

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031219\
 Data File : VF061907.D
 Acq On : 12 Mar 2019 16:11
 Operator : VA/AP
 Sample : VF0312SBSD01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0312SBSD01

Quant Time: Mar 13 02:02:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 05 04:50:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	287528	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.59	114	431338	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.76	117	357989	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.54	152	201462	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.83	65	120387	57.49	ug/l	-0.02
Spiked Amount				50.000		
Recovery						= 114.98%
35) Dibromofluoromethane	4.10	113	171455	56.96	ug/l	-0.02
Spiked Amount				50.000		
Recovery						= 113.92%
50) Toluene-d8	7.54	98	474028	52.98	ug/l	-0.02
Spiked Amount				50.000		
Recovery						= 105.96%
62) 4-Bromofluorobenzene	11.40	95	184606	52.67	ug/l	-0.02
Spiked Amount				50.000		
Recovery						= 105.34%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.96	85	82370	23.334	ug/l	95
3) Chloromethane	1.09	50	77026	22.515	ug/l #	88
4) Vinyl Chloride	1.13	62	80781	24.874	ug/l	98
5) Bromomethane	1.31	94	52943	23.921	ug/l	90
6) Chloroethane	1.39	64	37306	24.166	ug/l #	87
7) Trichlorofluoromethane	1.47	101	100474	25.331	ug/l	99
8) Diethyl Ether	1.62	74	19945	22.113	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	1.84	101	70250	26.081	ug/l	96
10) Methyl Iodide	1.91	142	90850	17.724	ug/l	96
11) Tert butyl alcohol	2.58	59	13251	111.495	ug/l	96
12) 1,1-Dichloroethene	1.79	96	58775	23.901	ug/l	87
13) Acrolein	2.00	56	13070	86.789	ug/l	100
14) Allyl chloride	2.09	41	80435	29.691	ug/l	93
15) Acrylonitrile	2.94	53	43202	114.157	ug/l	97
16) Acetone	2.23	43	56803	129.506	ug/l	92
17) Carbon Disulfide	1.80	76	140294	18.328	ug/l	98
18) Methyl Acetate	2.42	43	26121	30.961	ug/l	96
19) Methyl tert-butyl Ether	2.42	73	107263	25.785	ug/l	98
20) Methylene Chloride	2.18	84	26781	6.400	ug/l	96
21) trans-1,2-Dichloroethene	2.30	96	61504	26.575	ug/l	97
22) Diisopropyl ether	2.80	45	176712	25.076	ug/l	99
23) Vinyl Acetate	3.18	43	370042	117.544	ug/l	98
24) 1,1-Dichloroethane	2.86	63	105086	24.949	ug/l	98
25) 2-Butanone	4.33	43	99322	111.325	ug/l	100
26) 2,2-Dichloropropane	3.58	77	46525	24.743	ug/l	97
27) cis-1,2-Dichloroethene	3.47	96	74934	23.370	ug/l	98
28) Bromochloromethane	3.70	49	41158	22.416	ug/l	99
29) Tetrahydrofuran	4.06	42	43217	112.319	ug/l	97
30) Chloroform	3.85	83	116987	24.316	ug/l	100
31) Cyclohexane	3.67	56	65995	14.959	ug/l	95
32) 1,1,1-Trichloroethane	4.08	97	71630	24.155	ug/l	100
36) 1,1-Dichloropropene	4.27	75	92027	22.586	ug/l	96
37) Ethyl Acetate	4.10	43	36811	21.525	ug/l	98
38) Carbon Tetrachloride	3.98	117	68842	23.868	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.44	83	108015	22.444	ug/l	98
40) Benzene	4.62	78	237750	22.323	ug/l	99
41) Methacrylonitrile	4.73	41	20418	21.791	ug/l	94
42) 1,2-Dichloroethane	4.93	62	61083	23.014	ug/l	96
43) Isopropyl Acetate	6.95	43	42212	20.024	ug/l	98
44) Trichloroethene	5.49	130	74944	22.643	ug/l	99
45) 1,2-Dichloropropane	6.22	63	56337	22.245	ug/l	93
46) Dibromomethane	6.07	93	35273	22.130	ug/l	97
47) Bromodichloromethane	6.38	83	82081	23.310	ug/l	97
48) Methyl methacrylate	6.70	41	26542	19.894	ug/l	96
49) 1,4-Dioxane	6.69	88	5431	445.302	ug/l #	86
51) 4-Methyl-2-Pentanone	8.25	43	166701	114.415	ug/l	100
52) Toluene	7.61	92	141440	22.449	ug/l	99
53) t-1,3-Dichloropropene	8.26	75	63170	21.733	ug/l	92
54) cis-1,3-Dichloropropene	7.28	75	85529	21.333	ug/l	99
55) 1,1,2-Trichloroethane	8.48	97	39230	21.611	ug/l	94
56) Ethyl methacrylate	8.61	69	42075	20.566	ug/l	99
57) 1,3-Dichloropropane	8.83	76	63100	21.255	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.28	63	35760	110.496	ug/l	100
59) 2-Hexanone	9.48	43	121687	115.772	ug/l	98
60) Dibromochloromethane	8.70	129	55906	21.608	ug/l	96
61) 1,2-Dibromoethane	8.97	107	43849	21.966	ug/l	97
64) Tetrachloroethene	8.14	164	66453	24.158	ug/l	97
65) Chlorobenzene	9.78	112	154123	22.409	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.92	131	62722	23.538	ug/l	96
67) Ethyl Benzene	9.89	91	270656	23.743	ug/l	97
68) m/p-Xylenes	10.11	106	206690	47.330	ug/l	93
69) o-Xylene	10.70	106	110909	23.585	ug/l	93
70) Styrene	10.77	104	154886	23.404	ug/l	97
71) Bromoform	10.76	173	32028	22.741	ug/l	97
73) Isopropylbenzene	11.11	105	332054	23.941	ug/l	97
74) N-amyl acetate	11.36	43	73053	22.879	ug/l	93
75) 1,1,2,2-Tetrachloroethane	11.68	83	50327	21.832	ug/l	89
76) 1,2,3-Trichloropropane	11.78	75	36678	23.313	ug/l	97
77) Bromobenzene	11.48	156	71619	21.456	ug/l	92
78) n-propylbenzene	11.58	91	352725	22.520	ug/l	100
79) 2-Chlorotoluene	11.71	91	196936	21.993	ug/l	99
80) 1,3,5-Trimethylbenzene	11.81	105	254494	22.854	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.86	75	22656	31.492	ug/l	91
82) 4-Chlorotoluene	11.89	91	211543	23.096	ug/l	99
83) tert-Butylbenzene	12.12	119	286258	24.209	ug/l	90
84) 1,2,4-Trimethylbenzene	12.19	105	272507	24.963	ug/l	96
85) sec-Butylbenzene	12.29	105	360620	23.436	ug/l	98
86) p-Isopropyltoluene	12.45	119	321555	24.585	ug/l	98
87) 1,3-Dichlorobenzene	12.46	146	147961	23.345	ug/l	97
88) 1,4-Dichlorobenzene	12.56	146	141253	23.103	ug/l	97
89) n-Butylbenzene	12.84	91	303351	24.268	ug/l	94
90) Hexachloroethane	12.90	117	71615	22.748	ug/l	89
91) 1,2-Dichlorobenzene	12.93	146	139945	23.305	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.63	75	8683	23.825	ug/l	92

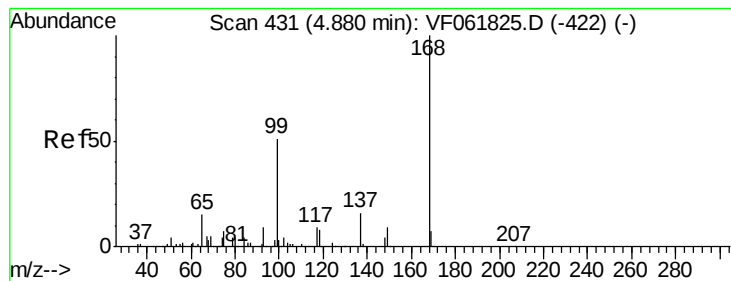
Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031219\
Data File : VF061907.D
Acq On : 12 Mar 2019 16:11
Operator : VA/AP
Sample : VF0312SBSD01
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Instrument :
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
Quant Title : SW846 8260
QLast Update : Tue Mar 05 04:50:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	98767	23.461	ug/l	92
94) Hexachlorobutadiene	14.18	225	60797	20.861	ug/l	95
95) Naphthalene	14.44	128	165610	22.087	ug/l	99
96) 1,2,3-Trichlorobenzene	14.59	180	89370	22.992	ug/l	94

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.02 min

Lab File: VF061907.D

Acq: 12 Mar 2019 16:11

Instrument :

MSVOA_F

ClientSampleId :

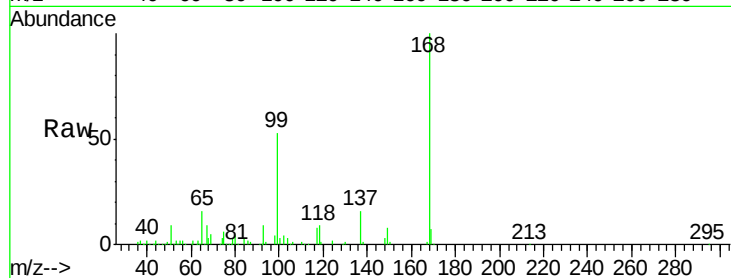
VF0312SBSD01

Tot Ion:168 Resp: 287528

Ion Ratio Lower Upper

168 100

99 53.4 40.8 61.2



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.86

100000

80000

60000

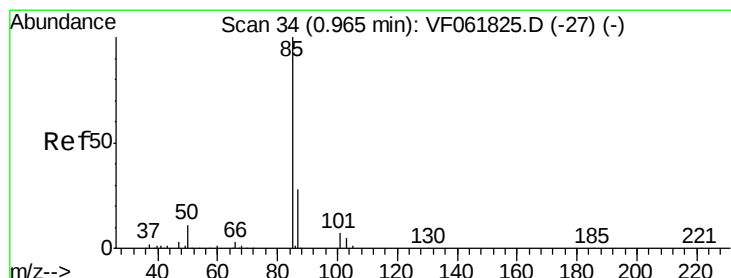
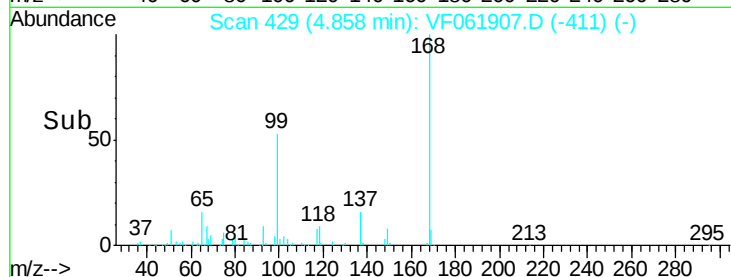
40000

20000

0

Time-->

4.70 4.80 4.90 5.00 5.10



#2

Dichlorodifluoromethane

Concen: 23.334 ug/l

RT: 0.96 min Scan# 34

Delta R.T. -0.00 min

Lab File: VF061907.D

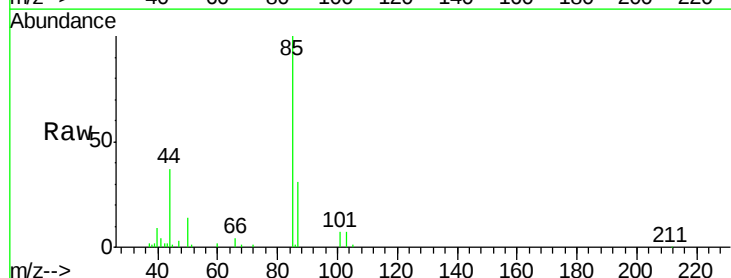
Acq: 12 Mar 2019 16:11

Tgt Ion: 85 Resp: 82370

Ion Ratio Lower Upper

85 100

87 30.8 14.1 42.2



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

25000

20000

15000

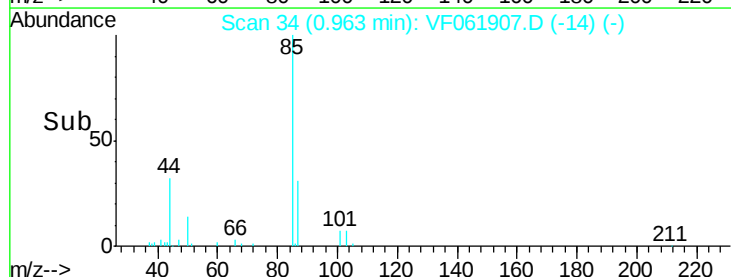
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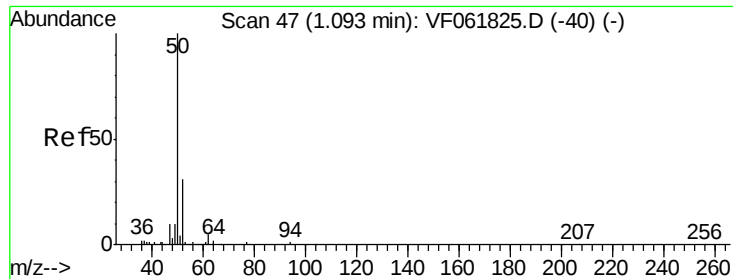
5000

0

Time-->

0.80 0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 22.515 ug/l

RT: 1.09 min Scan# 47

Delta R.T. -0.00 min

Lab File: VF061907.D

Acq: 12 Mar 2019 16:11

Instrument :

MSVOA_F

ClientSampleId :

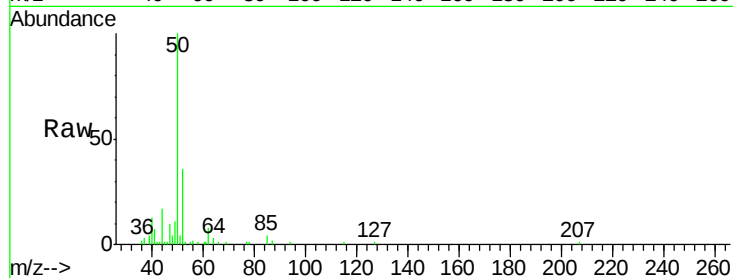
VF0312SBSD01

Tot Ion: 50 Resp: 77026

Ion Ratio Lower Upper

50 100

52 36.2 23.8 35.8#



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

1.09

20000

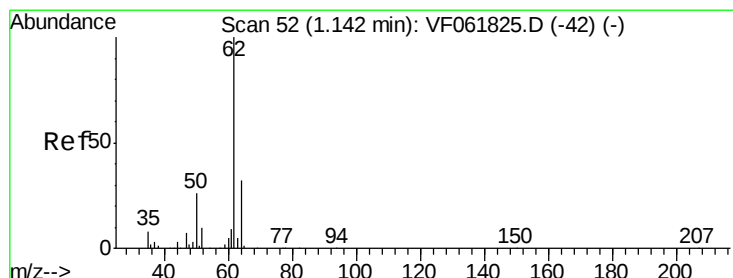
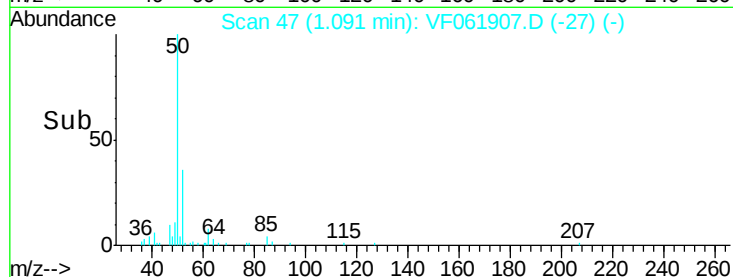
15000

10000

5000

0

Time-->



#4

Vinyl Chloride

Concen: 24.874 ug/l

RT: 1.13 min Scan# 51

Delta R.T. -0.01 min

Lab File: VF061907.D

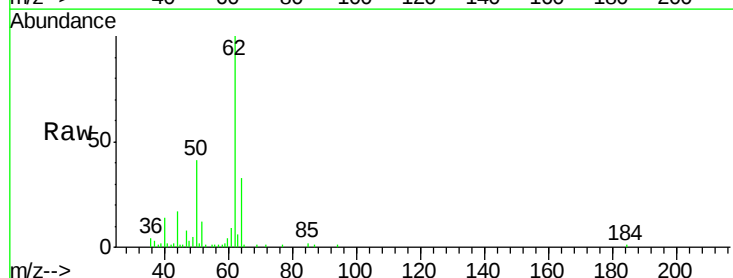
Acq: 12 Mar 2019 16:11

Tgt Ion: 62 Resp: 80781

Ion Ratio Lower Upper

62 100

64 32.8 25.2 37.8



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0

1.13

20000

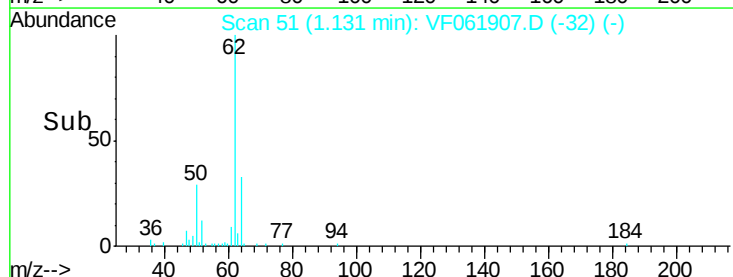
15000

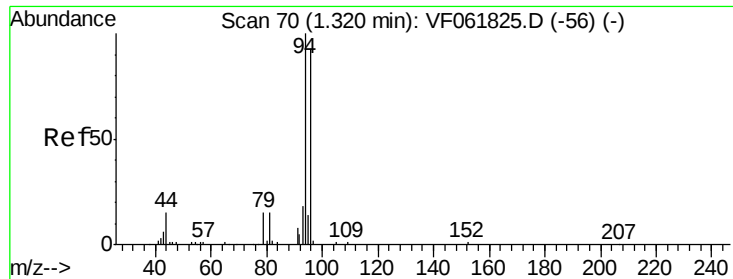
10000

5000

0

Time-->





#5

Bromomethane

Concen: 23.921 ug/l

RT: 1.31 min Scan# 69

Delta R.T. -0.01 min

Lab File: VF061907.D

Acq: 12 Mar 2019 16:11

Instrument :

MSVOA_F

ClientSampleId :

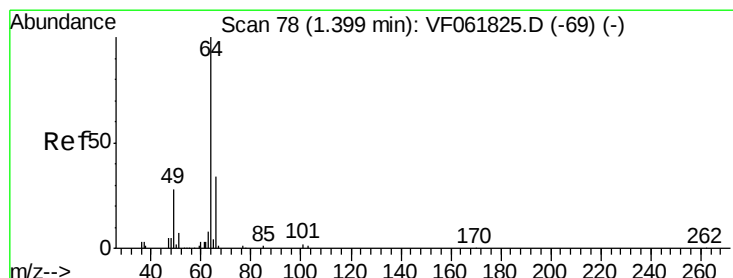
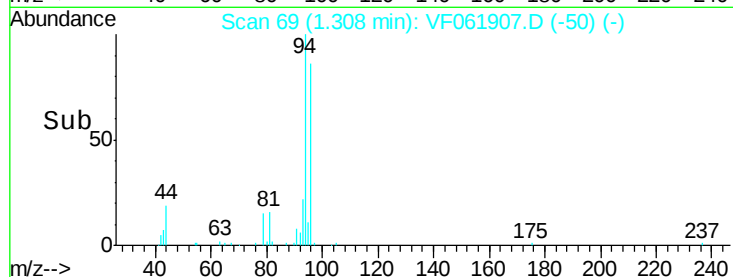
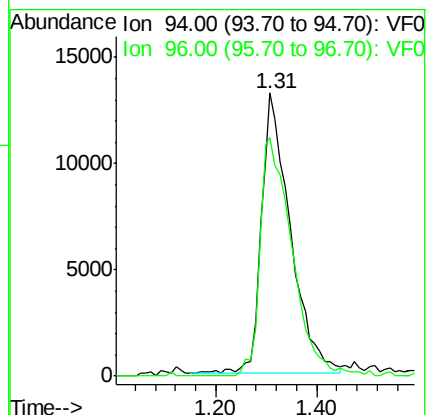
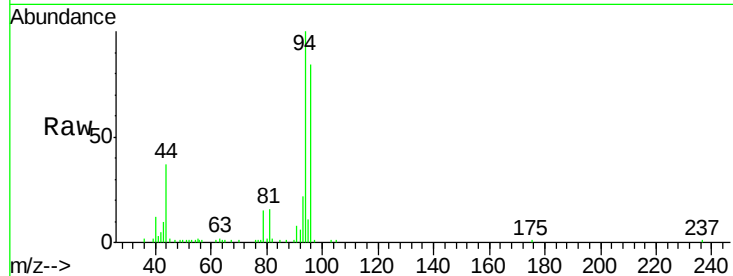
VF0312SBSD01

Tot Ion: 94 Resp: 52943

Ion Ratio Lower Upper

94 100

96 84.3 75.2 112.8



#6

Chloroethane

Concen: 24.166 ug/l

RT: 1.39 min Scan# 77

Delta R.T. -0.01 min

Lab File: VF061907.D

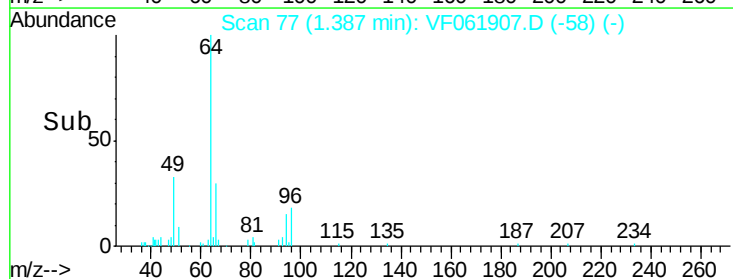
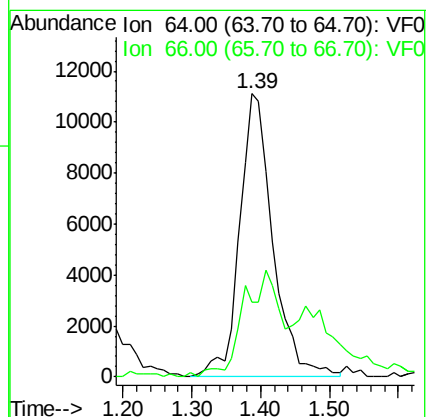
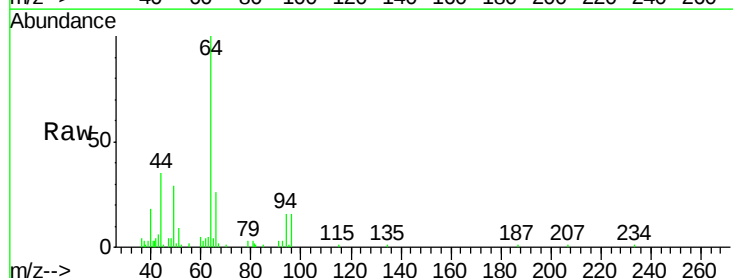
Acq: 12 Mar 2019 16:11

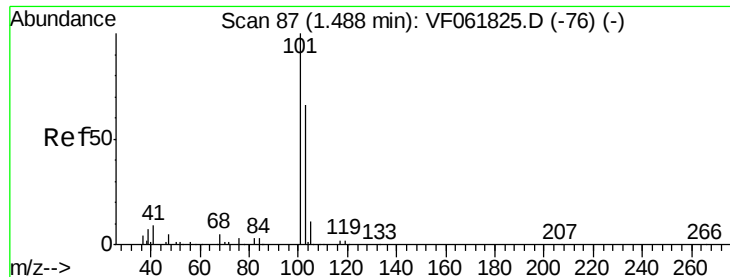
Tgt Ion: 64 Resp: 37306

Ion Ratio Lower Upper

64 100

66 26.3 27.0 40.4#





#7

Trichlorofluoromethane

Concen: 25.331 ug/l

RT: 1.47 min Scan# 85

Delta R.T. -0.02 min

Lab File: VF061907.D

Acq: 12 Mar 2019 16:11

Instrument :

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ClientSampleId :

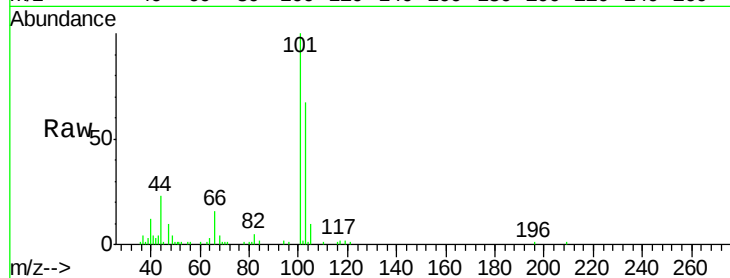
VF0312SBSD01

Tot Ion:101 Resp: 100474

Ion Ratio Lower Upper

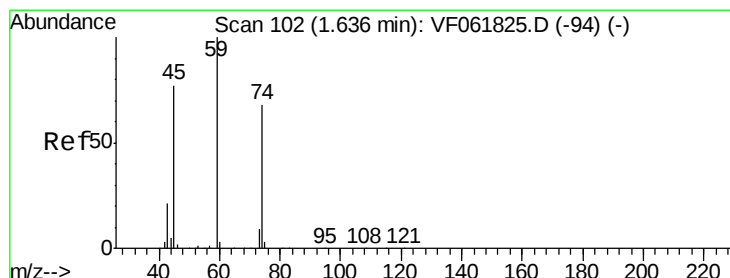
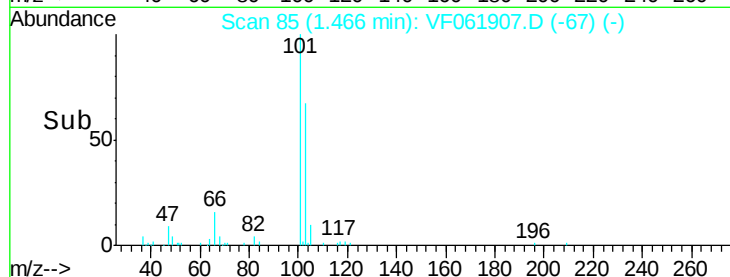
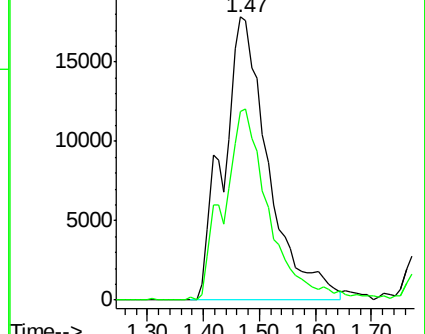
101 100

103 66.8 52.8 79.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 22.113 ug/l

RT: 1.62 min Scan# 101

Delta R.T. -0.01 min

Lab File: VF061907.D

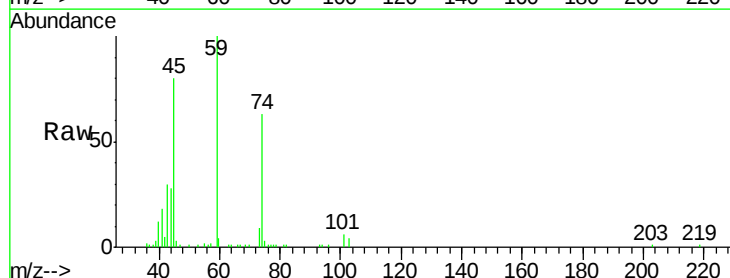
Acq: 12 Mar 2019 16:11

Tgt Ion: 74 Resp: 19945

Ion Ratio Lower Upper

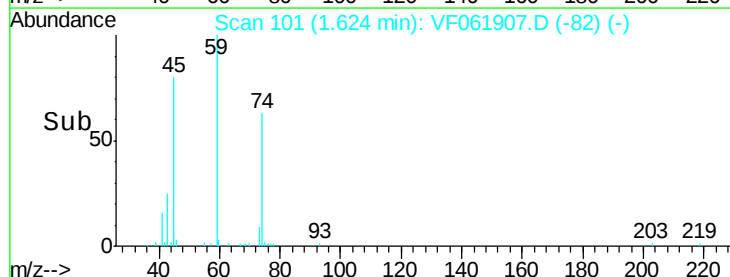
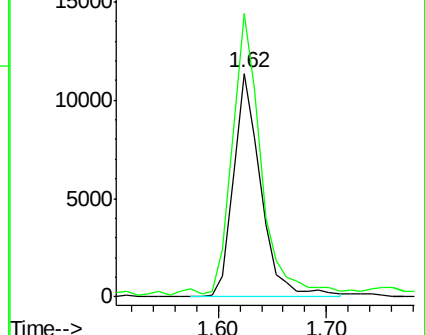
74 100

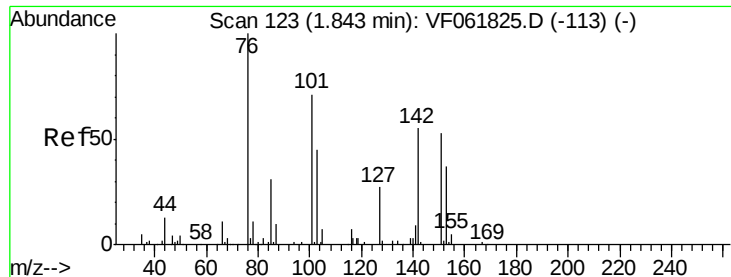
45 126.8 57.2 171.6



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 26.081 ug/l

RT: 1.84 min Scan# 123

Delta R.T. -0.00 min

Lab File: VF061907.D

Acq: 12 Mar 2019 16:11

Instrument :

MSVOA_F

ClientSampleId :

VF0312SBSD01

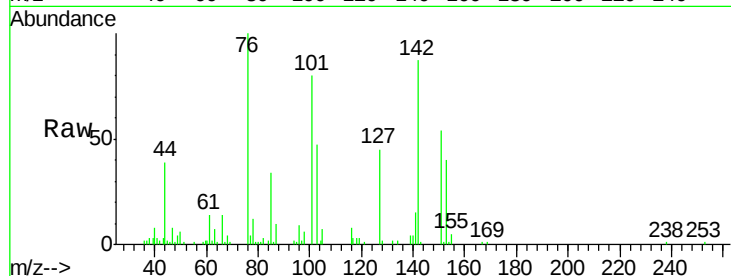
Tot Ion:101 Resp: 70250

Ion Ratio Lower Upper

101 100

85 42.9 34.0 51.0

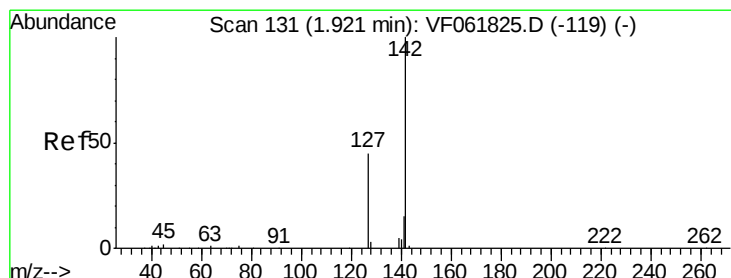
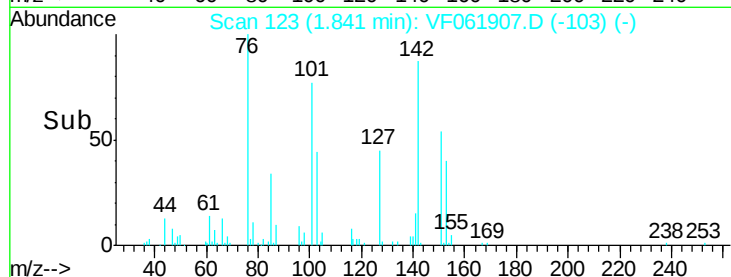
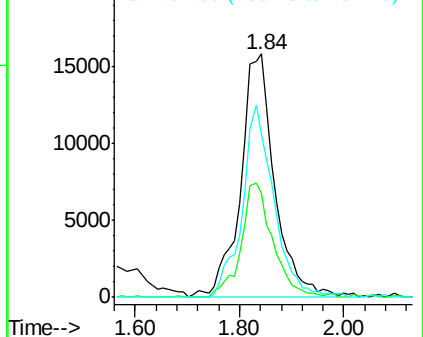
151 67.0 57.3 85.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 17.724 ug/l

RT: 1.91 min Scan# 130

Delta R.T. -0.01 min

Lab File: VF061907.D

Acq: 12 Mar 2019 16:11

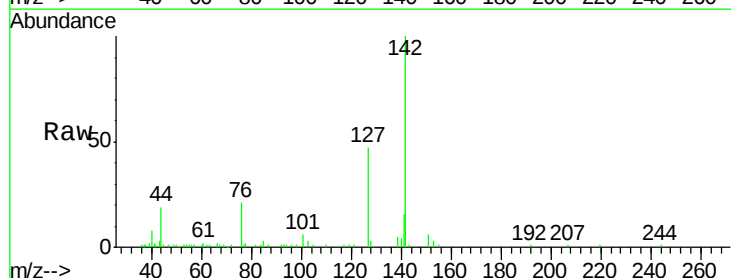
Tgt Ion:142 Resp: 90850

Ion Ratio Lower Upper

142 100

127 47.2 35.8 53.6

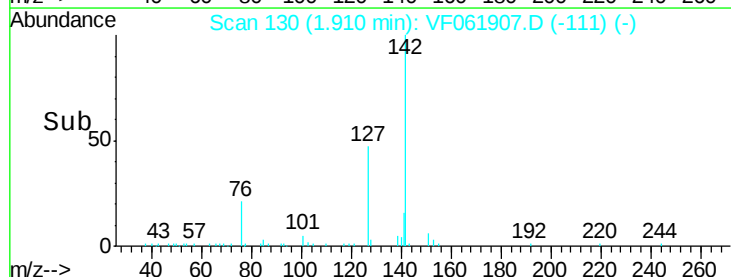
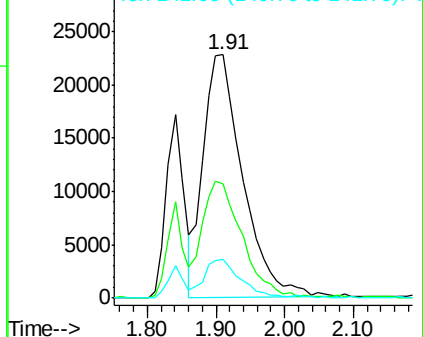
141 16.2 11.7 17.5

