

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051219\
 Data File : VF062498.D
 Acq On : 12 May 2019 12:57
 Operator : FY/SY
 Sample : VF0512SBSD01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0512SBSD01

Quant Time: May 13 04:43:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F050619S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 04:34:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.07	168	319803	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.79	114	426013	50.00	ug/l	0.02
63) Chlorobenzene-d5	9.92	117	359964	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.62	152	238636	50.00	ug/l	0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.05	65	137444	45.48	ug/l	0.03
Spiked Amount	50.000		Recovery	=	90.96%	
35) Dibromofluoromethane	4.33	113	179727	52.95	ug/l	0.02
Spiked Amount	50.000		Recovery	=	105.90%	
50) Toluene-d8	7.73	98	389910	47.46	ug/l	0.02
Spiked Amount	50.000		Recovery	=	94.92%	
62) 4-Bromofluorobenzene	11.50	95	181586	48.99	ug/l	0.01
Spiked Amount	50.000		Recovery	=	97.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.00	85	86395	23.342	ug/l	95
3) Chloromethane	1.14	50	50597	20.728	ug/l	98
4) Vinyl Chloride	1.19	62	53997	22.177	ug/l	94
5) Bromomethane	1.40	94	42954	21.973	ug/l	91
6) Chloroethane	1.45	64	28768	23.501	ug/l	95
7) Trichlorofluoromethane	1.56	101	122856	24.319	ug/l	99
8) Diethyl Ether	1.71	74	14276	18.676	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.92	101	67122	23.273	ug/l	95
10) Methyl Iodide	1.99	142	117047	24.626	ug/l #	96
11) Tert butyl alcohol	2.70	59	17503	102.470	ug/l #	91
12) 1,1-Dichloroethene	1.88	96	54090	22.060	ug/l	91
13) Acrolein	2.11	56	11325	94.097	ug/l	91
14) Allyl chloride	2.21	41	70755	32.668	ug/l	87
15) Acrylonitrile	3.09	53	37400	115.589	ug/l	96
16) Acetone	2.35	43	60663	99.223	ug/l	98
17) Carbon Disulfide	1.92	76	118154	22.100	ug/l	99
18) Methyl Acetate	2.47	43	23228	18.884	ug/l	99
19) Methyl tert-butyl Ether	2.56	73	103365	20.422	ug/l	99
20) Methylene Chloride	2.35	84	25263	11.421	ug/l	94
21) trans-1,2-Dichloroethene	2.43	96	51908	22.220	ug/l	99
22) Diisopropyl ether	2.94	45	141449	20.896	ug/l	96
23) Vinyl Acetate	3.36	43	310129	102.793	ug/l	100
24) 1,1-Dichloroethane	3.02	63	96366	23.554	ug/l	96
25) 2-Butanone	4.54	43	69844	90.931	ug/l #	83
26) 2,2-Dichloropropane	3.79	77	65329	28.594	ug/l	98
27) cis-1,2-Dichloroethene	3.66	96	65787	22.529	ug/l	96
28) Bromochloromethane	3.92	49	35565	19.168	ug/l #	99
29) Tetrahydrofuran	4.29	42	33899	96.027	ug/l	95
30) Chloroform	4.07	83	129723	23.470	ug/l	92
31) Cyclohexane	3.90	56	74357	22.770	ug/l	98
32) 1,1,1-Trichloroethane	4.32	97	119153	25.153	ug/l	97
36) 1,1-Dichloropropene	4.49	75	79646	21.764	ug/l	99
37) Ethyl Acetate	4.33	43	29999	17.641	ug/l #	97
38) Carbon Tetrachloride	4.21	117	119455	30.379	ug/l	95

