

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF032519\
 Data File : VF062127.D
 Acq On : 25 Mar 2019 12:48
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Mar 26 04:15:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F032219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 23 01:16:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	264583	50.00	ug/l	-0.05
34) 1,4-Difluorobenzene	5.59	114	423526	50.00	ug/l	-0.04
63) Chlorobenzene-d5	9.77	117	346804	50.00	ug/l	-0.04
72) 1,4-Dichlorobenzene-d4	12.55	152	178672	50.00	ug/l	-0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.84	65	100316	50.97	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	101.94%	
35) Dibromofluoromethane	4.11	113	152603	53.26	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	106.52%	
50) Toluene-d8	7.55	98	442206	51.71	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	103.42%	
62) 4-Bromofluorobenzene	11.41	95	166436	50.41	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	100.82%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	0.96	85	180492	53.250	ug/l 97
3) Chloromethane	1.09	50	189003	53.291	ug/l 99
4) Vinyl Chloride	1.13	62	180240	54.942	ug/l 99
5) Bromomethane	1.32	94	124286	52.704	ug/l 98
6) Chloroethane	1.39	64	89564	54.234	ug/l 92
7) Trichlorofluoromethane	1.48	101	223201	56.335	ug/l 98
8) Diethyl Ether	1.62	74	43997	48.613	ug/l 88
9) 1,1,2-Trichlorotrifluoroet	1.82	101	143230	52.990	ug/l 93
10) Methyl Iodide	1.90	142	211497	41.175	ug/l 96
11) Tert butyl alcohol	2.55	59	28077	259.294	ug/l 100
12) 1,1-Dichloroethene	1.79	96	129446	50.755	ug/l 97
13) Acrolein	2.00	56	36521	280.478	ug/l 91
14) Allyl chloride	2.10	41	192946	70.860	ug/l 100
15) Acrylonitrile	2.93	53	92853	243.854	ug/l 95
16) Acetone	2.23	43	120940	291.988	ug/l 99
17) Carbon Disulfide	1.82	76	412999	53.105	ug/l 97
18) Methyl Acetate	2.34	43	48126	48.710	ug/l 92
19) Methyl tert-butyl Ether	2.42	73	215947	53.574	ug/l 98
20) Methylene Chloride	2.18	84	51590	18.706	ug/l 96
21) trans-1,2-Dichloroethene	2.30	96	129252	52.673	ug/l 91
22) Diisopropyl ether	2.80	45	372500	52.178	ug/l 98
23) Vinyl Acetate	3.18	43	799639	273.574	ug/l 100
24) 1,1-Dichloroethane	2.87	63	224044	52.333	ug/l 99
25) 2-Butanone	4.33	43	226486	261.929	ug/l 95
26) 2,2-Dichloropropane	3.60	77	95826	55.205	ug/l 97
27) cis-1,2-Dichloroethene	3.47	96	169994	52.279	ug/l 96
28) Bromochloromethane	3.71	49	88107	50.370	ug/l 100
29) Tetrahydrofuran	4.07	42	94613	251.662	ug/l 96
30) Chloroform	3.85	83	235383	52.025	ug/l 98
31) Cyclohexane	3.68	56	231121	51.690	ug/l 97
32) 1,1,1-Trichloroethane	4.09	97	174084	63.252	ug/l 99
36) 1,1-Dichloropropene	4.28	75	207851	51.524	ug/l 95
37) Ethyl Acetate	4.10	43	82856	46.997	ug/l # 68
38) Carbon Tetrachloride	3.99	117	151414	55.070	ug/l 94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	5.45	83	246505	52.650	ug/l	96
40) Benzene	4.63	78	541420	50.064	ug/l	98
41) Methacrylonitrile	4.74	41	42646	45.717	ug/l	95
42) 1,2-Dichloroethane	4.94	62	128002	50.052	ug/l	97
43) Isopropyl Acetate	6.95	43	103791	48.612	ug/l #	97
44) Trichloroethene	5.50	130	166021	50.212	ug/l	94
45) 1,2-Dichloropropane	6.22	63	116840	45.298	ug/l	99
46) Dibromomethane	6.08	93	77813	49.339	ug/l	97
47) Bromodichloromethane	6.38	83	180150	51.570	ug/l	99
48) Methyl methacrylate	6.71	41	58807	48.374	ug/l	98
49) 1,4-Dioxane	6.70	88	9941	931.936	ug/l	93
51) 4-Methyl-2-Pentanone	8.25	43	348381	243.786	ug/l	98
52) Toluene	7.62	92	330840	52.817	ug/l	99
53) t-1,3-Dichloropropene	8.27	75	143124	52.191	ug/l	94
54) cis-1,3-Dichloropropene	7.29	75	197540	50.344	ug/l	98
55) 1,1,2-Trichloroethane	8.48	97	87602	49.236	ug/l	96
56) Ethyl methacrylate	8.60	69	108560	51.161	ug/l	94
57) 1,3-Dichloropropane	8.84	76	153597	52.014	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.28	63	79390	246.563	ug/l	100
59) 2-Hexanone	9.48	43	259832	248.083	ug/l	96
60) Dibromochloromethane	8.70	129	130177	52.630	ug/l	96
61) 1,2-Dibromoethane	8.98	107	95073	50.085	ug/l	100
64) Tetrachloroethene	8.14	164	137931	51.479	ug/l	94
65) Chlorobenzene	9.79	112	349173	53.810	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.93	131	139363	53.467	ug/l	96
67) Ethyl Benzene	9.90	91	609064	53.972	ug/l	98
68) m/p-Xylenes	10.12	106	448030	106.223	ug/l	97
69) o-Xylene	10.71	106	232028	52.524	ug/l	99
70) Styrene	10.78	104	349360	52.196	ug/l	98
71) Bromoform	10.76	173	67714	50.791	ug/l	96
73) Isopropylbenzene	11.12	105	701218	55.774	ug/l	99
74) N-amyl acetate	11.37	43	157874	52.700	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.69	83	113415	52.538	ug/l	99
76) 1,2,3-Trichloropropane	11.79	75	76069	50.071	ug/l	100
77) Bromobenzene	11.48	156	164128	53.433	ug/l	84
78) n-propylbenzene	11.59	91	762202	52.209	ug/l	96
79) 2-Chlorotoluene	11.71	91	440150	54.243	ug/l	97
80) 1,3,5-Trimethylbenzene	11.82	105	552493	53.425	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.86	75	45112	72.873	ug/l	90
82) 4-Chlorotoluene	11.89	91	441257	53.036	ug/l	99
83) tert-Butylbenzene	12.13	119	583292	53.881	ug/l	100
84) 1,2,4-Trimethylbenzene	12.19	105	541328	53.397	ug/l	96
85) sec-Butylbenzene	12.30	105	732205	52.283	ug/l	96
86) p-Isopropyltoluene	12.45	119	657576	54.196	ug/l	99
87) 1,3-Dichlorobenzene	12.47	146	303163	53.123	ug/l	98
88) 1,4-Dichlorobenzene	12.56	146	288026	51.723	ug/l	94
89) n-Butylbenzene	12.84	91	624688	53.965	ug/l	98
90) Hexachloroethane	12.91	117	154383	53.437	ug/l	79
91) 1,2-Dichlorobenzene	12.93	146	277269	51.743	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.63	75	17709	54.141	ug/l	90

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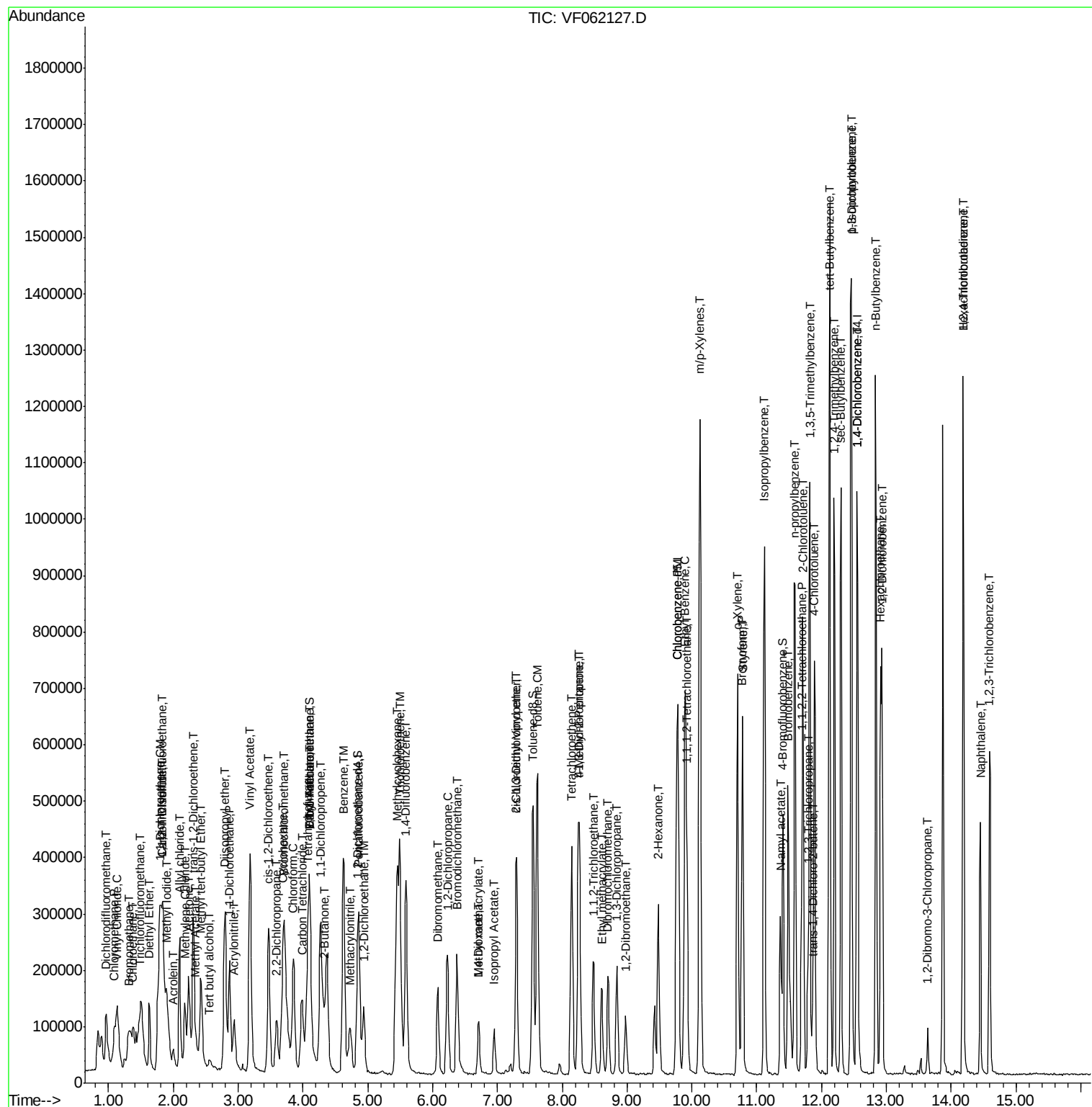
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	198285	53.093	ug/l	96
94) Hexachlorobutadiene	14.19	225	131641	53.013	ug/l	97
95) Naphthalene	14.45	128	337951	51.637	ug/l	99
96) 1,2,3-Trichlorobenzene	14.60	180	191044	54.649	ug/l	98

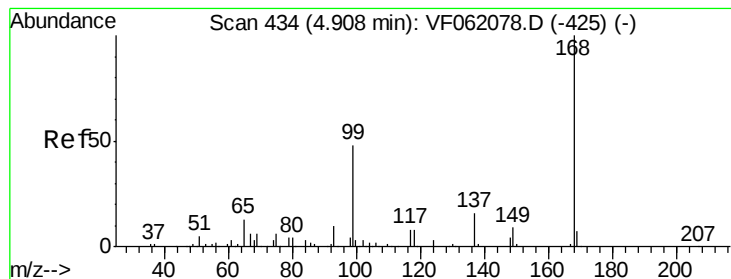
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.05 min

Lab File: VF062127.D

Acq: 25 Mar 2019 12:48

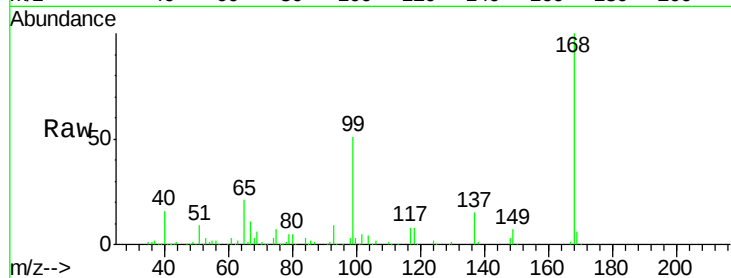
Instrument :
MSVOA_F
ClientSampled :

Tot Ion:168 Resp: 264583

Ion Ratio Lower Upper

168 100

99 50.8 38.2 57.4



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.86

80000

60000

40000

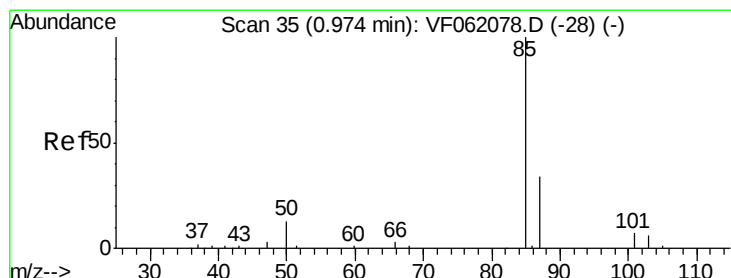
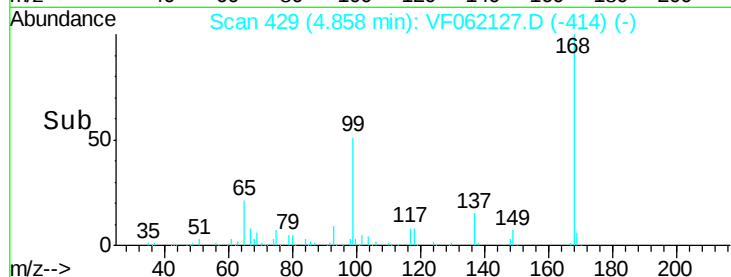
20000

0

Time-->

4.80

5.00



#2

Dichlorodifluoromethane

Concen: 53.250 ug/l

RT: 0.96 min Scan# 34

Delta R.T. -0.01 min

Lab File: VF062127.D

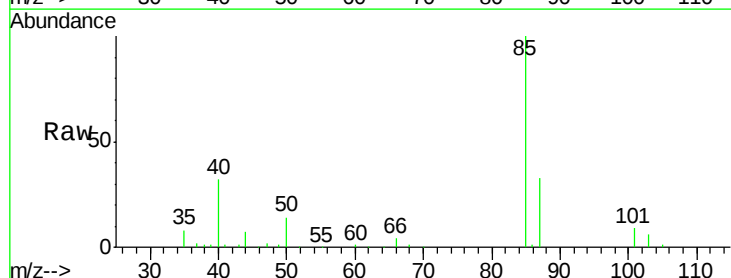
Acq: 25 Mar 2019 12:48

Tgt Ion: 85 Resp: 180492

Ion Ratio Lower Upper

85 100

87 32.5 17.0 51.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

60000

50000

40000

30000

20000

10000

0

Time-->

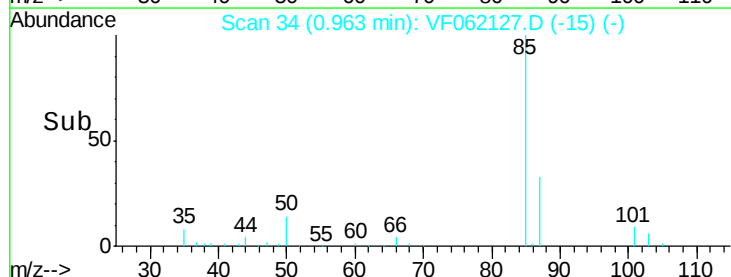
0.80

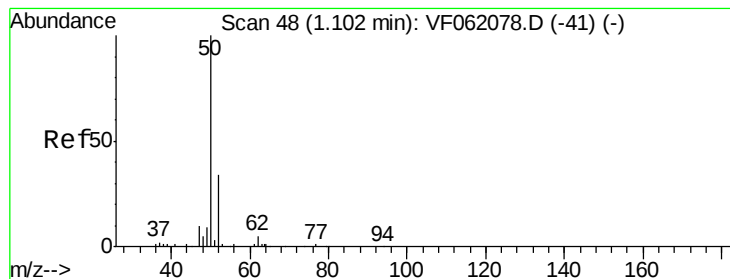
0.90

1.00

1.10

1.20





#3

Chloromethane

Concen: 53.291 ug/l

RT: 1.09 min Scan# 47

Delta R.T. -0.01 min

Lab File: VF062127.D

Acq: 25 Mar 2019 12:48

Instrument :

MSVOA_F

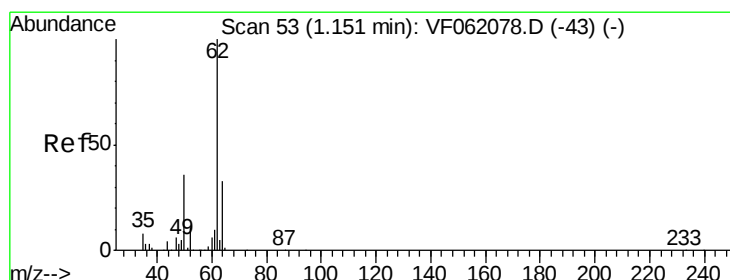
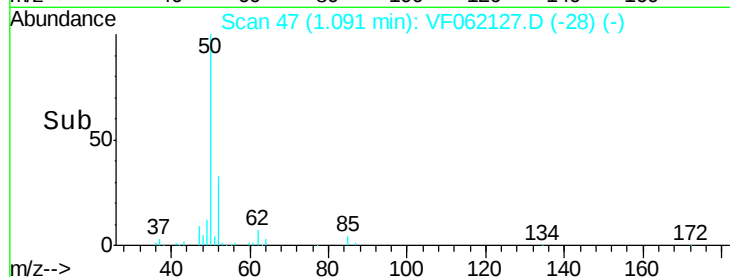
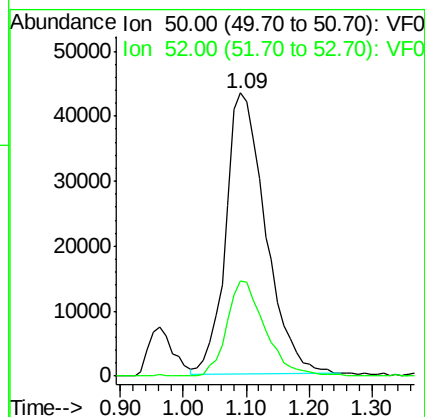
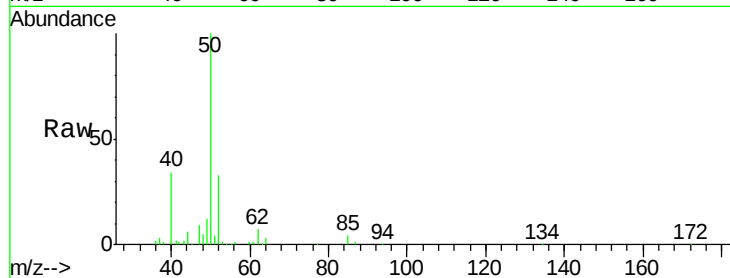
ClientSampleId :

Tot Ion: 50 Resp: 189003

Ion Ratio Lower Upper

50 100

52 33.4 26.1 39.1



#4

Vinyl Chloride

Concen: 54.942 ug/l

RT: 1.13 min Scan# 51

Delta R.T. -0.02 min

Lab File: VF062127.D

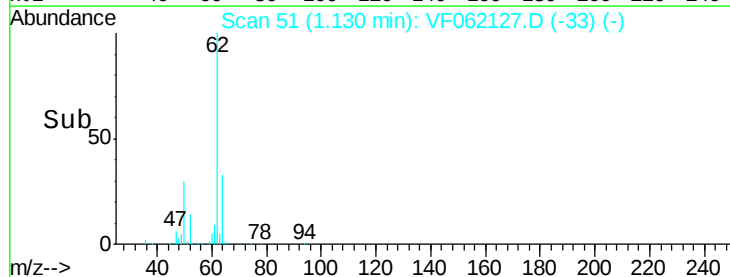
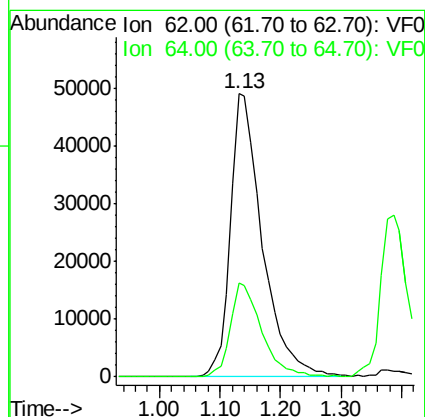
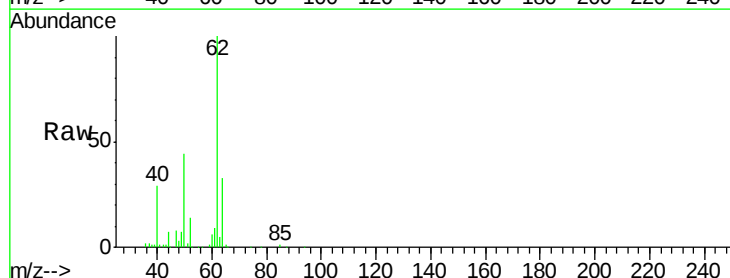
Acq: 25 Mar 2019 12:48

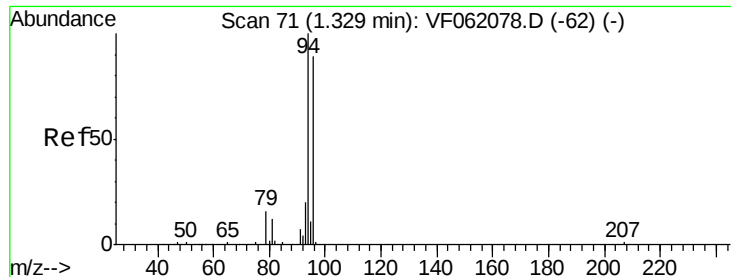
Tgt Ion: 62 Resp: 180240

Ion Ratio Lower Upper

62 100

64 33.3 26.2 39.2





#5

Bromomethane

Concen: 52.704 ug/l

RT: 1.32 min Scan# 70

Delta R.T. -0.01 min

Lab File: VF062127.D

Acq: 25 Mar 2019 12:48

Instrument :

MSVOA_F

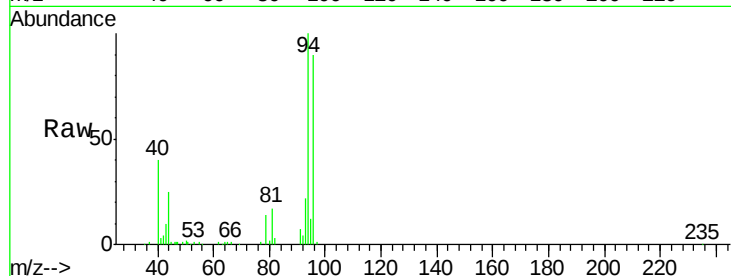
ClientSampleId :

Tot Ion: 94 Resp: 124286

Ion Ratio Lower Upper

94 100

96 90.3 70.9 106.3



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0

1.32

25000

20000

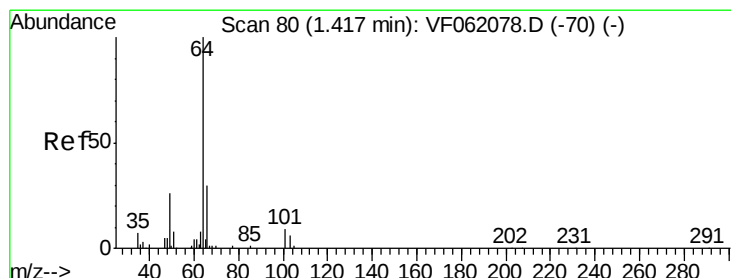
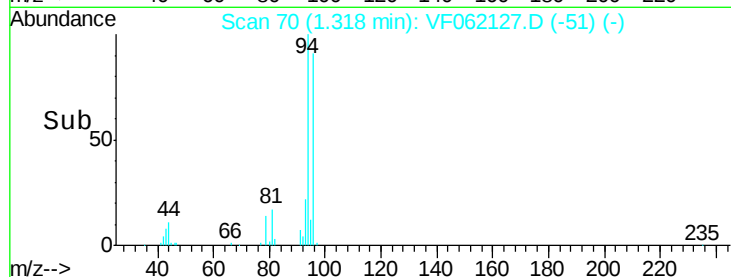
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 54.234 ug/l

RT: 1.39 min Scan# 77

Delta R.T. -0.03 min

Lab File: VF062127.D

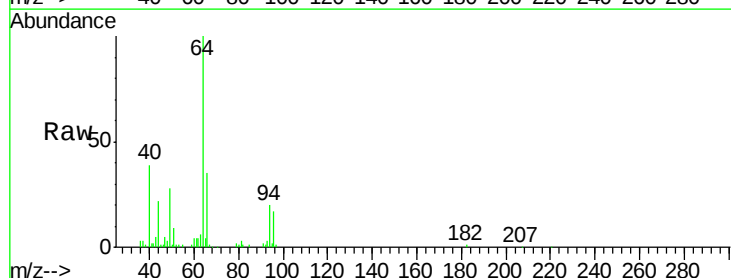
Acq: 25 Mar 2019 12:48

Tgt Ion: 64 Resp: 89564

Ion Ratio Lower Upper

64 100

66 35.0 24.5 36.7



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0

1.39

30000

25000

20000

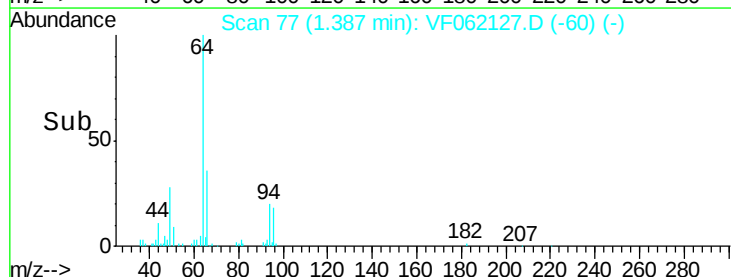
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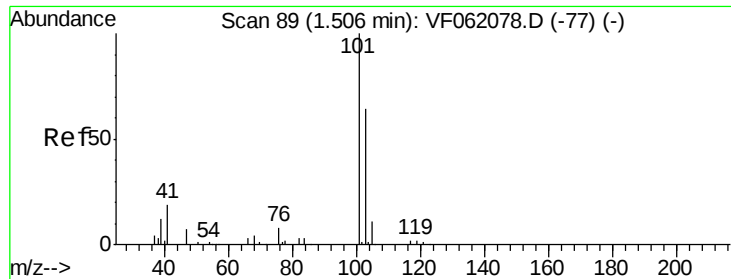
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5000

0

Time-->



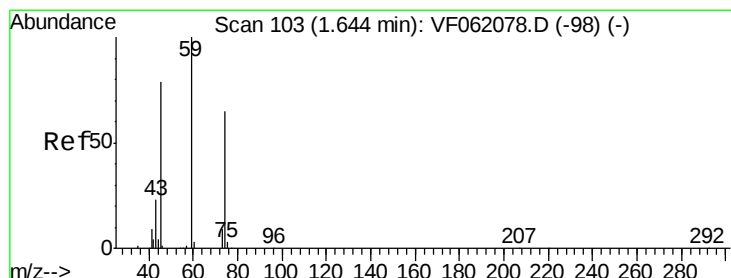
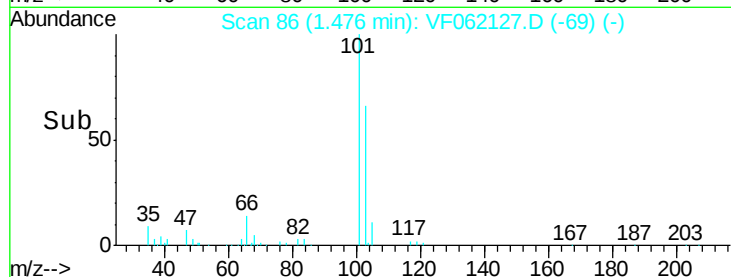
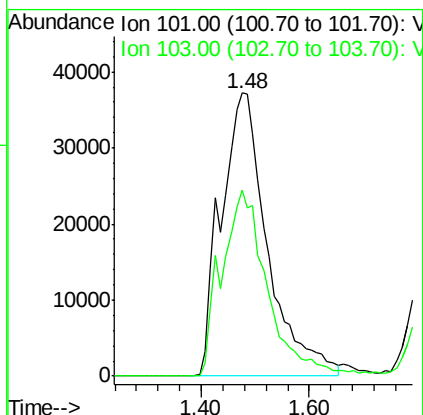
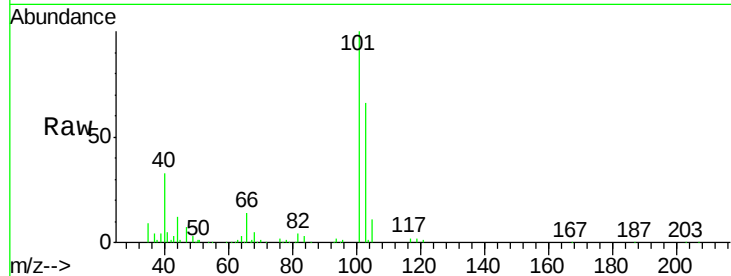


#7

Trichlorofluoromethane
Concen: 56.335 ug/l
RT: 1.48 min Scan# 86
Delta R.T. -0.03 min
Lab File: VF062127.D
Acq: 25 Mar 2019 12:48

Instrument :
MSVOA_F
ClientSampled :

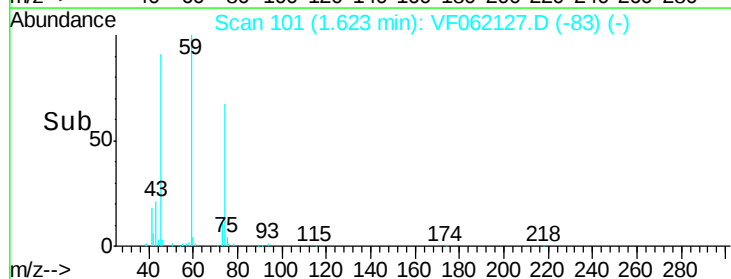
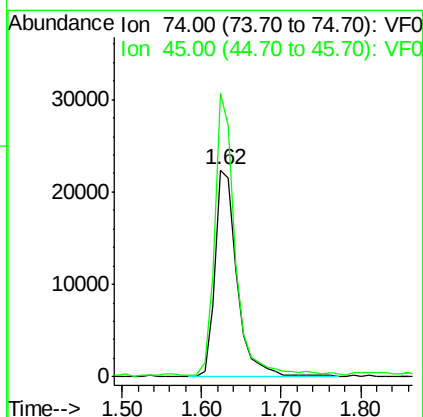
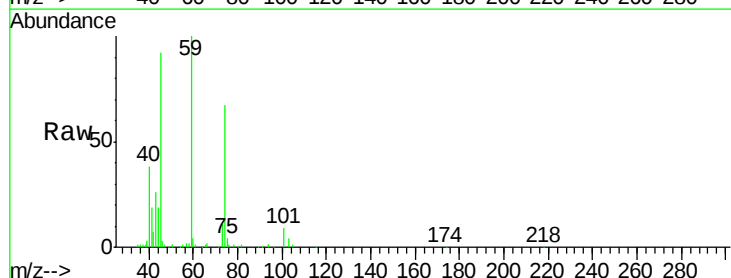
Tot Ion:101 Resp: 223201
Ion Ratio Lower Upper
101 100
103 66.0 51.5 77.3

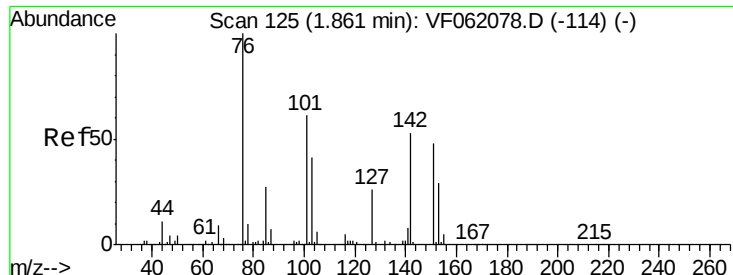


#8

Diethyl Ether
Concen: 48.613 ug/l
RT: 1.62 min Scan# 101
Delta R.T. -0.02 min
Lab File: VF062127.D
Acq: 25 Mar 2019 12:48

Tgt Ion: 74 Resp: 43997
Ion Ratio Lower Upper
74 100
45 136.7 61.4 184.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.990 ug/l

RT: 1.82 min Scan# 121

Delta R.T. -0.04 min

Lab File: VF062127.D

Acq: 25 Mar 2019 12:48

Instrument :

MSVOA_F

ClientSampleId :

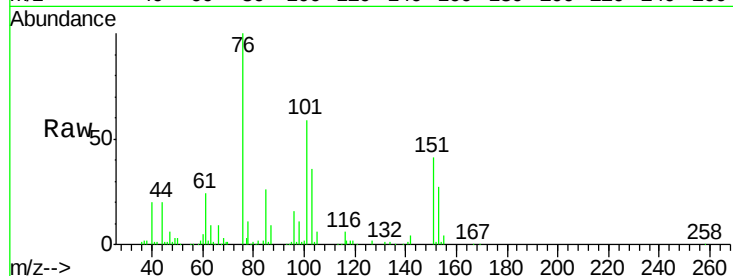
Tot Ion:101 Resp: 143230

Ion Ratio Lower Upper

101 100

85 44.2 34.6 52.0

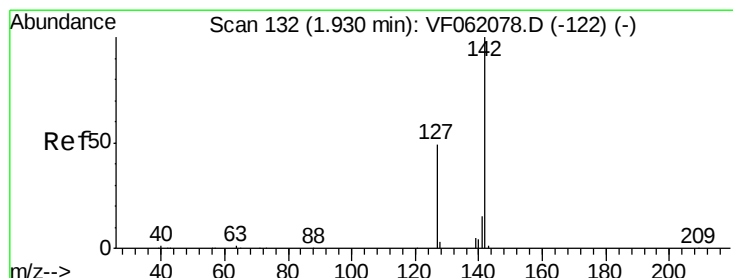
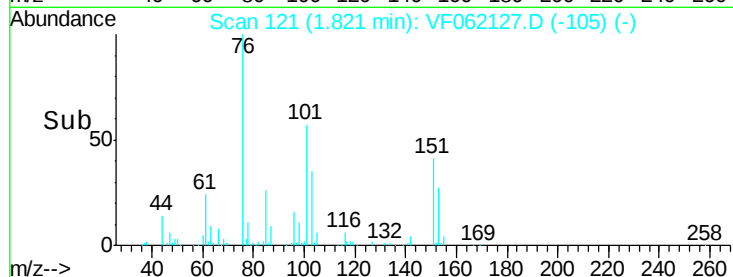
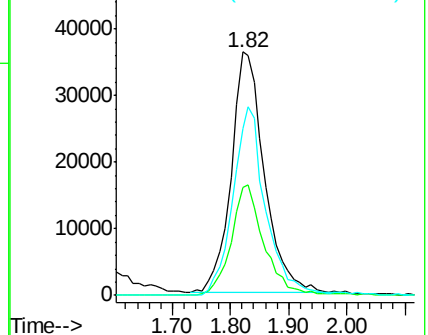
151 68.6 61.7 92.5