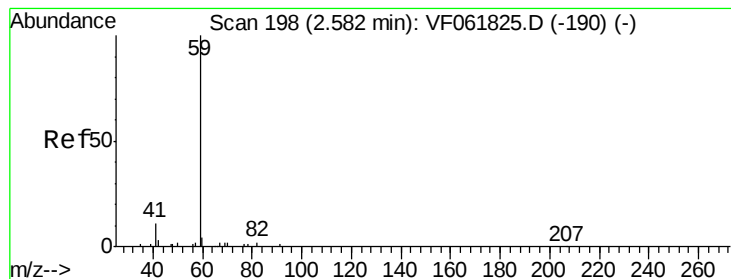


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



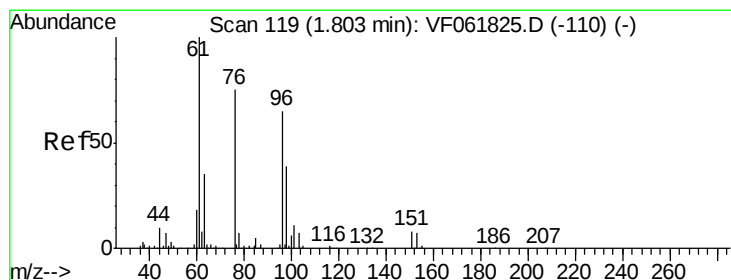
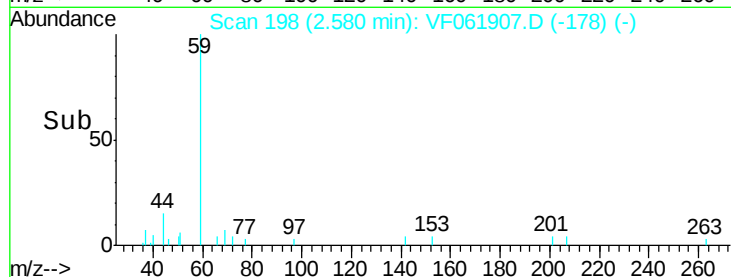
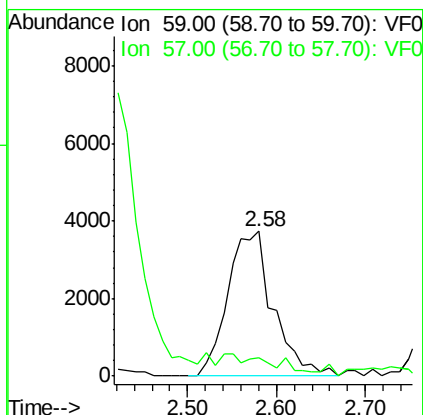
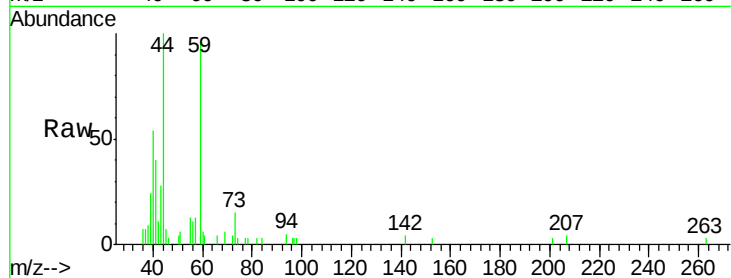


#11

Tert butyl alcohol
 Concen: 111.495 ug/l
 RT: 2.58 min Scan# 198
 Delta R.T. -0.00 min
 Lab File: VF061907.D
 Acq: 12 Mar 2019 16:11

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0312SBSD01

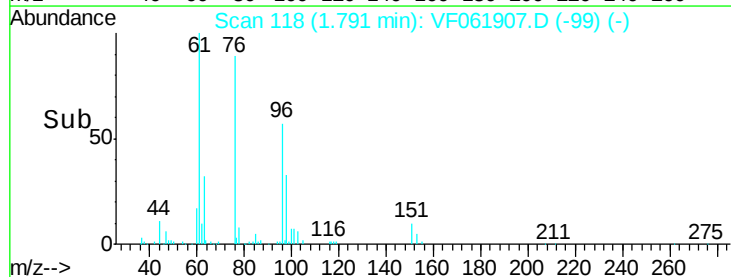
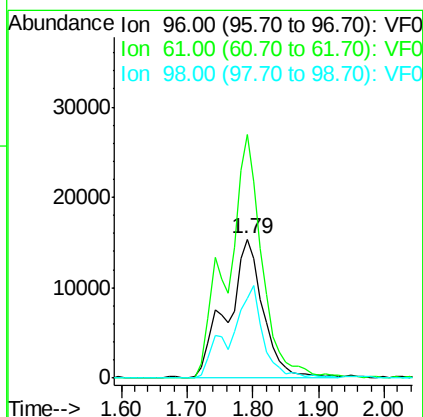
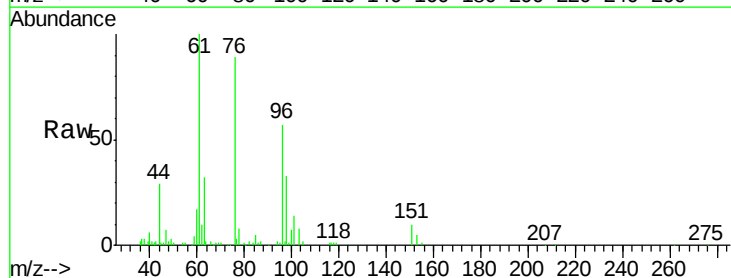
Tot Ion: 59 Resp: 13251
 Ion Ratio Lower Upper
 59 100
 57 13.2 11.8 17.6

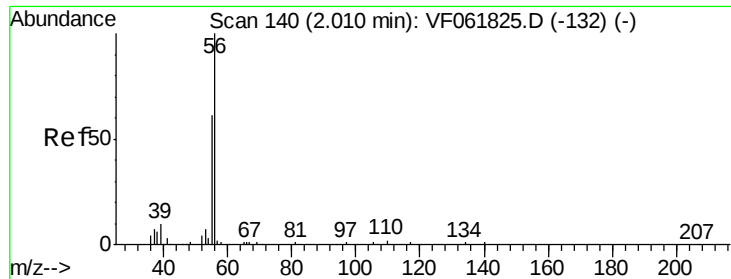


#12

1,1-Dichloroethene
 Concen: 23.901 ug/l
 RT: 1.79 min Scan# 118
 Delta R.T. -0.01 min
 Lab File: VF061907.D
 Acq: 12 Mar 2019 16:11

Tgt Ion: 96 Resp: 58775
 Ion Ratio Lower Upper
 96 100
 61 174.9 122.5 183.7
 98 57.7 47.1 70.7

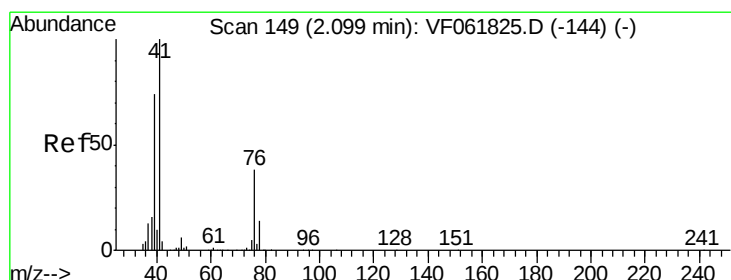
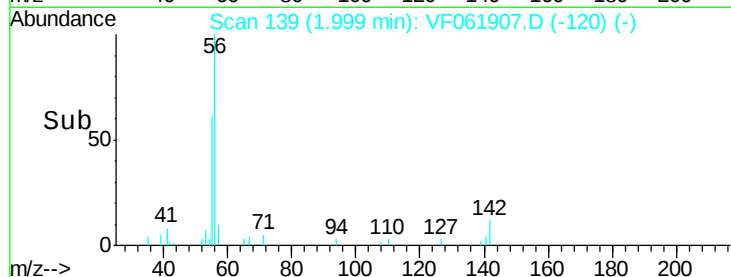
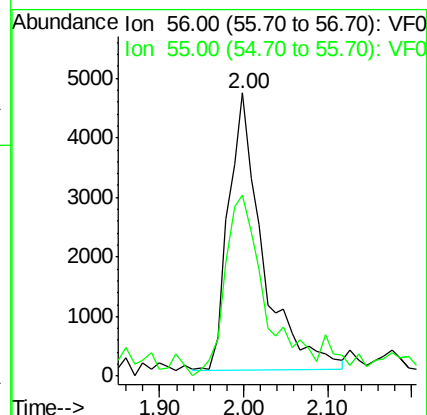
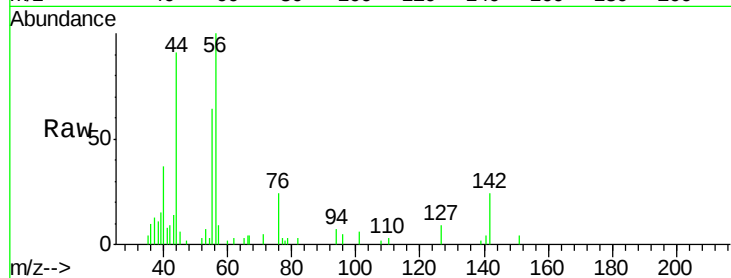




#13
Acrolein
Concen: 86.789 ug/l
RT: 2.00 min Scan# 139
Delta R.T. -0.01 min
Lab File: VF061907.D
Acq: 12 Mar 2019 16:11

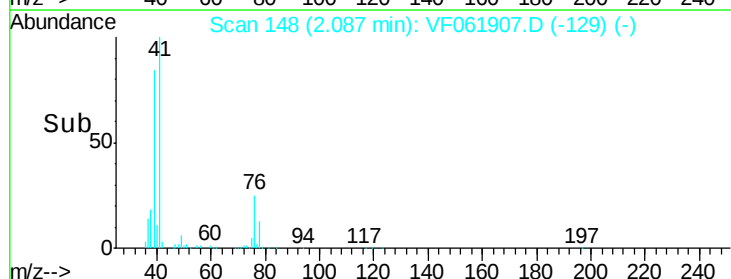
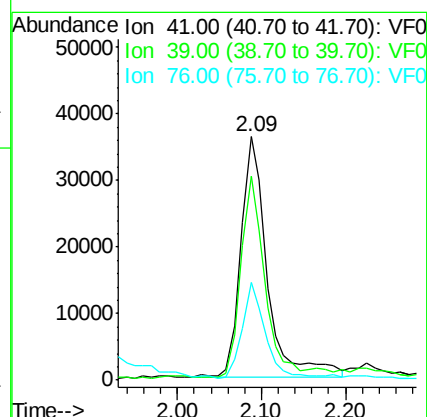
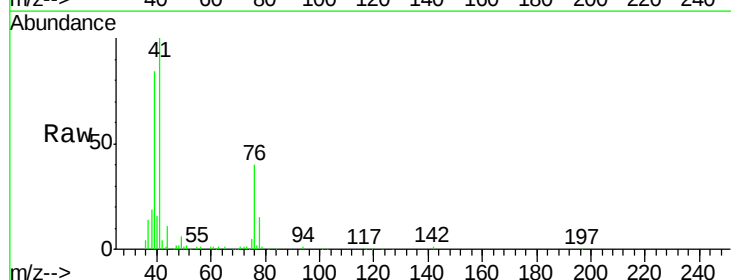
Instrument :
MSVOA_F
ClientSampleId :
VF0312SBSD01

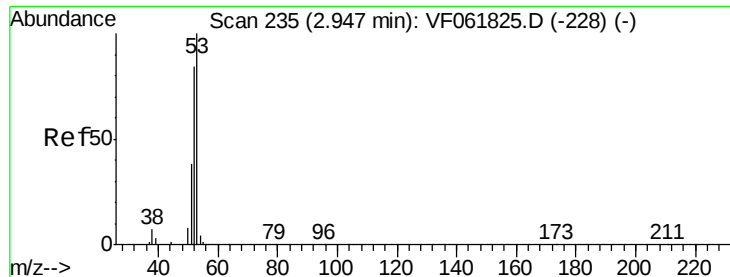
Tot Ion: 56 Resp: 13070
Ion Ratio Lower Upper
56 100
55 63.8 51.3 76.9



#14
Allyl chloride
Concen: 29.691 ug/l
RT: 2.09 min Scan# 148
Delta R.T. -0.01 min
Lab File: VF061907.D
Acq: 12 Mar 2019 16:11

Tgt Ion: 41 Resp: 80435
Ion Ratio Lower Upper
41 100
39 83.8 59.6 89.4
76 40.1 32.3 48.5





#15

Acrylonitrile

Concen: 114.157 ug/l

RT: 2.94 min Scan# 234

Delta R.T. -0.01 min

Lab File: VF061907.D

Acq: 12 Mar 2019 16:11

Instrument :

MSVOA_F

ClientSampleId :

VF0312SBSD01

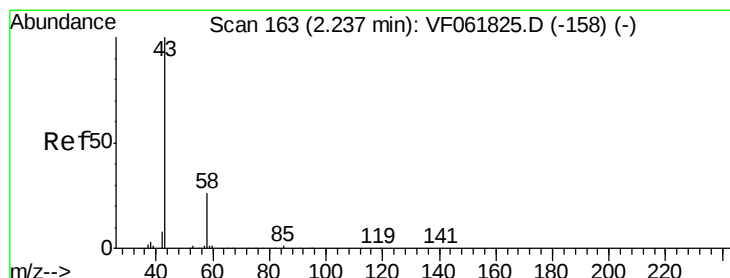
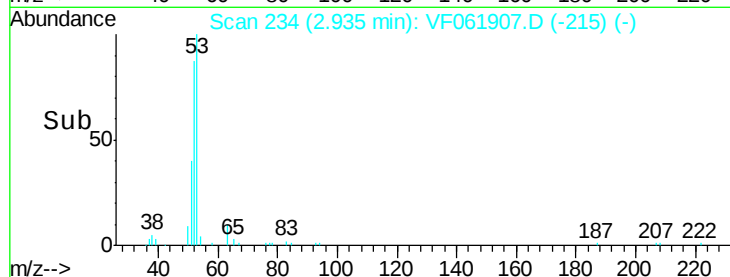
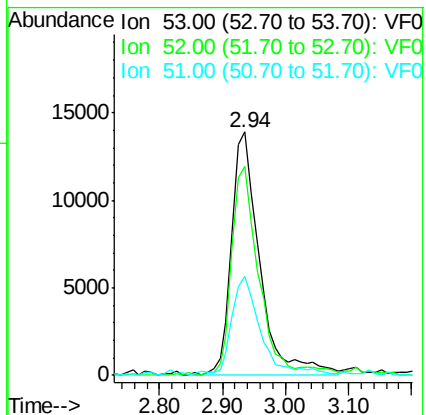
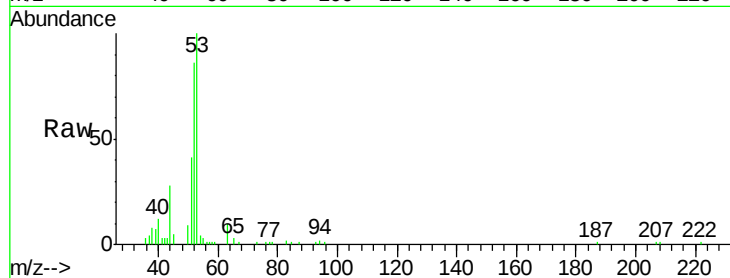
Tot Ion: 53 Resp: 43202

Ion Ratio Lower Upper

53 100

52 86.0 67.4 101.0

51 40.7 30.7 46.1



#16

Acetone

Concen: 129.506 ug/l

RT: 2.23 min Scan# 162

Delta R.T. -0.01 min

Lab File: VF061907.D

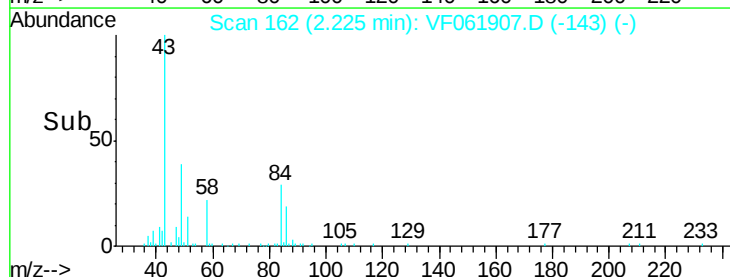
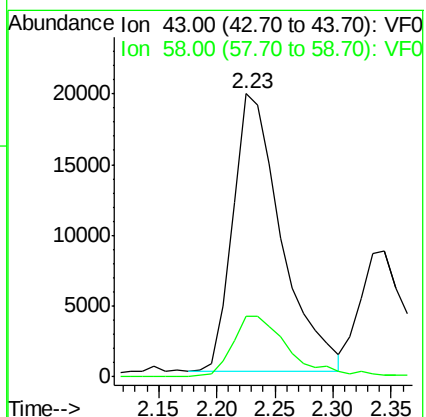
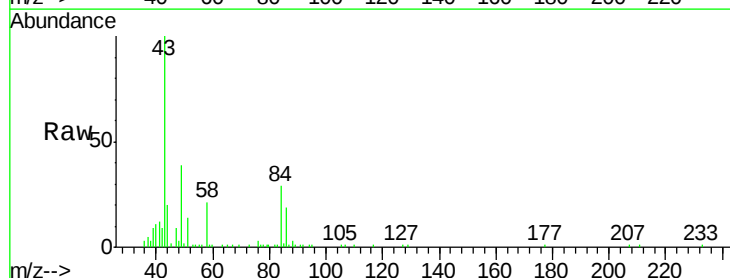
Acq: 12 Mar 2019 16:11

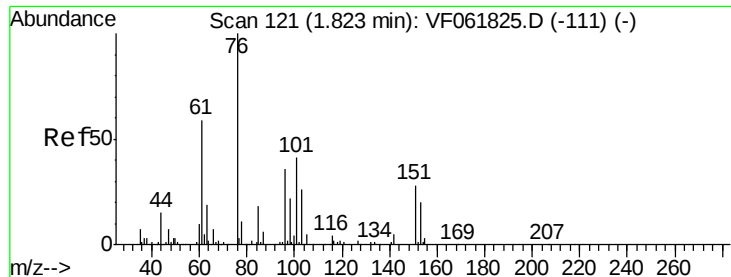
Tgt Ion: 43 Resp: 56803

Ion Ratio Lower Upper

43 100

58 21.4 20.3 30.5

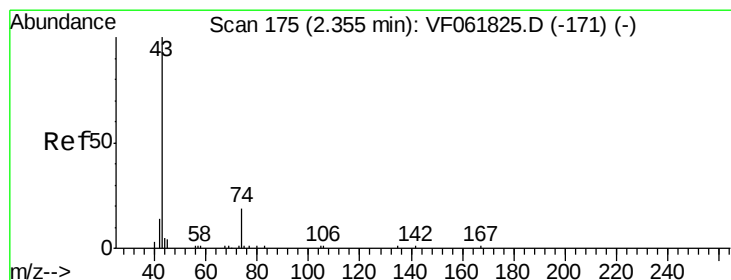
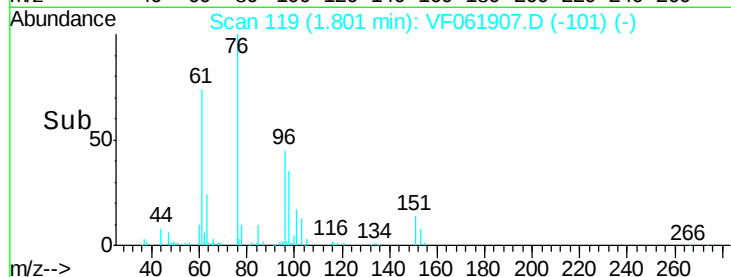
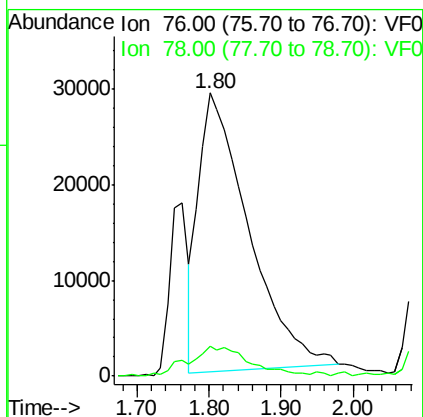
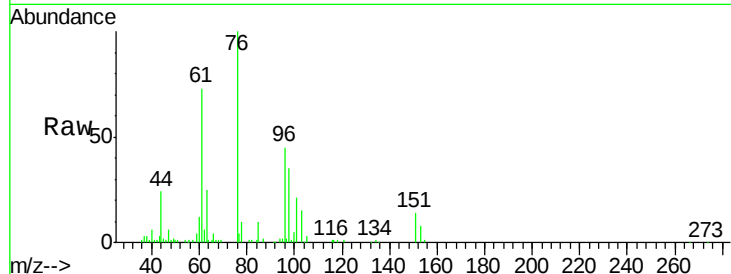




#17
Carbon Disulfide
Concen: 18.328 ug/l
RT: 1.80 min Scan# 119
Delta R.T. -0.02 min
Lab File: VF061907.D
Acq: 12 Mar 2019 16:11

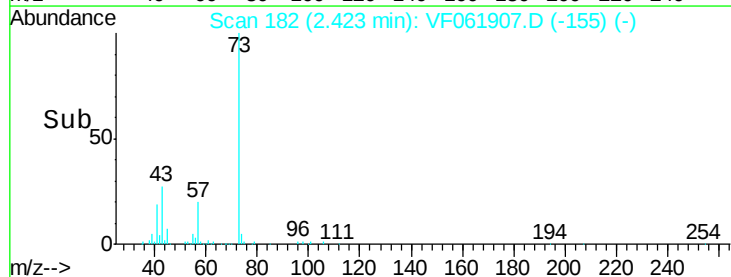
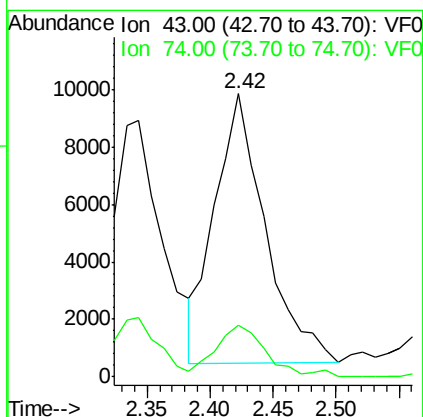
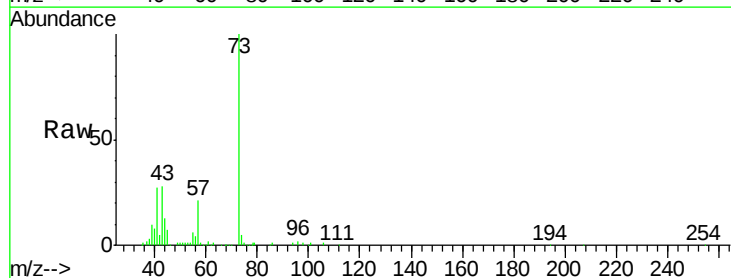
Instrument :
MSVOA_F
ClientSampleId :
VF0312SBSD01

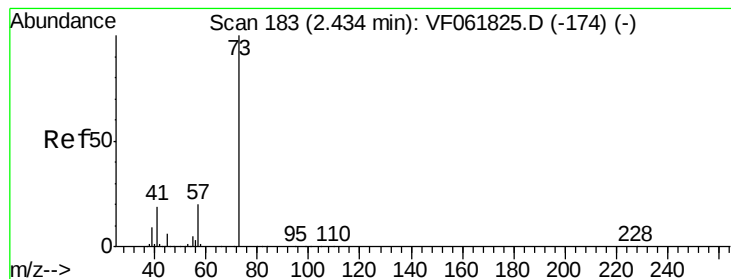
Tot Ion: 76 Resp: 140294
Ion Ratio Lower Upper
76 100
78 10.5 9.1 13.7



#18
Methyl Acetate
Concen: 30.961 ug/l
RT: 2.42 min Scan# 182
Delta R.T. 0.07 min
Lab File: VF061907.D
Acq: 12 Mar 2019 16:11

Tgt Ion: 43 Resp: 26121
Ion Ratio Lower Upper
43 100
74 18.3 13.2 19.8



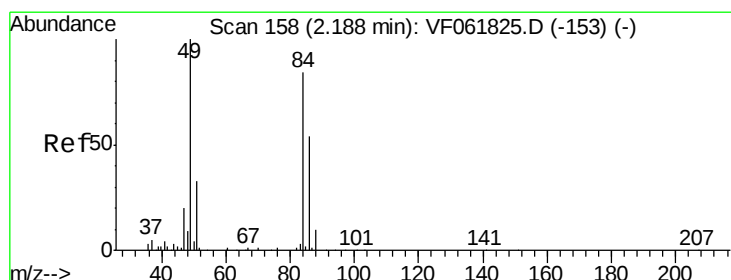
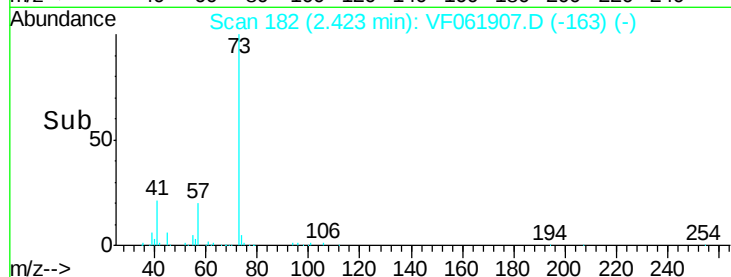
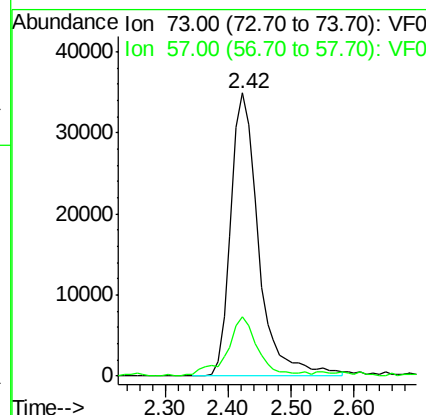
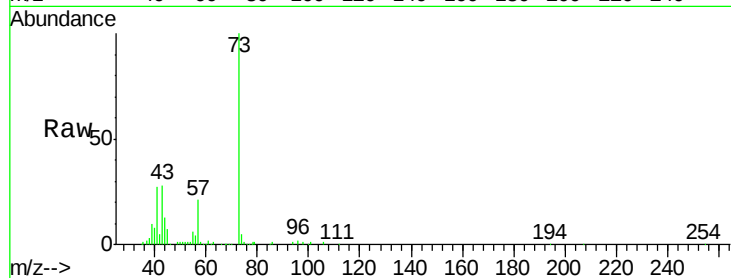


#19

Methyl tert-butyl Ether
 Concen: 25.785 ug/l
 RT: 2.42 min Scan# 182
 Delta R.T. -0.01 min
 Lab File: VF061907.D
 Acq: 12 Mar 2019 16:11

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0312SBS01

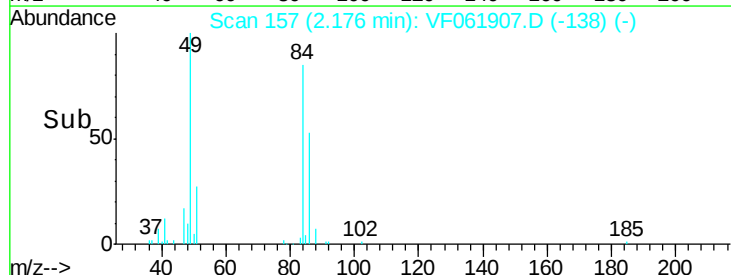
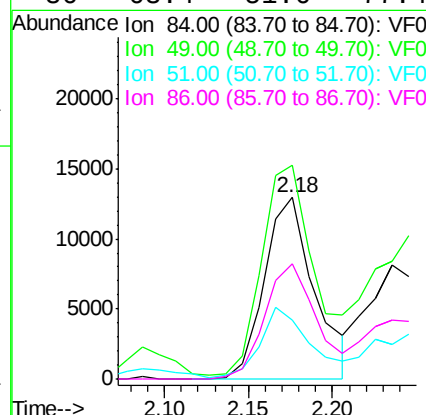
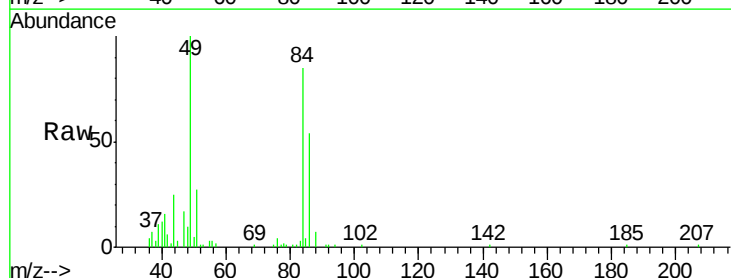
Tot Ion: 73 Resp: 107263
 Ion Ratio Lower Upper
 73 100
 57 20.9 16.1 24.1

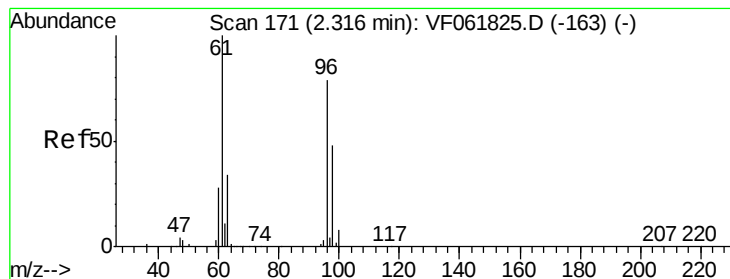


#20

Methylene Chloride
 Concen: 6.400 ug/l
 RT: 2.18 min Scan# 157
 Delta R.T. -0.01 min
 Lab File: VF061907.D
 Acq: 12 Mar 2019 16:11

Tgt Ion: 84 Resp: 26781
 Ion Ratio Lower Upper
 84 100
 49 117.7 96.8 145.2
 51 32.2 31.8 47.6
 86 63.4 51.6 77.4





#21

trans-1,2-Dichloroethene

Concen: 26.575 ug/l

RT: 2.30 min Scan# 170

Delta R.T. -0.01 min

Lab File: VF061907.D

Acq: 12 Mar 2019 16:11

Instrument :

MSVOA_F

ClientSampleId :

VF0312SBSD01

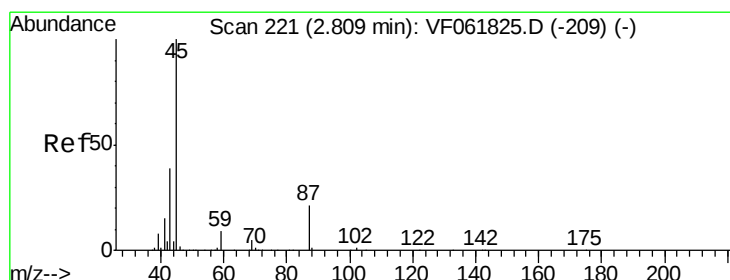
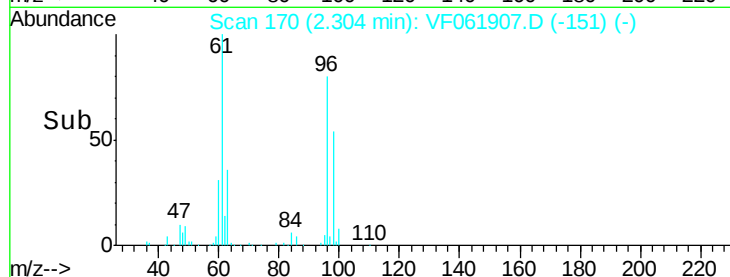
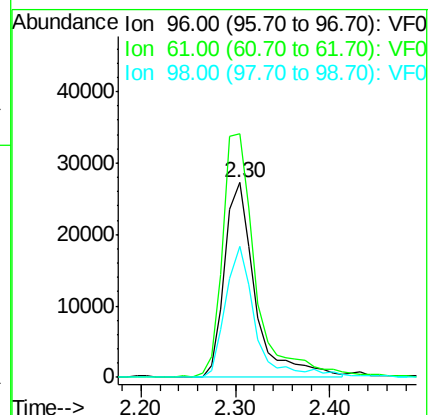
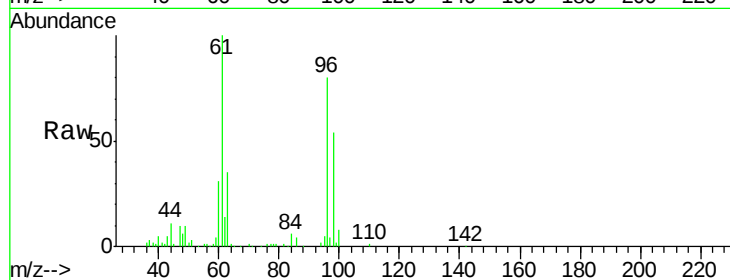
Tot Ion: 96 Resp: 61504

Ion Ratio Lower Upper

96 100

61 125.1 101.0 151.6

98 67.3 48.8 73.2



#22

Diisopropyl ether

Concen: 25.076 ug/l

RT: 2.80 min Scan# 220

Delta R.T. -0.01 min

Lab File: VF061907.D

Acq: 12 Mar 2019 16:11

Tgt Ion: 45 Resp: 176712

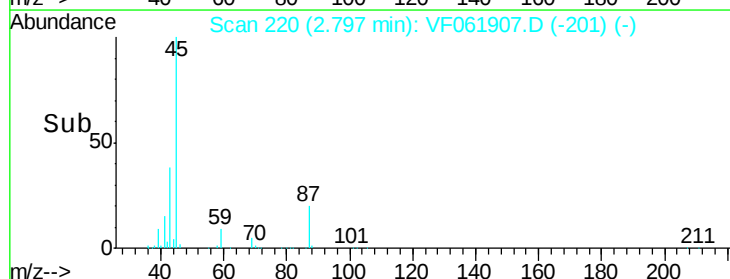
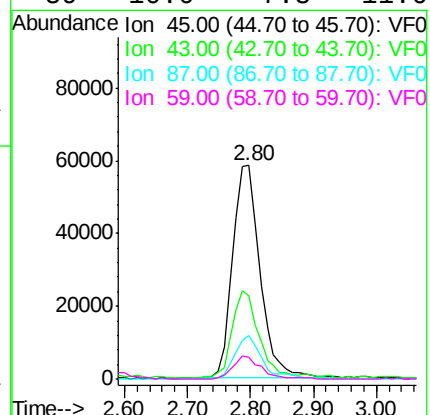
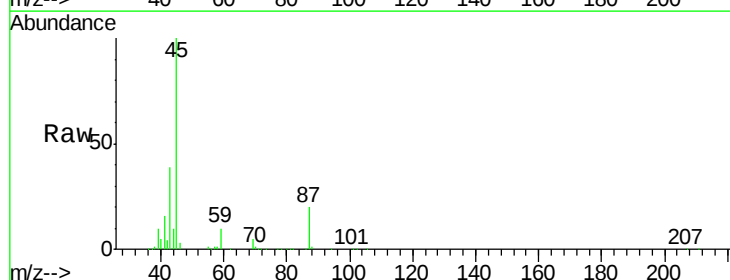
Ion Ratio Lower Upper

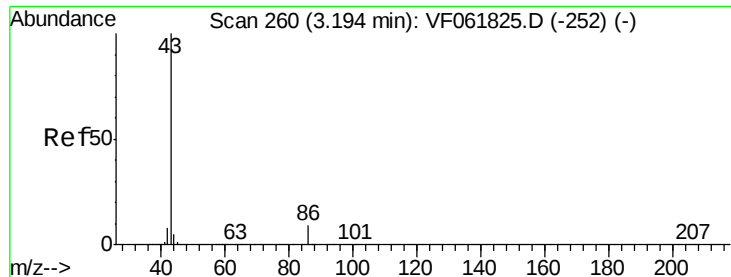
45 100

43 39.0 31.8 47.8

87 20.4 17.1 25.7

59 10.0 7.8 11.6





#23

Vinyl Acetate

Concen: 117.544 ug/l

RT: 3.18 min Scan# 259

Delta R.T. -0.01 min

Lab File: VF061907.D

Acq: 12 Mar 2019 16:11

Instrument :

