

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF030519\
 Data File : VF061845.D
 Acq On : 5 Mar 2019 15:12
 Operator : VA/AP
 Sample : VF0305SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0305SBS01

Quant Time: Mar 06 05:43:06 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	4.87	168	304415	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.59	114	488339	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.77	117	394027	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.55	152	226498	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.84	65	106825	48.19	ug/l	-0.01
Spiked Amount						
			Recovery	=	96.38%	
35) Dibromofluoromethane	4.11	113	158130	46.40	ug/l	-0.01
Spiked Amount						
			Recovery	=	92.80%	
50) Toluene-d8	7.55	98	466926	46.10	ug/l	-0.01
Spiked Amount						
			Recovery	=	92.20%	
62) 4-Bromofluorobenzene	11.41	95	181860	45.83	ug/l	-0.01
Spiked Amount						
			Recovery	=	91.66%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.96	85	90984	24.345	ug/l	89
3) Chloromethane	1.09	50	84050	23.205	ug/l	96
4) Vinyl Chloride	1.14	62	85321	24.815	ug/l	98
5) Bromomethane	1.33	94	50377	21.499	ug/l	93
6) Chloroethane	1.40	64	39380	24.094	ug/l	100
7) Trichlorofluoromethane	1.49	101	75755	18.040	ug/l	95
8) Diethyl Ether	1.63	74	20937	21.925	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	1.84	101	65482	22.962	ug/l	89
10) Methyl Iodide	1.91	142	96874	17.851	ug/l	97
11) Tert butyl alcohol	2.57	59	15258	121.260	ug/l	93
12) 1,1-Dichloroethene	1.80	96	61223	23.516	ug/l	92
13) Acrolein	2.00	56	14567	91.364	ug/l	91
14) Allyl chloride	2.10	41	67850	23.656	ug/l	97
15) Acrylonitrile	2.95	53	45260	112.960	ug/l	89
16) Acetone	2.25	43	59846	128.875	ug/l	93
17) Carbon Disulfide	1.83	76	127279	15.706	ug/l	96
18) Methyl Acetate	2.34	43	24842	27.326	ug/l	99
19) Methyl tert-butyl Ether	2.43	73	98697	22.410	ug/l	97
20) Methylene Chloride	2.18	84	22463	3.847	ug/l	91
21) trans-1,2-Dichloroethene	2.30	96	55133	22.501	ug/l	94
22) Diisopropyl ether	2.80	45	170574	22.863	ug/l	93
23) Vinyl Acetate	3.18	43	377415	113.235	ug/l	98
24) 1,1-Dichloroethane	2.87	63	104227	23.372	ug/l	99
25) 2-Butanone	4.34	43	111871	118.435	ug/l	99
26) 2,2-Dichloropropane	3.59	77	44359	22.283	ug/l	97
27) cis-1,2-Dichloroethene	3.48	96	76835	22.634	ug/l	91
28) Bromochloromethane	3.71	49	42633	21.932	ug/l #	95
29) Tetrahydrofuran	4.08	42	44341	108.847	ug/l	98
30) Chloroform	3.85	83	122006	23.953	ug/l	97
31) Cyclohexane	3.68	56	64648	13.841	ug/l	98
32) 1,1,1-Trichloroethane	4.09	97	69328	22.081	ug/l	93
36) 1,1-Dichloropropene	4.28	75	99832	21.642	ug/l	99
37) Ethyl Acetate	4.11	43	39009	20.147	ug/l	98
38) Carbon Tetrachloride	3.99	117	73261	22.435	ug/l	92

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF030519\
 Data File : VF061845.D
 Acq On : 5 Mar 2019 15:12
 Operator : VA/AP
 Sample : VF0305SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0305SBS01

Quant Time: Mar 06 05:43:06 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)
39) Methylcyclohexane	5.45	83	114134	20.948	ug/l	94
40) Benzene	4.63	78	261491	21.687	ug/l	98
41) Methacrylonitrile	4.74	41	22604	21.308	ug/l	96
42) 1,2-Dichloroethane	4.94	62	64838	21.578	ug/l	97
43) Isopropyl Acetate	6.96	43	45076	18.887	ug/l	99
44) Trichloroethene	5.50	130	85860	22.914	ug/l	98
45) 1,2-Dichloropropane	6.23	63	63710	22.220	ug/l	100
46) Dibromomethane	6.08	93	35065	19.432	ug/l	93
47) Bromodichloromethane	6.38	83	86401	21.673	ug/l	98
48) Methyl methacrylate	6.71	41	30677	20.310	ug/l	93
49) 1,4-Dioxane	6.70	88	5465	395.787	ug/l	88
51) 4-Methyl-2-Pentanone	8.25	43	170233	103.201	ug/l	98
52) Toluene	7.62	92	153157	21.472	ug/l	98
53) t-1,3-Dichloropropene	8.27	75	69709	21.183	ug/l	98
54) cis-1,3-Dichloropropene	7.29	75	96312	21.219	ug/l	96
55) 1,1,2-Trichloroethane	8.49	97	41553	20.219	ug/l	99
56) Ethyl methacrylate	8.62	69	46346	20.010	ug/l	97
57) 1,3-Dichloropropane	8.85	76	68712	20.444	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.29	63	38017	103.758	ug/l	99
59) 2-Hexanone	9.49	43	122048	102.562	ug/l	97
60) Dibromochloromethane	8.71	129	62274	21.260	ug/l	98
61) 1,2-Dibromoethane	8.98	107	45769	20.251	ug/l	100
64) Tetrachloroethene	8.15	164	70537	23.297	ug/l	98
65) Chlorobenzene	9.80	112	171118	22.604	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.93	131	70225	23.943	ug/l	97
67) Ethyl Benzene	9.90	91	304194	24.244	ug/l	99
68) m/p-Xylenes	10.12	106	217319	45.212	ug/l	95
69) o-Xylene	10.71	106	124601	24.074	ug/l	94
70) Styrene	10.78	104	170196	23.365	ug/l	97
71) Bromoform	10.77	173	33557	21.648	ug/l	98
73) Isopropylbenzene	11.12	105	348108	22.324	ug/l	98
74) N-amyl acetate	11.37	43	77459	21.578	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.69	83	52727	20.345	ug/l	98
76) 1,2,3-Trichloropropane	11.79	75	38248	21.624	ug/l	95
77) Bromobenzene	11.49	156	80120	21.350	ug/l	91
78) n-propylbenzene	11.59	91	395795	22.477	ug/l	98
79) 2-Chlorotoluene	11.72	91	222409	22.092	ug/l	99
80) 1,3,5-Trimethylbenzene	11.82	105	282865	22.594	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.87	75	22118	27.346	ug/l	92
82) 4-Chlorotoluene	11.90	91	227377	22.081	ug/l	96
83) tert-Butylbenzene	12.13	119	304354	22.895	ug/l	91
84) 1,2,4-Trimethylbenzene	12.20	105	268711	21.895	ug/l	97
85) sec-Butylbenzene	12.30	105	390346	22.564	ug/l	97
86) p-Isopropyltoluene	12.46	119	329338	22.396	ug/l	99
87) 1,3-Dichlorobenzene	12.47	146	159655	22.405	ug/l	97
88) 1,4-Dichlorobenzene	12.56	146	153589	22.344	ug/l	98
89) n-Butylbenzene	12.85	91	322586	22.955	ug/l	96
90) Hexachloroethane	12.91	117	76675	21.663	ug/l	84
91) 1,2-Dichlorobenzene	12.94	146	153804	22.782	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.64	75	8235	20.687	ug/l	93

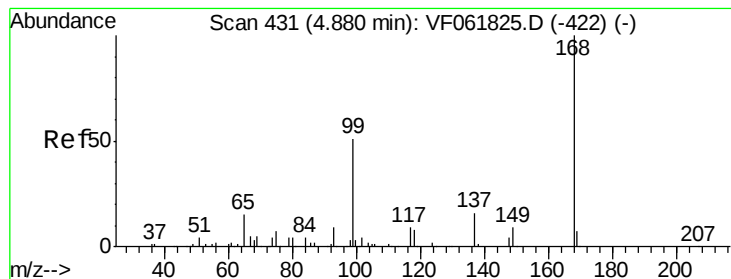
Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF030519\
Data File : VF061845.D
Acq On : 5 Mar 2019 15:12
Operator : VA/AP
Sample : VF0305SBS01
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VF0305SBS01

Quant Time: Mar 06 05:43:06 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)
93) 1,2,4-Trichlorobenzene	14.20	180	106898	22.585	ug/l	96
94) Hexachlorobutadiene	14.19	225	68202	20.815	ug/l	94
95) Naphthalene	14.45	128	171504	20.344	ug/l	99
96) 1,2,3-Trichlorobenzene	14.60	180	97541	22.320	ug/l	93

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.01 min

Lab File: VF061845.D

Acq: 5 Mar 2019 15:12

Instrument :

MSVOA_F

ClientSampleId :

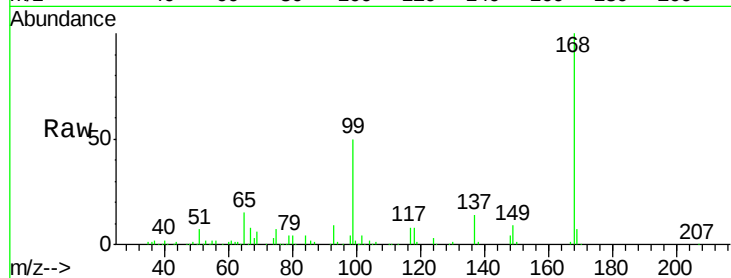
VF0305SBS01

Tot Ion:168 Resp: 304415

Ion Ratio Lower Upper

168 100

99 50.3 40.8 61.2



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.87

100000

80000

60000

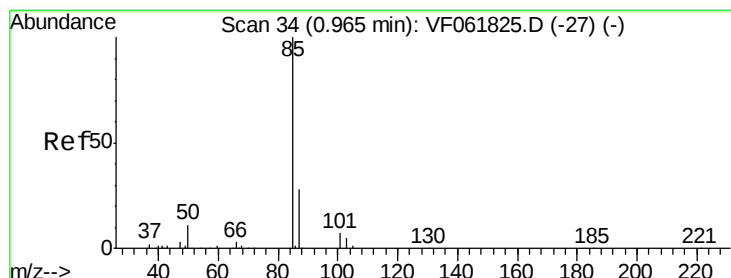
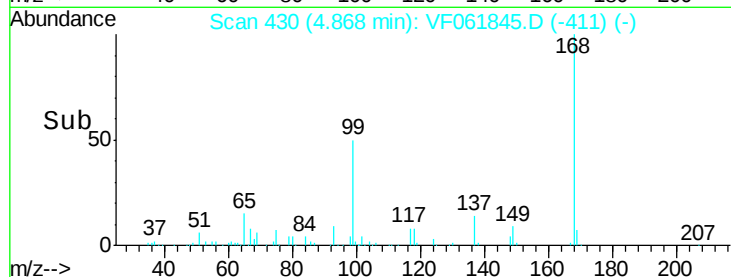
40000

20000

0

Time-->

4.70 4.80 4.90 5.00 5.10



#2

Dichlorodifluoromethane

Concen: 24.345 ug/l

RT: 0.96 min Scan# 34

Delta R.T. -0.00 min

Lab File: VF061845.D

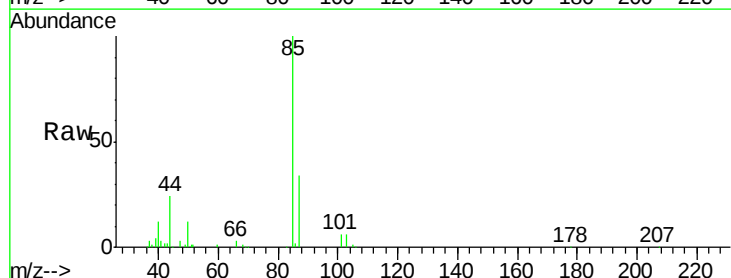
Acq: 5 Mar 2019 15:12

Tgt Ion: 85 Resp: 90984

Ion Ratio Lower Upper

85 100

87 33.8 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

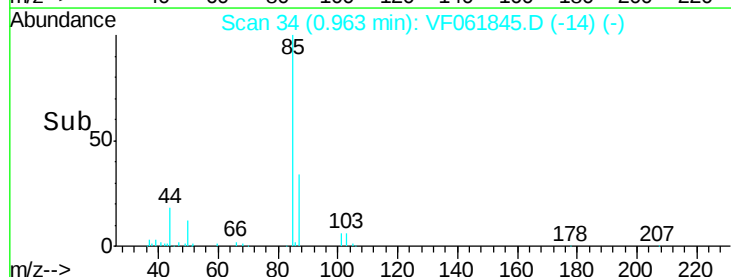
10000

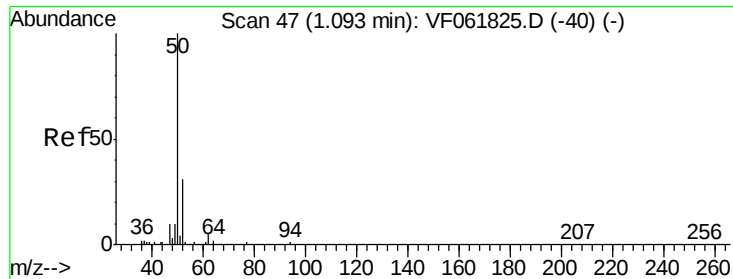
5000

0

Time-->

0.90 1.00 1.10





#3

Chloromethane

Concen: 23.205 ug/l

RT: 1.09 min Scan# 47

Delta R.T. -0.00 min

Lab File: VF061845.D

Acq: 5 Mar 2019 15:12

Instrument :

MSVOA_F

ClientSampleId :

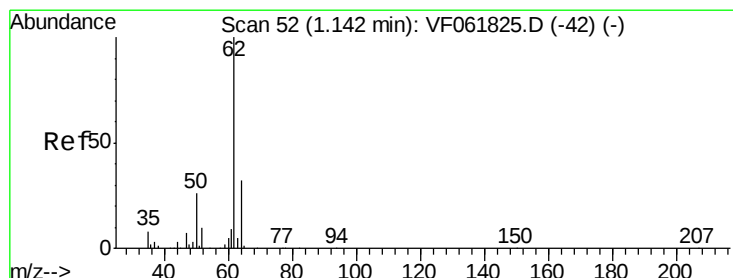
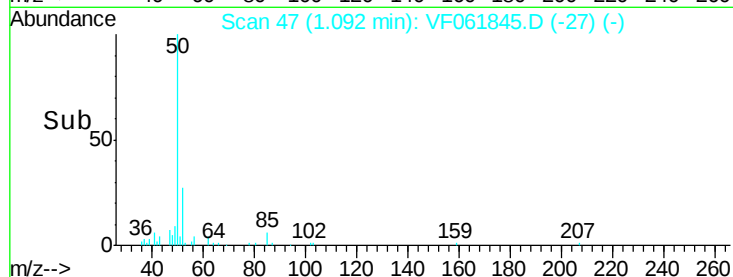
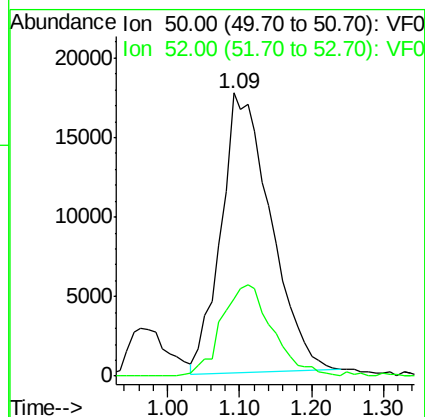
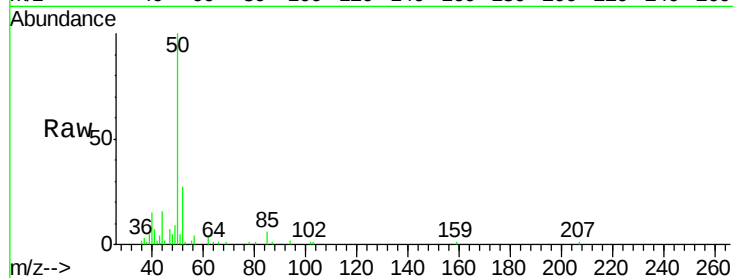
VF0305SBS01

Tot Ion: 50 Resp: 84050

Ion Ratio Lower Upper

50 100

52 27.5 23.8 35.8



#4

Vinyl Chloride

Concen: 24.815 ug/l

RT: 1.14 min Scan# 52

Delta R.T. -0.00 min

Lab File: VF061845.D

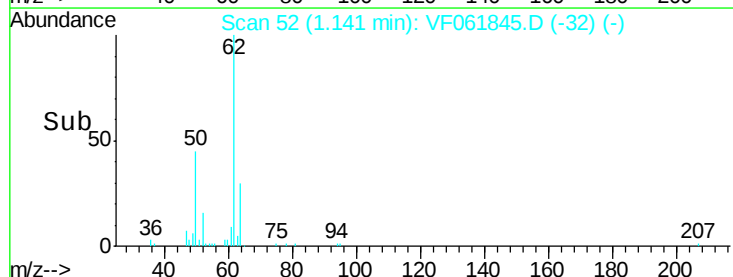
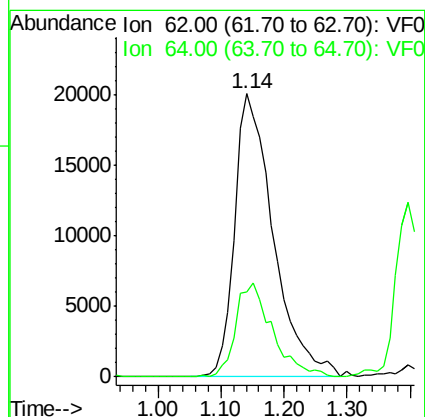
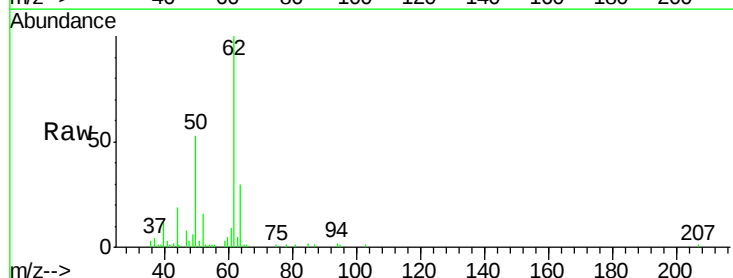
Acq: 5 Mar 2019 15:12

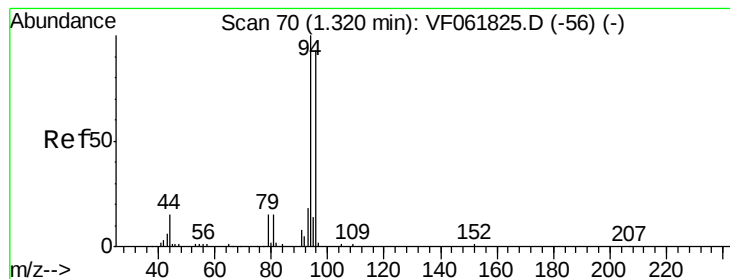
Tgt Ion: 62 Resp: 85321

Ion Ratio Lower Upper

62 100

64 30.2 25.2 37.8





#5

Bromomethane

Concen: 21.499 ug/l

RT: 1.33 min Scan# 71

Delta R.T. 0.01 min

Lab File: VF061845.D

Acq: 5 Mar 2019 15:12

Instrument :

MSVOA_F

ClientSampleId :

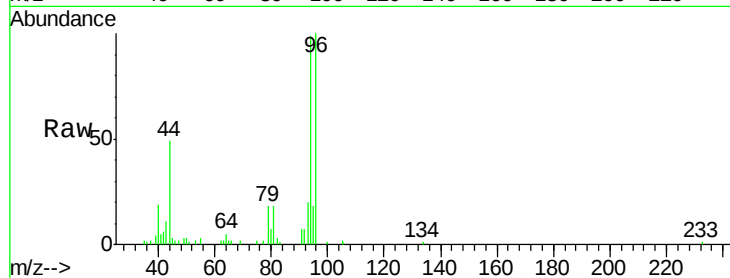
VF0305SBS01

Tot Ion: 94 Resp: 50377

Ion Ratio Lower Upper

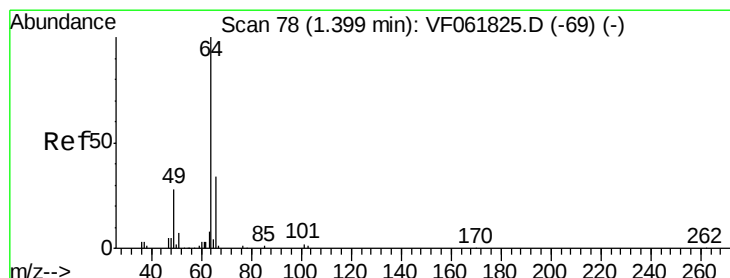
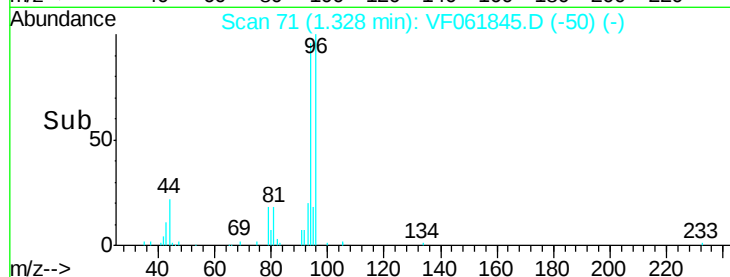
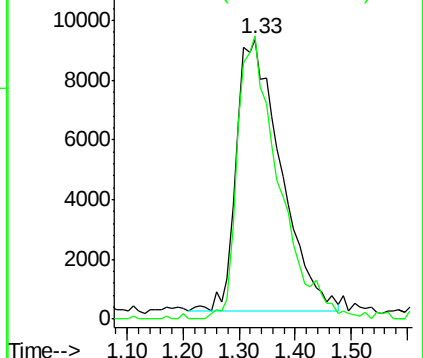
94 100

96 101.1 75.2 112.8



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 24.094 ug/l

RT: 1.40 min Scan# 78

Delta R.T. -0.00 min

Lab File: VF061845.D

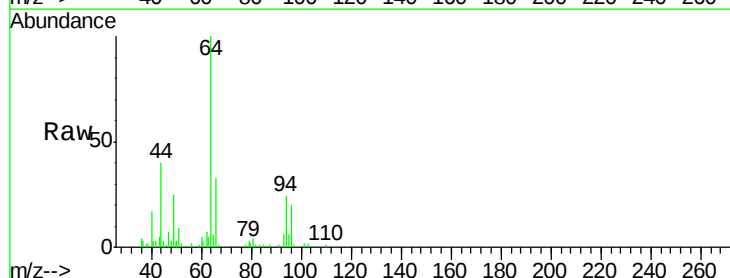
Acq: 5 Mar 2019 15:12

Tgt Ion: 64 Resp: 39380

Ion Ratio Lower Upper

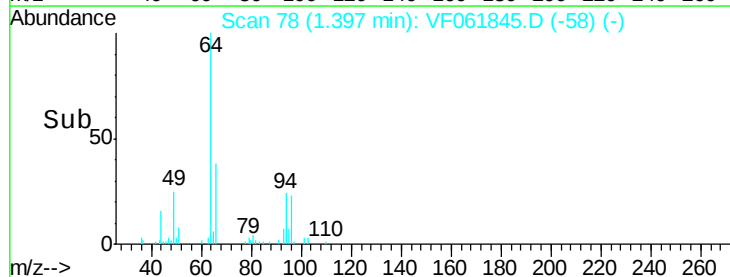
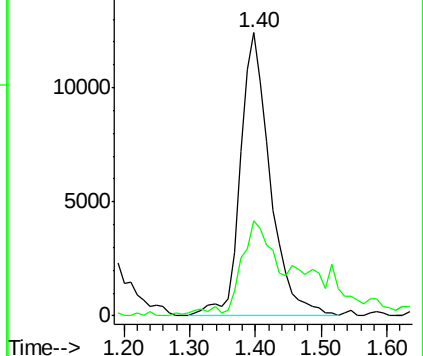
64 100

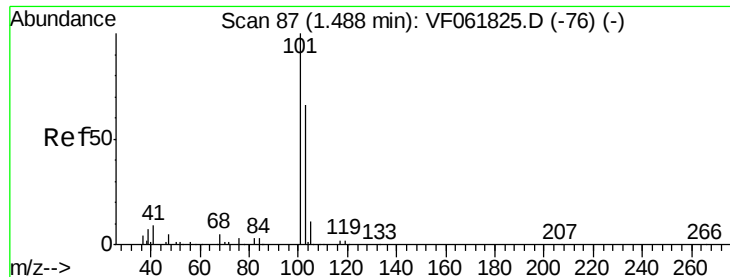
66 33.5 27.0 40.4



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

Trichlorofluoromethane

Concen: 18.040 ug/l

RT: 1.49 min Scan# 87

Delta R.T. -0.00 min

Lab File: VF061845.D

Acq: 5 Mar 2019 15:12

Instrument :

MSVOA_F

ClientSampleId :

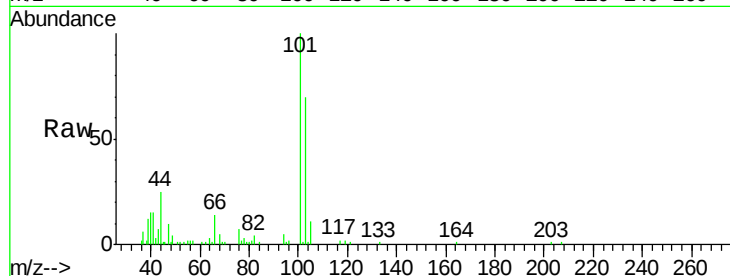
VF0305SBS01

Tot Ion:101 Resp: 75755

Ion Ratio Lower Upper

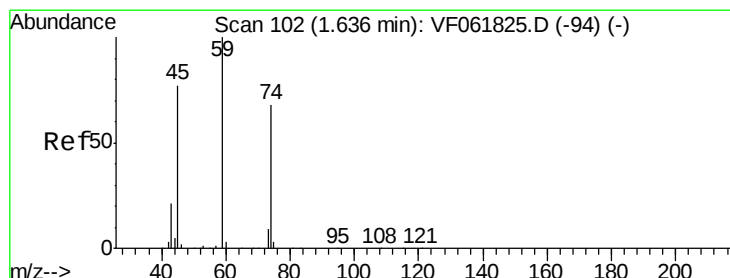
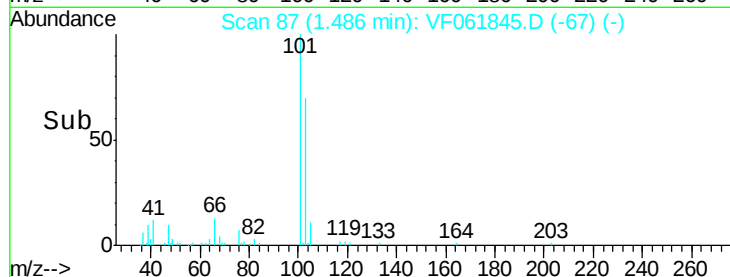
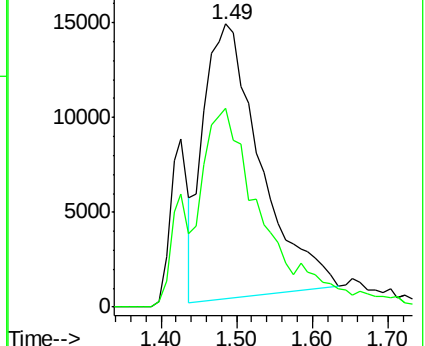
101 100

103 70.1 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: 21.925 ug/l

RT: 1.63 min Scan# 102

Delta R.T. -0.00 min

Lab File: VF061845.D

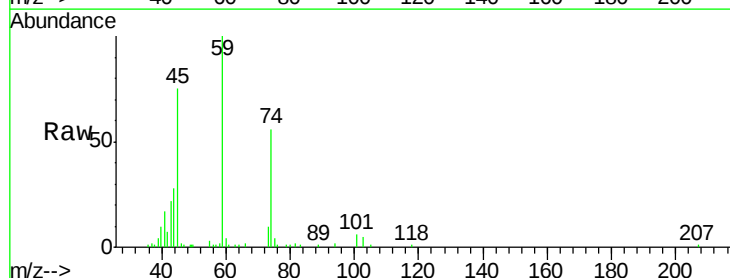
Acq: 5 Mar 2019 15:12

Tgt Ion: 74 Resp: 20937

Ion Ratio Lower Upper

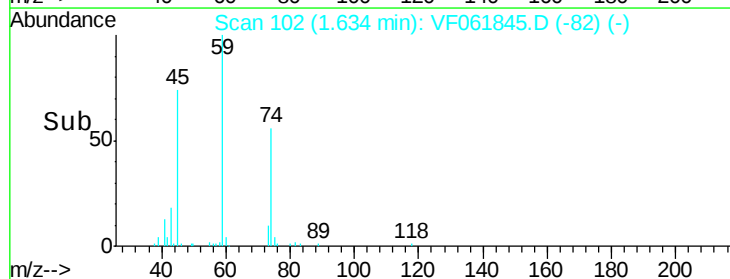
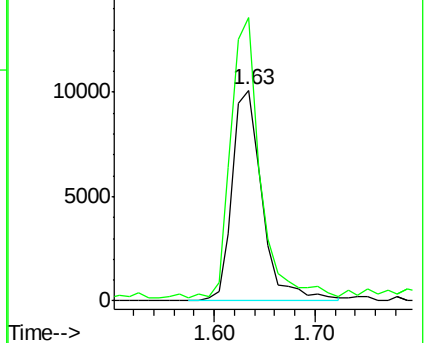
74 100

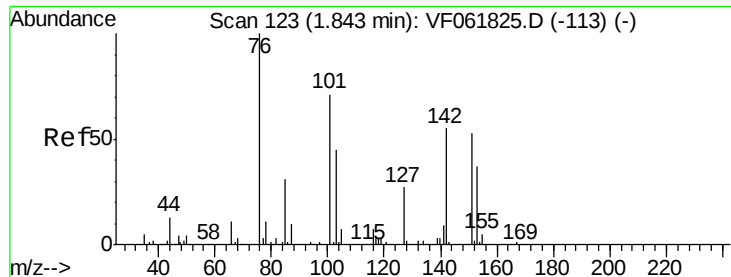
45 134.3 57.2 171.6



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: 22.962 ug/l

RT: 1.84 min Scan# 123

Delta R.T. -0.00 min

Lab File: VF061845.D

Acq: 5 Mar 2019 15:12

Instrument :

MSVOA_F

ClientSampleId :

VF0305SBS01

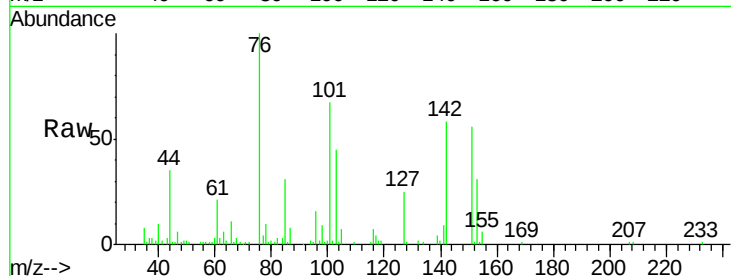
Tot Ion:101 Resp: 65482

Ion Ratio Lower Upper

101 100

85 45.8 34.0 51.0

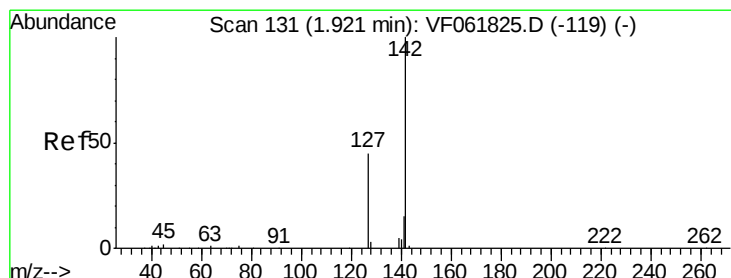
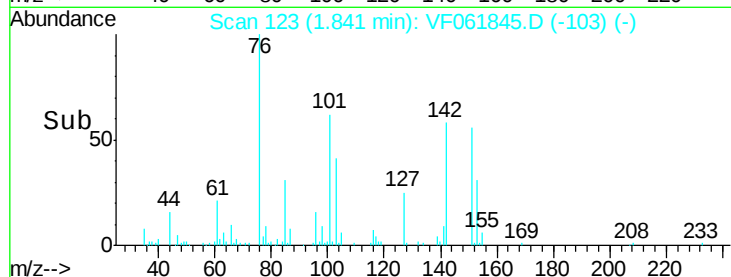
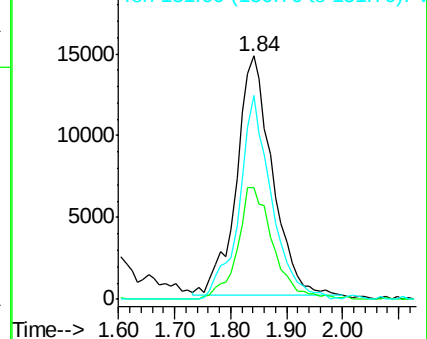
151 83.5 57.3 85.9



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: 17.851 ug/l

RT: 1.91 min Scan# 130

Delta R.T. -0.01 min

Lab File: VF061845.D

Acq: 5 Mar 2019 15:12

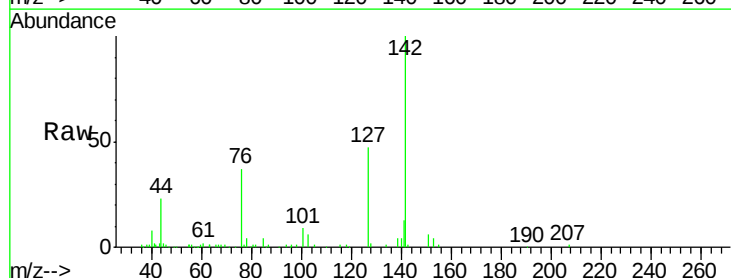
Tgt Ion:142 Resp: 96874

Ion Ratio Lower Upper

142 100

127 46.6 35.8 53.6

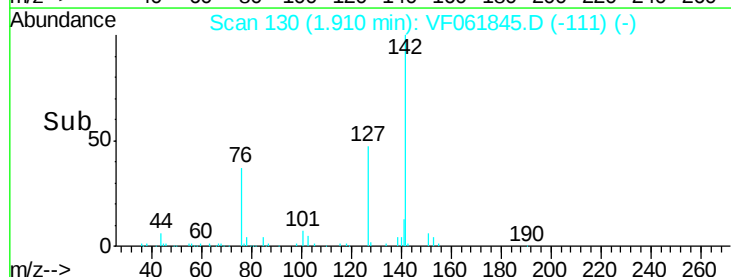
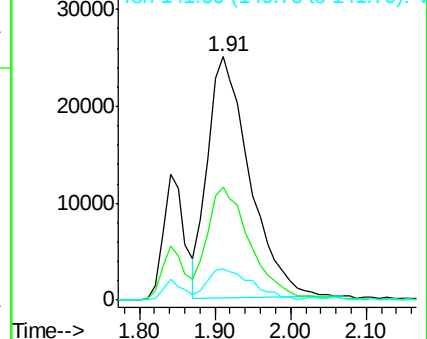
141 12.9 11.7 17.5