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: 41.175 ug/l

RT: 1.90 min Scan# 129

Delta R.T. -0.03 min

Lab File: VF062127.D

Acq: 25 Mar 2019 12:48

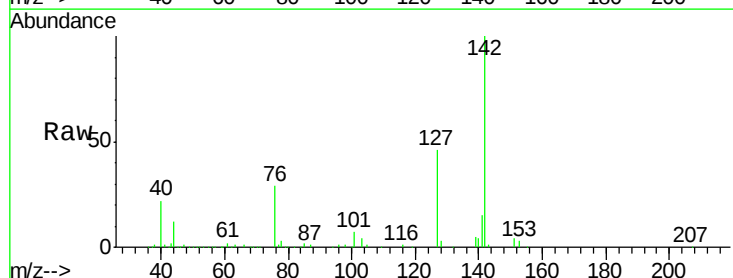
Tgt Ion:142 Resp: 211497

Ion Ratio Lower Upper

142 100

127 45.9 39.1 58.7

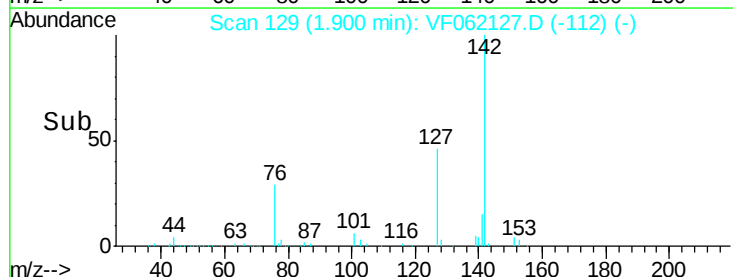
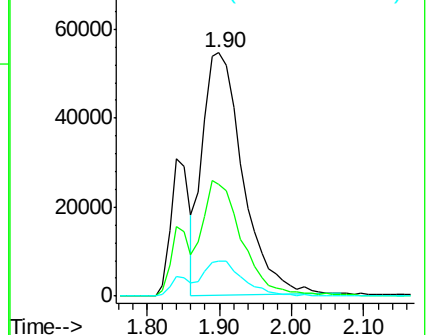
141 14.6 12.2 18.4

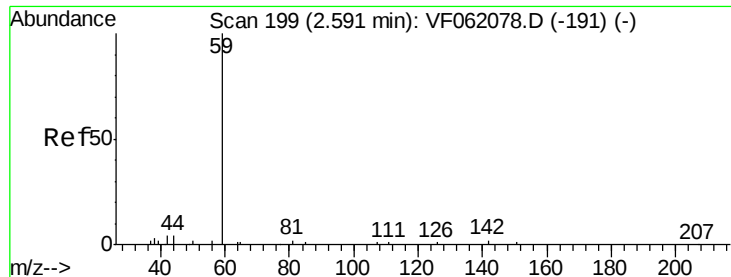


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



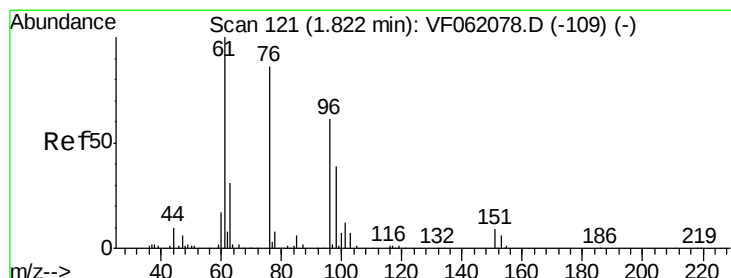
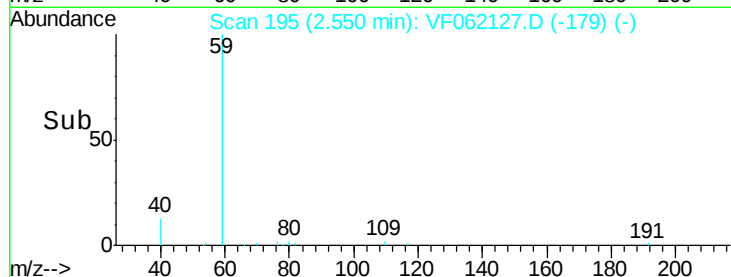
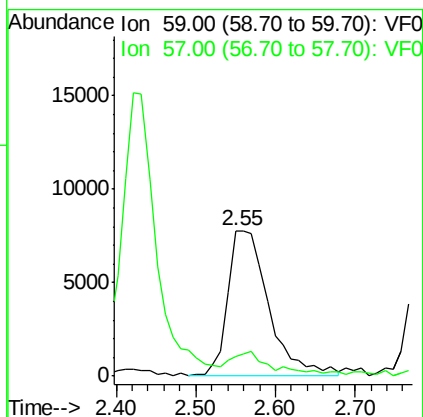
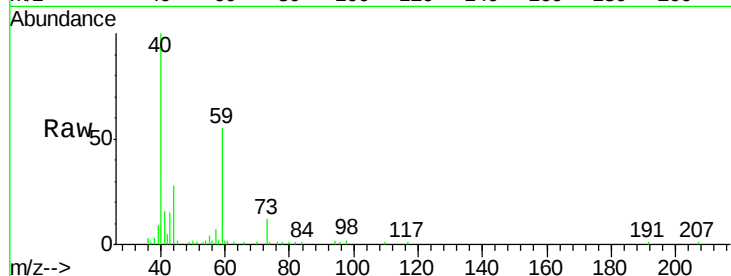


#11

Tert butyl alcohol
Concen: 259.294 ug/l
RT: 2.55 min Scan# 195
Delta R.T. -0.04 min
Lab File: VF062127.D
Acq: 25 Mar 2019 12:48

Instrument :
MSVOA_F
ClientSampleId :

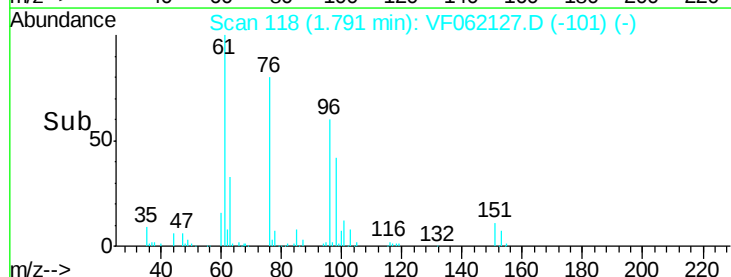
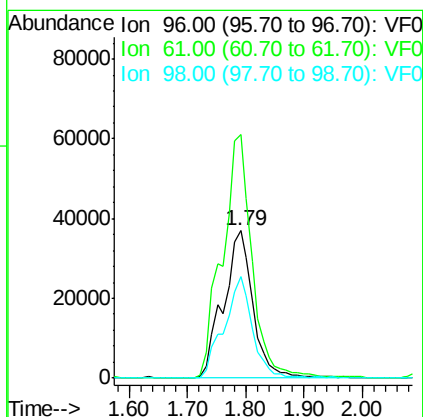
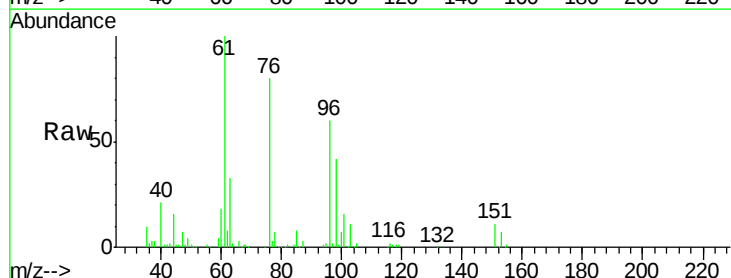
Tot Ion: 59 Resp: 28077
Ion Ratio Lower Upper
59 100
57 13.6 11.0 16.4

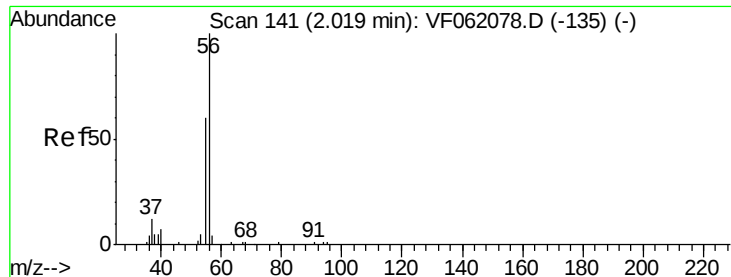


#12

1,1-Dichloroethene
Concen: 50.755 ug/l
RT: 1.79 min Scan# 118
Delta R.T. -0.03 min
Lab File: VF062127.D
Acq: 25 Mar 2019 12:48

Tgt Ion: 96 Resp: 129446
Ion Ratio Lower Upper
96 100
61 165.4 131.0 196.6
98 69.3 51.5 77.3





#13

Acrolein

Concen: 280.478 ug/l

RT: 2.00 min Scan# 139

Delta R.T. -0.02 min

Lab File: VF062127.D

Acq: 25 Mar 2019 12:48

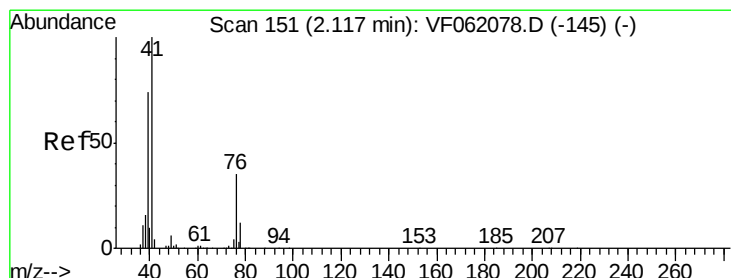
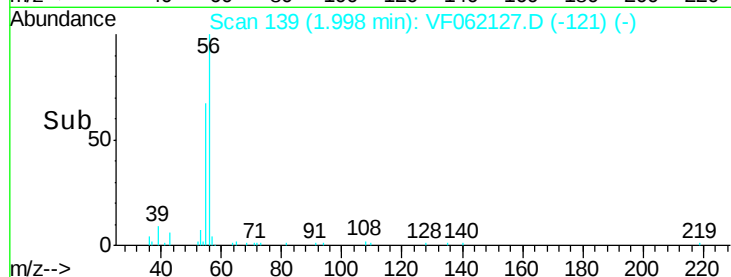
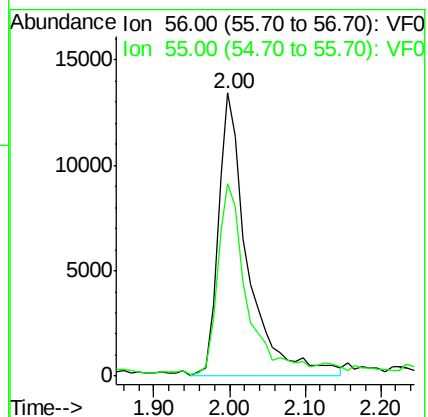
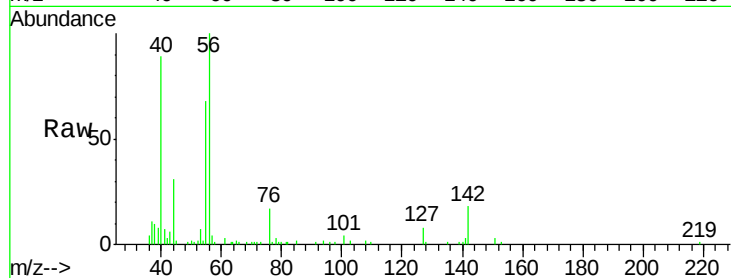
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 56 Resp: 36521

Ion Ratio Lower Upper

56 100

55 67.9 49.0 73.4



#14

Allyl chloride

Concen: 70.860 ug/l

RT: 2.10 min Scan# 149

Delta R.T. -0.02 min

Lab File: VF062127.D

Acq: 25 Mar 2019 12:48

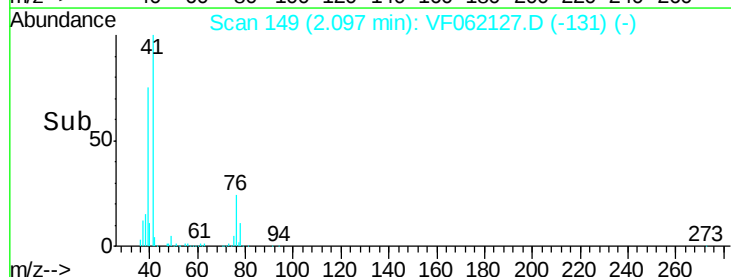
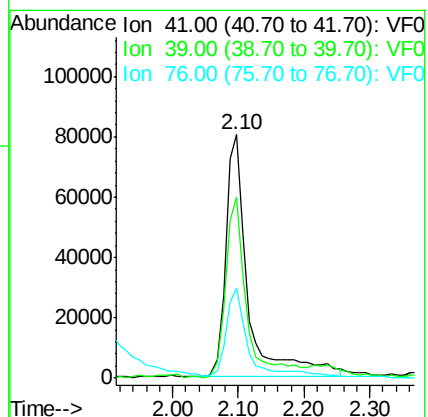
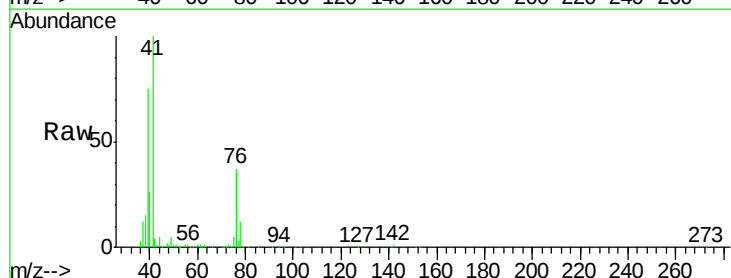
Tgt Ion: 41 Resp: 192946

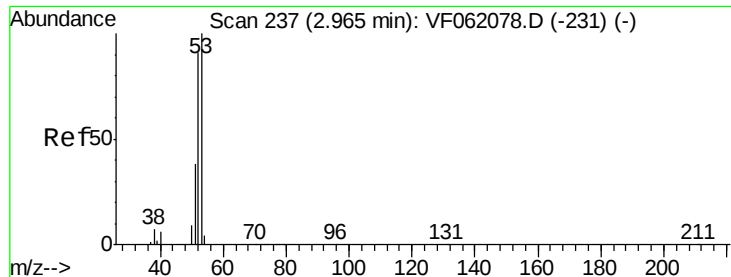
Ion Ratio Lower Upper

41 100

39 74.5 59.8 89.8

76 37.2 30.0 45.0





#15

Acrylonitrile

Concen: 243.854 ug/l

RT: 2.93 min Scan# 234

Delta R.T. -0.03 min

Lab File: VF062127.D

Acq: 25 Mar 2019 12:48

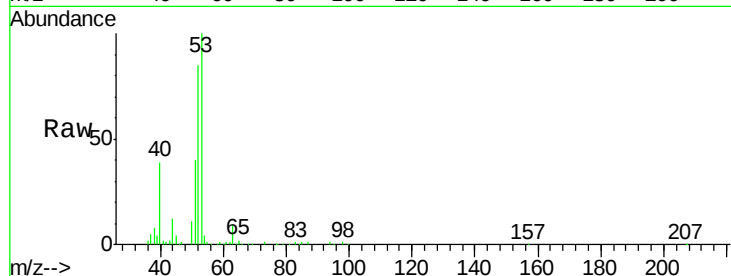
Instrument :

MSVOA_F

ClientSampleId :

Tot Ion: 53 Resp: 92853

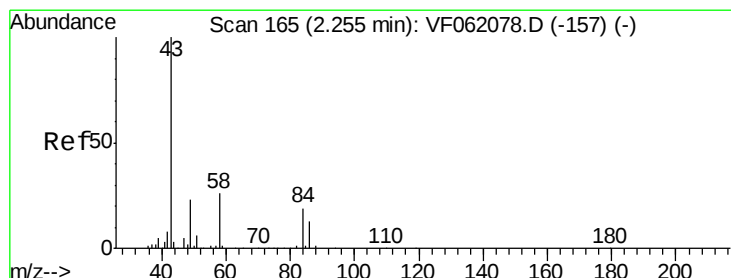
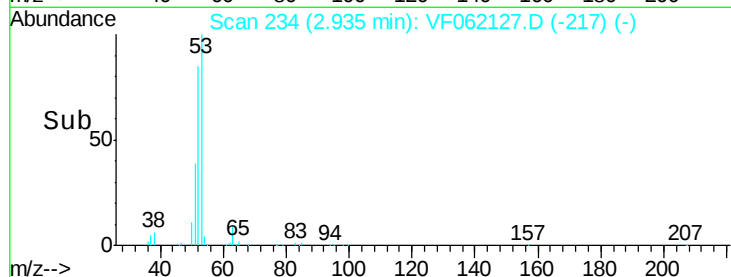
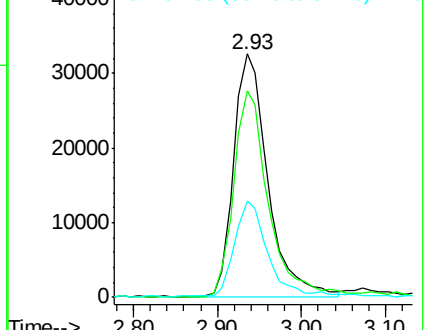
Ion	Ratio	Lower	Upper
53	100		
52	84.7	72.3	108.5
51	39.6	30.4	45.6



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 291.988 ug/l

RT: 2.23 min Scan# 163

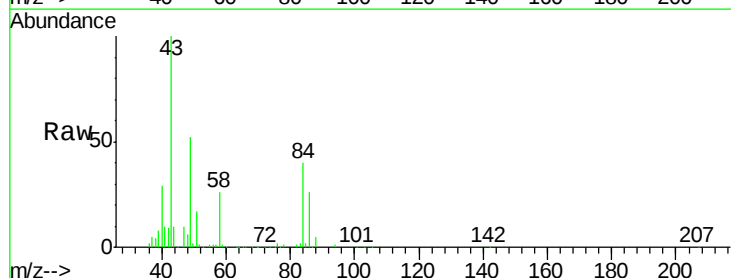
Delta R.T. -0.02 min

Lab File: VF062127.D

Acq: 25 Mar 2019 12:48

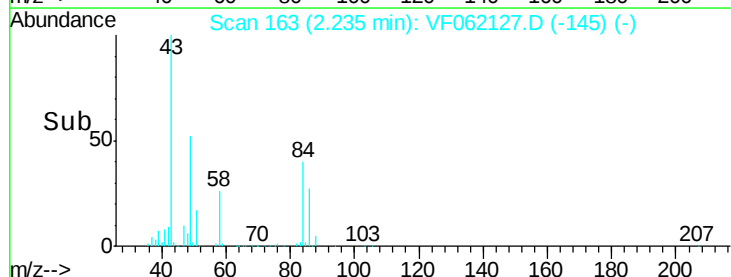
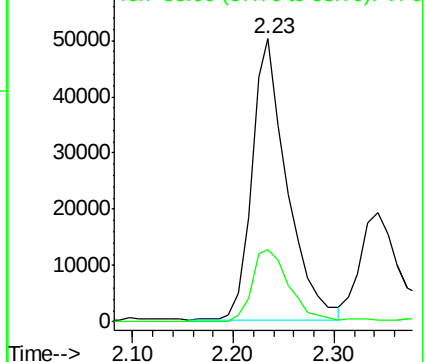
Tgt Ion: 43 Resp: 120940

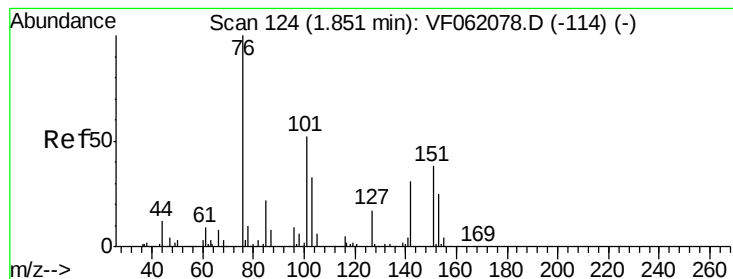
Ion	Ratio	Lower	Upper
43	100		
58	25.6	20.8	31.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#17

Carbon Disulfide

Concen: 53.105 ug/l

RT: 1.82 min Scan# 121

Delta R.T. -0.03 min

Lab File: VF062127.D

Acq: 25 Mar 2019 12:48

Instrument :

MSVOA_F

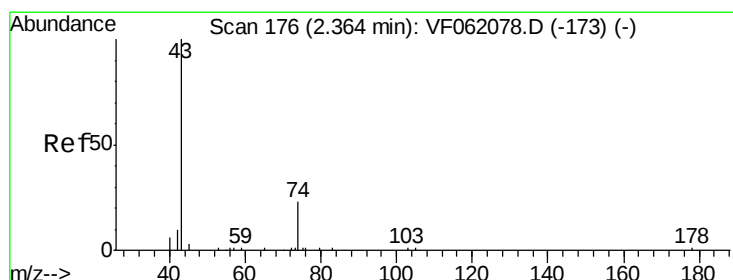
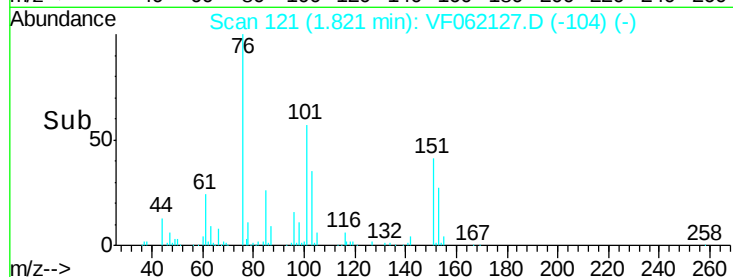
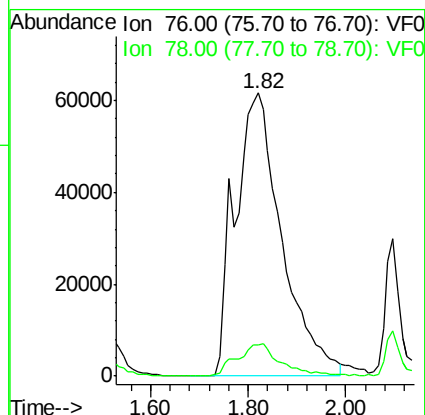
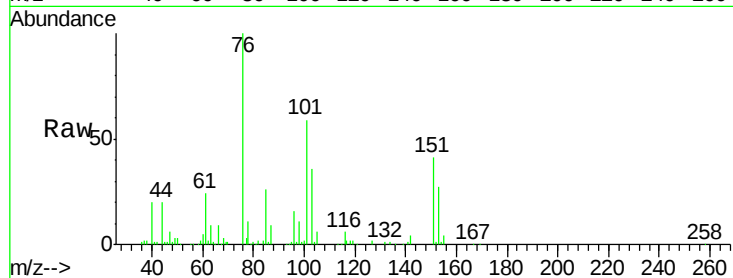
ClientSampleId :

Tot Ion: 76 Resp: 412999

Ion Ratio Lower Upper

76 100

78 10.9 7.9 11.9



#18

Methyl Acetate

Concen: 48.710 ug/l

RT: 2.34 min Scan# 174

Delta R.T. -0.02 min

Lab File: VF062127.D

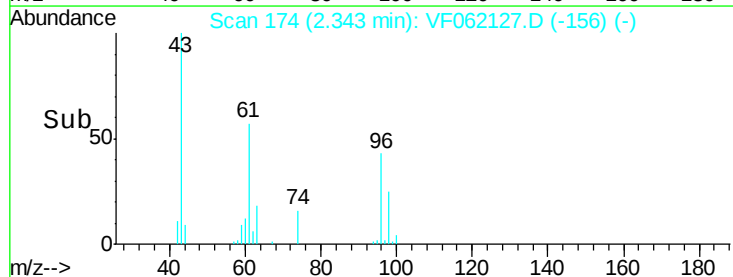
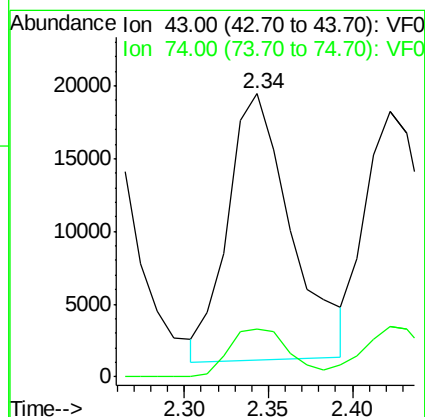
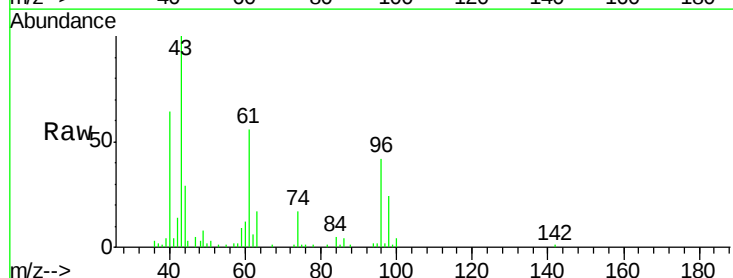
Acq: 25 Mar 2019 12:48

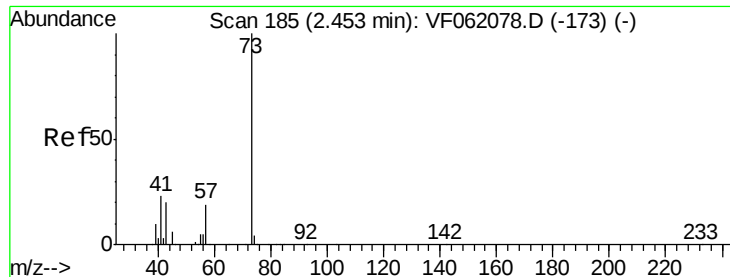
Tgt Ion: 43 Resp: 48126

Ion Ratio Lower Upper

43 100

74 16.8 16.3 24.5



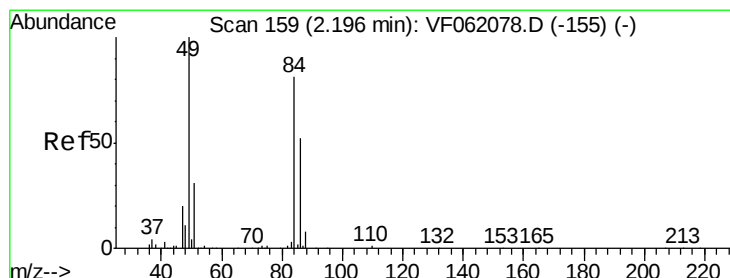
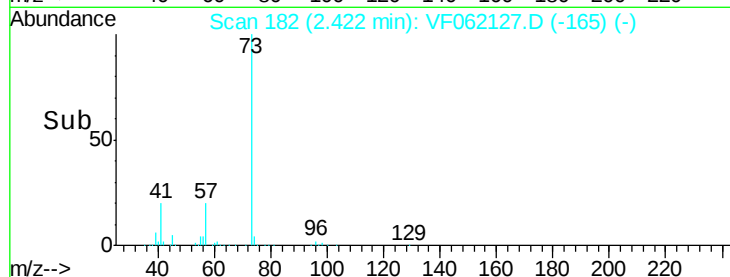
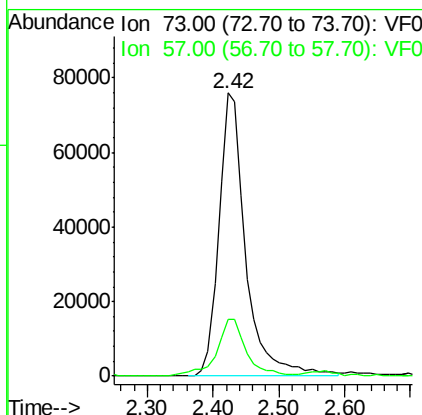
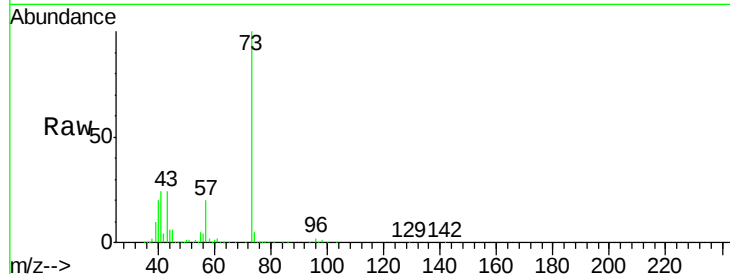


#19

Methyl tert-butyl Ether
Concen: 53.574 ug/l
RT: 2.42 min Scan# 182
Delta R.T. -0.03 min
Lab File: VF062127.D
Acq: 25 Mar 2019 12:48

Instrument :
MSVOA_F
ClientSampleId :

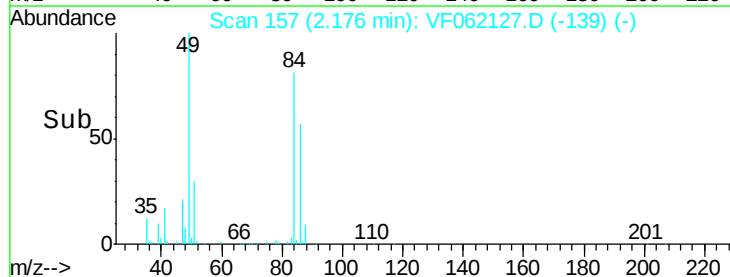
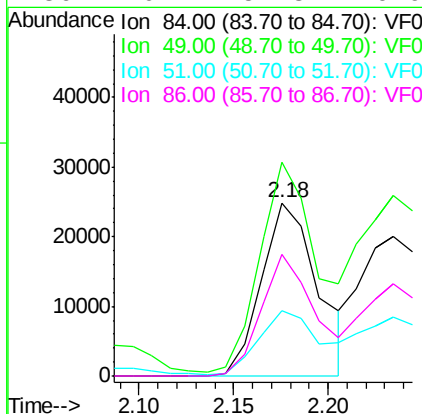
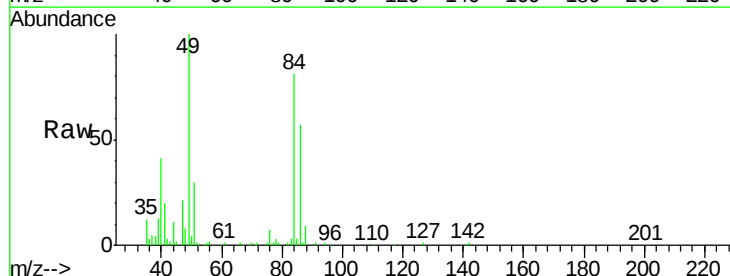
Tot Ion: 73 Resp: 215947
Ion Ratio Lower Upper
73 100
57 19.9 15.1 22.7

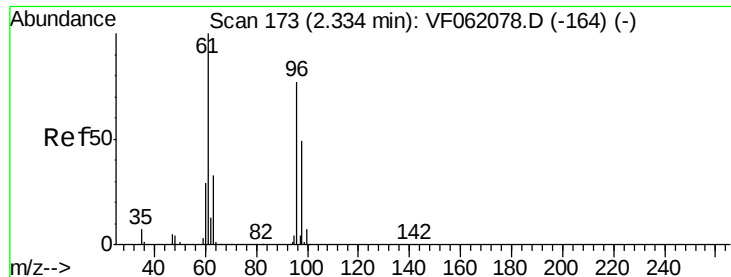


#20

Methylene Chloride
Concen: 18.706 ug/l
RT: 2.18 min Scan# 157
Delta R.T. -0.02 min
Lab File: VF062127.D
Acq: 25 Mar 2019 12:48

Tgt Ion: 84 Resp: 51590
Ion Ratio Lower Upper
84 100
49 123.4 100.4 150.6
51 37.6 31.0 46.6
86 70.2 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 52.673 ug/l

RT: 2.30 min Scan# 170

Delta R.T. -0.03 min

Lab File: VF062127.D

Acq: 25 Mar 2019 12:48

Instrument :

MSVOA_F

ClientSampleId :

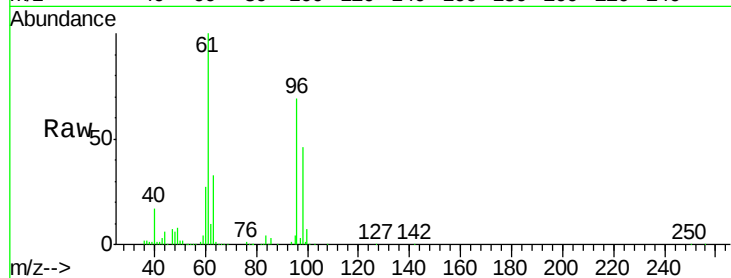
Tot Ion: 96 Resp: 129252

Ion Ratio Lower Upper

96 100

61 145.1 104.5 156.7

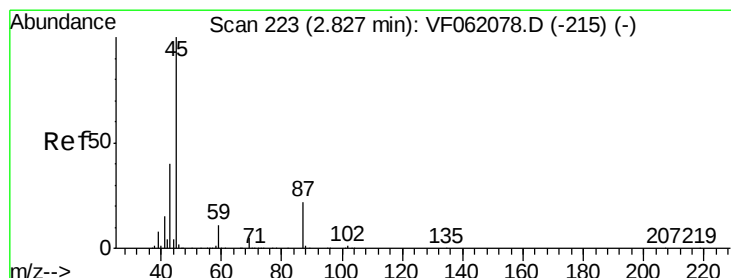
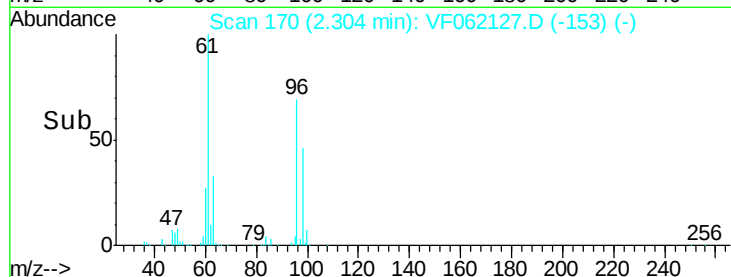
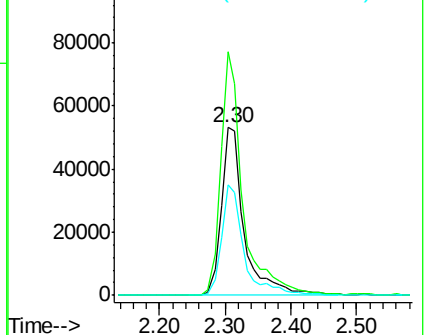
98 66.2 51.2 76.8



