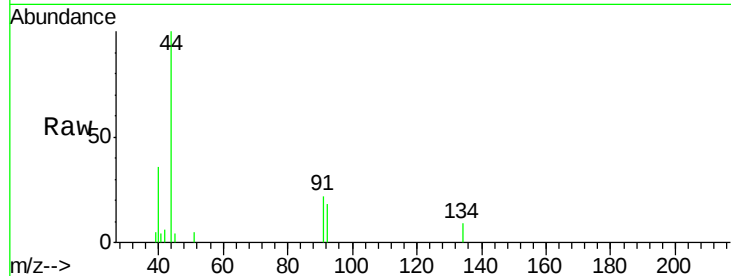




#89
n-Butylbenzene
Concen: 12.712 ug/l
RT: 12.85 min Scan# 1239
Delta R.T. 0.00 min
Lab File: VF061516.D
Acq: 25 Jan 2019 12:44

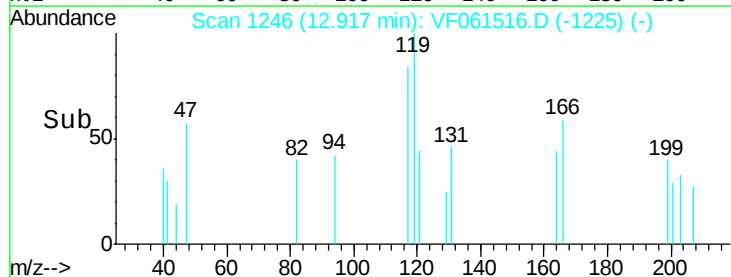
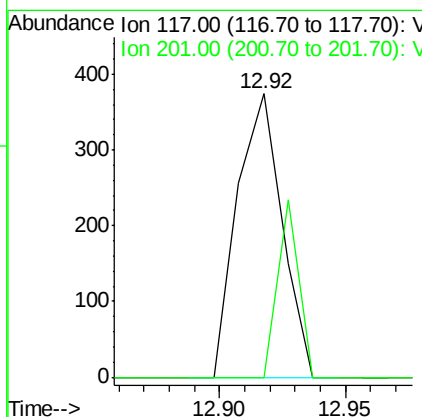
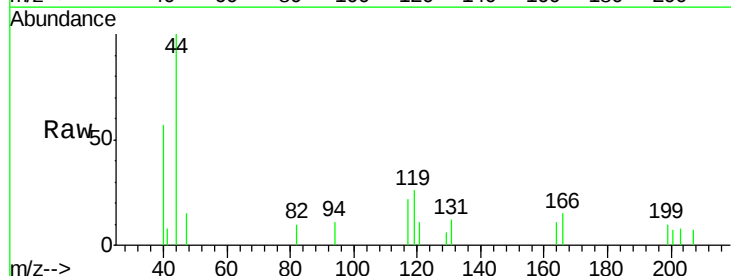
Instrument :
MSVOA_F
ClientSampleId :
VF01251SBS01

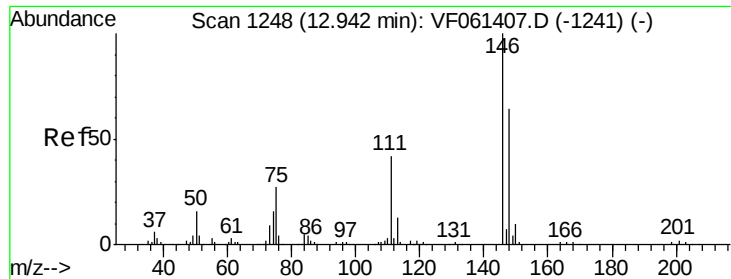
Tot Ion: 91 Resp: 698
Ion Ratio Lower Upper
91 100
92 80.3 31.6 94.7
134 39.3 13.6 40.8



#90
Hexachloroethane
Concen: 36.733 ug/l
RT: 12.92 min Scan# 1246
Delta R.T. 0.00 min
Lab File: VF061516.D
Acq: 25 Jan 2019 12:44