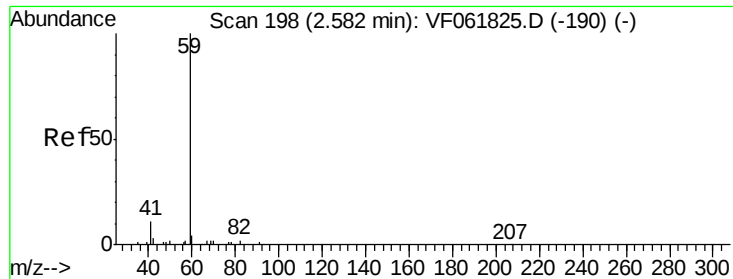


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

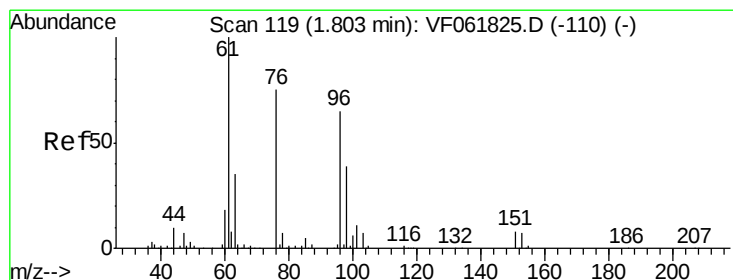
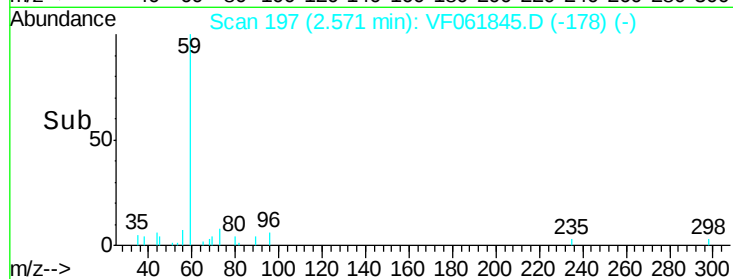
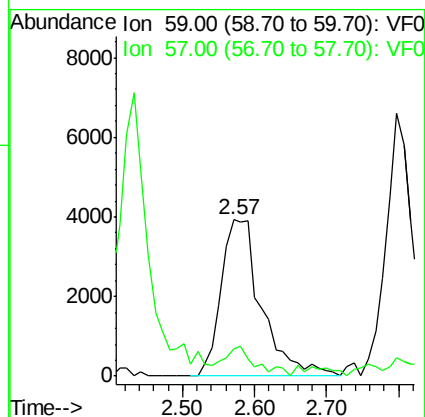
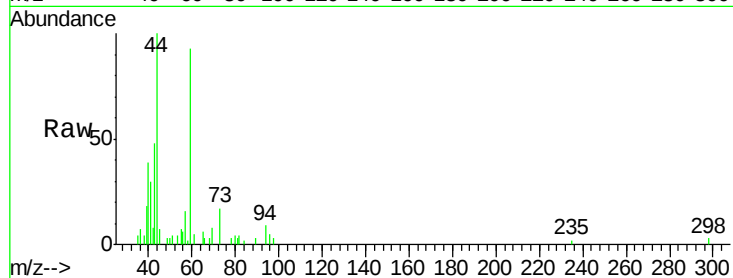




#11
Tert butyl alcohol
Concen: 121.260 ug/l
RT: 2.57 min Scan# 197
Delta R.T. -0.01 min
Lab File: VF061845.D
Acq: 5 Mar 2019 15:12

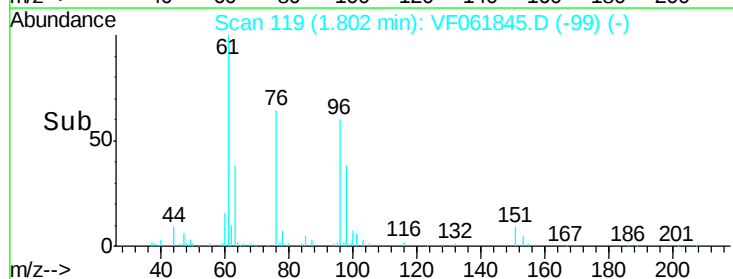
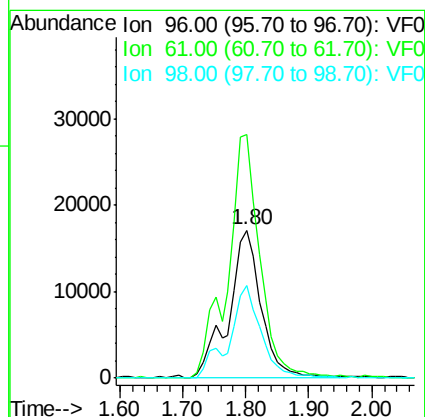
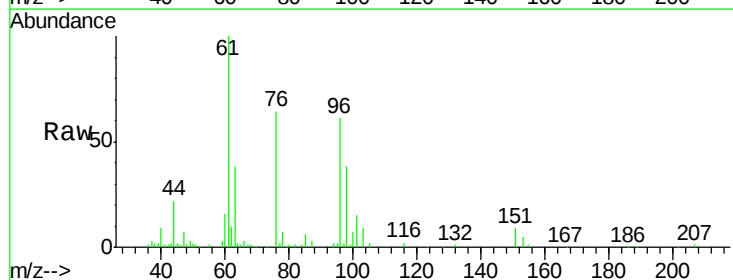
Instrument :
MSVOA_F
ClientSampleId :
VF0305SBS01

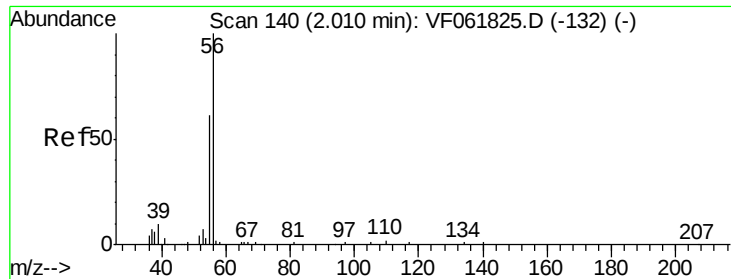
Tot Ion: 59 Resp: 15258
Ion Ratio Lower Upper
59 100
57 17.4 11.8 17.6



#12
1,1-Dichloroethene
Concen: 23.516 ug/l
RT: 1.80 min Scan# 119
Delta R.T. -0.00 min
Lab File: VF061845.D
Acq: 5 Mar 2019 15:12

Tgt Ion: 96 Resp: 61223
Ion Ratio Lower Upper
96 100
61 164.9 122.5 183.7
98 62.4 47.1 70.7

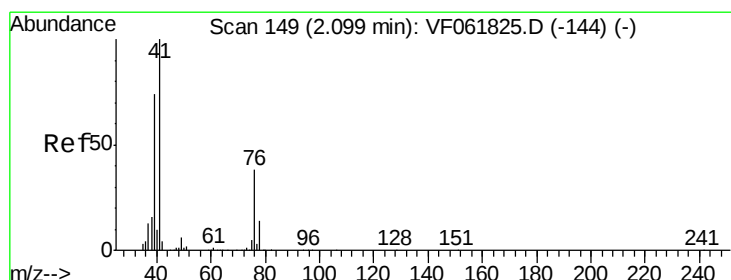
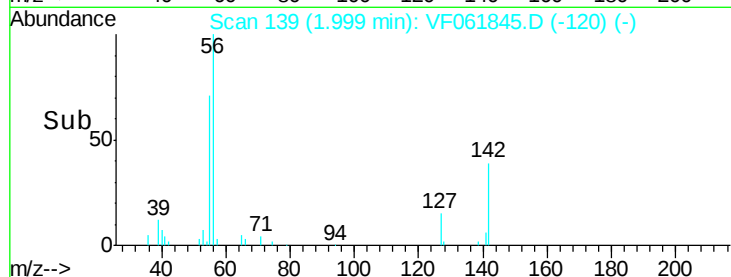
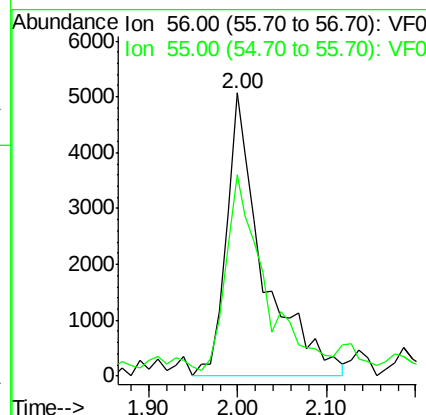
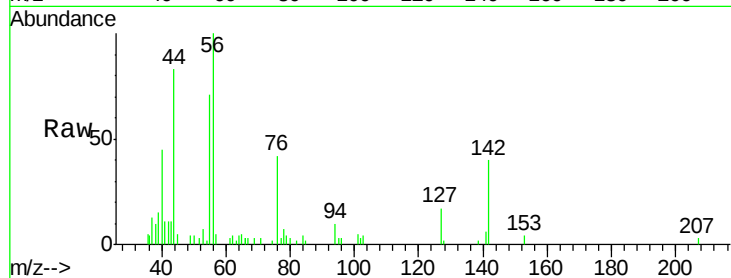




#13
Acrolein
Concen: 91.364 ug/l
RT: 2.00 min Scan# 139
Delta R.T. -0.01 min
Lab File: VF061845.D
Acq: 5 Mar 2019 15:12

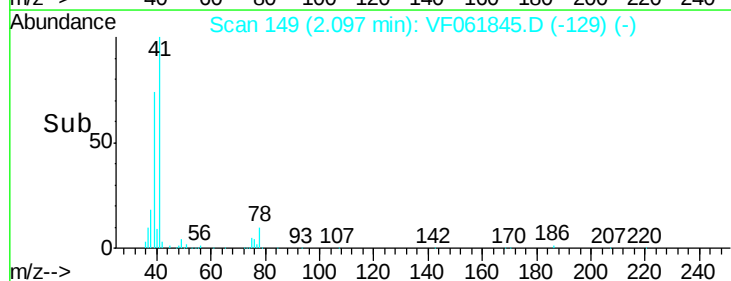
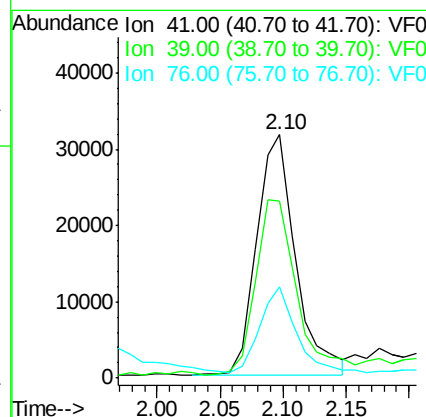
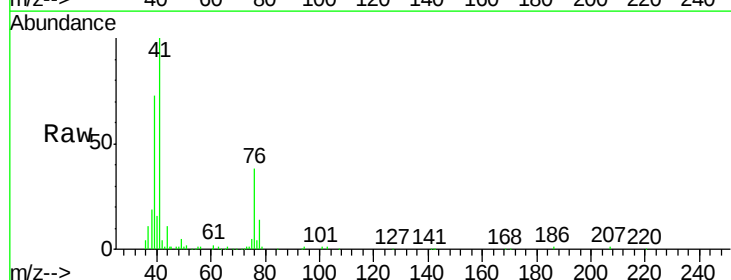
Instrument :
MSVOA_F
ClientSampleId :
VF0305SBS01

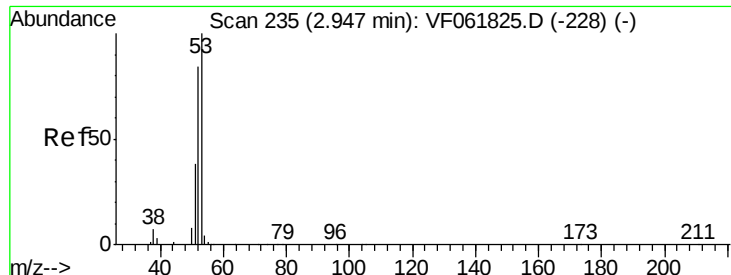
Tot Ion: 56 Resp: 14567
Ion Ratio Lower Upper
56 100
55 71.3 51.3 76.9



#14
Allyl chloride
Concen: 23.656 ug/l
RT: 2.10 min Scan# 149
Delta R.T. -0.00 min
Lab File: VF061845.D
Acq: 5 Mar 2019 15:12

Tgt Ion: 41 Resp: 67850
Ion Ratio Lower Upper
41 100
39 72.6 59.6 89.4
76 37.5 32.3 48.5





#15

Acrylonitrile

Concen: 112.960 ug/l

RT: 2.95 min Scan# 235

Delta R.T. -0.00 min

Lab File: VF061845.D

Acq: 5 Mar 2019 15:12

Instrument :

MSVOA_F

ClientSampleId :

VF0305SBS01

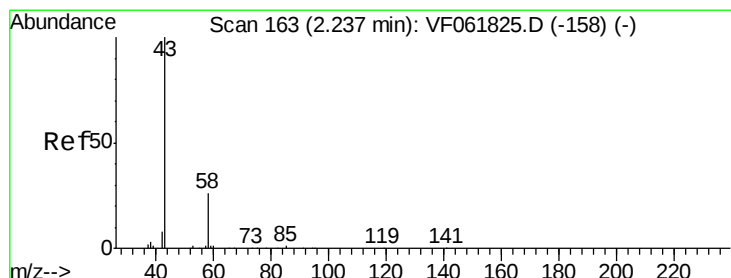
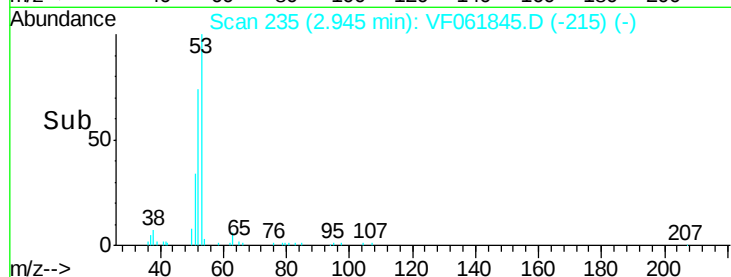
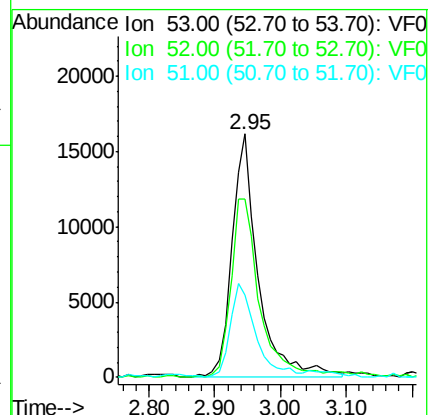
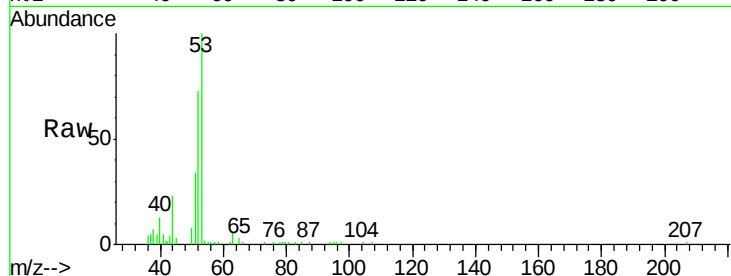
Tot Ion: 53 Resp: 45260

Ion Ratio Lower Upper

53 100

52 73.4 67.4 101.0

51 33.7 30.7 46.1



#16

Acetone

Concen: 128.875 ug/l

RT: 2.25 min Scan# 164

Delta R.T. 0.01 min

Lab File: VF061845.D

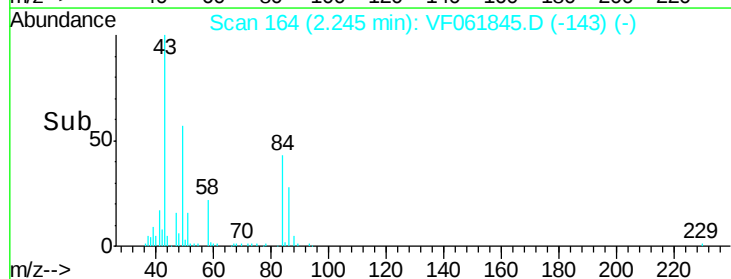
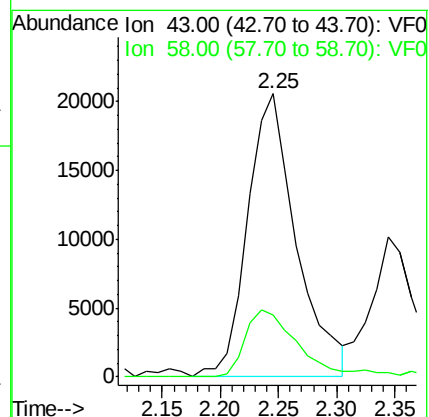
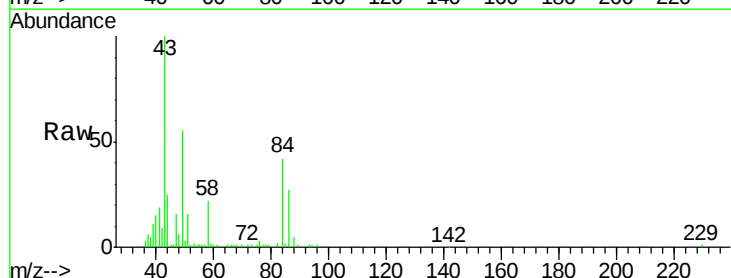
Acq: 5 Mar 2019 15:12

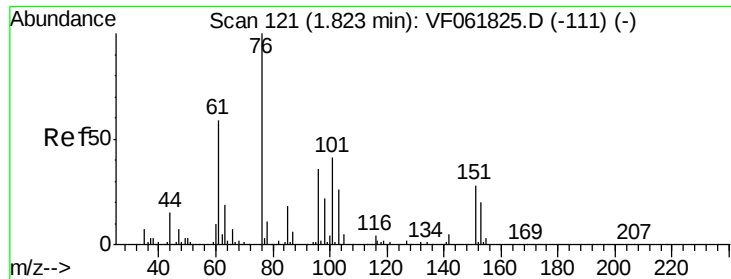
Tgt Ion: 43 Resp: 59846

Ion Ratio Lower Upper

43 100

58 22.1 20.3 30.5

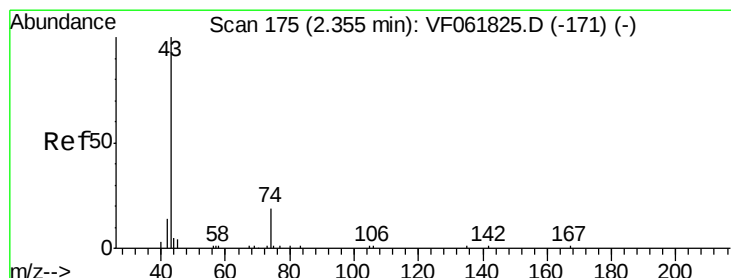
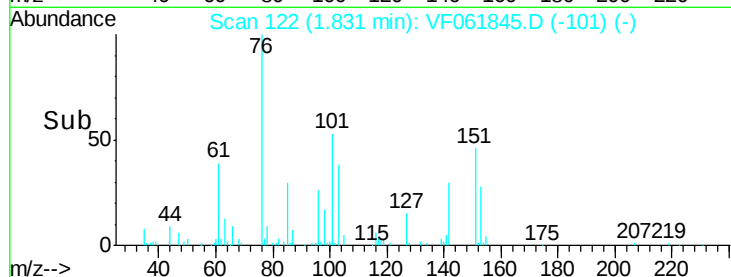
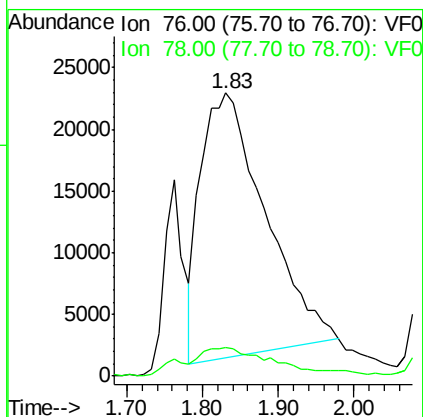
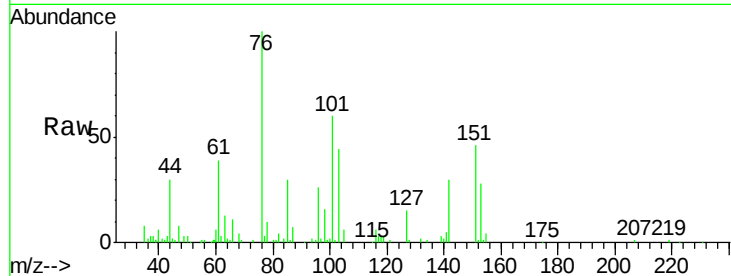




#17
Carbon Disulfide
Concen: 15.706 ug/l
RT: 1.83 min Scan# 122
Delta R.T. 0.01 min
Lab File: VF061845.D
Acq: 5 Mar 2019 15:12

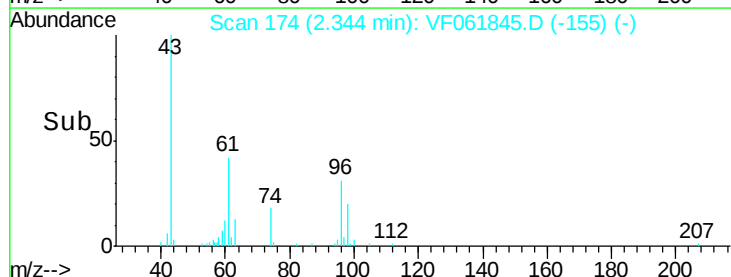
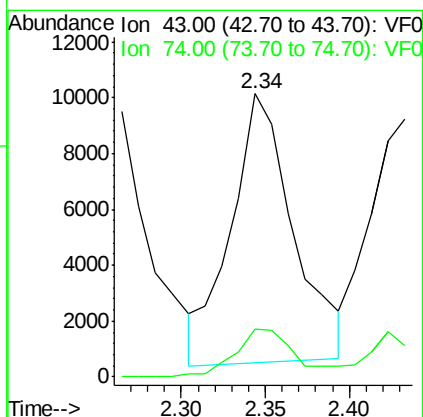
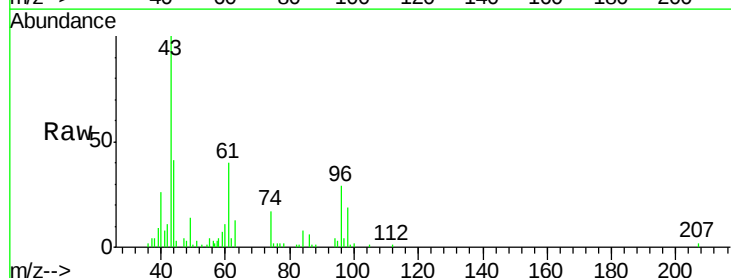
Instrument :
MSVOA_F
ClientSampleId :
VF0305SBS01

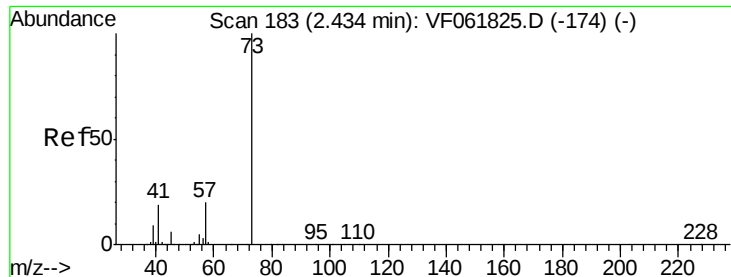
Tot Ion: 76 Resp: 127279
Ion Ratio Lower Upper
76 100
78 9.9 9.1 13.7



#18
Methyl Acetate
Concen: 27.326 ug/l
RT: 2.34 min Scan# 174
Delta R.T. -0.01 min
Lab File: VF061845.D
Acq: 5 Mar 2019 15:12

Tgt Ion: 43 Resp: 24842
Ion Ratio Lower Upper
43 100
74 16.8 13.2 19.8

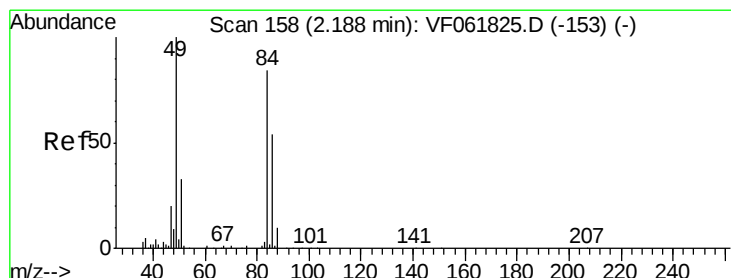
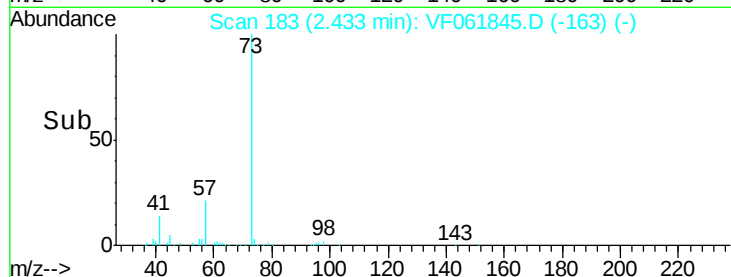
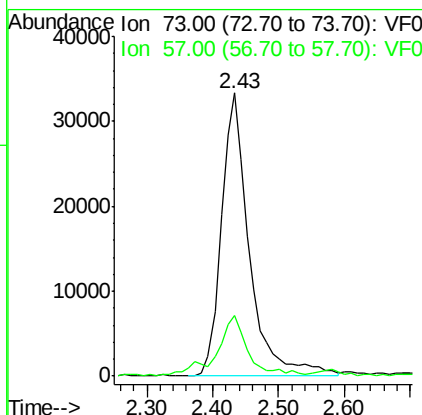
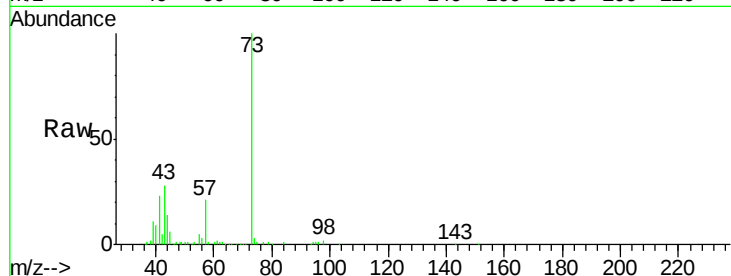




#19
Methvl tert-butvl Ether
Concen: 22.410 ug/l
RT: 2.43 min Scan# 183
Delta R.T. -0.00 min
Lab File: VF061845.D
Acq: 5 Mar 2019 15:12

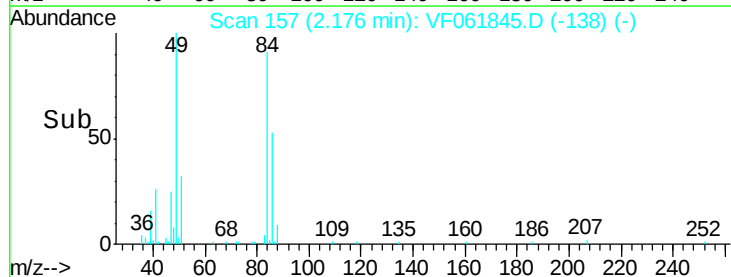
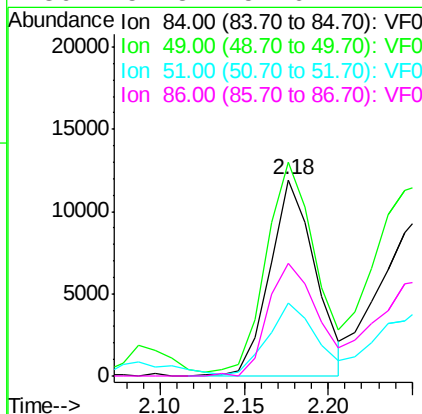
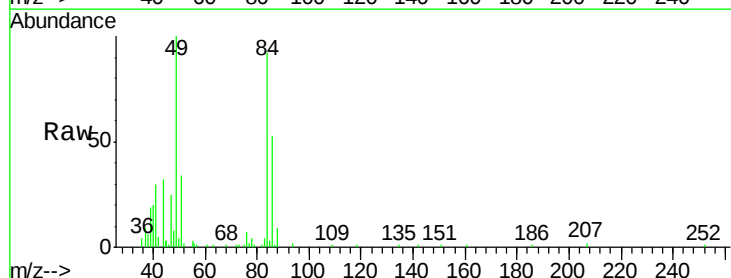
Instrument :
MSVOA_F
ClientSampleId :
VF0305SBS01

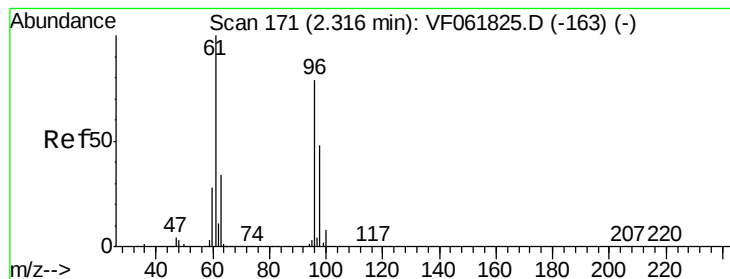
Tot Ion: 73 Resp: 98697
Ion Ratio Lower Upper
73 100
57 21.3 16.1 24.1



#20
Methylene Chloride
Concen: 3.847 ug/l
RT: 2.18 min Scan# 157
Delta R.T. -0.01 min
Lab File: VF061845.D
Acq: 5 Mar 2019 15:12

Tgt Ion: 84 Resp: 22463
Ion Ratio Lower Upper
84 100
49 109.0 96.8 145.2
51 37.0 31.8 47.6
86 57.8 51.6 77.4





#21

trans-1,2-Dichloroethene

Concen: 22.501 ug/l

RT: 2.30 min Scan# 170

Delta R.T. -0.01 min

Lab File: VF061845.D

Acq: 5 Mar 2019 15:12

Instrument :

MSVOA_F

ClientSampleId :

VF0305SBS01

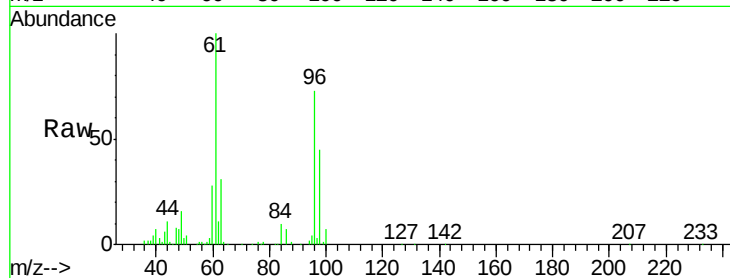
Tot Ion: 96 Resp: 55133

Ion Ratio Lower Upper

96 100

61 137.2 101.0 151.6

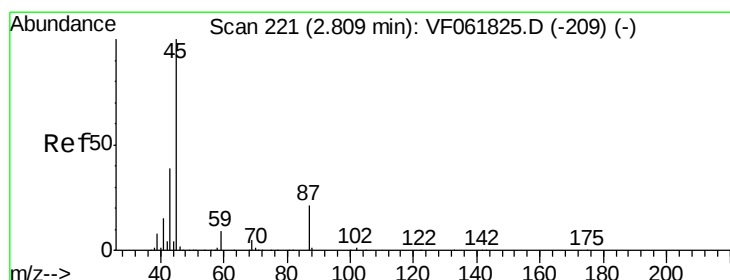
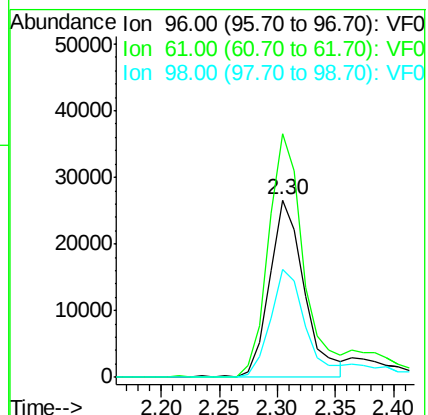
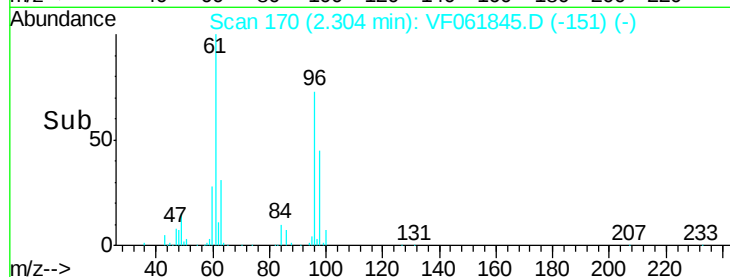
98 61.2 48.8 73.2



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#22

Diisopropyl ether

Concen: 22.863 ug/l

RT: 2.80 min Scan# 220

Delta R.T. -0.01 min

Lab File: VF061845.D

Acq: 5 Mar 2019 15:12

Tgt Ion: 45 Resp: 170574

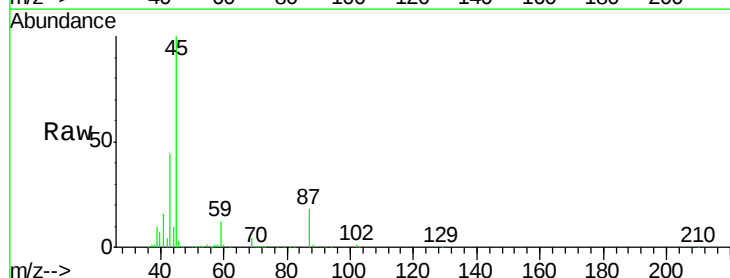
Ion Ratio Lower Upper

45 100

43 43.8 31.8 47.8

87 17.7 17.1 25.7

59 11.5 7.8 11.6

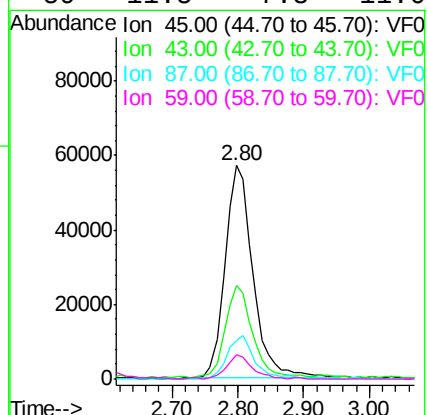
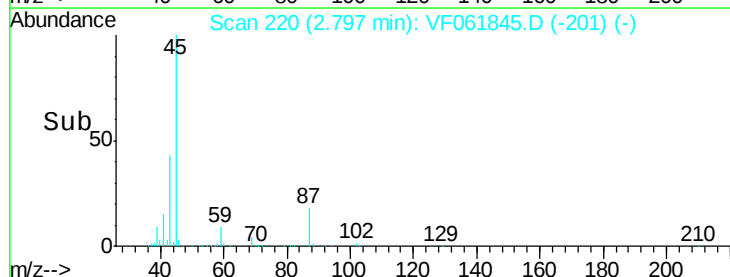