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: 52.178 ug/l

RT: 2.80 min Scan# 220

Delta R.T. -0.03 min

Lab File: VF062127.D

Acq: 25 Mar 2019 12:48

Tgt Ion: 45 Resp: 372500

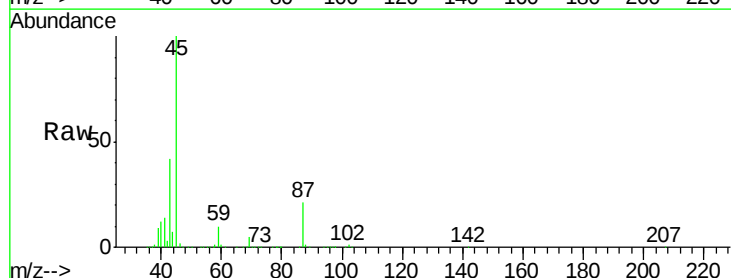
Ion Ratio Lower Upper

45 100

43 41.8 32.5 48.7

87 20.8 17.4 26.2

59 9.7 8.6 12.8

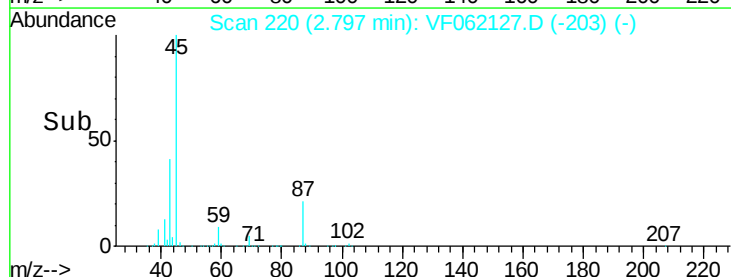
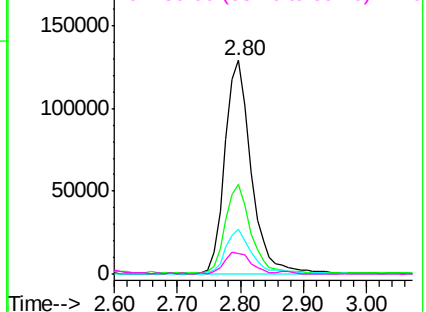


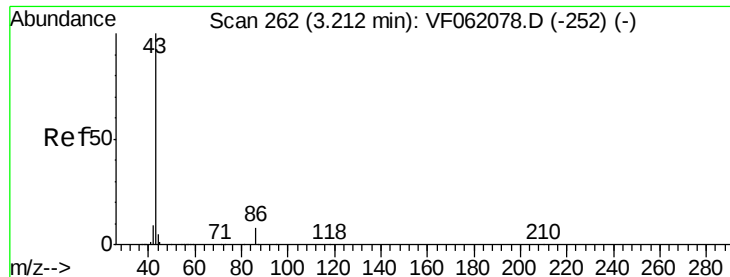
Abundance Ion 45.00 (44.70 to 45.70): VF0

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: 273.574 ug/l

RT: 3.18 min Scan# 259

Delta R.T. -0.03 min

Lab File: VF062127.D

Acq: 25 Mar 2019 12:48

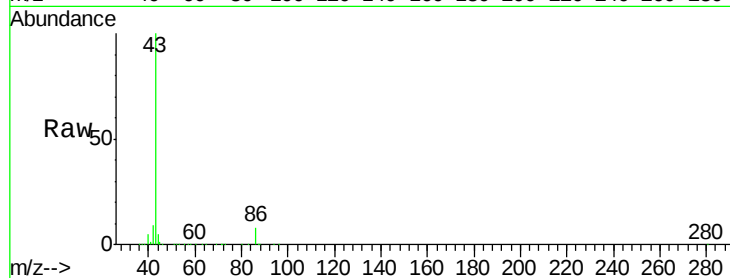
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 799639

Ion Ratio Lower Upper

43 100

86 8.5 6.8 10.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.18

300000

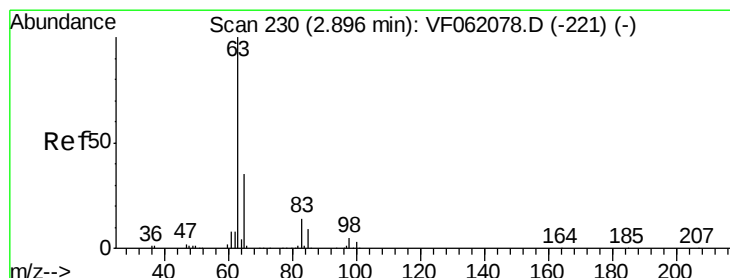
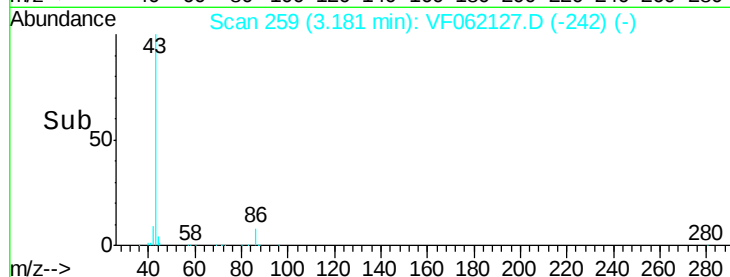
200000

100000

0

Time-->

3.10 3.20 3.30 3.40



#24

1,1-Dichloroethane

Concen: 52.333 ug/l

RT: 2.87 min Scan# 227

Delta R.T. -0.03 min

Lab File: VF062127.D

Acq: 25 Mar 2019 12:48

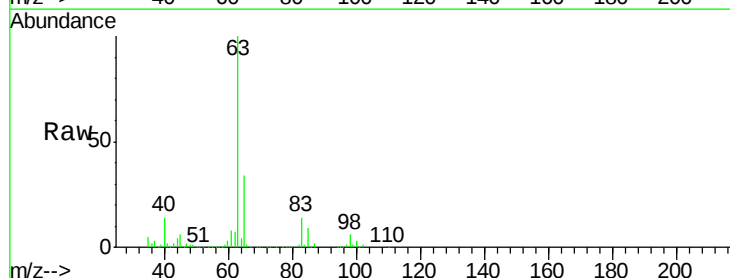
Tgt Ion: 63 Resp: 224044

Ion Ratio Lower Upper

63 100

98 5.9 2.7 8.1

100 3.2 1.7 5.1



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

2.87

120000

100000

80000

60000

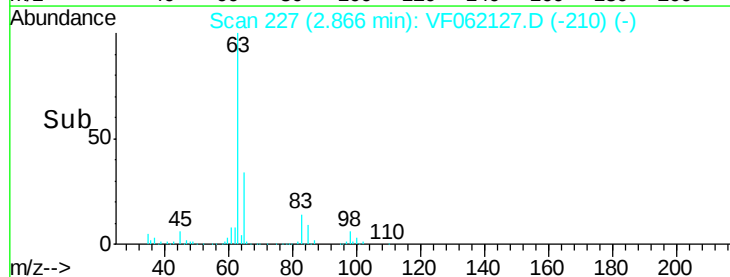
40000

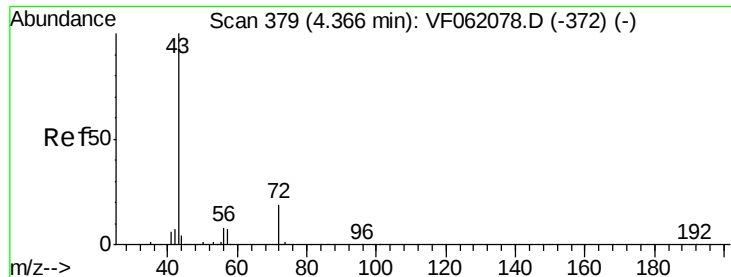
20000

0

Time-->

2.70 2.80 2.90 3.00 3.10





#25

2-Butanone

Concen: 261.929 ug/l

RT: 4.33 min Scan# 375

Delta R.T. -0.04 min

Lab File: VF062127.D

Acq: 25 Mar 2019 12:48

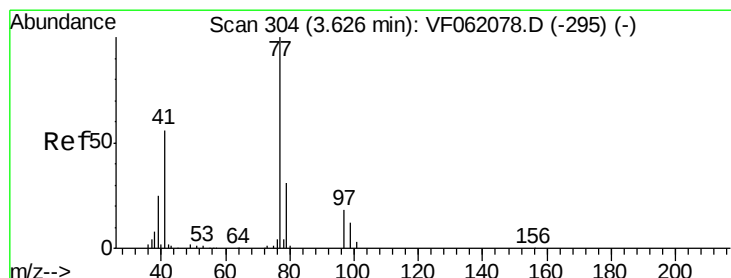
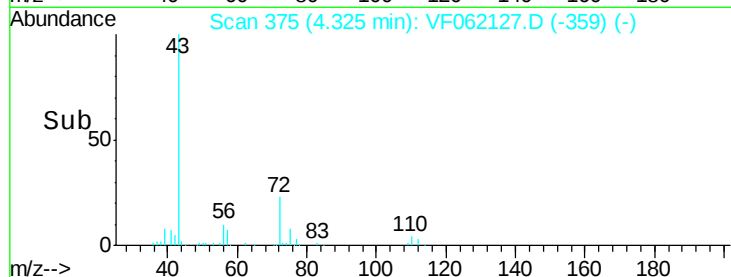
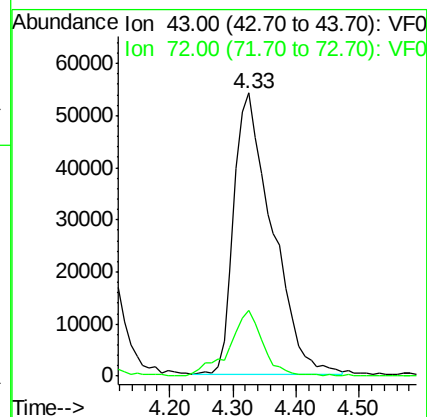
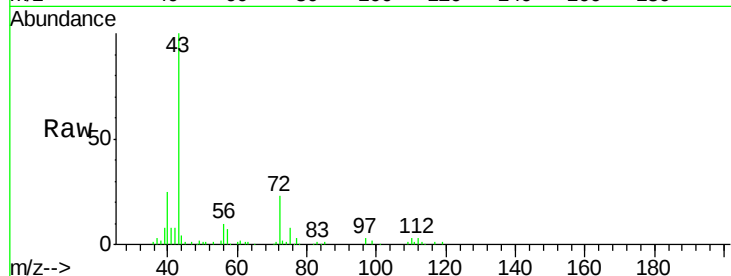
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 226486

Ion Ratio Lower Upper

43 100

72 23.2 16.7 25.1



#26

2,2-Dichloropropane

Concen: 55.205 ug/l

RT: 3.60 min Scan# 301

Delta R.T. -0.03 min

Lab File: VF062127.D

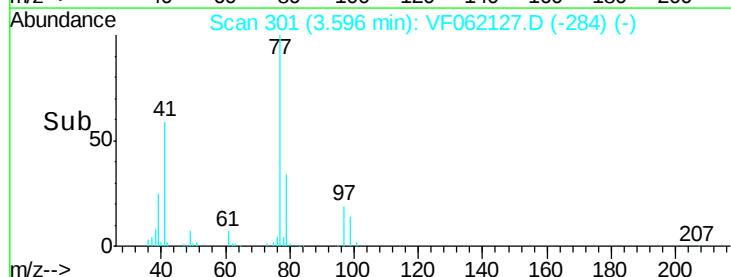
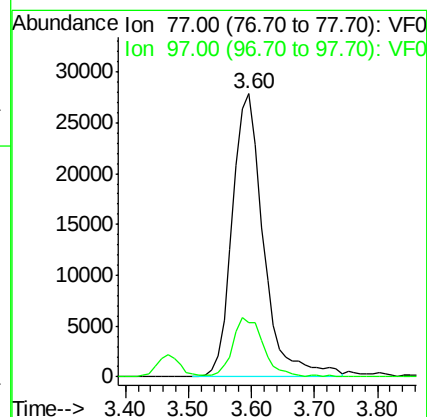
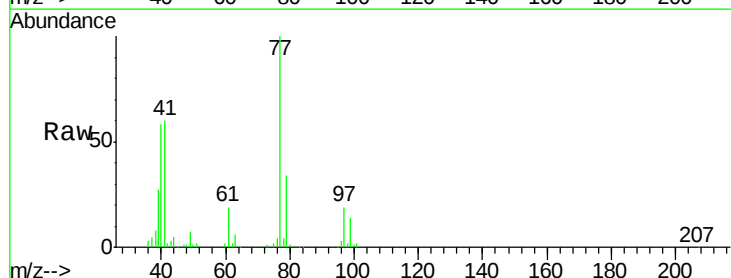
Acq: 25 Mar 2019 12:48

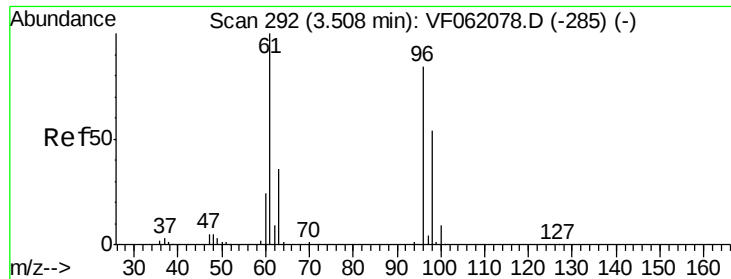
Tgt Ion: 77 Resp: 95826

Ion Ratio Lower Upper

77 100

97 19.2 10.3 30.9



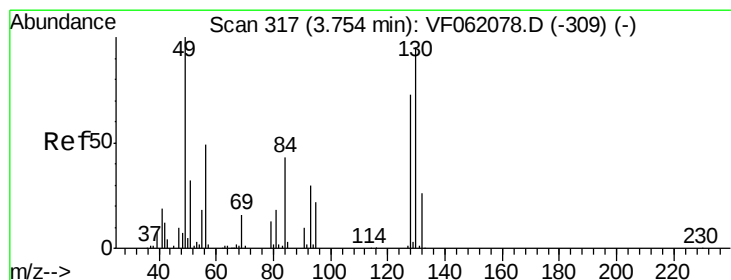
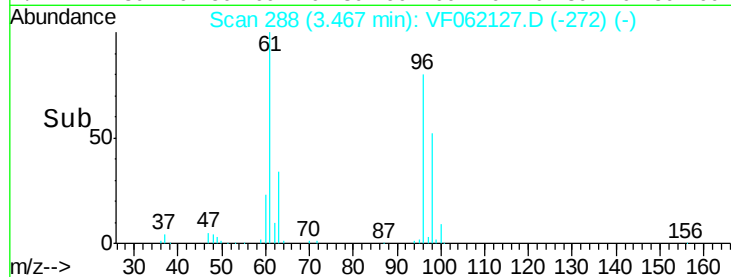
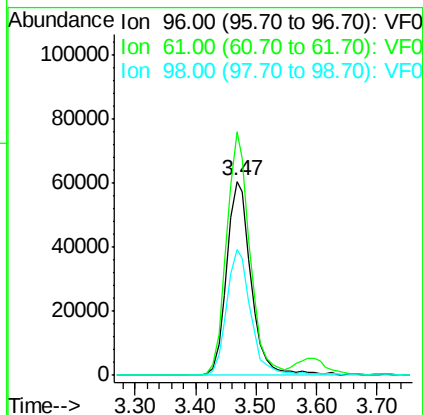
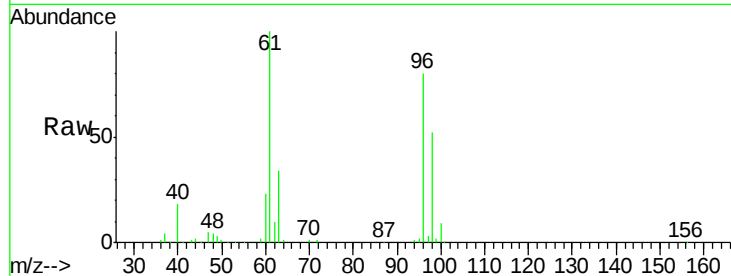


#27

cis-1,2-Dichloroethene
 Concen: 52.279 ug/l
 RT: 3.47 min Scan# 288
 Delta R.T. -0.04 min
 Lab File: VF062127.D
 Acq: 25 Mar 2019 12:48

Instrument :
 MSVOA_F
 ClientSampleId :

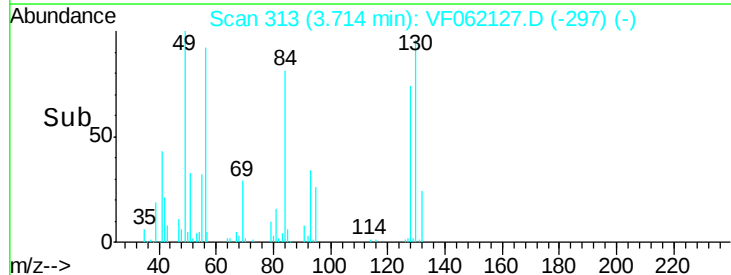
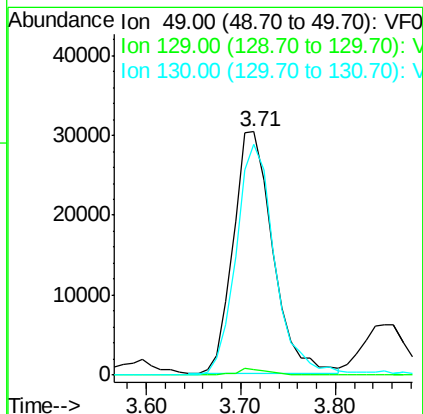
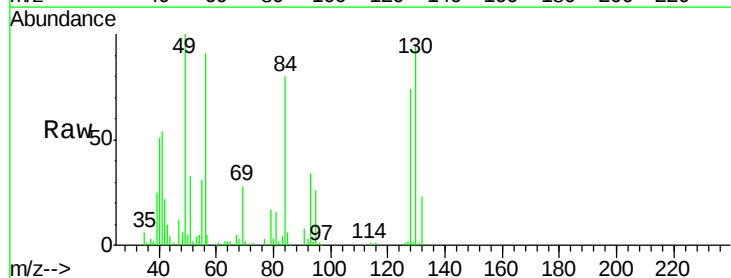
Tot Ion	Ratio	Lower	Upper
96	100		
61	125.6	0.0	239.0
98	64.9	0.0	128.2

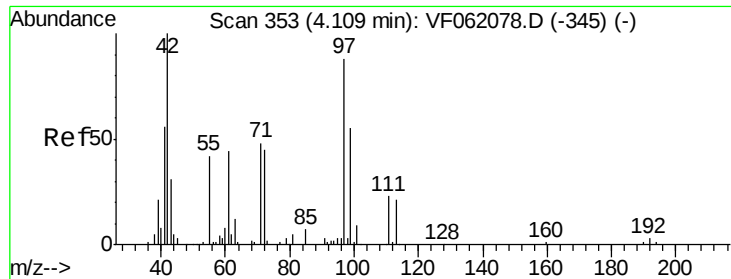


#28

Bromochloromethane
 Concen: 50.370 ug/l
 RT: 3.71 min Scan# 313
 Delta R.T. -0.04 min
 Lab File: VF062127.D
 Acq: 25 Mar 2019 12:48

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	5.6
130	94.8	75.5	113.3

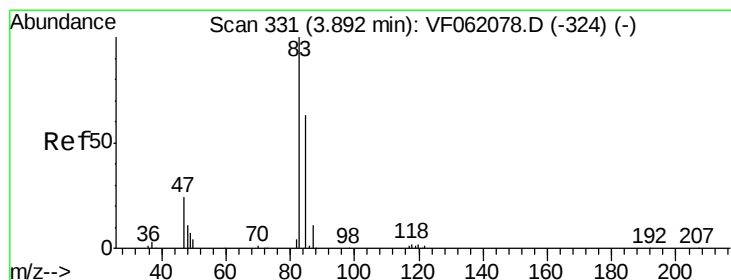
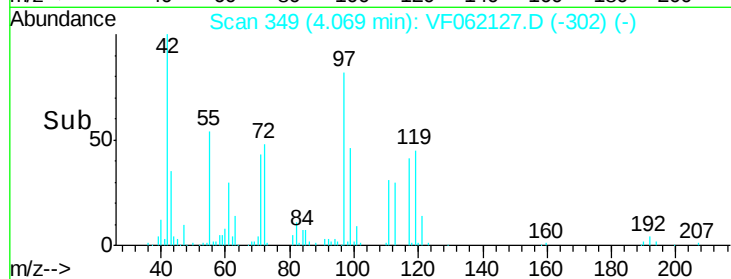
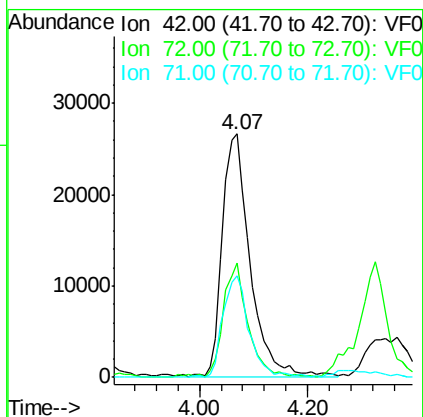
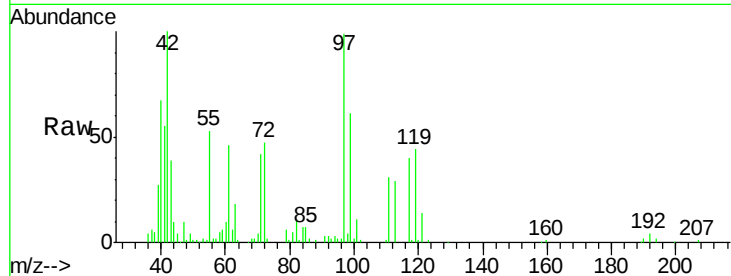




#29
Tetrahydrofuran
Concen: 251.662 ug/l
RT: 4.07 min Scan# 349
Delta R.T. -0.04 min
Lab File: VF062127.D
Acq: 25 Mar 2019 12:48

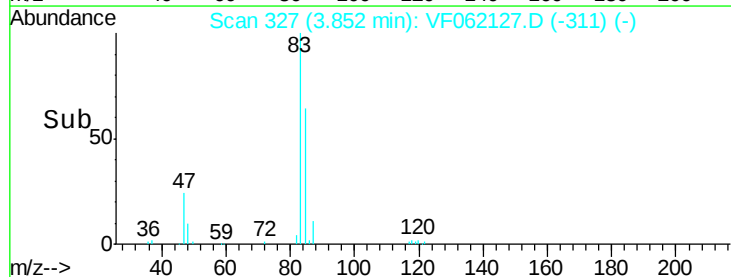
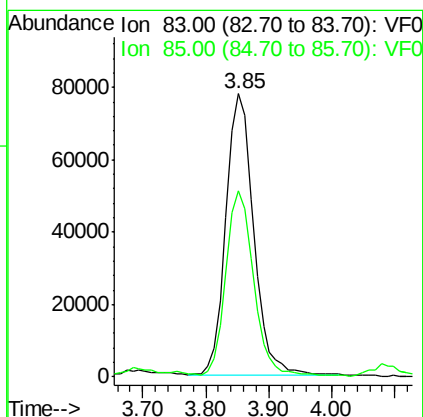
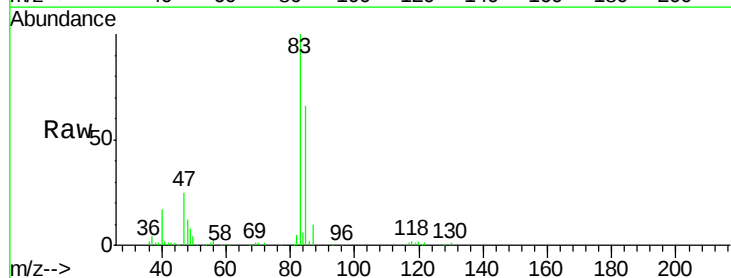
Instrument :
MSVOA_F
ClientSampleId :

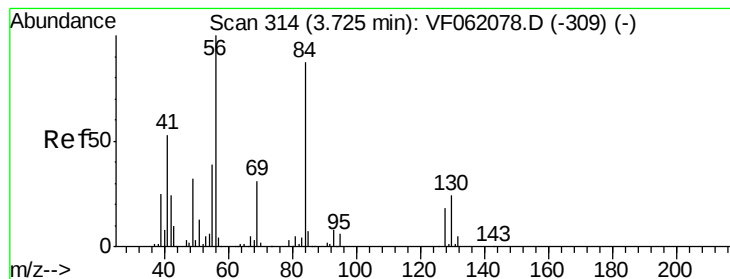
Tot Ion: 42 Resp: 94613
Ion Ratio Lower Upper
42 100
72 41.8 33.3 49.9
71 39.4 35.0 52.4



#30
Chloroform
Concen: 52.025 ug/l
RT: 3.85 min Scan# 327
Delta R.T. -0.04 min
Lab File: VF062127.D
Acq: 25 Mar 2019 12:48

Tgt Ion: 83 Resp: 235383
Ion Ratio Lower Upper
83 100
85 65.6 51.5 77.3





#31

Cyclohexane

Concen: 51.690 ug/l

RT: 3.68 min Scan# 310

Delta R.T. -0.04 min

Lab File: VF062127.D

Acq: 25 Mar 2019 12:48

Instrument :
MSVOA_F
ClientSampleId :

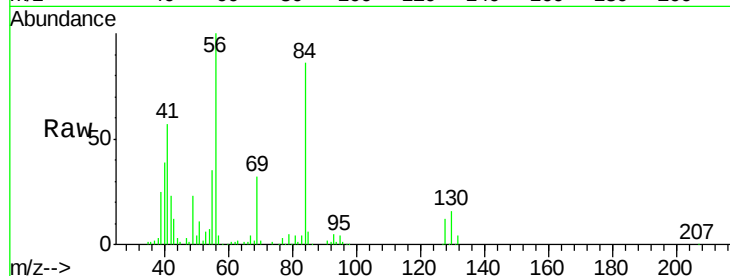
Tot Ion: 56 Resp: 231121

Ion Ratio Lower Upper

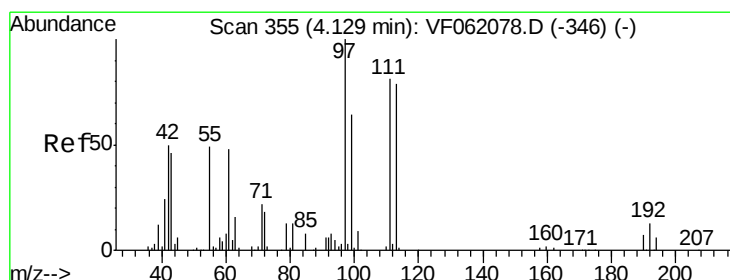
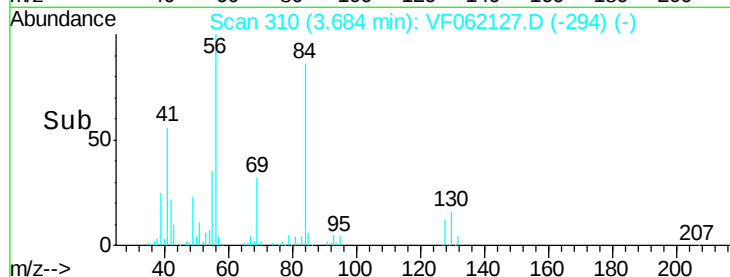
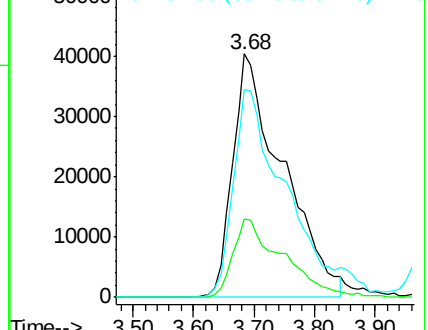
56 100

69 32.4 25.9 38.9

84 85.6 71.1 106.7



Abundance Ion 56.00 (55.70 to 56.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 84.00 (83.70 to 84.70): VF0



#32

1,1,1-Trichloroethane

Concen: 63.252 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.04 min

Lab File: VF062127.D

Acq: 25 Mar 2019 12:48

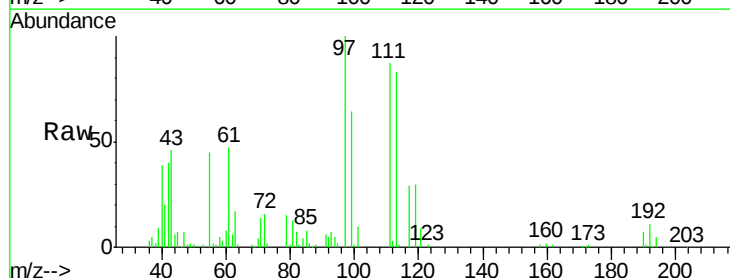
Tgt Ion: 97 Resp: 174084

Ion Ratio Lower Upper

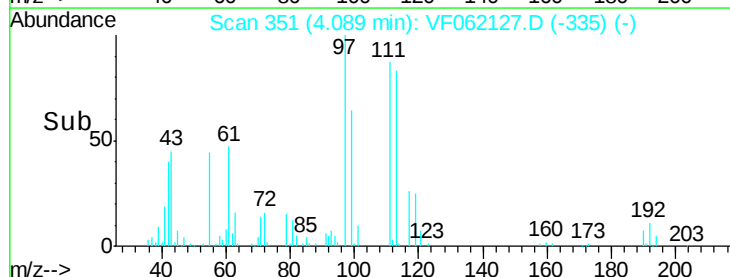
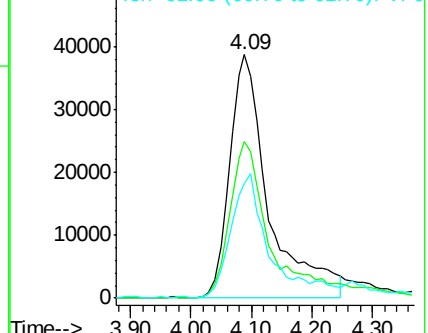
97 100

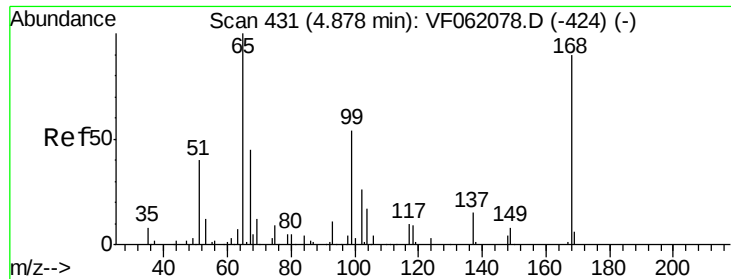
99 64.5 51.3 76.9

61 47.1 39.0 58.6



Abundance Ion 97.00 (96.70 to 97.70): VF0
Ion 99.00 (98.70 to 99.70): VF0
Ion 61.00 (60.70 to 61.70): VF0





#33

1,2-Dichloroethane-d4

Concen: 50.974 ug/l

RT: 4.84 min Scan# 427

Delta R.T. -0.04 min

Lab File: VF062127.D

Acq: 25 Mar 2019 12:48

Instrument :

MSVOA_F

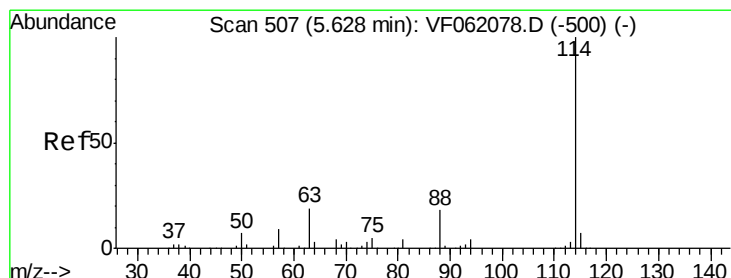
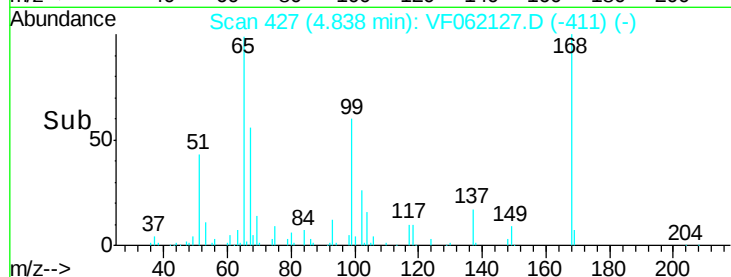
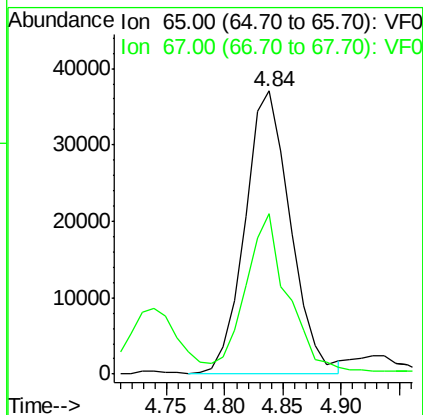
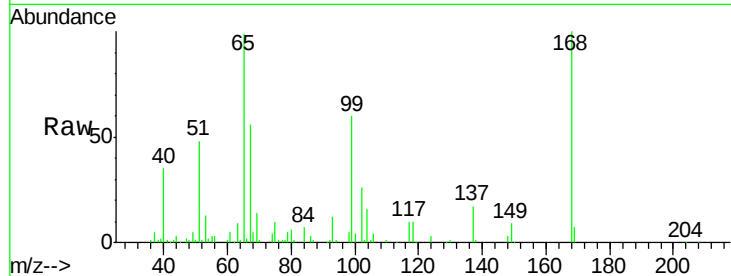
ClientSampleId :

Tot Ion: 65 Resp: 100316

Ion Ratio Lower Upper

65 100

67 56.7 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.59 min Scan# 503

Delta R.T. -0.04 min

Lab File: VF062127.D

Acq: 25 Mar 2019 12:48

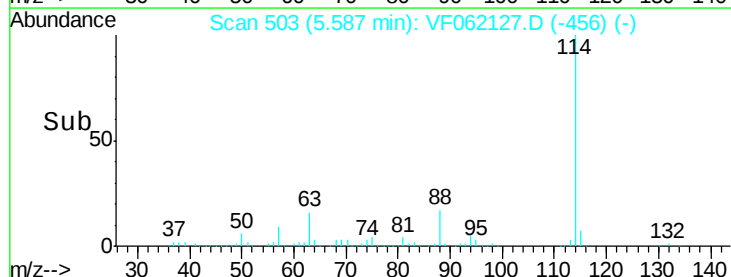
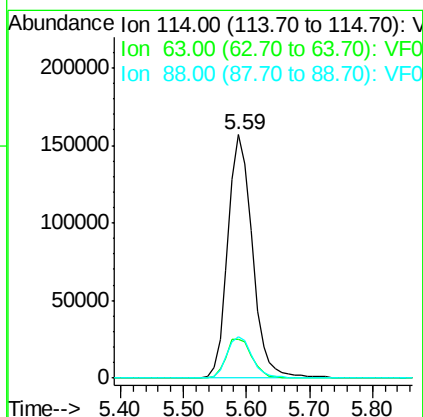
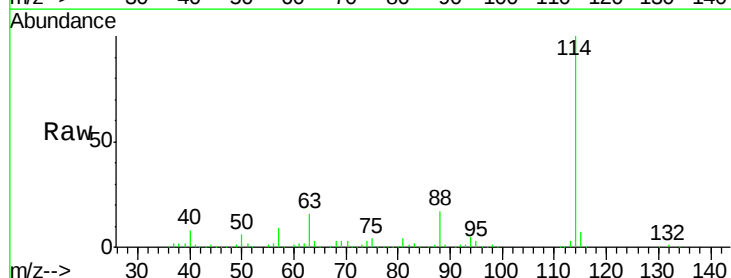
Tgt Ion: 114 Resp: 423526