MSVOA_F

ClientSampleId :

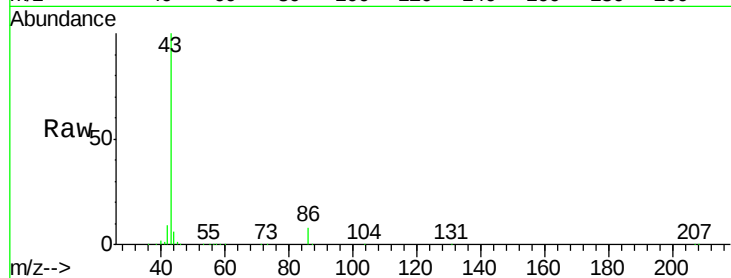
VF0312SBSD01

Tot Ion: 43 Resp: 370042

Ion Ratio Lower Upper

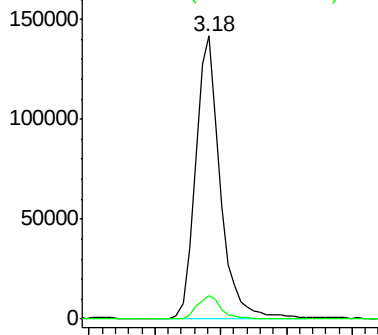
43 100

86 8.1 7.0 10.4

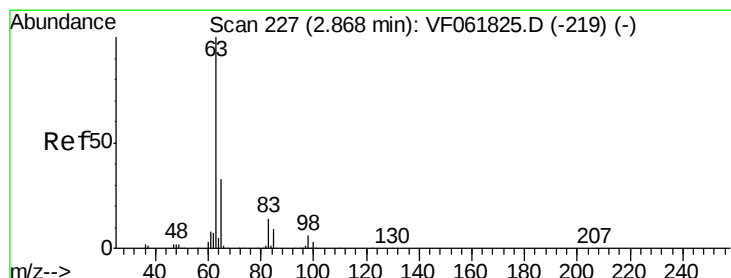
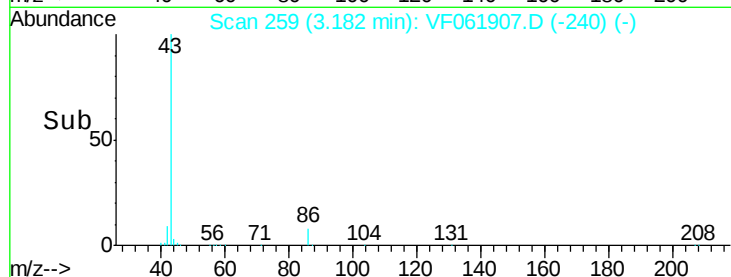


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



Time-->



#24

1,1-Dichloroethane

Concen: 24.949 ug/l

RT: 2.86 min Scan# 226

Delta R.T. -0.01 min

Lab File: VF061907.D

Acq: 12 Mar 2019 16:11

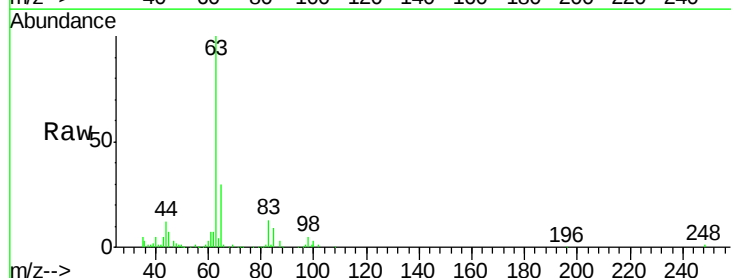
Tgt Ion: 63 Resp: 105086

Ion Ratio Lower Upper

63 100

98 5.1 2.9 8.6

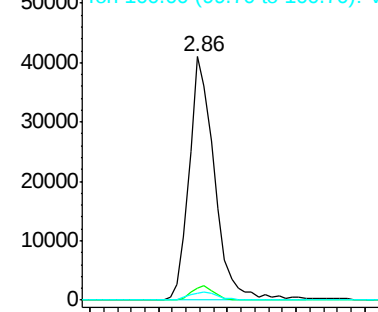
100 3.0 1.8 5.3



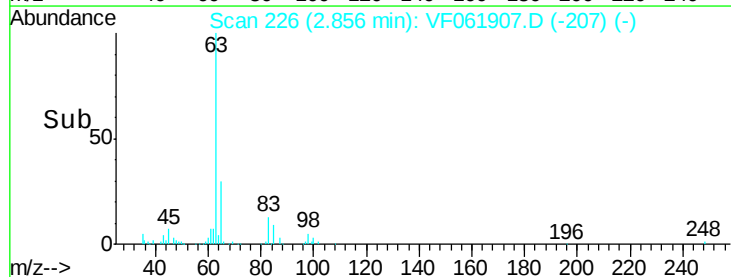
Abundance Ion 63.00 (62.70 to 63.70): VF0

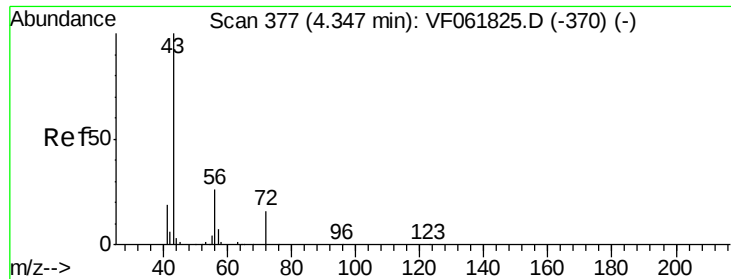
Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0



Time-->





#25

2-Butanone

Concen: 111.325 ug/l

RT: 4.33 min Scan# 375

Delta R.T. -0.02 min

Lab File: VF061907.D

Acq: 12 Mar 2019 16:11

Instrument :

MSVOA_F

ClientSampleId :

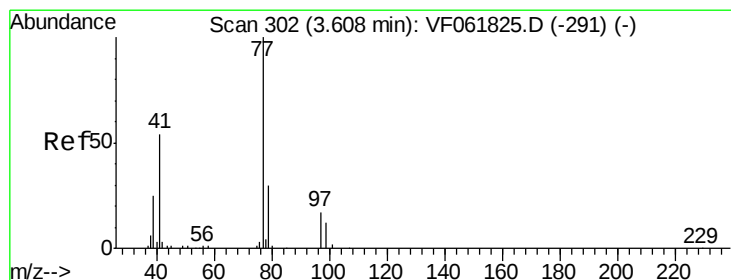
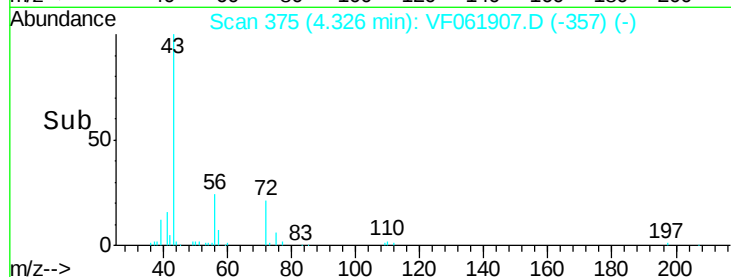
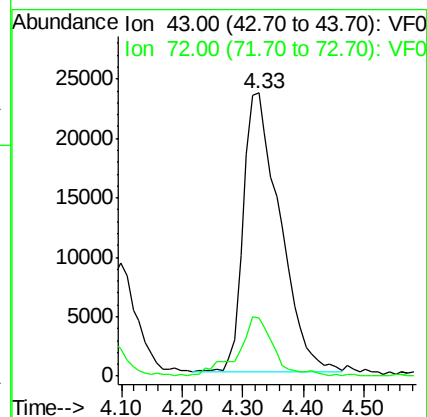
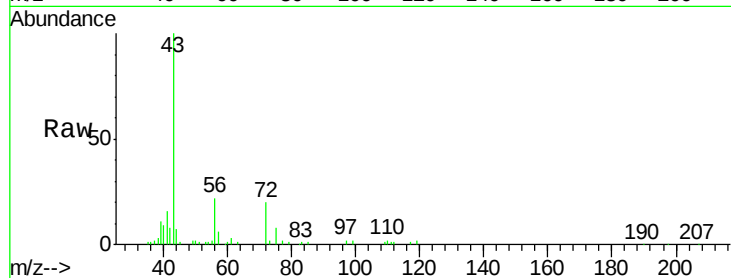
VF0312SBSD01

Tot Ion: 43 Resp: 99322

Ion Ratio Lower Upper

43 100

72 20.4 16.2 24.4



#26

2,2-Dichloropropane

Concen: 24.743 ug/l

RT: 3.58 min Scan# 299

Delta R.T. -0.03 min

Lab File: VF061907.D

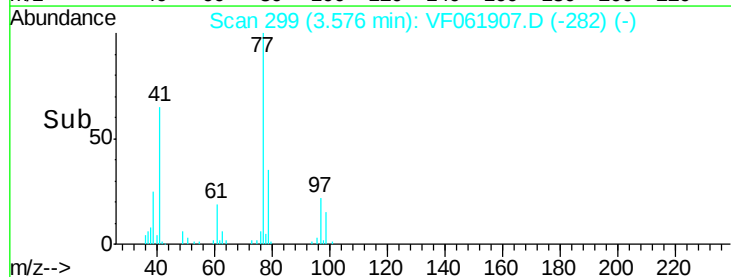
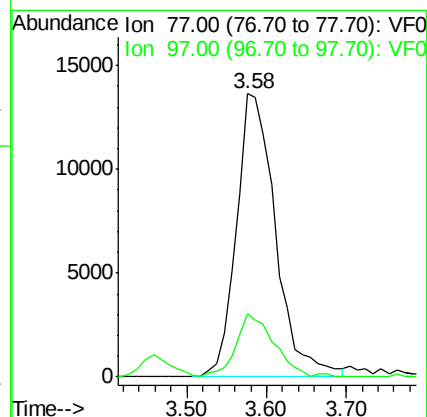
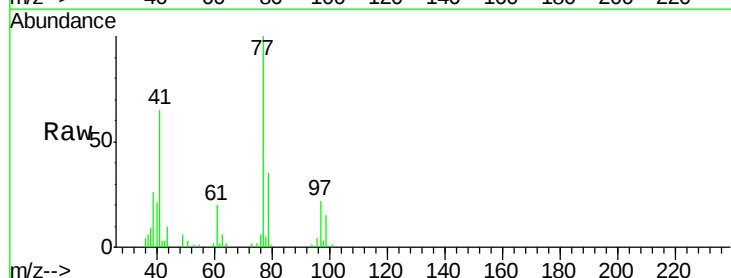
Acq: 12 Mar 2019 16:11

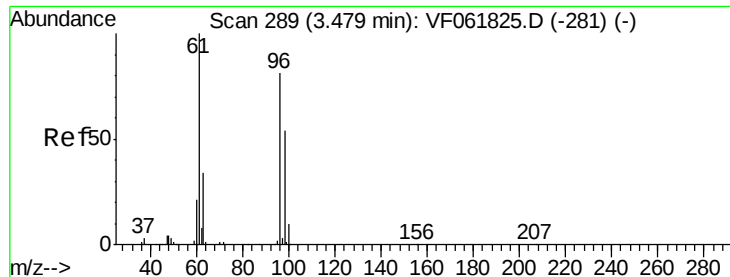
Tgt Ion: 77 Resp: 46525

Ion Ratio Lower Upper

77 100

97 22.3 10.4 31.4



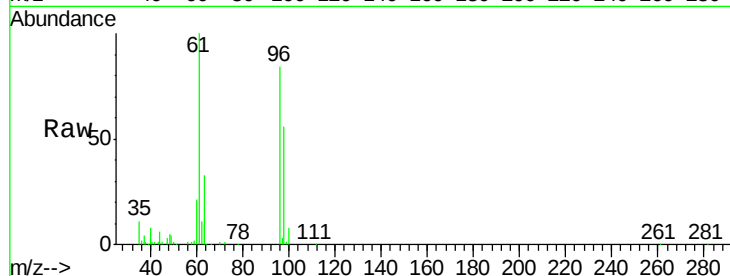


#27

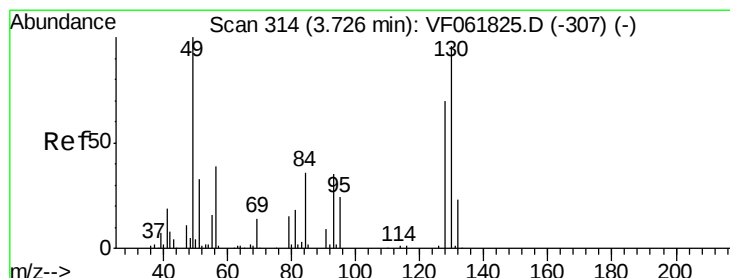
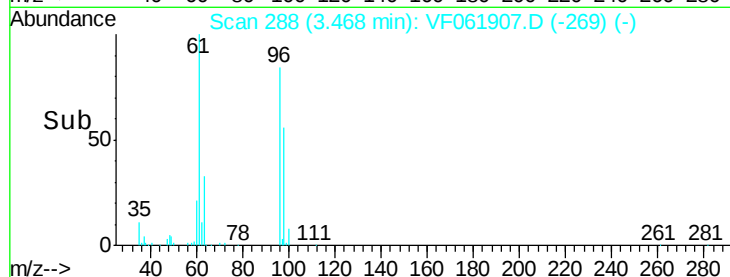
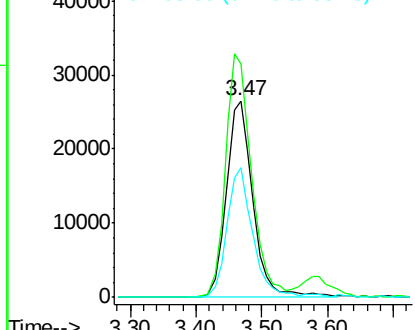
cis-1,2-Dichloroethene
Concen: 23.370 ug/l
RT: 3.47 min Scan# 288
Delta R.T. -0.01 min
Lab File: VF061907.D
Acq: 12 Mar 2019 16:11

Instrument :
MSVOA_F
ClientSampleId :
VF0312SBSD01

Tot Ion: 96 Resp: 74934
Ion Ratio Lower Upper
96 100
61 118.7 0.0 245.8
98 66.2 0.0 132.6



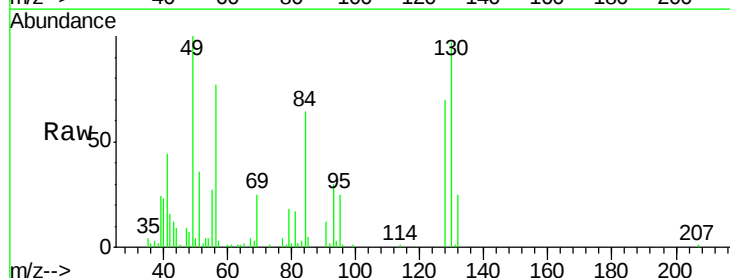
Abundance Ion 96.00 (95.70 to 96.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 98.00 (97.70 to 98.70): VF0



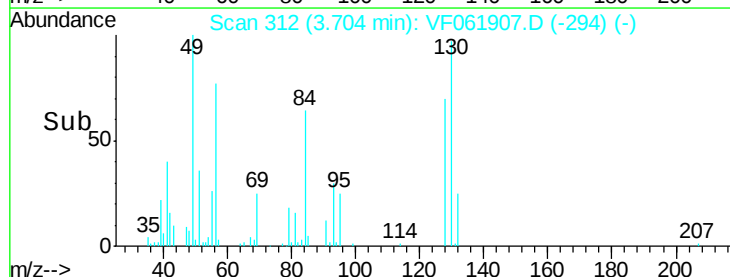
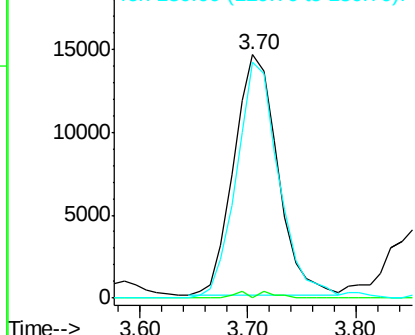
#28

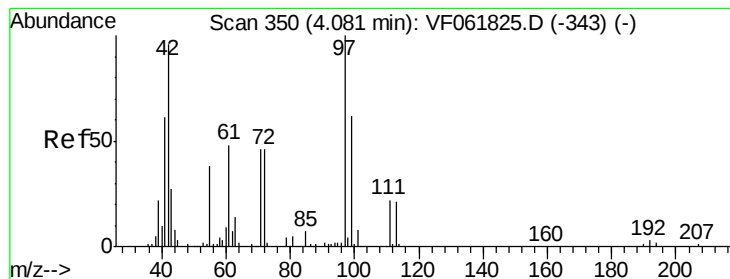
Bromochloromethane
Concen: 22.416 ug/l
RT: 3.70 min Scan# 312
Delta R.T. -0.02 min
Lab File: VF061907.D
Acq: 12 Mar 2019 16:11

Tgt Ion: 49 Resp: 41158
Ion Ratio Lower Upper
49 100
129 0.0 0.0 0.0
130 96.8 76.9 115.3



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: 112.319 ug/l

RT: 4.06 min Scan# 348

Delta R.T. -0.02 min

Lab File: VF061907.D

Acq: 12 Mar 2019 16:11

Instrument :

MSVOA_F

ClientSampleId :

VF0312SBSD01

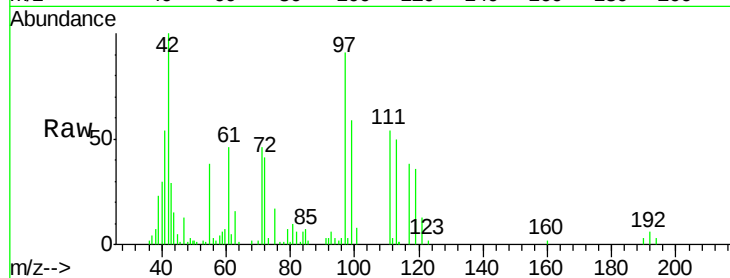
Tot Ion: 42 Resp: 43217

Ion Ratio Lower Upper

42 100

72 43.1 34.4 51.6

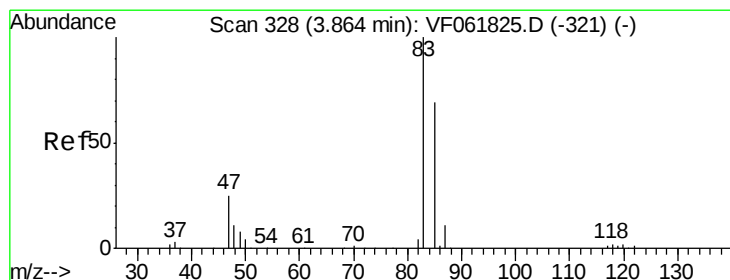
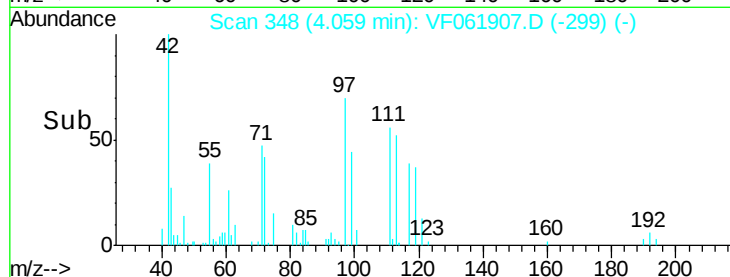
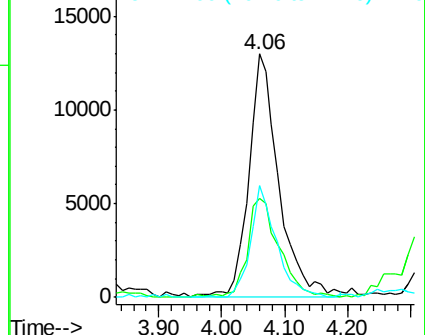
71 39.4 34.6 52.0



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: 24.316 ug/l

RT: 3.85 min Scan# 327

Delta R.T. -0.01 min

Lab File: VF061907.D

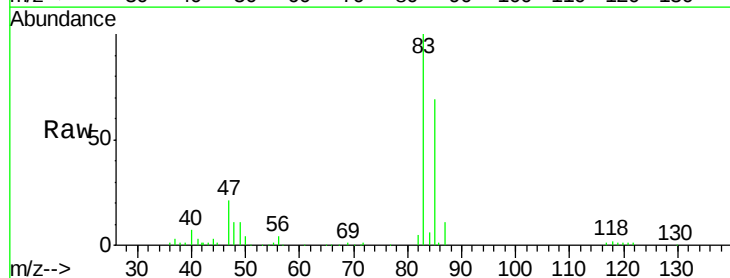
Acq: 12 Mar 2019 16:11

Tgt Ion: 83 Resp: 116987

Ion Ratio Lower Upper

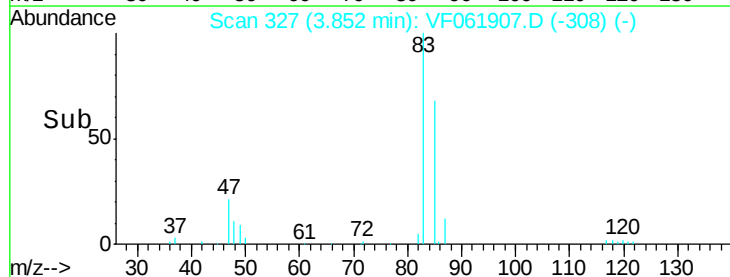
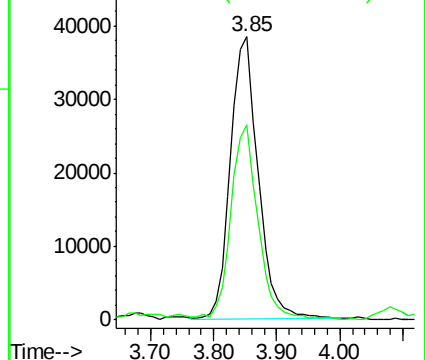
83 100

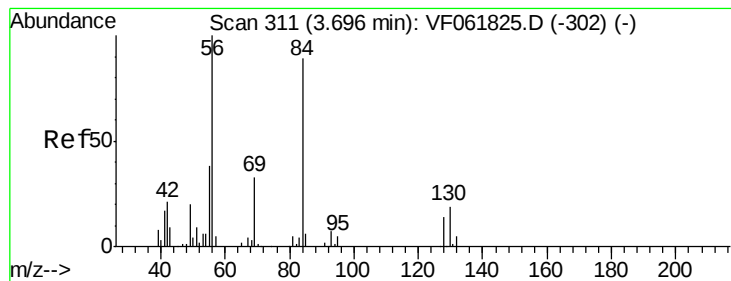
85 68.9 55.3 82.9



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0





#31

Cyclohexane

Concen: 14.959 ug/l

RT: 3.67 min Scan# 309

Delta R.T. -0.02 min

Lab File: VF061907.D

Acq: 12 Mar 2019 16:11

Instrument :

MSVOA_F

ClientSampleId :

VF0312SBSD01

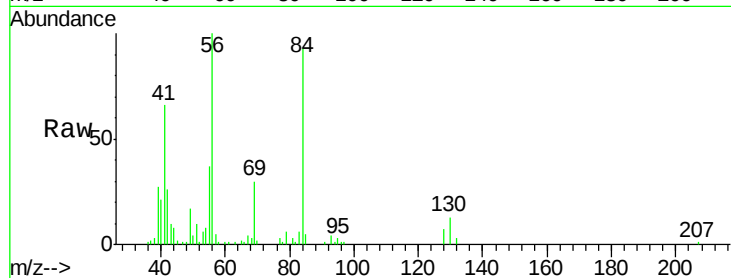
Tot Ion: 56 Resp: 65995

Ion Ratio Lower Upper

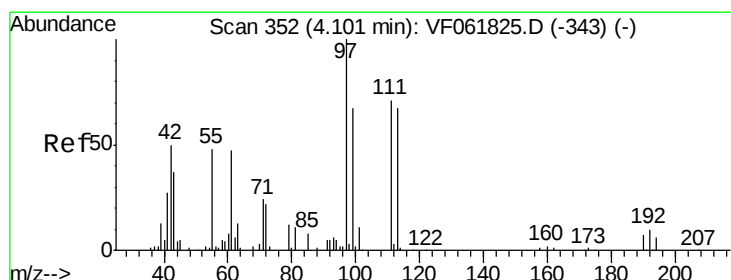
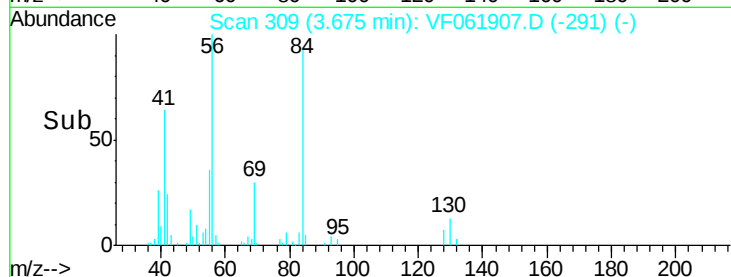
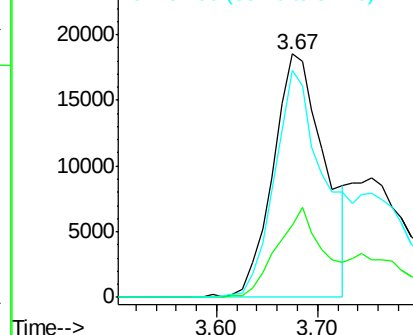
56 100

69 29.8 26.0 39.0

84 93.3 71.0 106.6



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: 24.155 ug/l

RT: 4.08 min Scan# 350

Delta R.T. -0.02 min

Lab File: VF061907.D

Acq: 12 Mar 2019 16:11

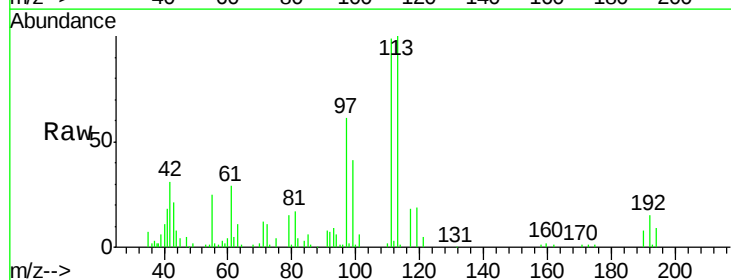
Tgt Ion: 97 Resp: 71630

Ion Ratio Lower Upper

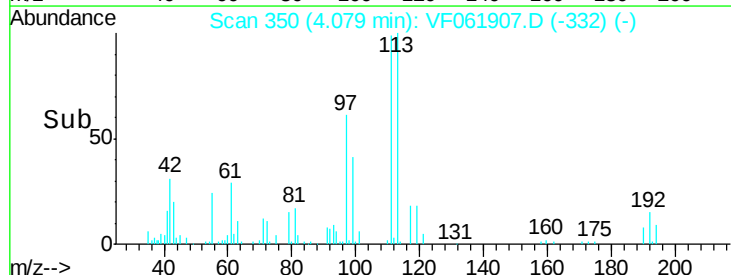
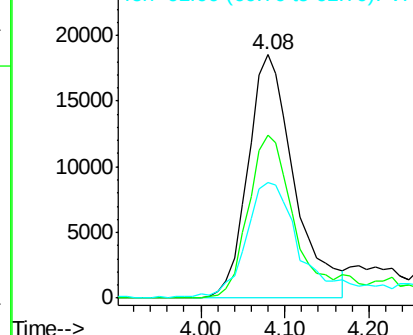
97 100

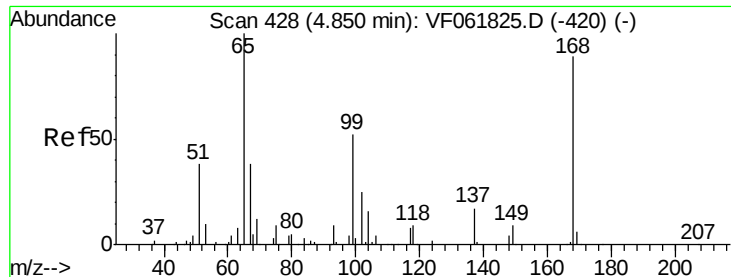
99 67.2 53.8 80.8

61 47.2 37.9 56.9



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

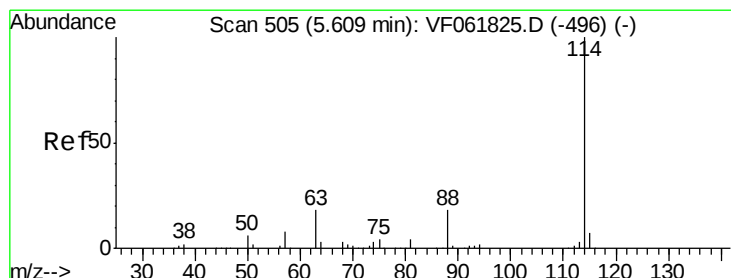
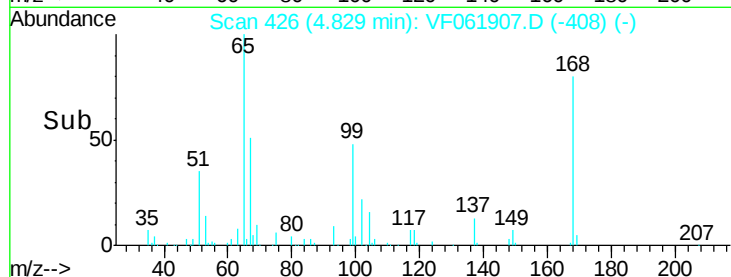
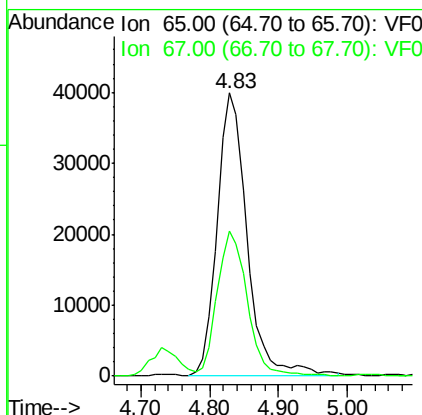
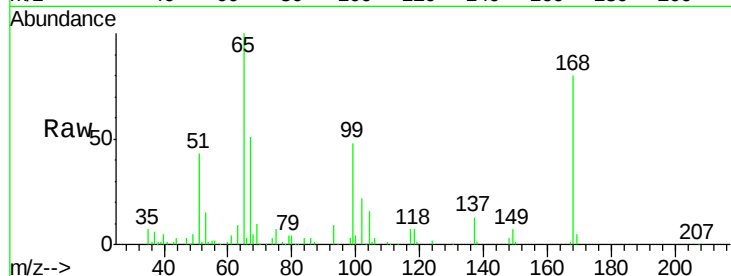




#33
 1,2-Dichloroethane-d4
 Concen: 57.494 ug/l
 RT: 4.83 min Scan# 426
 Delta R.T. -0.02 min
 Lab File: VF061907.D
 Acq: 12 Mar 2019 16:11

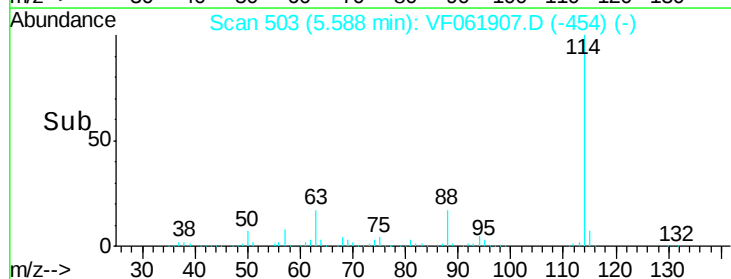
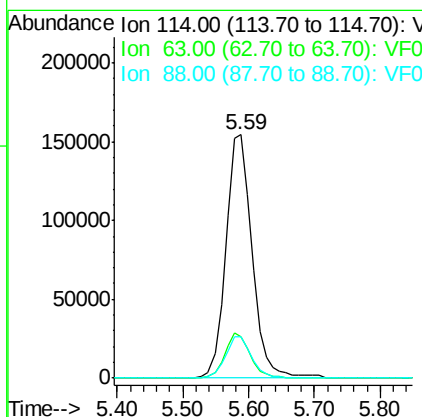
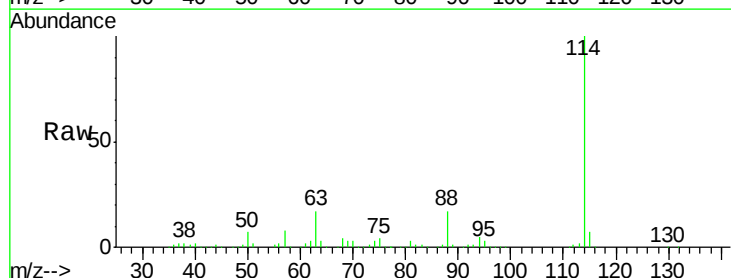
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0312SBSD01

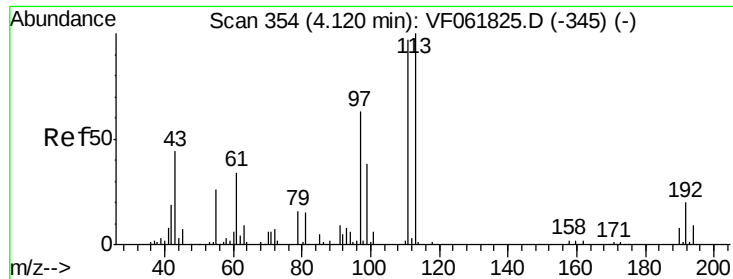
Tot Ion: 65 Resp: 120387
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 108.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.59 min Scan# 503
 Delta R.T. -0.02 min
 Lab File: VF061907.D
 Acq: 12 Mar 2019 16:11

Tgt Ion: 114 Resp: 431338
 Ion Ratio Lower Upper
 114 100
 63 16.9 0.0 35.6
 88 17.1 0.0 35.6