Tgt Ion: 117 Resp: 461
Ion Ratio Lower Upper
117 100
201 0.0 29.3 87.8#





#91

1,2-Dichlorobenzene

Concen: 16.601 ug/l

RT: 12.95 min Scan# 1249

Delta R.T. 0.00 min

Lab File: VF061516.D

Acq: 25 Jan 2019 12:44

Instrument :

MSVOA_F

ClientSampleId :

VF01251SBS01

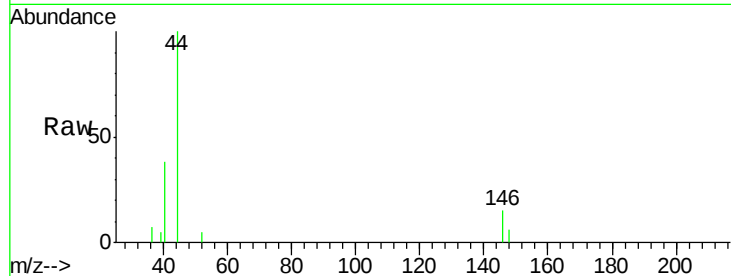
Tot Ion:146 Resp: 375

Ion Ratio Lower Upper

146 100

111 0.0 21.1 63.3#

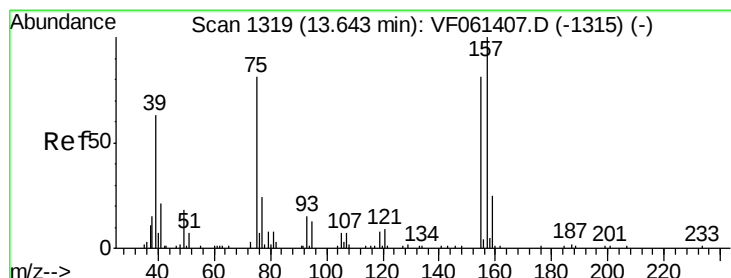
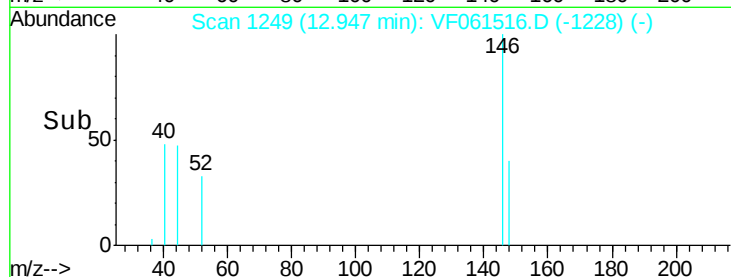
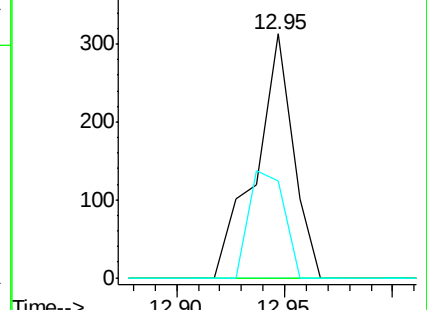
148 39.6 31.9 95.7