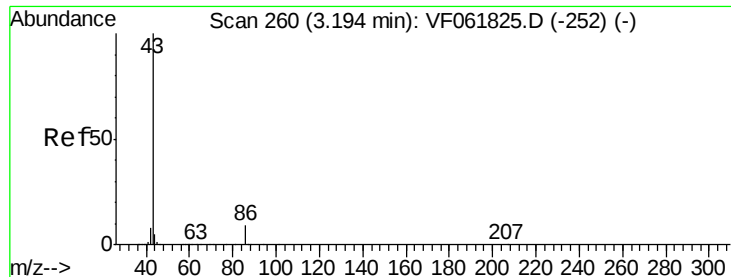
Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 113.235 ug/l

RT: 3.18 min Scan# 259

Delta R.T. -0.01 min

Lab File: VF061845.D

Acq: 5 Mar 2019 15:12

Instrument :

MSVOA_F

ClientSampleId :

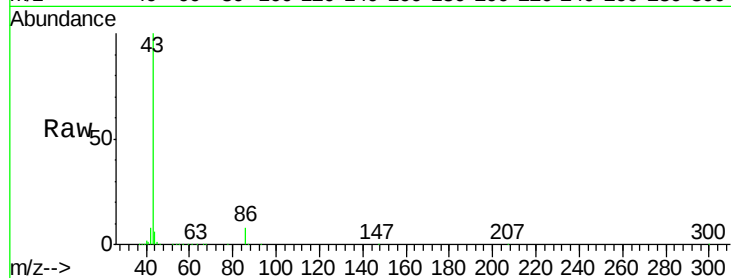
VF0305SBS01

Tot Ion: 43 Resp: 377415

Ion Ratio Lower Upper

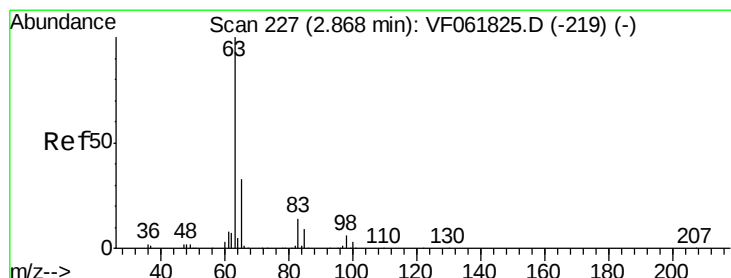
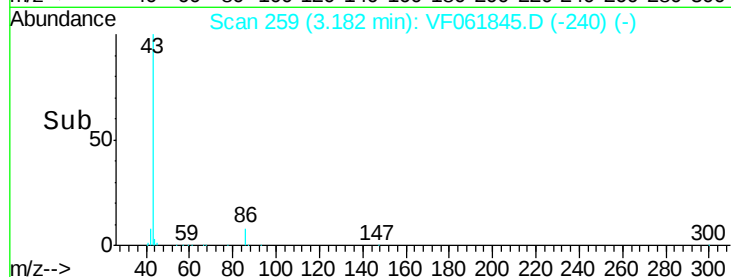
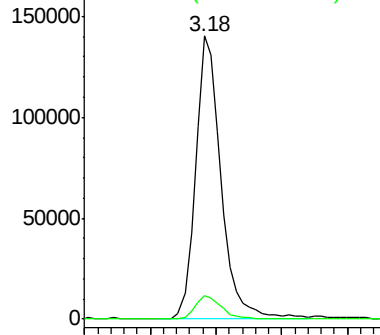
43 100

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



#24

1,1-Dichloroethane

Concen: 23.372 ug/l

RT: 2.87 min Scan# 227

Delta R.T. -0.00 min

Lab File: VF061845.D

Acq: 5 Mar 2019 15:12

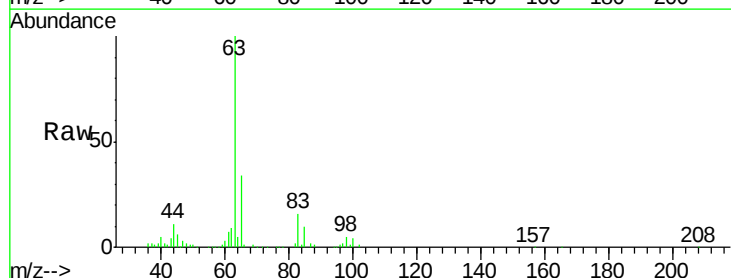
Tgt Ion: 63 Resp: 104227

Ion Ratio Lower Upper

63 100

98 5.3 2.9 8.6

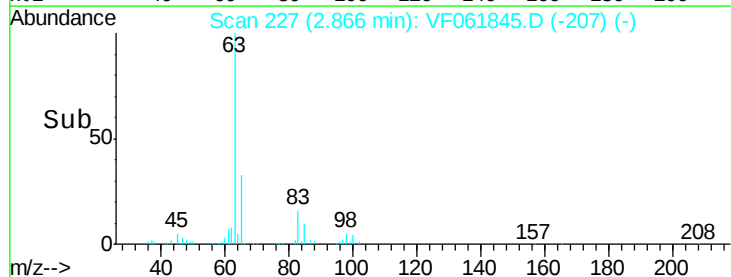
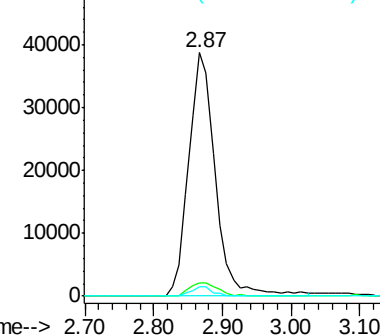
100 4.0 1.8 5.3

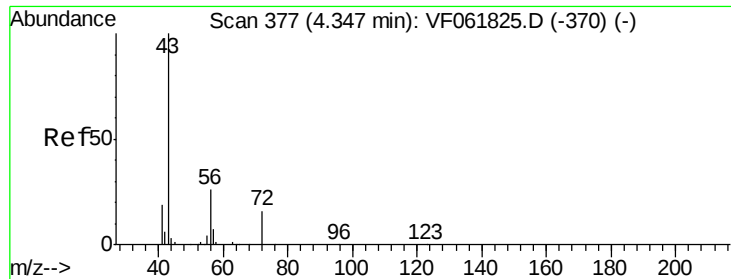


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 118.435 ug/l

RT: 4.34 min Scan# 376

Delta R.T. -0.01 min

Lab File: VF061845.D

Acq: 5 Mar 2019 15:12

Instrument :

MSVOA_F

ClientSampleId :

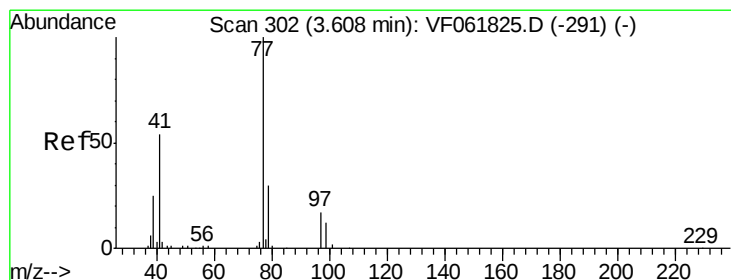
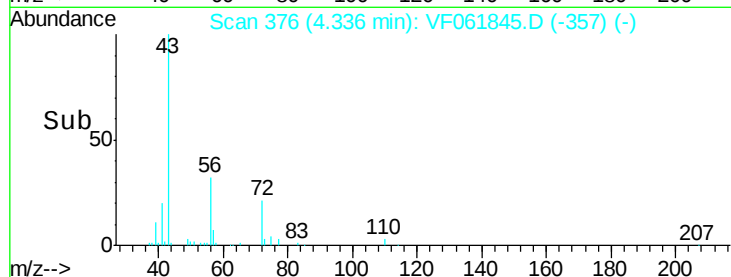
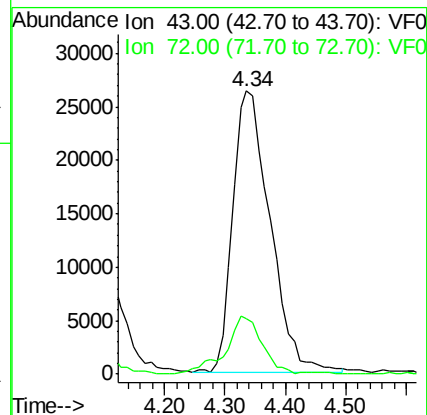
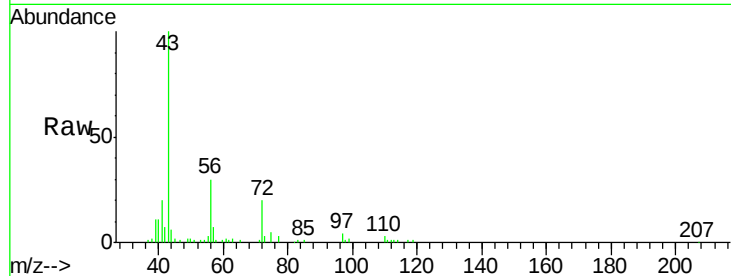
VF0305SBS01

Tot Ion: 43 Resp: 111871

Ion Ratio Lower Upper

43 100

72 19.7 16.2 24.4



#26

2,2-Dichloropropane

Concen: 22.283 ug/l

RT: 3.59 min Scan# 300

Delta R.T. -0.02 min

Lab File: VF061845.D

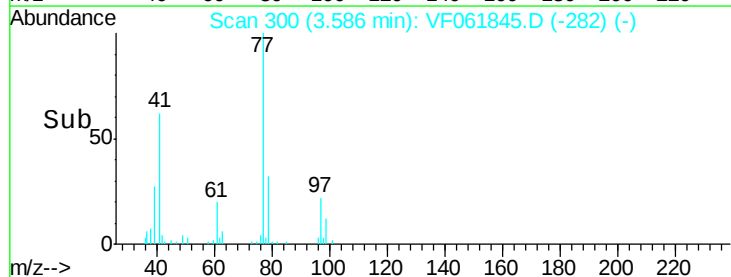
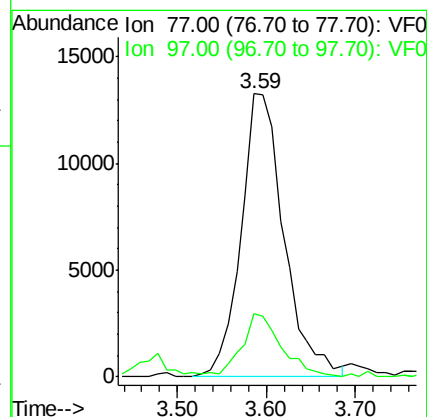
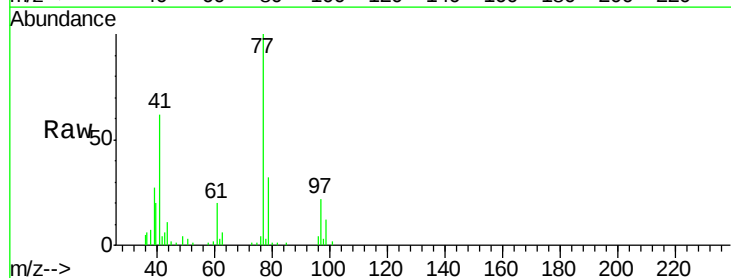
Acq: 5 Mar 2019 15:12

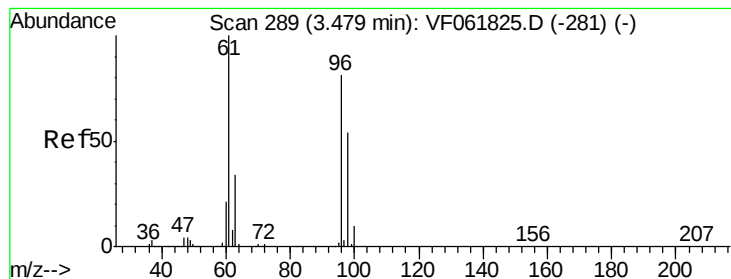
Tgt Ion: 77 Resp: 44359

Ion Ratio Lower Upper

77 100

97 22.2 10.4 31.4



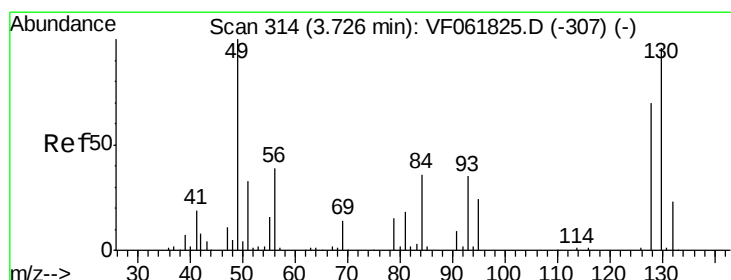
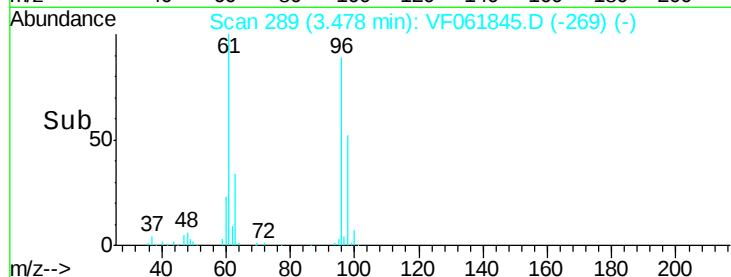
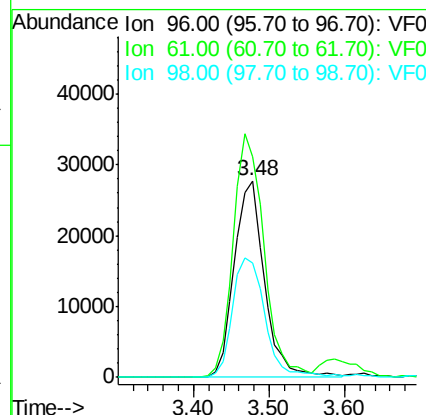
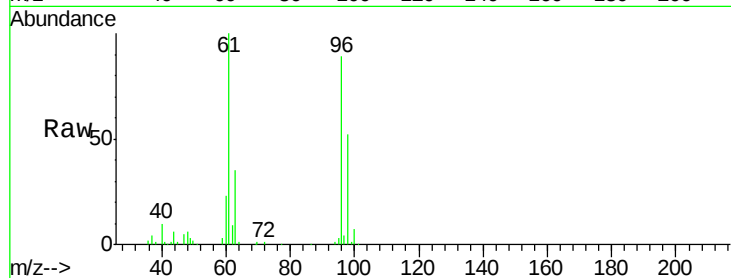


#27

cis-1,2-Dichloroethene
 Concen: 22.634 ug/l
 RT: 3.48 min Scan# 289
 Delta R.T. -0.00 min
 Lab File: VF061845.D
 Acq: 5 Mar 2019 15:12

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0305SBS01

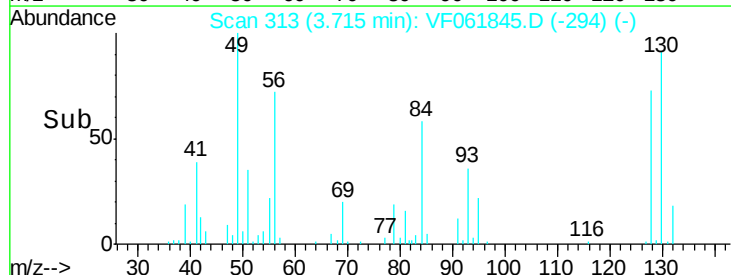
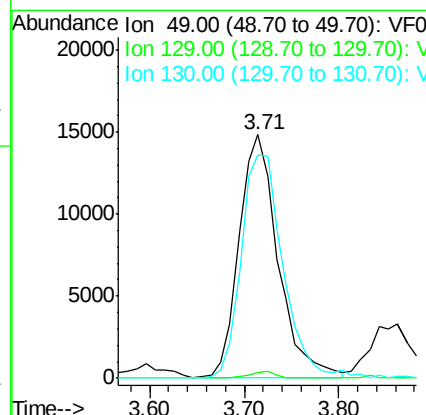
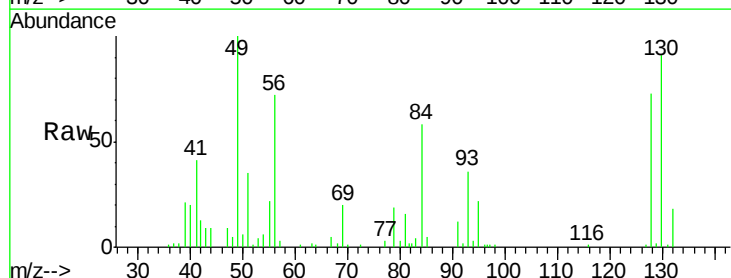
Tot Ion: 96 Resp: 76835
 Ion Ratio Lower Upper
 96 100
 61 112.5 0.0 245.8
 98 58.4 0.0 132.6

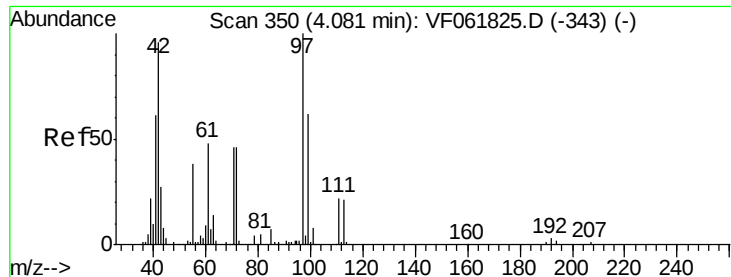


#28

Bromochloromethane
 Concen: 21.932 ug/l
 RT: 3.71 min Scan# 313
 Delta R.T. -0.01 min
 Lab File: VF061845.D
 Acq: 5 Mar 2019 15:12

Tgt Ion: 49 Resp: 42633
 Ion Ratio Lower Upper
 49 100
 129 2.2 0.0 0.0#
 130 91.4 76.9 115.3

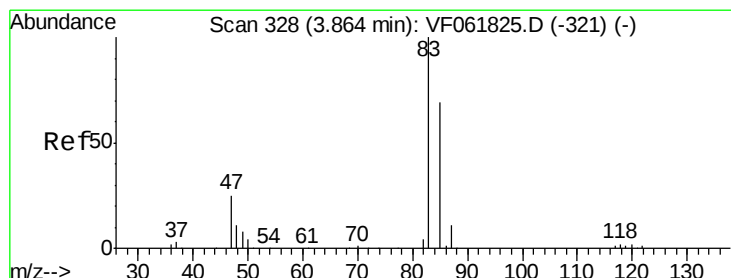
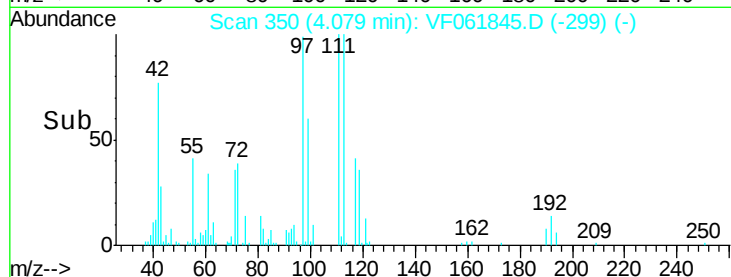
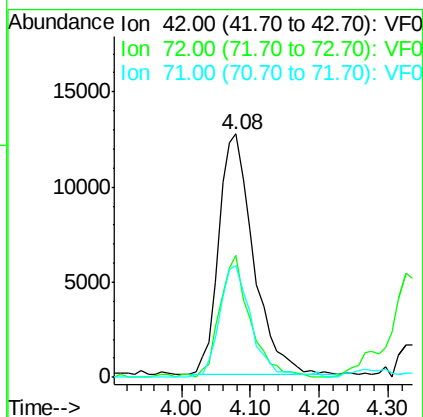
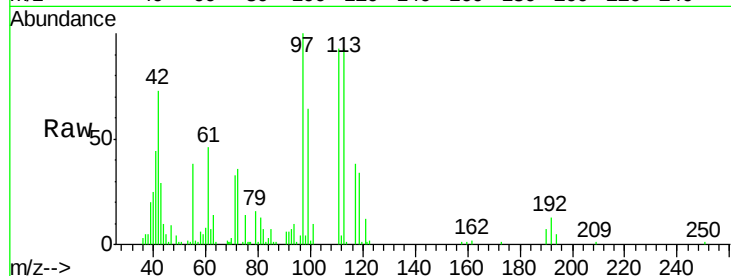




#29
Tetrahydrofuran
Concen: 108.847 ug/l
RT: 4.08 min Scan# 350
Delta R.T. -0.00 min
Lab File: VF061845.D
Acq: 5 Mar 2019 15:12

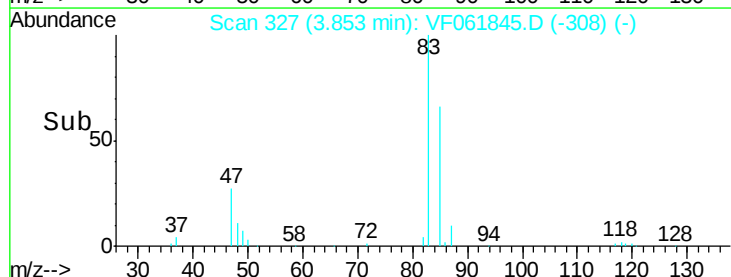
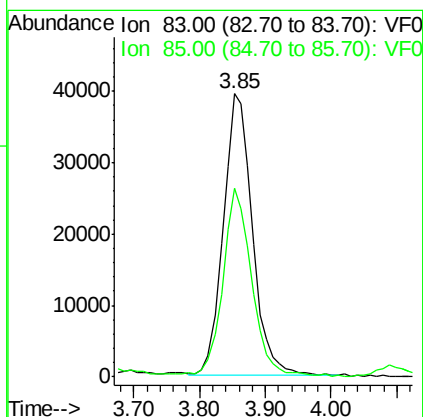
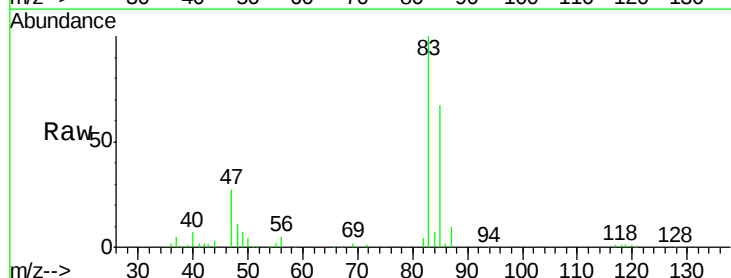
Instrument :
MSVOA_F
ClientSampleId :
VF0305SBS01

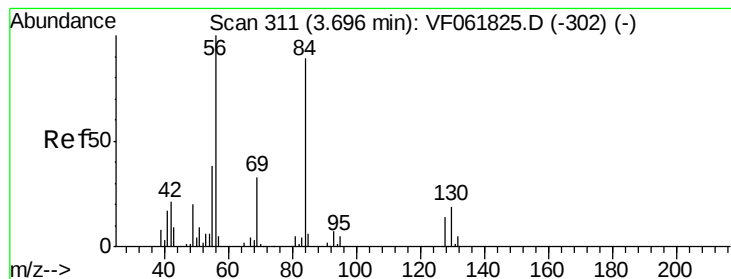
Tot Ion: 42 Resp: 44341
Ion Ratio Lower Upper
42 100
72 43.9 34.4 51.6
71 42.1 34.6 52.0



#30
Chloroform
Concen: 23.953 ug/l
RT: 3.85 min Scan# 327
Delta R.T. -0.01 min
Lab File: VF061845.D
Acq: 5 Mar 2019 15:12

Tgt Ion: 83 Resp: 122006
Ion Ratio Lower Upper
83 100
85 66.6 55.3 82.9





#31

Cyclohexane

Concen: 13.841 ug/l

RT: 3.68 min Scan# 310

Delta R.T. -0.01 min

Lab File: VF061845.D

Acq: 5 Mar 2019 15:12

Instrument :

MSVOA_F

ClientSampleId :

VF0305SBS01

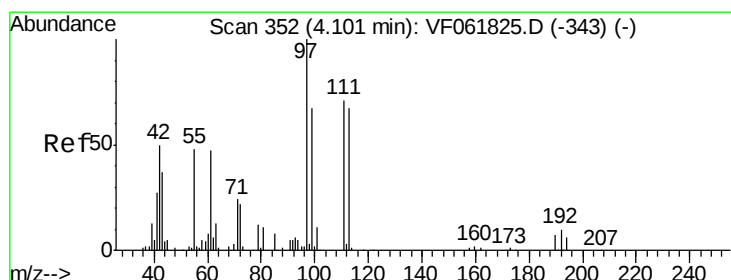
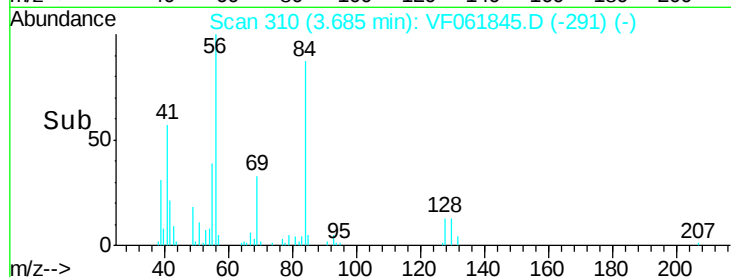
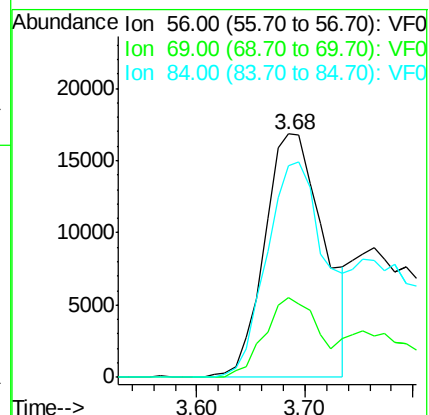
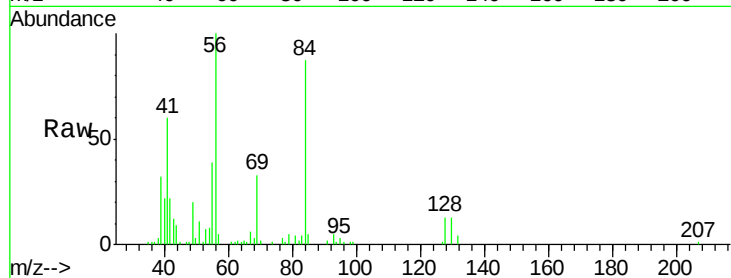
Tot Ion: 56 Resp: 64648

Ion Ratio Lower Upper

56 100

69 32.8 26.0 39.0

84 86.9 71.0 106.6



#32

1,1,1-Trichloroethane

Concen: 22.081 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.01 min

Lab File: VF061845.D

Acq: 5 Mar 2019 15:12

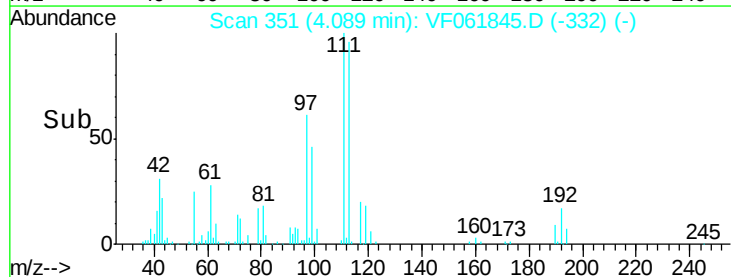
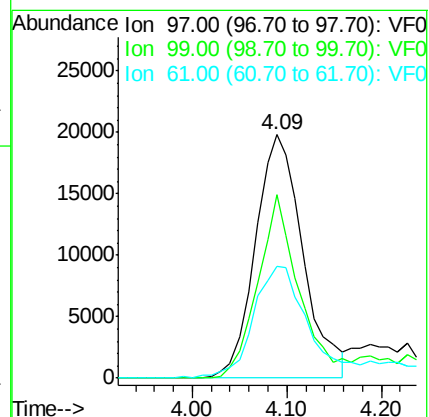
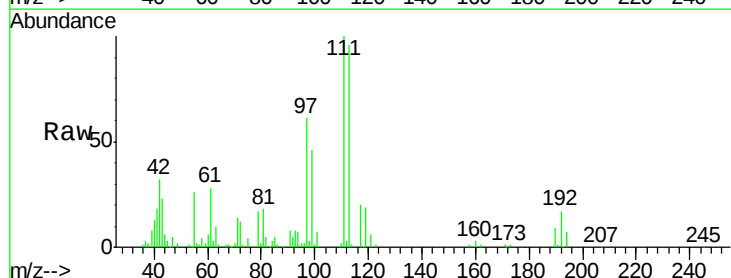
Tgt Ion: 97 Resp: 69328

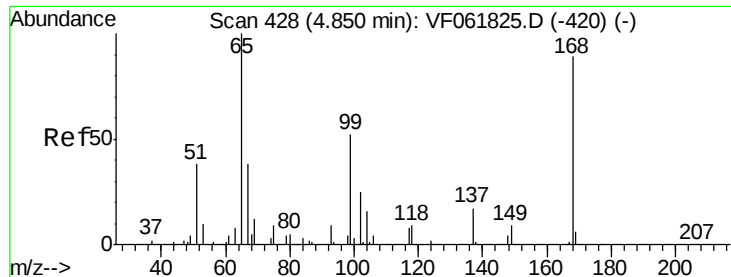
Ion Ratio Lower Upper

97 100

99 75.4 53.8 80.8

61 46.1 37.9 56.9

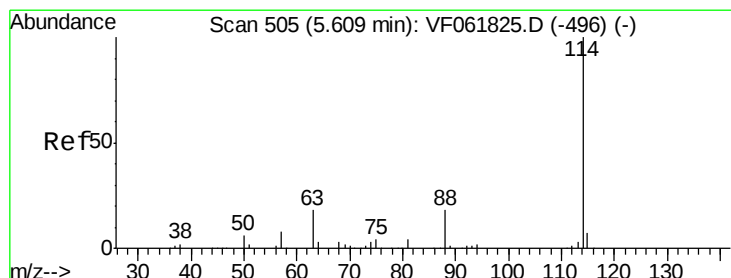
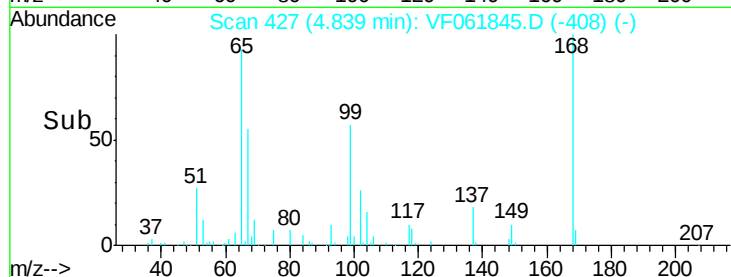
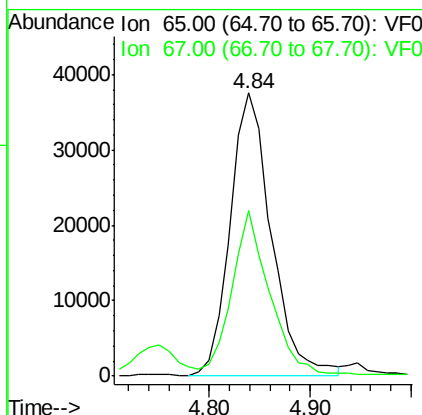
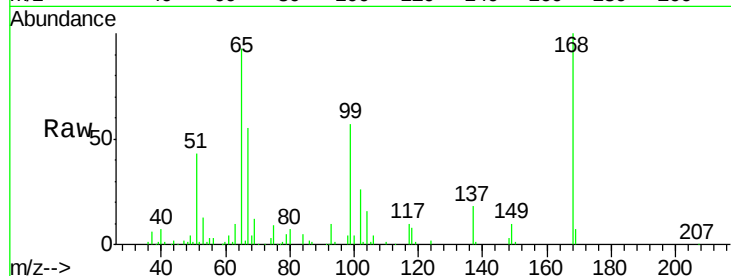




#33
 1,2-Dichloroethane-d4
 Concen: 48.187 ug/l
 RT: 4.84 min Scan# 427
 Delta R.T. -0.01 min
 Lab File: VF061845.D
 Acq: 5 Mar 2019 15:12

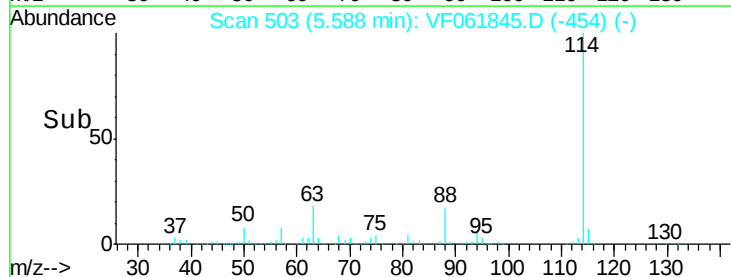
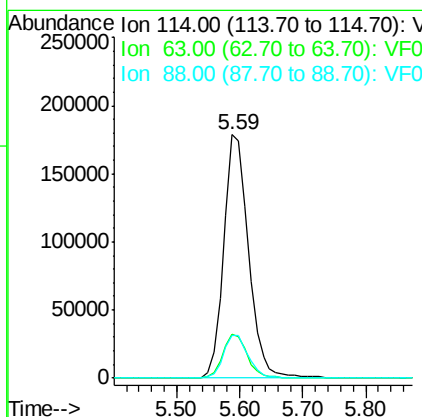
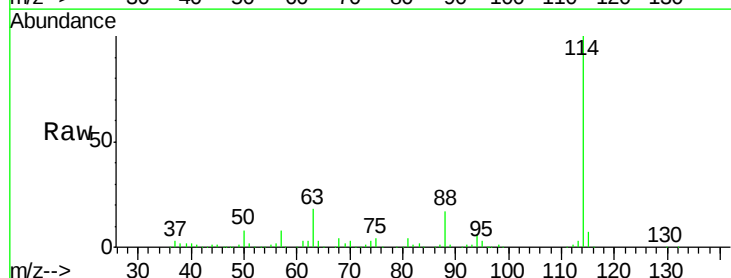
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0305SBS01