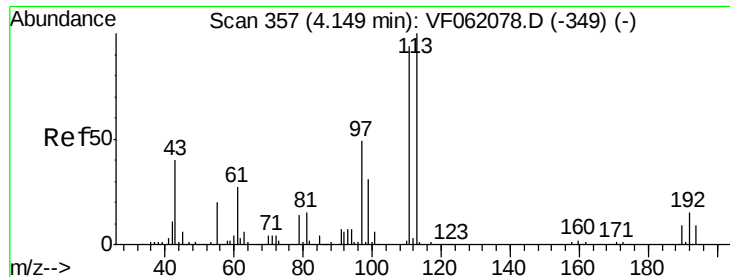
Ion Ratio Lower Upper

114 100

63 15.8 0.0 37.8

88 17.0 0.0 36.4





#35

Dibromofluoromethane

Concen: 53.265 ug/l

RT: 4.11 min Scan# 353

Delta R.T. -0.04 min

Lab File: VF062127.D

Acq: 25 Mar 2019 12:48

Instrument :
MSVOA_F
ClientSampleId :

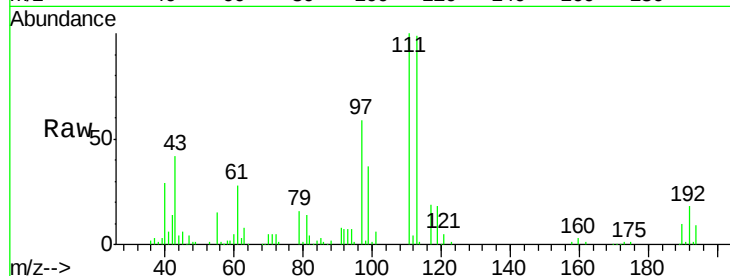
Tot Ion:113 Resp: 152603

Ion Ratio Lower Upper

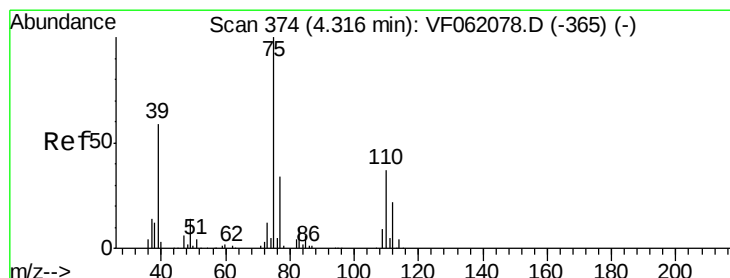
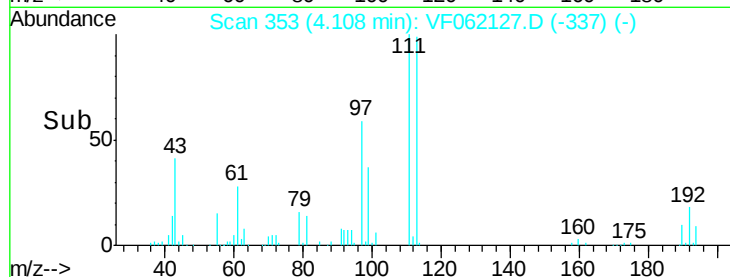
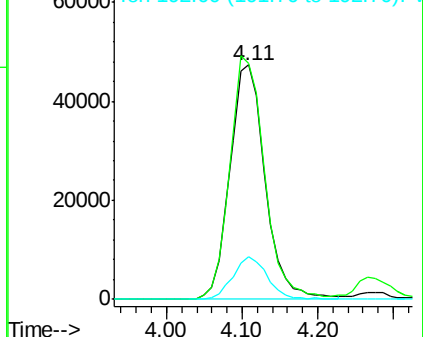
113 100

111 100.7 75.4 113.0

192 18.1 12.3 18.5



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: 51.524 ug/l

RT: 4.28 min Scan# 370

Delta R.T. -0.04 min

Lab File: VF062127.D

Acq: 25 Mar 2019 12:48

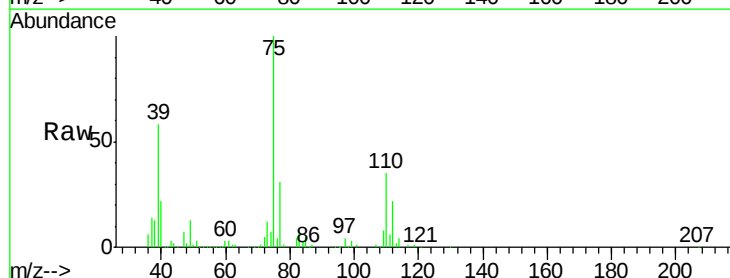
Tgt Ion: 75 Resp: 207851

Ion Ratio Lower Upper

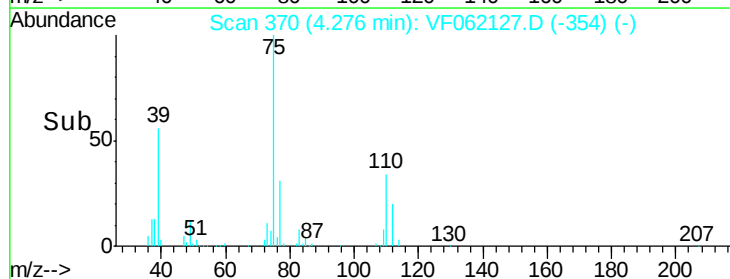
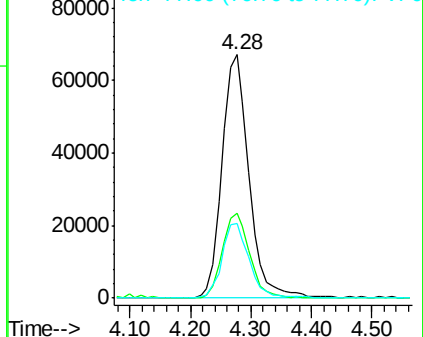
75 100

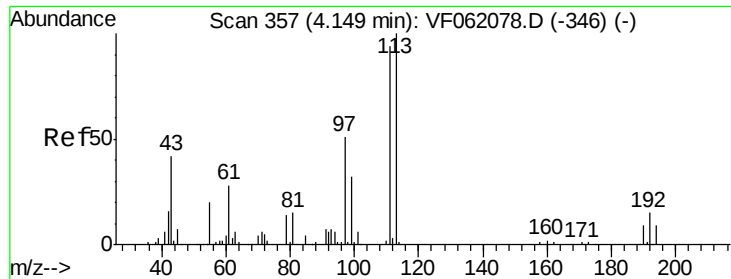
110 35.1 18.5 55.5

77 30.7 27.4 41.0



Abundance Ion 75.00 (74.70 to 75.70): VF0
Ion 110.00 (109.70 to 110.70): V
Ion 77.00 (76.70 to 77.70): VF0

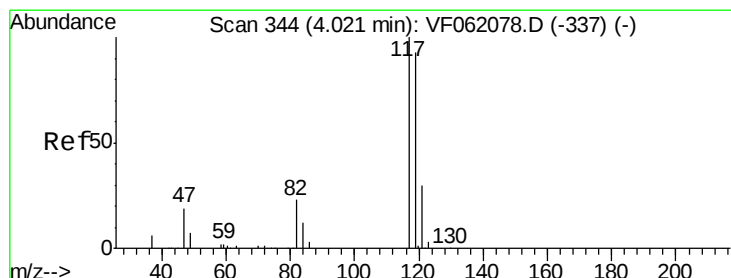
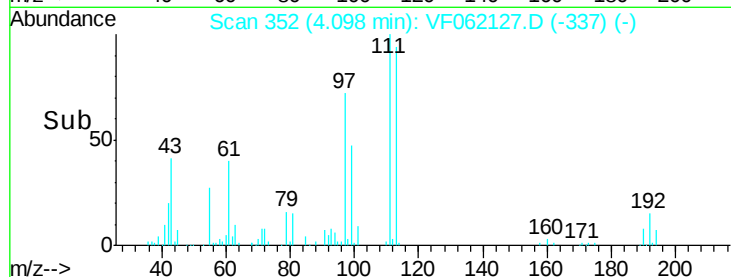
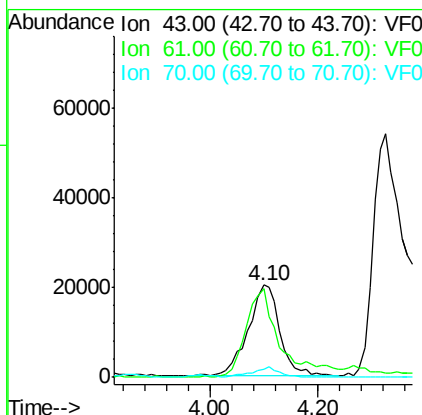
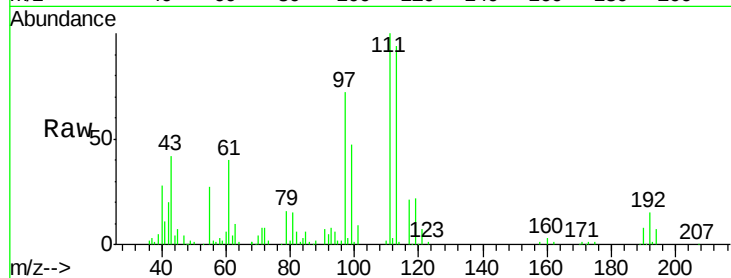




#37
Ethyl Acetate
Concen: 46.997 ug/l
RT: 4.10 min Scan# 352
Delta R.T. -0.05 min
Lab File: VF062127.D
Acq: 25 Mar 2019 12:48

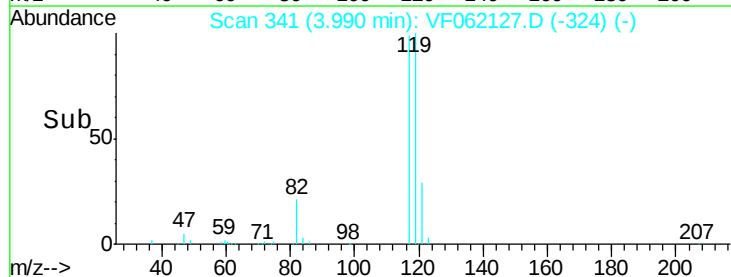
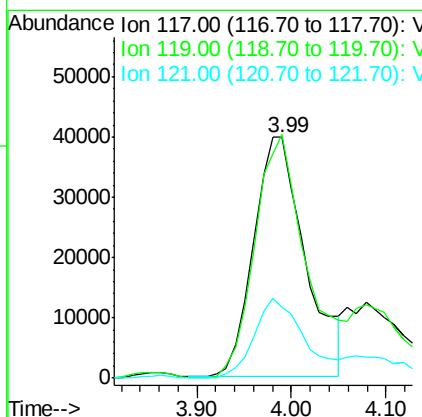
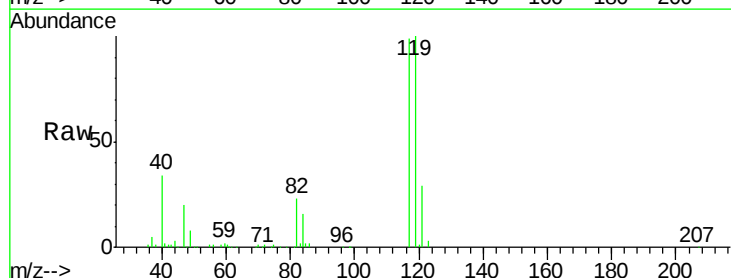
Instrument :
MSVOA_F
ClientSampleId :

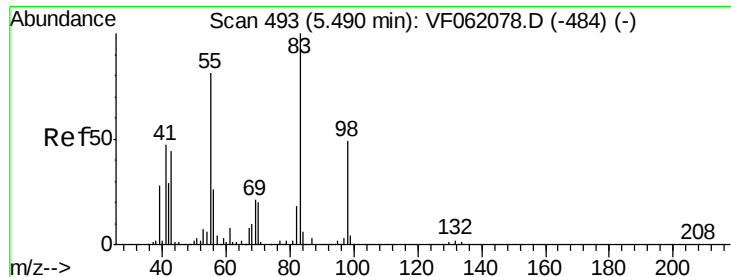
Tot Ion: 43 Resp: 82856
Ion Ratio Lower Upper
43 100
61 96.0 53.6 80.4#
70 9.1 9.0 13.6



#38
Carbon Tetrachloride
Concen: 55.070 ug/l
RT: 3.99 min Scan# 341
Delta R.T. -0.03 min
Lab File: VF062127.D
Acq: 25 Mar 2019 12:48

Tgt Ion: 117 Resp: 151414
Ion Ratio Lower Upper
117 100
119 101.1 74.7 112.1
121 29.3 23.6 35.4

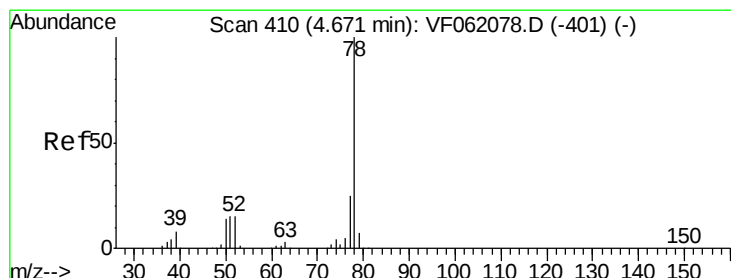
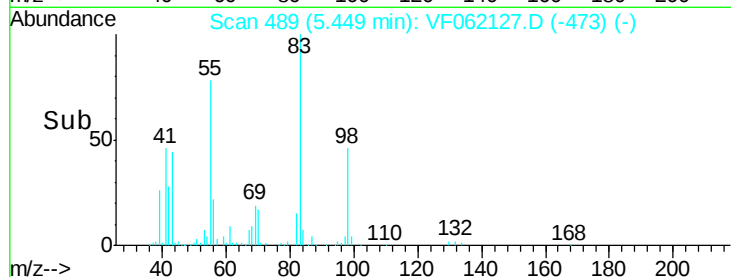
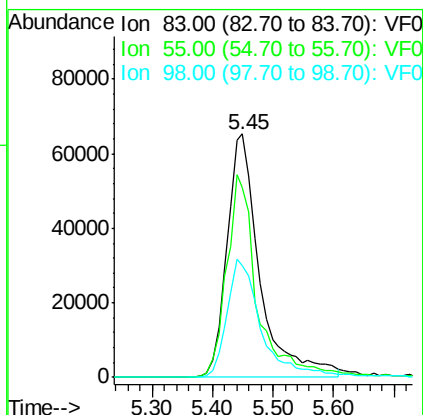
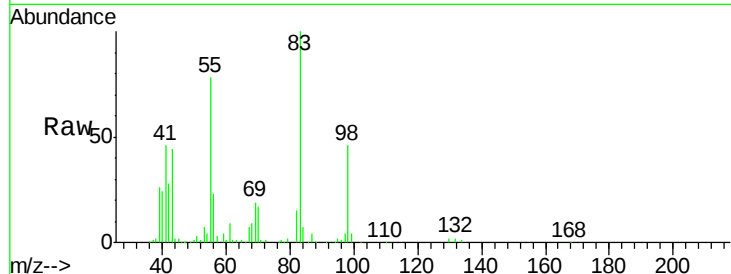




#39
Methvlcvclohexane
Concen: 52.650 ug/l
RT: 5.45 min Scan# 489
Delta R.T. -0.04 min
Lab File: VF062127.D
Acq: 25 Mar 2019 12:48

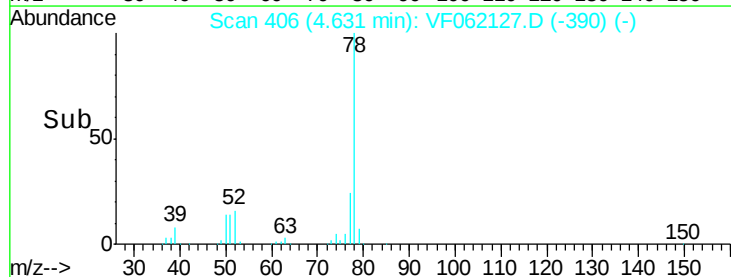
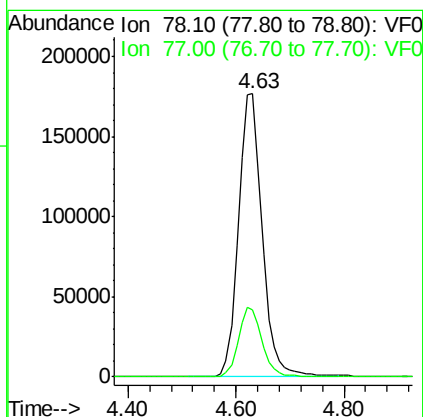
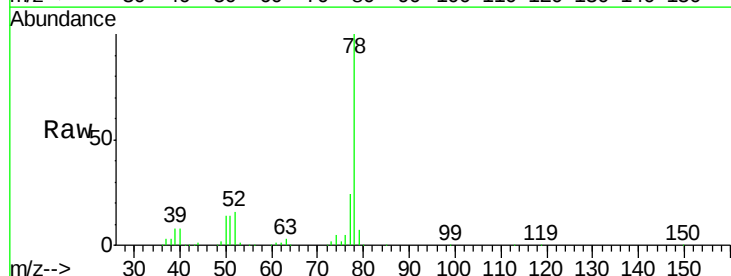
Instrument :
MSVOA_F
ClientSampleId :

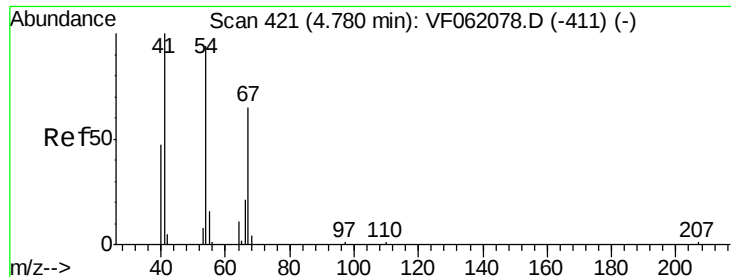
Tot Ion: 83 Resp: 246505
Ion Ratio Lower Upper
83 100
55 77.8 64.5 96.7
98 46.1 39.1 58.7



#40
Benzene
Concen: 50.064 ug/l
RT: 4.63 min Scan# 406
Delta R.T. -0.04 min
Lab File: VF062127.D
Acq: 25 Mar 2019 12:48

Tgt Ion: 78 Resp: 541420
Ion Ratio Lower Upper
78 100
77 23.7 19.8 29.6

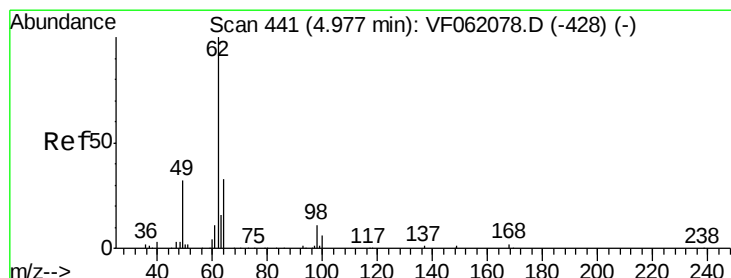
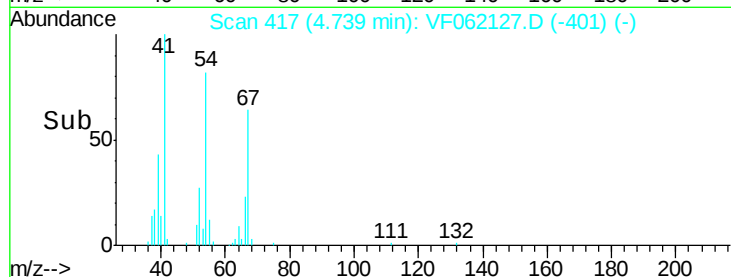
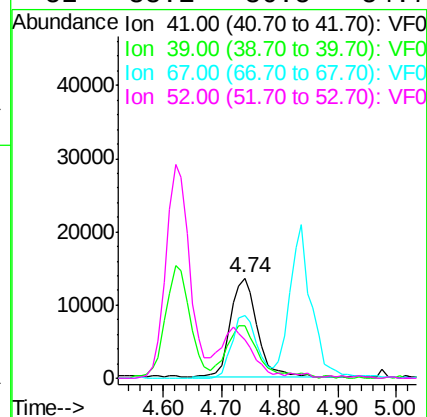
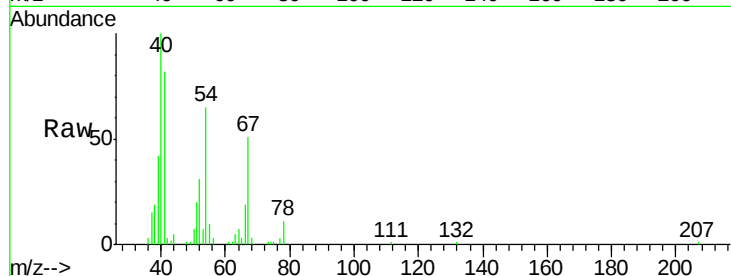




#41
Methacrylonitrile
Concen: 45.717 ug/l
RT: 4.74 min Scan# 417
Delta R.T. -0.04 min
Lab File: VF062127.D
Acq: 25 Mar 2019 12:48

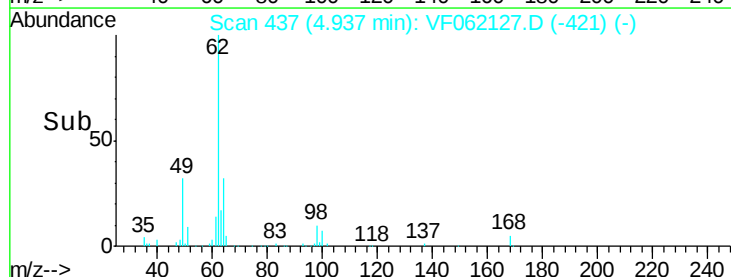
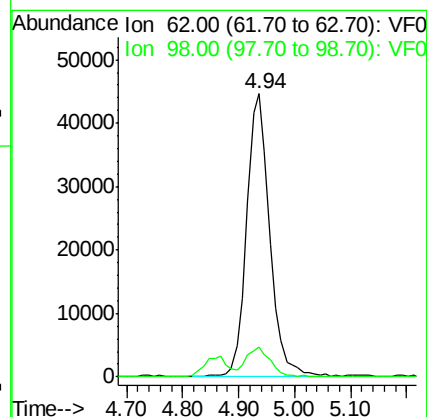
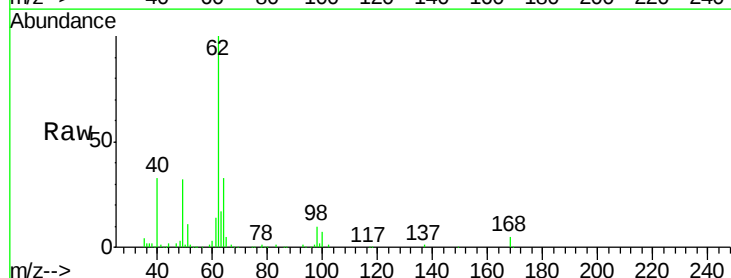
Instrument :
MSVOA_F
ClientSampleId :

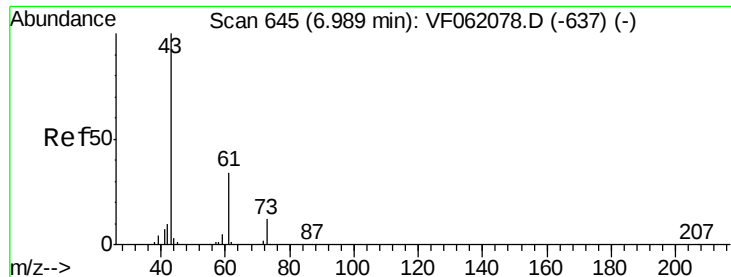
Tot Ion:	41	Resp:	42646
Ion	Ratio	Lower	Upper
41	100		
39	51.8	43.5	65.3
67	62.2	51.6	77.4
52	38.1	36.5	54.7



#42
1,2-Dichloroethane
Concen: 50.052 ug/l
RT: 4.94 min Scan# 437
Delta R.T. -0.04 min
Lab File: VF062127.D
Acq: 25 Mar 2019 12:48

Tgt Ion:	62	Resp:	128002
Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	23.2



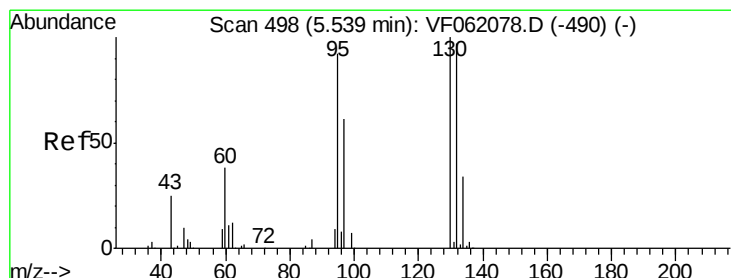
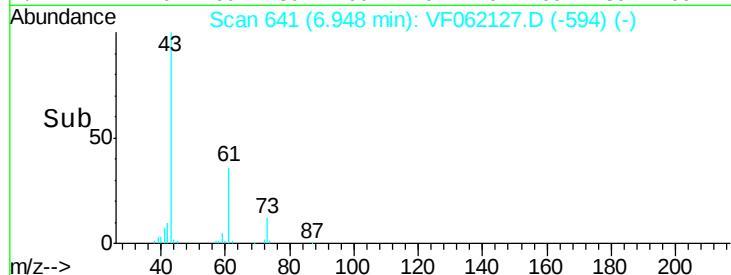
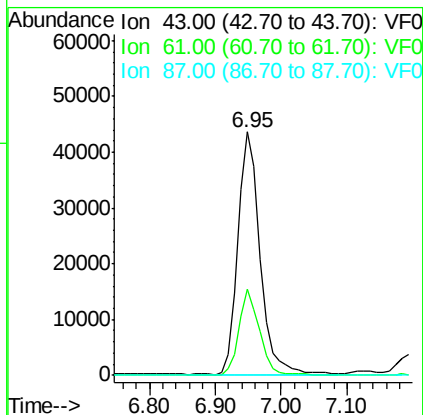
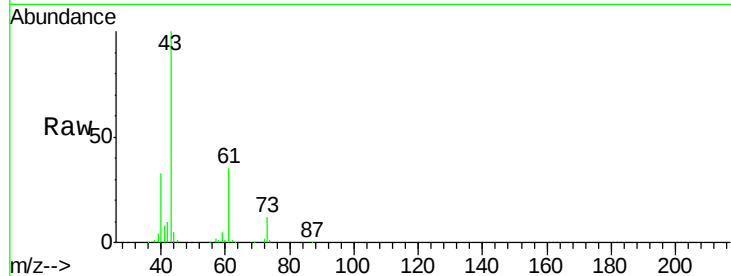


#43

Isopropyl Acetate
 Concen: 48.612 ug/l
 RT: 6.95 min Scan# 641
 Delta R.T. -0.04 min
 Lab File: VF062127.D
 Acq: 25 Mar 2019 12:48

Instrument :
 MSVOA_F
 ClientSampleId :

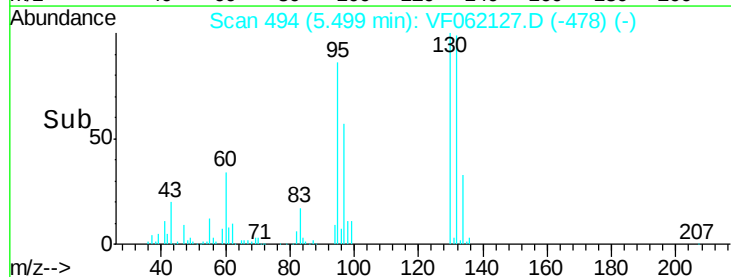
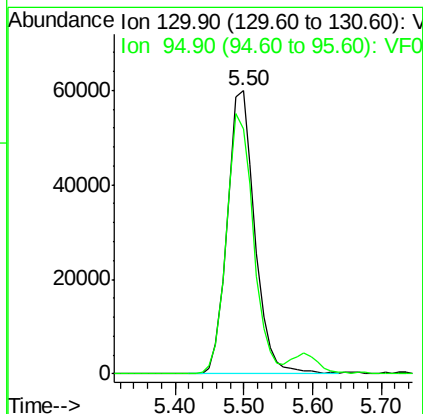
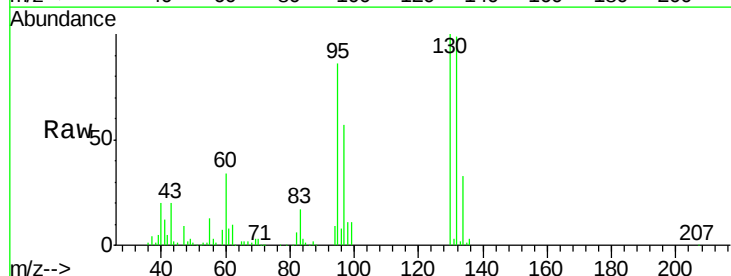
Tot Ion: 43 Resp: 103791
 Ion Ratio Lower Upper
 43 100
 61 35.2 27.0 40.4
 87 0.4 0.4 0.6#

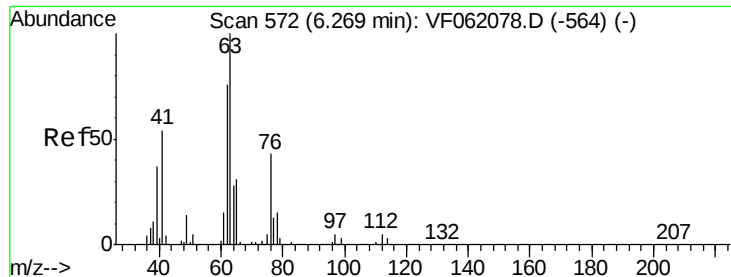


#44

Trichloroethene
 Concen: 50.212 ug/l
 RT: 5.50 min Scan# 494
 Delta R.T. -0.04 min
 Lab File: VF062127.D
 Acq: 25 Mar 2019 12:48

Tgt Ion: 130 Resp: 166021
 Ion Ratio Lower Upper
 130 100
 95 86.4 0.0 183.4





#45

1,2-Dichloropropane

Concen: 45.298 ug/l

RT: 6.22 min Scan# 567

Delta R.T. -0.05 min

Lab File: VF062127.D

Acq: 25 Mar 2019 12:48

Instrument :

MSVOA_F

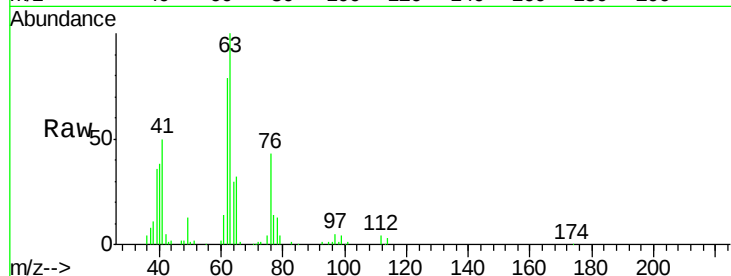
ClientSampleId :

Tot Ion: 63 Resp: 116840

Ion Ratio Lower Upper

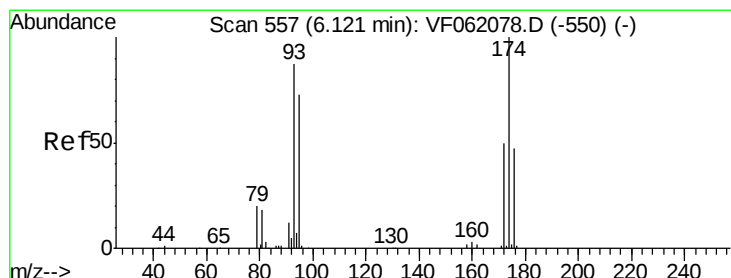
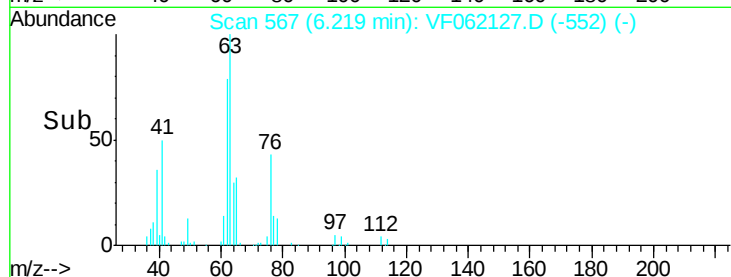
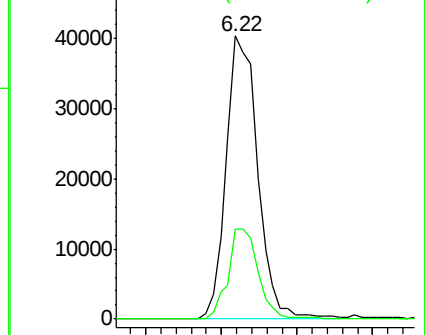
63 100

65 31.7 24.9 37.3



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 49.339 ug/l

RT: 6.08 min Scan# 553

Delta R.T. -0.04 min

Lab File: VF062127.D

Acq: 25 Mar 2019 12:48

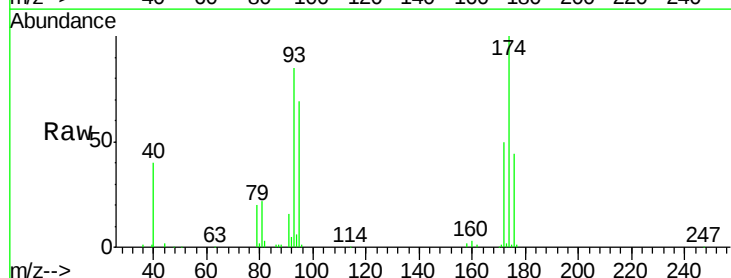
Tgt Ion: 93 Resp: 77813

Ion Ratio Lower Upper

93 100

95 81.2 67.4 101.2

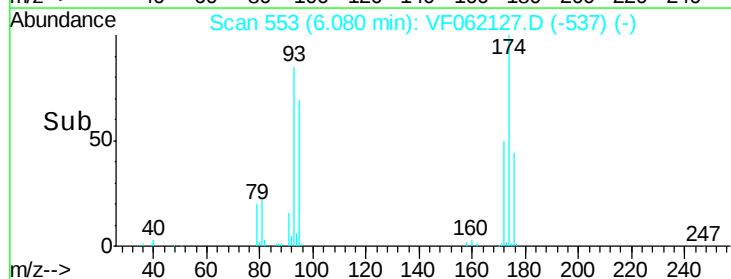
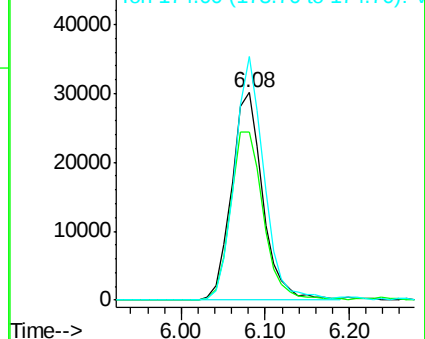
174 117.3 92.0 138.0