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 33.764 ug/l

RT: 13.69 min Scan# 1324

Delta R.T. 0.04 min

Lab File: VF061516.D

Acq: 25 Jan 2019 12:44

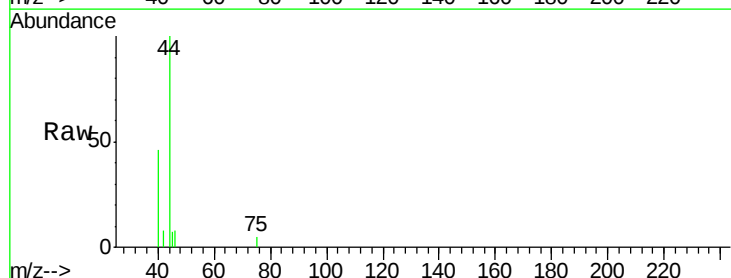
Tgt Ion: 75 Resp: 61

Ion Ratio Lower Upper

75 100

155 0.0 49.7 149.1#

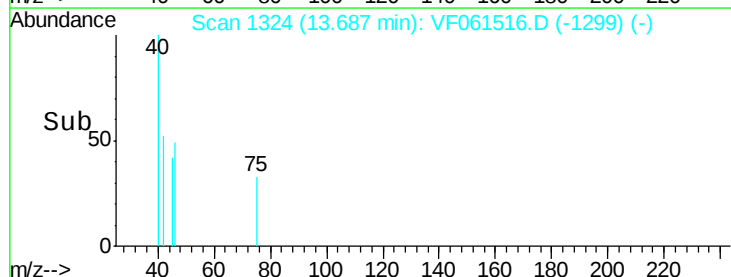
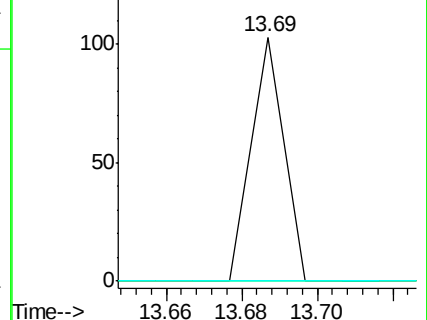
157 0.0 61.4 184.1#

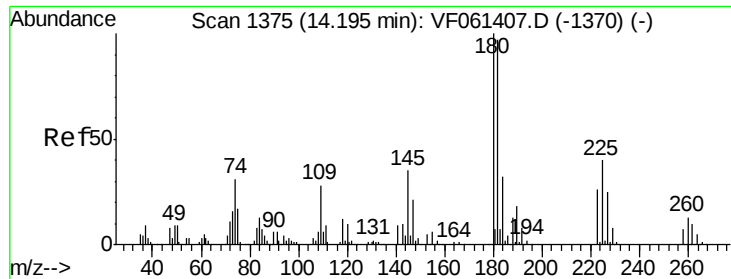


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

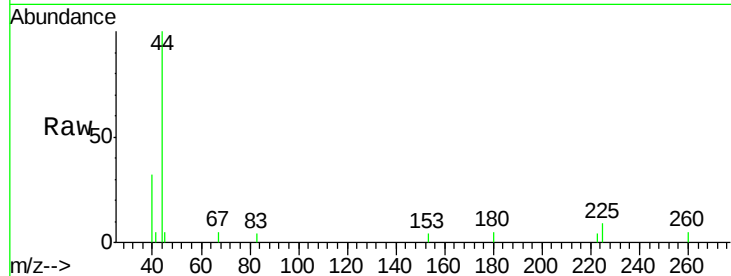




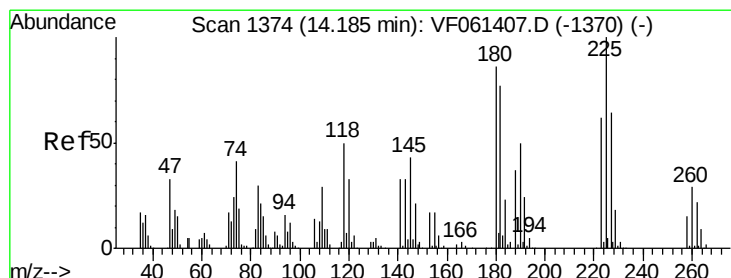
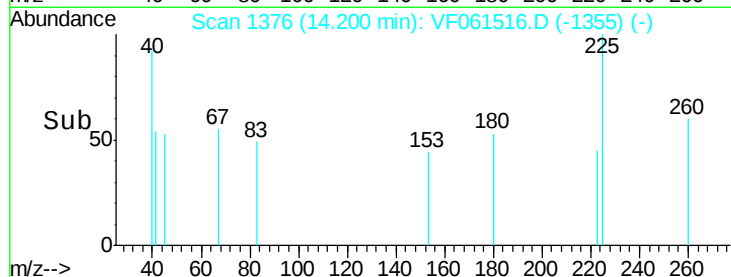
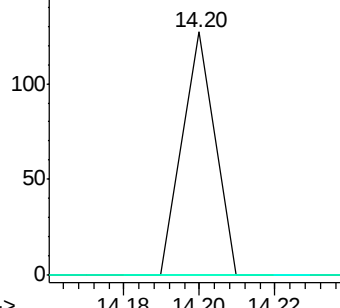
#93
 1,2,4-Trichlorobenzene
 Concen: 4.740 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. 0.00 min
 Lab File: VF061516.D
 Acq: 25 Jan 2019 12:44