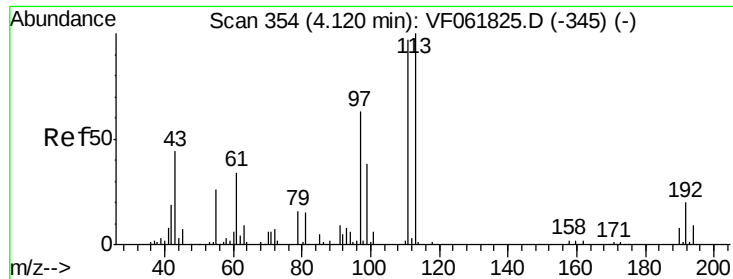
Tot Ion: 65 Resp: 106825
 Ion Ratio Lower Upper
 65 100
 67 58.7 0.0 108.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.59 min Scan# 503
 Delta R.T. -0.02 min
 Lab File: VF061845.D
 Acq: 5 Mar 2019 15:12

Tgt Ion: 114 Resp: 488339
 Ion Ratio Lower Upper
 114 100
 63 18.0 0.0 35.6
 88 17.3 0.0 35.6





#35

Dibromofluoromethane

Concen: 46.400 ug/l

RT: 4.11 min Scan# 353

Delta R.T. -0.01 min

Lab File: VF061845.D

Acq: 5 Mar 2019 15:12

Instrument :

MSVOA_F

ClientSampleId :

VF0305SBS01

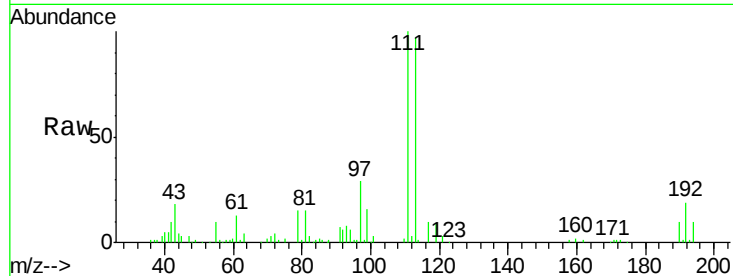
Tot Ion:113 Resp: 158130

Ion Ratio Lower Upper

113 100

111 103.4 77.6 116.4

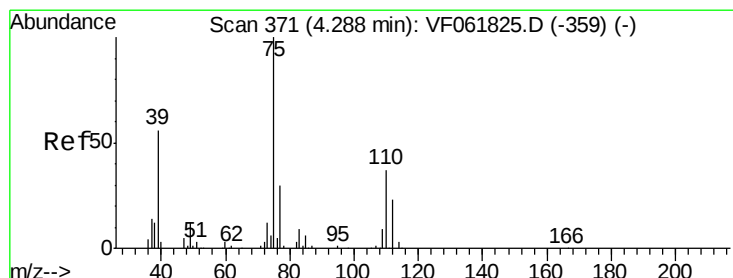
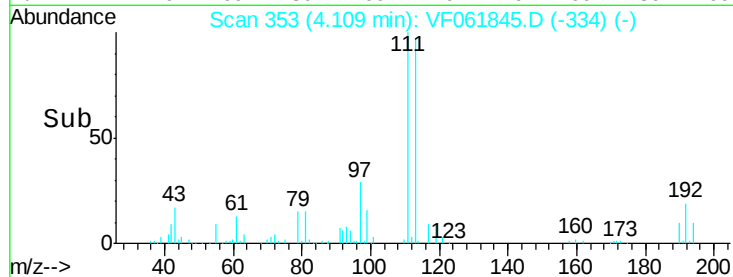
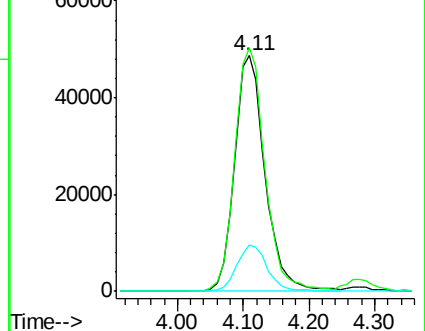
192 19.7 15.9 23.9



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 21.642 ug/l

RT: 4.28 min Scan# 370

Delta R.T. -0.01 min

Lab File: VF061845.D

Acq: 5 Mar 2019 15:12

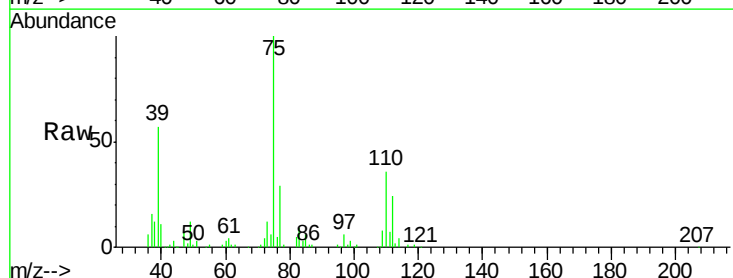
Tgt Ion: 75 Resp: 99832

Ion Ratio Lower Upper

75 100

110 36.2 18.6 55.6

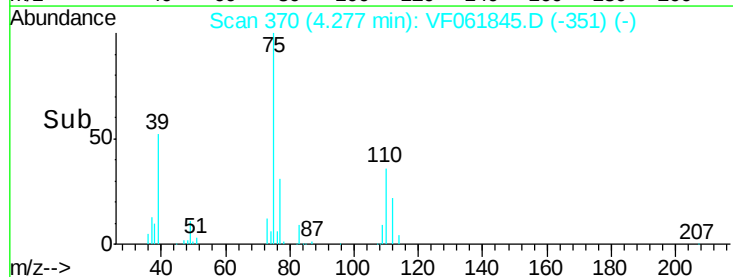
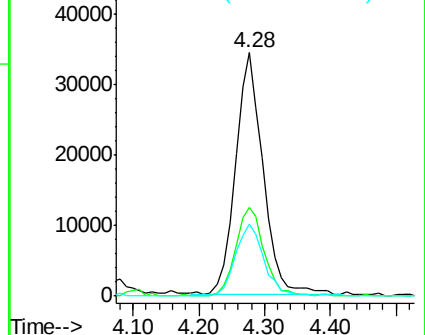
77 29.4 24.2 36.2

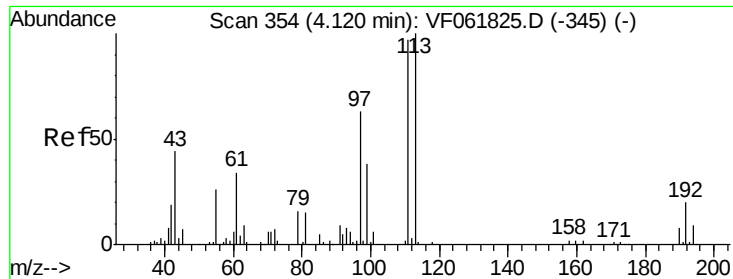


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

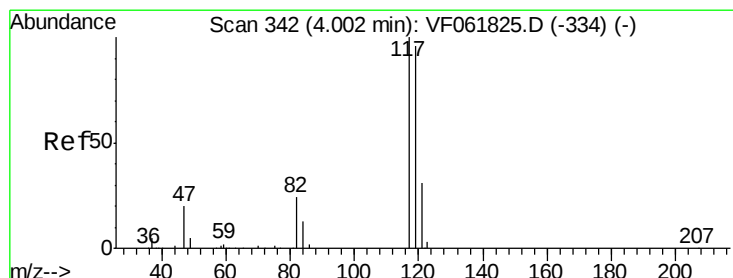
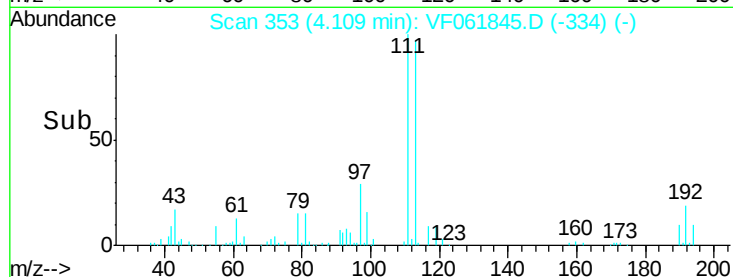
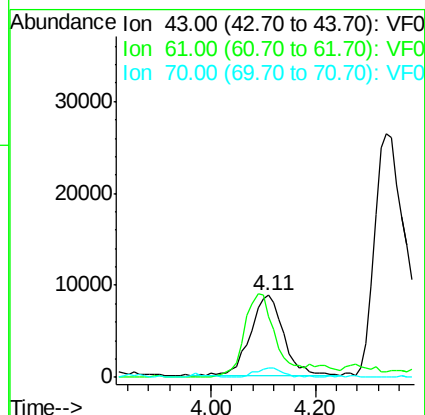
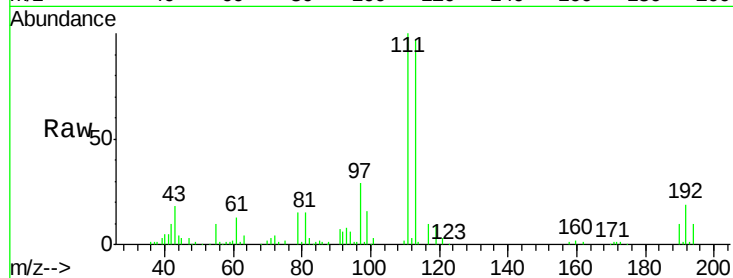




#37
Ethyl Acetate
Concen: 20.147 ug/l
RT: 4.11 min Scan# 353
Delta R.T. -0.01 min
Lab File: VF061845.D
Acq: 5 Mar 2019 15:12

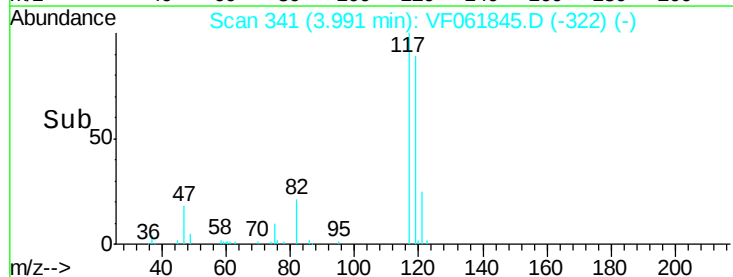
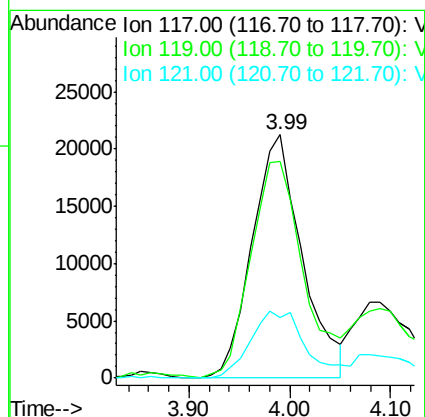
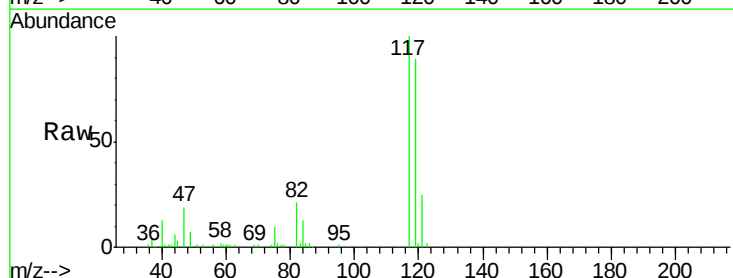
Instrument :
MSVOA_F
ClientSampleId :
VF0305SBS01

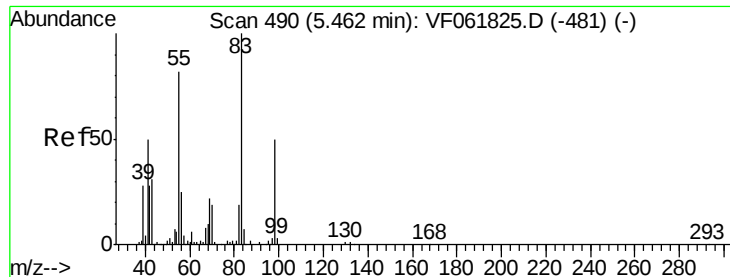
Tot Ion: 43 Resp: 39009
Ion Ratio Lower Upper
43 100
61 74.3 60.7 91.1
70 10.8 10.6 15.8



#38
Carbon Tetrachloride
Concen: 22.435 ug/l
RT: 3.99 min Scan# 341
Delta R.T. -0.01 min
Lab File: VF061845.D
Acq: 5 Mar 2019 15:12

Tgt Ion: 117 Resp: 73261
Ion Ratio Lower Upper
117 100
119 88.9 76.6 114.8
121 24.7 24.4 36.6

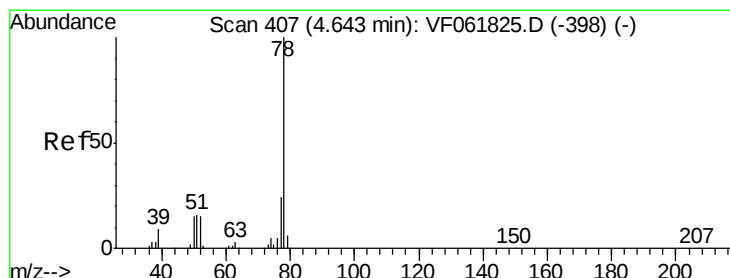
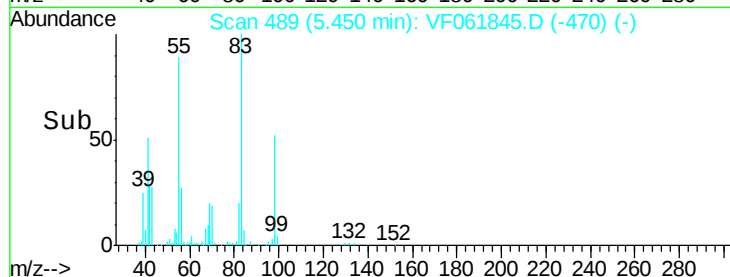
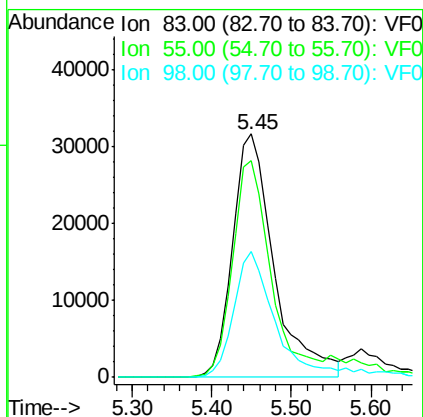
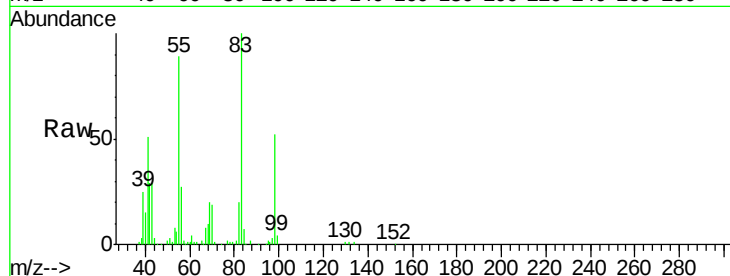




#39
Methylcyclohexane
Concen: 20.948 ug/l
RT: 5.45 min Scan# 489
Delta R.T. -0.01 min
Lab File: VF061845.D
Acq: 5 Mar 2019 15:12

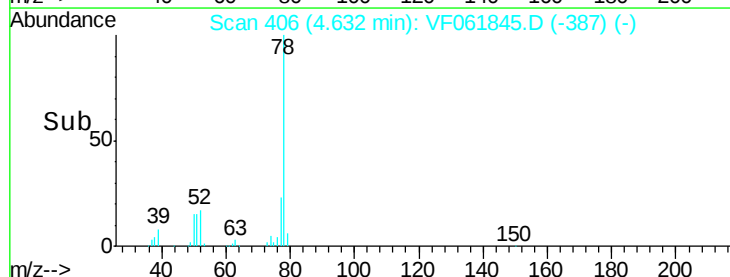
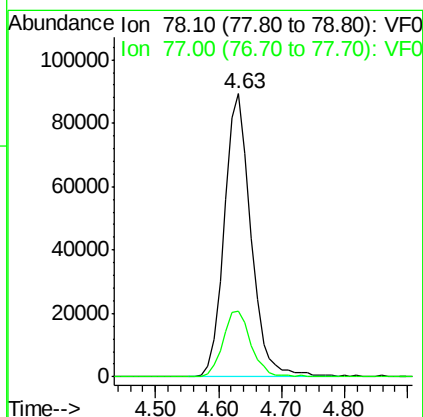
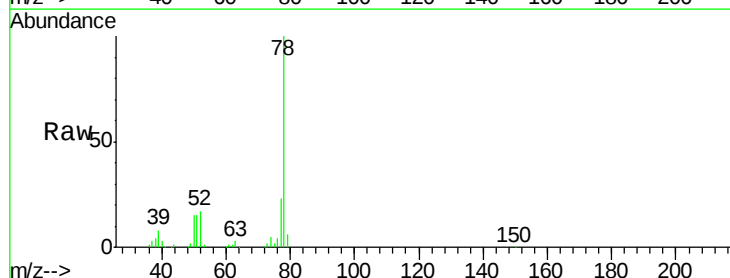
Instrument :
MSVOA_F
ClientSampleId :
VF0305SBS01

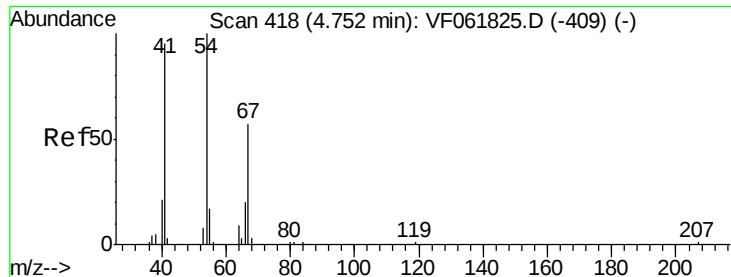
Tot Ion: 83 Resp: 114134
Ion Ratio Lower Upper
83 100
55 88.9 66.0 99.0
98 51.9 39.8 59.6



#40
Benzene
Concen: 21.687 ug/l
RT: 4.63 min Scan# 406
Delta R.T. -0.01 min
Lab File: VF061845.D
Acq: 5 Mar 2019 15:12

Tgt Ion: 78 Resp: 261491
Ion Ratio Lower Upper
78 100
77 23.2 19.5 29.3

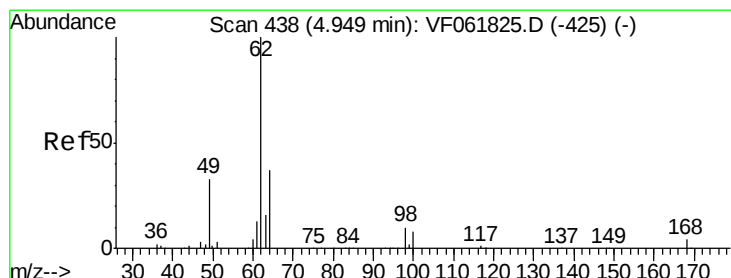
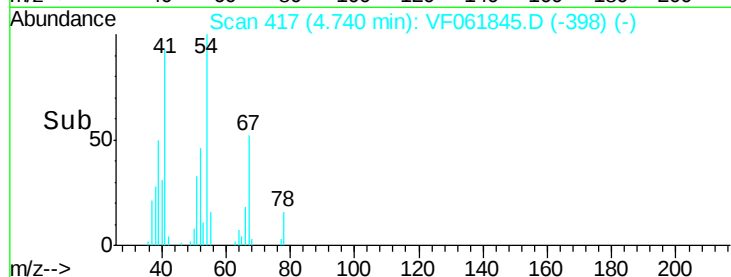
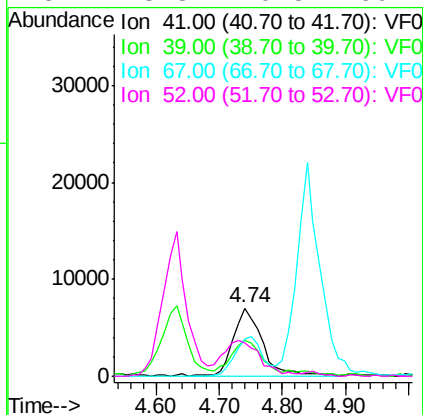
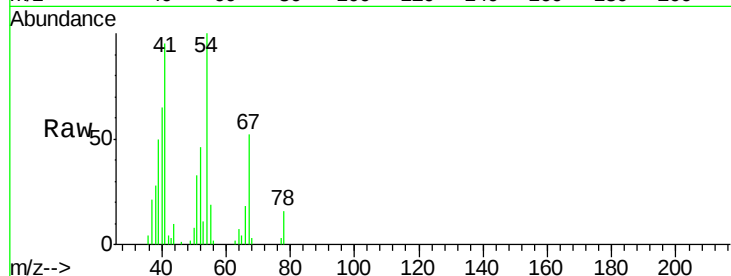




#41
Methacrylonitrile
Concen: 21.308 ug/l
RT: 4.74 min Scan# 417
Delta R.T. -0.01 min
Lab File: VF061845.D
Acq: 5 Mar 2019 15:12

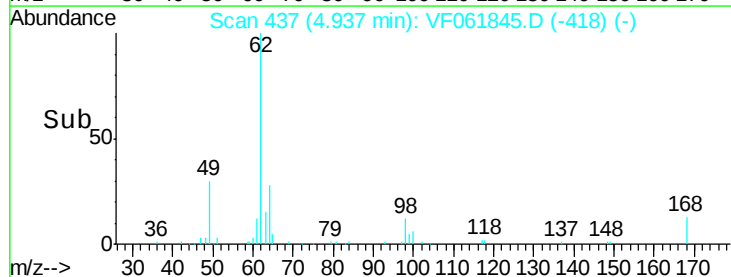
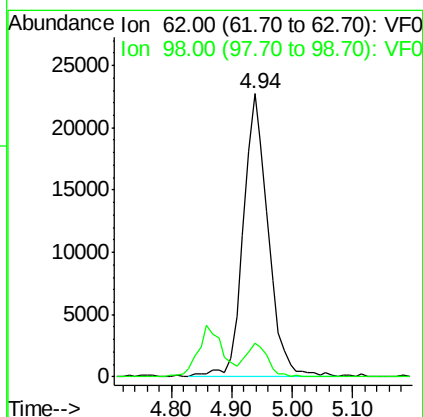
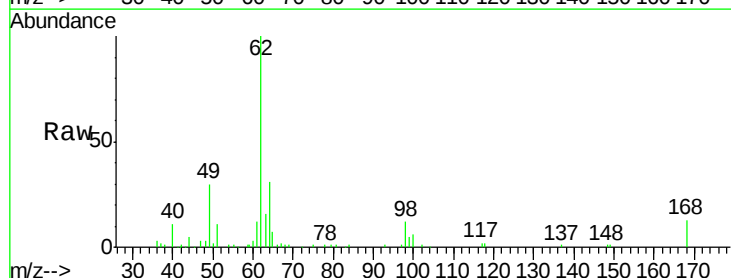
Instrument :
MSVOA_F
ClientSampleId :
VF0305SBS01

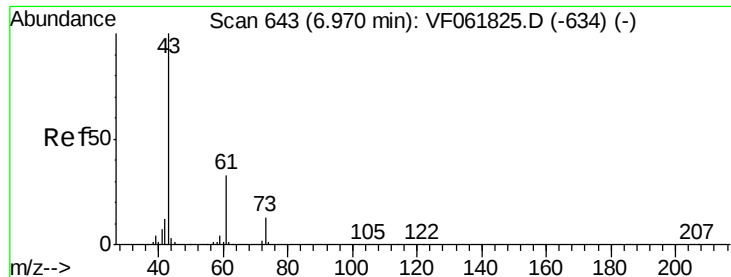
Tot Ion:	41	Resp:	22604
Ion	Ratio	Lower	Upper
41	100		
39	52.6	43.0	64.6
67	55.0	47.8	71.8
52	48.8	40.5	60.7



#42
1,2-Dichloroethane
Concen: 21.578 ug/l
RT: 4.94 min Scan# 437
Delta R.T. -0.01 min
Lab File: VF061845.D
Acq: 5 Mar 2019 15:12

Tgt Ion:	62	Resp:	64838
Ion	Ratio	Lower	Upper
62	100		
98	11.8	0.0	21.0



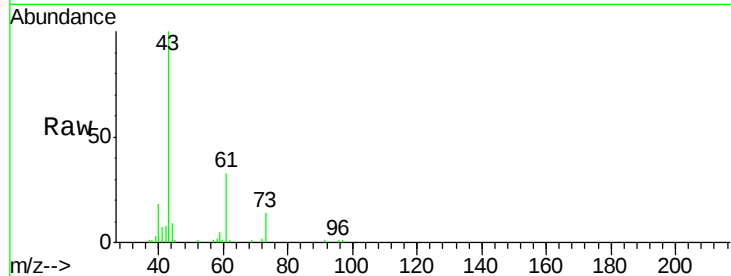


#43

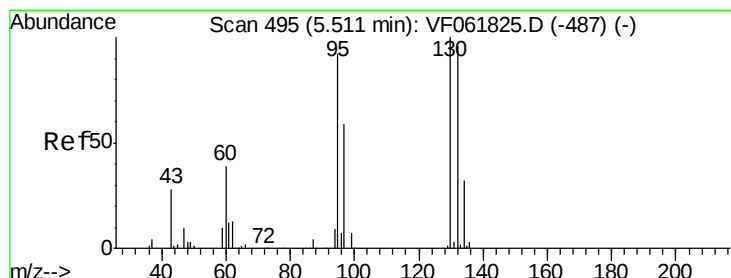
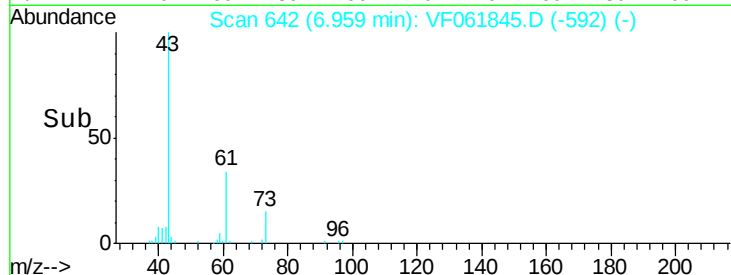
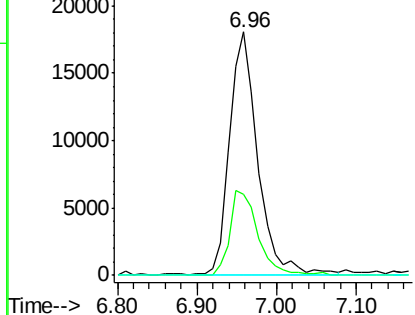
Isopropyl Acetate
 Concen: 18.887 ug/l
 RT: 6.96 min Scan# 642
 Delta R.T. -0.01 min
 Lab File: VF061845.D
 Acq: 5 Mar 2019 15:12

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0305SBS01

Tot Ion: 43 Resp: 45076
 Ion Ratio Lower Upper
 43 100
 61 33.0 26.1 39.1
 87 0.0 0.0 0.0



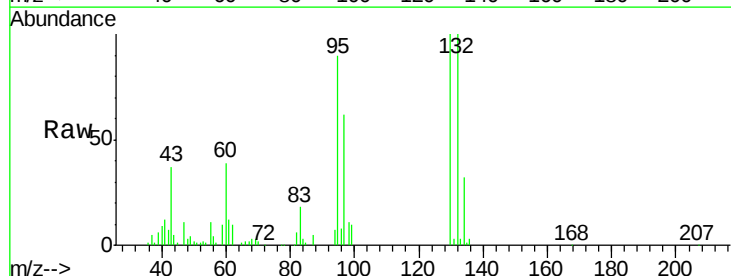
Abundance Ion 43.00 (42.70 to 43.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 87.00 (86.70 to 87.70): VF0



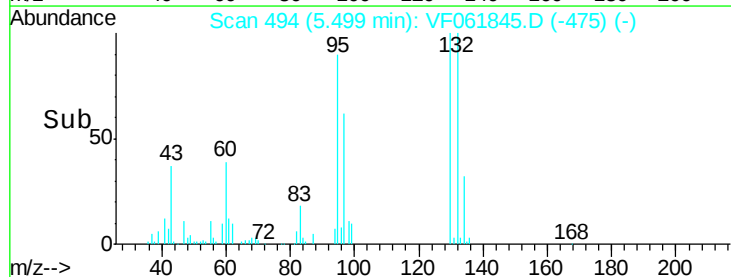
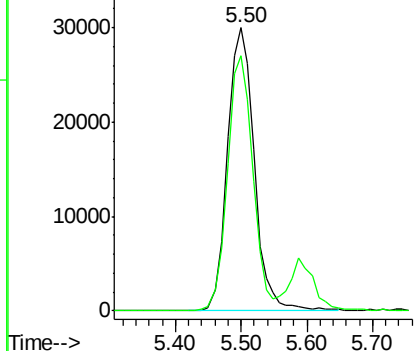
#44

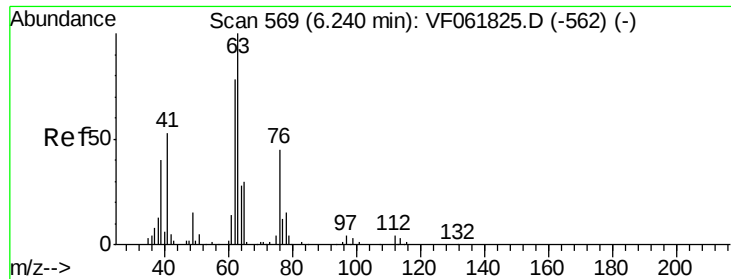
Trichloroethene
 Concen: 22.914 ug/l
 RT: 5.50 min Scan# 494
 Delta R.T. -0.01 min
 Lab File: VF061845.D
 Acq: 5 Mar 2019 15:12

Tgt Ion: 130 Resp: 85860
 Ion Ratio Lower Upper
 130 100
 95 90.3 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: 22.220 ug/l

RT: 6.23 min Scan# 568

Delta R.T. -0.01 min

Lab File: VF061845.D

Acq: 5 Mar 2019 15:12

Instrument :

MSVOA_F

ClientSampleId :

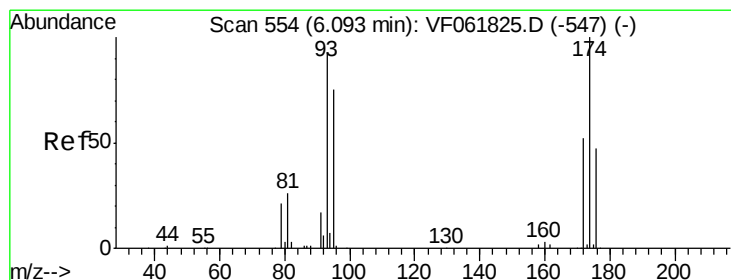
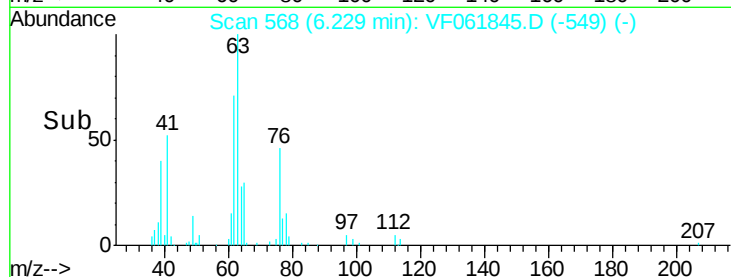
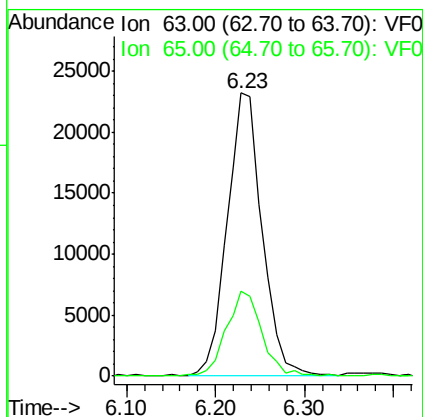
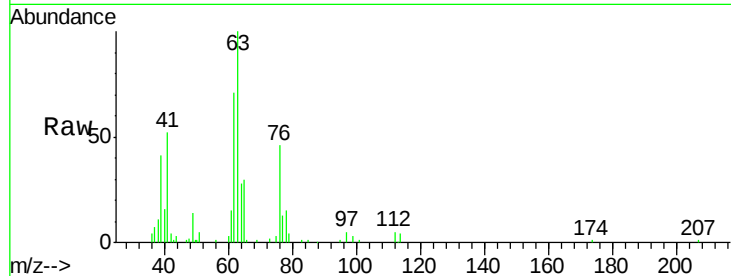
VF0305SBS01

Tot Ion: 63 Resp: 63710

Ion Ratio Lower Upper

63 100

65 30.2 24.0 36.0



#46

Dibromomethane

Concen: 19.432 ug/l

RT: 6.08 min Scan# 553

Delta R.T. -0.01 min

Lab File: VF061845.D

Acq: 5 Mar 2019 15:12

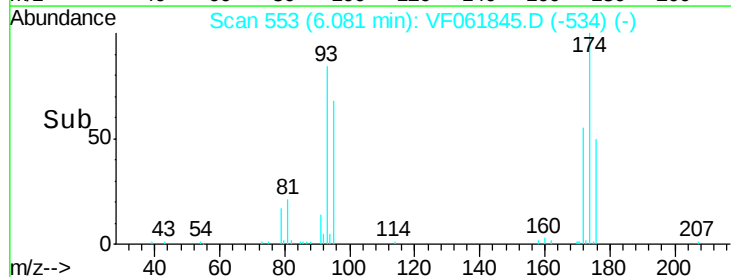
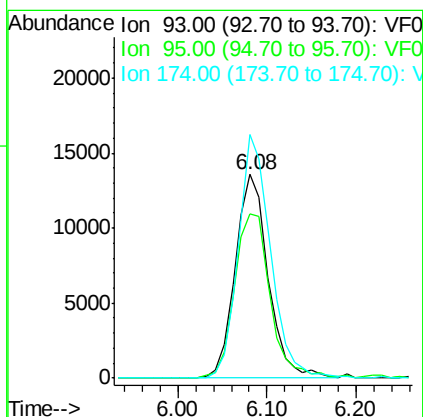
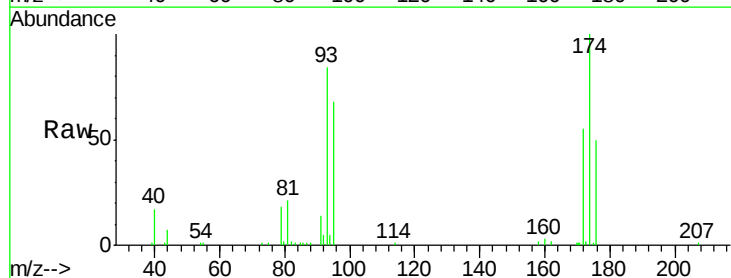
Tgt Ion: 93 Resp: 35065