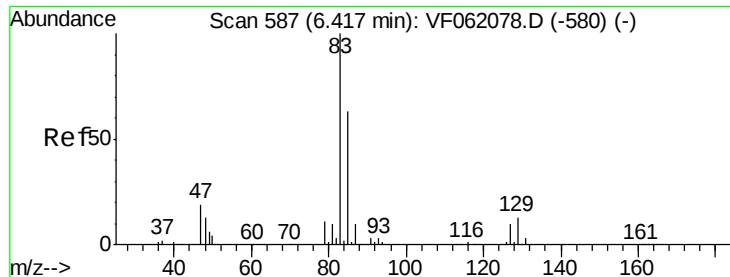


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 51.570 ug/l

RT: 6.38 min Scan# 583

Delta R.T. -0.04 min

Lab File: VF062127.D

Acq: 25 Mar 2019 12:48

Instrument :
MSVOA_F
ClientSampleId :

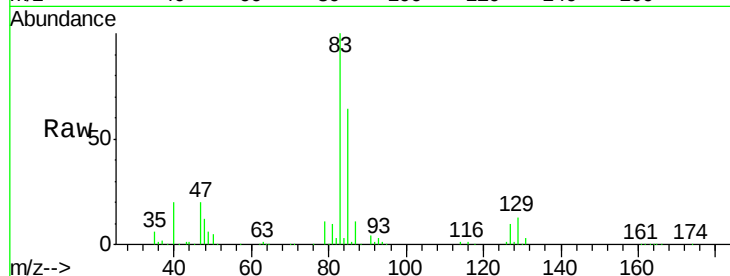
Tot Ion: 83 Resp: 180150

Ion Ratio Lower Upper

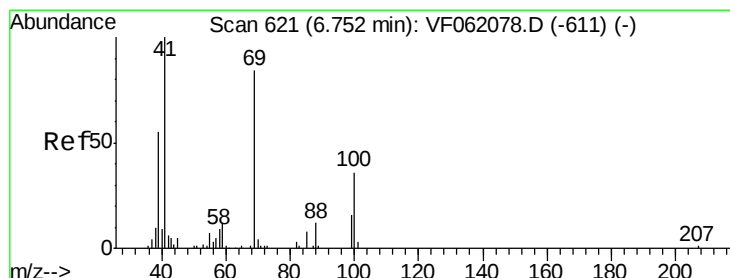
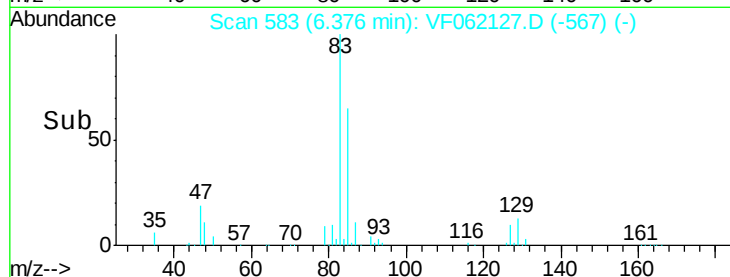
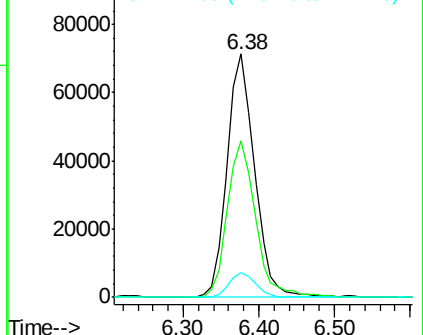
83 100

85 64.5 50.7 76.1

127 10.2 7.8 11.6



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: 48.374 ug/l

RT: 6.71 min Scan# 617

Delta R.T. -0.04 min

Lab File: VF062127.D

Acq: 25 Mar 2019 12:48

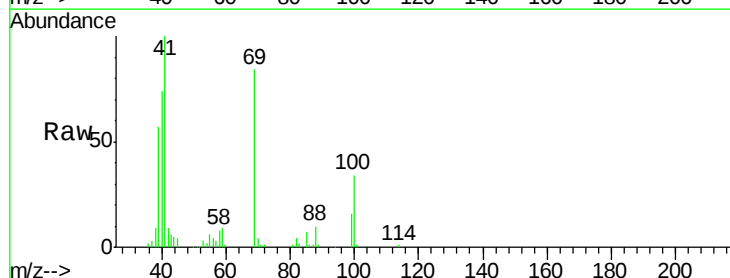
Tgt Ion: 41 Resp: 58807

Ion Ratio Lower Upper

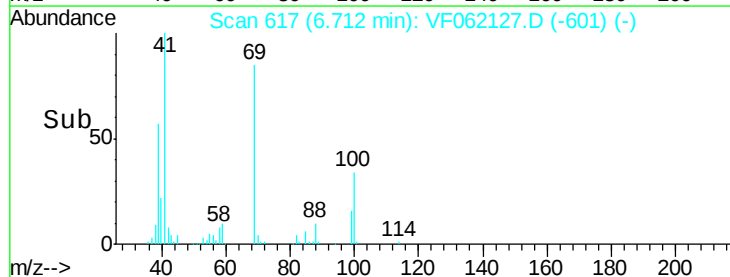
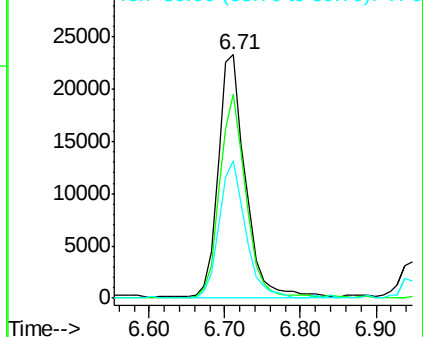
41 100

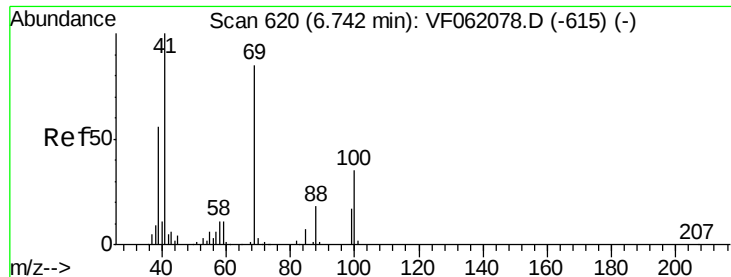
69 83.8 66.6 100.0

39 56.7 43.6 65.4



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

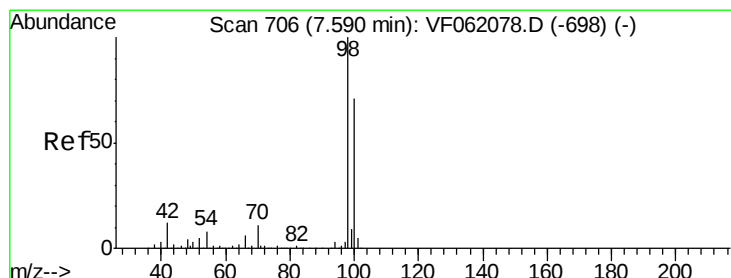
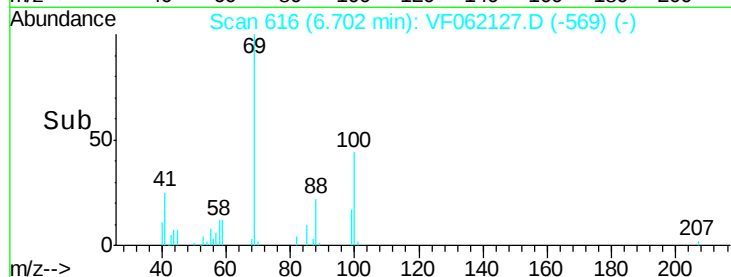
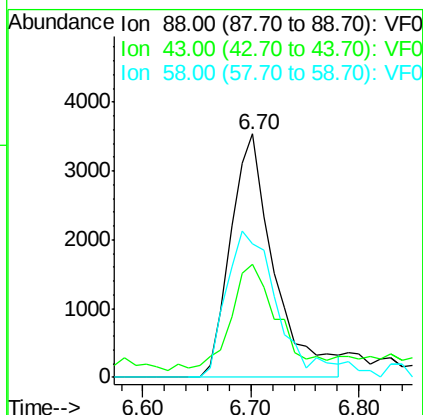
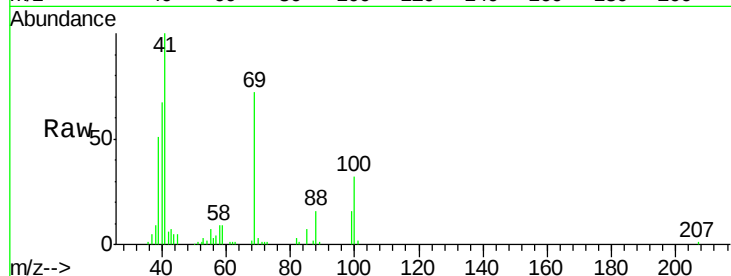




#49
1,4-Dioxane
Concen: 931.936 ug/l
RT: 6.70 min Scan# 616
Delta R.T. -0.04 min
Lab File: VF062127.D
Acq: 25 Mar 2019 12:48

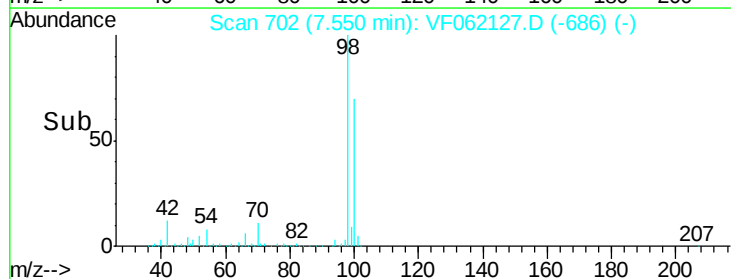
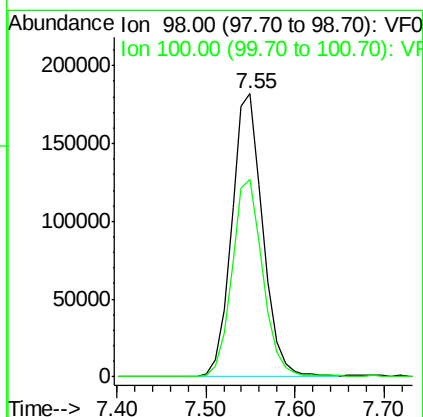
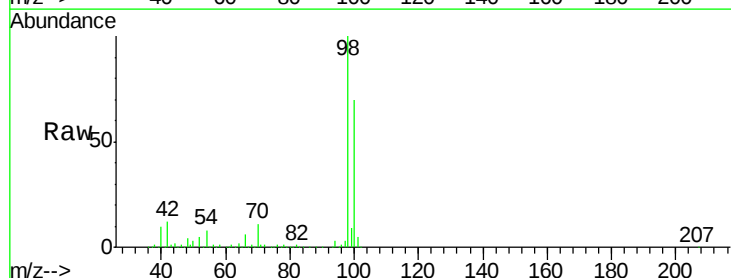
Instrument :
MSVOA_F
ClientSampleId :

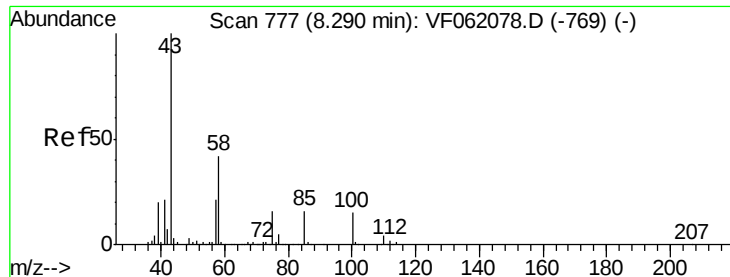
Tot Ion: 88 Resp: 9941
Ion Ratio Lower Upper
88 100
43 46.3 35.0 52.4
58 55.1 49.9 74.9



#50
Toluene-d8
Concen: 51.708 ug/l
RT: 7.55 min Scan# 702
Delta R.T. -0.04 min
Lab File: VF062127.D
Acq: 25 Mar 2019 12:48

Tgt Ion: 98 Resp: 442206
Ion Ratio Lower Upper
98 100
100 69.9 57.0 85.6





#51

4-Methyl-2-Pentanone

Concen: 243.786 ug/l

RT: 8.25 min Scan# 773

Delta R.T. -0.04 min

Lab File: VF062127.D

Acq: 25 Mar 2019 12:48

Instrument :

MSVOA_F

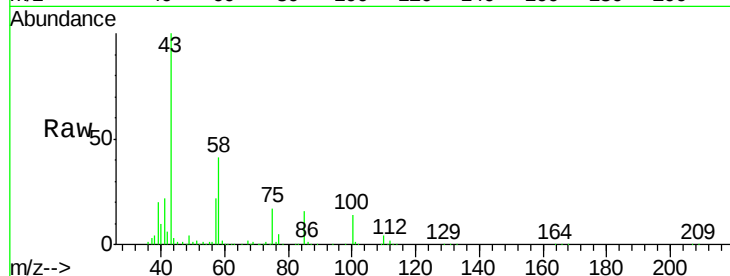
ClientSampleId :

Tot Ion: 43 Resp: 348381

Ion Ratio Lower Upper

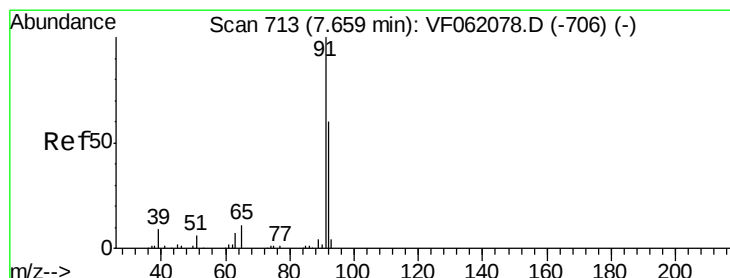
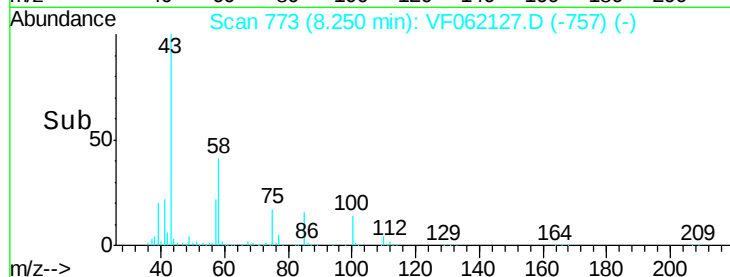
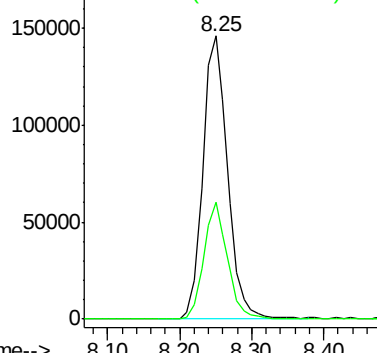
43 100

58 41.2 33.8 50.8



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 52.817 ug/l

RT: 7.62 min Scan# 709

Delta R.T. -0.04 min

Lab File: VF062127.D

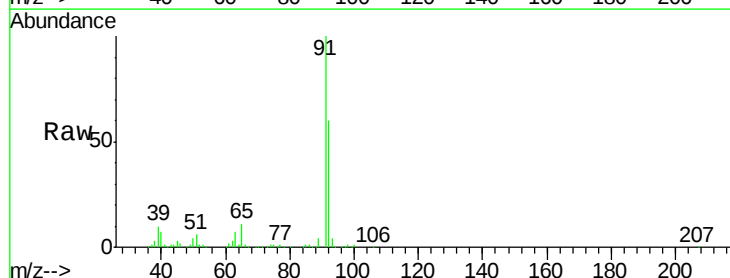
Acq: 25 Mar 2019 12:48

Tgt Ion: 92 Resp: 330840

Ion Ratio Lower Upper

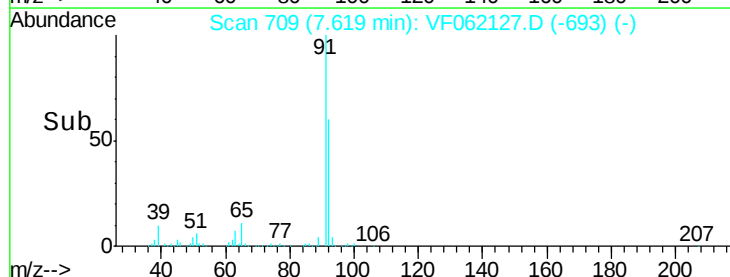
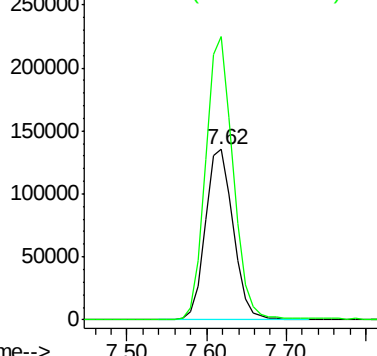
92 100

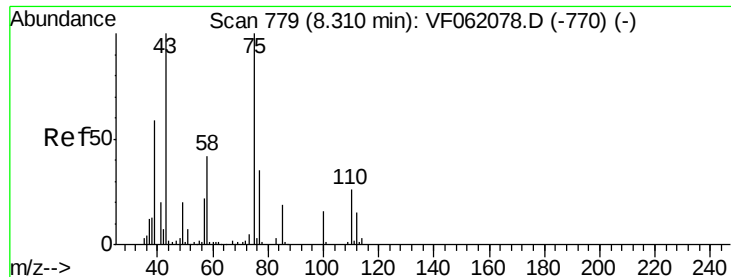
91 166.2 134.1 201.1



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

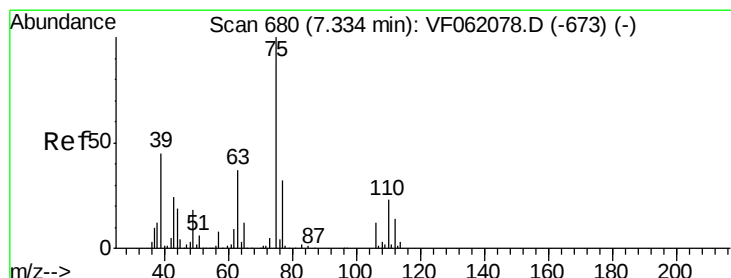
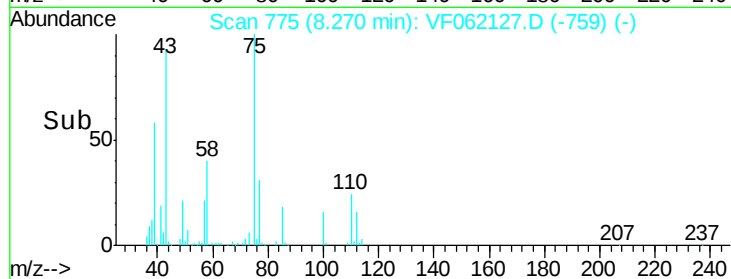
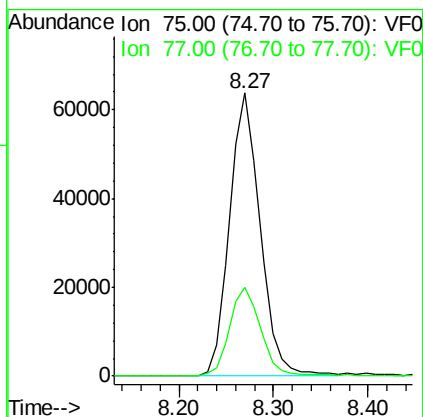
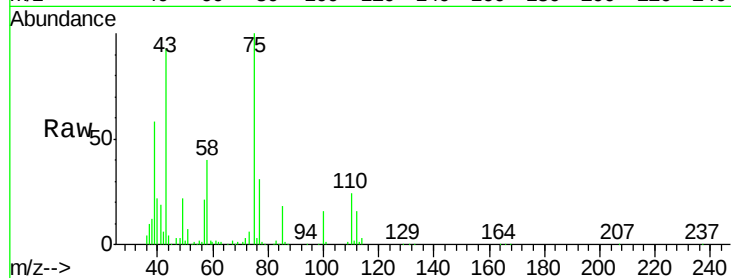




#53
 t-1,3-Dichloropropene
 Concen: 52.191 ug/l
 RT: 8.27 min Scan# 775
 Delta R.T. -0.04 min
 Lab File: VF062127.D
 Acq: 25 Mar 2019 12:48

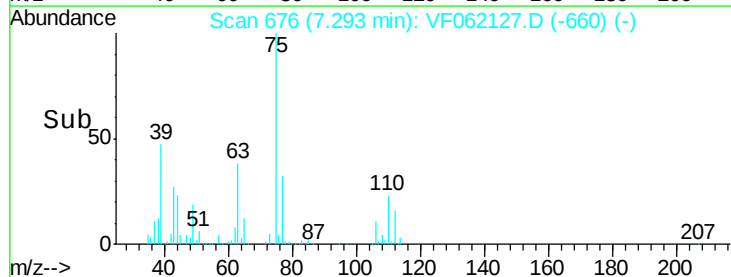
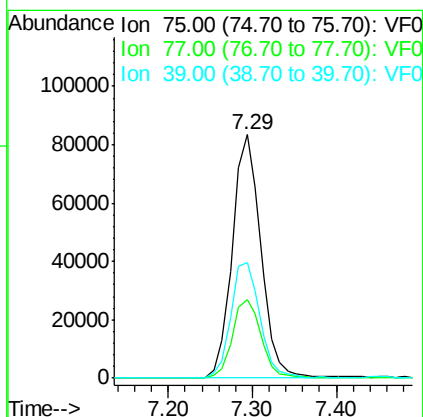
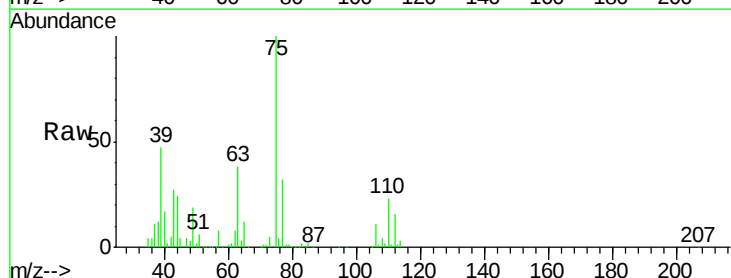
Instrument :
 MSVOA_F
 ClientSampleId :

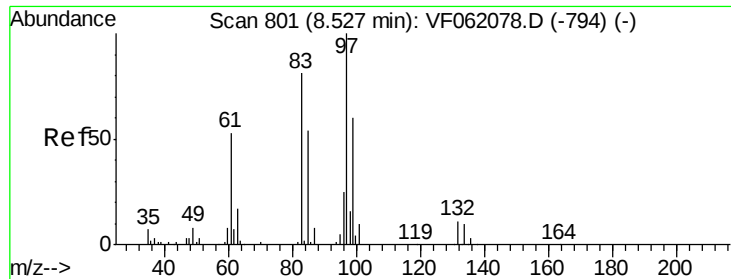
Tot Ion: 75 Resp: 143124
 Ion Ratio Lower Upper
 75 100
 77 31.4 28.0 42.0



#54
 cis-1,3-Dichloropropene
 Concen: 50.344 ug/l
 RT: 7.29 min Scan# 676
 Delta R.T. -0.04 min
 Lab File: VF062127.D
 Acq: 25 Mar 2019 12:48

Tgt Ion: 75 Resp: 197540
 Ion Ratio Lower Upper
 75 100
 77 32.4 25.8 38.6
 39 47.3 35.9 53.9





#55

1,1,2-Trichloroethane

Concen: 49.236 ug/l

RT: 8.48 min Scan# 796

Delta R.T. -0.05 min

Lab File: VF062127.D

Acq: 25 Mar 2019 12:48

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion: 97 Resp: 87602

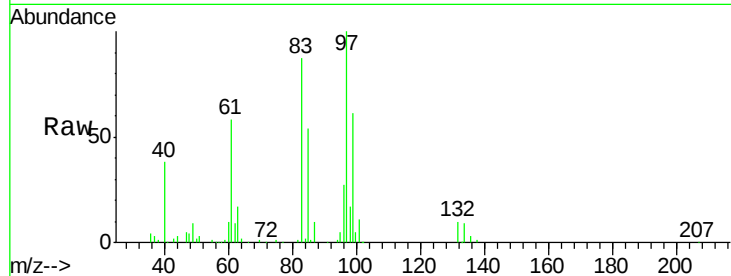
Ion Ratio Lower Upper

97 100

83 87.2 64.6 97.0

85 53.8 43.6 65.4

99 60.8 48.2 72.2

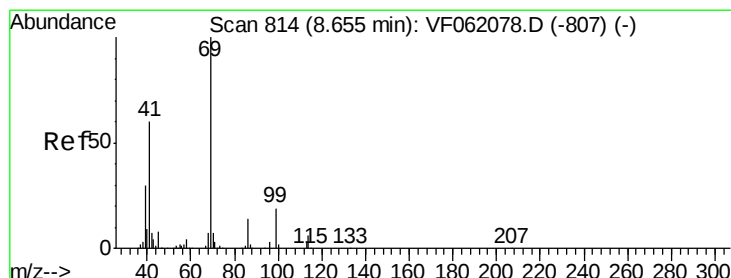
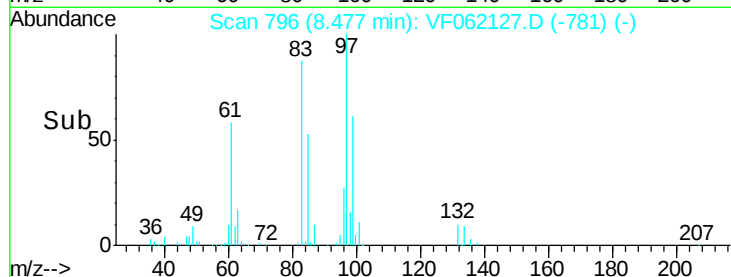
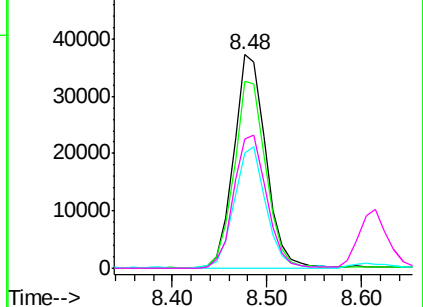


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 51.161 ug/l

RT: 8.60 min Scan# 809

Delta R.T. -0.05 min

Lab File: VF062127.D

Acq: 25 Mar 2019 12:48

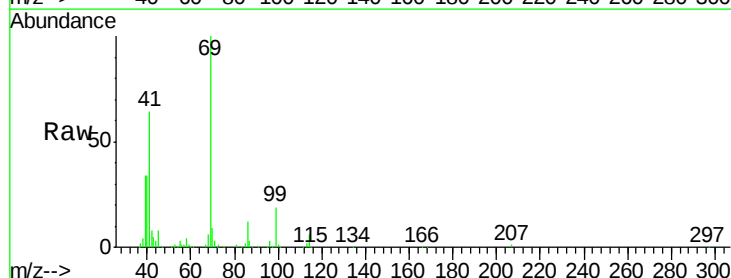
Tgt Ion: 69 Resp: 108560

Ion Ratio Lower Upper

69 100

41 64.0 48.2 72.2

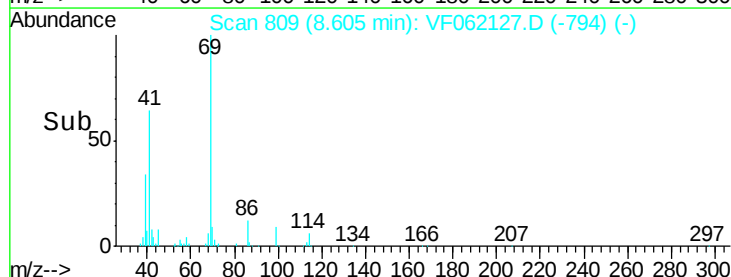
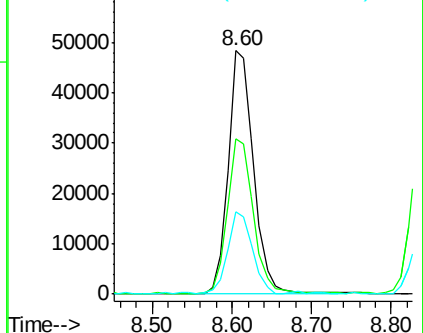
39 33.6 24.0 36.0

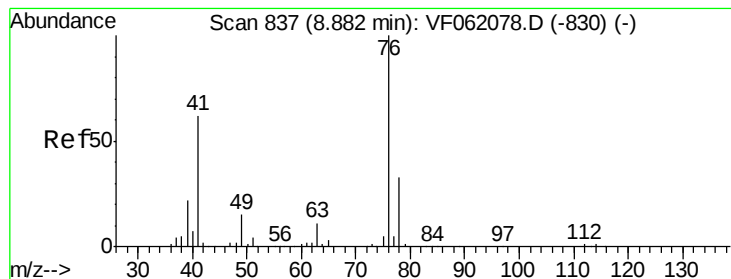


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 52.014 ug/l

RT: 8.84 min Scan# 833

Delta R.T. -0.04 min

Lab File: VF062127.D

Acq: 25 Mar 2019 12:48

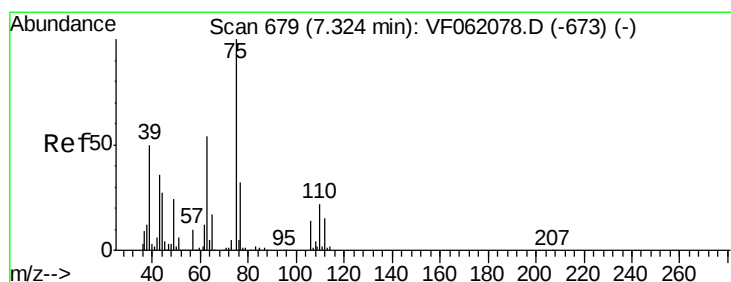
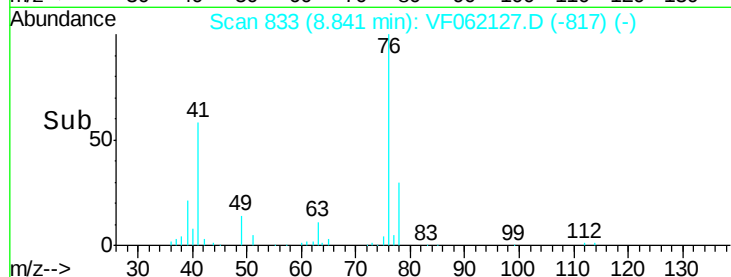
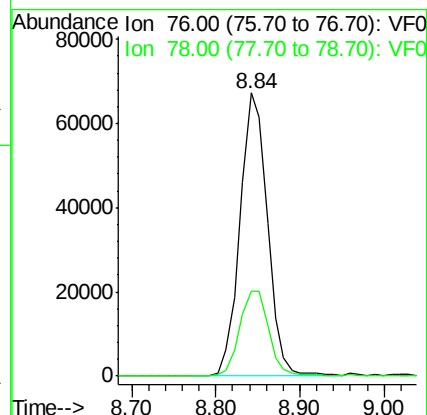
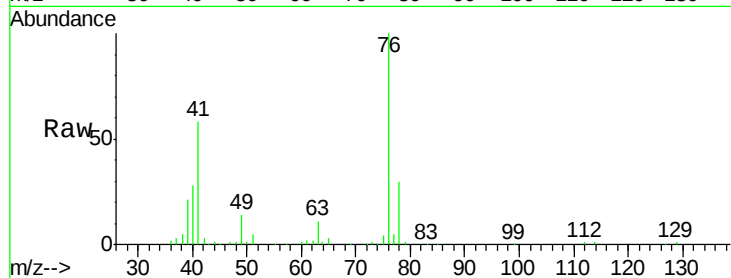
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 76 Resp: 153597

Ion Ratio Lower Upper

76 100

78 30.2 26.6 39.8



#58

2-Chloroethyl Vinyl ether

Concen: 246.563 ug/l

RT: 7.28 min Scan# 675

Delta R.T. -0.04 min

Lab File: VF062127.D

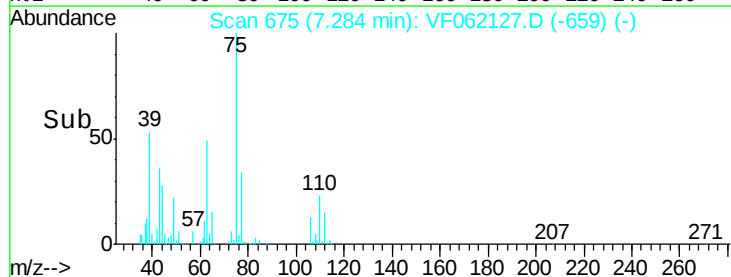
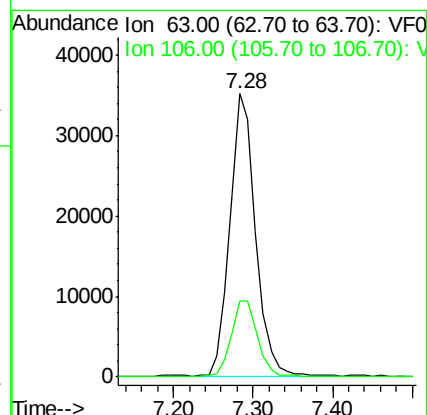
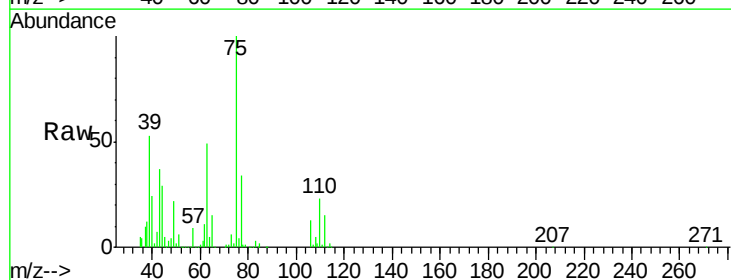
Acq: 25 Mar 2019 12:48