Instrument :
 MSVOA_F
 ClientSampleId :
 VF01251SBS01

Tot Ion:180 Resp: 75
 Ion Ratio Lower Upper
 180 100
 182 0.0 48.5 145.6#
 145 0.0 17.5 52.6#

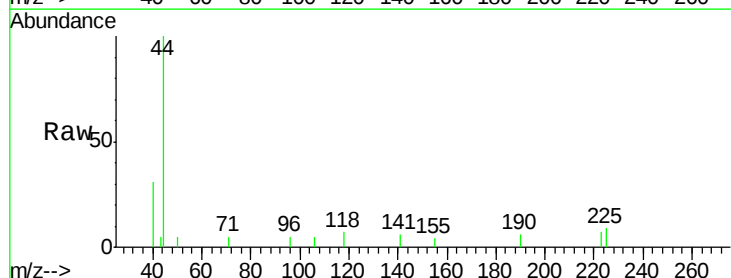


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

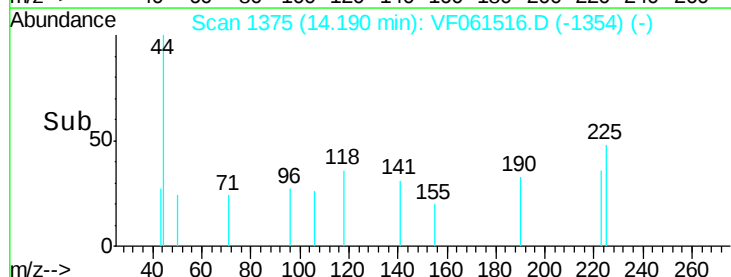
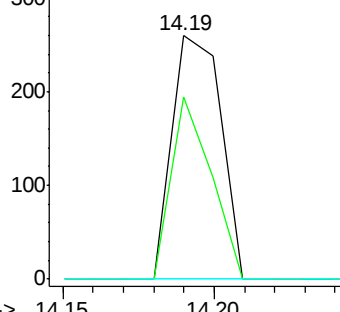


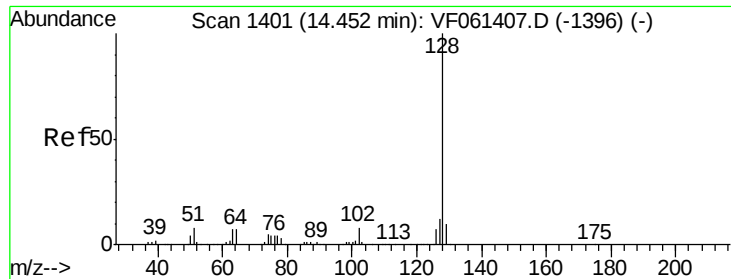
#94
 Hexachlorobutadiene
 Concen: 30.044 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. 0.00 min
 Lab File: VF061516.D
 Acq: 25 Jan 2019 12:44

Tgt Ion:225 Resp: 295
 Ion Ratio Lower Upper
 225 100
 223 75.0 31.1 93.2
 227 0.0 32.2 96.6#



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





#95
 Naphthalene
 Concen: 2.195 ug/l
 RT: 14.47 min Scan# 1403
 Delta R.T. 0.01 min
 Lab File: VF061516.D
 Acq: 25 Jan 2019 12:44

Instrument :
 MSVOA_F
 ClientSampleId :
 VF01251SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	0.0	9.5	14.3#
129	0.0	8.4	12.6#