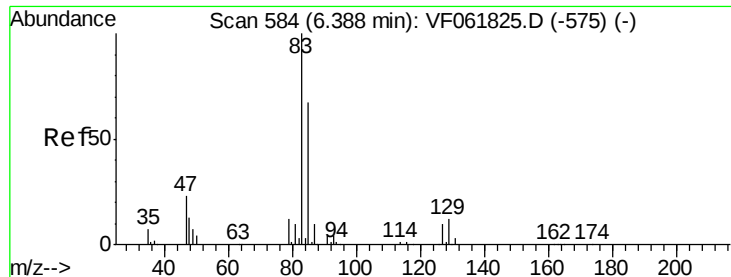
Ion Ratio Lower Upper

93 100

95 80.8 64.4 96.6

174 119.5 85.8 128.6





#47

Bromodichloromethane

Concen: 21.673 ug/l

RT: 6.38 min Scan# 583

Delta R.T. -0.01 min

Lab File: VF061845.D

Acq: 5 Mar 2019 15:12

Instrument :

MSVOA_F

ClientSampleId :

VF0305SBS01

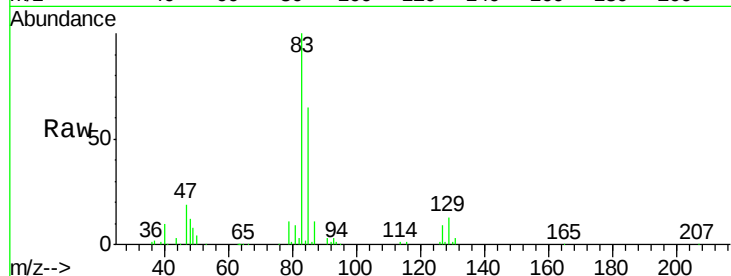
Tot Ion: 83 Resp: 86401

Ion Ratio Lower Upper

83 100

85 65.5 53.6 80.4

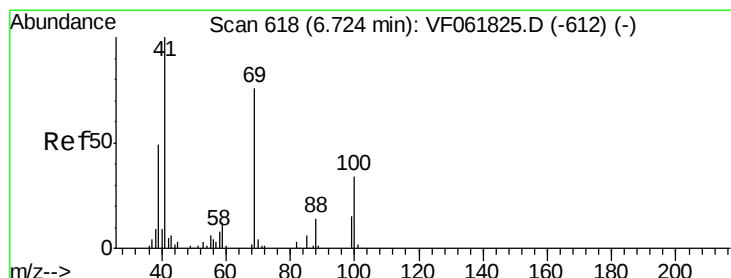
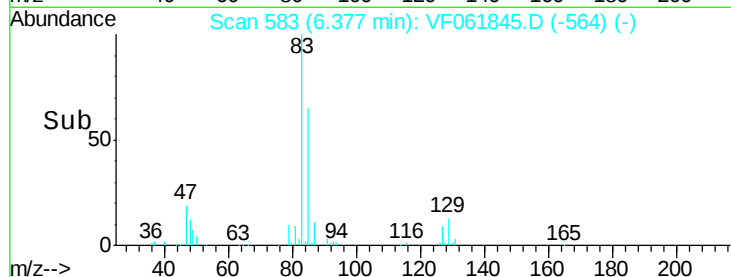
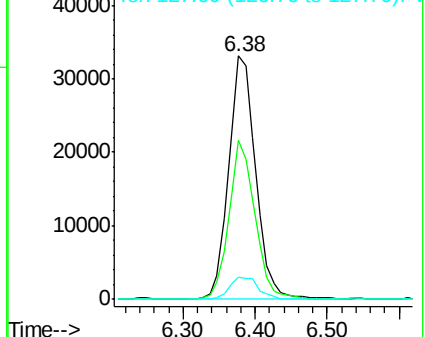
127 9.0 8.1 12.1



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: 20.310 ug/l

RT: 6.71 min Scan# 617

Delta R.T. -0.01 min

Lab File: VF061845.D

Acq: 5 Mar 2019 15:12

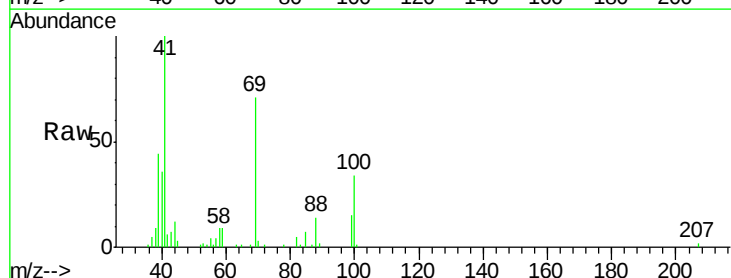
Tgt Ion: 41 Resp: 30677

Ion Ratio Lower Upper

41 100

69 70.7 60.4 90.6

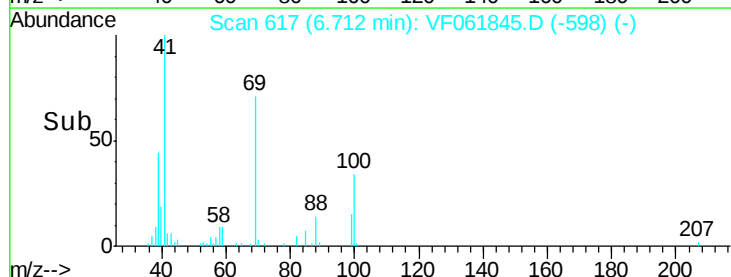
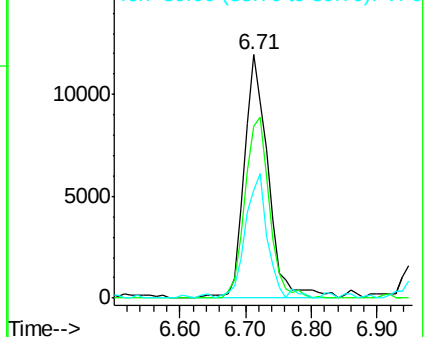
39 44.2 39.7 59.5

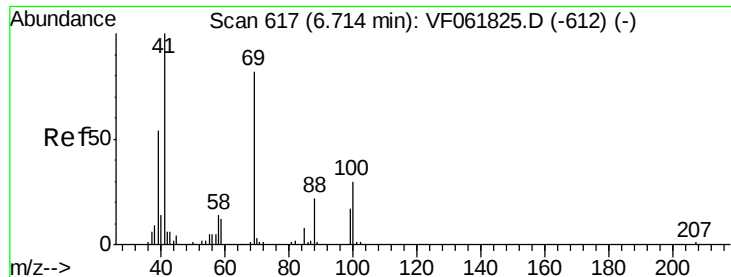


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 395.787 ug/l

RT: 6.70 min Scan# 616

Delta R.T. -0.01 min

Lab File: VF061845.D

Acq: 5 Mar 2019 15:12

Instrument :

MSVOA_F

ClientSampleId :

VF0305SBS01

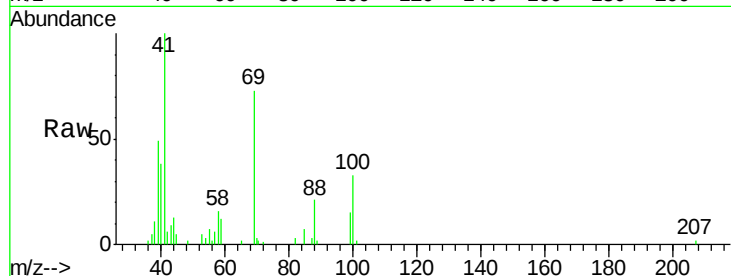
Tot Ion: 88 Resp: 5465

Ion Ratio Lower Upper

88 100

43 42.0 28.4 42.6

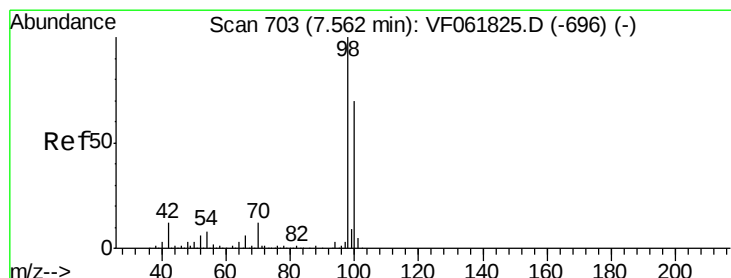
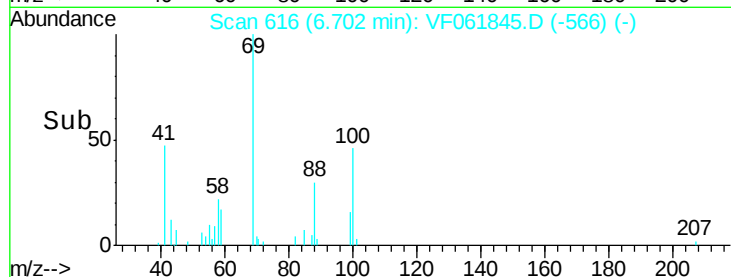
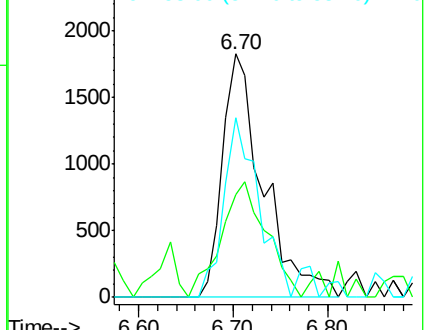
58 73.7 50.7 76.1



Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 46.096 ug/l

RT: 7.55 min Scan# 702

Delta R.T. -0.01 min

Lab File: VF061845.D

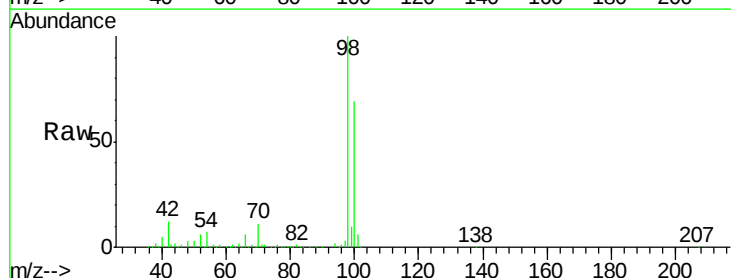
Acq: 5 Mar 2019 15:12

Tgt Ion: 98 Resp: 466926

Ion Ratio Lower Upper

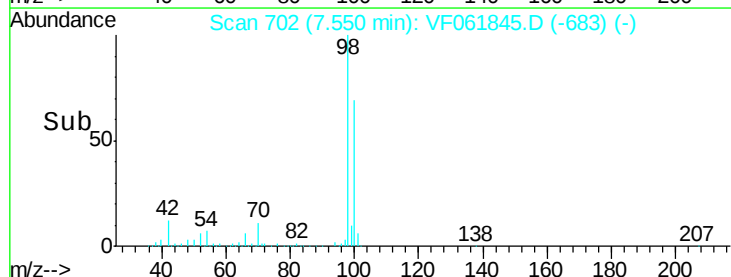
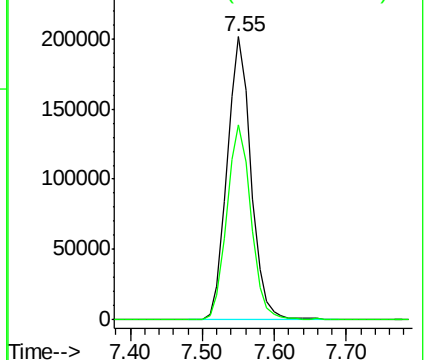
98 100

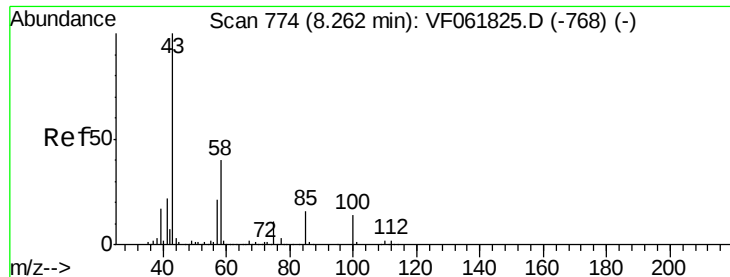
100 68.9 56.0 84.0



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 103.201 ug/l

RT: 8.25 min Scan# 773

Delta R.T. -0.01 min

Lab File: VF061845.D

Acq: 5 Mar 2019 15:12

Instrument :

MSVOA_F

ClientSampleId :

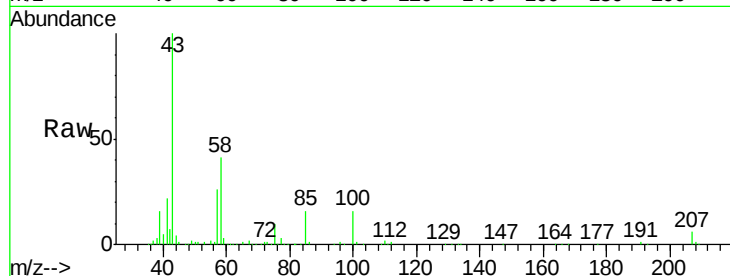
VF0305SBS01

Tot Ion: 43 Resp: 170233

Ion Ratio Lower Upper

43 100

58 41.0 31.8 47.8



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.25

60000

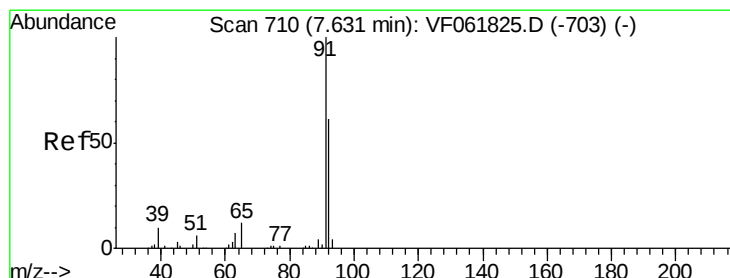
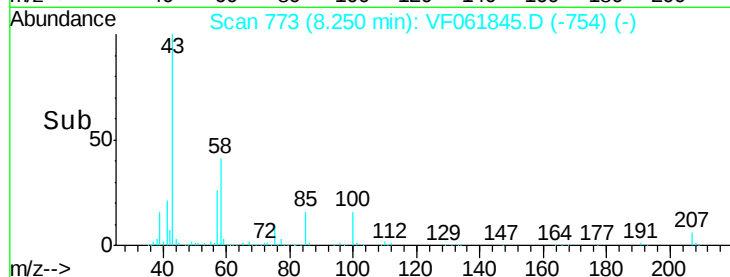
40000

20000

0

8.10 8.20 8.30 8.40

Time-->



#52

Toluene

Concen: 21.472 ug/l

RT: 7.62 min Scan# 709

Delta R.T. -0.01 min

Lab File: VF061845.D

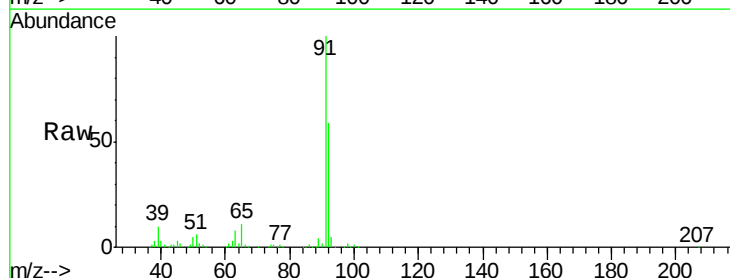
Acq: 5 Mar 2019 15:12

Tgt Ion: 92 Resp: 153157

Ion Ratio Lower Upper

92 100

91 168.2 132.0 198.0



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.62

120000

100000

80000

60000

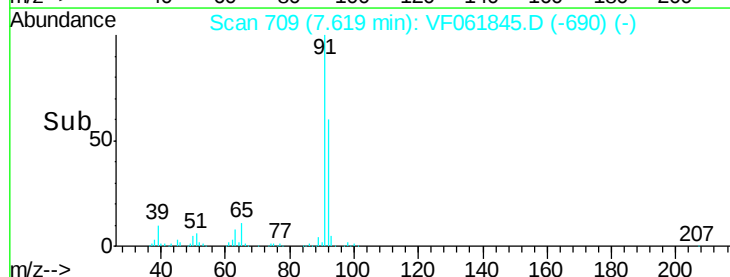
40000

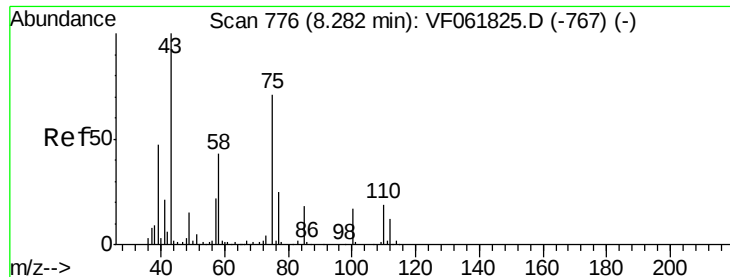
20000

0

7.50 7.60 7.70

Time-->

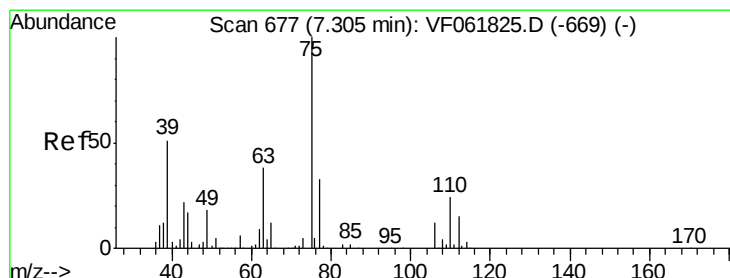
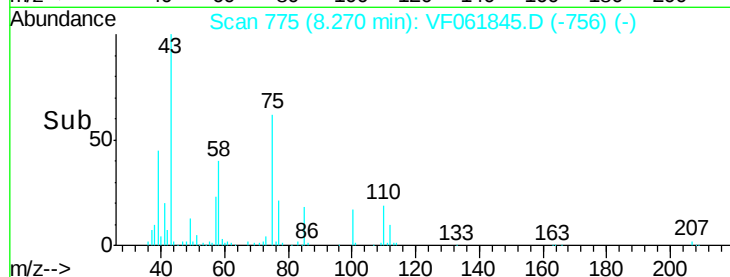
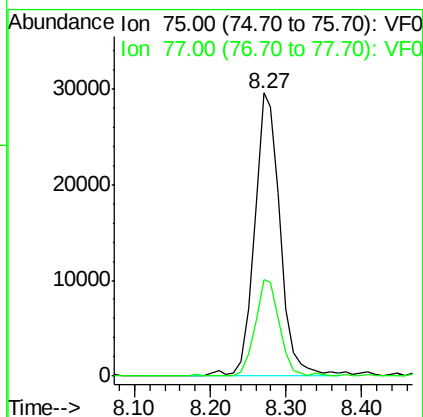
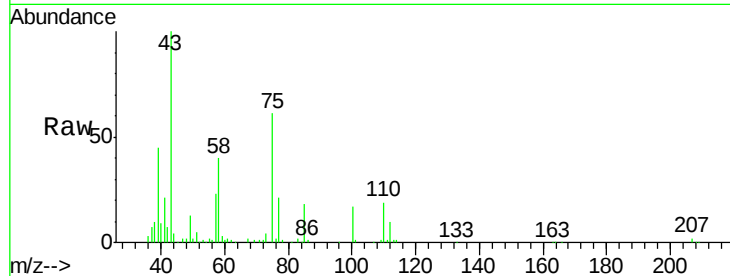




#53
 t-1,3-Dichloropropene
 Concen: 21.183 ug/l
 RT: 8.27 min Scan# 775
 Delta R.T. -0.01 min
 Lab File: VF061845.D
 Acq: 5 Mar 2019 15:12

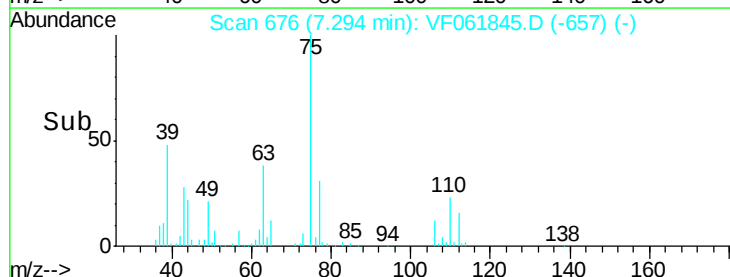
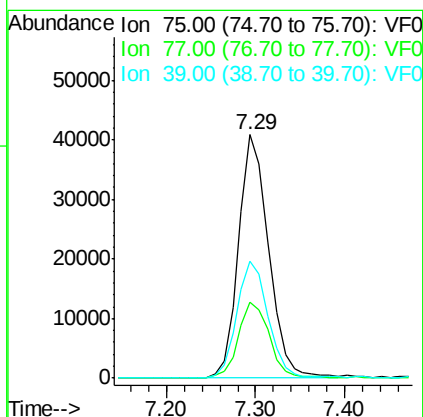
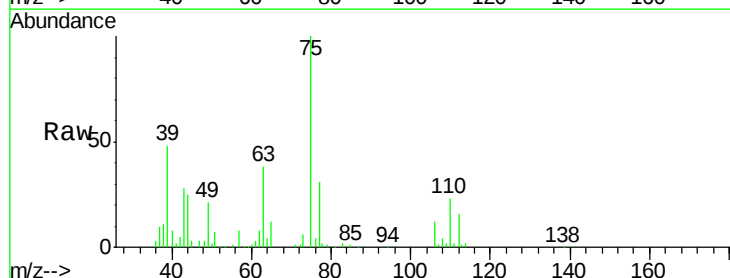
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0305SBS01

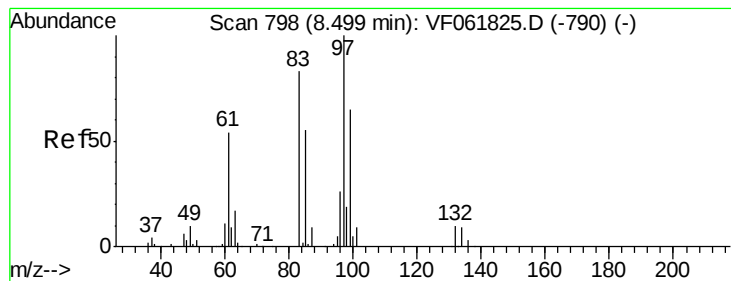
Tot Ion: 75 Resp: 69709
 Ion Ratio Lower Upper
 75 100
 77 33.9 28.0 42.0



#54
 cis-1,3-Dichloropropene
 Concen: 21.219 ug/l
 RT: 7.29 min Scan# 676
 Delta R.T. -0.01 min
 Lab File: VF061845.D
 Acq: 5 Mar 2019 15:12

Tgt Ion: 75 Resp: 96312
 Ion Ratio Lower Upper
 75 100
 77 31.4 26.3 39.5
 39 47.9 40.8 61.2





#55

1,1,2-Trichloroethane

Concen: 20.219 ug/l

RT: 8.49 min Scan# 797

Delta R.T. -0.01 min

Lab File: VF061845.D

Acq: 5 Mar 2019 15:12

Instrument :

MSVOA_F

ClientSampleId :

VF0305SBS01

Tot Ion: 97 Resp: 41553

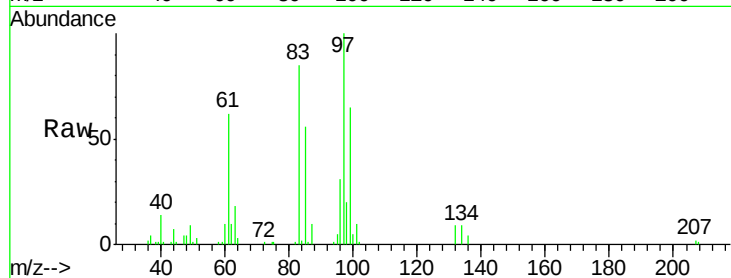
Ion Ratio Lower Upper

97 100

83 85.3 66.5 99.7

85 56.4 44.2 66.2

99 64.6 51.8 77.6

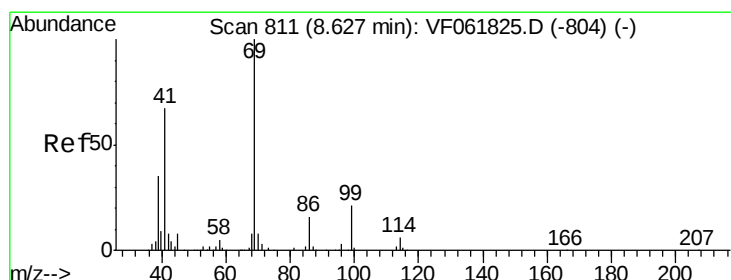
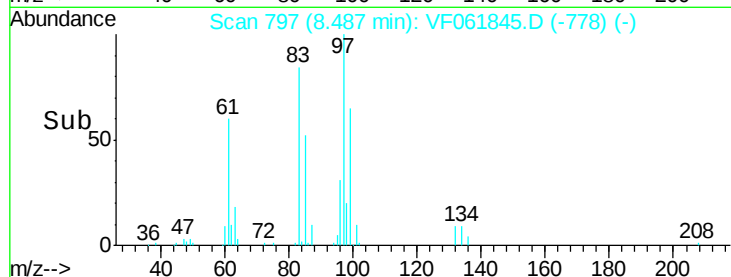
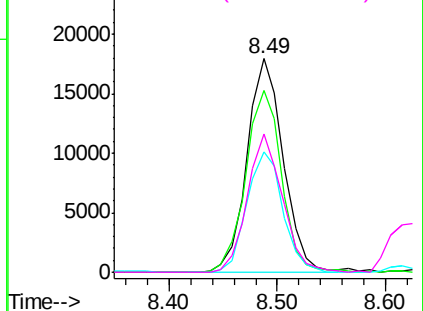


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 20.010 ug/l

RT: 8.62 min Scan# 810

Delta R.T. -0.01 min

Lab File: VF061845.D

Acq: 5 Mar 2019 15:12

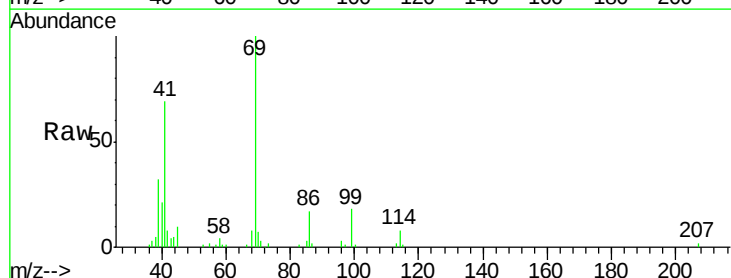
Tgt Ion: 69 Resp: 46346

Ion Ratio Lower Upper

69 100

41 69.3 53.9 80.9

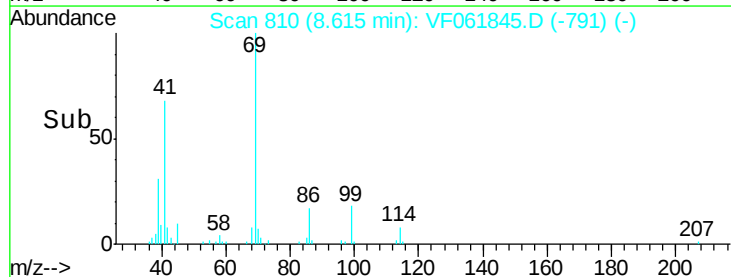
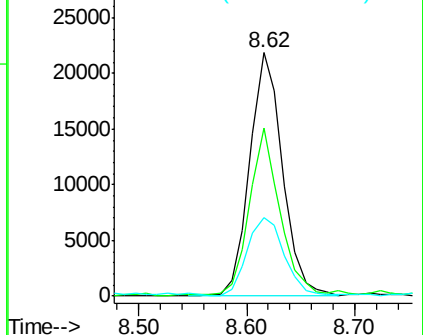
39 32.4 28.3 42.5

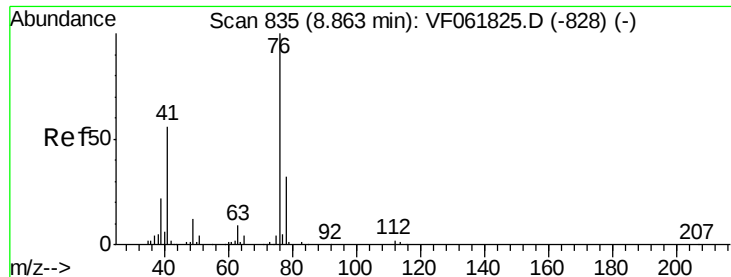


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 20.444 ug/l

RT: 8.85 min Scan# 834

Delta R.T. -0.01 min

Lab File: VF061845.D

Acq: 5 Mar 2019 15:12

Instrument :

MSVOA_F

ClientSampleId :

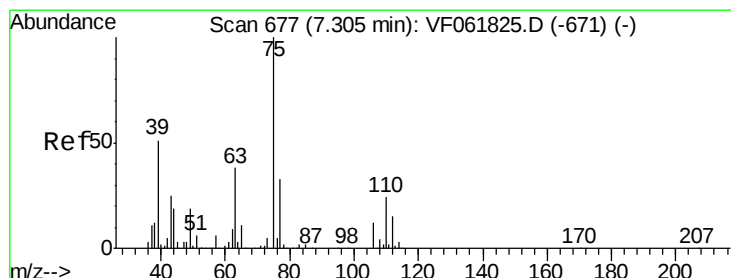
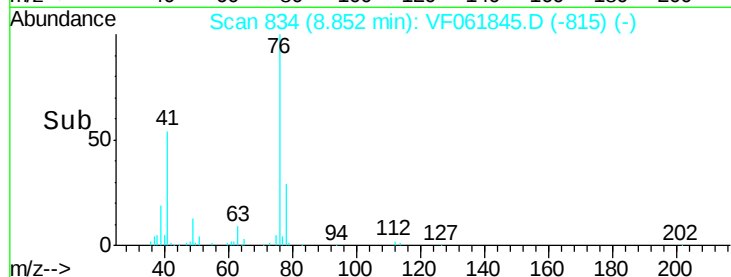
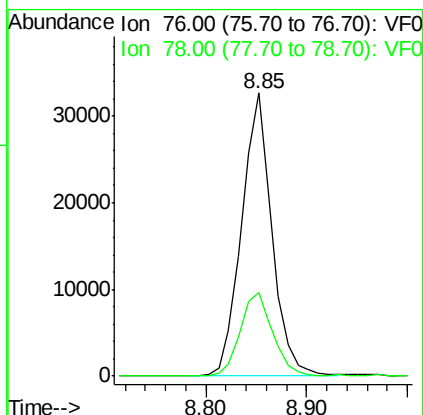
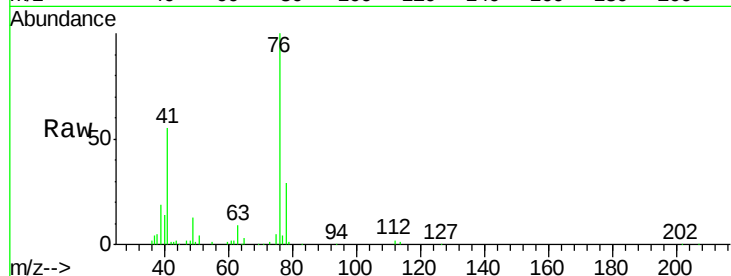
VF0305SBS01

Tot Ion: 76 Resp: 68712

Ion Ratio Lower Upper

76 100

78 29.4 25.4 38.2



#58

2-Chloroethyl Vinyl ether

Concen: 103.758 ug/l

RT: 7.29 min Scan# 676

Delta R.T. -0.01 min

Lab File: VF061845.D

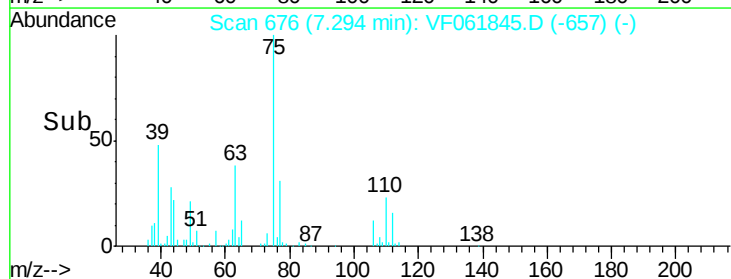
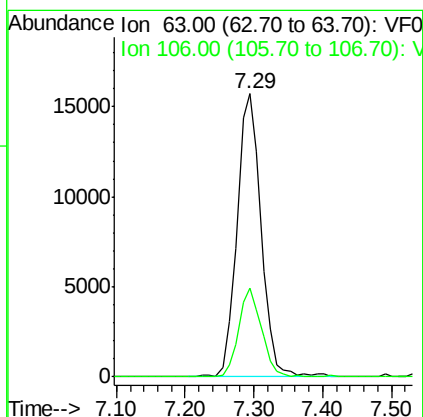
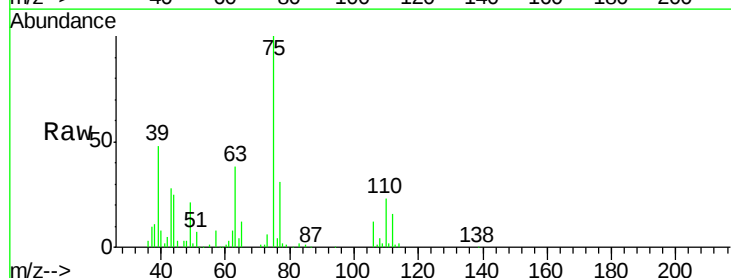
Acq: 5 Mar 2019 15:12

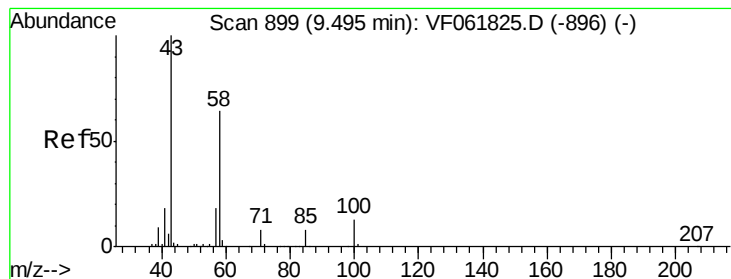
Tgt Ion: 63 Resp: 38017

Ion Ratio Lower Upper

63 100

106 31.2 24.3 36.5





#59

2-Hexanone

Concen: 102.562 ug/l

RT: 9.49 min Scan# 899

Delta R.T. -0.00 min

Lab File: VF061845.D

Acq: 5 Mar 2019 15:12

Instrument :

MSVOA_F

ClientSampleId :