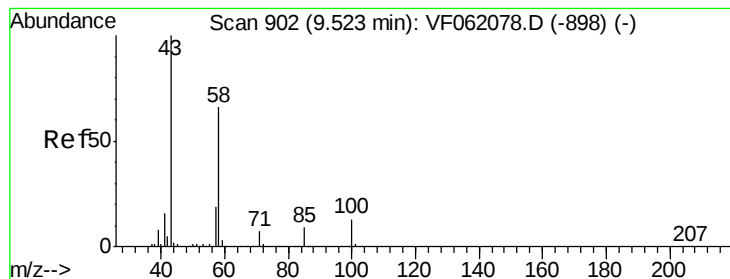
Tgt Ion: 63 Resp: 79390

Ion Ratio Lower Upper

63 100

106 26.9 21.5 32.3





#59

2-Hexanone

Concen: 248.083 ug/l

RT: 9.48 min Scan# 898

Delta R.T. -0.04 min

Lab File: VF062127.D

Acq: 25 Mar 2019 12:48

Instrument :

MSVOA_F

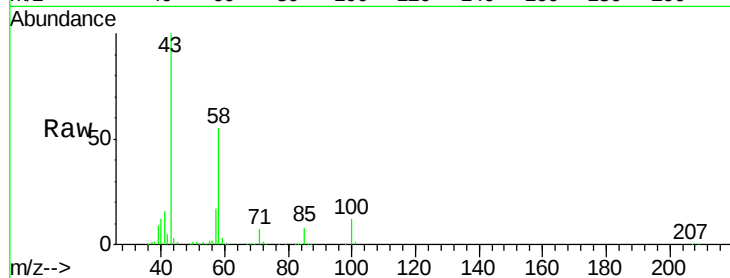
ClientSampleId :

Tot Ion: 43 Resp: 259832

Ion Ratio Lower Upper

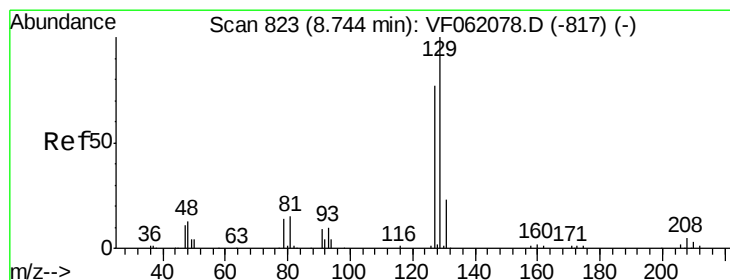
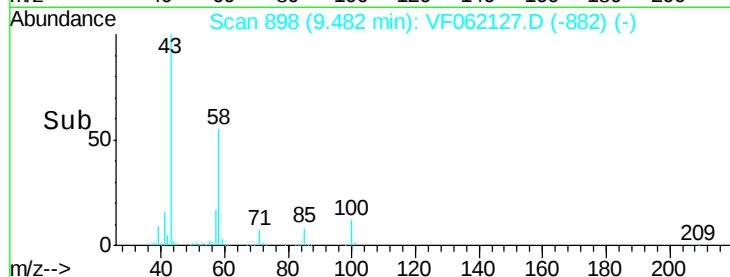
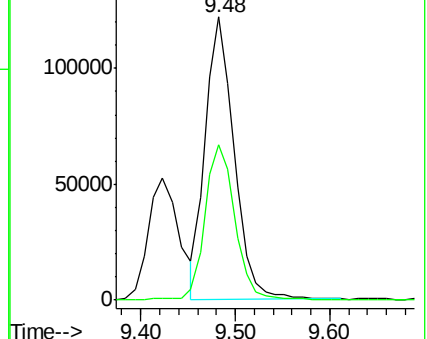
43 100

58 54.7 28.8 86.4



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#60

Dibromochloromethane

Concen: 52.630 ug/l

RT: 8.70 min Scan# 819

Delta R.T. -0.04 min

Lab File: VF062127.D

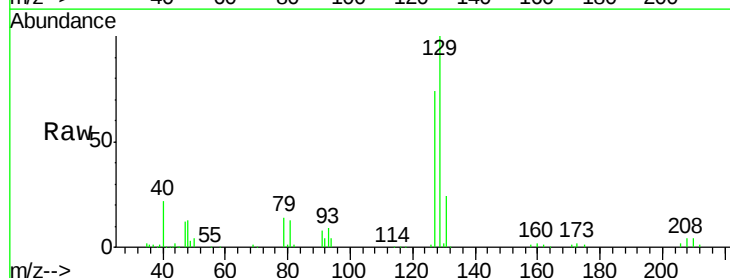
Acq: 25 Mar 2019 12:48

Tgt Ion: 129 Resp: 130177

Ion Ratio Lower Upper

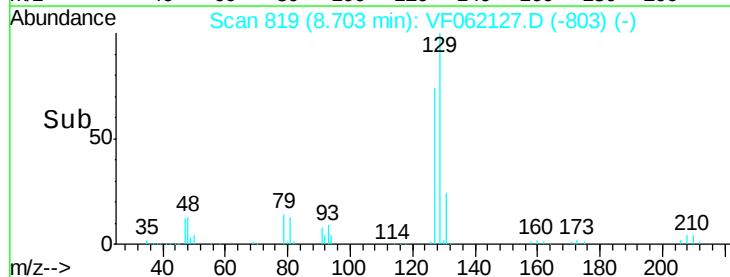
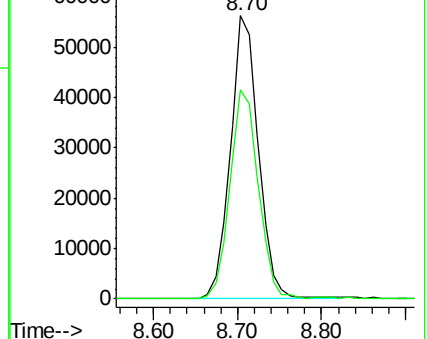
129 100

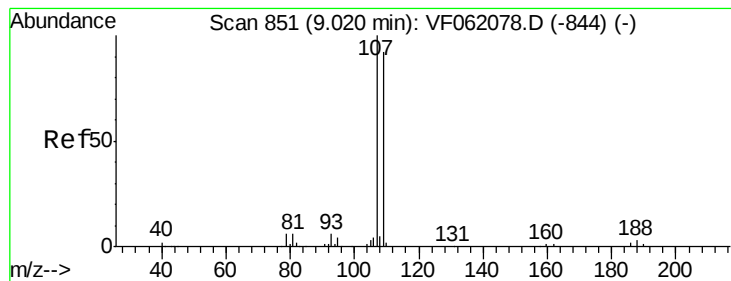
127 73.9 38.7 116.1



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#61

1,2-Dibromoethane

Concen: 50.085 ug/l

RT: 8.98 min Scan# 847

Delta R.T. -0.04 min

Lab File: VF062127.D

Acq: 25 Mar 2019 12:48

Instrument :

MSVOA_F

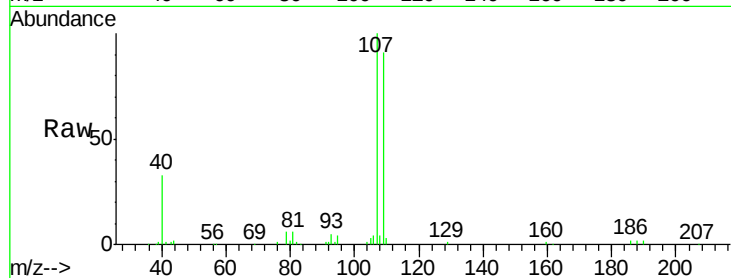
ClientSampleId :

Tot Ion:107 Resp: 95073

Ion Ratio Lower Upper

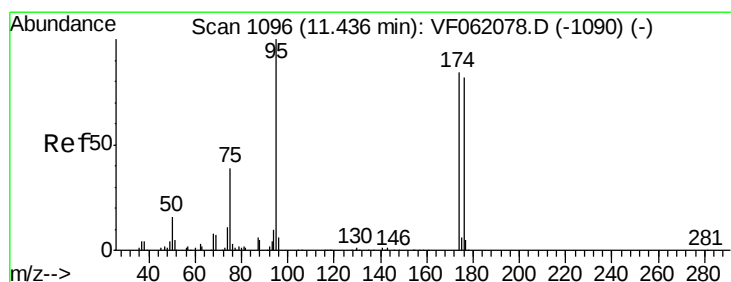
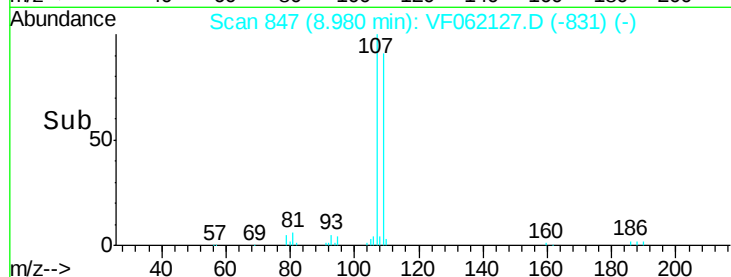
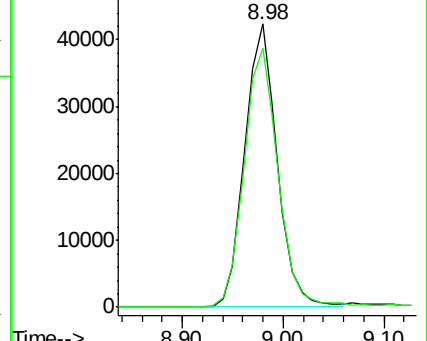
107 100

109 91.4 73.4 110.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 50.411 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.03 min

Lab File: VF062127.D

Acq: 25 Mar 2019 12:48

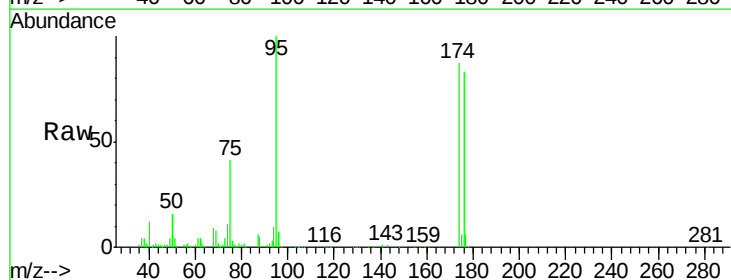
Tgt Ion: 95 Resp: 166436

Ion Ratio Lower Upper

95 100

174 87.2 0.0 168.2

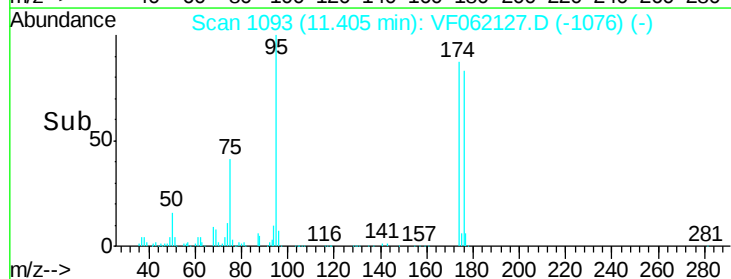
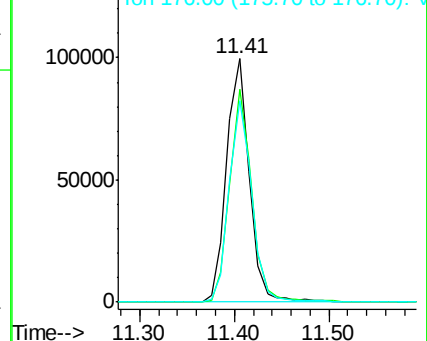
176 82.7 0.0 164.2

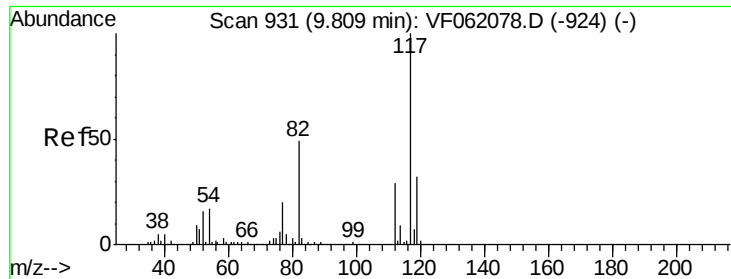


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

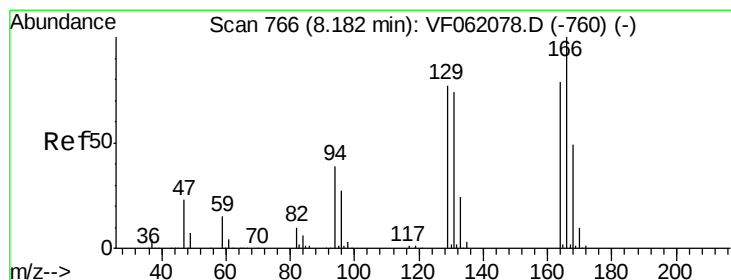
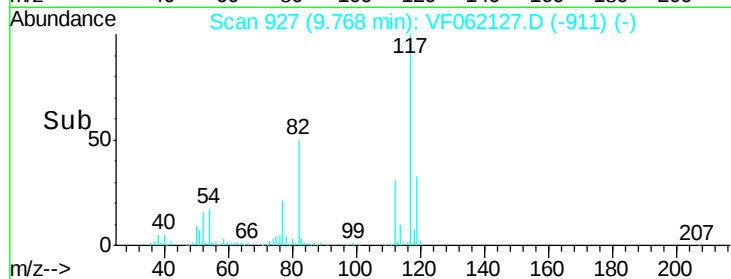
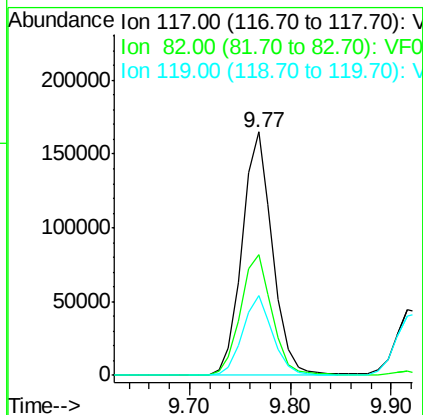
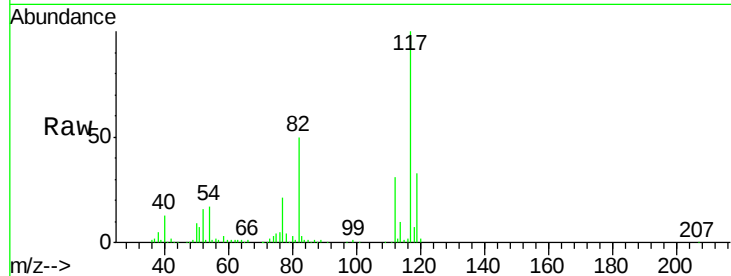




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. -0.04 min
Lab File: VF062127.D
Acq: 25 Mar 2019 12:48

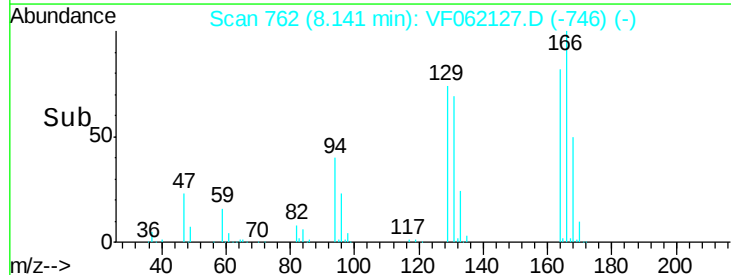
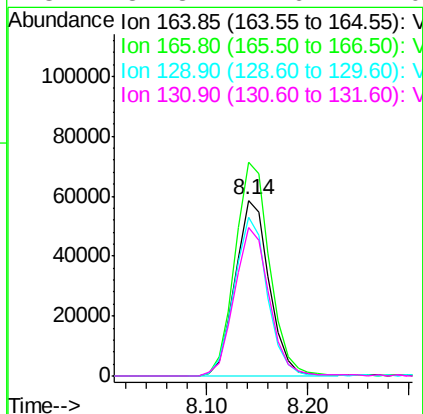
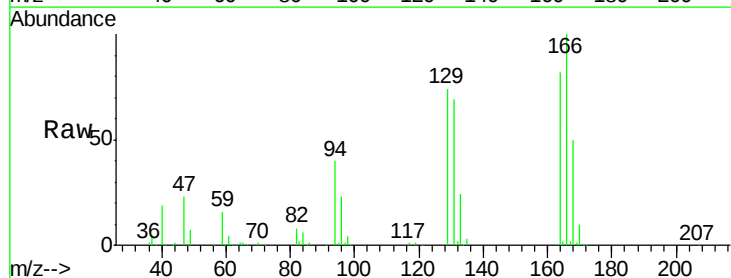
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:117 Resp: 346804
Ion Ratio Lower Upper
117 100
82 49.8 39.2 58.8
119 32.9 25.4 38.2



#64
Tetrachloroethene
Concen: 51.479 ug/l
RT: 8.14 min Scan# 762
Delta R.T. -0.04 min
Lab File: VF062127.D
Acq: 25 Mar 2019 12:48

Tgt Ion:164 Resp: 137931
Ion Ratio Lower Upper
164 100
166 121.7 100.9 151.3
129 90.4 77.9 116.9
131 84.3 74.6 112.0





#65

Chlorobenzene

Concen: 53.810 ug/l

RT: 9.79 min Scan# 929

Delta R.T. -0.04 min

Lab File: VF062127.D

Acq: 25 Mar 2019 12:48

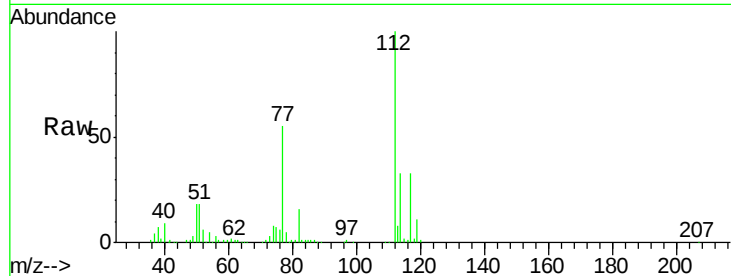
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:112 Resp: 349173

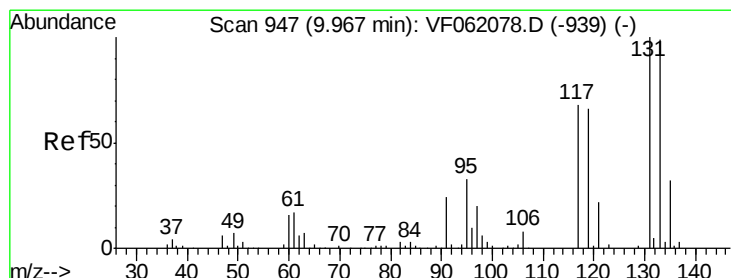
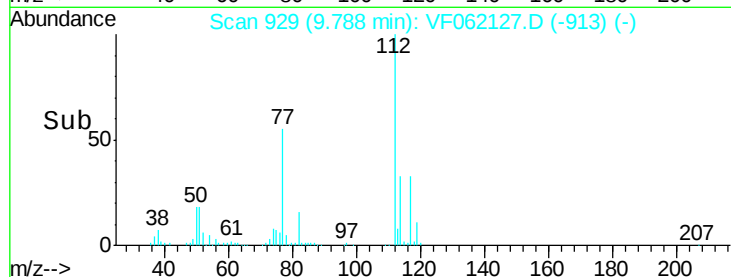
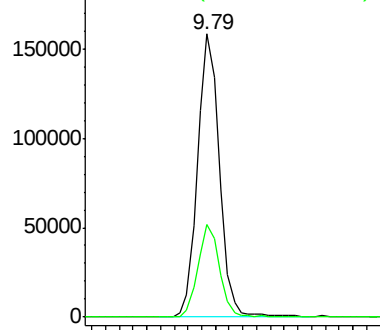
Ion Ratio Lower Upper

112 100

114 32.7 26.0 39.0



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 53.467 ug/l

RT: 9.93 min Scan# 943

Delta R.T. -0.04 min

Lab File: VF062127.D

Acq: 25 Mar 2019 12:48

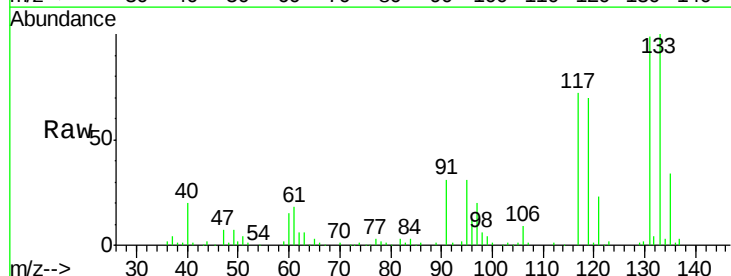
Tgt Ion:131 Resp: 139363

Ion Ratio Lower Upper

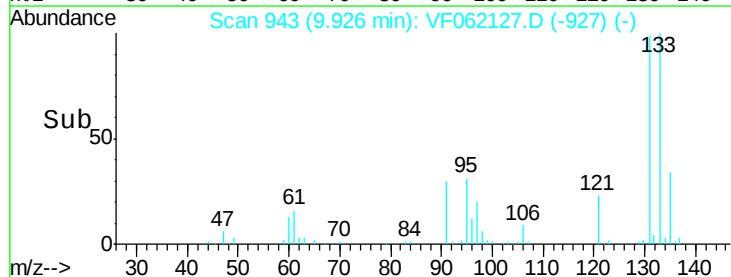
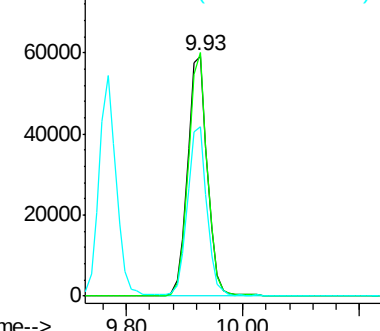
131 100

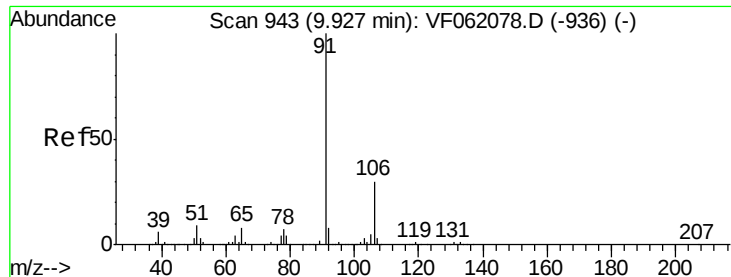
133 101.4 49.3 147.8

119 70.7 33.5 100.4



Abundance Ion 131.00 (130.70 to 131.70): V
Ion 133.00 (132.70 to 133.70): V
Ion 119.00 (118.70 to 119.70): V





#67

Ethyl Benzene

Concen: 53.972 ug/l

RT: 9.90 min Scan# 940

Delta R.T. -0.03 min

Lab File: VF062127.D

Acq: 25 Mar 2019 12:48

Instrument :

MSVOA_F

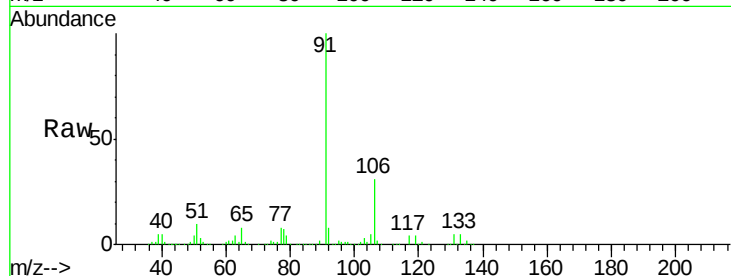
ClientSampleId :

Tot Ion: 91 Resp: 609064

Ion Ratio Lower Upper

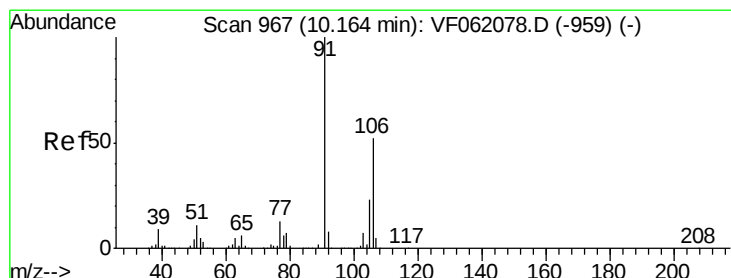
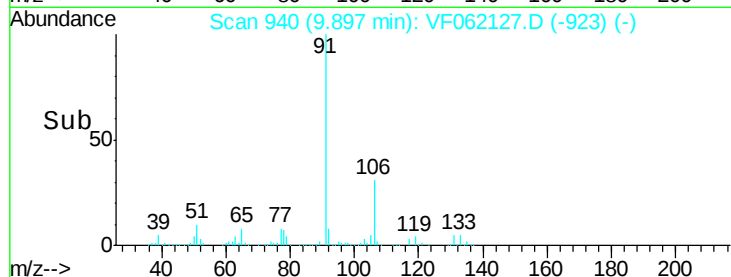
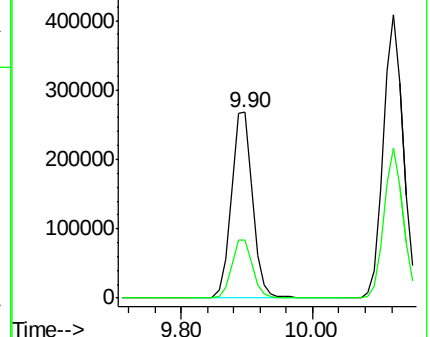
91 100

106 31.1 24.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 106.223 ug/l

RT: 10.12 min Scan# 963

Delta R.T. -0.04 min

Lab File: VF062127.D

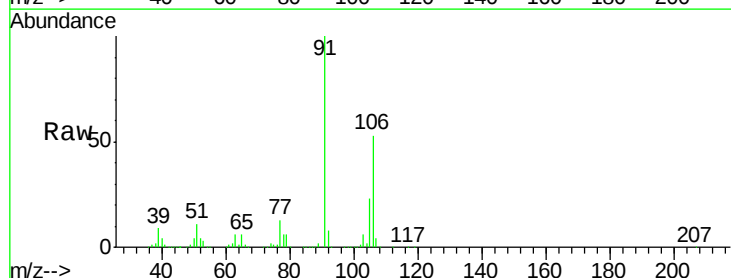
Acq: 25 Mar 2019 12:48

Tgt Ion: 106 Resp: 448030

Ion Ratio Lower Upper

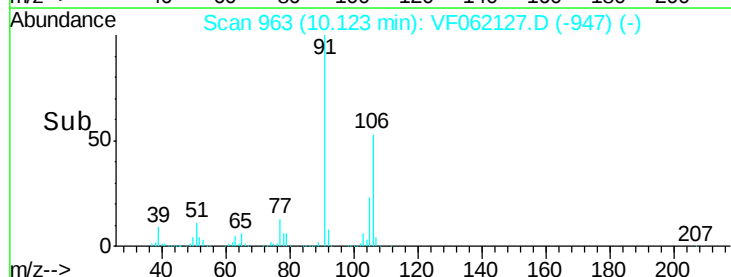
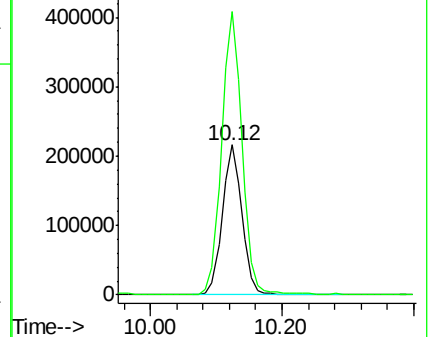
106 100

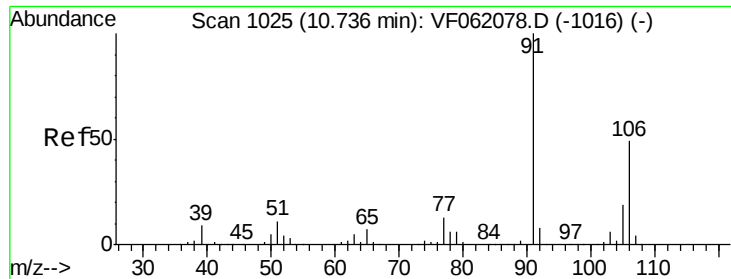
91 189.1 154.4 231.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

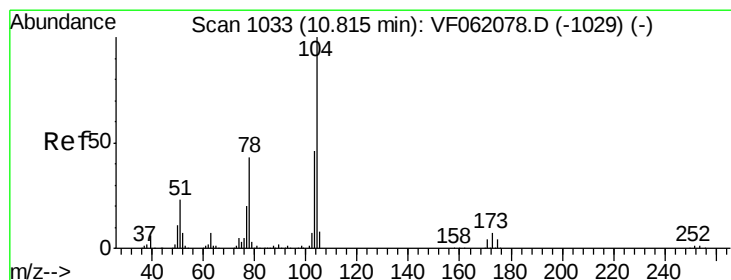
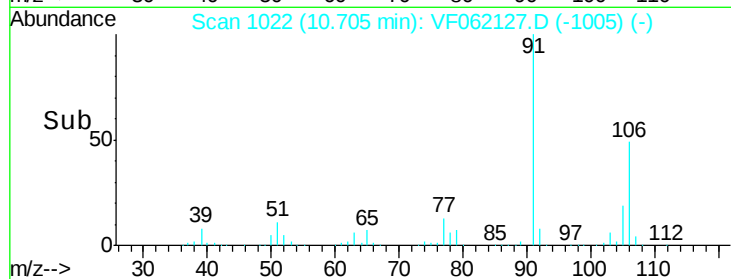
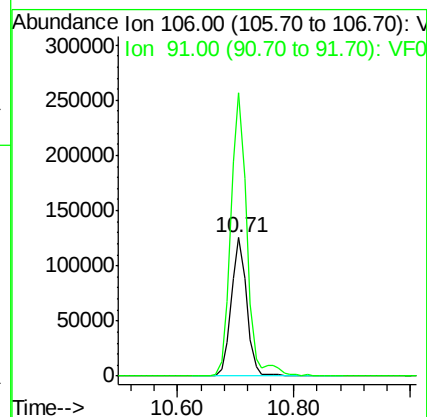
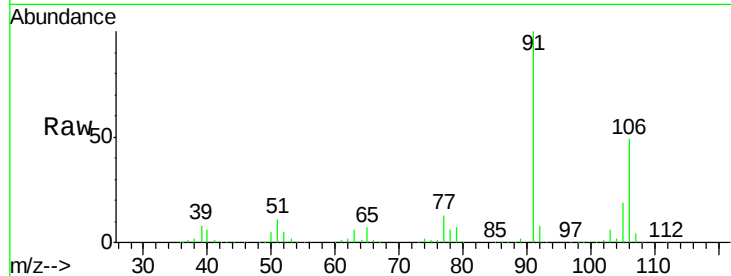




#69
o-Xylene
Concen: 52.524 ug/l
RT: 10.71 min Scan# 1022
Delta R.T. -0.03 min
Lab File: VF062127.D
Acq: 25 Mar 2019 12:48

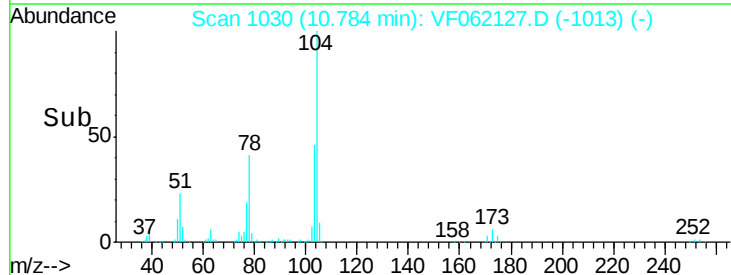
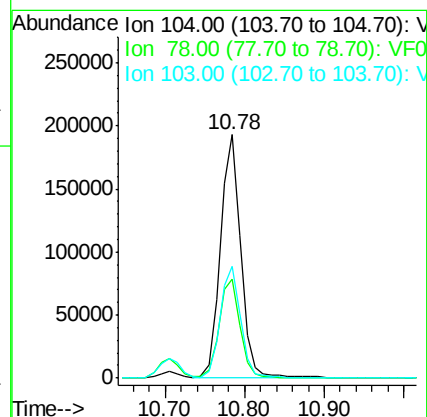
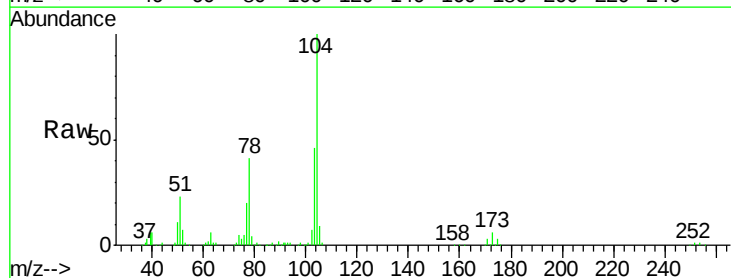
Instrument :
MSVOA_F
ClientSampled :

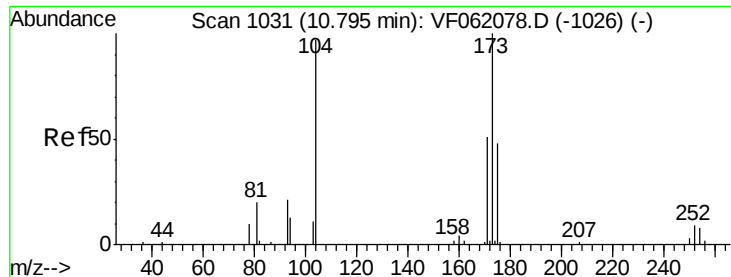
Tot Ion:106 Resp: 232028
Ion Ratio Lower Upper
106 100
91 204.3 102.6 307.8



#70
Styrene
Concen: 52.196 ug/l
RT: 10.78 min Scan# 1030
Delta R.T. -0.03 min
Lab File: VF062127.D
Acq: 25 Mar 2019 12:48

Tgt Ion:104 Resp: 349360
Ion Ratio Lower Upper
104 100
78 40.9 34.3 51.5
103 46.0 36.9 55.3





#71

Bromoform

Concen: 50.791 ug/l

RT: 10.76 min Scan# 1028

Delta R.T. -0.03 min

Lab File: VF062127.D

Acq: 25 Mar 2019 12:48

Instrument :

MSVOA_F

ClientSampled :