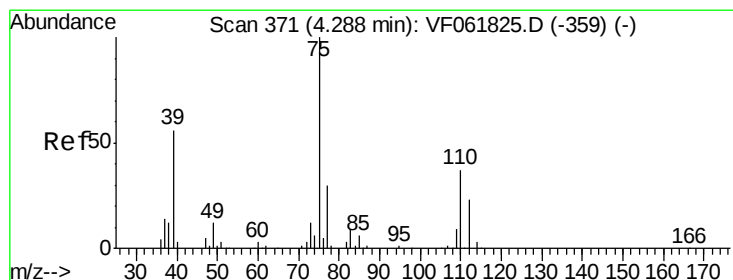
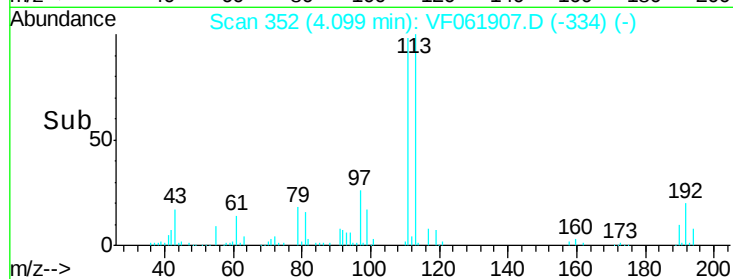
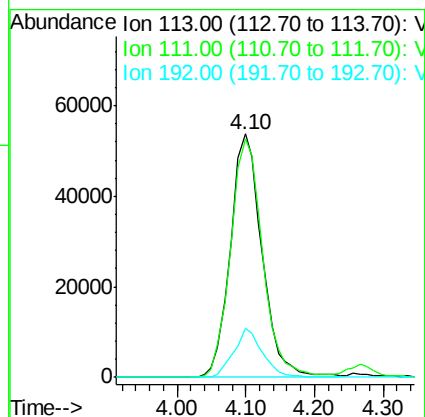
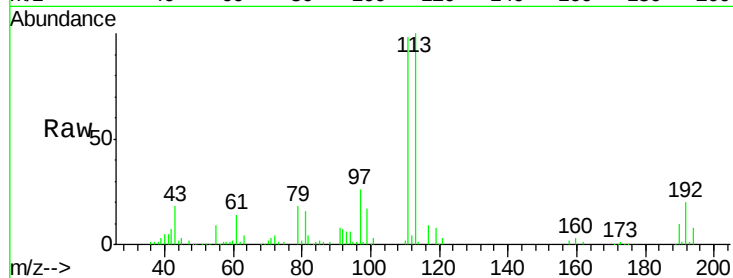




#35
Dibromofluoromethane
Concen: 56.958 ug/l
RT: 4.10 min Scan# 352
Delta R.T. -0.02 min
Lab File: VF061907.D
Acq: 12 Mar 2019 16:11

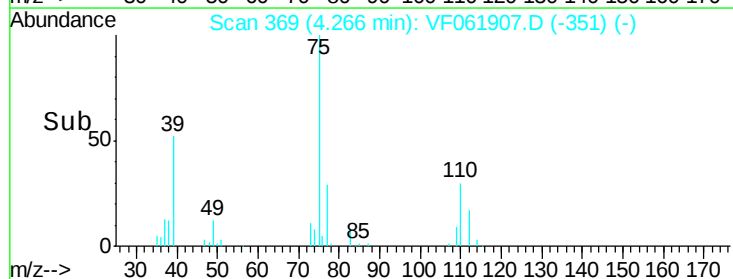
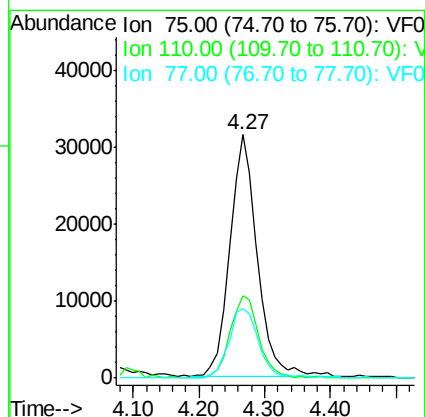
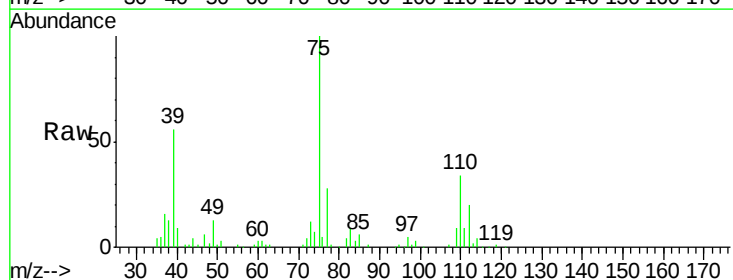
Instrument :
MSVOA_F
ClientSampleId :
VF0312SBSD01

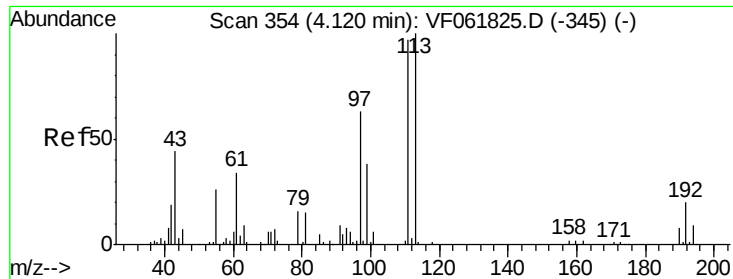
Tot Ion:113 Resp: 171455
Ion Ratio Lower Upper
113 100
111 98.1 77.6 116.4
192 20.5 15.9 23.9



#36
1,1-Dichloropropene
Concen: 22.586 ug/l
RT: 4.27 min Scan# 369
Delta R.T. -0.02 min
Lab File: VF061907.D
Acq: 12 Mar 2019 16:11

Tgt Ion: 75 Resp: 92027
Ion Ratio Lower Upper
75 100
110 33.9 18.6 55.6
77 28.4 24.2 36.2

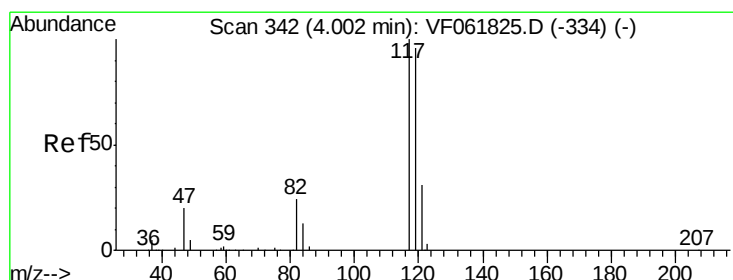
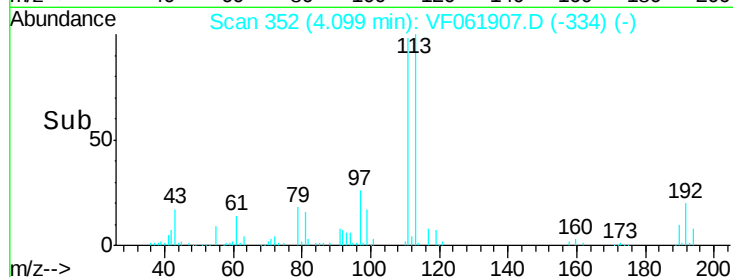
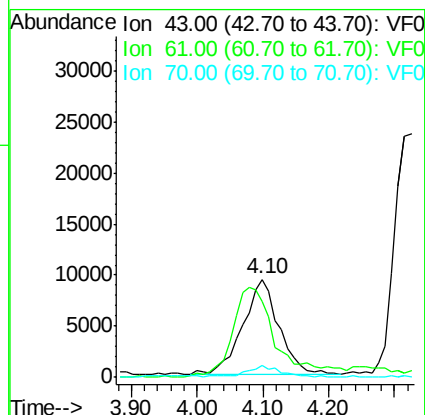
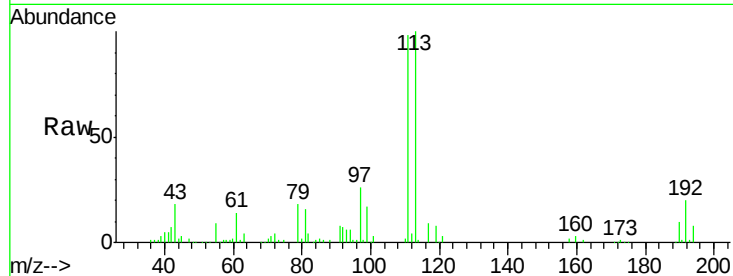




#37
Ethyl Acetate
Concen: 21.525 ug/l
RT: 4.10 min Scan# 352
Delta R.T. -0.02 min
Lab File: VF061907.D
Acq: 12 Mar 2019 16:11

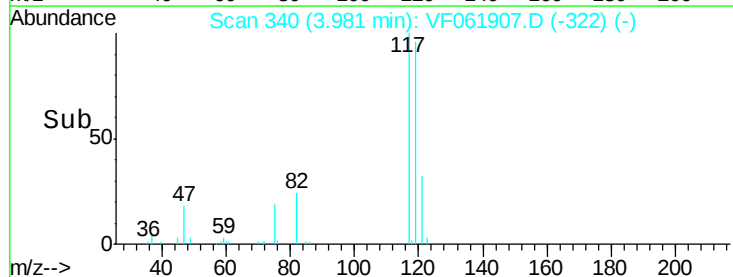
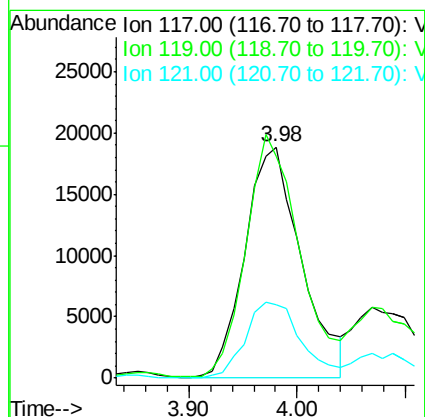
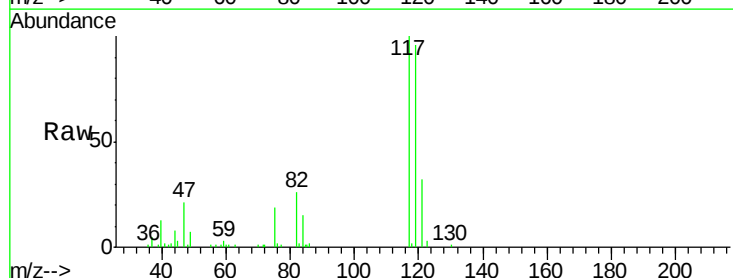
Instrument :
MSVOA_F
ClientSampleId :
VF0312SBSD01

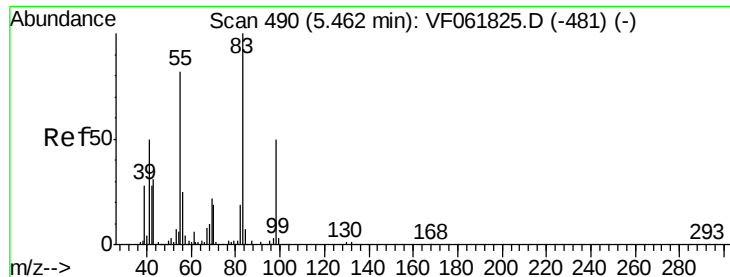
Tot Ion: 43 Resp: 36811
Ion Ratio Lower Upper
43 100
61 77.1 60.7 91.1
70 11.6 10.6 15.8



#38
Carbon Tetrachloride
Concen: 23.868 ug/l
RT: 3.98 min Scan# 340
Delta R.T. -0.02 min
Lab File: VF061907.D
Acq: 12 Mar 2019 16:11

Tgt Ion: 117 Resp: 68842
Ion Ratio Lower Upper
117 100
119 95.8 76.6 114.8
121 32.0 24.4 36.6

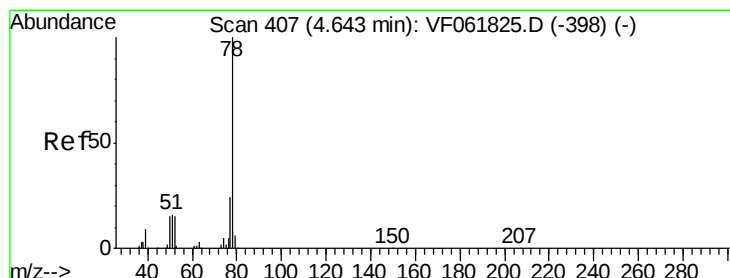
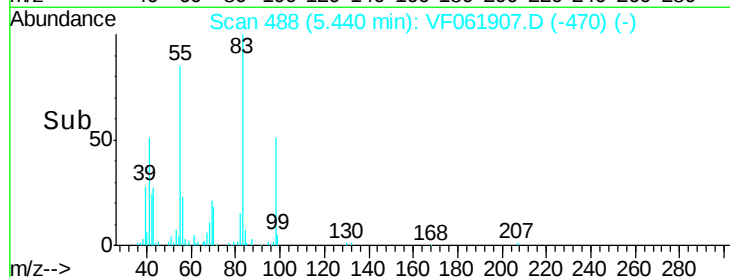
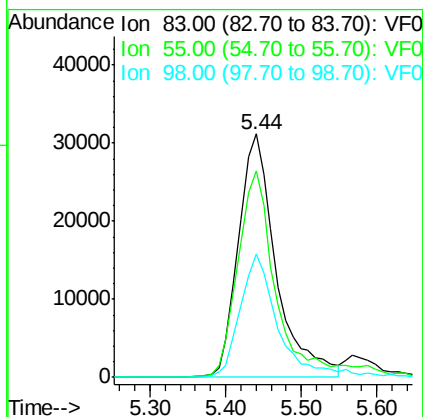
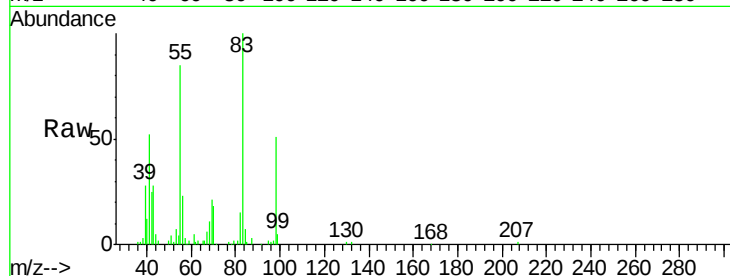




#39
Methvlcvclohexane
Concen: 22.444 ug/l
RT: 5.44 min Scan# 488
Delta R.T. -0.02 min
Lab File: VF061907.D
Acq: 12 Mar 2019 16:11

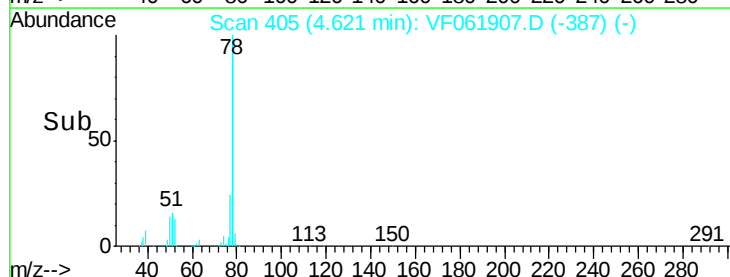
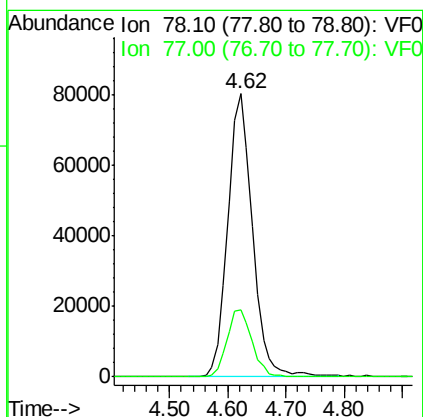
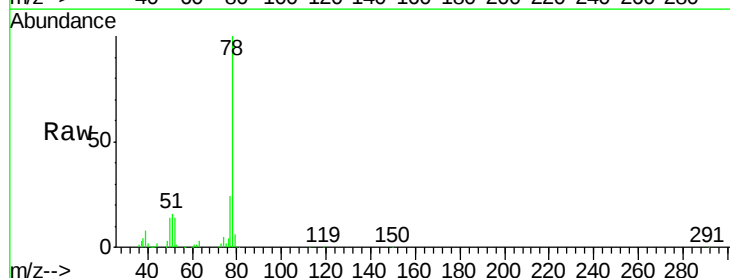
Instrument :
MSVOA_F
ClientSampleId :
VF0312SBSD01

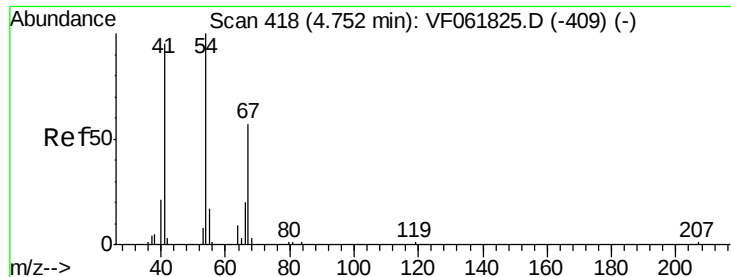
Tot Ion: 83 Resp: 108015
Ion Ratio Lower Upper
83 100
55 84.9 66.0 99.0
98 50.5 39.8 59.6



#40
Benzene
Concen: 22.323 ug/l
RT: 4.62 min Scan# 405
Delta R.T. -0.02 min
Lab File: VF061907.D
Acq: 12 Mar 2019 16:11

Tgt Ion: 78 Resp: 237750
Ion Ratio Lower Upper
78 100
77 23.7 19.5 29.3

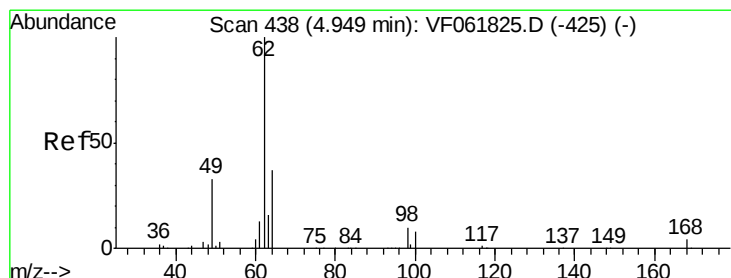
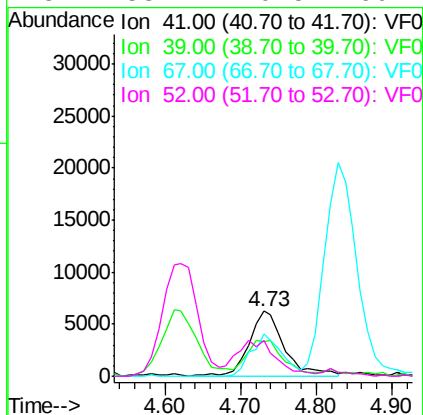
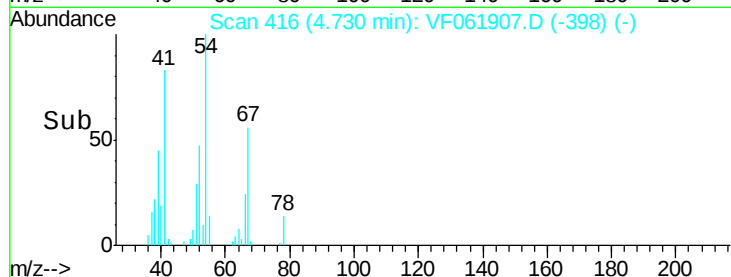
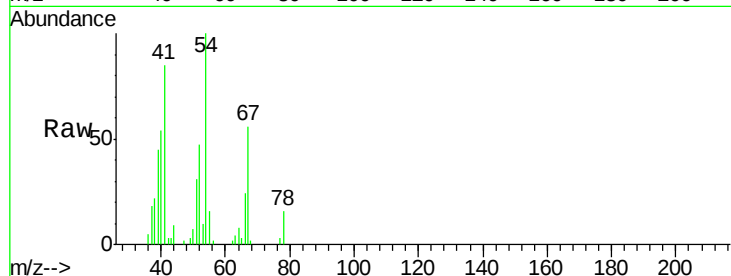




#41
Methacrylonitrile
Concen: 21.791 ug/l
RT: 4.73 min Scan# 416
Delta R.T. -0.02 min
Lab File: VF061907.D
Acq: 12 Mar 2019 16:11

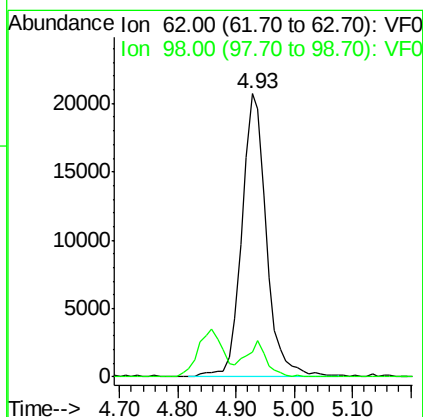
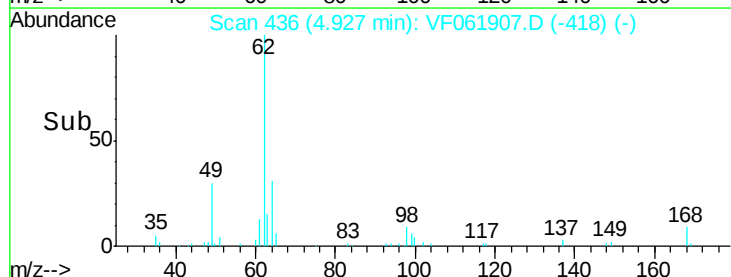
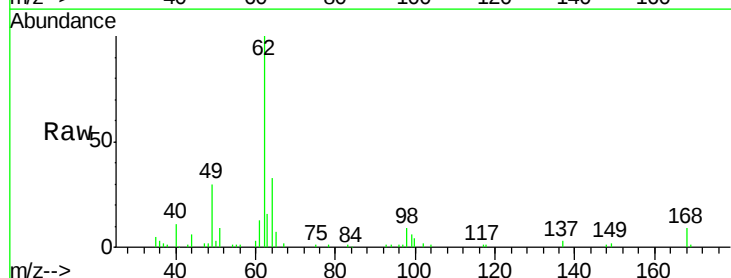
Instrument :
MSVOA_F
ClientSampleId :
VF0312SBSD01

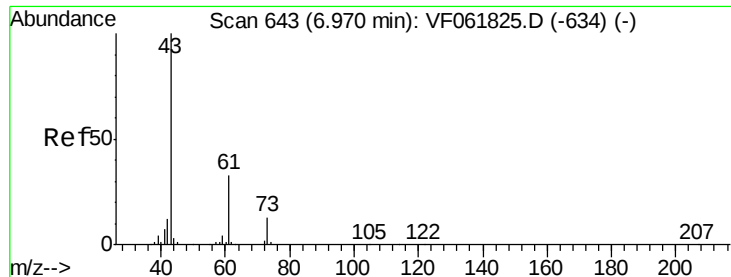
Tot Ion:	41	Resp:	20418
Ion	Ratio	Lower	Upper
41	100		
39	52.5	43.0	64.6
67	65.7	47.8	71.8
52	55.4	40.5	60.7



#42
1,2-Dichloroethane
Concen: 23.014 ug/l
RT: 4.93 min Scan# 436
Delta R.T. -0.02 min
Lab File: VF061907.D
Acq: 12 Mar 2019 16:11

Tgt Ion:	62	Resp:	61083
Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	21.0





#43

Isopropyl Acetate

Concen: 20.024 ug/l

RT: 6.95 min Scan# 641

Delta R.T. -0.02 min

Lab File: VF061907.D

Acq: 12 Mar 2019 16:11

Instrument :

MSVOA_F

ClientSampleId :

VF0312SBSD01

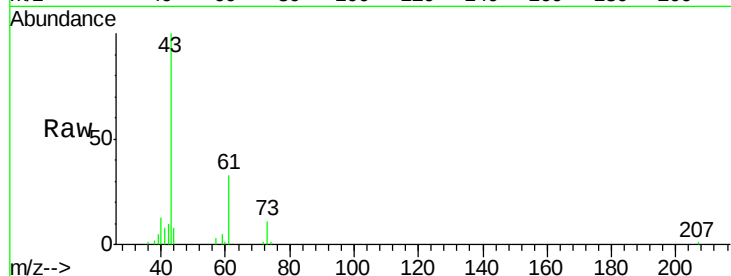
Tot Ion: 43 Resp: 42212

Ion Ratio Lower Upper

43 100

61 33.5 26.1 39.1

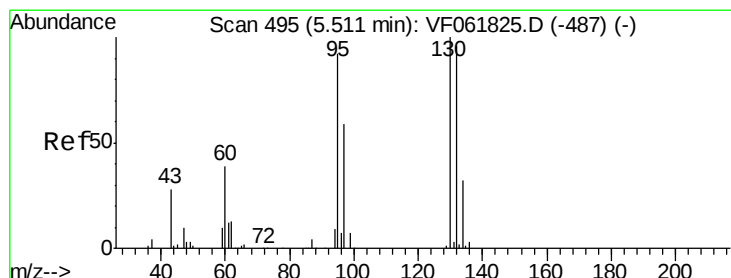
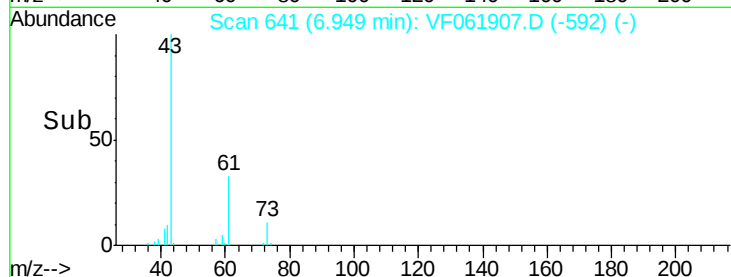
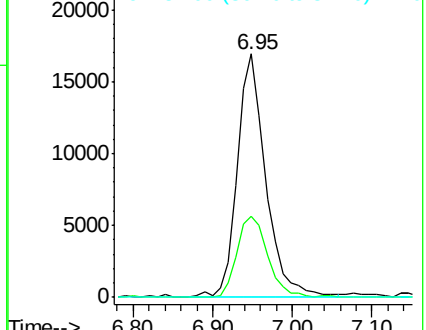
87 0.0 0.0 0.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#44

Trichloroethene

Concen: 22.643 ug/l

RT: 5.49 min Scan# 493

Delta R.T. -0.02 min

Lab File: VF061907.D

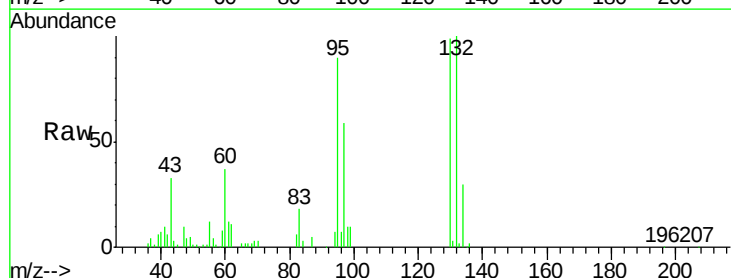
Acq: 12 Mar 2019 16:11

Tgt Ion: 130 Resp: 74944

Ion Ratio Lower Upper

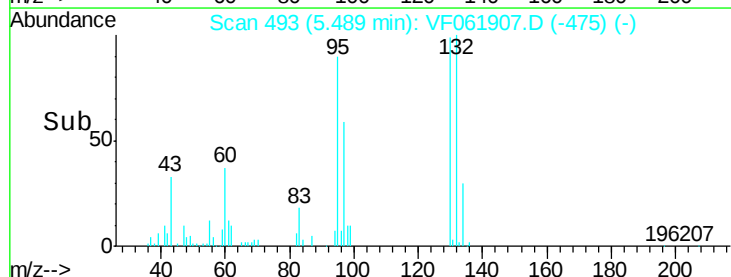
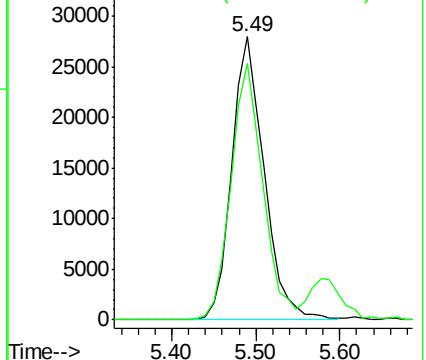
130 100

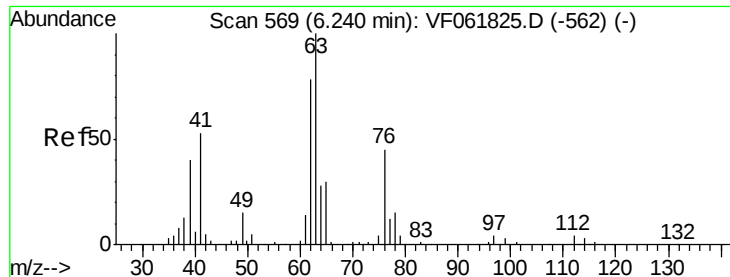
95 90.8 0.0 184.0



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 22.245 ug/l

RT: 6.22 min Scan# 567

Delta R.T. -0.02 min

Lab File: VF061907.D

Acq: 12 Mar 2019 16:11

Instrument :

MSVOA_F

ClientSampleId :

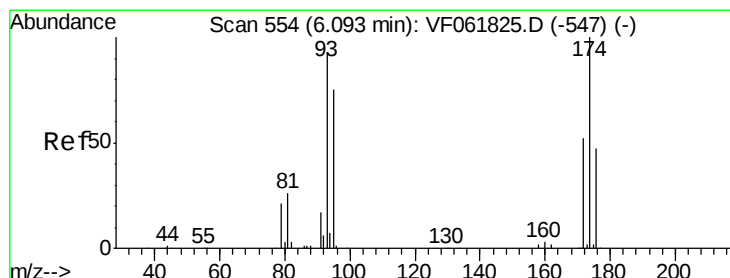
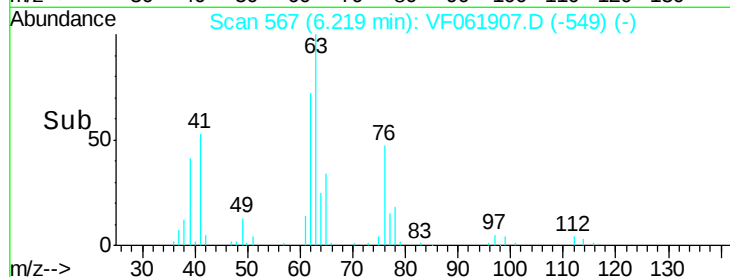
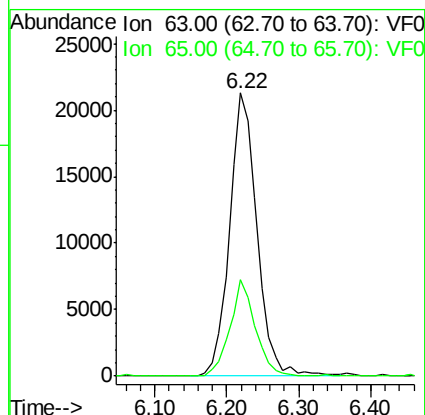
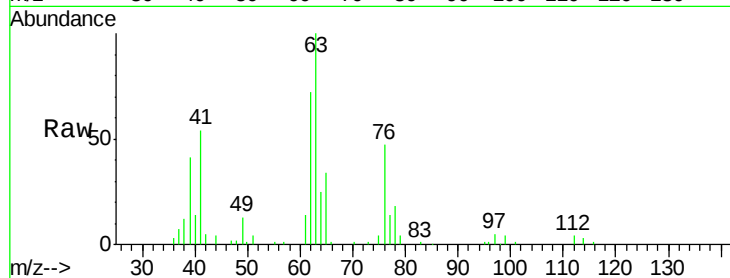
VF0312SBSD01

Tot Ion: 63 Resp: 56337

Ion Ratio Lower Upper

63 100

65 34.0 24.0 36.0



#46

Dibromomethane

Concen: 22.130 ug/l

RT: 6.07 min Scan# 552

Delta R.T. -0.02 min

Lab File: VF061907.D

Acq: 12 Mar 2019 16:11

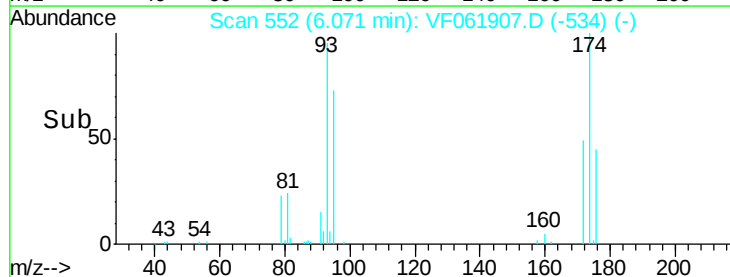
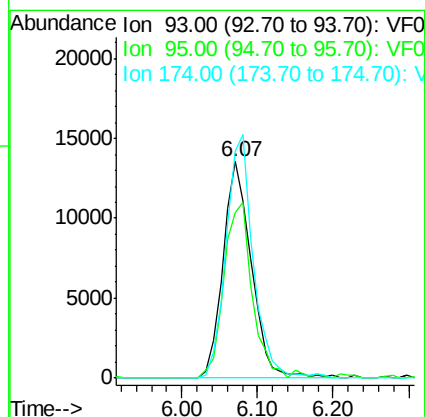
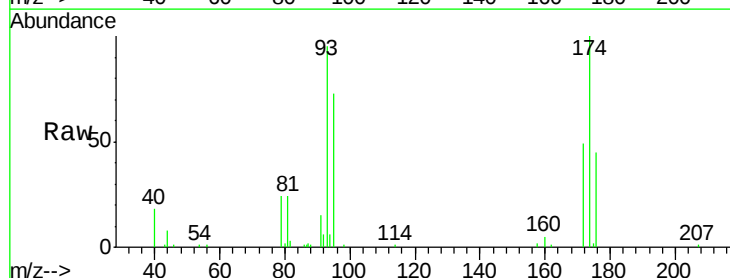
Tgt Ion: 93 Resp: 35273

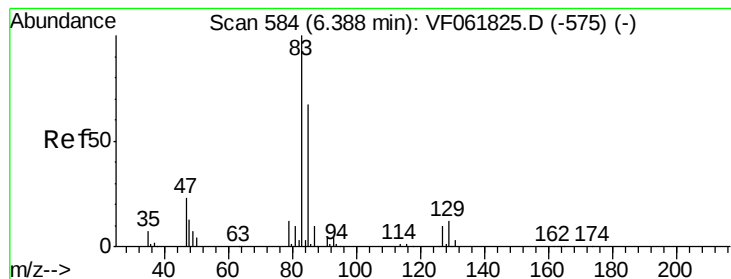
Ion Ratio Lower Upper

93 100

95 76.8 64.4 96.6

174 104.9 85.8 128.6





#47

Bromodichloromethane

Concen: 23.310 ug/l

RT: 6.38 min Scan# 583

Delta R.T. -0.01 min

Lab File: VF061907.D

Acq: 12 Mar 2019 16:11

Instrument :

MSVOA_F

ClientSampleId :