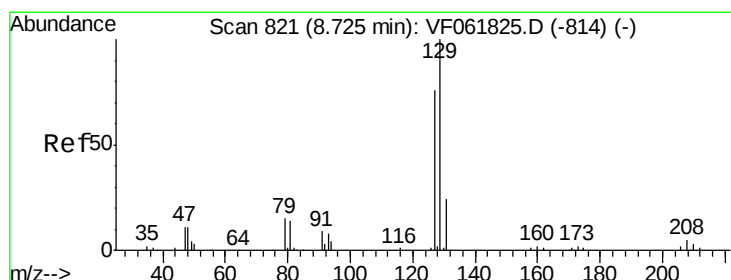
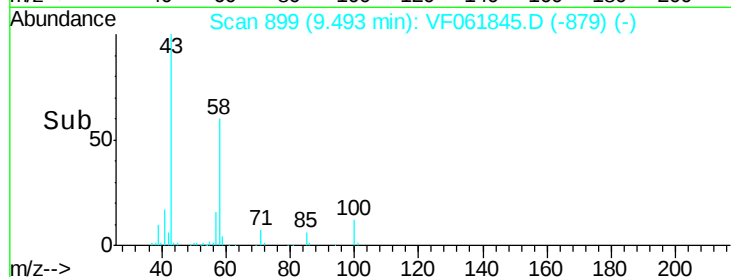
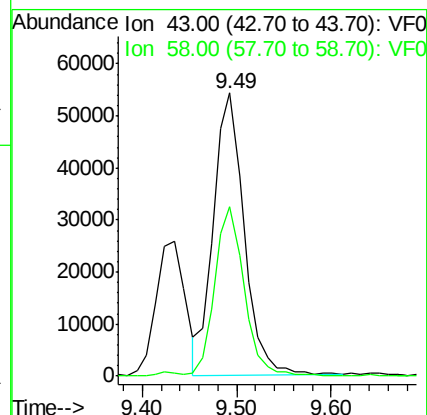
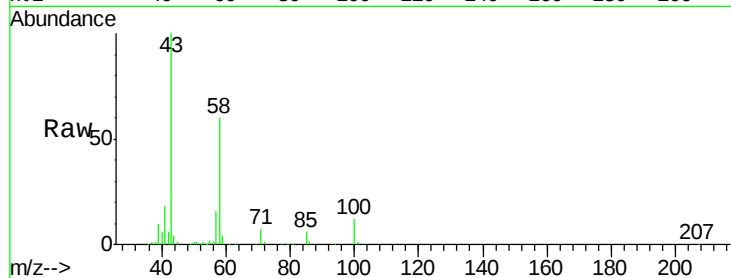
VF0305SBS01

Tot Ion: 43 Resp: 122048

Ion Ratio Lower Upper

43 100

58 59.9 28.8 86.4



#60

Dibromochloromethane

Concen: 21.260 ug/l

RT: 8.71 min Scan# 820

Delta R.T. -0.01 min

Lab File: VF061845.D

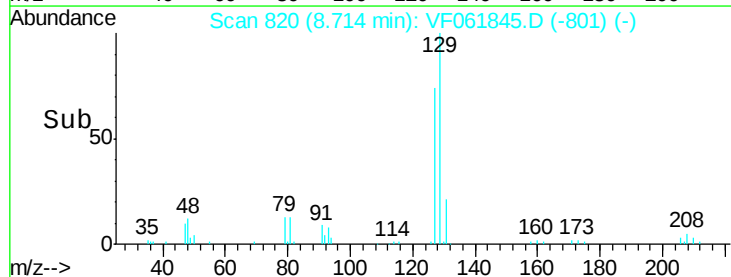
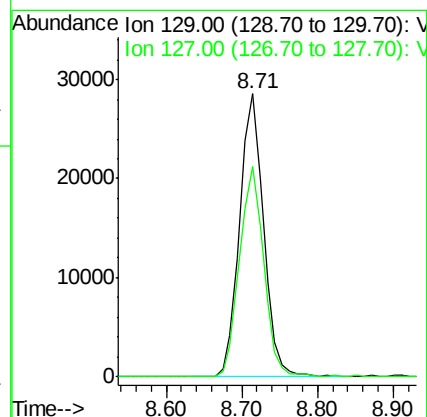
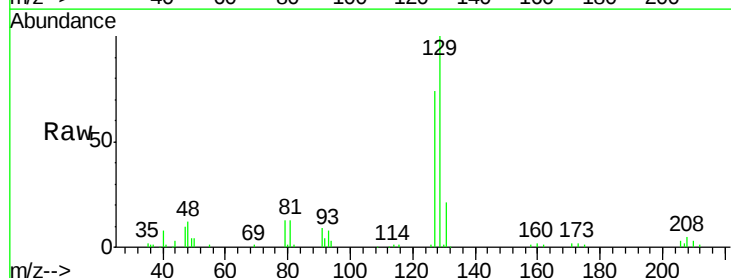
Acq: 5 Mar 2019 15:12

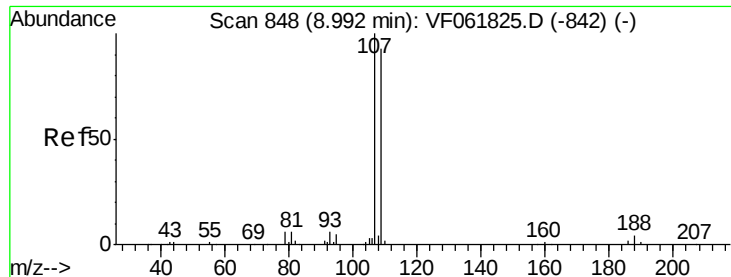
Tgt Ion: 129 Resp: 62274

Ion Ratio Lower Upper

129 100

127 74.4 38.2 114.6





#61

1,2-Dibromoethane

Concen: 20.251 ug/l

RT: 8.98 min Scan# 847

Delta R.T. -0.01 min

Lab File: VF061845.D

Acq: 5 Mar 2019 15:12

Instrument :

MSVOA_F

ClientSampleId :

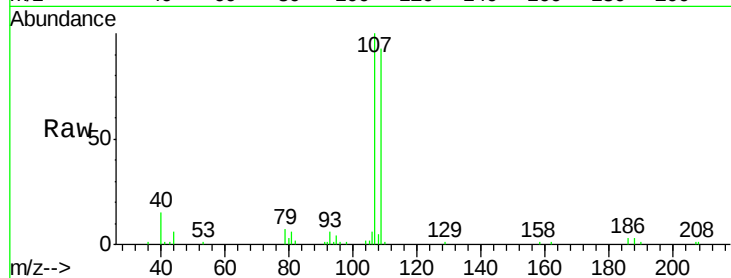
VF0305SBS01

Tot Ion:107 Resp: 45769

Ion Ratio Lower Upper

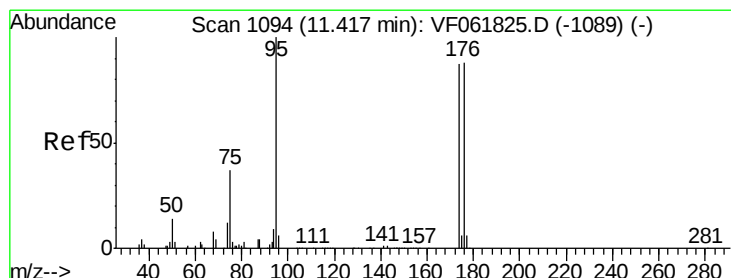
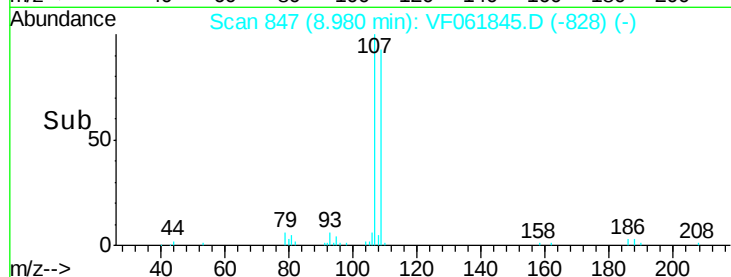
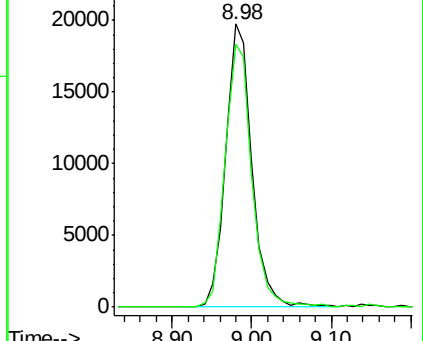
107 100

109 92.9 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: 45.832 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.01 min

Lab File: VF061845.D

Acq: 5 Mar 2019 15:12

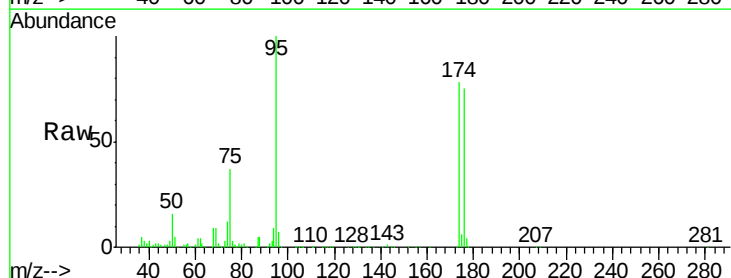
Tgt Ion: 95 Resp: 181860

Ion Ratio Lower Upper

95 100

174 77.9 0.0 174.0

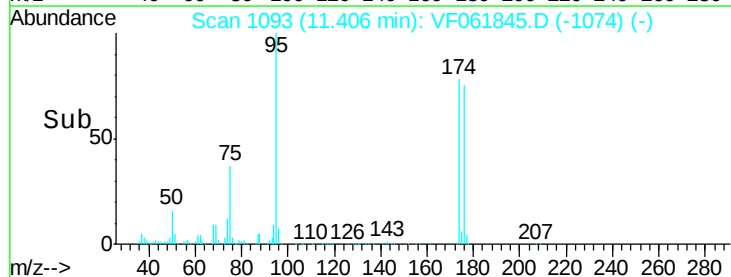
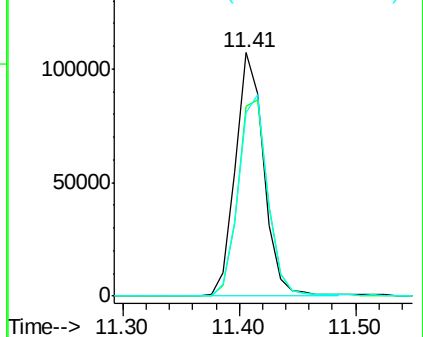
176 75.4 0.0 175.2

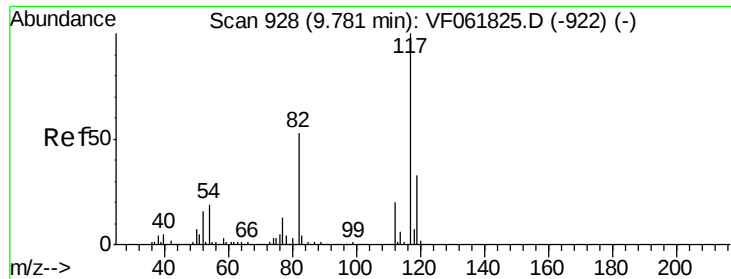


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

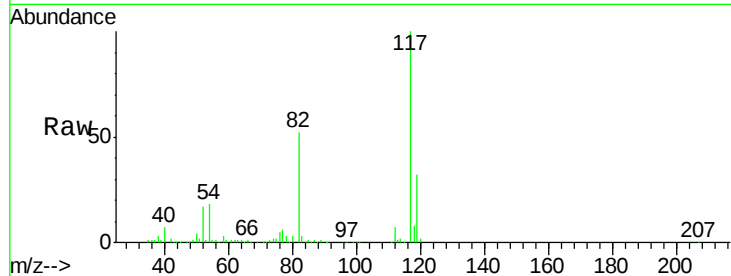




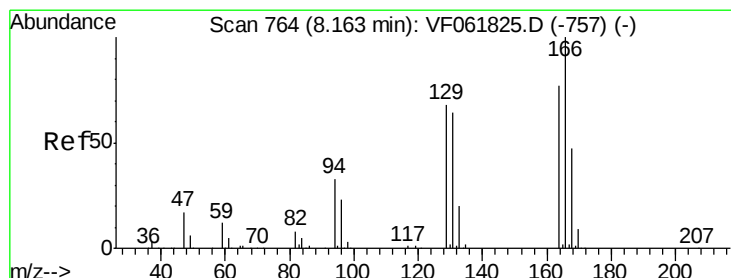
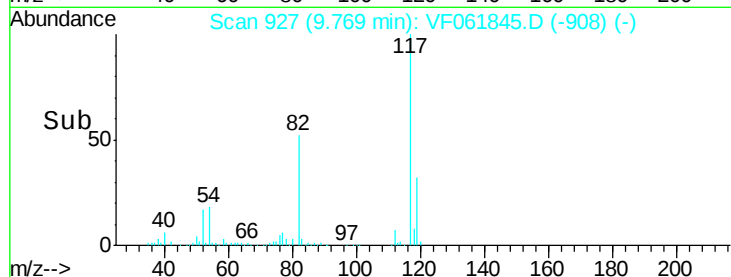
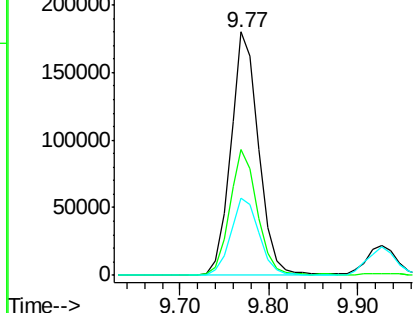
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. -0.01 min
Lab File: VF061845.D
Acq: 5 Mar 2019 15:12

Instrument :
MSVOA_F
ClientSampleId :
VF0305SBS01

Tot Ion:117 Resp: 394027
Ion Ratio Lower Upper
117 100
82 51.6 42.6 63.8
119 31.8 26.0 39.0



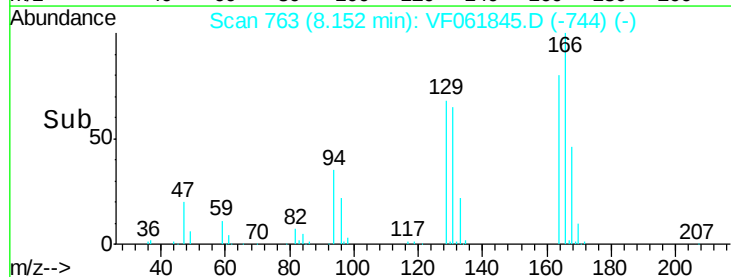
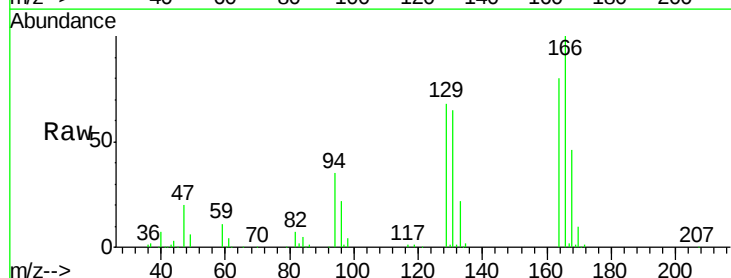
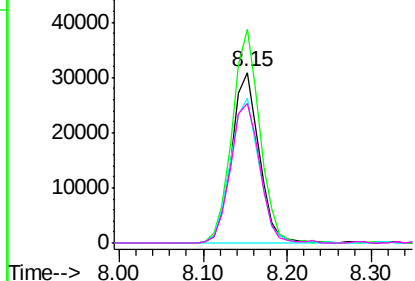
Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

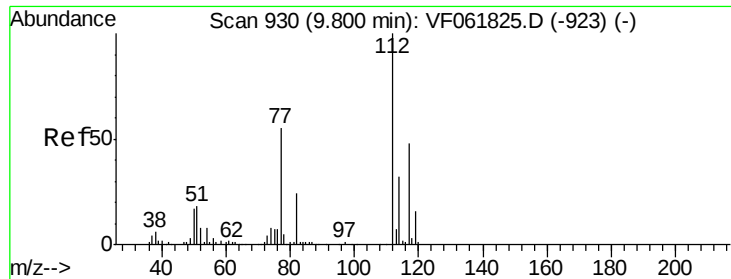


#64
Tetrachloroethene
Concen: 23.297 ug/l
RT: 8.15 min Scan# 763
Delta R.T. -0.01 min
Lab File: VF061845.D
Acq: 5 Mar 2019 15:12

Tgt Ion:164 Resp: 70537
Ion Ratio Lower Upper
164 100
166 125.4 103.4 155.0
129 85.3 69.9 104.9
131 82.0 66.4 99.6

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

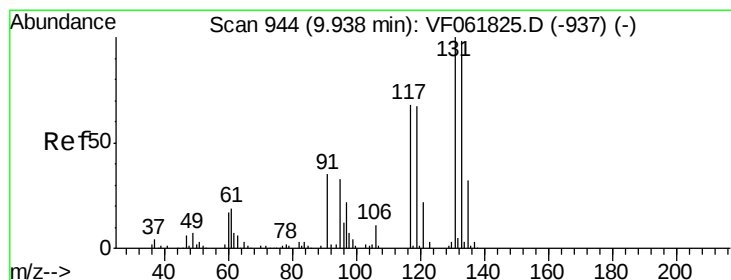
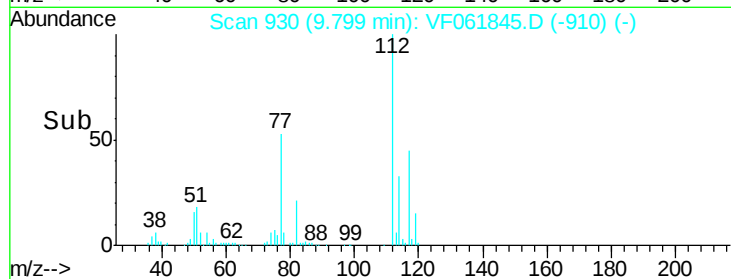
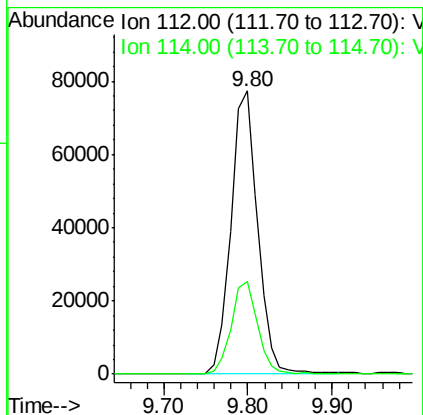
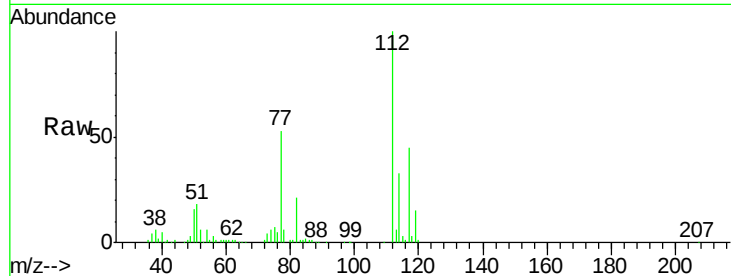




#65
Chlorobenzene
Concen: 22.604 ug/l
RT: 9.80 min Scan# 930
Delta R.T. -0.00 min
Lab File: VF061845.D
Acq: 5 Mar 2019 15:12

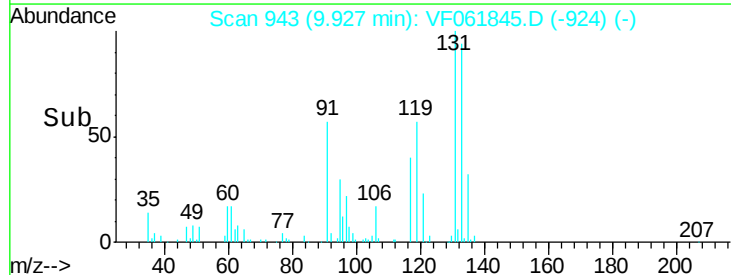
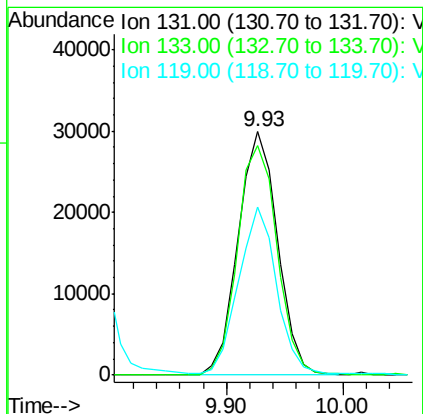
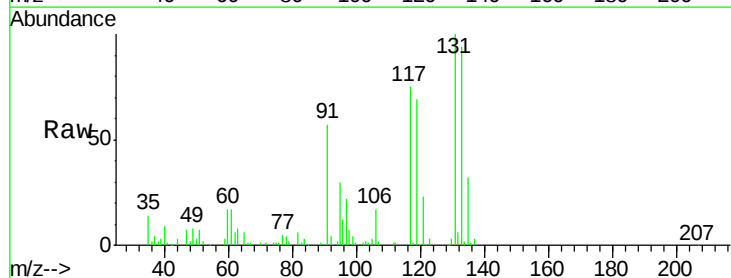
Instrument :
MSVOA_F
ClientSampleId :
VF0305SBS01

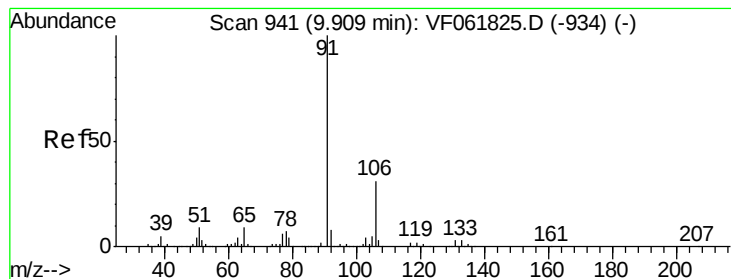
Tot Ion:112 Resp: 171118
Ion Ratio Lower Upper
112 100
114 32.5 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 23.943 ug/l
RT: 9.93 min Scan# 943
Delta R.T. -0.01 min
Lab File: VF061845.D
Acq: 5 Mar 2019 15:12

Tgt Ion:131 Resp: 70225
Ion Ratio Lower Upper
131 100
133 94.4 48.9 146.7
119 69.2 33.6 100.8





#67

Ethyl Benzene

Concen: 24.244 ug/l

RT: 9.90 min Scan# 940

Delta R.T. -0.01 min

Lab File: VF061845.D

Acq: 5 Mar 2019 15:12

Instrument :

MSVOA_F

ClientSampleId :

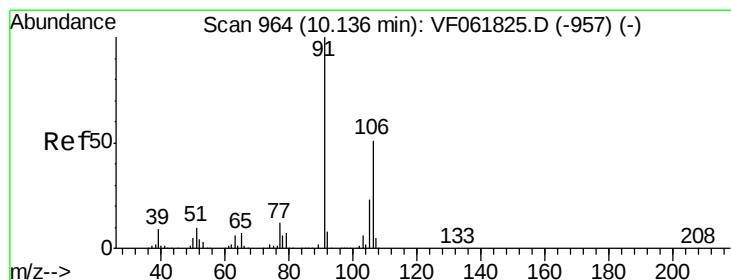
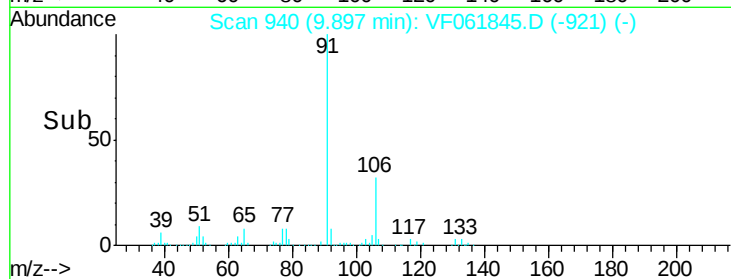
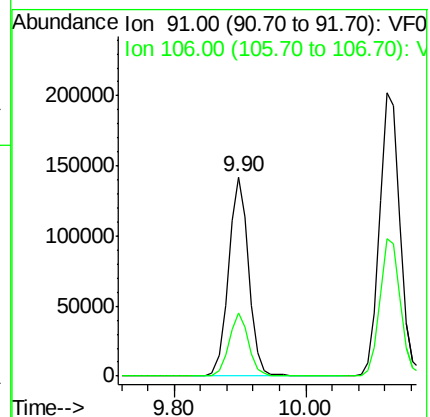
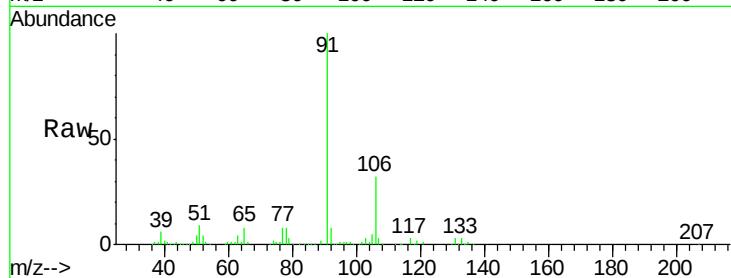
VF0305SBS01

Tot Ion: 91 Resp: 304194

Ion Ratio Lower Upper

91 100

106 32.0 25.0 37.4



#68

m/p-Xylenes

Concen: 45.212 ug/l

RT: 10.12 min Scan# 963

Delta R.T. -0.01 min

Lab File: VF061845.D

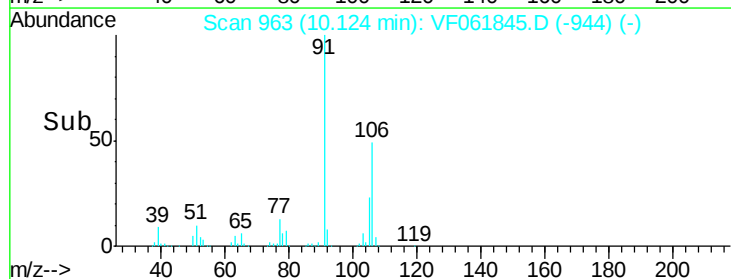
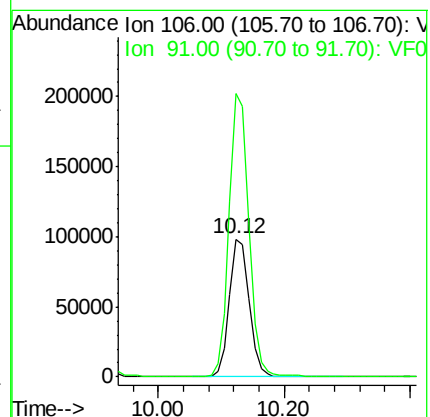
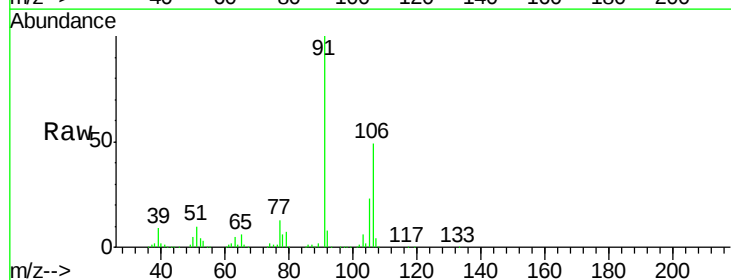
Acq: 5 Mar 2019 15:12

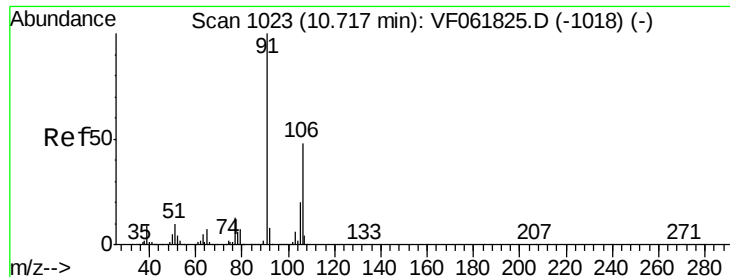
Tgt Ion: 106 Resp: 217319

Ion Ratio Lower Upper

106 100

91 205.0 157.5 236.3

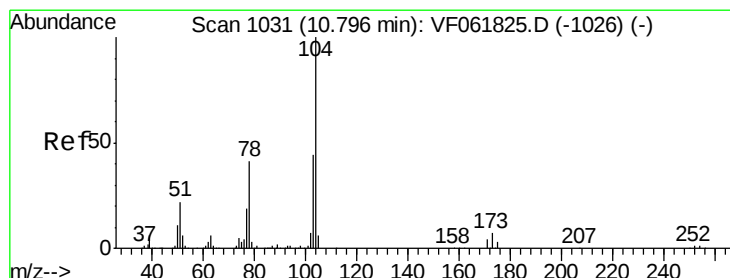
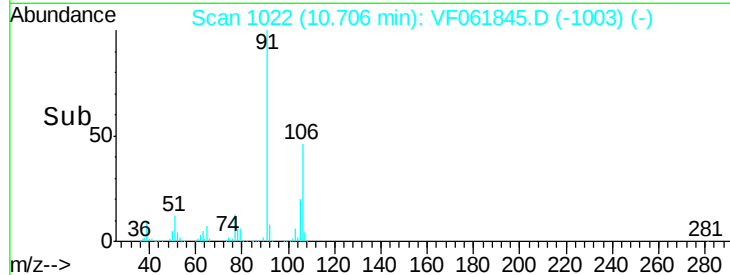
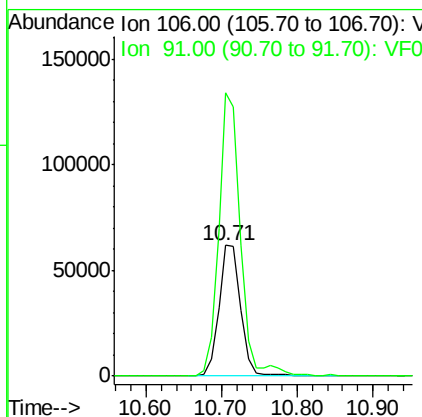
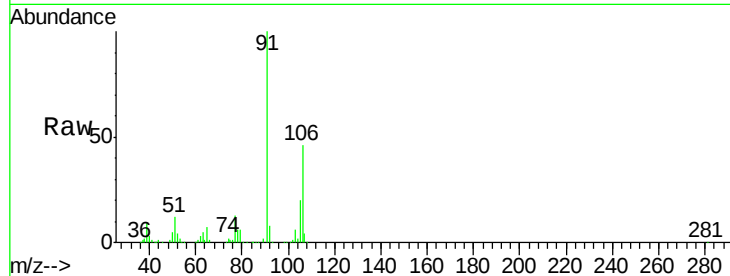




#69
o-Xylene
Concen: 24.074 ug/l
RT: 10.71 min Scan# 1022
Delta R.T. -0.01 min
Lab File: VF061845.D
Acq: 5 Mar 2019 15:12

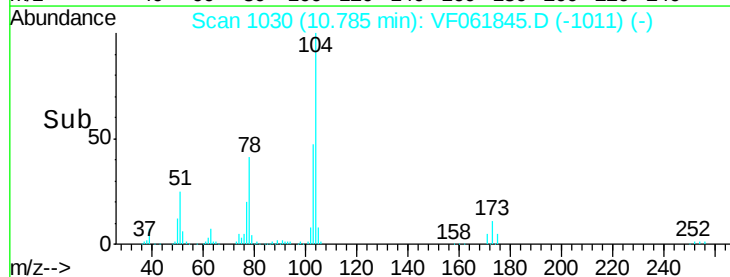
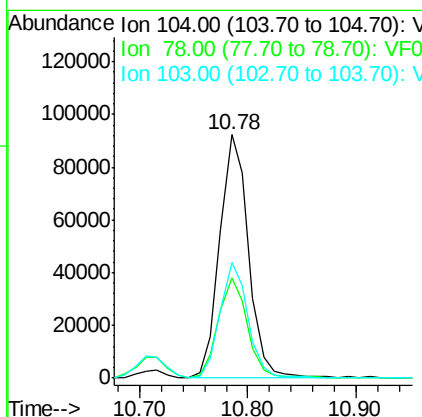
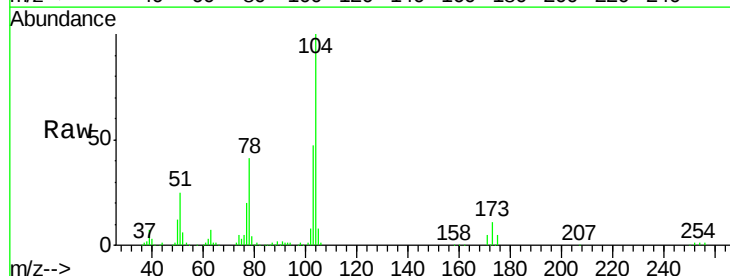
Instrument :
MSVOA_F
ClientSampleId :
VF0305SBS01

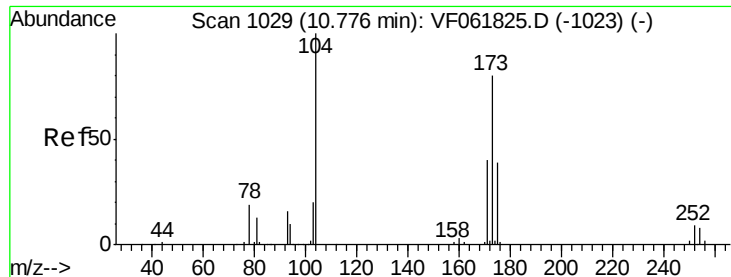
Tot Ion:106 Resp: 124601
Ion Ratio Lower Upper
106 100
91 216.7 103.5 310.3



#70
Styrene
Concen: 23.365 ug/l
RT: 10.78 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VF061845.D
Acq: 5 Mar 2019 15:12

Tgt Ion:104 Resp: 170196
Ion Ratio Lower Upper
104 100
78 41.2 33.3 49.9
103 47.5 35.4 53.0





#71

Bromoform

Concen: 21.648 ug/l

RT: 10.77 min Scan# 1029

Delta R.T. -0.00 min

Lab File: VF061845.D

Acq: 5 Mar 2019 15:12

Instrument :

MSVOA_F

ClientSampleId :