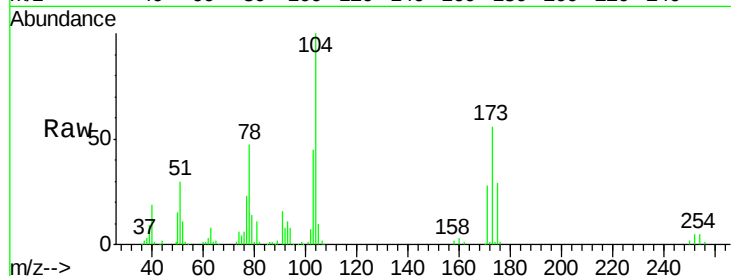
Tot Ion:173 Resp: 67714

Ion Ratio Lower Upper

173 100

175 51.3 24.1 72.4

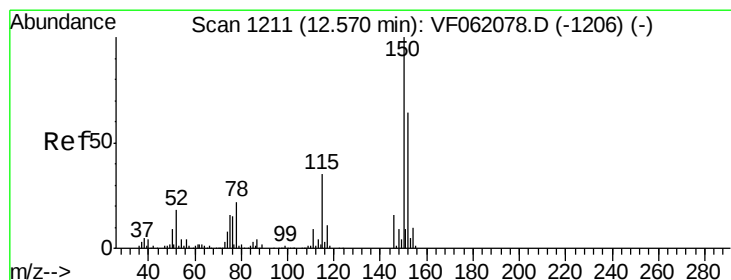
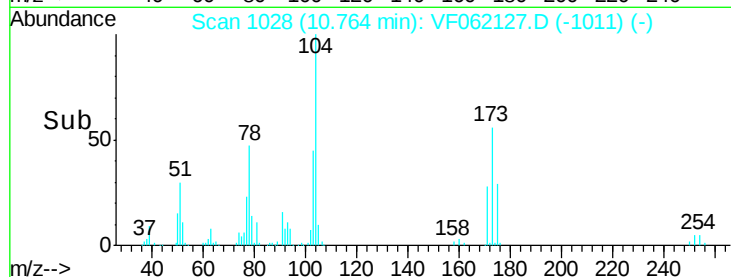
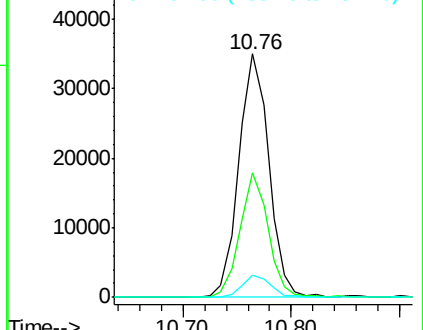
254 9.0 6.2 9.4



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. -0.02 min

Lab File: VF062127.D

Acq: 25 Mar 2019 12:48

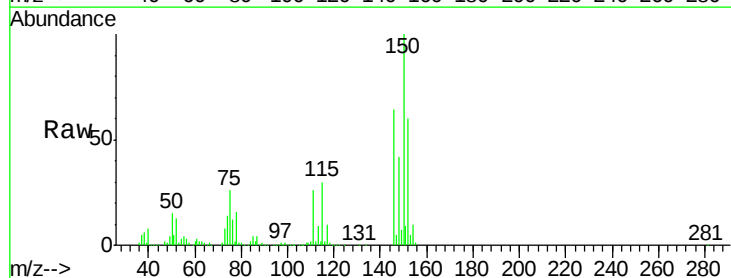
Tgt Ion:152 Resp: 178672

Ion Ratio Lower Upper

152 100

115 50.4 27.7 83.1

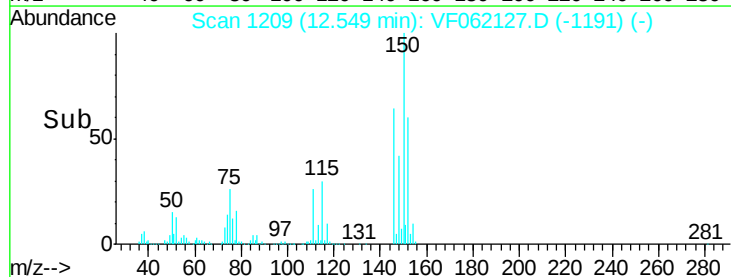
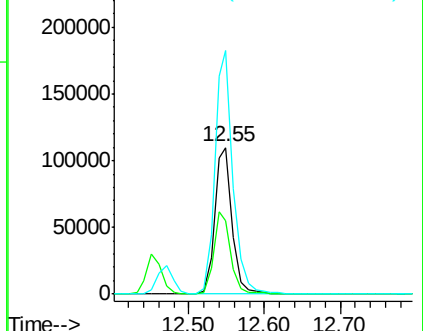
150 165.8 0.0 313.2

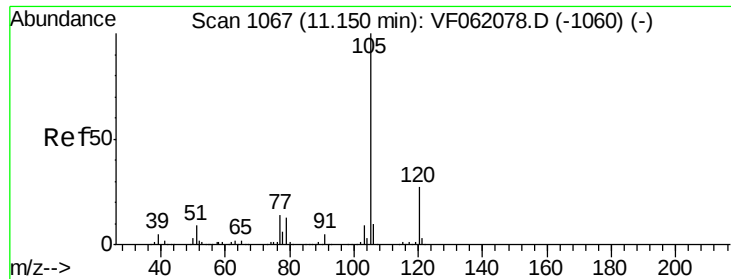


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 55.774 ug/l

RT: 11.12 min Scan# 1064

Delta R.T. -0.03 min

Lab File: VF062127.D

Acq: 25 Mar 2019 12:48

Instrument :

MSVOA_F

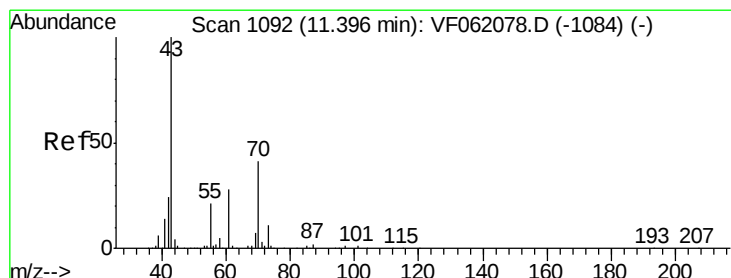
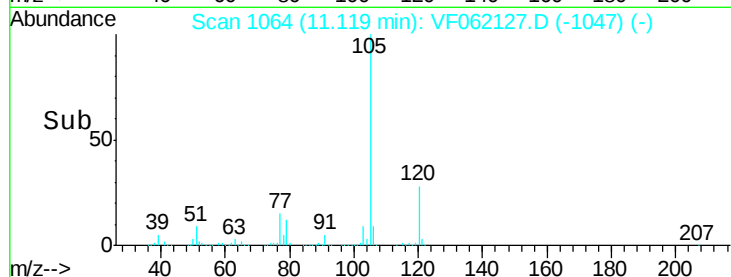
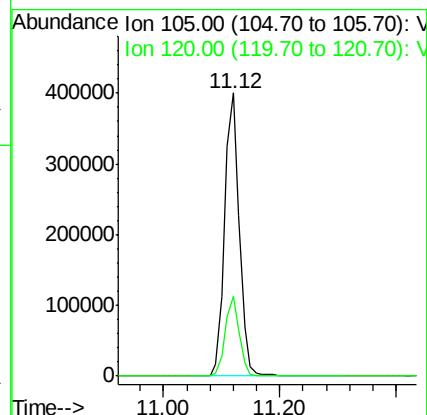
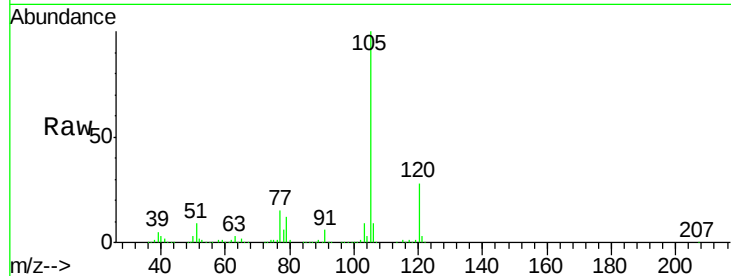
ClientSampleId :

Tot Ion:105 Resp: 701218

Ion Ratio Lower Upper

105 100

120 28.2 13.8 41.3



#74

N-ethyl acetate

Concen: 52.700 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. -0.03 min

Lab File: VF062127.D

Acq: 25 Mar 2019 12:48

Tgt Ion: 43 Resp: 157874

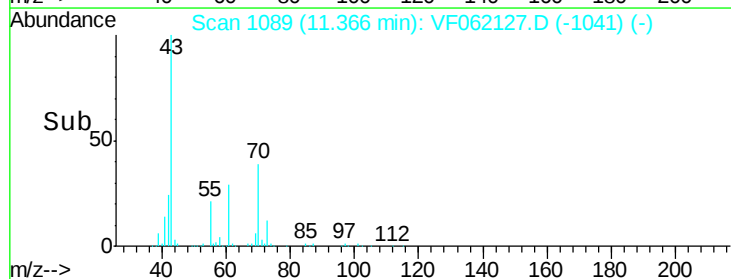
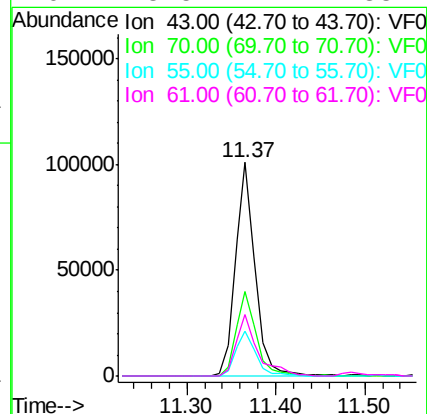
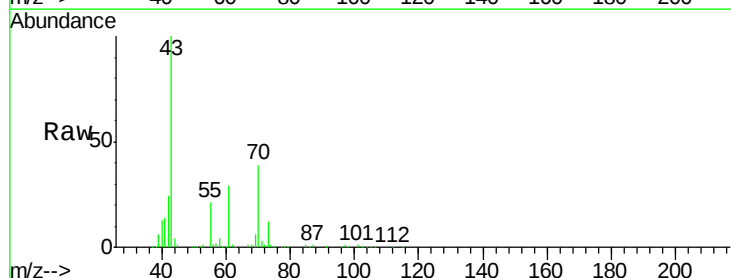
Ion Ratio Lower Upper

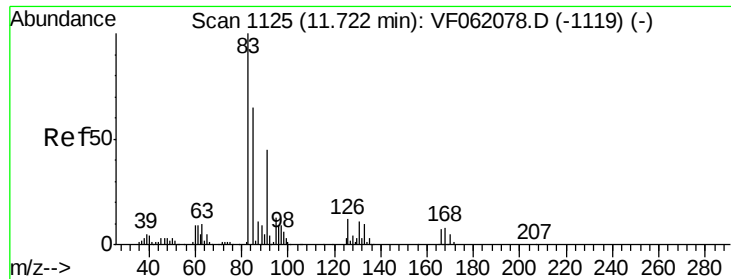
43 100

70 39.3 32.9 49.3

55 21.1 17.1 25.7

61 28.5 22.2 33.2





#75

1,1,2,2-Tetrachloroethane

Concen: 52.538 ug/l

RT: 11.69 min Scan# 1122

Delta R.T. -0.03 min

Lab File: VF062127.D

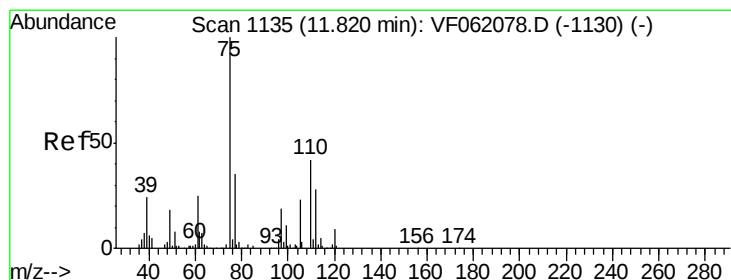
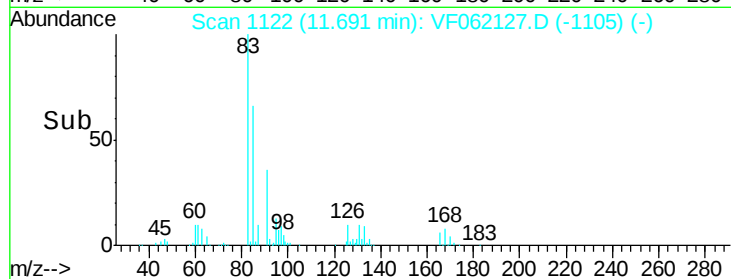
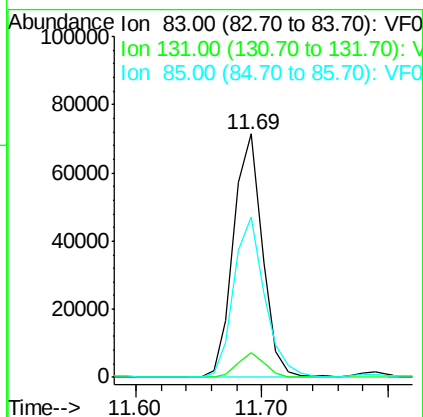
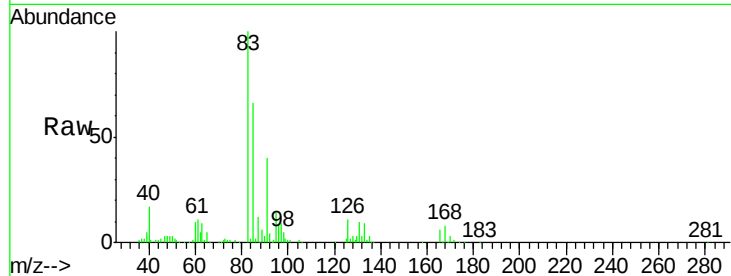
Acq: 25 Mar 2019 12:48

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion:	83	Resp:	113415
Ion	Ratio	Lower	Upper
83	100		
131	10.2	5.3	15.8
85	65.8	32.6	98.0



#76

1,2,3-Trichloropropane

Concen: 50.071 ug/l

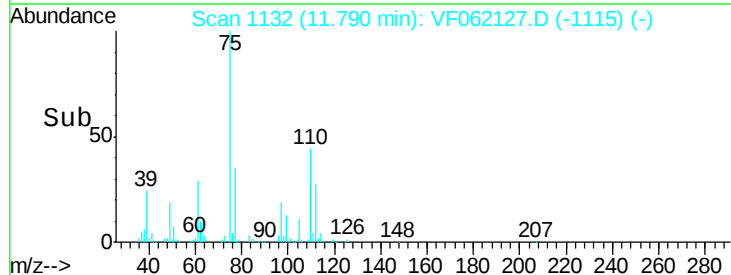
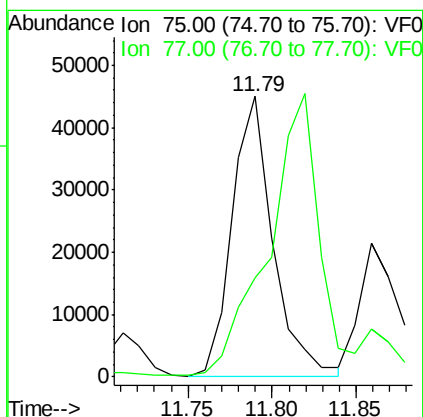
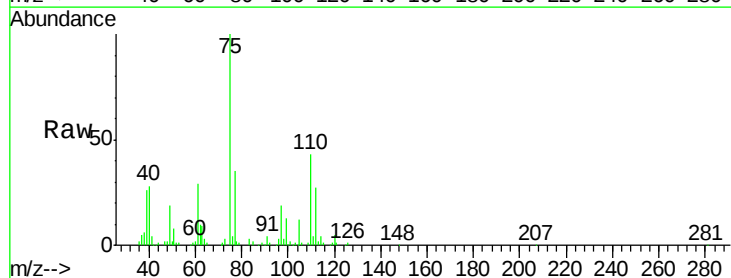
RT: 11.79 min Scan# 1132

Delta R.T. -0.03 min

Lab File: VF062127.D

Acq: 25 Mar 2019 12:48

Tgt Ion:	75	Resp:	76069
Ion	Ratio	Lower	Upper
75	100		
77	35.3	17.8	53.3





#77

Bromobenzene

Concen: 53.433 ug/l

RT: 11.48 min Scan# 1101

Delta R.T. -0.04 min

Lab File: VF062127.D

Acq: 25 Mar 2019 12:48

Instrument :

MSVOA_F

ClientSampleId :

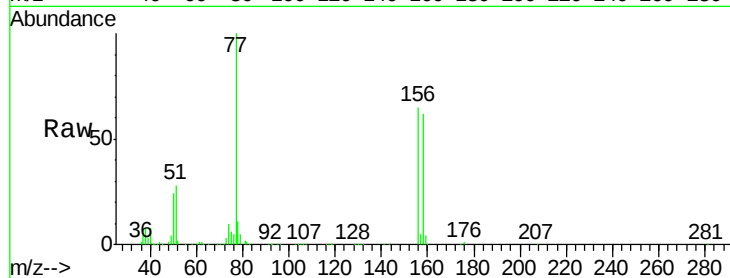
Tot Ion:156 Resp: 164128

Ion Ratio Lower Upper

156 100

77 154.2 61.3 183.9

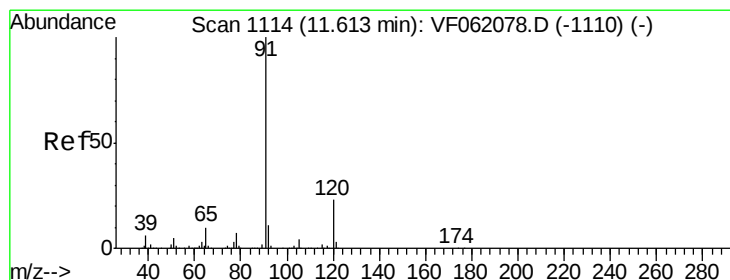
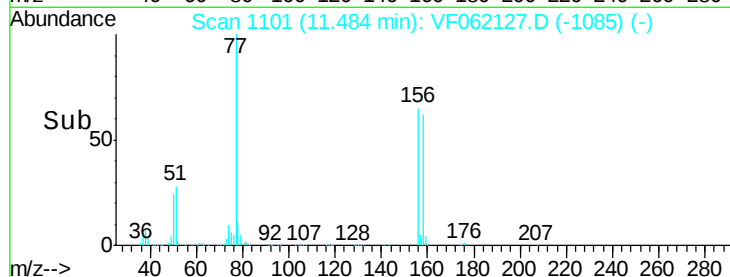
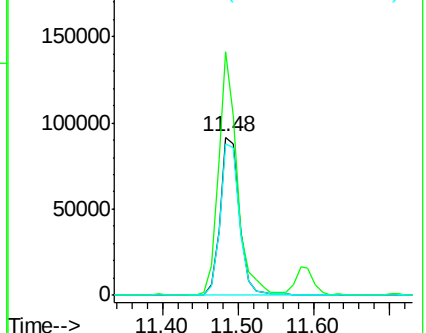
158 96.2 48.6 145.9



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: 52.209 ug/l

RT: 11.59 min Scan# 1112

Delta R.T. -0.02 min

Lab File: VF062127.D

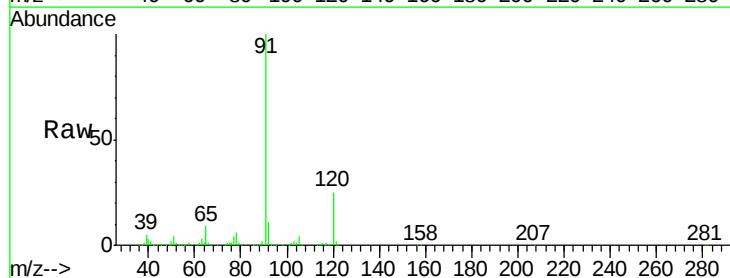
Acq: 25 Mar 2019 12:48

Tgt Ion: 91 Resp: 762202

Ion Ratio Lower Upper

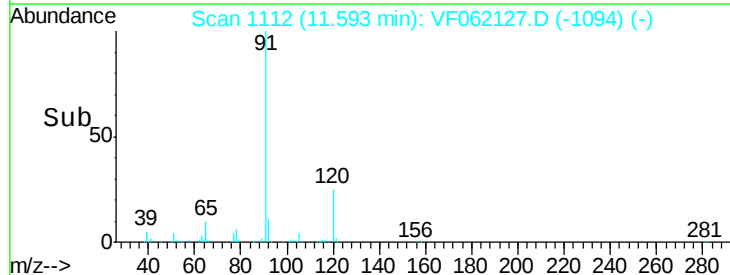
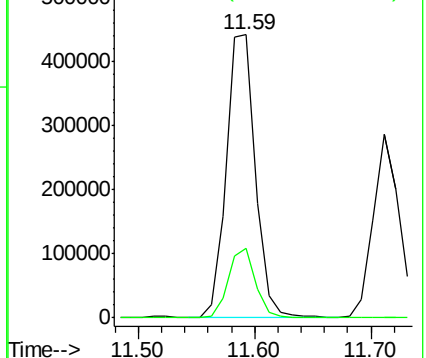
91 100

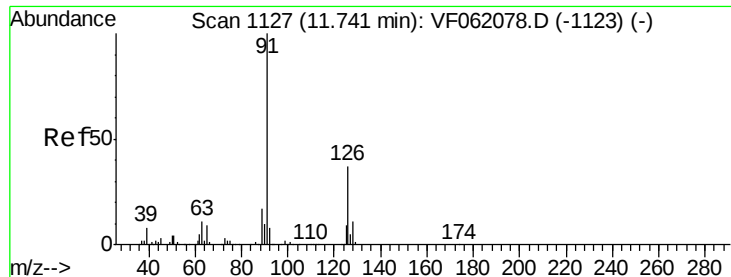
120 24.6 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 54.243 ug/l

RT: 11.71 min Scan# 1124

Delta R.T. -0.03 min

Lab File: VF062127.D

Acq: 25 Mar 2019 12:48

Instrument :

MSVOA_F

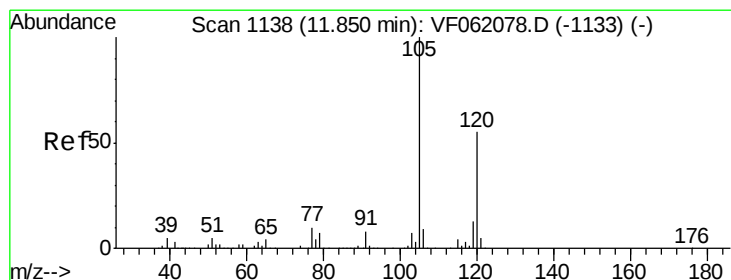
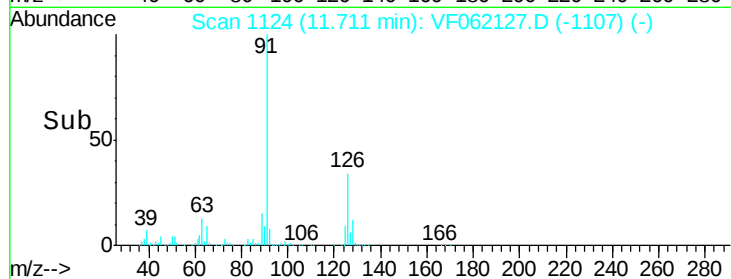
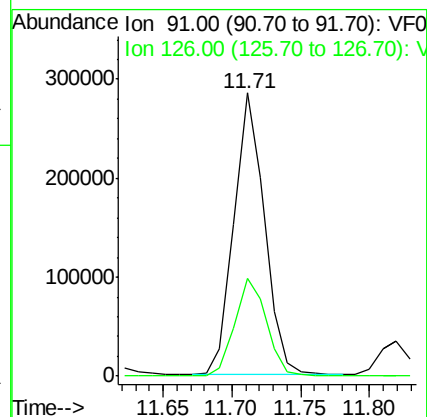
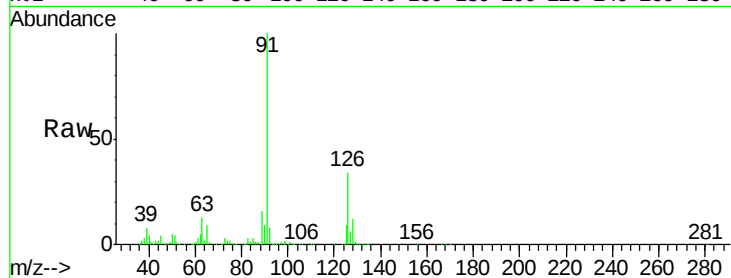
ClientSampleId :

Tot Ion: 91 Resp: 440150

Ion Ratio Lower Upper

91 100

126 34.5 18.3 54.8



#80

1,3,5-Trimethylbenzene

Concen: 53.425 ug/l

RT: 11.82 min Scan# 1135

Delta R.T. -0.03 min

Lab File: VF062127.D

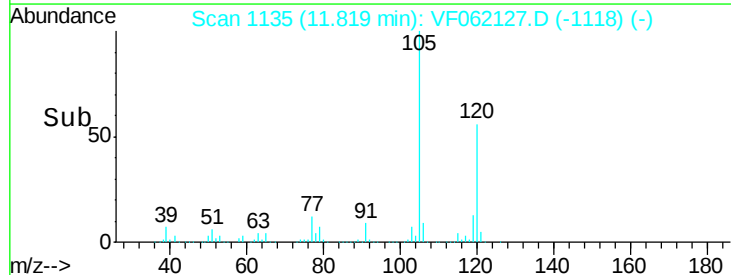
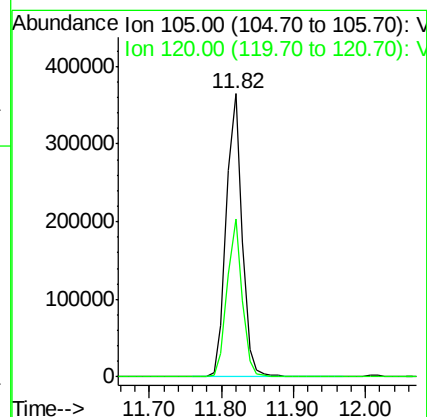
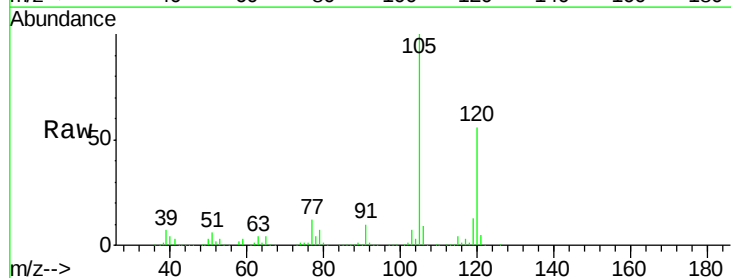
Acq: 25 Mar 2019 12:48

Tgt Ion: 105 Resp: 552493

Ion Ratio Lower Upper

105 100

120 56.0 27.8 83.3





#81

trans-1,4-Dichloro-2-butene

Concen: 72.873 ug/l

RT: 11.86 min Scan# 1139

Delta R.T. -0.03 min

Lab File: VF062127.D

Acq: 25 Mar 2019 12:48

Instrument :

MSVOA_F

ClientSampleId :

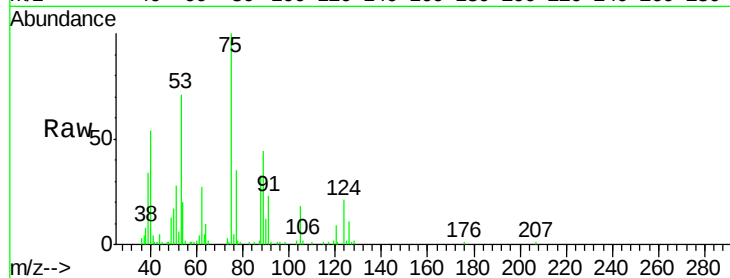
Tot Ion: 75 Resp: 45112

Ion Ratio Lower Upper

75 100

53 70.5 49.4 74.0

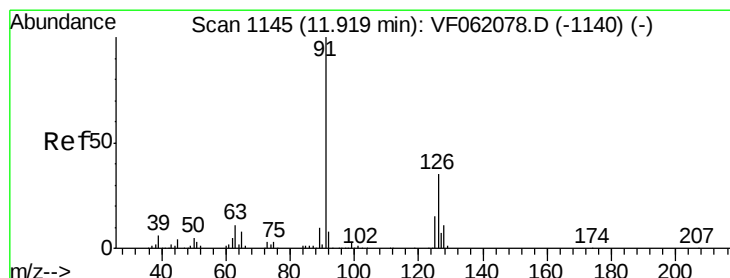
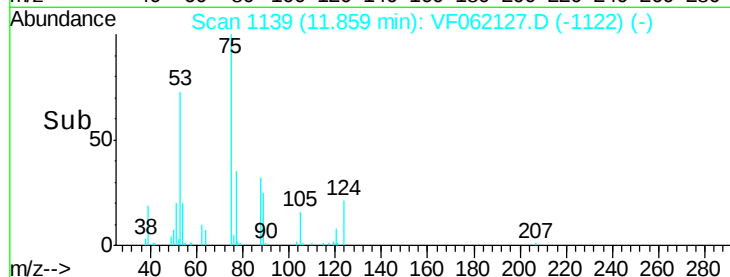
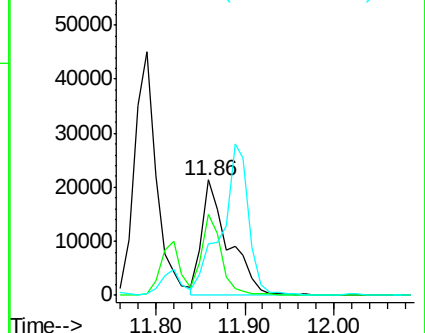
89 44.3 40.6 60.8



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 53.036 ug/l

RT: 11.89 min Scan# 1142

Delta R.T. -0.03 min

Lab File: VF062127.D

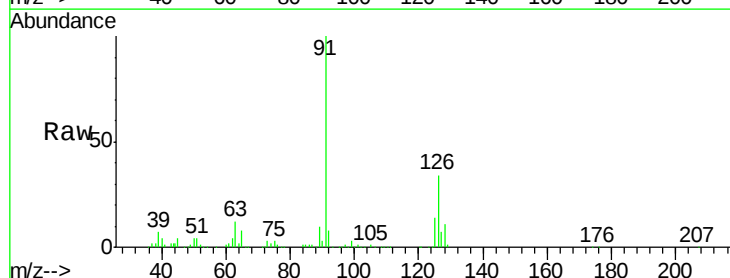
Acq: 25 Mar 2019 12:48

Tgt Ion: 91 Resp: 441257

Ion Ratio Lower Upper

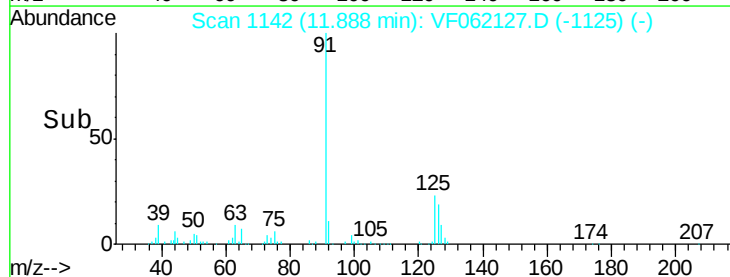
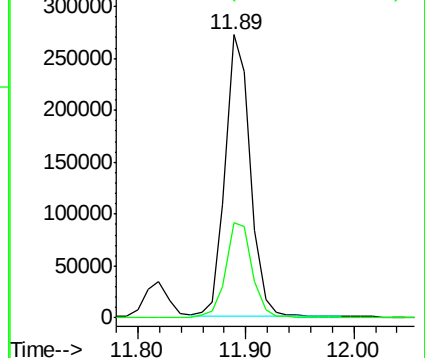
91 100

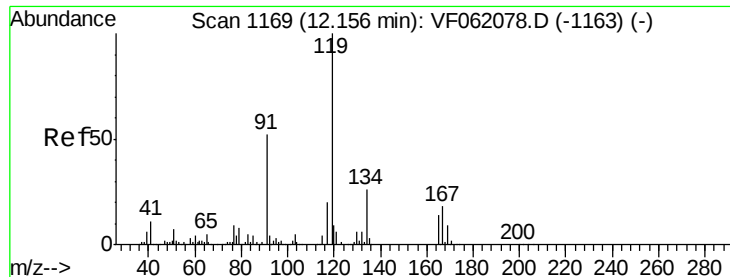
126 33.7 17.2 51.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

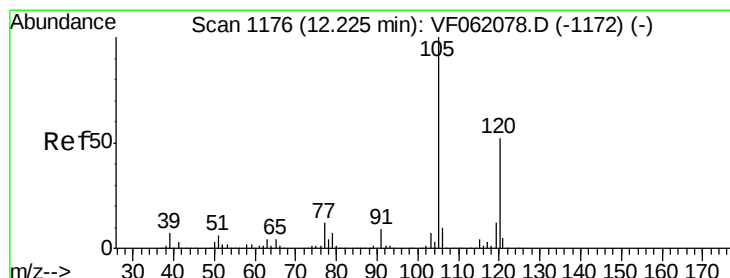
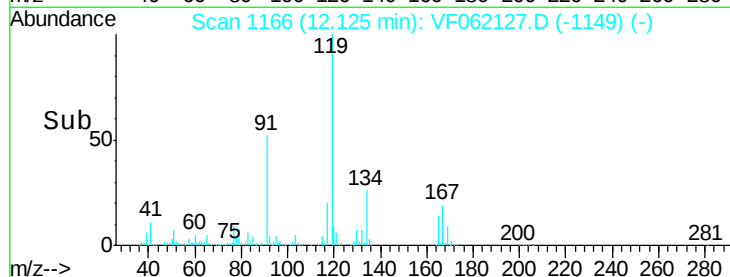
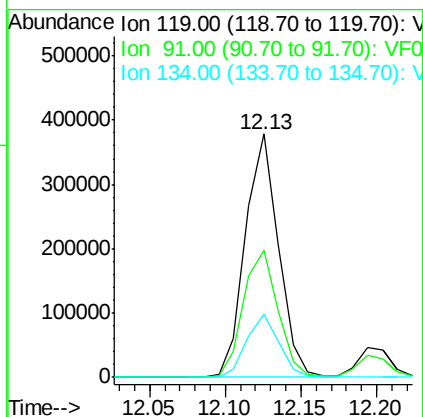
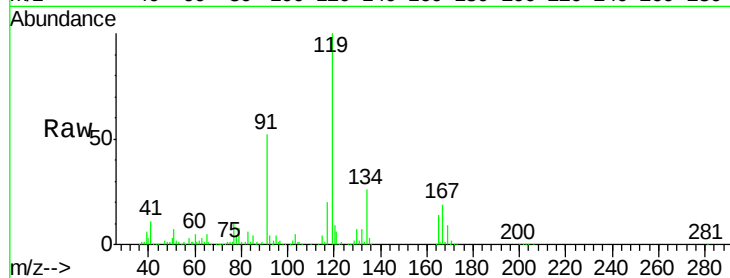




#83
 tert-Butylbenzene
 Concen: 53.881 ug/l
 RT: 12.13 min Scan# 1166
 Delta R.T. -0.03 min
 Lab File: VF062127.D
 Acq: 25 Mar 2019 12:48