VF0312SBSD01

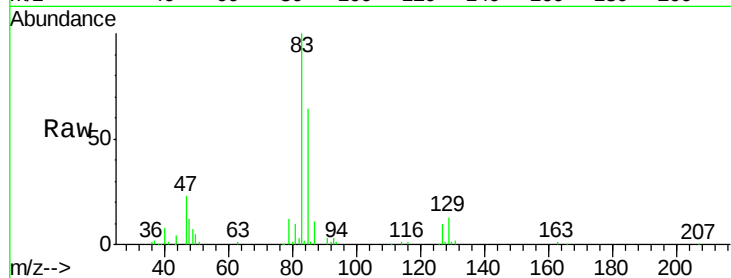
Tot Ion: 83 Resp: 82081

Ion Ratio Lower Upper

83 100

85 64.0 53.6 80.4

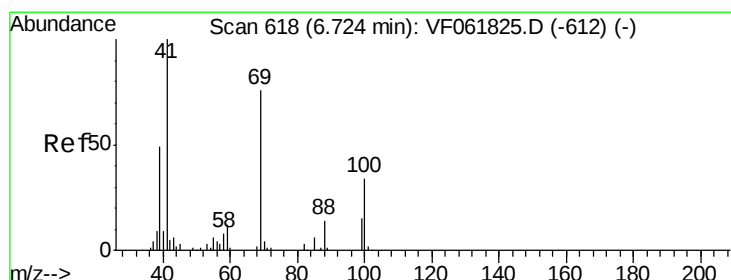
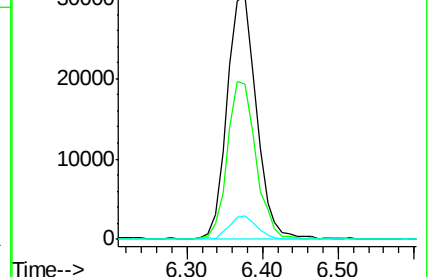
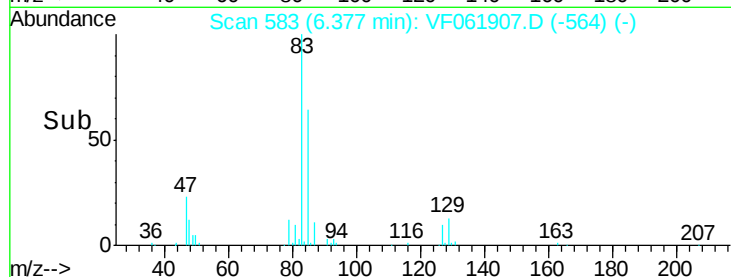
127 9.6 8.1 12.1



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 19.894 ug/l

RT: 6.70 min Scan# 616

Delta R.T. -0.02 min

Lab File: VF061907.D

Acq: 12 Mar 2019 16:11

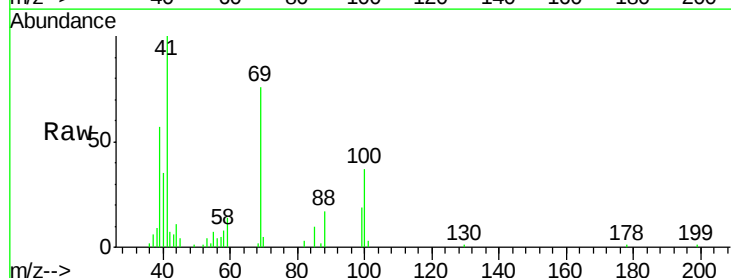
Tgt Ion: 41 Resp: 26542

Ion Ratio Lower Upper

41 100

69 76.1 60.4 90.6

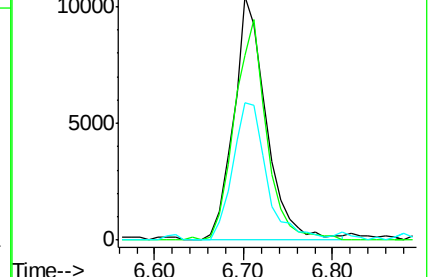
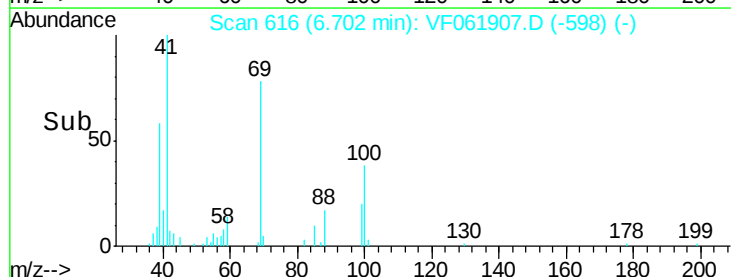
39 56.6 39.7 59.5

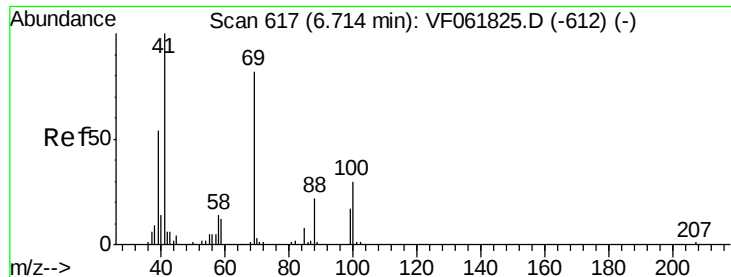


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 445.302 ug/l

RT: 6.69 min Scan# 615

Delta R.T. -0.02 min

Lab File: VF061907.D

Acq: 12 Mar 2019 16:11

Instrument :

MSVOA_F

ClientSampleId :

VF0312SBSD01

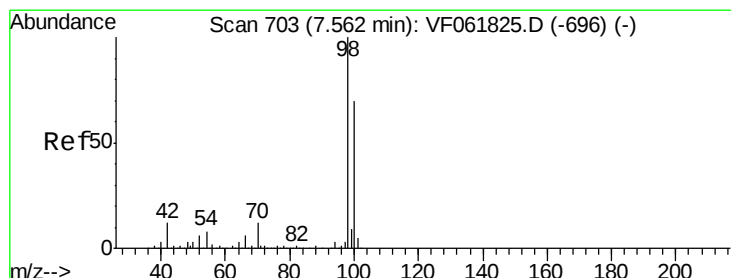
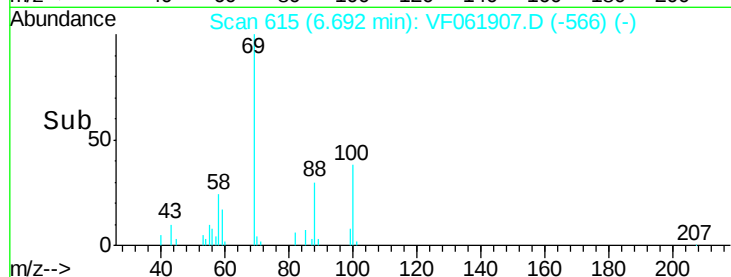
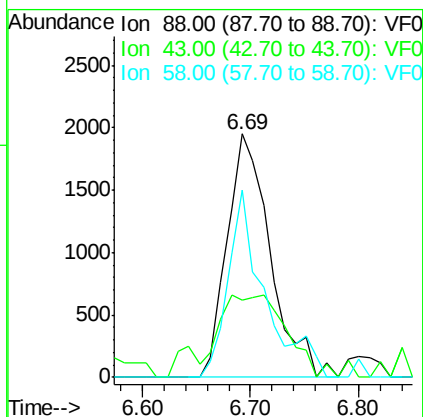
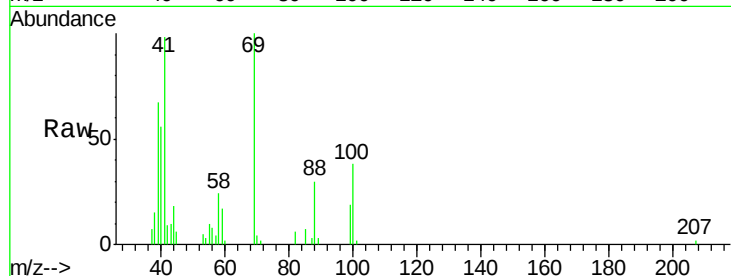
Tot Ion: 88 Resp: 5431

Ion Ratio Lower Upper

88 100

43 31.5 28.4 42.6

58 77.1 50.7 76.1#



#50

Toluene-d8

Concen: 52.981 ug/l

RT: 7.54 min Scan# 701

Delta R.T. -0.02 min

Lab File: VF061907.D

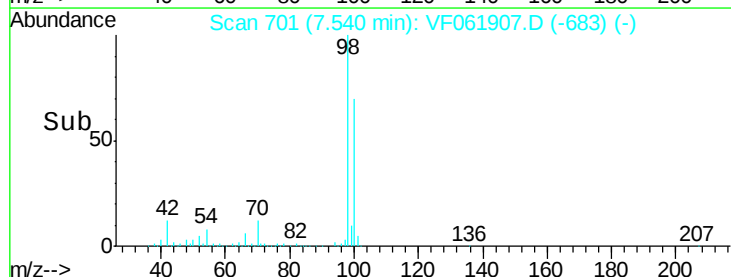
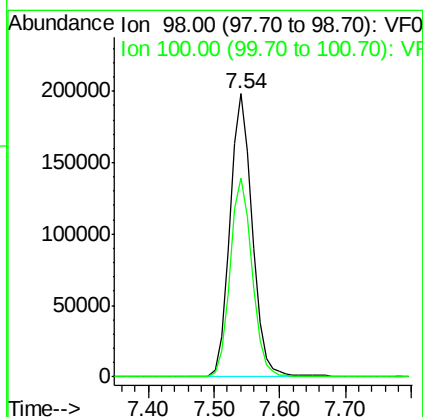
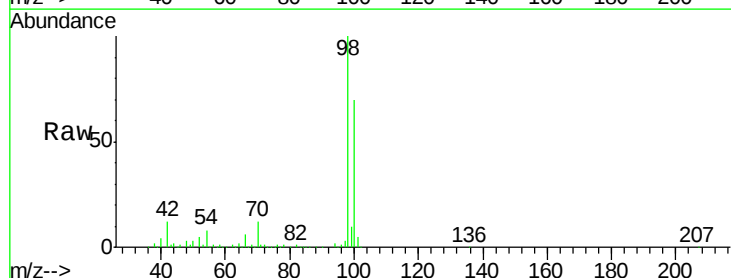
Acq: 12 Mar 2019 16:11

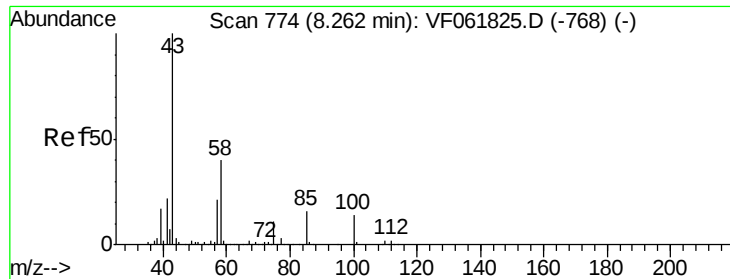
Tgt Ion: 98 Resp: 474028

Ion Ratio Lower Upper

98 100

100 70.1 56.0 84.0





#51

4-Methyl-2-Pentanone

Concen: 114.415 ug/l

RT: 8.25 min Scan# 773

Delta R.T. -0.01 min

Lab File: VF061907.D

Acq: 12 Mar 2019 16:11

Instrument :

MSVOA_F

ClientSampleId :

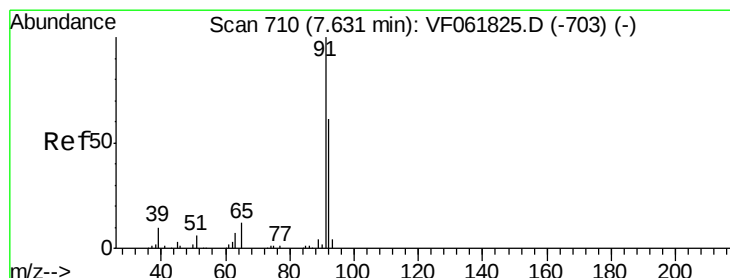
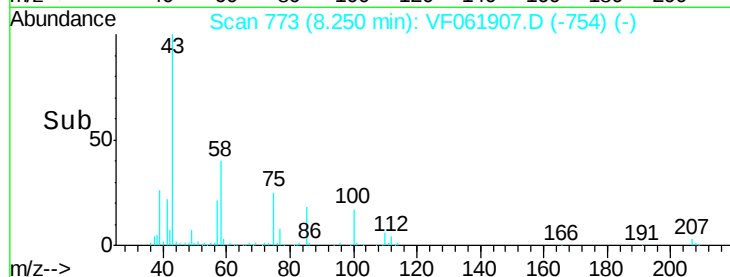
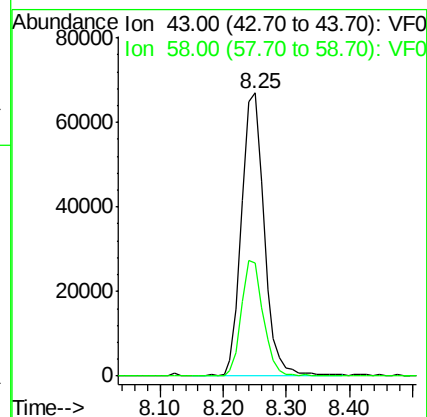
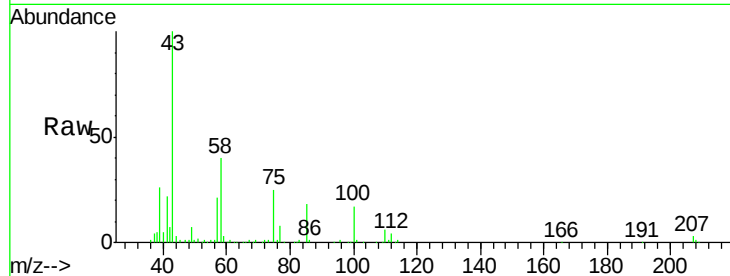
VF0312SBSD01

Tot Ion: 43 Resp: 166701

Ion Ratio Lower Upper

43 100

58 39.9 31.8 47.8



#52

Toluene

Concen: 22.449 ug/l

RT: 7.61 min Scan# 708

Delta R.T. -0.02 min

Lab File: VF061907.D

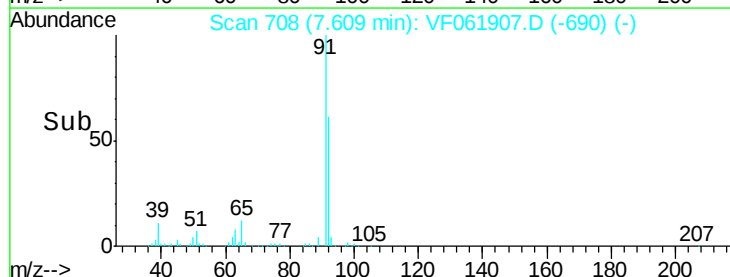
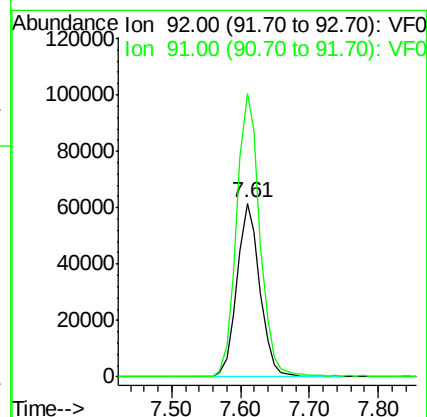
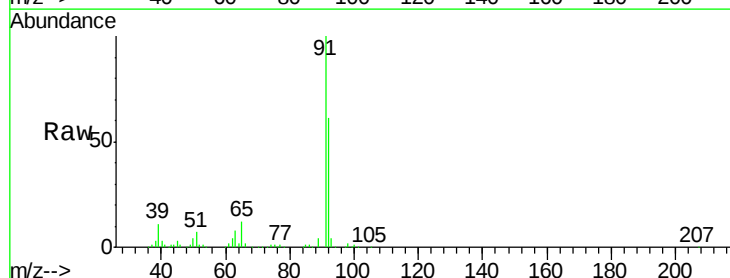
Acq: 12 Mar 2019 16:11

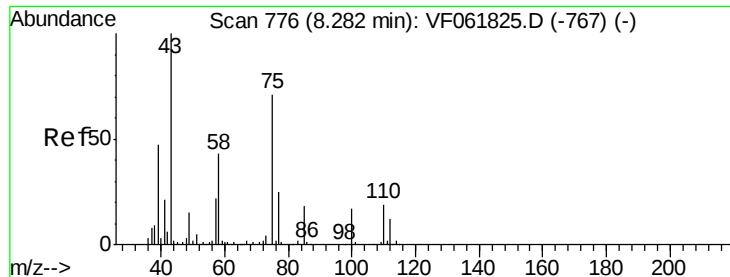
Tgt Ion: 92 Resp: 141440

Ion Ratio Lower Upper

92 100

91 163.1 132.0 198.0





#53

t-1,3-Dichloropropene

Concen: 21.733 ug/l

RT: 8.26 min Scan# 774

Delta R.T. -0.02 min

Lab File: VF061907.D

Acq: 12 Mar 2019 16:11

Instrument :

MSVOA_F

ClientSampleId :

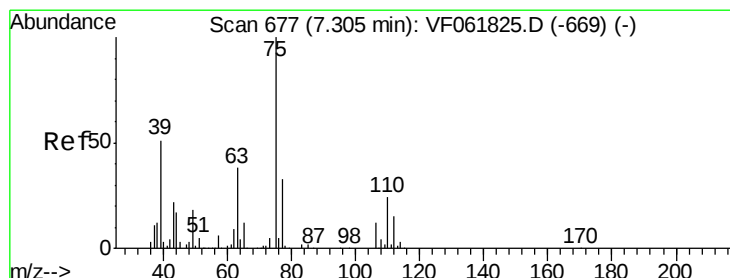
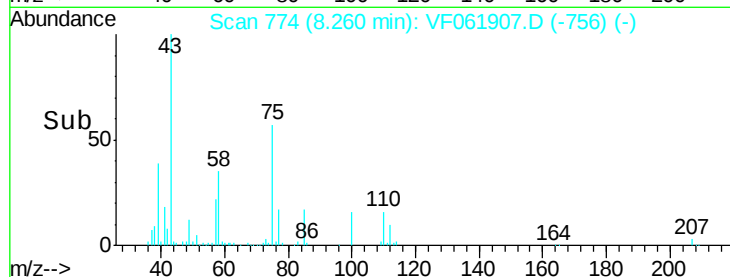
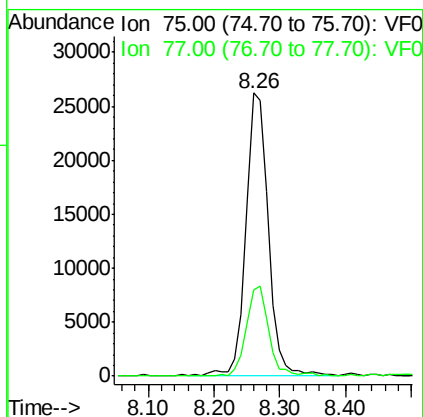
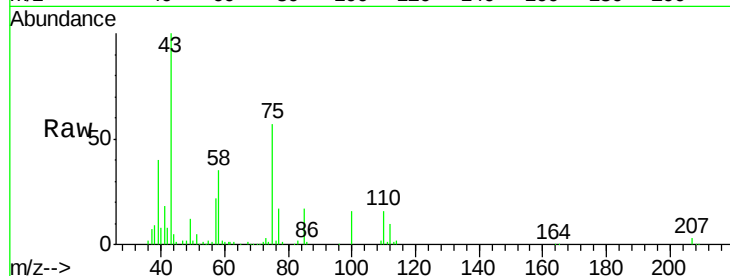
VF0312SBSD01

Tot Ion: 75 Resp: 63170

Ion Ratio Lower Upper

75 100

77 30.5 28.0 42.0



#54

cis-1,3-Dichloropropene

Concen: 21.333 ug/l

RT: 7.28 min Scan# 675

Delta R.T. -0.02 min

Lab File: VF061907.D

Acq: 12 Mar 2019 16:11

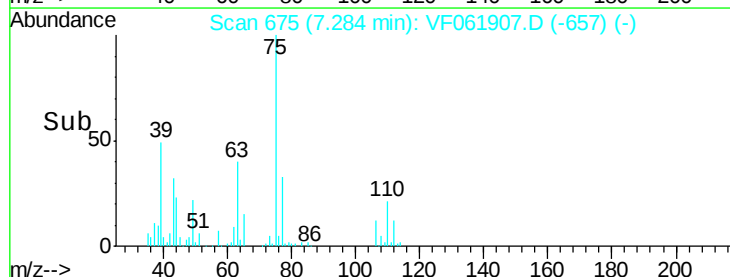
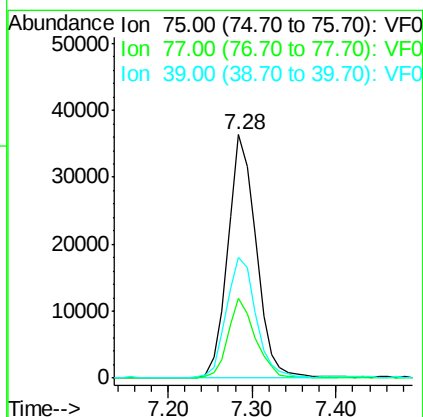
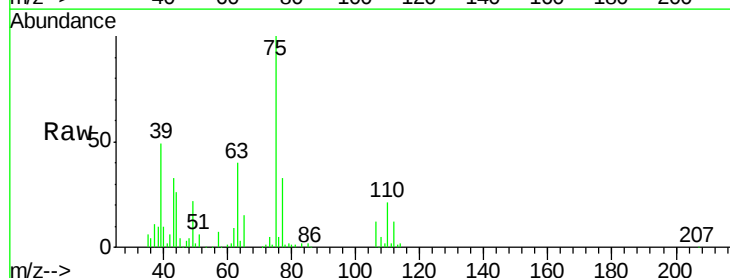
Tgt Ion: 75 Resp: 85529

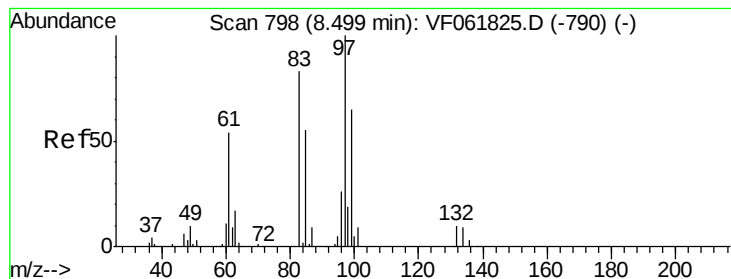
Ion Ratio Lower Upper

75 100

77 32.9 26.3 39.5

39 49.5 40.8 61.2





#55

1,1,2-Trichloroethane

Concen: 21.611 ug/l

RT: 8.48 min Scan# 796

Delta R.T. -0.02 min

Lab File: VF061907.D

Acq: 12 Mar 2019 16:11

Instrument :

MSVOA_F

ClientSampleId :

VF0312SBSD01

Tot Ion: 97 Resp: 39230

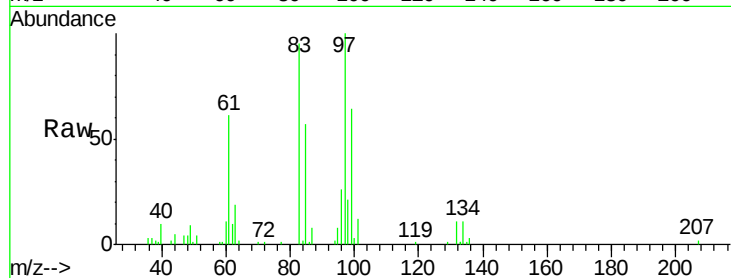
Ion Ratio Lower Upper

97 100

83 94.6 66.5 99.7

85 56.6 44.2 66.2

99 63.5 51.8 77.6

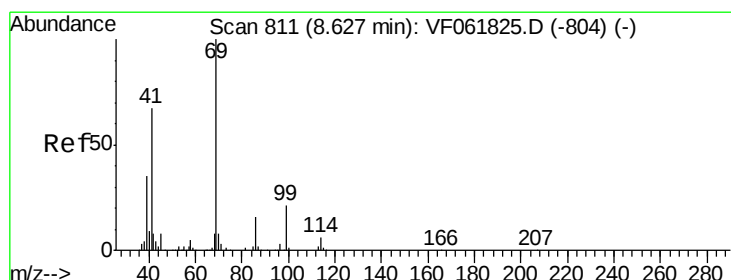
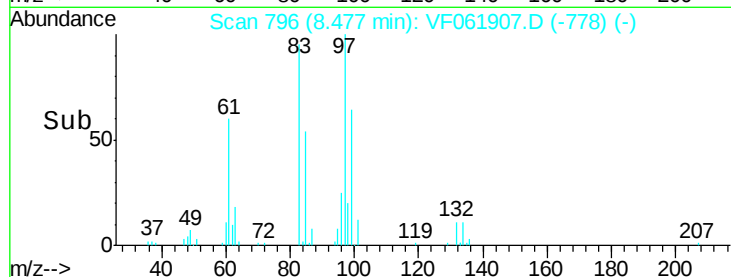
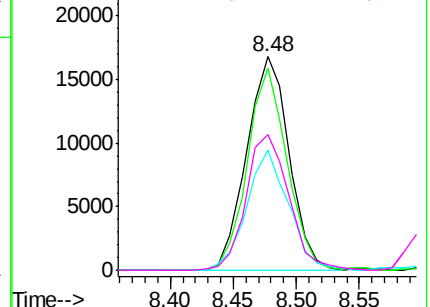


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 20.566 ug/l

RT: 8.61 min Scan# 809

Delta R.T. -0.02 min

Lab File: VF061907.D

Acq: 12 Mar 2019 16:11

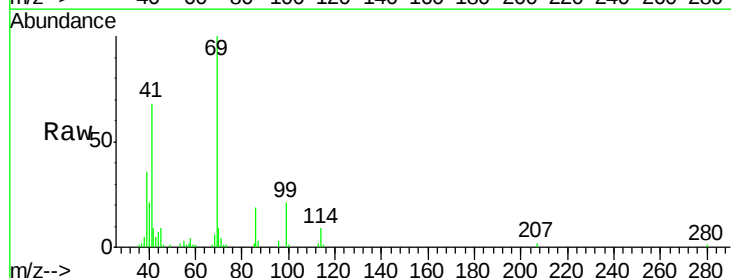
Tgt Ion: 69 Resp: 42075

Ion Ratio Lower Upper

69 100

41 67.7 53.9 80.9

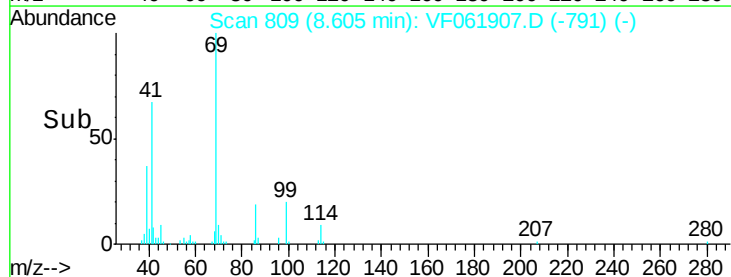
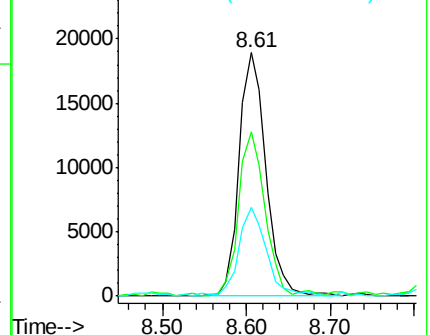
39 36.5 28.3 42.5

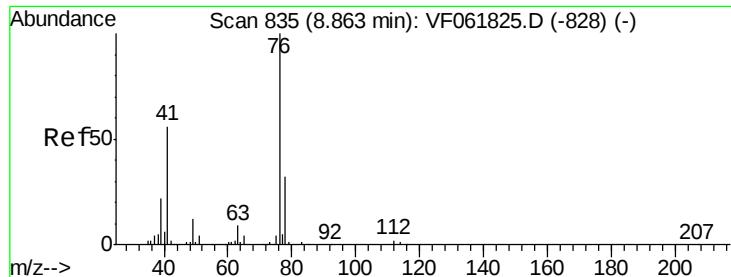


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 21.255 ug/l

RT: 8.83 min Scan# 832

Delta R.T. -0.03 min

Lab File: VF061907.D

Acq: 12 Mar 2019 16:11

Instrument :

MSVOA_F

ClientSampleId :

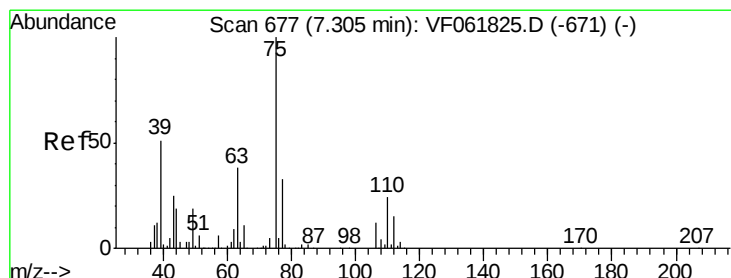
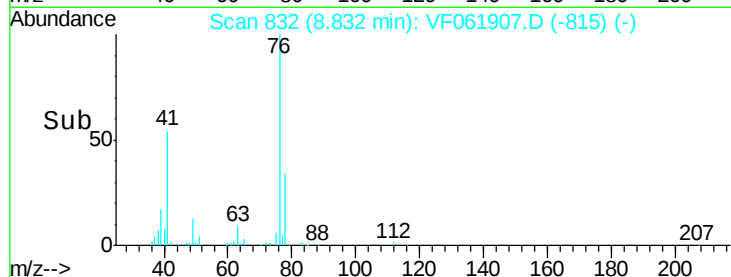
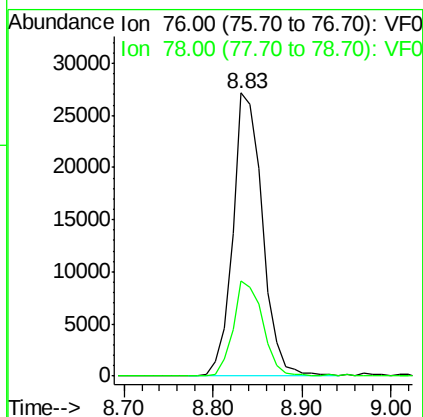
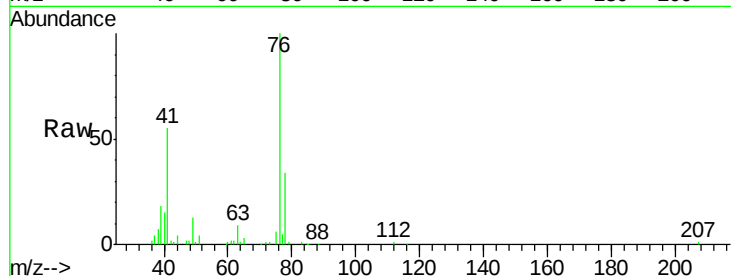
VF0312SBSD01

Tot Ion: 76 Resp: 63100

Ion Ratio Lower Upper

76 100

78 33.6 25.4 38.2



#58

2-Chloroethyl Vinyl ether

Concen: 110.496 ug/l

RT: 7.28 min Scan# 675

Delta R.T. -0.02 min

Lab File: VF061907.D

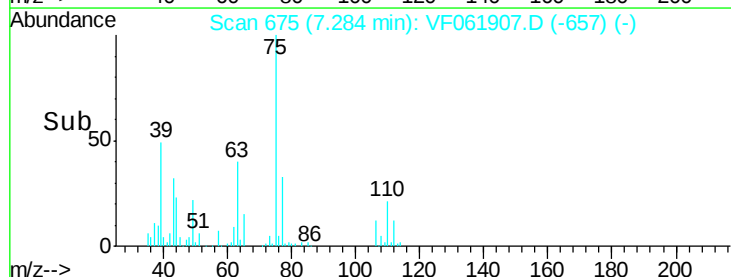
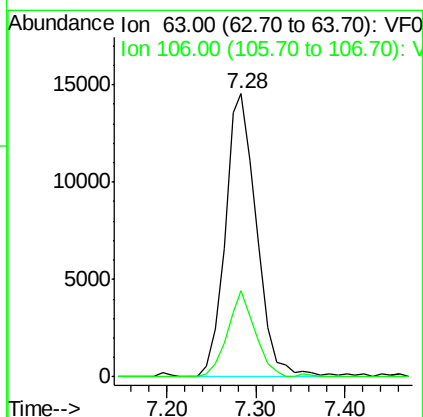
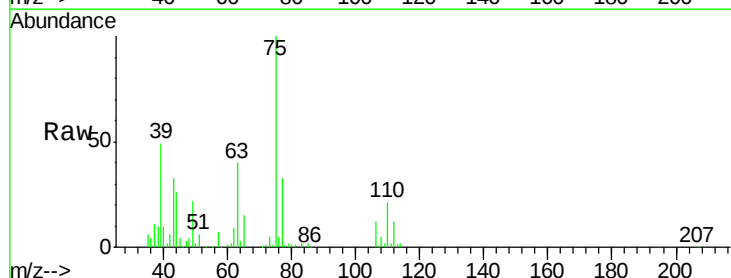
Acq: 12 Mar 2019 16:11

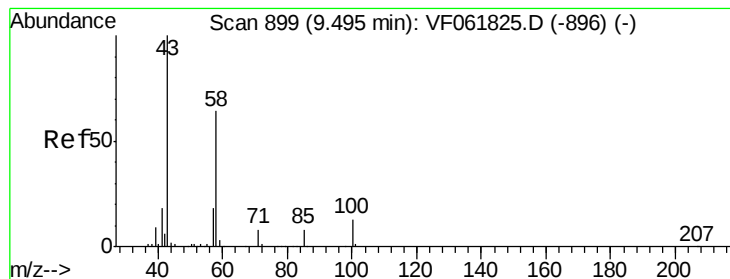
Tgt Ion: 63 Resp: 35760

Ion Ratio Lower Upper

63 100

106 30.4 24.3 36.5





#59

2-Hexanone

Concen: 115.772 ug/l

RT: 9.48 min Scan# 898

Delta R.T. -0.01 min

Lab File: VF061907.D

Acq: 12 Mar 2019 16:11

Instrument :

MSVOA_F

ClientSampleId :