VF0305SBS01

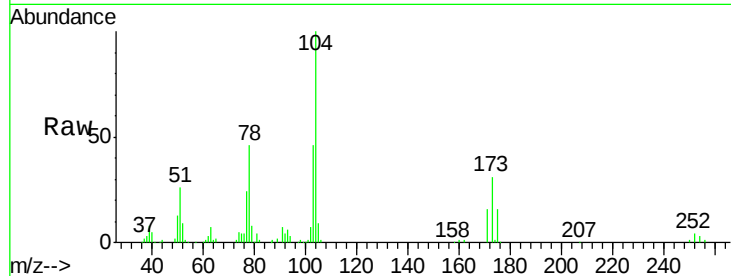
Tot Ion:173 Resp: 33557

Ion Ratio Lower Upper

173 100

175 50.1 24.5 73.5

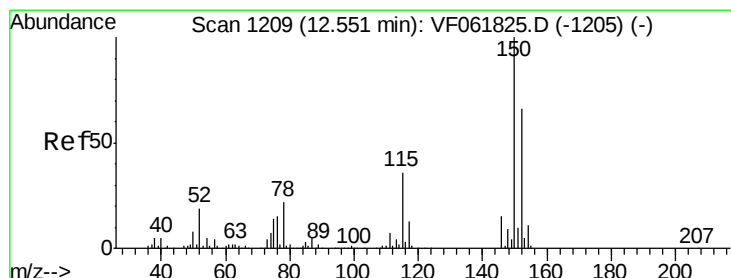
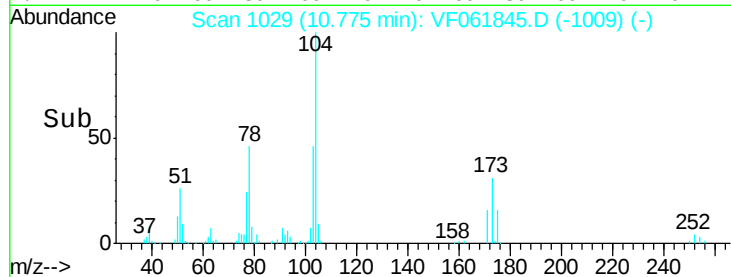
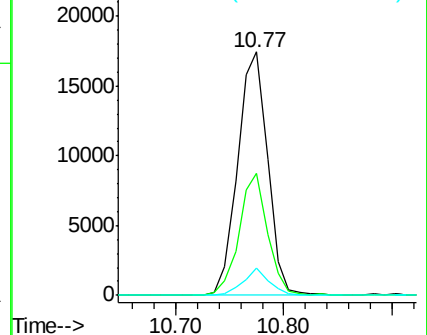
254 11.3 8.0 12.0



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: 12.55 min Scan# 1209

Delta R.T. -0.00 min

Lab File: VF061845.D

Acq: 5 Mar 2019 15:12

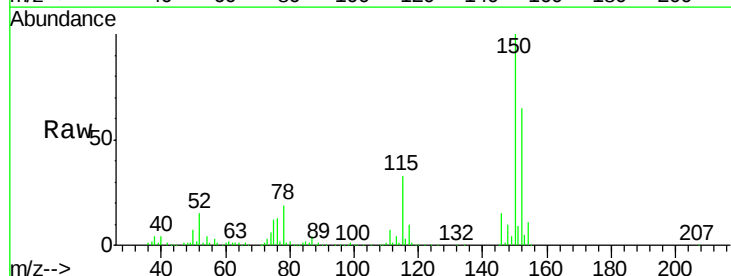
Tgt Ion:152 Resp: 226498

Ion Ratio Lower Upper

152 100

115 50.5 27.7 83.1

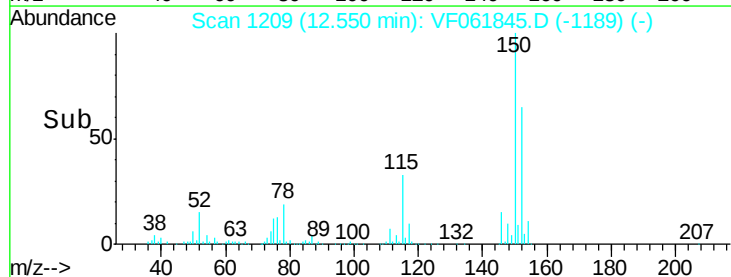
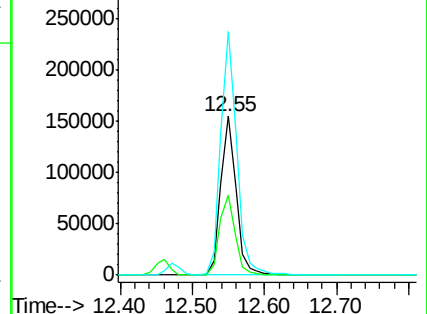
150 153.2 0.0 304.2

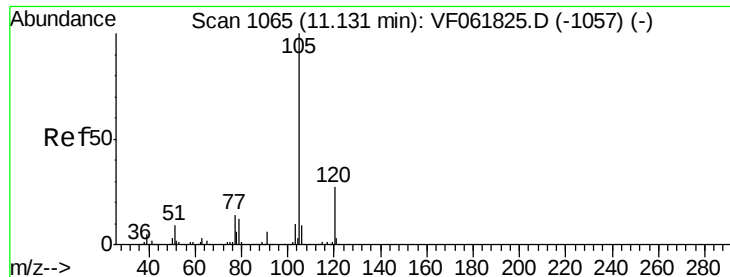


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 22.324 ug/l

RT: 11.12 min Scan# 1064

Delta R.T. -0.01 min

Lab File: VF061845.D

Acq: 5 Mar 2019 15:12

Instrument :

MSVOA_F

ClientSampleId :

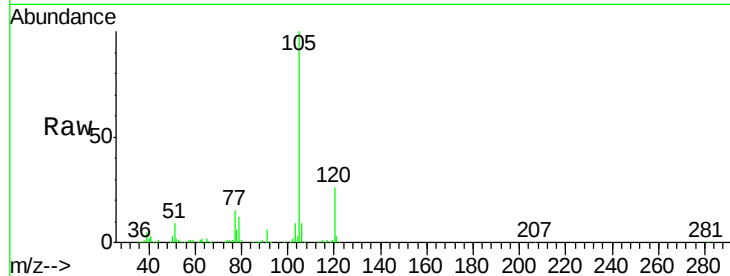
VF0305SBS01

Tot Ion:105 Resp: 348108

Ion Ratio Lower Upper

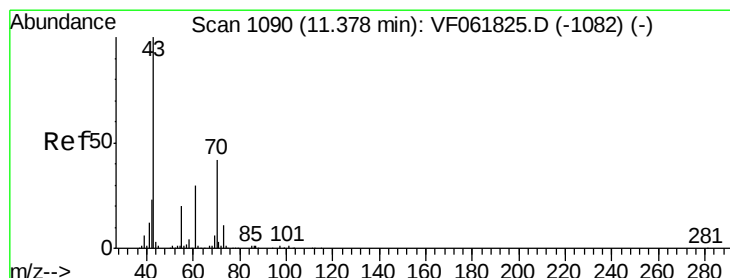
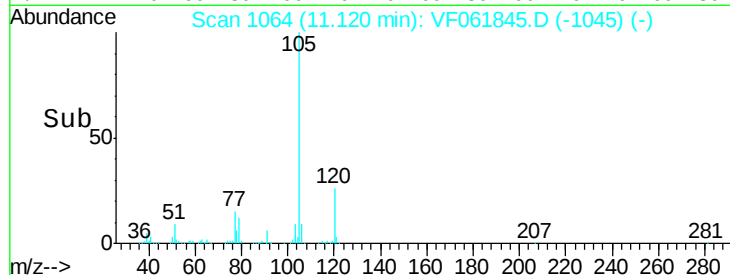
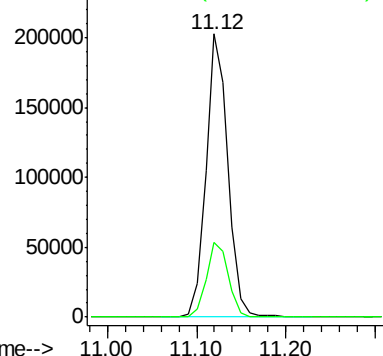
105 100

120 26.2 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: 21.578 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VF061845.D

Acq: 5 Mar 2019 15:12

Tgt Ion: 43 Resp: 77459

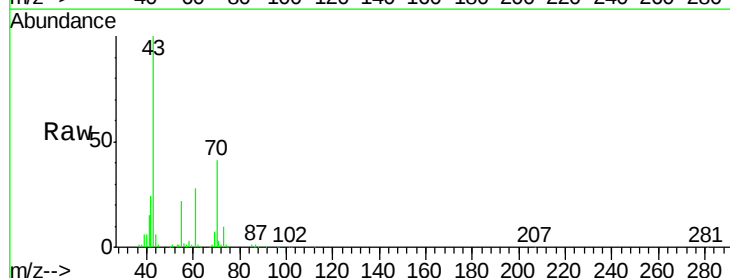
Ion Ratio Lower Upper

43 100

70 41.0 33.4 50.0

55 21.6 16.3 24.5

61 28.2 24.0 36.0

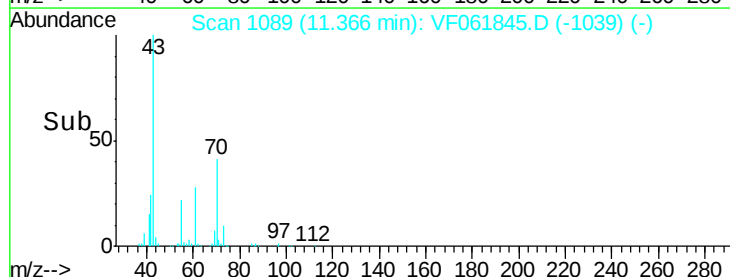
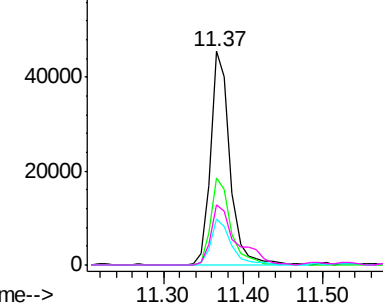


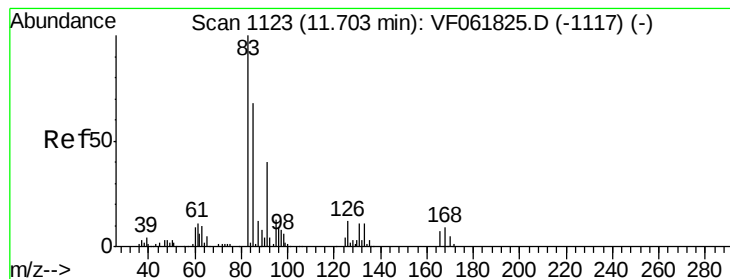
Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 20.345 ug/l

RT: 11.69 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VF061845.D

Acq: 5 Mar 2019 15:12

Instrument :

MSVOA_F

ClientSampleId :

VF0305SBS01

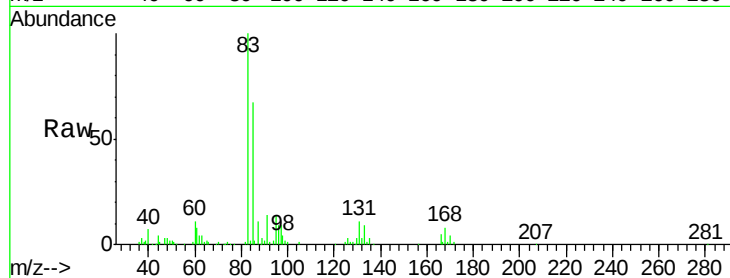
Tot Ion: 83 Resp: 52727

Ion Ratio Lower Upper

83 100

131 10.7 5.5 16.7

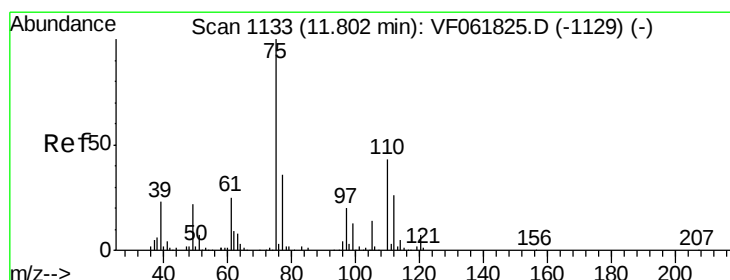
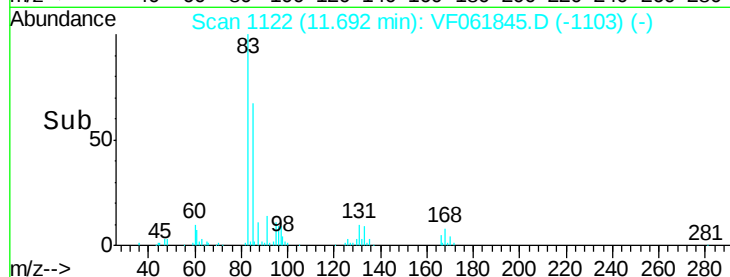
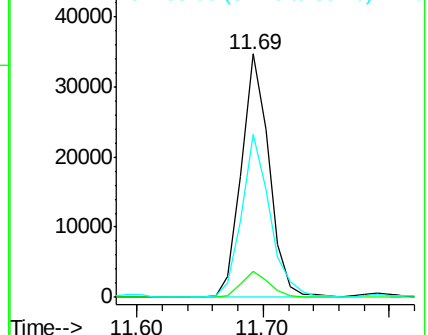
85 66.9 34.2 102.6



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: 21.624 ug/l

RT: 11.79 min Scan# 1132

Delta R.T. -0.01 min

Lab File: VF061845.D

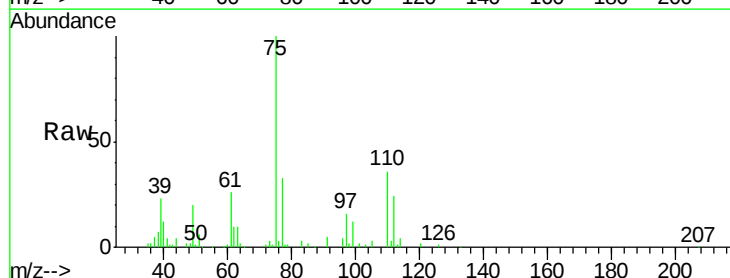
Acq: 5 Mar 2019 15:12

Tgt Ion: 75 Resp: 38248

Ion Ratio Lower Upper

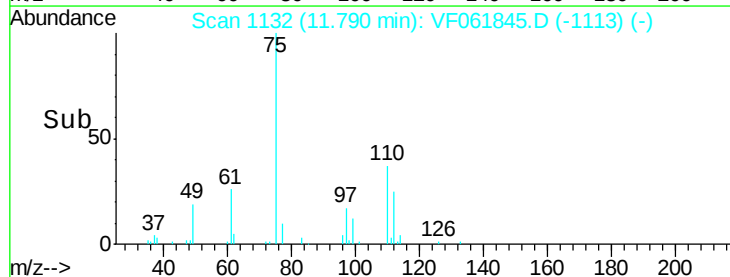
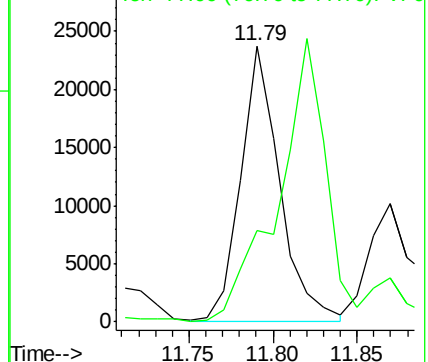
75 100

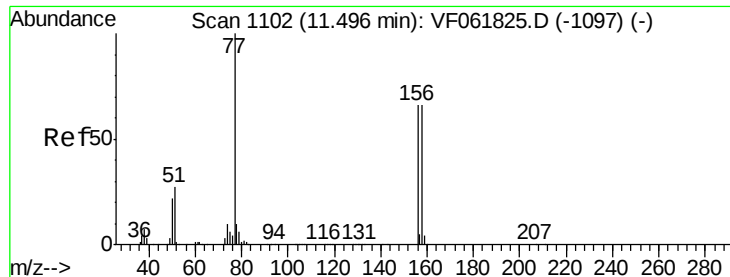
77 33.2 18.1 54.4



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 21.350 ug/l

RT: 11.49 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VF061845.D

Acq: 5 Mar 2019 15:12

Instrument :

MSVOA_F

ClientSampleId :

VF0305SBS01

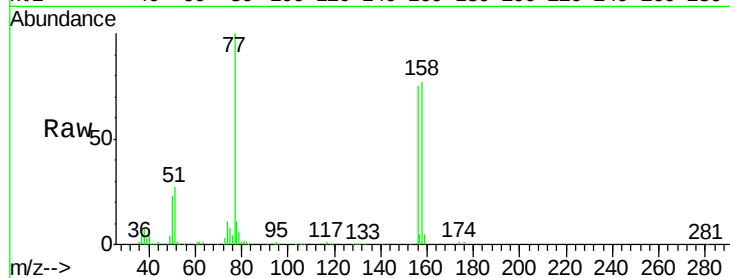
Tot Ion:156 Resp: 80120

Ion Ratio Lower Upper

156 100

77 133.8 75.7 227.1

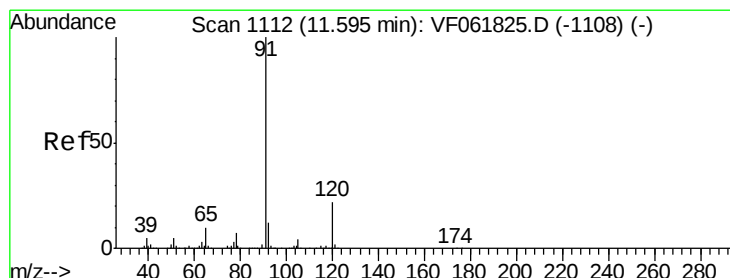
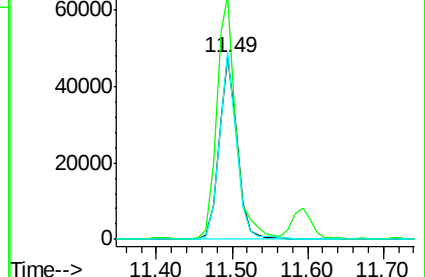
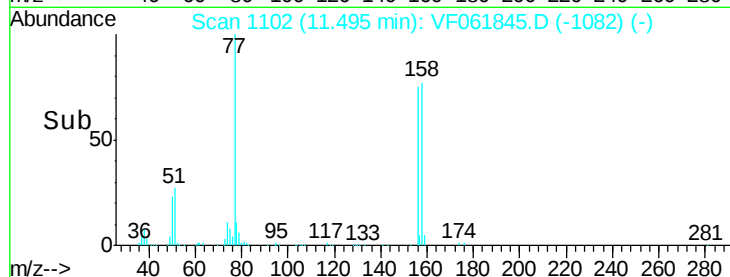
158 103.1 50.0 150.1



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 22.477 ug/l

RT: 11.59 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VF061845.D

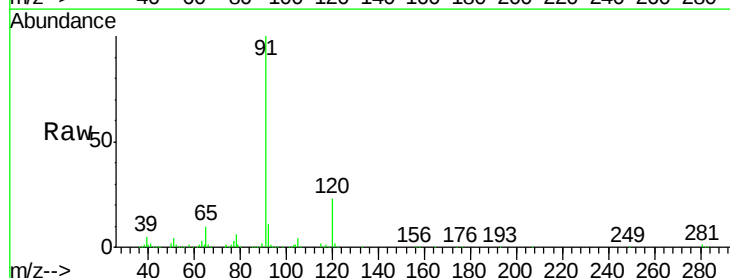
Acq: 5 Mar 2019 15:12

Tgt Ion: 91 Resp: 395795

Ion Ratio Lower Upper

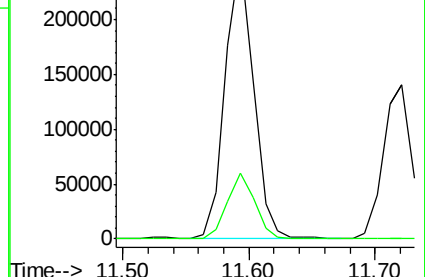
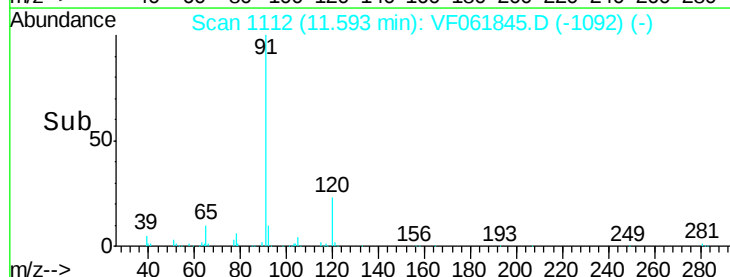
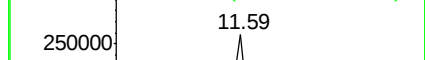
91 100

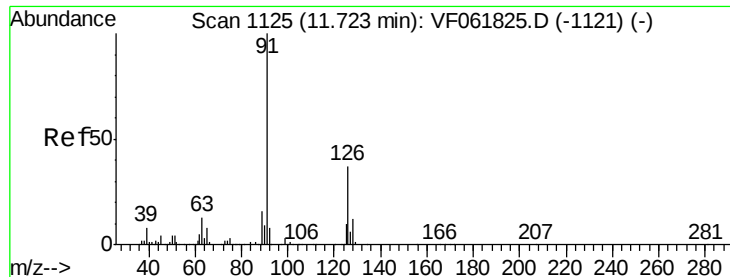
120 23.1 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.092 ug/l

RT: 11.72 min Scan# 1125

Delta R.T. -0.00 min

Lab File: VF061845.D

Acq: 5 Mar 2019 15:12

Instrument :

MSVOA_F

ClientSampleId :

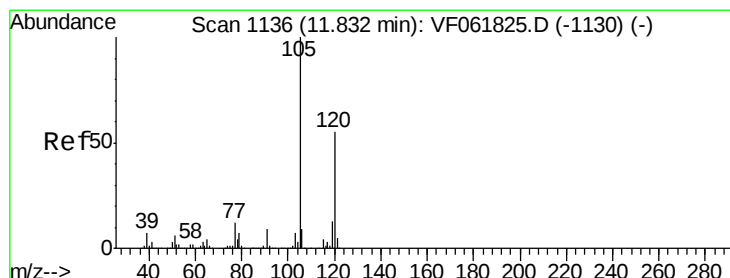
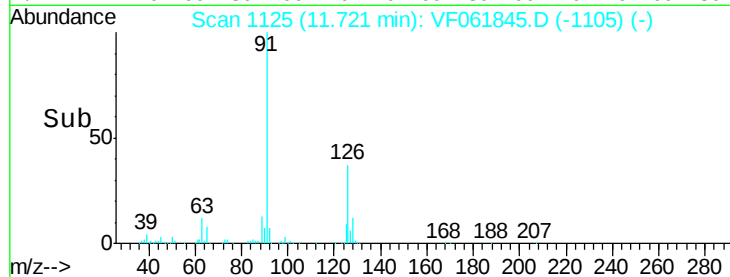
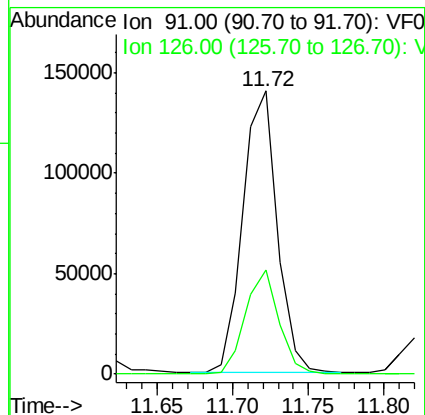
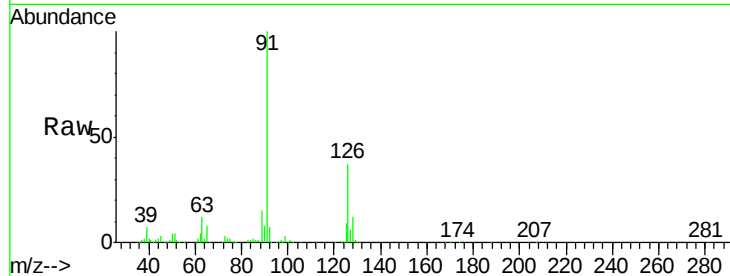
VF0305SBS01

Tot Ion: 91 Resp: 222409

Ion Ratio Lower Upper

91 100

126 36.7 18.1 54.4



#80

1,3,5-Trimethylbenzene

Concen: 22.594 ug/l

RT: 11.82 min Scan# 1135

Delta R.T. -0.01 min

Lab File: VF061845.D

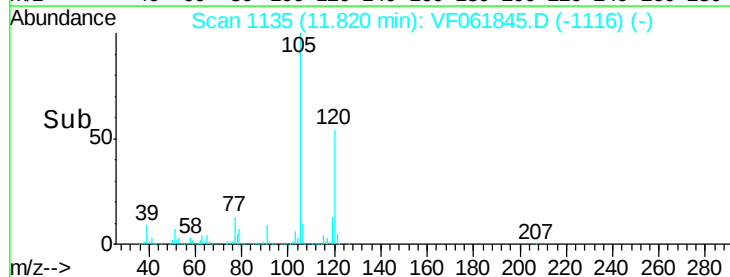
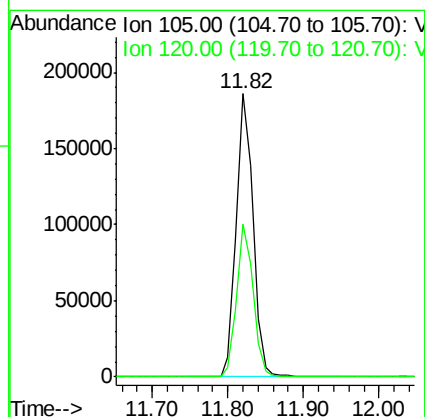
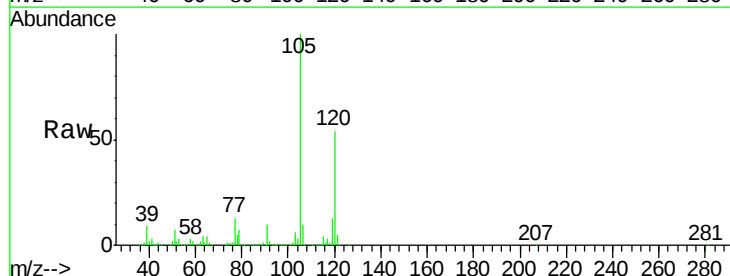
Acq: 5 Mar 2019 15:12

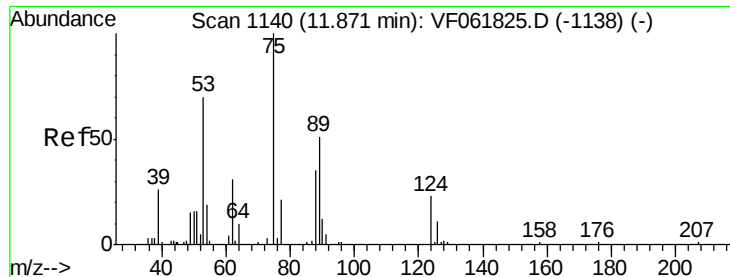
Tgt Ion:105 Resp: 282865

Ion Ratio Lower Upper

105 100

120 53.8 27.4 82.2





#81

trans-1,4-Dichloro-2-butene

Concen: 27.346 ug/l

RT: 11.87 min Scan# 1140

Delta R.T. -0.00 min

Lab File: VF061845.D

Acq: 5 Mar 2019 15:12

Instrument :

MSVOA_F

ClientSampleId :

VF0305SBS01

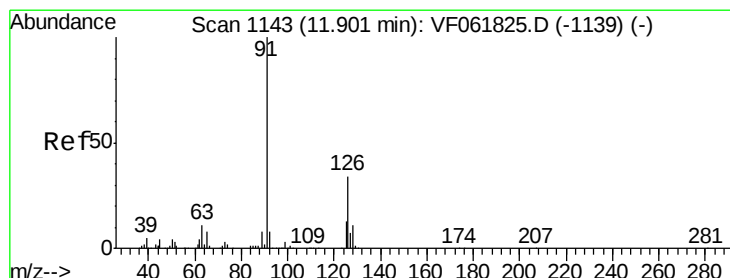
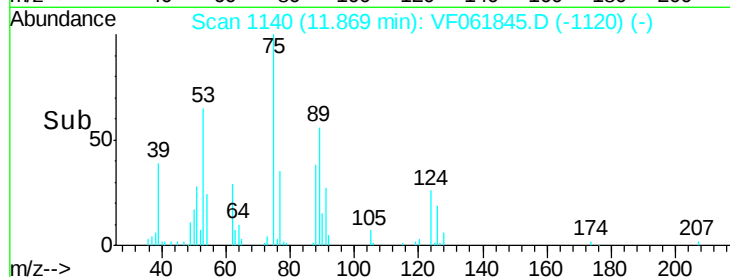
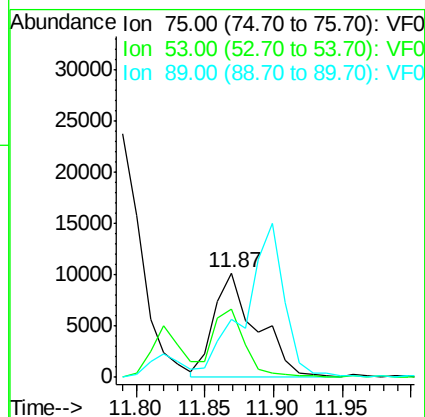
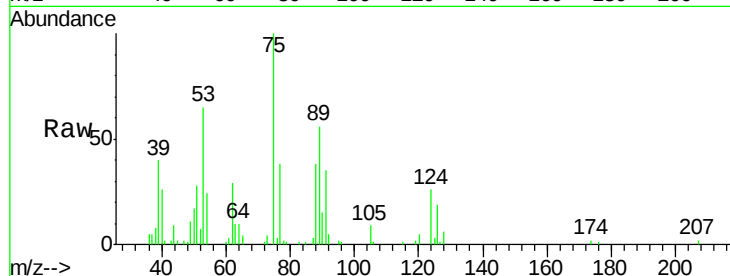
Tot Ion: 75 Resp: 22118

Ion Ratio Lower Upper

75 100

53 65.2 58.6 88.0

89 55.7 41.4 62.0



#82

4-Chlorotoluene

Concen: 22.081 ug/l

RT: 11.90 min Scan# 1143

Delta R.T. -0.00 min

Lab File: VF061845.D

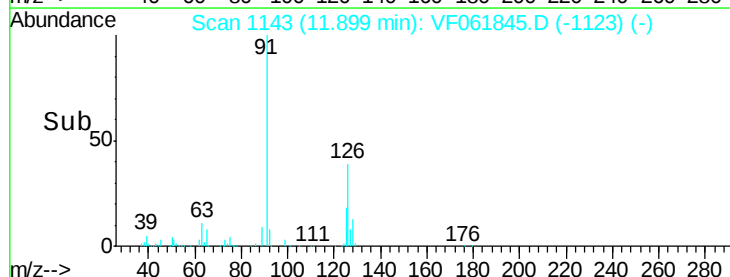
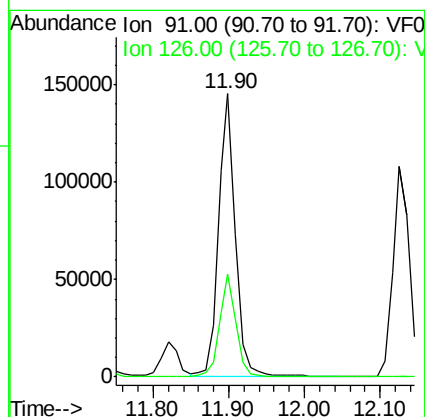
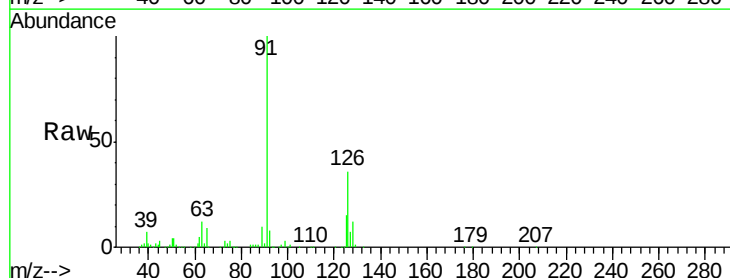
Acq: 5 Mar 2019 15:12

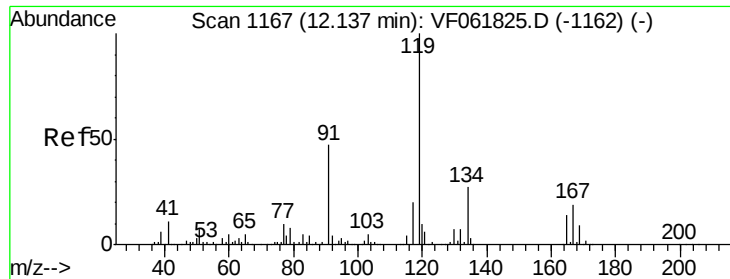
Tgt Ion: 91 Resp: 227377

Ion Ratio Lower Upper

91 100

126 36.3 17.0 50.9

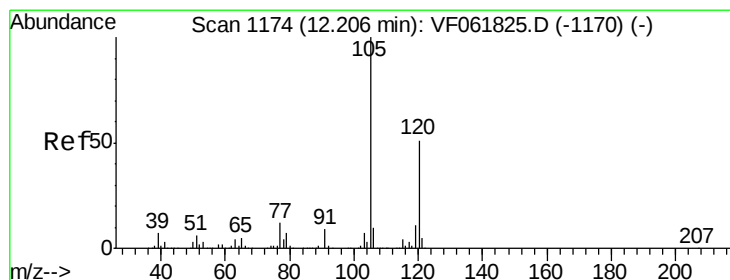
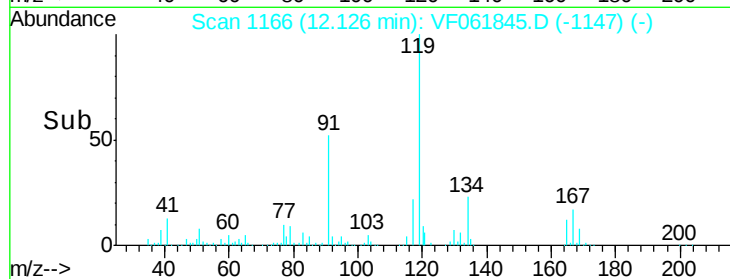
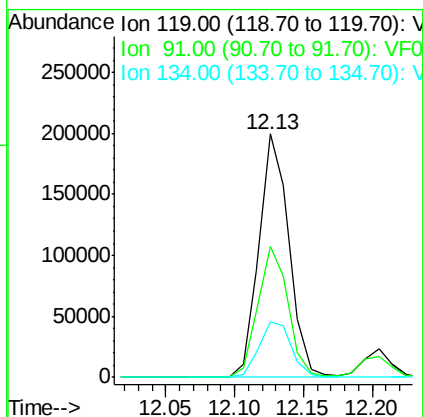
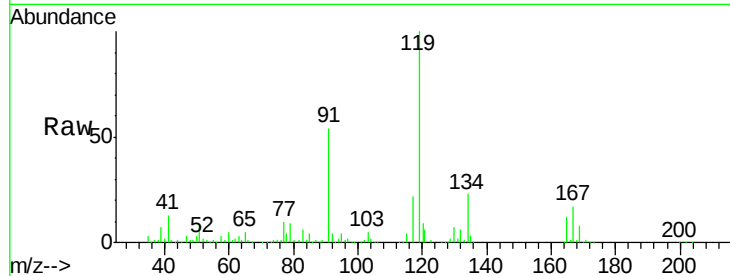