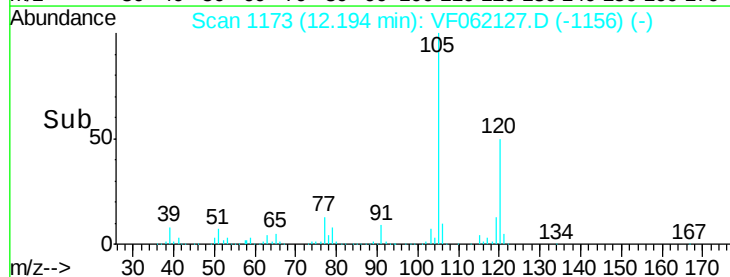
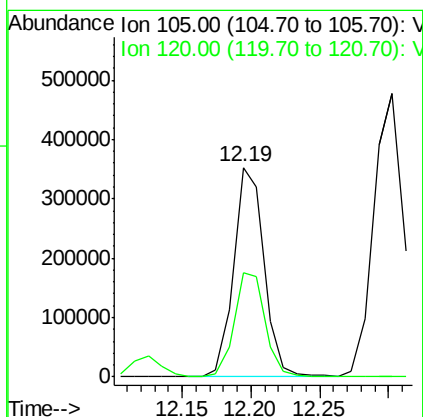
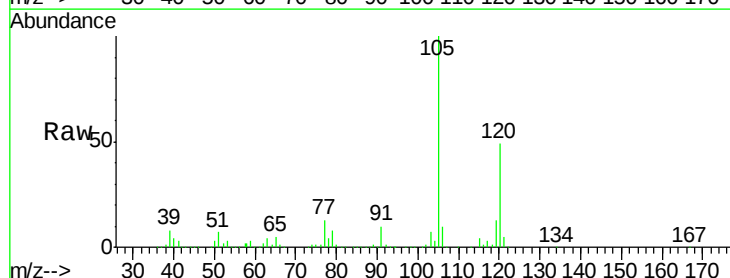
Instrument :
 MSVOA_F
 ClientSampleId :

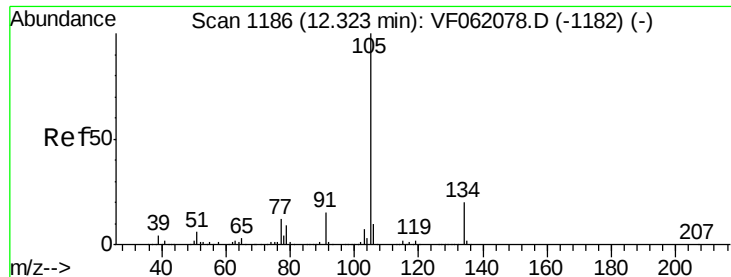
Tot Ion:119 Resp: 583292
 Ion Ratio Lower Upper
 119 100
 91 52.5 26.1 78.2
 134 25.8 12.8 38.4



#84
 1,2,4-Trimethylbenzene
 Concen: 53.397 ug/l
 RT: 12.19 min Scan# 1173
 Delta R.T. -0.03 min
 Lab File: VF062127.D
 Acq: 25 Mar 2019 12:48

Tgt Ion:105 Resp: 541328
 Ion Ratio Lower Upper
 105 100
 120 49.4 26.1 78.2

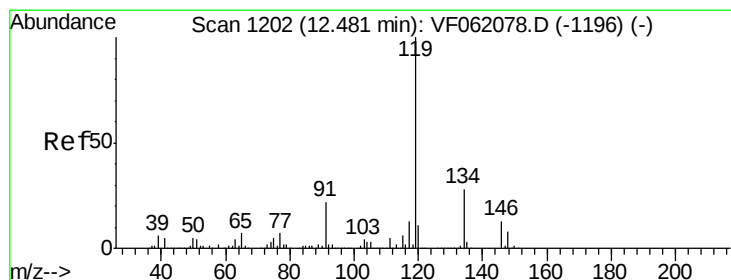
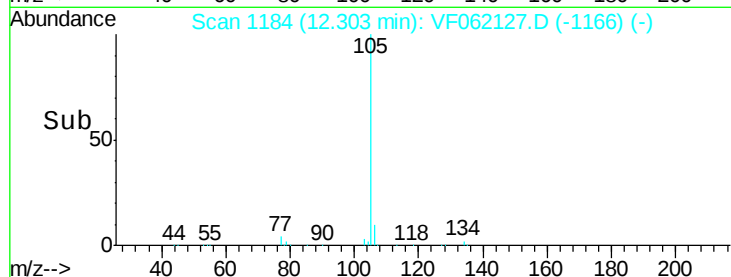
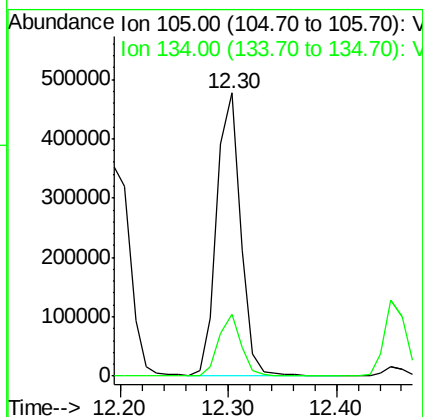
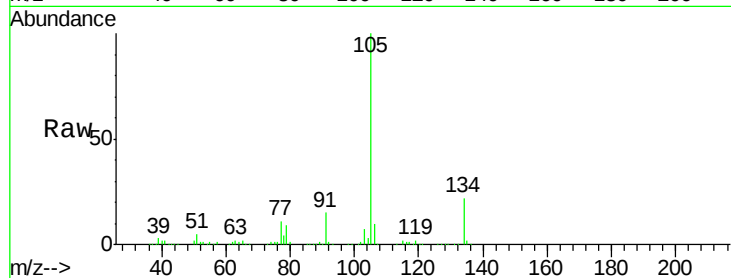




#85
 sec-Butylbenzene
 Concen: 52.283 ug/l
 RT: 12.30 min Scan# 1184
 Delta R.T. -0.02 min
 Lab File: VF062127.D
 Acq: 25 Mar 2019 12:48

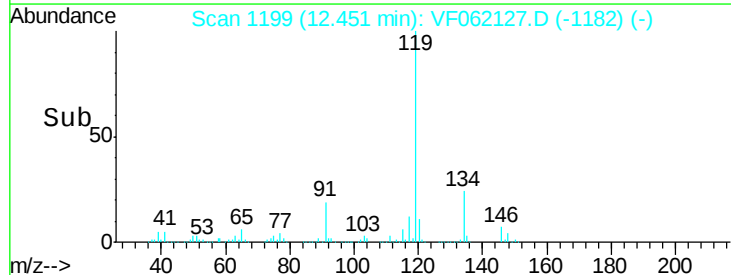
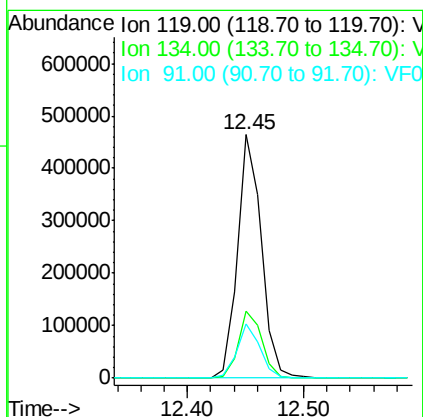
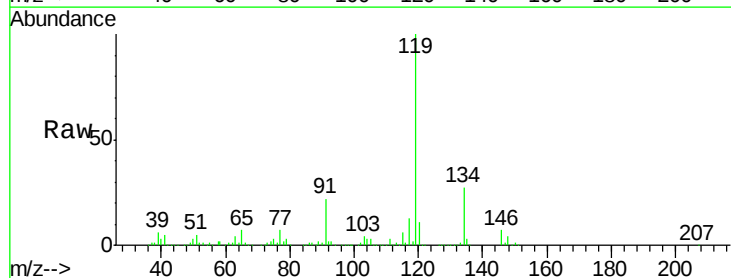
Instrument :
 MSVOA_F
 ClientSampleId :

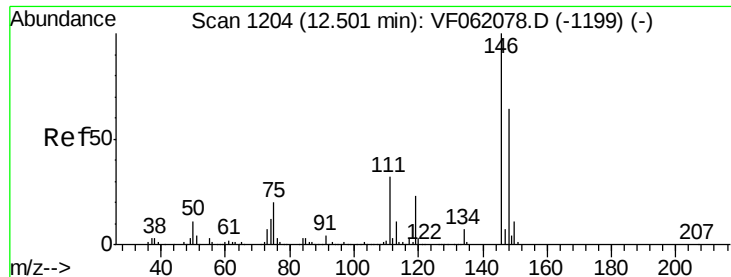
Tot Ion:105 Resp: 732205
 Ion Ratio Lower Upper
 105 100
 134 22.0 10.2 30.4



#86
 p-Isopropyltoluene
 Concen: 54.196 ug/l
 RT: 12.45 min Scan# 1199
 Delta R.T. -0.03 min
 Lab File: VF062127.D
 Acq: 25 Mar 2019 12:48

Tgt Ion:119 Resp: 657576
 Ion Ratio Lower Upper
 119 100
 134 27.5 14.0 42.0
 91 22.0 10.8 32.4

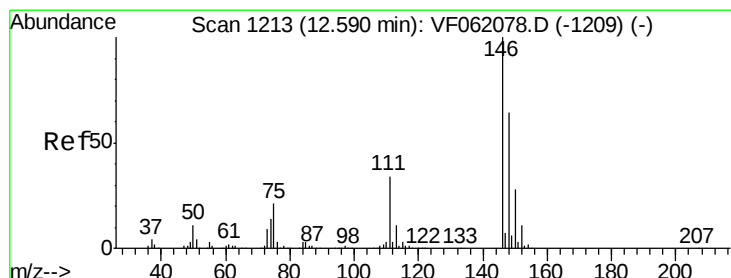
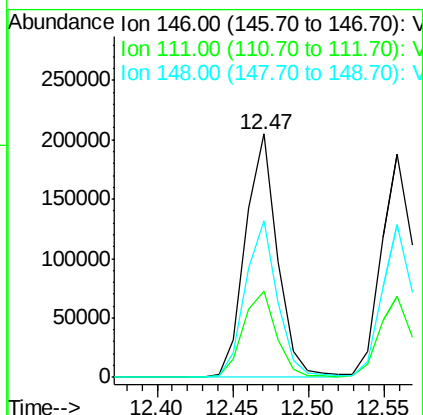
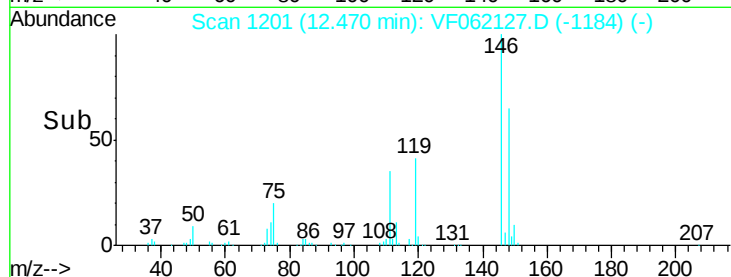
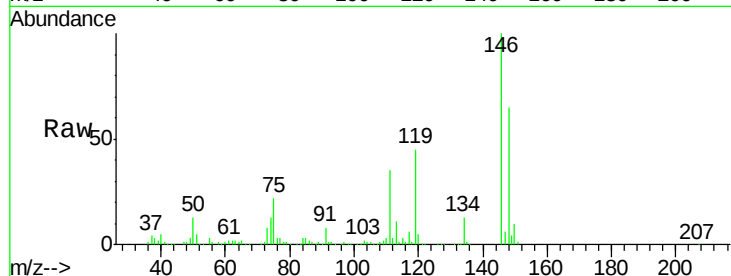




#87
 1,3-Dichlorobenzene
 Concen: 53.123 ug/l
 RT: 12.47 min Scan# 1201
 Delta R.T. -0.03 min
 Lab File: VF062127.D
 Acq: 25 Mar 2019 12:48

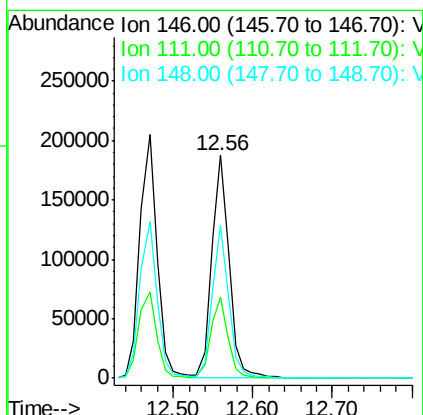
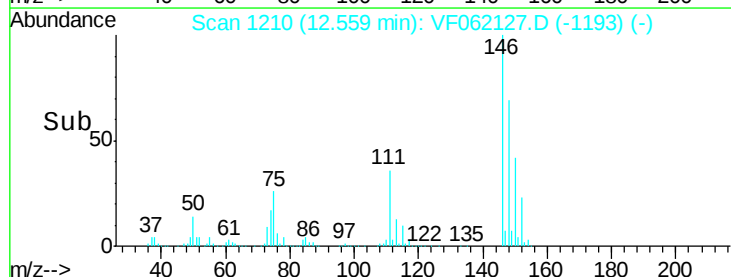
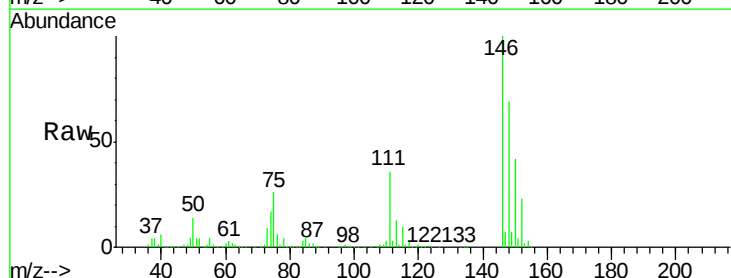
Instrument :
 MSVOA_F
 ClientSampleId :

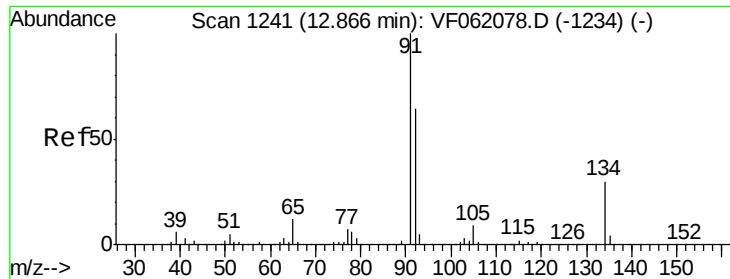
Tot Ion:146 Resp: 303163
 Ion Ratio Lower Upper
 146 100
 111 35.2 16.1 48.3
 148 64.6 31.9 95.7



#88
 1,4-Dichlorobenzene
 Concen: 51.723 ug/l
 RT: 12.56 min Scan# 1210
 Delta R.T. -0.03 min
 Lab File: VF062127.D
 Acq: 25 Mar 2019 12:48

Tgt Ion:146 Resp: 288026
 Ion Ratio Lower Upper
 146 100
 111 36.3 16.9 50.6
 148 68.9 31.9 95.7

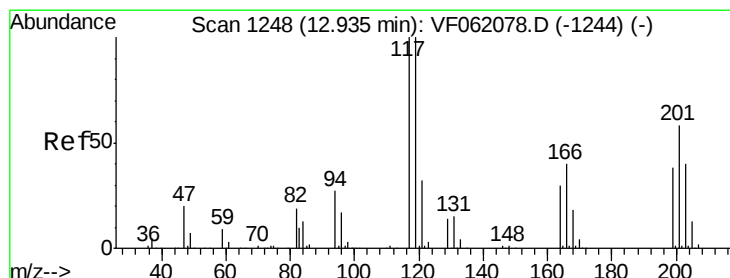
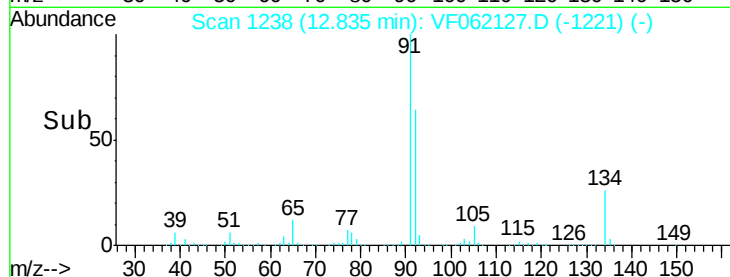
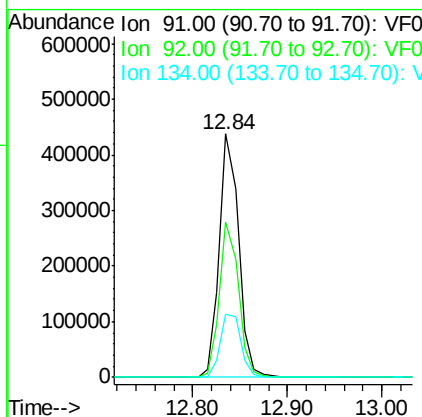
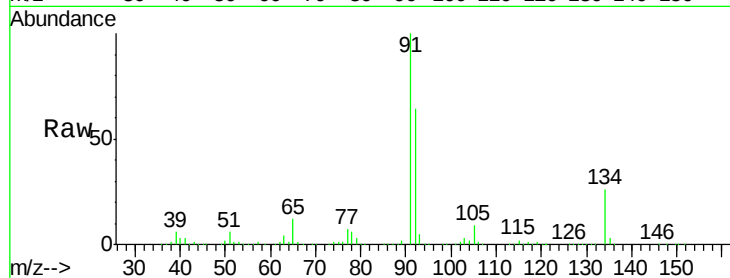




#89
n-Butylbenzene
Concen: 53.965 ug/l
RT: 12.84 min Scan# 1238
Delta R.T. -0.03 min
Lab File: VF062127.D
Acq: 25 Mar 2019 12:48

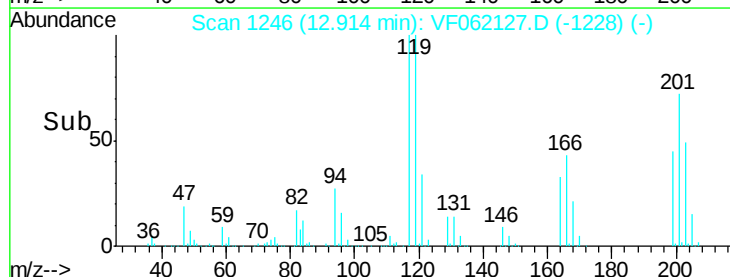
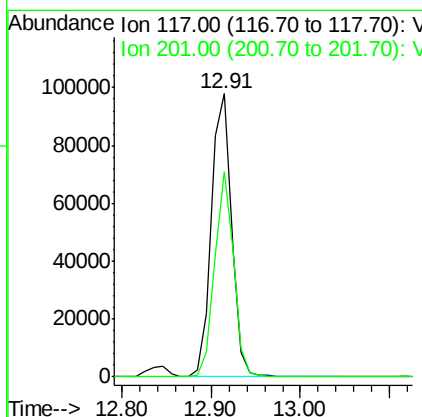
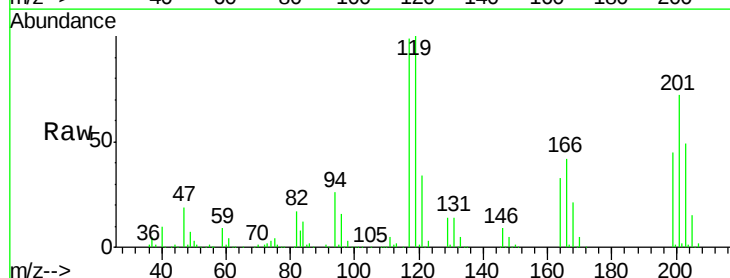
Instrument :
MSVOA_F
ClientSampled :

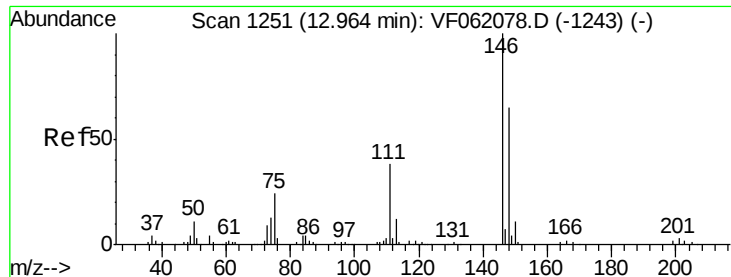
Tot Ion: 91 Resp: 624688
Ion Ratio Lower Upper
91 100
92 63.9 31.9 95.5
134 26.1 14.9 44.9



#90
Hexachloroethane
Concen: 53.437 ug/l
RT: 12.91 min Scan# 1246
Delta R.T. -0.02 min
Lab File: VF062127.D
Acq: 25 Mar 2019 12:48

Tgt Ion: 117 Resp: 154383
Ion Ratio Lower Upper
117 100
201 72.6 28.7 86.1





#91

1,2-Dichlorobenzene

Concen: 51.743 ug/l

RT: 12.93 min Scan# 1248

Delta R.T. -0.03 min

Lab File: VF062127.D

Acq: 25 Mar 2019 12:48

Instrument :

MSVOA_F

ClientSampleId :

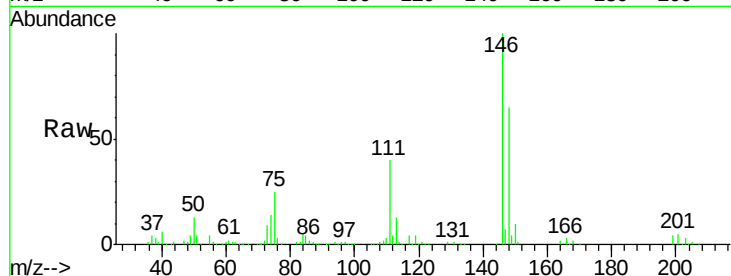
Tot Ion:146 Resp: 277269

Ion Ratio Lower Upper

146 100

111 39.6 19.1 57.3

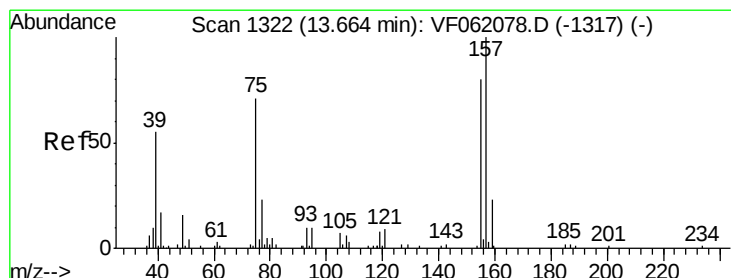
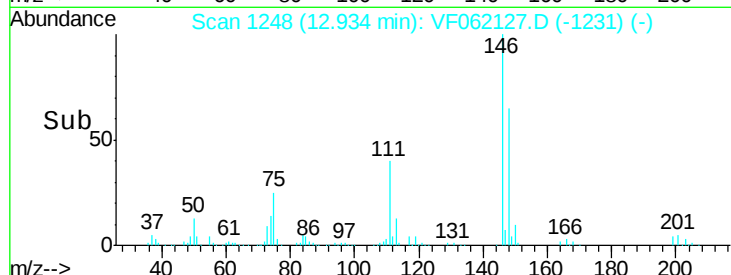
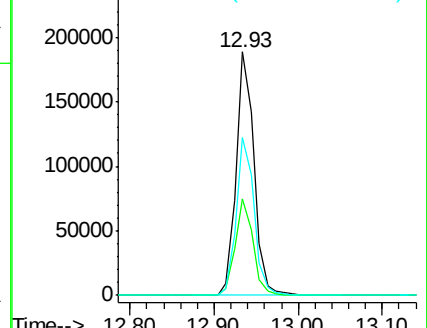
148 65.0 32.8 98.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 54.141 ug/l

RT: 13.63 min Scan# 1319

Delta R.T. -0.03 min

Lab File: VF062127.D

Acq: 25 Mar 2019 12:48

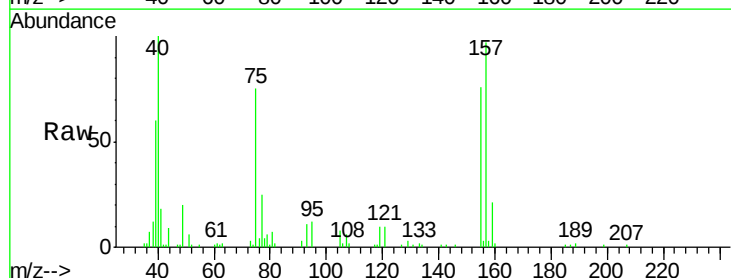
Tgt Ion: 75 Resp: 17709

Ion Ratio Lower Upper

75 100

155 101.5 56.1 168.4

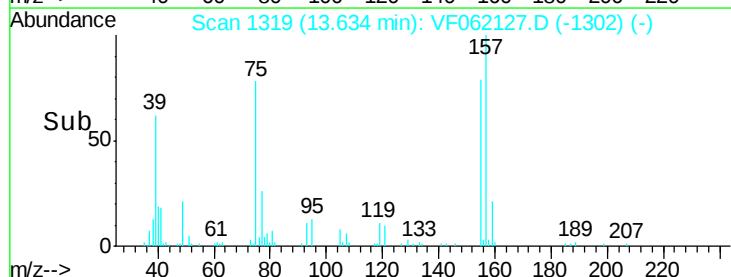
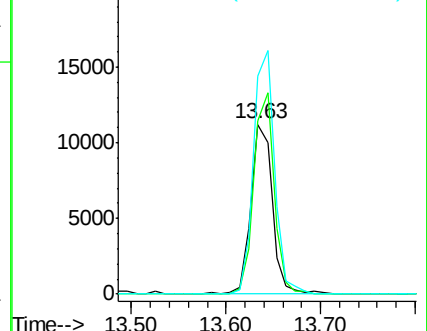
157 128.4 70.4 211.2

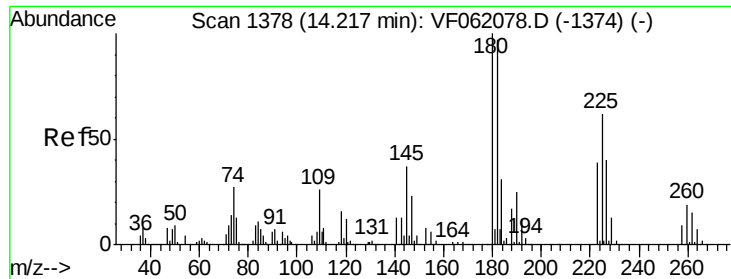


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

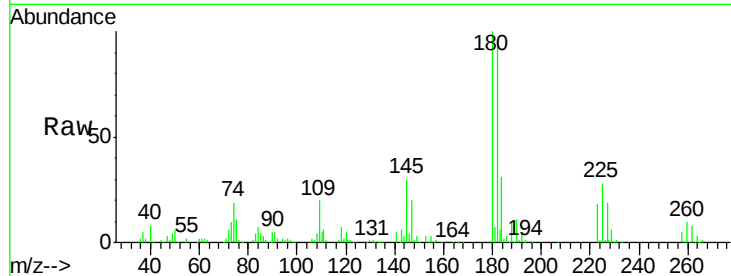




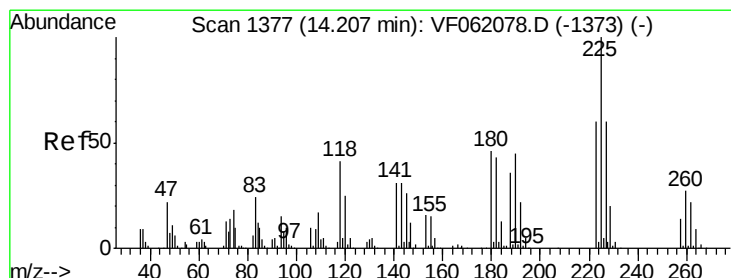
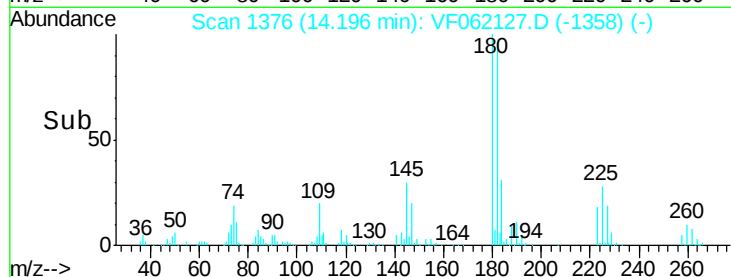
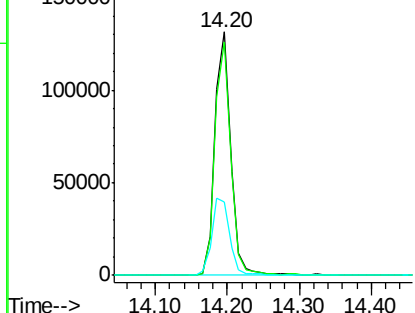
#93
 1,2,4-Trichlorobenzene
 Concen: 53.093 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. -0.02 min
 Lab File: VF062127.D
 Acq: 25 Mar 2019 12:48

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion:180 Resp: 198285
 Ion Ratio Lower Upper
 180 100
 182 95.7 48.7 146.1
 145 30.2 18.3 54.8

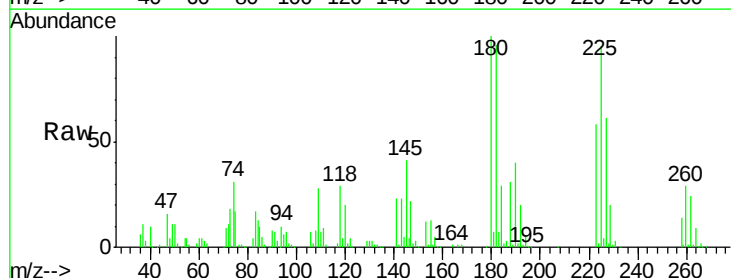


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

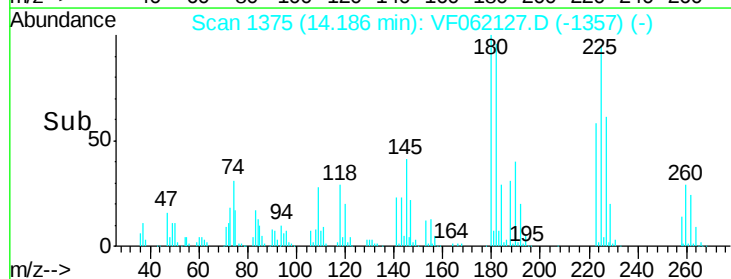
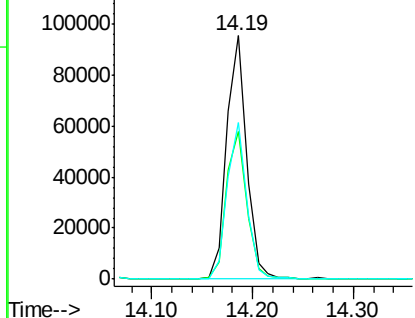


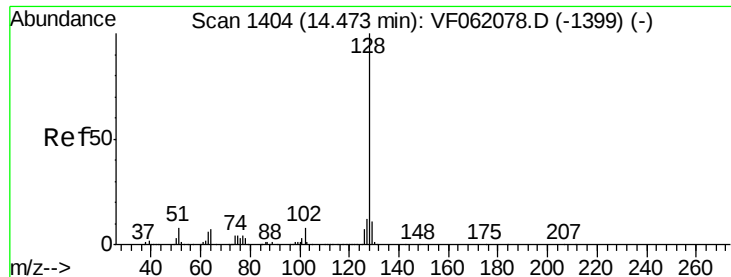
#94
 Hexachlorobutadiene
 Concen: 53.013 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.02 min
 Lab File: VF062127.D
 Acq: 25 Mar 2019 12:48

Tgt Ion:225 Resp: 131641
 Ion Ratio Lower Upper
 225 100
 223 60.8 30.0 90.0
 227 64.1 30.2 90.6



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





#95

Naphthalene

Concen: 51.637 ug/l

RT: 14.45 min Scan# 1402

Delta R.T. -0.02 min

Lab File: VF062127.D

Acq: 25 Mar 2019 12:48

Instrument :

MSVOA_F

ClientSampleId :

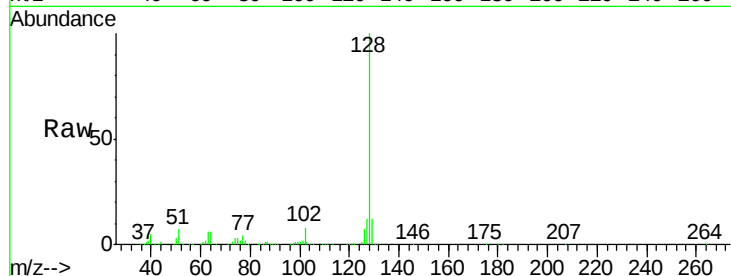
Tot Ion:128 Resp: 337951

Ion Ratio Lower Upper

128 100

127 12.1 9.5 14.3

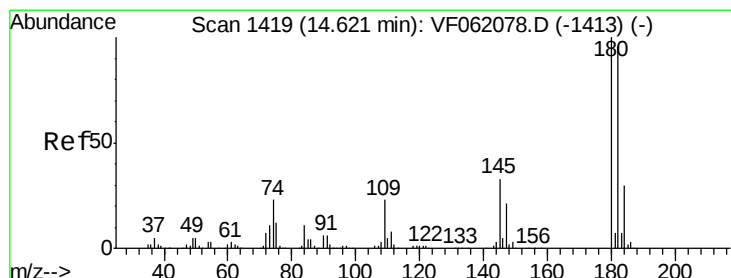
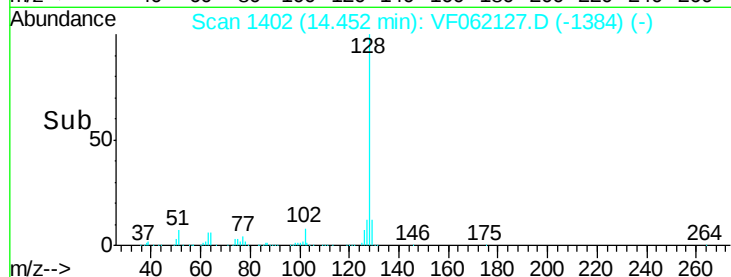
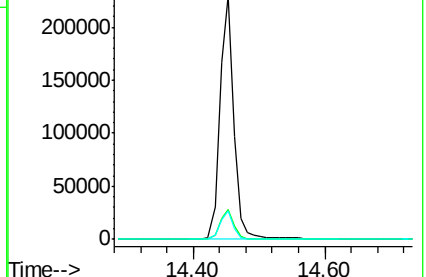
129 11.8 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 54.649 ug/l

RT: 14.60 min Scan# 1417

Delta R.T. -0.02 min

Lab File: VF062127.D

Acq: 25 Mar 2019 12:48

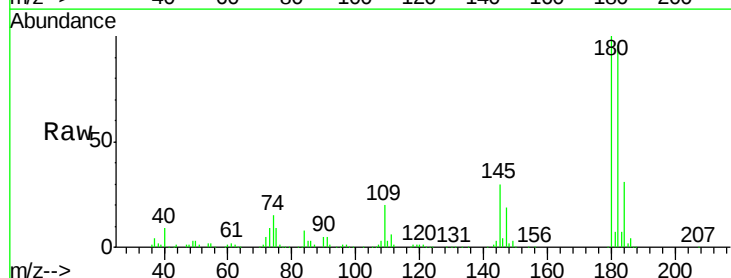
Tgt Ion:180 Resp: 191044

Ion Ratio Lower Upper

180 100

182 96.3 47.9 143.7

145 29.6 16.6 49.7



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