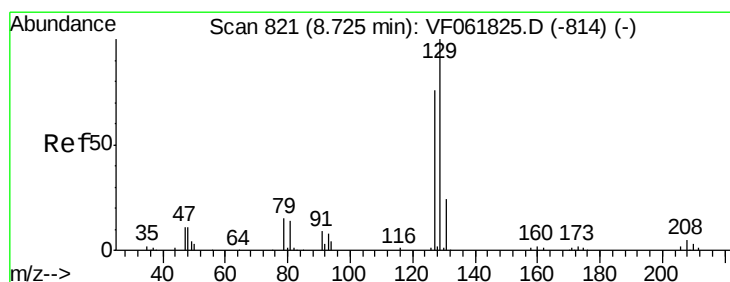
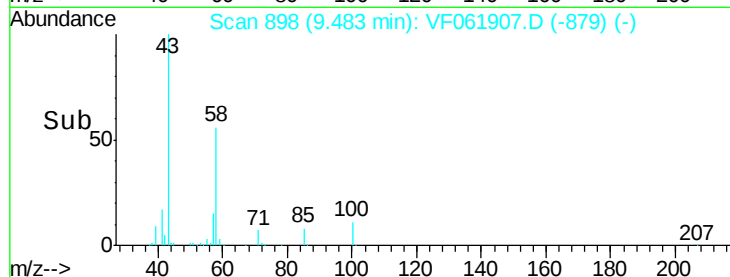
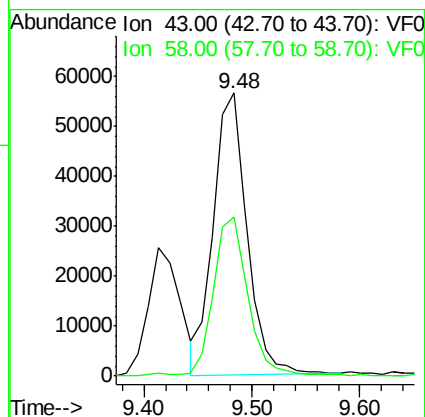
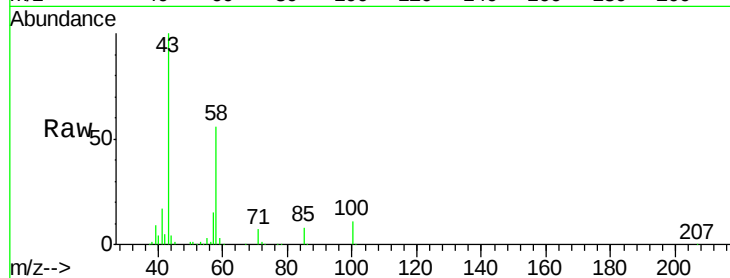
VF0312SBSD01

Tot Ion: 43 Resp: 121687

Ion Ratio Lower Upper

43 100

58 56.2 28.8 86.4



#60

Dibromochloromethane

Concen: 21.608 ug/l

RT: 8.70 min Scan# 819

Delta R.T. -0.02 min

Lab File: VF061907.D

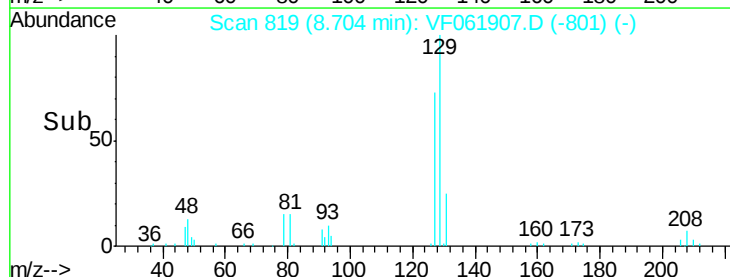
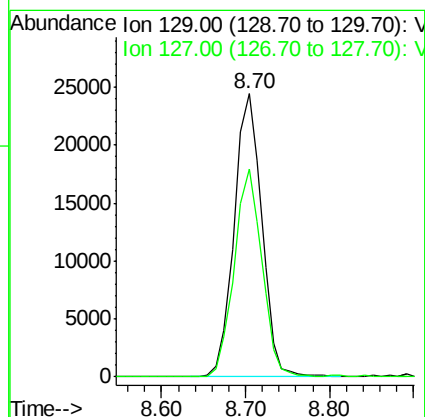
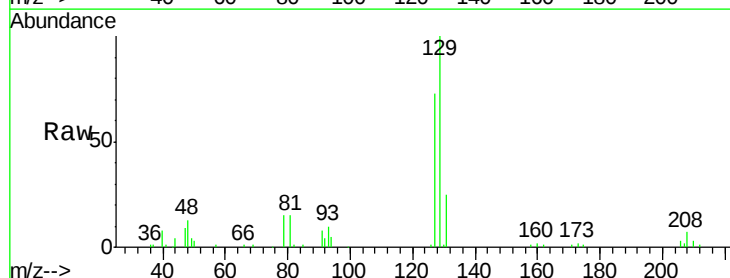
Acq: 12 Mar 2019 16:11

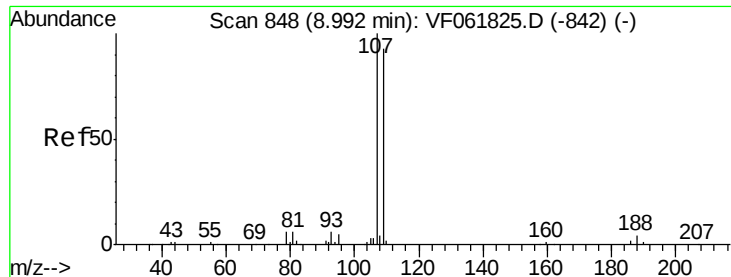
Tgt Ion:129 Resp: 55906

Ion Ratio Lower Upper

129 100

127 73.2 38.2 114.6





#61

1,2-Dibromoethane

Concen: 21.966 ug/l

RT: 8.97 min Scan# 846

Delta R.T. -0.02 min

Lab File: VF061907.D

Acq: 12 Mar 2019 16:11

Instrument :

MSVOA_F

ClientSampleId :

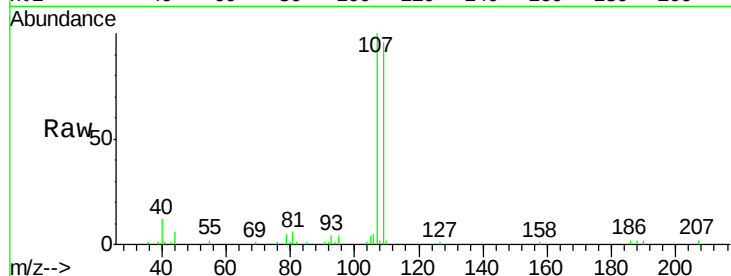
VF0312SBSD01

Tot Ion:107 Resp: 43849

Ion Ratio Lower Upper

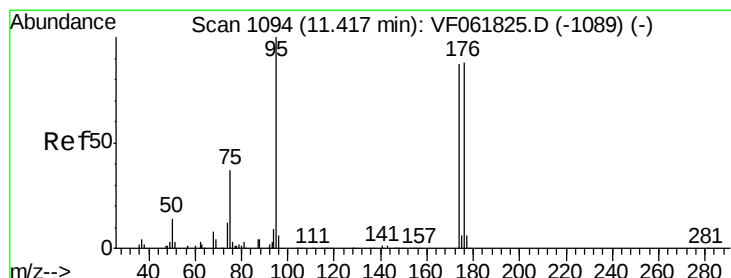
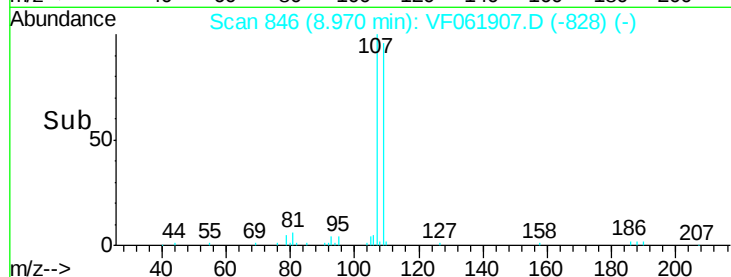
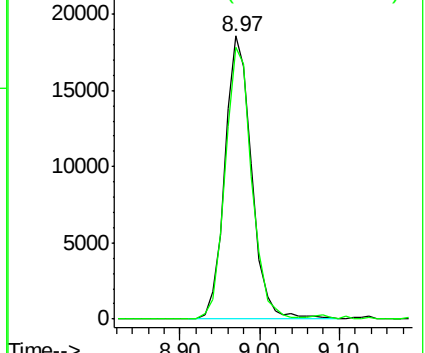
107 100

109 96.3 74.6 112.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 52.672 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.02 min

Lab File: VF061907.D

Acq: 12 Mar 2019 16:11

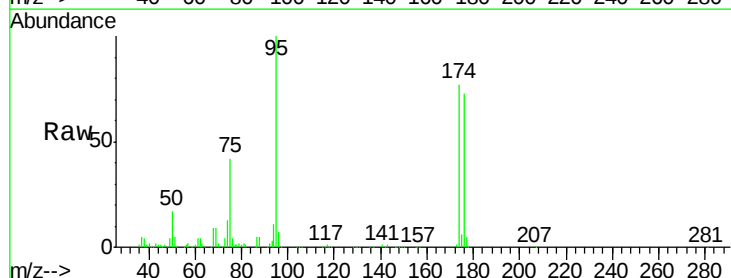
Tgt Ion: 95 Resp: 184606

Ion Ratio Lower Upper

95 100

174 76.9 0.0 174.0

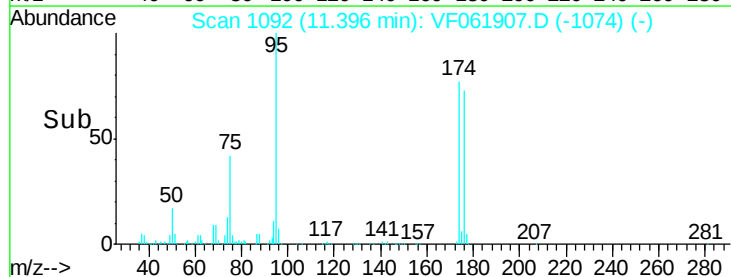
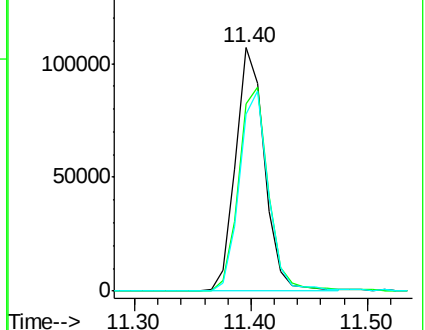
176 72.6 0.0 175.2

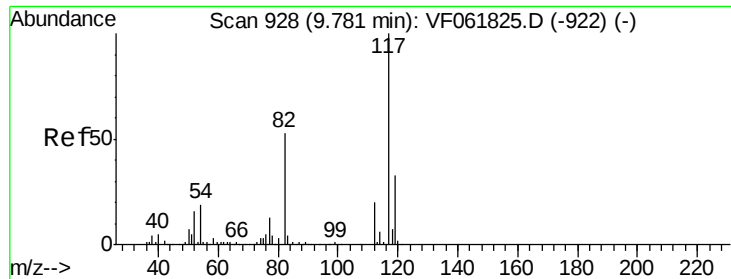


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

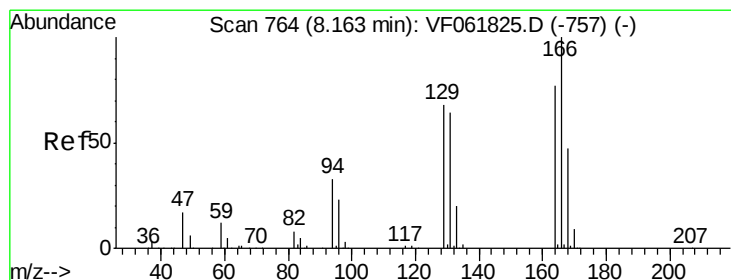
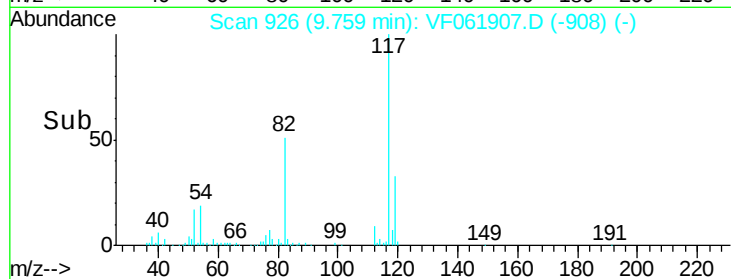
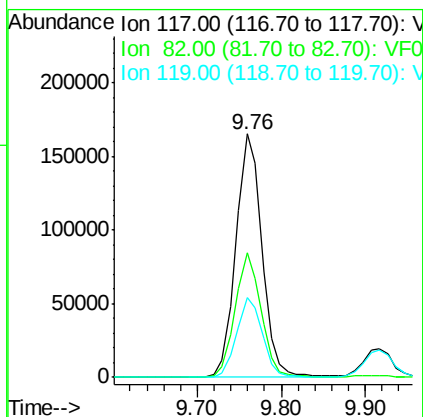
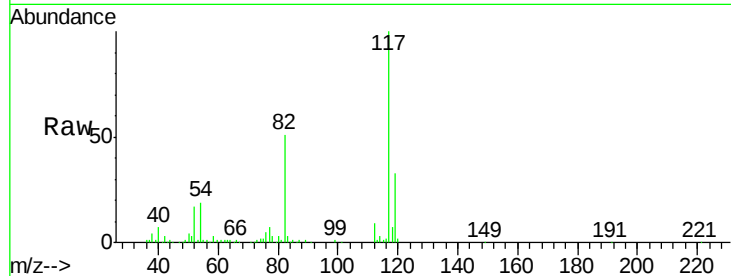




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.76 min Scan# 926
Delta R.T. -0.02 min
Lab File: VF061907.D
Acq: 12 Mar 2019 16:11

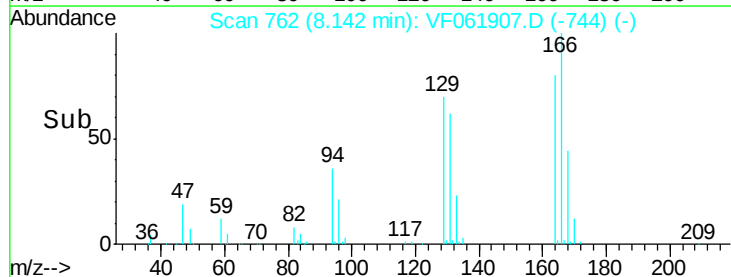
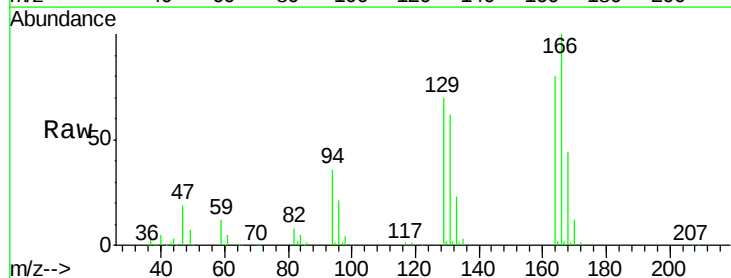
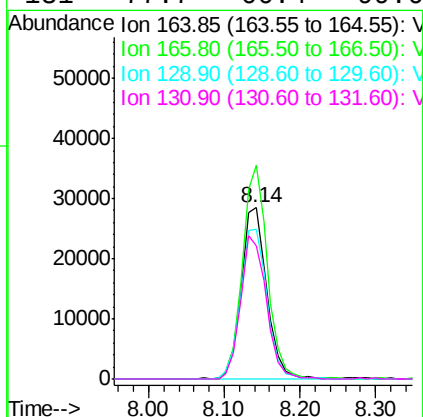
Instrument :
MSVOA_F
ClientSampleId :
VF0312SBSD01

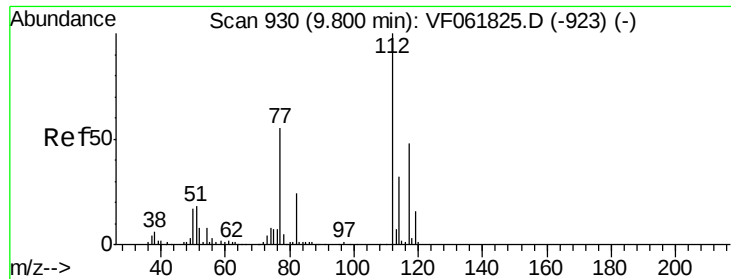
Tot Ion:117 Resp: 357989
Ion Ratio Lower Upper
117 100
82 51.0 42.6 63.8
119 32.9 26.0 39.0



#64
Tetrachloroethene
Concen: 24.158 ug/l
RT: 8.14 min Scan# 762
Delta R.T. -0.02 min
Lab File: VF061907.D
Acq: 12 Mar 2019 16:11

Tgt Ion:164 Resp: 66453
Ion Ratio Lower Upper
164 100
166 124.8 103.4 155.0
129 87.3 69.9 104.9
131 77.7 66.4 99.6

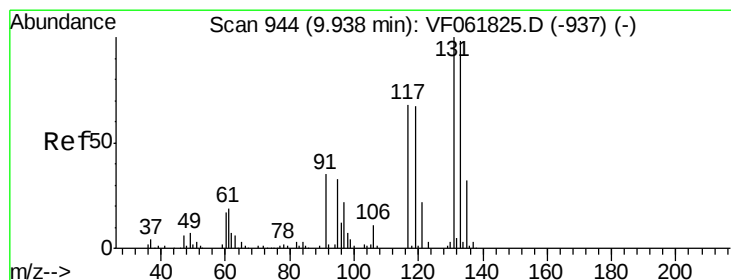
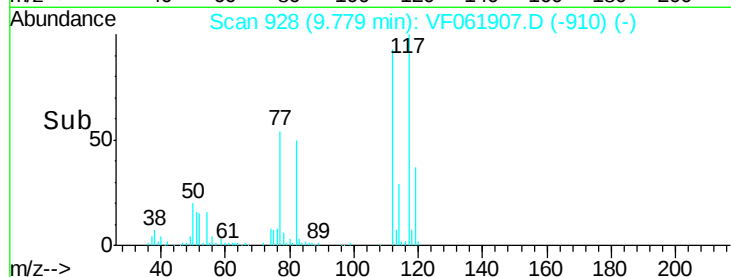
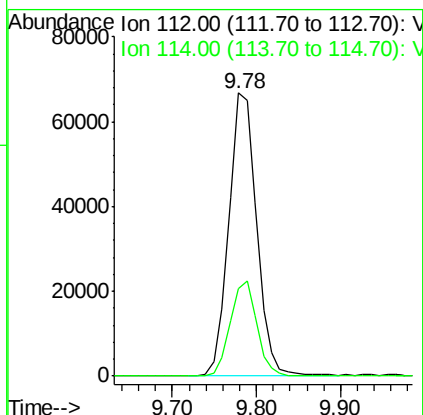
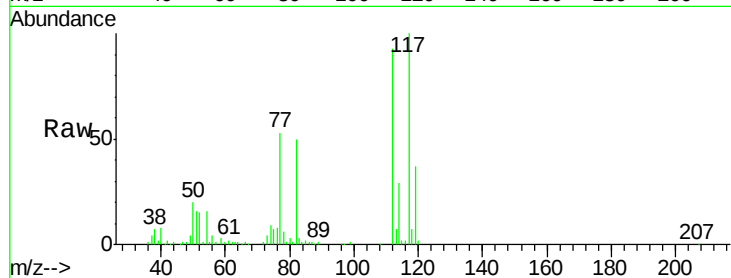




#65
Chlorobenzene
Concen: 22.409 ug/l
RT: 9.78 min Scan# 928
Delta R.T. -0.02 min
Lab File: VF061907.D
Acq: 12 Mar 2019 16:11

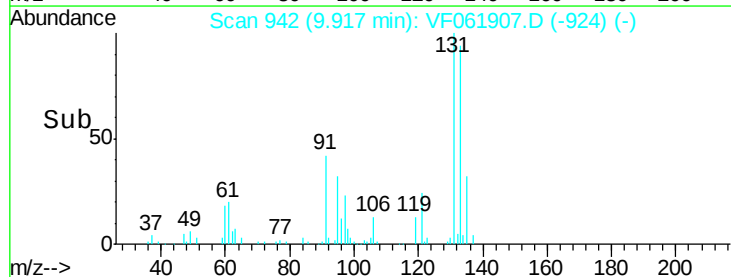
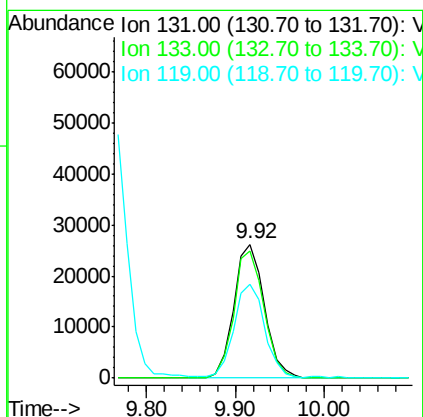
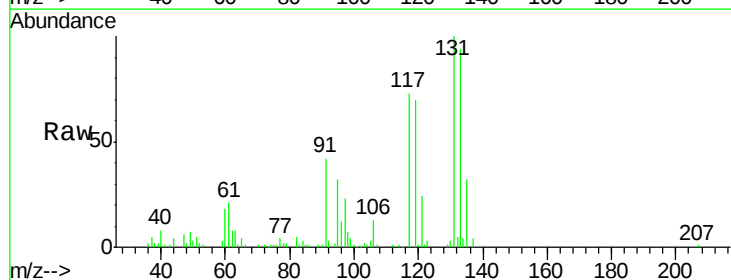
Instrument :
MSVOA_F
ClientSampleId :
VF0312SBSD01

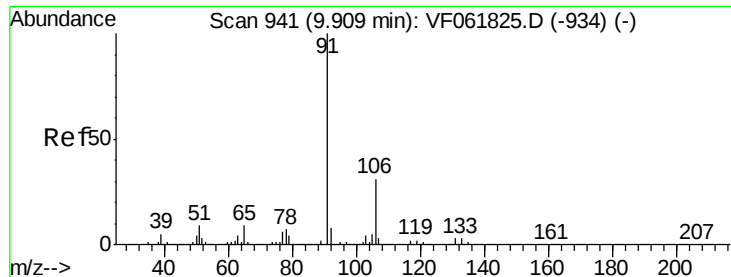
Tot Ion:112 Resp: 154123
Ion Ratio Lower Upper
112 100
114 31.0 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 23.538 ug/l
RT: 9.92 min Scan# 942
Delta R.T. -0.02 min
Lab File: VF061907.D
Acq: 12 Mar 2019 16:11

Tgt Ion:131 Resp: 62722
Ion Ratio Lower Upper
131 100
133 94.5 48.9 146.7
119 70.4 33.6 100.8





#67

Ethyl Benzene

Concen: 23.743 ug/l

RT: 9.89 min Scan# 939

Delta R.T. -0.02 min

Lab File: VF061907.D

Acq: 12 Mar 2019 16:11

Instrument :

MSVOA_F

ClientSampleId :

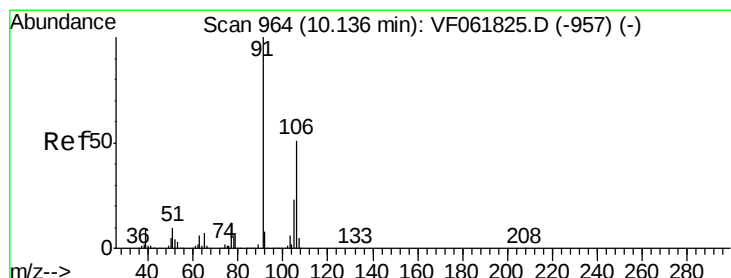
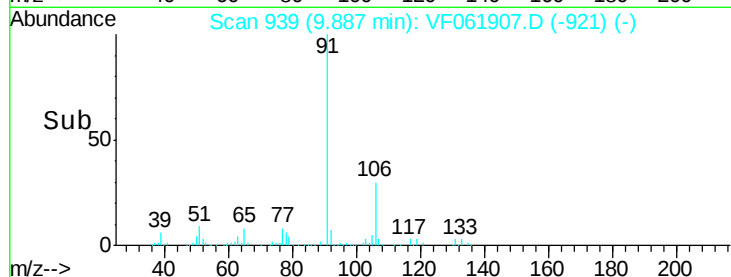
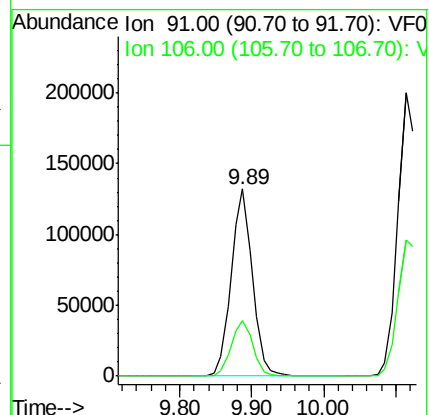
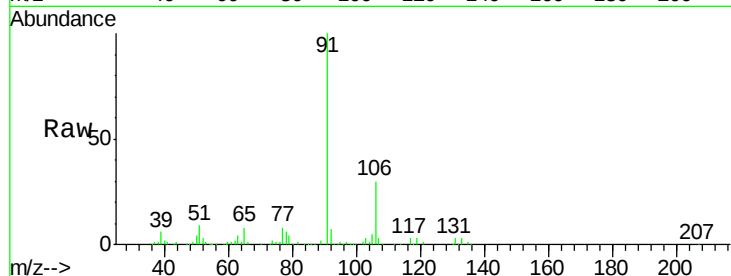
VF0312SBSD01

Tot Ion: 91 Resp: 270656

Ion Ratio Lower Upper

91 100

106 29.7 25.0 37.4



#68

m/p-Xylenes

Concen: 47.330 ug/l

RT: 10.11 min Scan# 962

Delta R.T. -0.02 min

Lab File: VF061907.D

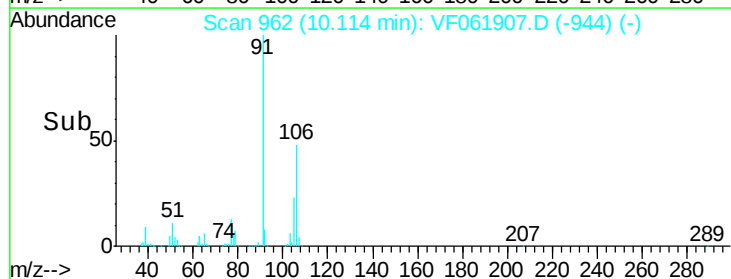
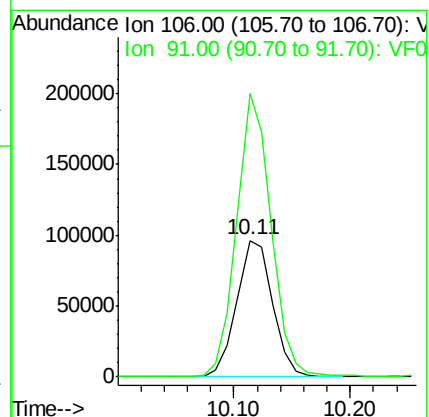
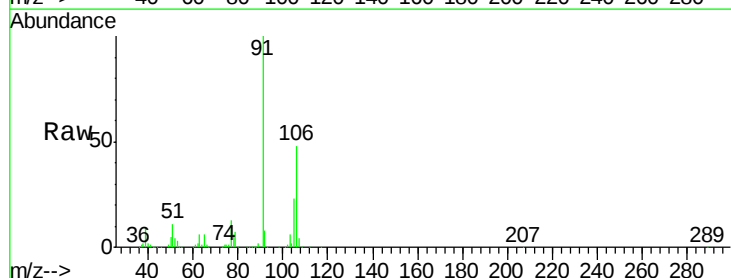
Acq: 12 Mar 2019 16:11

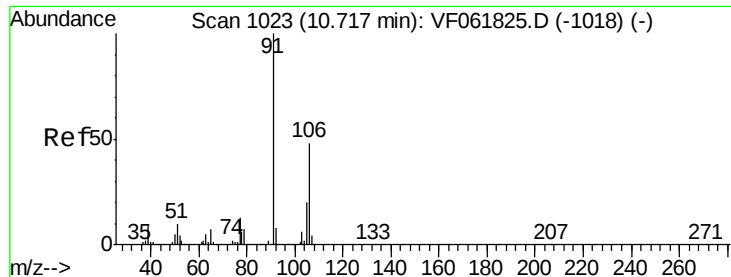
Tgt Ion: 106 Resp: 206690

Ion Ratio Lower Upper

106 100

91 207.7 157.5 236.3

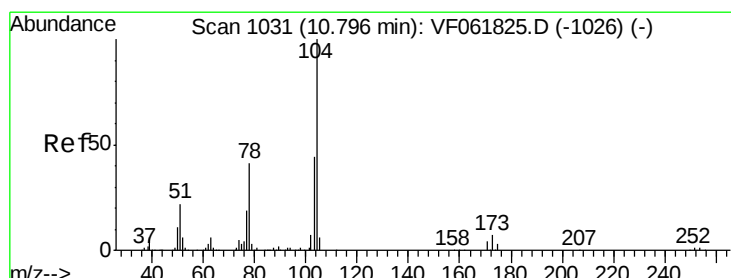
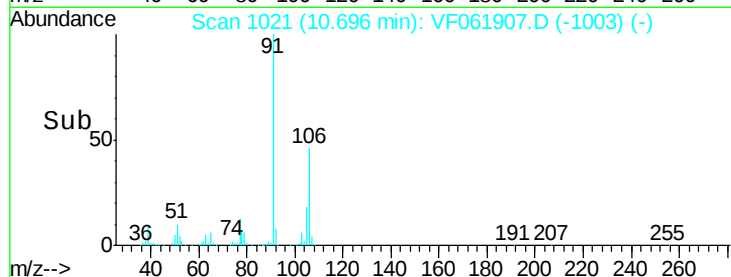
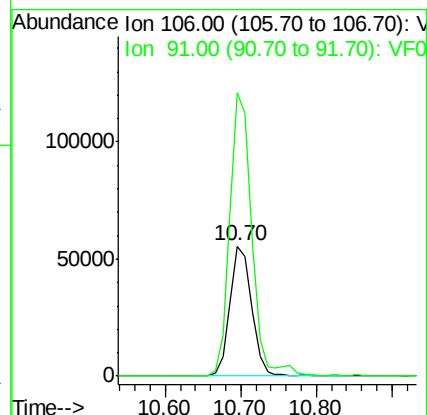
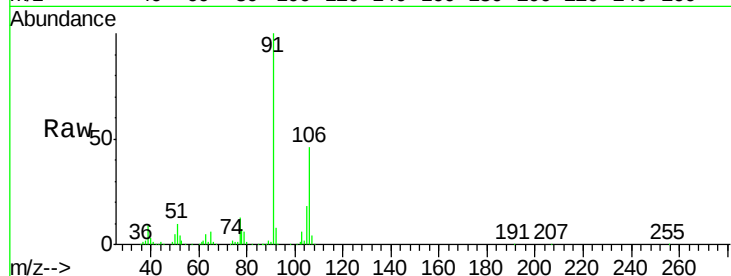




#69
o-Xylene
Concen: 23.585 ug/l
RT: 10.70 min Scan# 1021
Delta R.T. -0.02 min
Lab File: VF061907.D
Acq: 12 Mar 2019 16:11

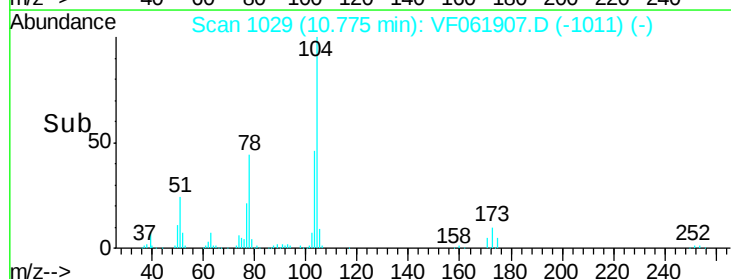
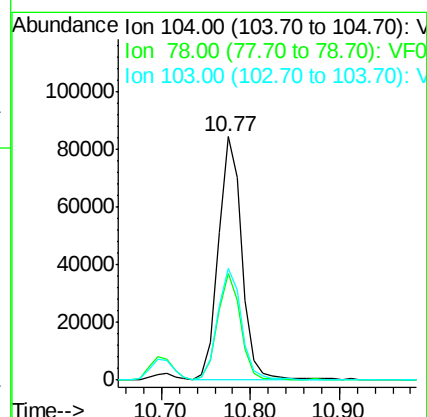
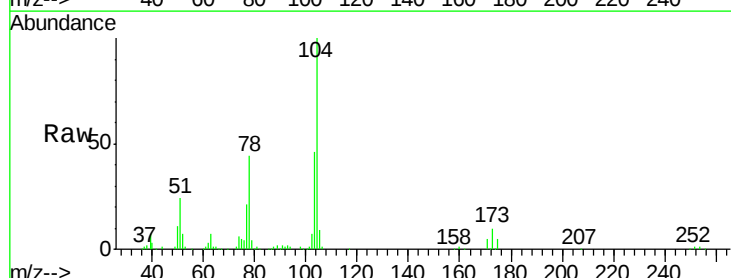
Instrument :
MSVOA_F
ClientSampleId :
VF0312SBSD01

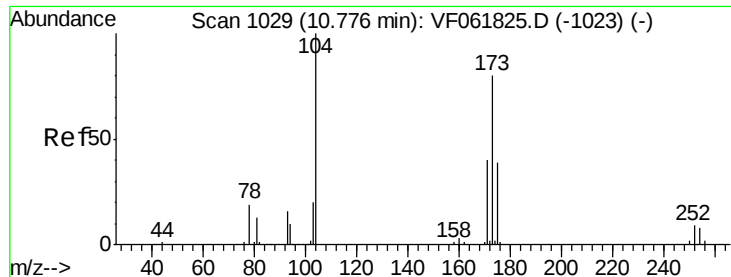
Tot Ion:106 Resp: 110909
Ion Ratio Lower Upper
106 100
91 217.3 103.5 310.3



#70
Styrene
Concen: 23.404 ug/l
RT: 10.77 min Scan# 1029
Delta R.T. -0.02 min
Lab File: VF061907.D
Acq: 12 Mar 2019 16:11

Tgt Ion:104 Resp: 154886
Ion Ratio Lower Upper
104 100
78 43.7 33.3 49.9
103 45.8 35.4 53.0





#71

Bromoform

Concen: 22.741 ug/l

RT: 10.76 min Scan# 1028

Delta R.T. -0.01 min

Lab File: VF061907.D

Acq: 12 Mar 2019 16:11

Instrument :

MSVOA_F

ClientSampleId :

VF0312SBSD01

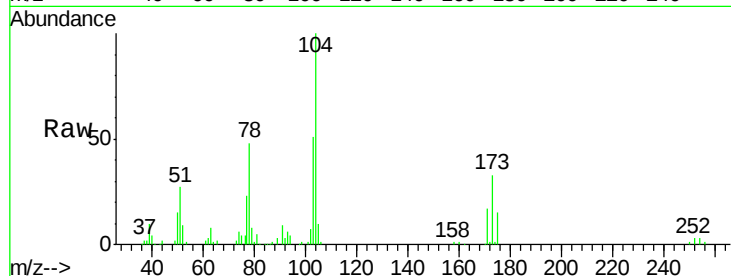
Tot Ion:173 Resp: 32028

Ion Ratio Lower Upper

173 100

175 46.5 24.5 73.5

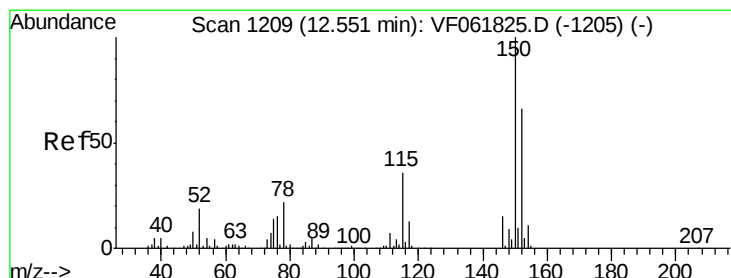
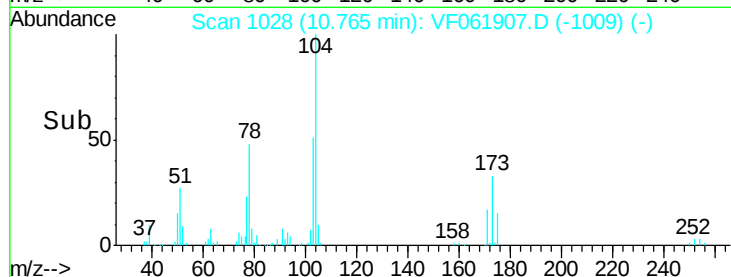
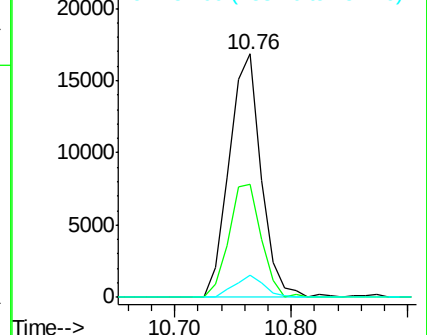
254 9.1 8.0 12.0