#83
 tert-Butylbenzene
 Concen: 22.895 ug/l
 RT: 12.13 min Scan# 1166
 Delta R.T. -0.01 min
 Lab File: VF061845.D
 Acq: 5 Mar 2019 15:12

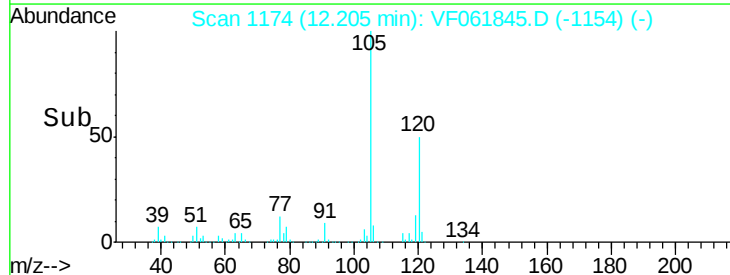
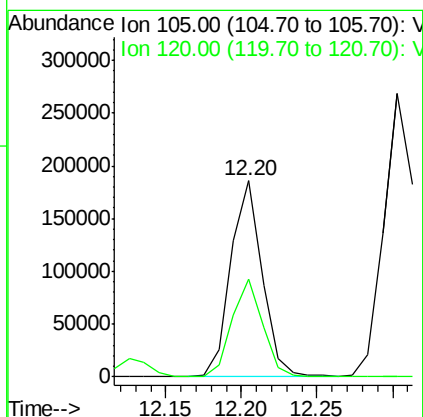
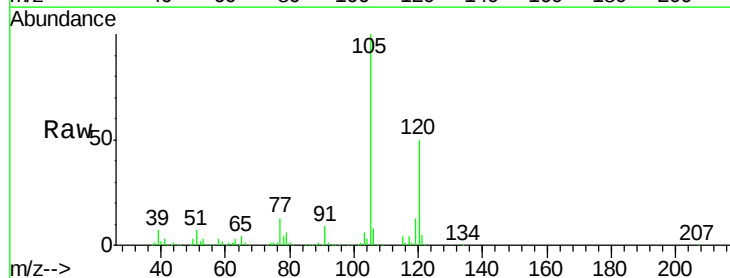
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0305SBS01

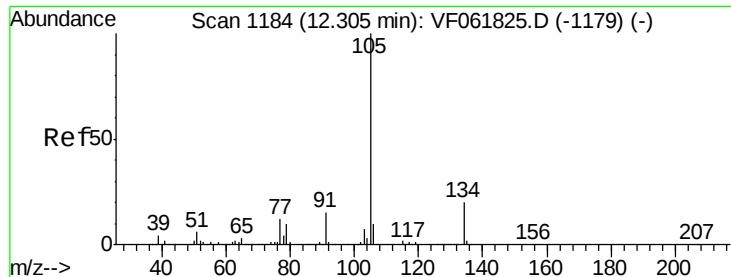
Tot Ion:119 Resp: 304354
 Ion Ratio Lower Upper
 119 100
 91 54.0 23.5 70.5
 134 22.9 13.3 39.8



#84
 1,2,4-Trimethylbenzene
 Concen: 21.895 ug/l
 RT: 12.20 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: VF061845.D
 Acq: 5 Mar 2019 15:12

Tgt Ion:105 Resp: 268711
 Ion Ratio Lower Upper
 105 100
 120 49.7 25.8 77.4





#85

sec-Butylbenzene

Concen: 22.564 ug/l

RT: 12.30 min Scan# 1184

Delta R.T. -0.00 min

Lab File: VF061845.D

Acq: 5 Mar 2019 15:12

Instrument :

MSVOA_F

ClientSampleId :

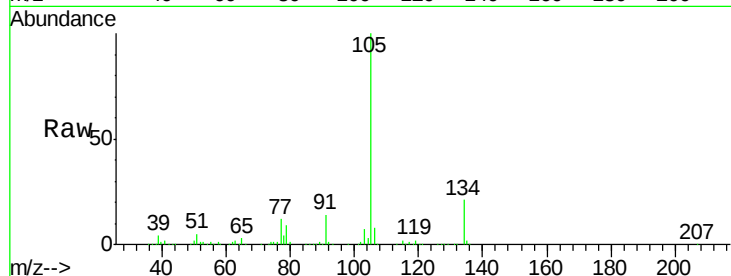
VF0305SBS01

Tot Ion:105 Resp: 390346

Ion Ratio Lower Upper

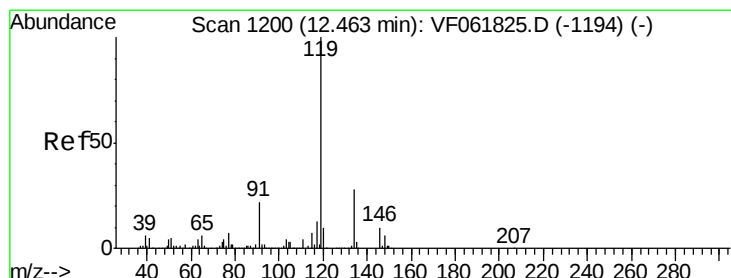
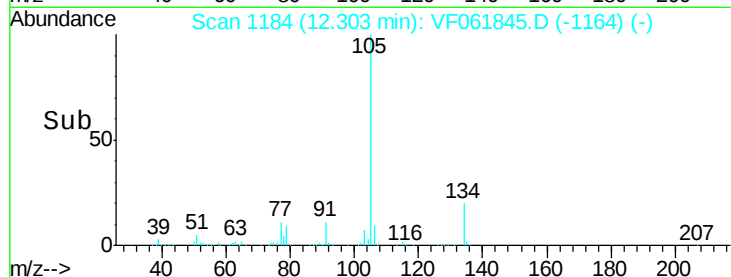
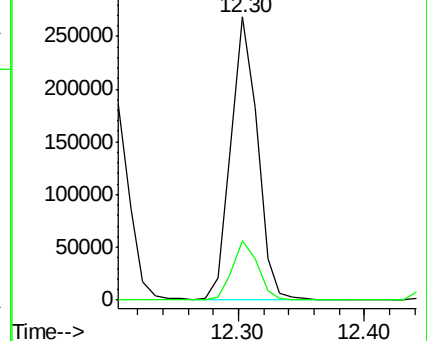
105 100

134 21.0 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: 22.396 ug/l

RT: 12.46 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VF061845.D

Acq: 5 Mar 2019 15:12

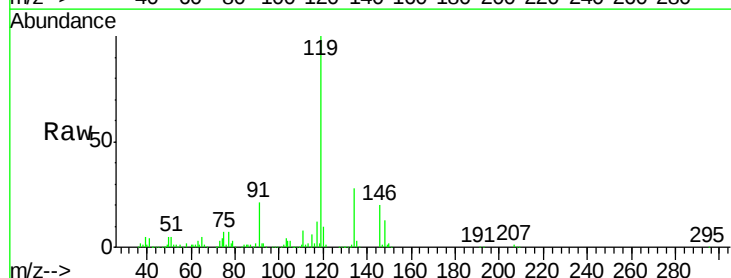
Tgt Ion:119 Resp: 329338

Ion Ratio Lower Upper

119 100

134 27.7 14.0 42.0

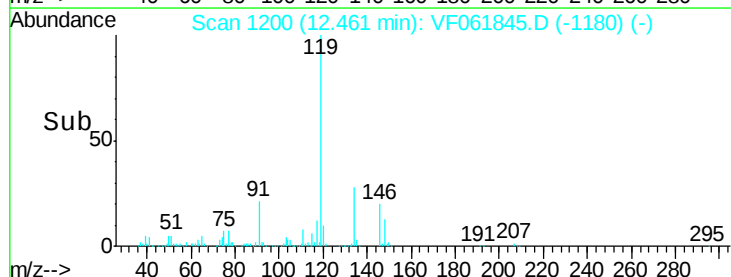
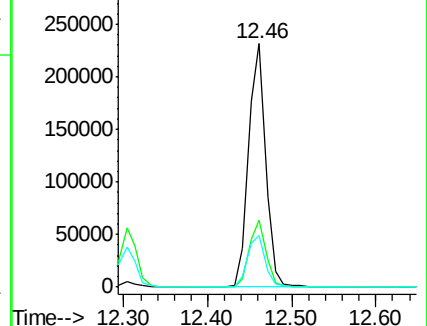
91 21.4 11.1 33.3

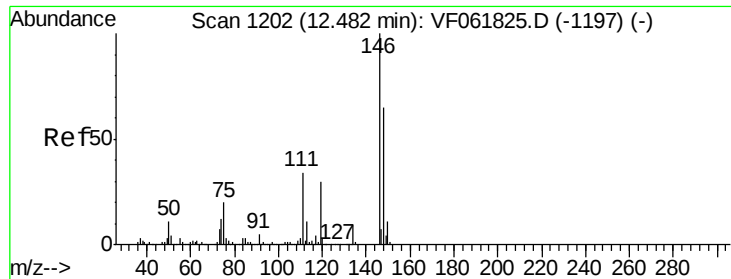


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

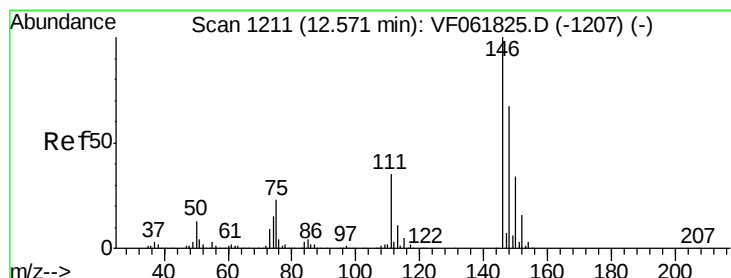
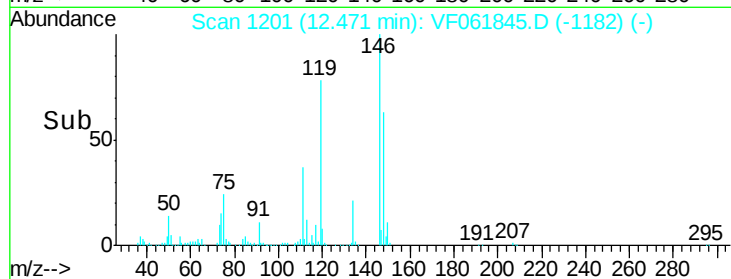
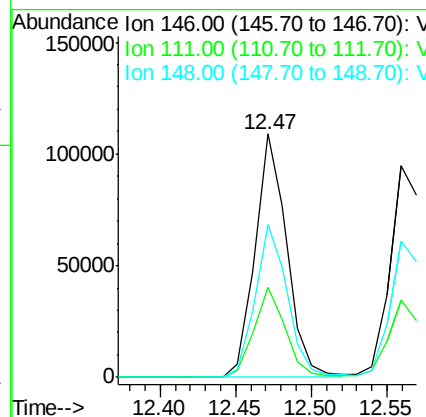
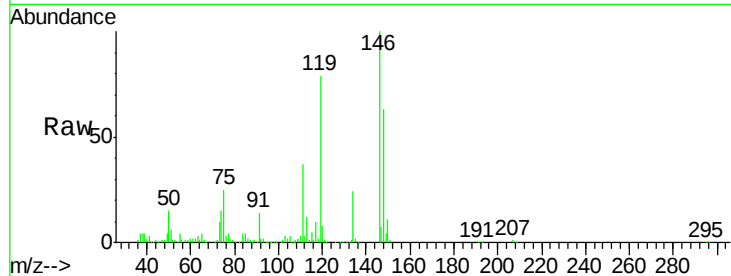




#87
 1,3-Dichlorobenzene
 Concen: 22.405 ug/l
 RT: 12.47 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: VF061845.D
 Acq: 5 Mar 2019 15:12

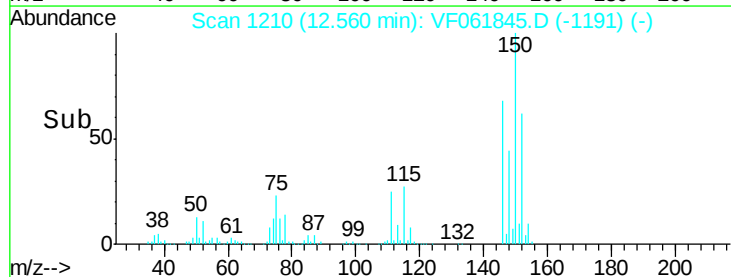
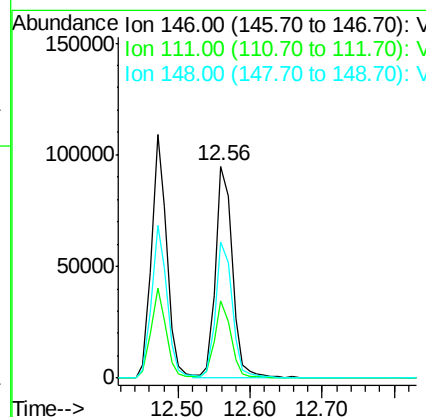
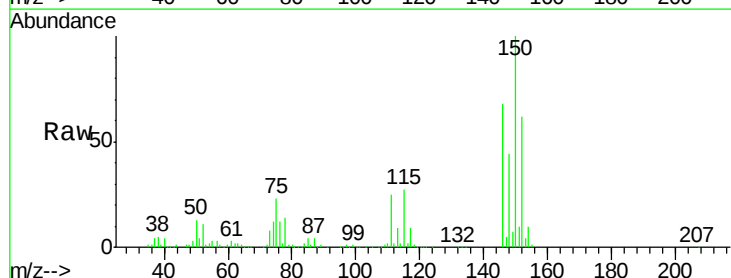
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0305SBS01

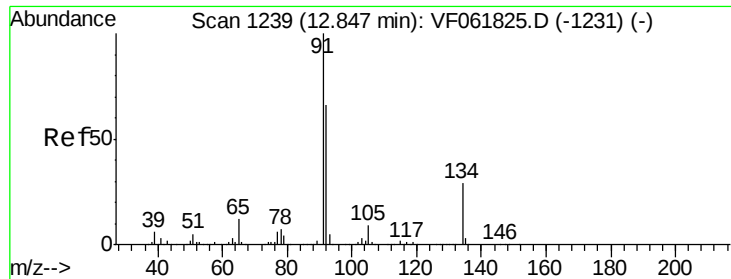
Tot Ion	Ratio	Lower	Upper
146	100		
111	36.9	17.0	51.0
148	62.9	32.5	97.5



#88
 1,4-Dichlorobenzene
 Concen: 22.344 ug/l
 RT: 12.56 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: VF061845.D
 Acq: 5 Mar 2019 15:12

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.1	17.6	52.9
148	64.5	33.5	100.4

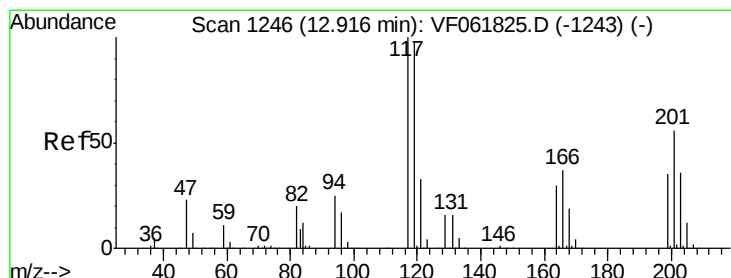
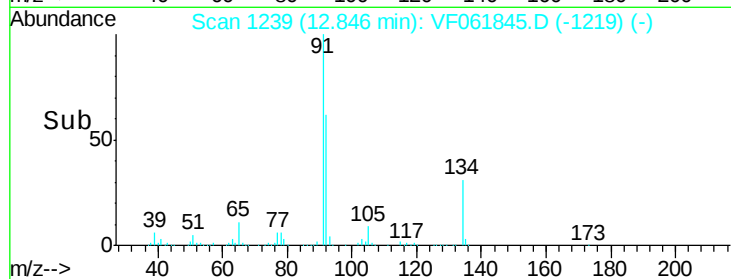
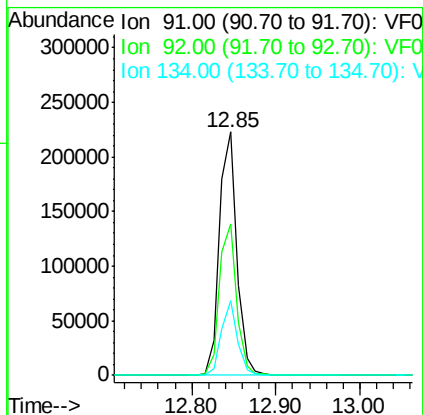
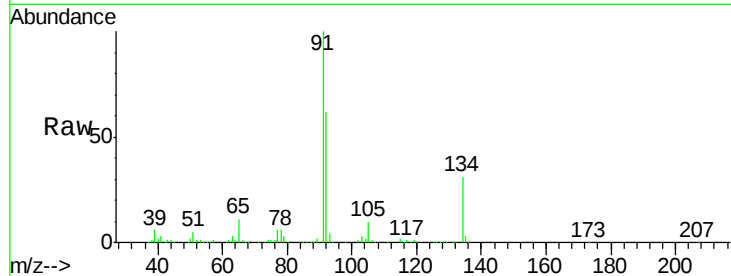




#89
n-Butylbenzene
Concen: 22.955 ug/l
RT: 12.85 min Scan# 1239
Delta R.T. -0.00 min
Lab File: VF061845.D
Acq: 5 Mar 2019 15:12

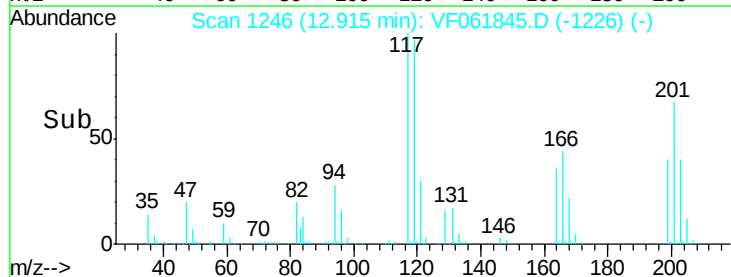
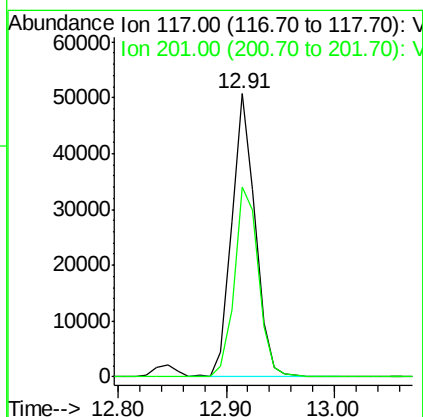
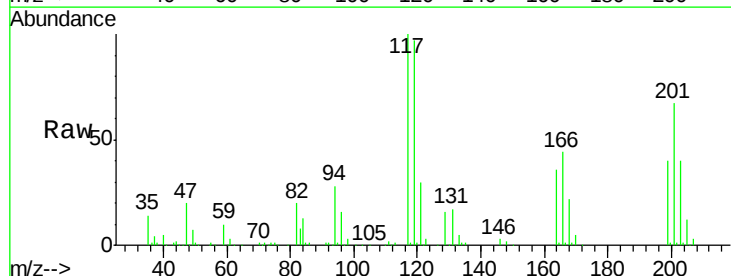
Instrument :
MSVOA_F
ClientSampleId :
VF0305SBS01

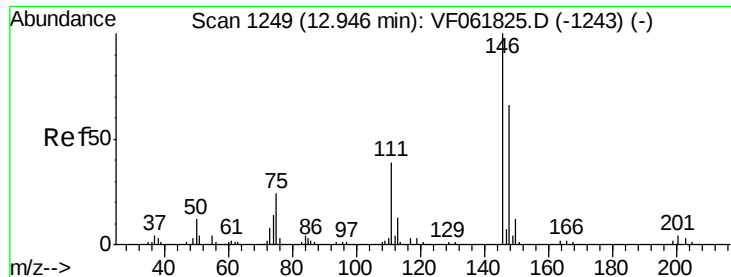
Tot Ion: 91 Resp: 322586
Ion Ratio Lower Upper
91 100
92 62.0 32.9 98.6
134 30.7 14.5 43.6



#90
Hexachloroethane
Concen: 21.663 ug/l
RT: 12.91 min Scan# 1246
Delta R.T. -0.00 min
Lab File: VF061845.D
Acq: 5 Mar 2019 15:12

Tgt Ion: 117 Resp: 76675
Ion Ratio Lower Upper
117 100
201 66.9 27.8 83.4

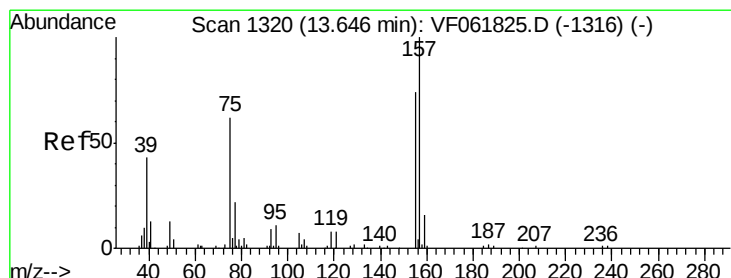
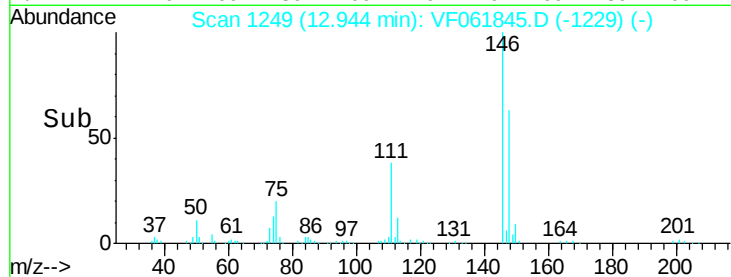
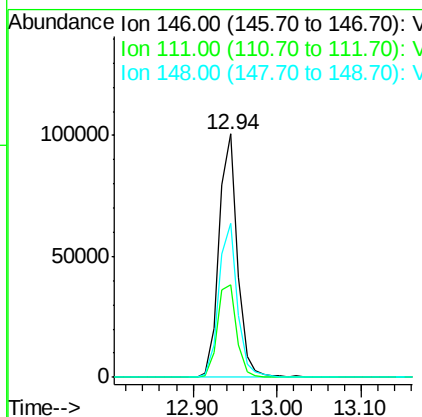
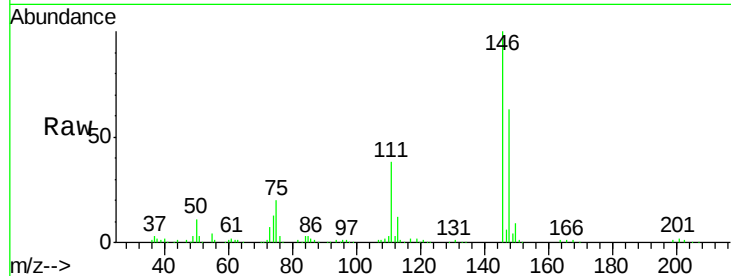




#91
 1,2-Dichlorobenzene
 Concen: 22.782 ug/l
 RT: 12.94 min Scan# 1249
 Delta R.T. -0.00 min
 Lab File: VF061845.D
 Acq: 5 Mar 2019 15:12

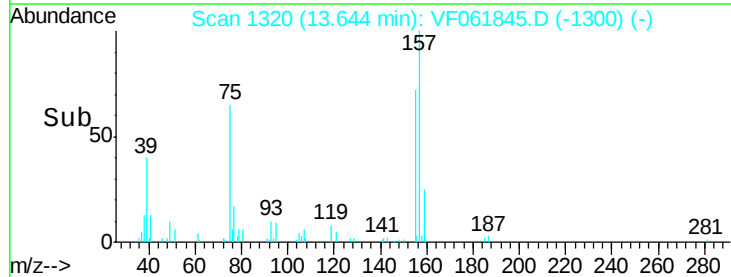
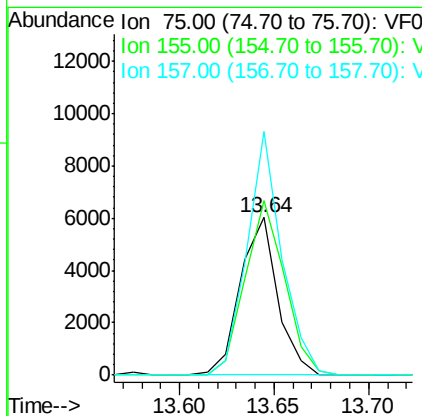
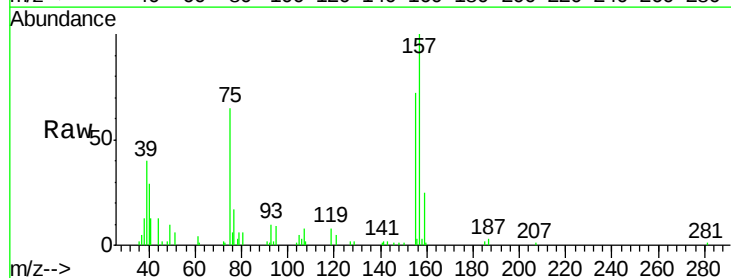
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0305SBS01

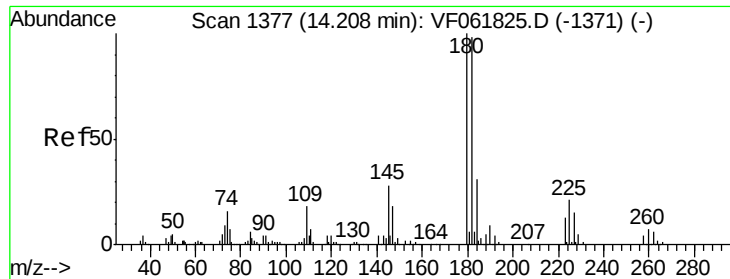
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	19.4	58.4
148	63.4	33.0	98.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.687 ug/l
 RT: 13.64 min Scan# 1320
 Delta R.T. -0.00 min
 Lab File: VF061845.D
 Acq: 5 Mar 2019 15:12

Tgt Ion	Ratio	Lower	Upper
75	100		
155	110.9	59.8	179.4
157	154.3	81.2	243.4

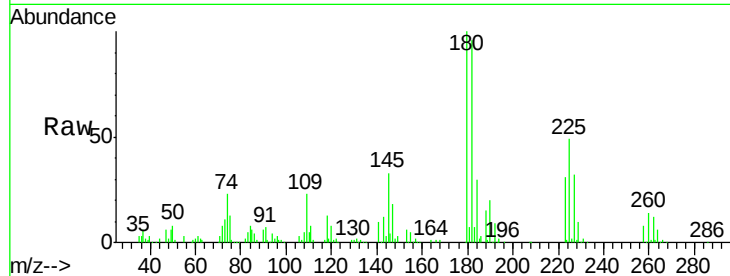




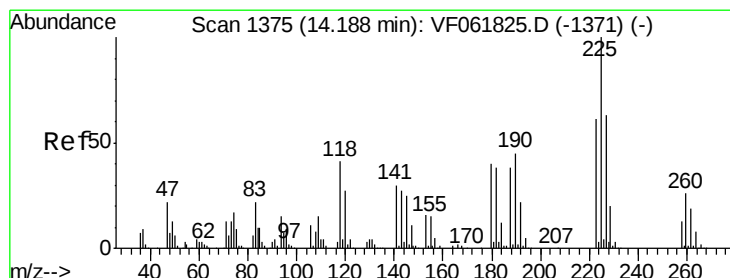
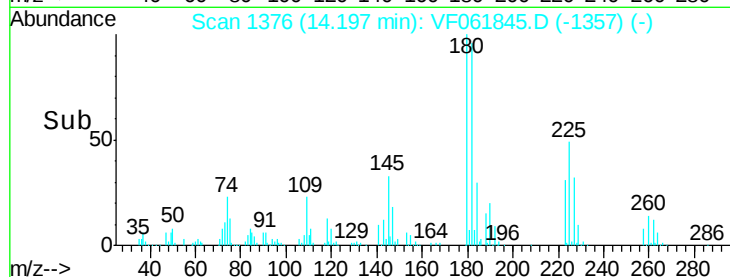
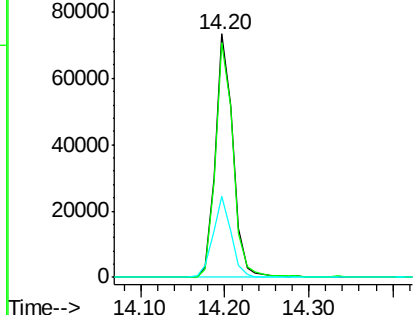
#93
 1,2,4-Trichlorobenzene
 Concen: 22.585 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. -0.01 min
 Lab File: VF061845.D
 Acq: 5 Mar 2019 15:12

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0305SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.3	49.0	147.2
145	33.5	14.1	42.4

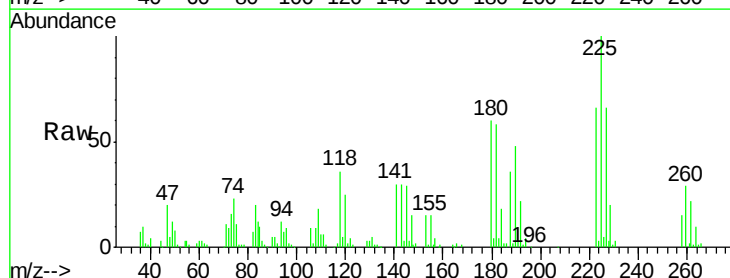


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

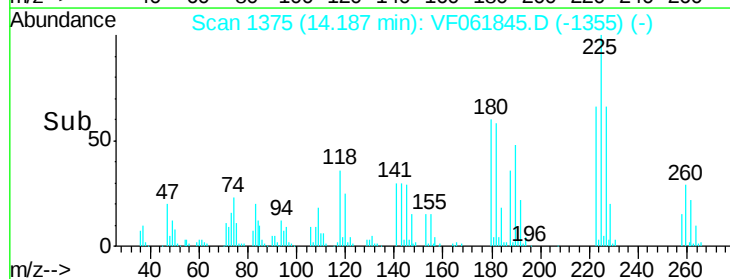
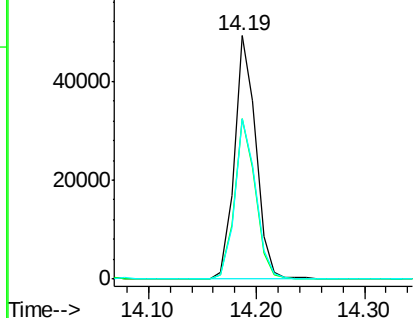


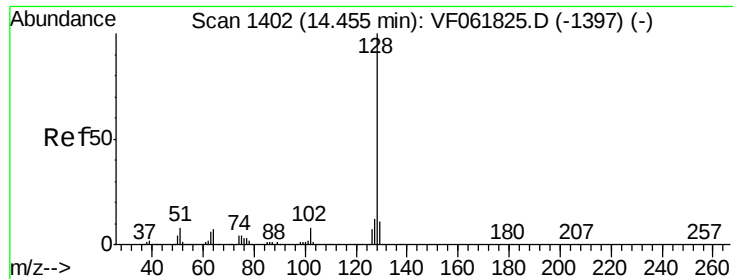
#94
 Hexachlorobutadiene
 Concen: 20.815 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.00 min
 Lab File: VF061845.D
 Acq: 5 Mar 2019 15:12

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.9	30.3	90.9
227	66.1	31.3	93.8



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

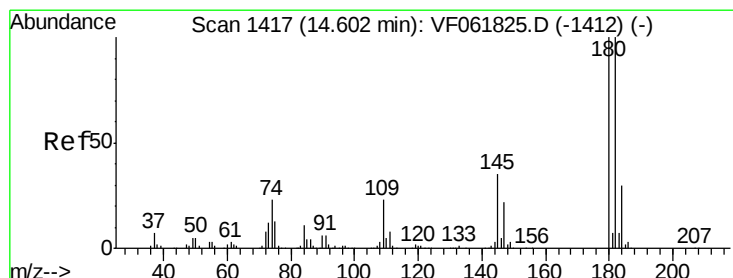
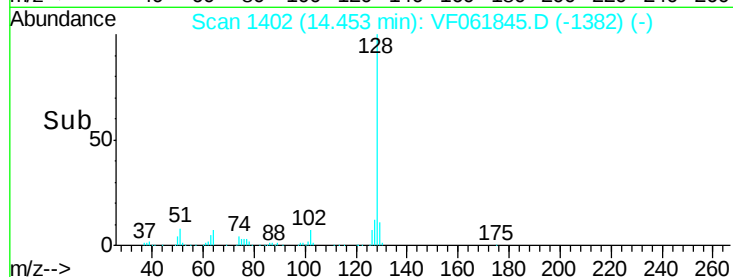
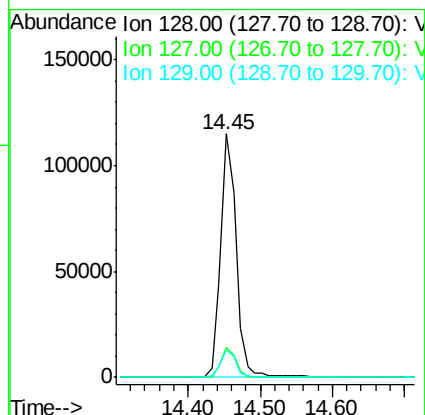
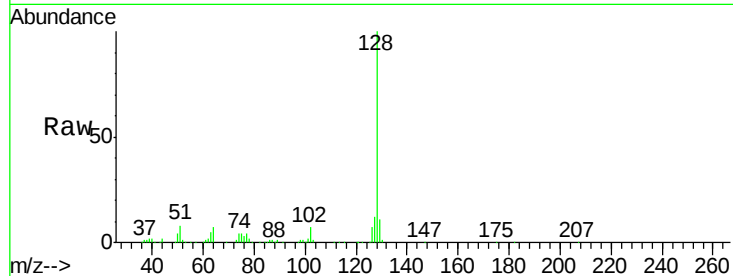




#95
Naphthalene
Concen: 20.344 ug/l
RT: 14.45 min Scan# 1402
Delta R.T. -0.00 min
Lab File: VF061845.D
Acq: 5 Mar 2019 15:12

Instrument :
MSVOA_F
ClientSampleId :
VF0305SBS01

Tot Ion:128 Resp: 171504
Ion Ratio Lower Upper
128 100
127 12.0 9.3 13.9
129 11.1 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 22.320 ug/l
RT: 14.60 min Scan# 1417
Delta R.T. -0.00 min
Lab File: VF061845.D
Acq: 5 Mar 2019 15:12

Tgt Ion:180 Resp: 97541
Ion Ratio Lower Upper
180 100
182 94.1 50.2 150.7
145 30.6 17.5 52.5