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.54 min Scan# 1208

Delta R.T. -0.01 min

Lab File: VF061907.D

Acq: 12 Mar 2019 16:11

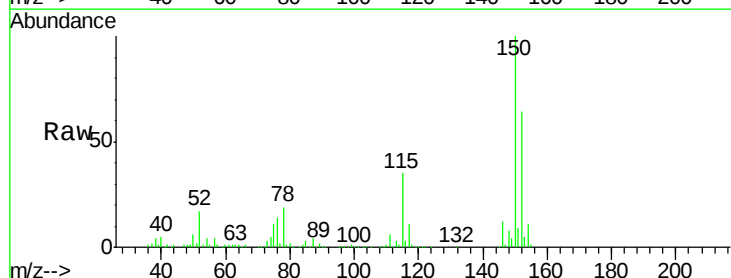
Tgt Ion:152 Resp: 201462

Ion Ratio Lower Upper

152 100

115 54.8 27.7 83.1

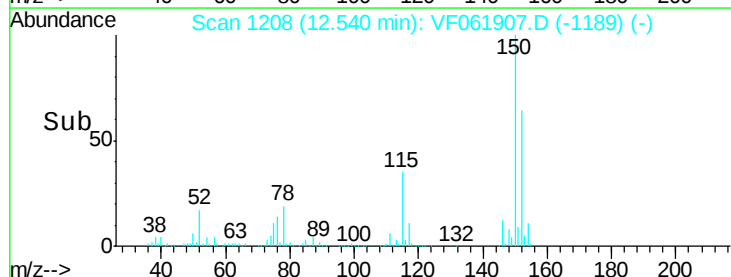
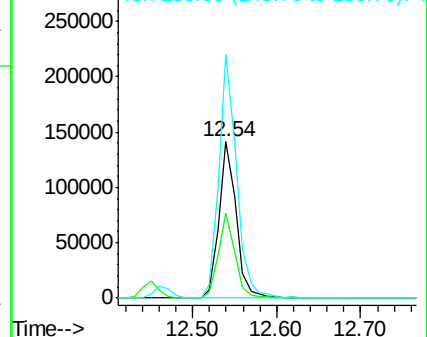
150 156.0 0.0 304.2

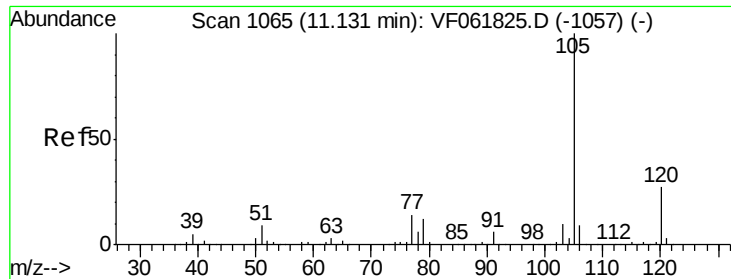


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 23.941 ug/l

RT: 11.11 min Scan# 1063

Delta R.T. -0.02 min

Lab File: VF061907.D

Acq: 12 Mar 2019 16:11

Instrument :

MSVOA_F

ClientSampleId :

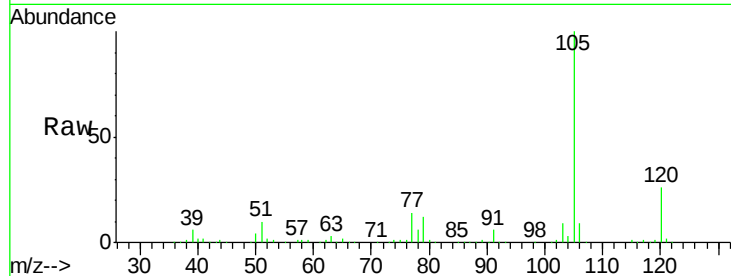
VF0312SBSD01

Tot Ion:105 Resp: 332054

Ion Ratio Lower Upper

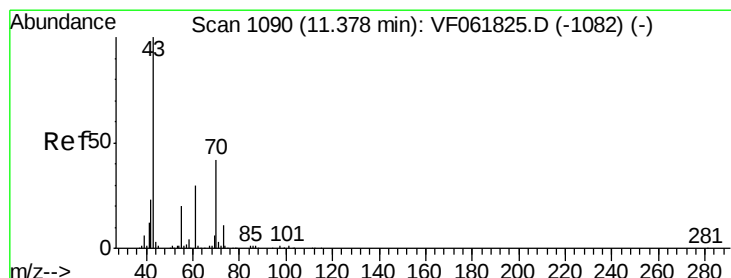
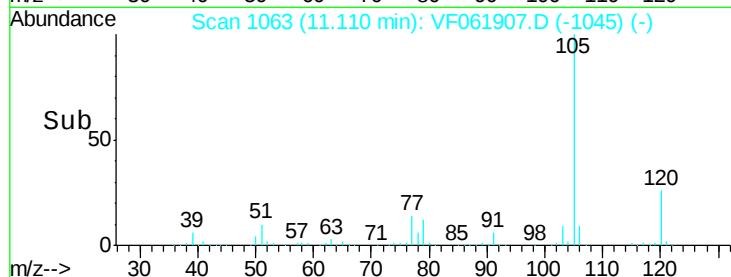
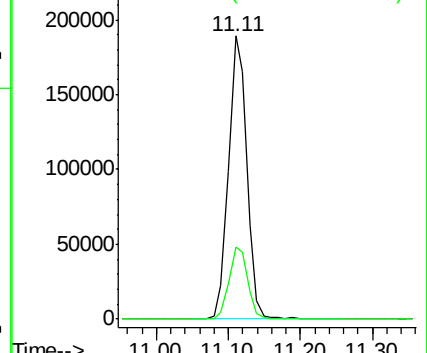
105 100

120 25.6 13.7 41.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 22.879 ug/l

RT: 11.36 min Scan# 1088

Delta R.T. -0.02 min

Lab File: VF061907.D

Acq: 12 Mar 2019 16:11

Tgt Ion: 43 Resp: 73053

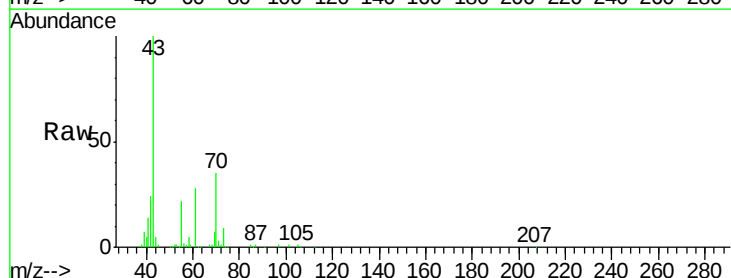
Ion Ratio Lower Upper

43 100

70 35.3 33.4 50.0

55 22.4 16.3 24.5

61 27.6 24.0 36.0

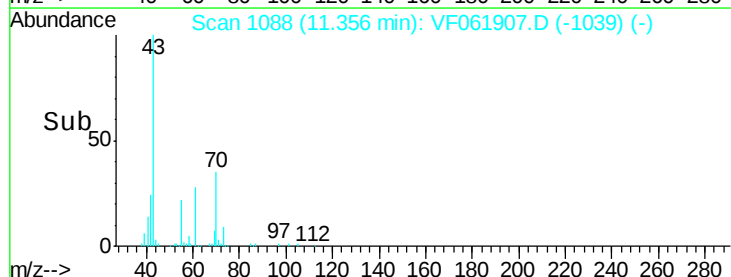
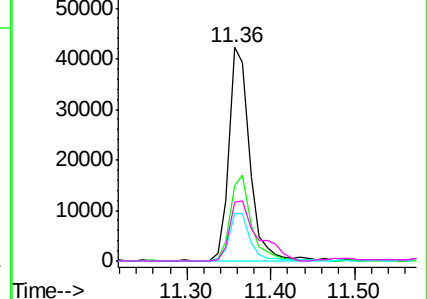


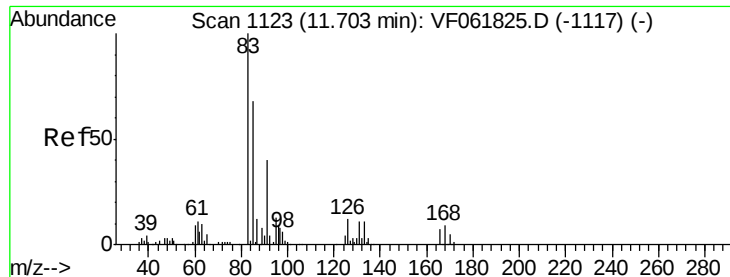
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 21.832 ug/l

RT: 11.68 min Scan# 1121

Delta R.T. -0.02 min

Lab File: VF061907.D

Acq: 12 Mar 2019 16:11

Instrument :

MSVOA_F

ClientSampleId :

VF0312SBSD01

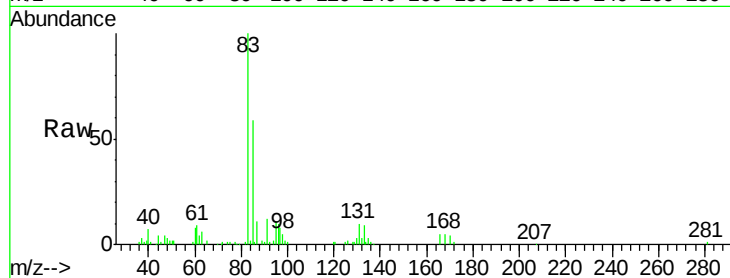
Tot Ion: 83 Resp: 50327

Ion Ratio Lower Upper

83 100

131 9.9 5.5 16.7

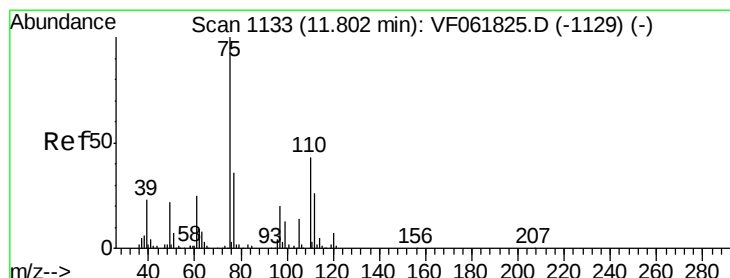
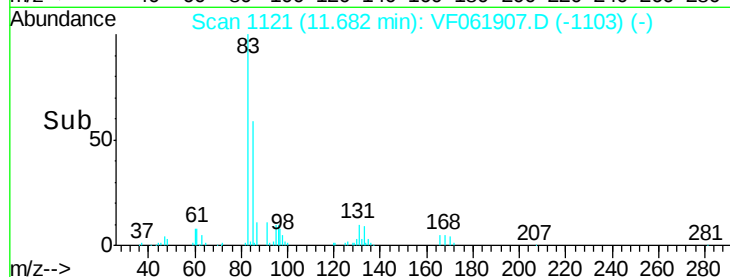
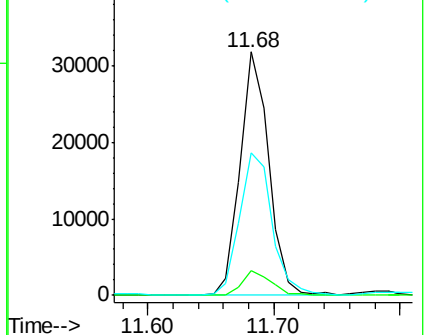
85 58.7 34.2 102.6



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): VF0

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 23.313 ug/l

RT: 11.78 min Scan# 1131

Delta R.T. -0.02 min

Lab File: VF061907.D

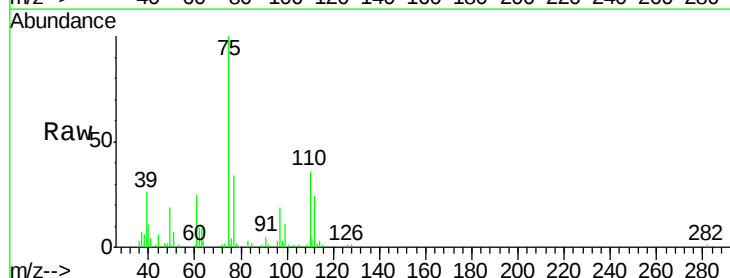
Acq: 12 Mar 2019 16:11

Tgt Ion: 75 Resp: 36678

Ion Ratio Lower Upper

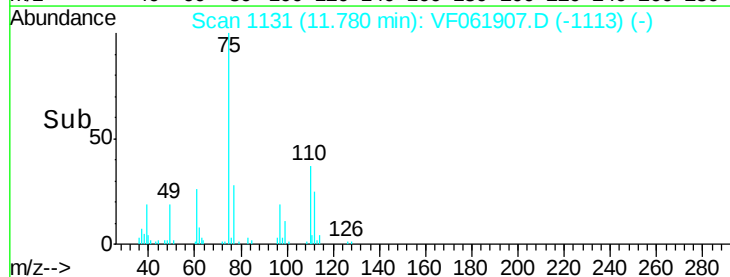
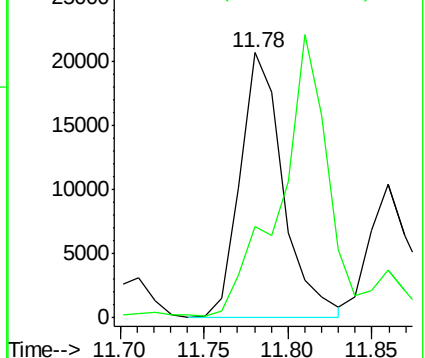
75 100

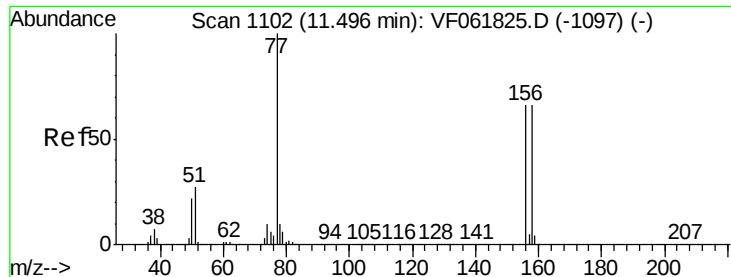
77 34.3 18.1 54.4



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

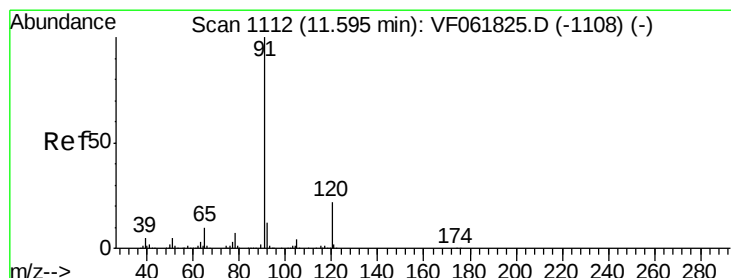
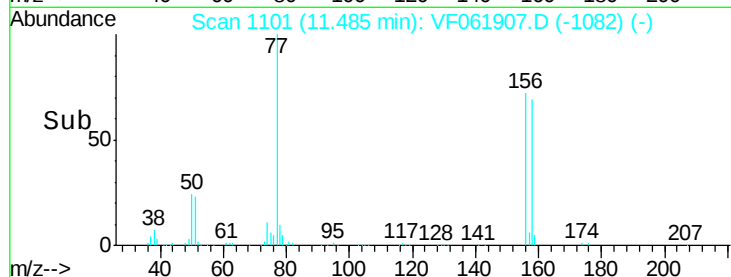
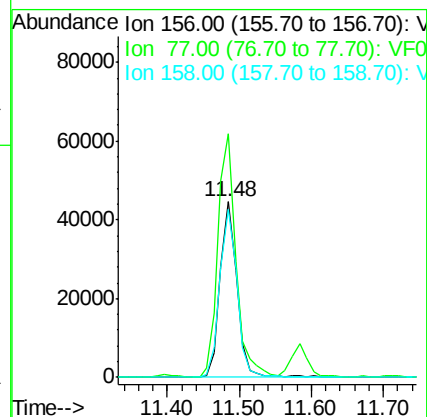
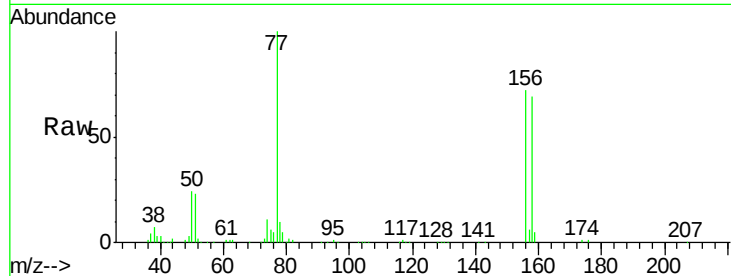




#77
Bromobenzene
Concen: 21.456 ug/l
RT: 11.48 min Scan# 1101
Delta R.T. -0.01 min
Lab File: VF061907.D
Acq: 12 Mar 2019 16:11

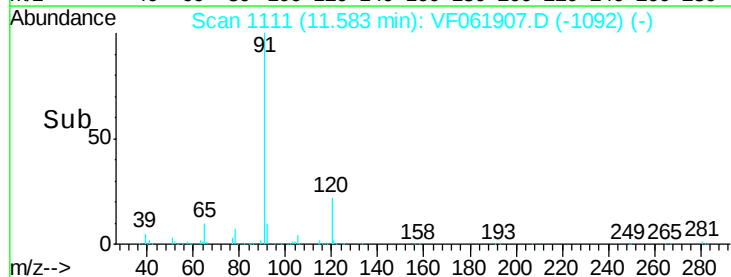
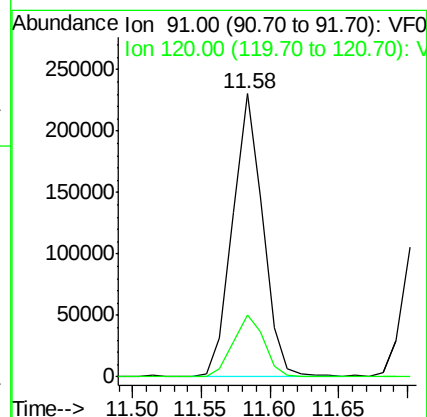
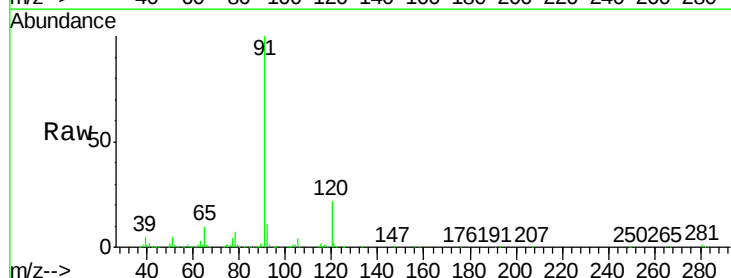
Instrument :
MSVOA_F
ClientSampleId :
VF0312SBSD01

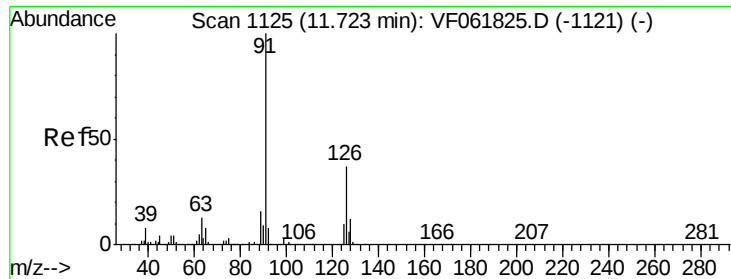
Tot Ion:156 Resp: 71619
Ion Ratio Lower Upper
156 100
77 139.0 75.7 227.1
158 95.8 50.0 150.1



#78
n-propylbenzene
Concen: 22.520 ug/l
RT: 11.58 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VF061907.D
Acq: 12 Mar 2019 16:11

Tgt Ion: 91 Resp: 352725
Ion Ratio Lower Upper
91 100
120 22.0 11.1 33.1

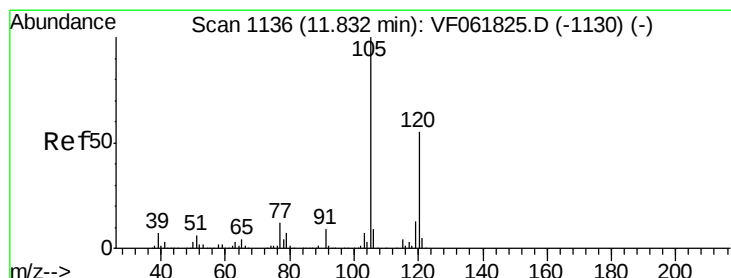
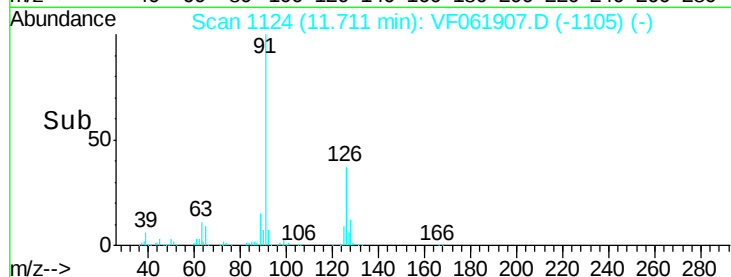
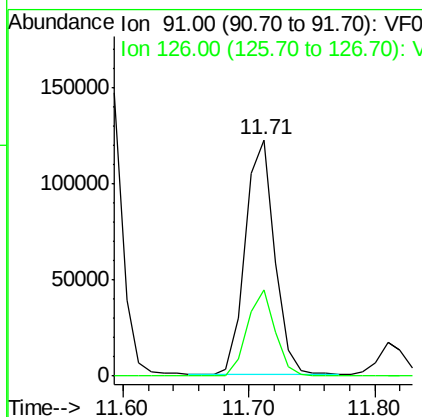
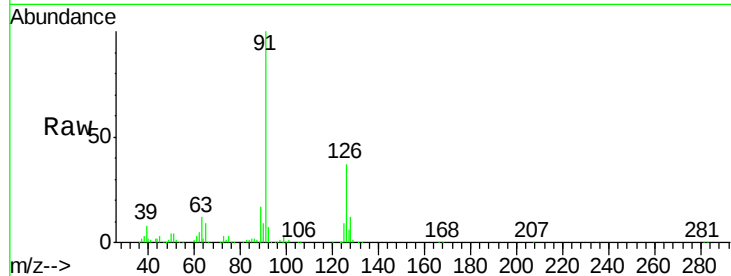




#79
 2-Chlorotoluene
 Concen: 21.993 ug/l
 RT: 11.71 min Scan# 1124
 Delta R.T. -0.01 min
 Lab File: VF061907.D
 Acq: 12 Mar 2019 16:11

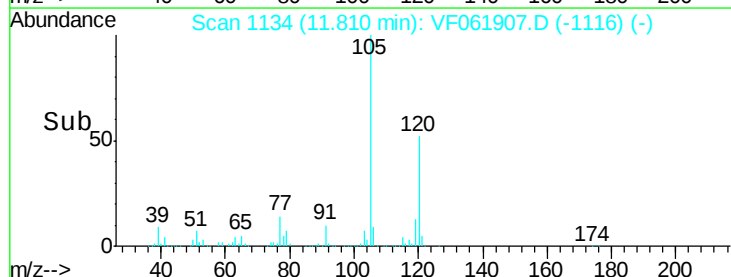
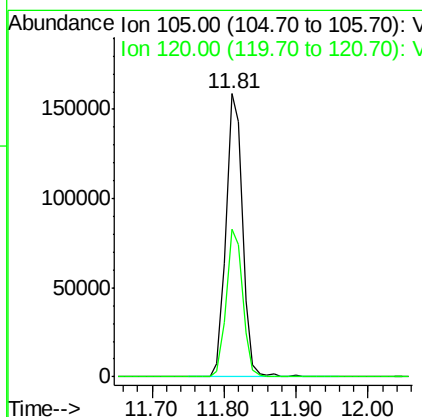
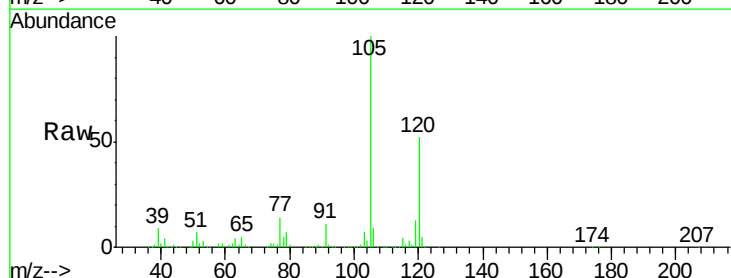
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0312SBSD01

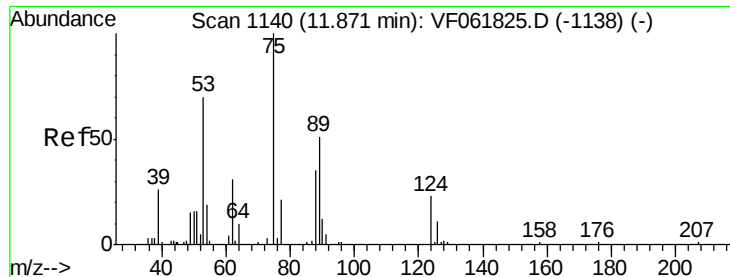
Tot Ion: 91 Resp: 196936
 Ion Ratio Lower Upper
 91 100
 126 36.7 18.1 54.4



#80
 1,3,5-Trimethylbenzene
 Concen: 22.854 ug/l
 RT: 11.81 min Scan# 1134
 Delta R.T. -0.02 min
 Lab File: VF061907.D
 Acq: 12 Mar 2019 16:11

Tgt Ion: 105 Resp: 254494
 Ion Ratio Lower Upper
 105 100
 120 52.2 27.4 82.2





#81

trans-1,4-Dichloro-2-butene

Concen: 31.492 ug/l

RT: 11.86 min Scan# 1139

Delta R.T. -0.01 min

Lab File: VF061907.D

Acq: 12 Mar 2019 16:11

Instrument :

MSVOA_F

ClientSampleId :

VF0312SBSD01

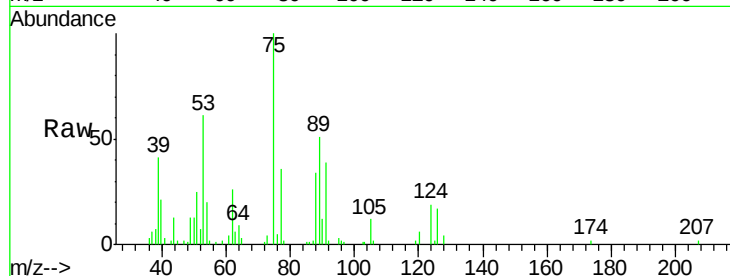
Tot Ion: 75 Resp: 22656

Ion Ratio Lower Upper

75 100

53 60.9 58.6 88.0

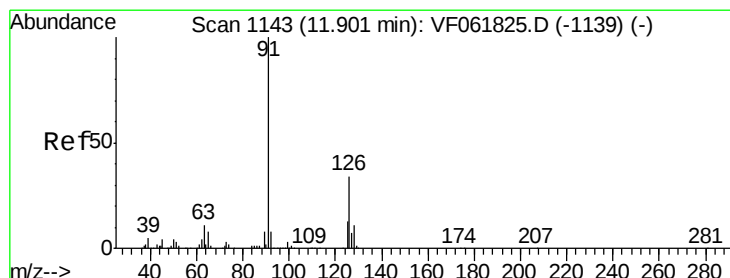
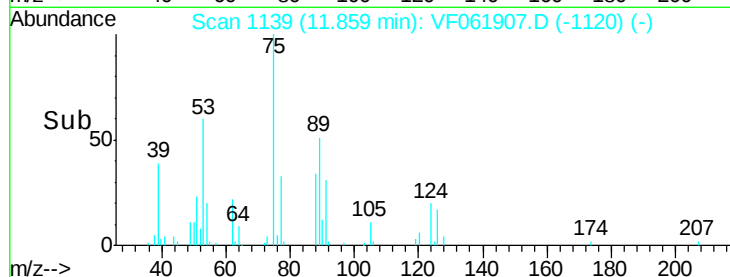
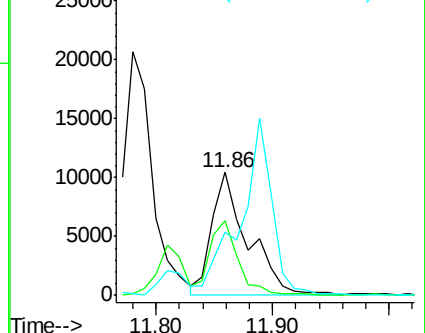
89 50.8 41.4 62.0



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: 23.096 ug/l

RT: 11.89 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VF061907.D

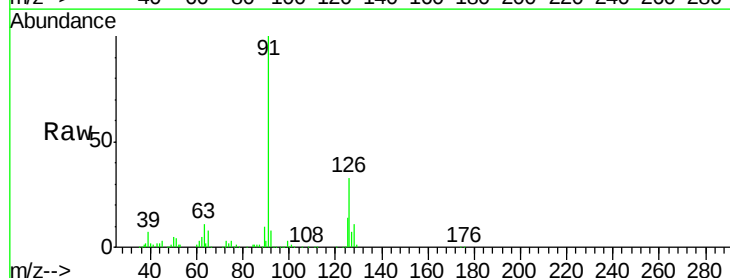
Acq: 12 Mar 2019 16:11

Tgt Ion: 91 Resp: 211543

Ion Ratio Lower Upper

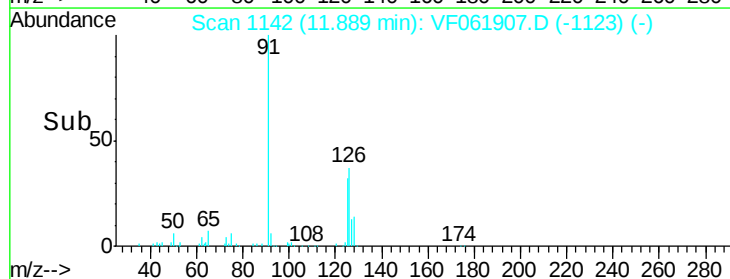
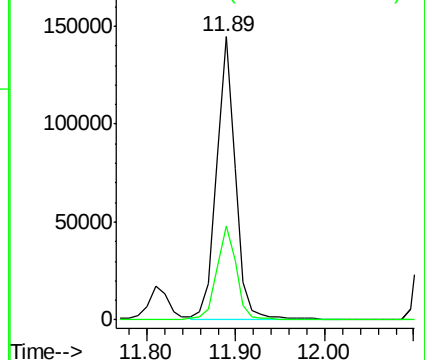
91 100

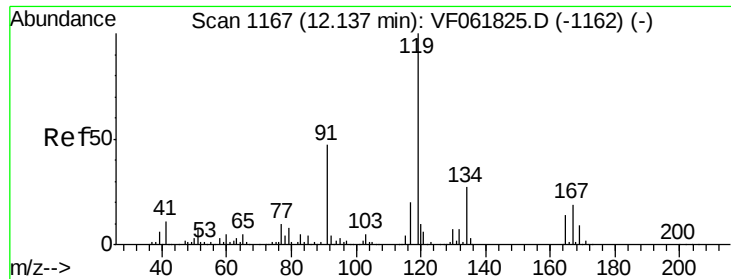
126 33.1 17.0 50.9



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

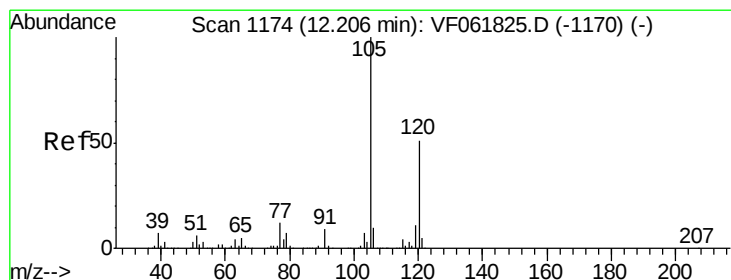
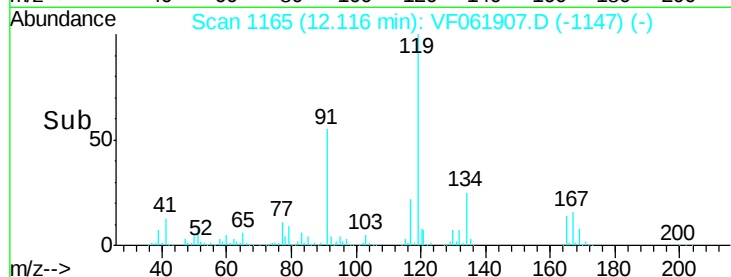
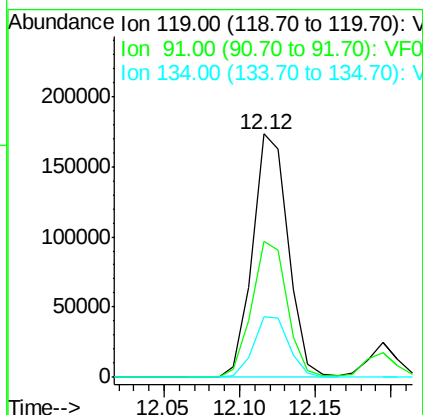
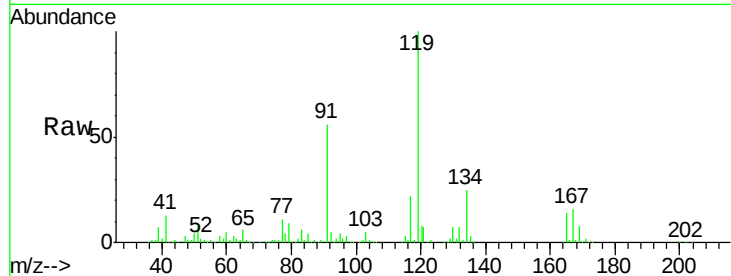




#83
tert-Butylbenzene
Concen: 24.209 ug/l
RT: 12.12 min Scan# 1165
Delta R.T. -0.02 min
Lab File: VF061907.D
Acq: 12 Mar 2019 16:11

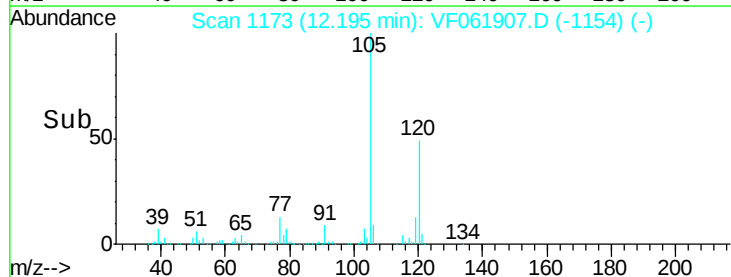
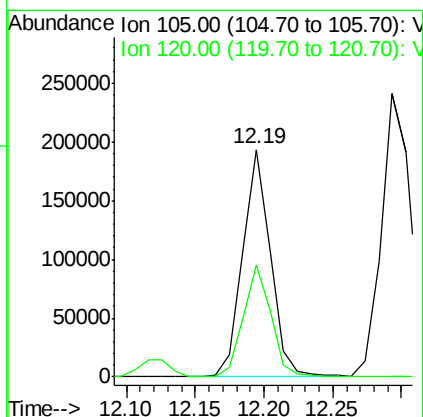
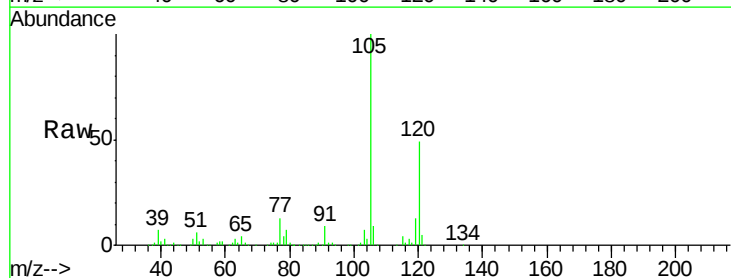
Instrument :
MSVOA_F
ClientSampleId :
VF0312SBSD01

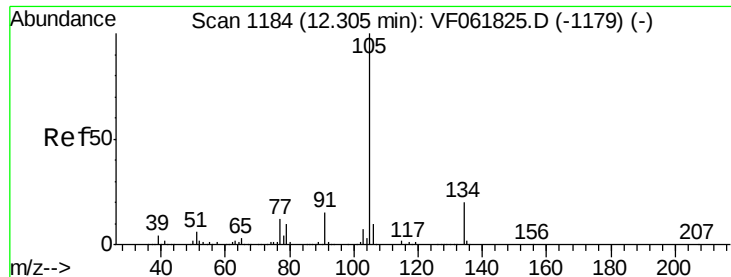
Tot Ion:119 Resp: 286258
Ion Ratio Lower Upper
119 100
91 55.9 23.5 70.5
134 24.9 13.3 39.8



#84
1,2,4-Trimethylbenzene
Concen: 24.963 ug/l
RT: 12.19 min Scan# 1173
Delta R.T. -0.01 min
Lab File: VF061907.D
Acq: 12 Mar 2019 16:11

Tgt Ion:105 Resp: 272507
Ion Ratio Lower Upper
105 100
120 49.1 25.8 77.4





#85

sec-Butylbenzene

Concen: 23.436 ug/l

RT: 12.29 min Scan# 1183

Delta R.T. -0.01 min

Lab File: VF061907.D

Acq: 12 Mar 2019 16:11

Instrument :

MSVOA_F

ClientSampleId :

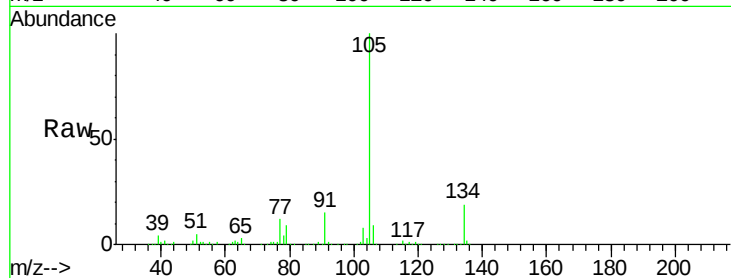
VF0312SBSD01

Tot Ion:105 Resp: 360620

Ion Ratio Lower Upper

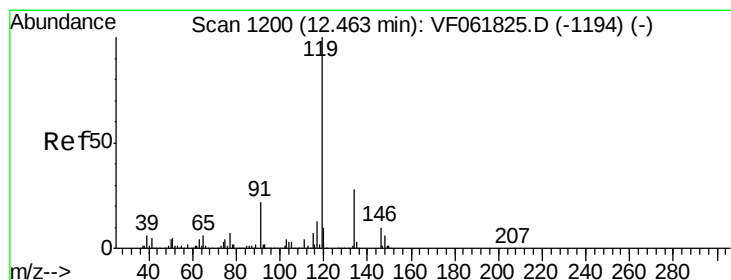
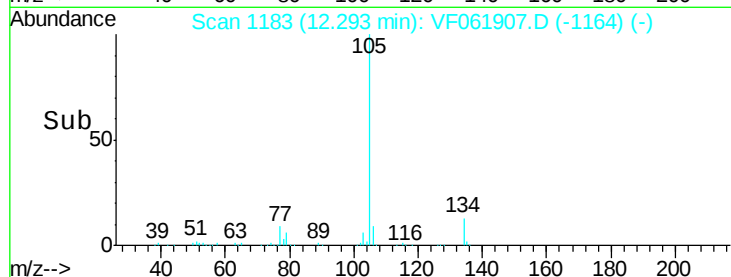
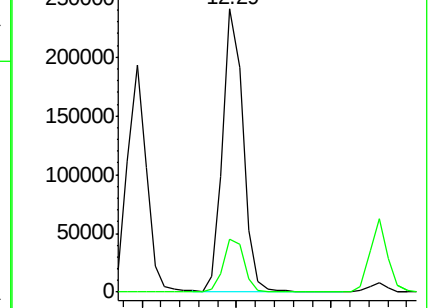
105 100

134 18.7 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 24.585 ug/l

RT: 12.45 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VF061907.D

Acq: 12 Mar 2019 16:11

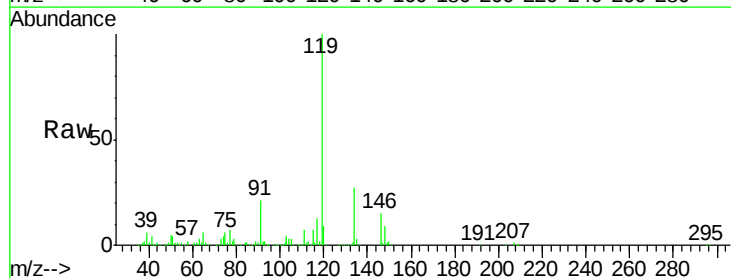
Tgt Ion:119 Resp: 321555

Ion Ratio Lower Upper

119 100

134 27.0 14.0 42.0

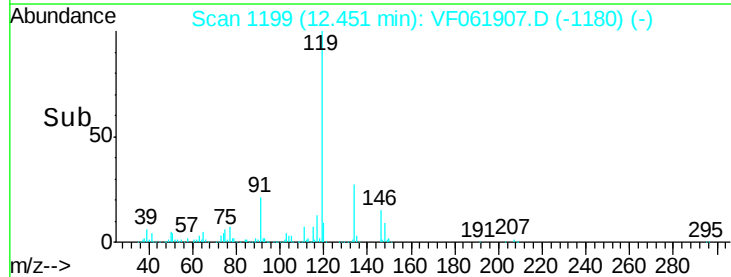
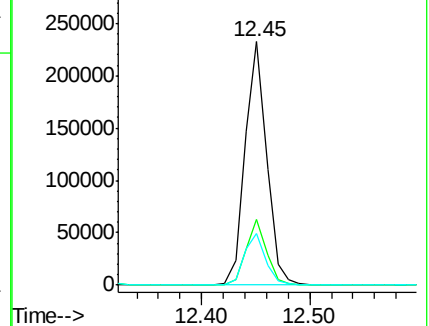
91 21.4 11.1 33.3

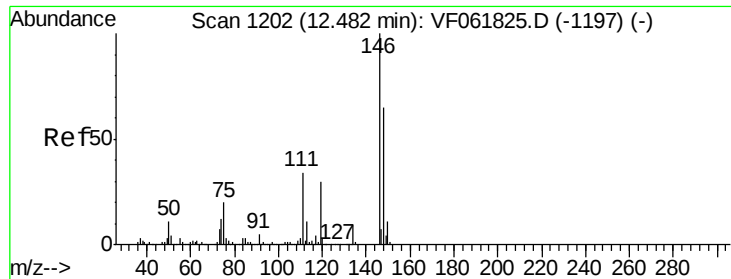


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

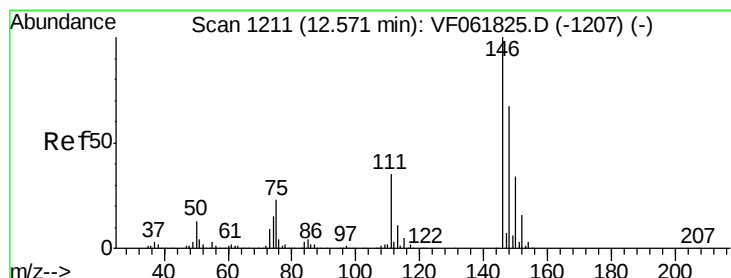
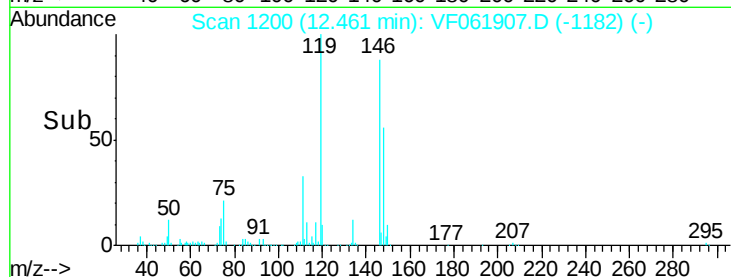
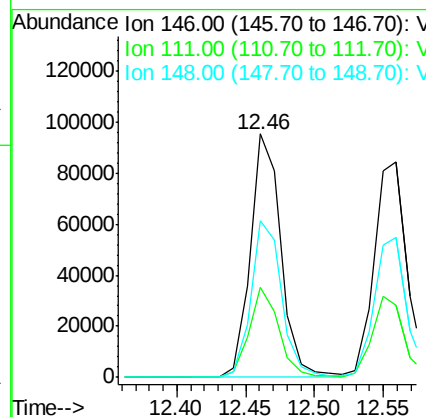
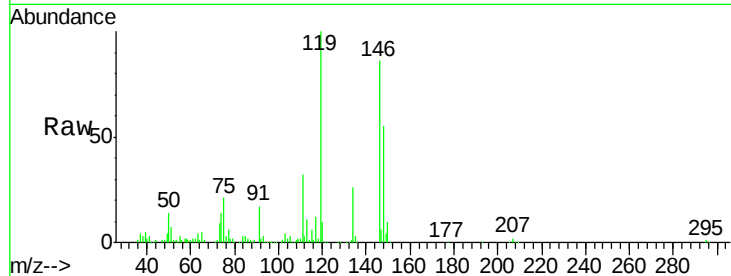




#87
 1,3-Dichlorobenzene
 Concen: 23.345 ug/l
 RT: 12.46 min Scan# 1200
 Delta R.T. -0.02 min
 Lab File: VF061907.D
 Acq: 12 Mar 2019 16:11

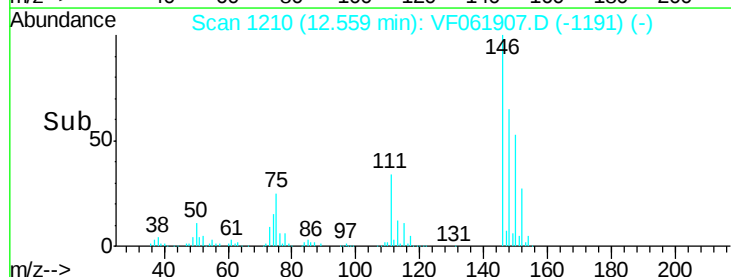
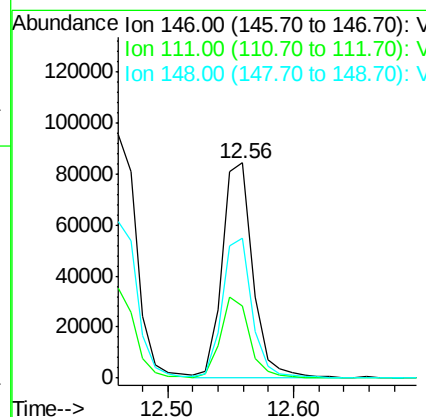
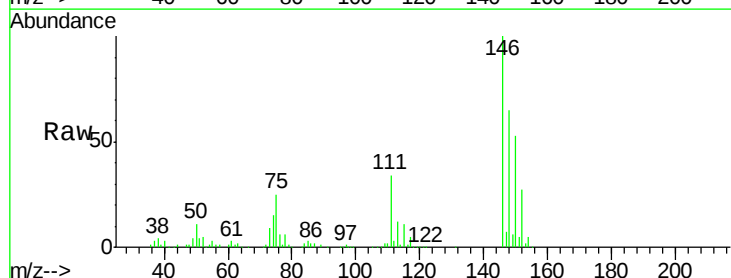
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0312SBSD01

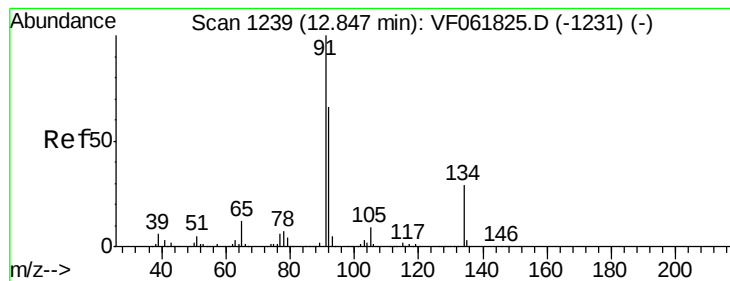
Tot Ion:146 Resp: 147961
 Ion Ratio Lower Upper
 146 100
 111 37.1 17.0 51.0
 148 64.1 32.5 97.5



#88
 1,4-Dichlorobenzene
 Concen: 23.103 ug/l
 RT: 12.56 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: VF061907.D
 Acq: 12 Mar 2019 16:11

Tgt Ion:146 Resp: 141253
 Ion Ratio Lower Upper
 146 100
 111 33.8 17.6 52.9
 148 64.9 33.5 100.4





#89

n-Butylbenzene

Concen: 24.268 ug/l

RT: 12.84 min Scan# 1238

Delta R.T. -0.01 min

Lab File: VF061907.D

Acq: 12 Mar 2019 16:11

Instrument :

MSVOA_F

ClientSampleId :

VF0312SBS01

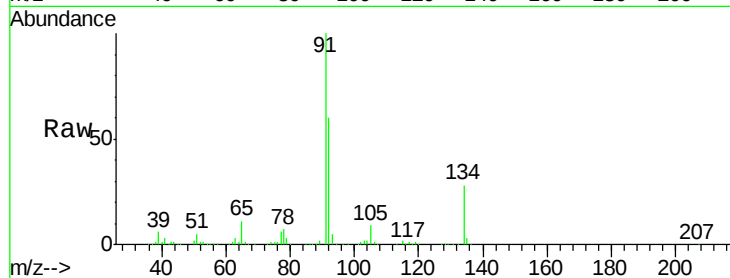
Tot Ion: 91 Resp: 303351

Ion Ratio Lower Upper

91 100

92 59.9 32.9 98.6

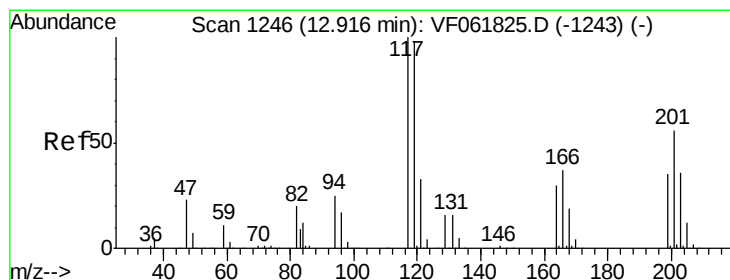
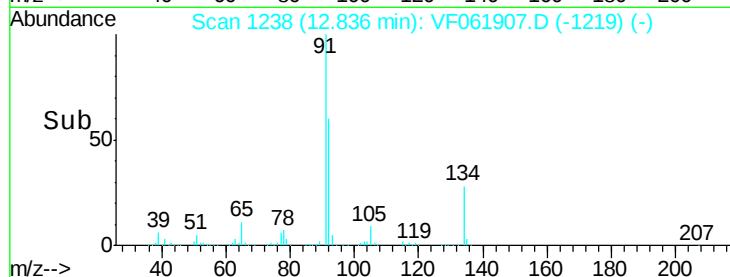
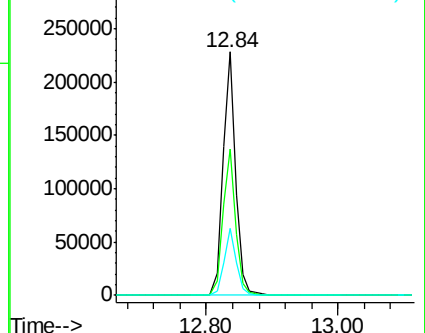
134 27.6 14.5 43.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 22.748 ug/l

RT: 12.90 min Scan# 1245

Delta R.T. -0.01 min

Lab File: VF061907.D

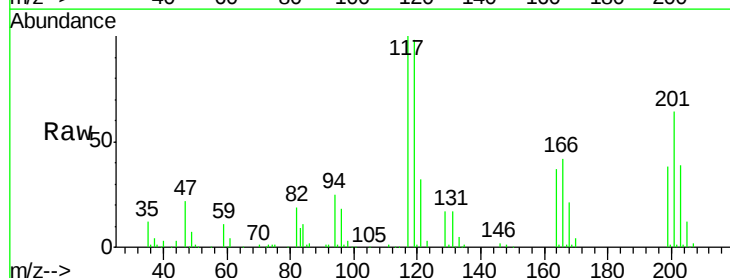
Acq: 12 Mar 2019 16:11

Tgt Ion: 117 Resp: 71615

Ion Ratio Lower Upper

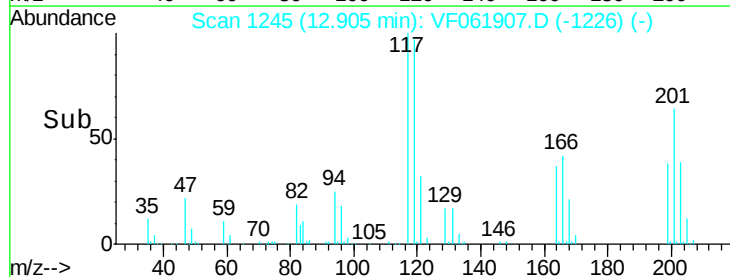
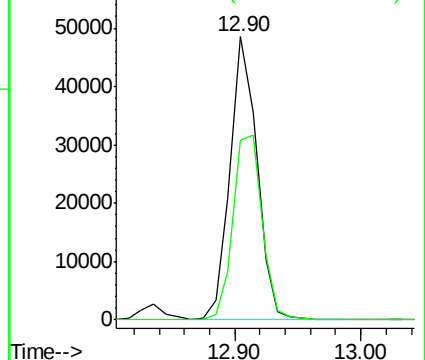
117 100

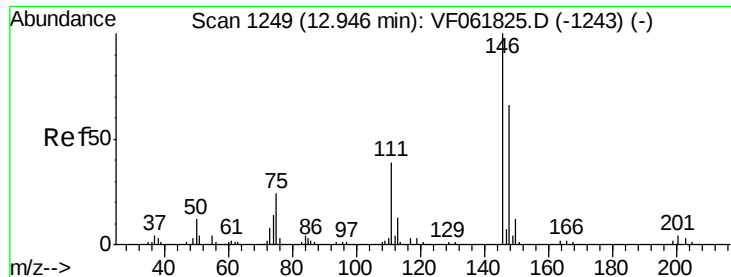
201 63.7 27.8 83.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V

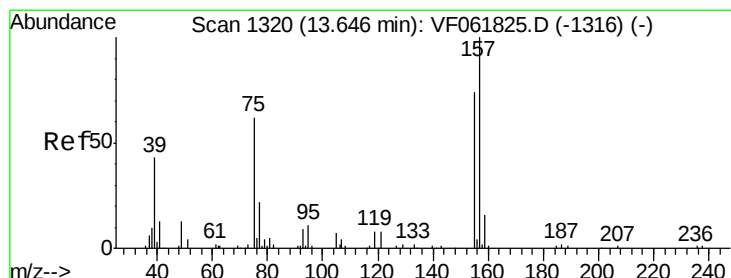
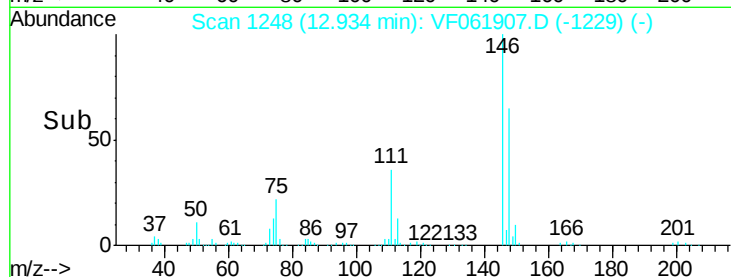
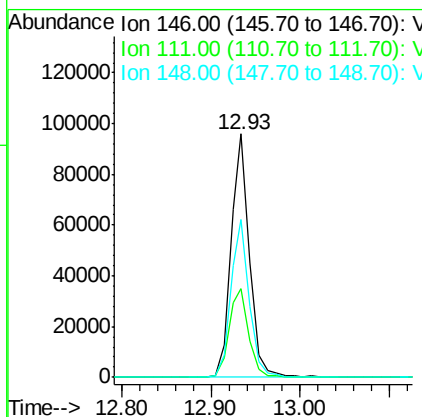
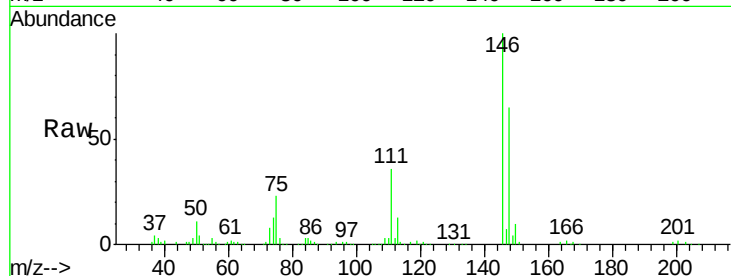




#91
 1,2-Dichlorobenzene
 Concen: 23.305 ug/l
 RT: 12.93 min Scan# 1248
 Delta R.T. -0.01 min
 Lab File: VF061907.D
 Acq: 12 Mar 2019 16:11

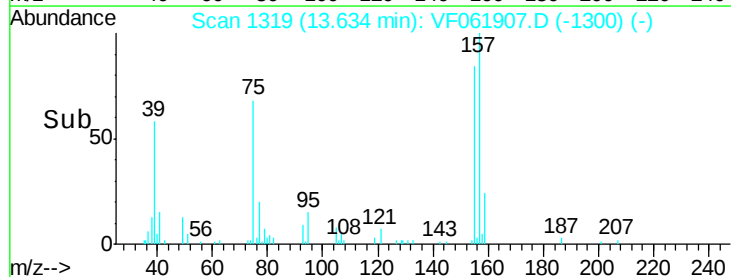
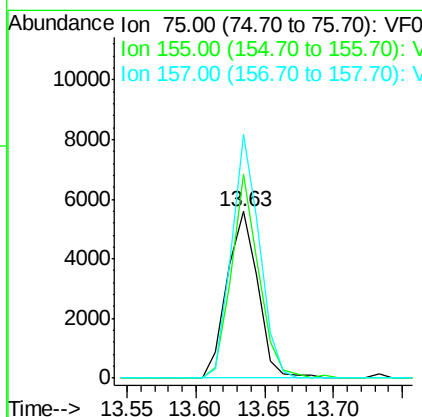
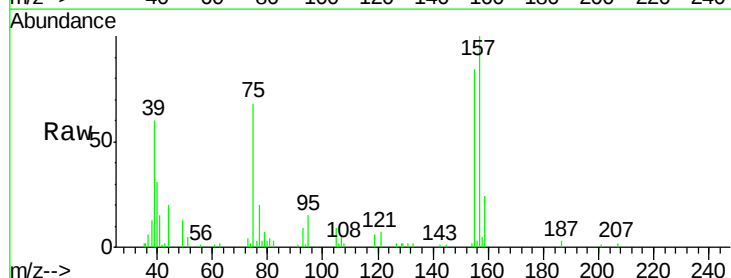
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0312SBSD01

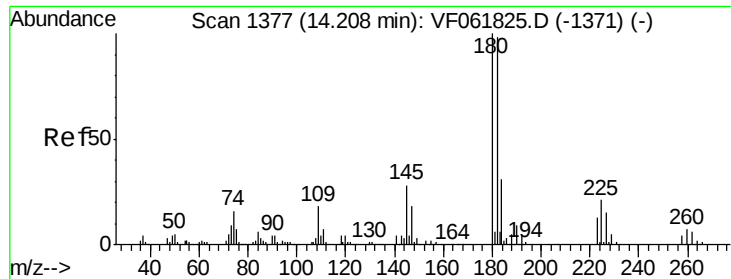
Tot Ion:146 Resp: 139945
 Ion Ratio Lower Upper
 146 100
 111 36.4 19.4 58.4
 148 64.7 33.0 98.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.825 ug/l
 RT: 13.63 min Scan# 1319
 Delta R.T. -0.01 min
 Lab File: VF061907.D
 Acq: 12 Mar 2019 16:11

Tgt Ion: 75 Resp: 8683
 Ion Ratio Lower Upper
 75 100
 155 122.8 59.8 179.4
 157 146.4 81.2 243.4

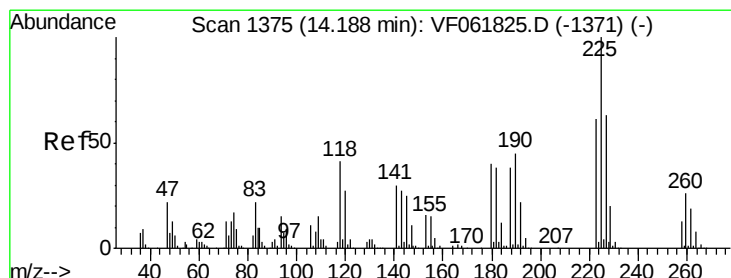
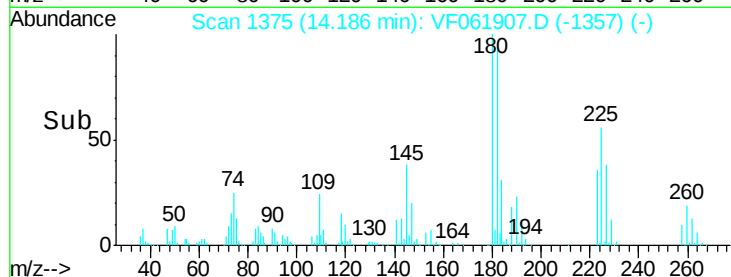
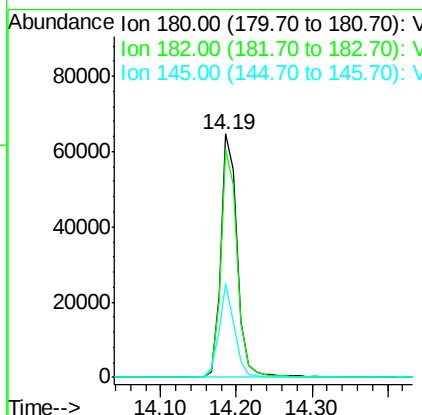
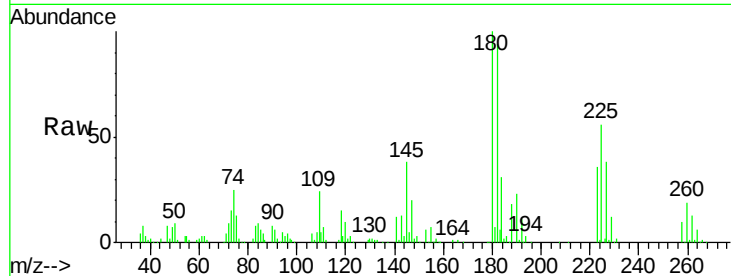




#93
 1,2,4-Trichlorobenzene
 Concen: 23.461 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.02 min
 Lab File: VF061907.D
 Acq: 12 Mar 2019 16:11

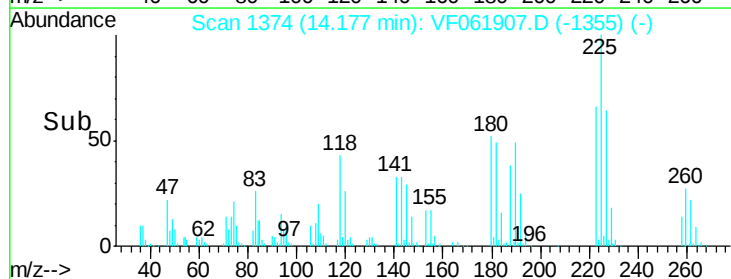
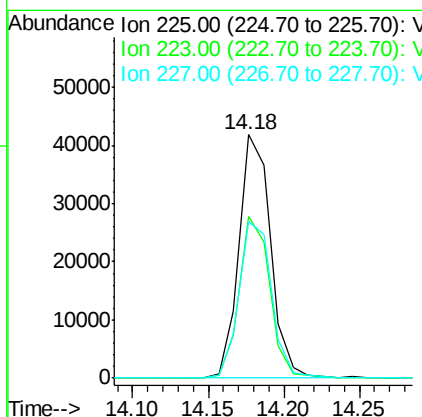
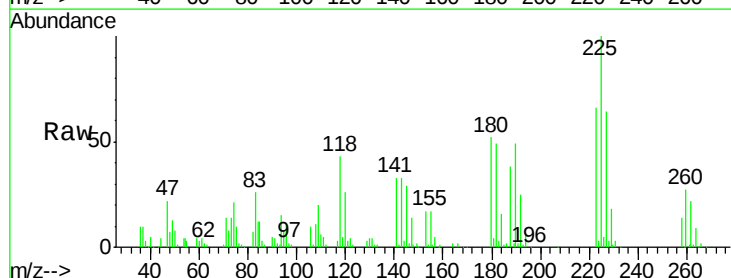
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0312SBS01

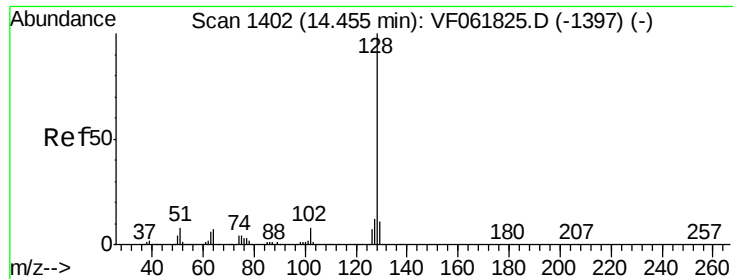
Tot Ion:180 Resp: 98767
 Ion Ratio Lower Upper
 180 100
 182 93.7 49.0 147.2
 145 38.4 14.1 42.4



#94
 Hexachlorobutadiene
 Concen: 20.861 ug/l
 RT: 14.18 min Scan# 1374
 Delta R.T. -0.01 min
 Lab File: VF061907.D
 Acq: 12 Mar 2019 16:11

Tgt Ion:225 Resp: 60797
 Ion Ratio Lower Upper
 225 100
 223 66.2 30.3 90.9
 227 64.2 31.3 93.8

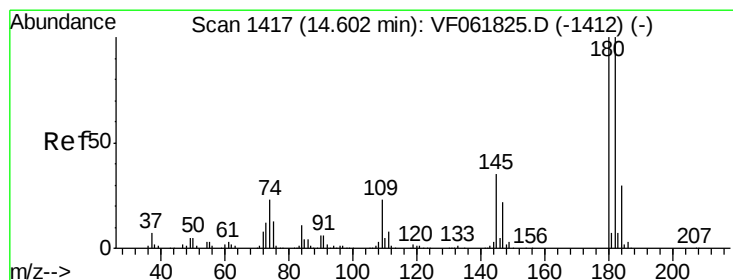
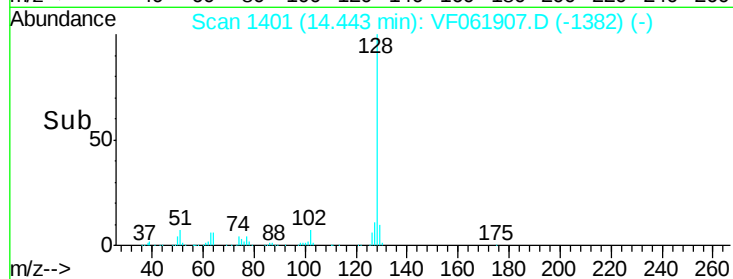
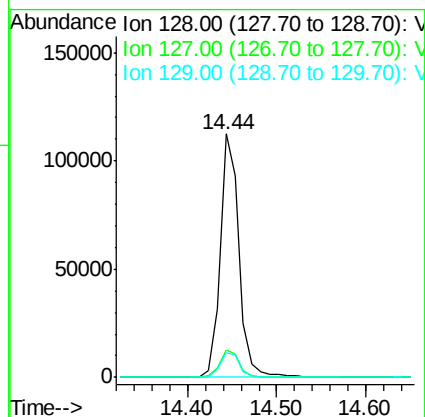
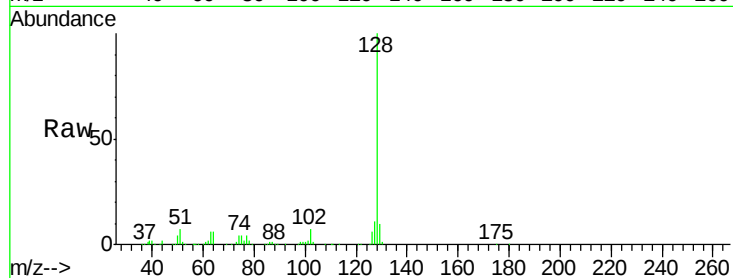




#95
Naphthalene
Concen: 22.087 ug/l
RT: 14.44 min Scan# 1401
Delta R.T. -0.01 min
Lab File: VF061907.D
Acq: 12 Mar 2019 16:11

Instrument :
MSVOA_F
ClientSampleId :
VF0312SBSD01

Tot Ion:128 Resp: 165610
Ion Ratio Lower Upper
128 100
127 11.2 9.3 13.9
129 10.3 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 22.992 ug/l
RT: 14.59 min Scan# 1416
Delta R.T. -0.01 min
Lab File: VF061907.D
Acq: 12 Mar 2019 16:11

Tgt Ion:180 Resp: 89370
Ion Ratio Lower Upper
180 100
182 93.8 50.2 150.7
145 33.1 17.5 52.5