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 Quant Title : SW846 8260
 QLast Update : Tue May 07 04:34:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.66	83	74566	20.316	ug/l	98
40) Benzene	4.85	78	172395	21.392	ug/l	95
41) Methacrylonitrile	4.95	41	14180	16.160	ug/l #	86
42) 1,2-Dichloroethane	5.14	62	68663	20.372	ug/l	97
43) Isopropyl Acetate	7.13	43	30684	18.434	ug/l #	99
44) Trichloroethene	5.71	130	62867	21.236	ug/l	91
45) 1,2-Dichloropropane	6.42	63	41973	22.995	ug/l	99
46) Dibromomethane	6.28	93	32863	21.715	ug/l	95
47) Bromodichloromethane	6.57	83	80521	21.281	ug/l	99
48) Methyl methacrylate	6.89	41	21272	18.083	ug/l	92
49) 1,4-Dioxane	6.89	88	4261	343.619	ug/l	90
51) 4-Methyl-2-Pentanone	8.42	43	125406	99.425	ug/l	100
52) Toluene	7.79	92	110685	22.264	ug/l	98
53) t-1,3-Dichloropropene	8.44	75	59904	20.932	ug/l	95
54) cis-1,3-Dichloropropene	7.48	75	73667	22.118	ug/l	94
55) 1,1,2-Trichloroethane	8.65	97	33400	21.163	ug/l	96
56) Ethyl methacrylate	8.77	69	28605	17.170	ug/l	94
57) 1,3-Dichloropropane	9.01	76	49919	20.940	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.46	63	46188	92.218	ug/l	100
59) 2-Hexanone	9.64	43	87076	99.820	ug/l	97
60) Dibromochloromethane	8.88	129	53661	20.789	ug/l	96
61) 1,2-Dibromoethane	9.15	107	38934	20.990	ug/l	97
64) Tetrachloroethene	8.33	164	63130	21.603	ug/l	96
65) Chlorobenzene	9.94	112	133263	22.375	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.07	131	66058	21.986	ug/l	99
67) Ethyl Benzene	10.04	91	240856	23.094	ug/l	100
68) m/p-Xylenes	10.27	106	179188	46.567	ug/l	100
69) o-Xylene	10.83	106	94311	22.682	ug/l	96
70) Styrene	10.90	104	138223	22.181	ug/l	99
71) Bromoform	10.89	173	32328	19.640	ug/l #	99
73) Isopropylbenzene	11.23	105	306471	21.663	ug/l	100
74) N-amyl acetate	11.46	43	60502	19.920	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.78	83	42421	19.151	ug/l	99
76) 1,2,3-Trichloropropane	11.88	75	33013	19.534	ug/l #	100
77) Bromobenzene	11.59	156	73466	19.787	ug/l	98
78) n-propylbenzene	11.68	91	321945	21.375	ug/l	100
79) 2-Chlorotoluene	11.81	91	197280	21.064	ug/l	100
80) 1,3,5-Trimethylbenzene	11.91	105	273692	22.072	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.95	75	17354	27.319	ug/l #	66
82) 4-Chlorotoluene	11.98	91	194180	20.992	ug/l	100
83) tert-Butylbenzene	12.20	119	275848	21.167	ug/l	98
84) 1,2,4-Trimethylbenzene	12.28	105	257005	21.179	ug/l	98
85) sec-Butylbenzene	12.38	105	337745	21.293	ug/l	99
86) p-Isopropyltoluene	12.53	119	326183	22.133	ug/l	99
87) 1,3-Dichlorobenzene	12.55	146	143464	21.157	ug/l	99
88) 1,4-Dichlorobenzene	12.63	146	140365	21.447	ug/l	98
89) n-Butylbenzene	12.90	91	295062	22.504	ug/l	97
90) Hexachloroethane	12.98	117	73357	19.936	ug/l	98
91) 1,2-Dichlorobenzene	13.01	146	138508	21.103	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.70	75	8686	17.503	ug/l	98

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ClientSampleId :
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Quant Title : SW846 8260
QLast Update : Tue May 07 04:34:57 2019
Response via : Initial Calibration

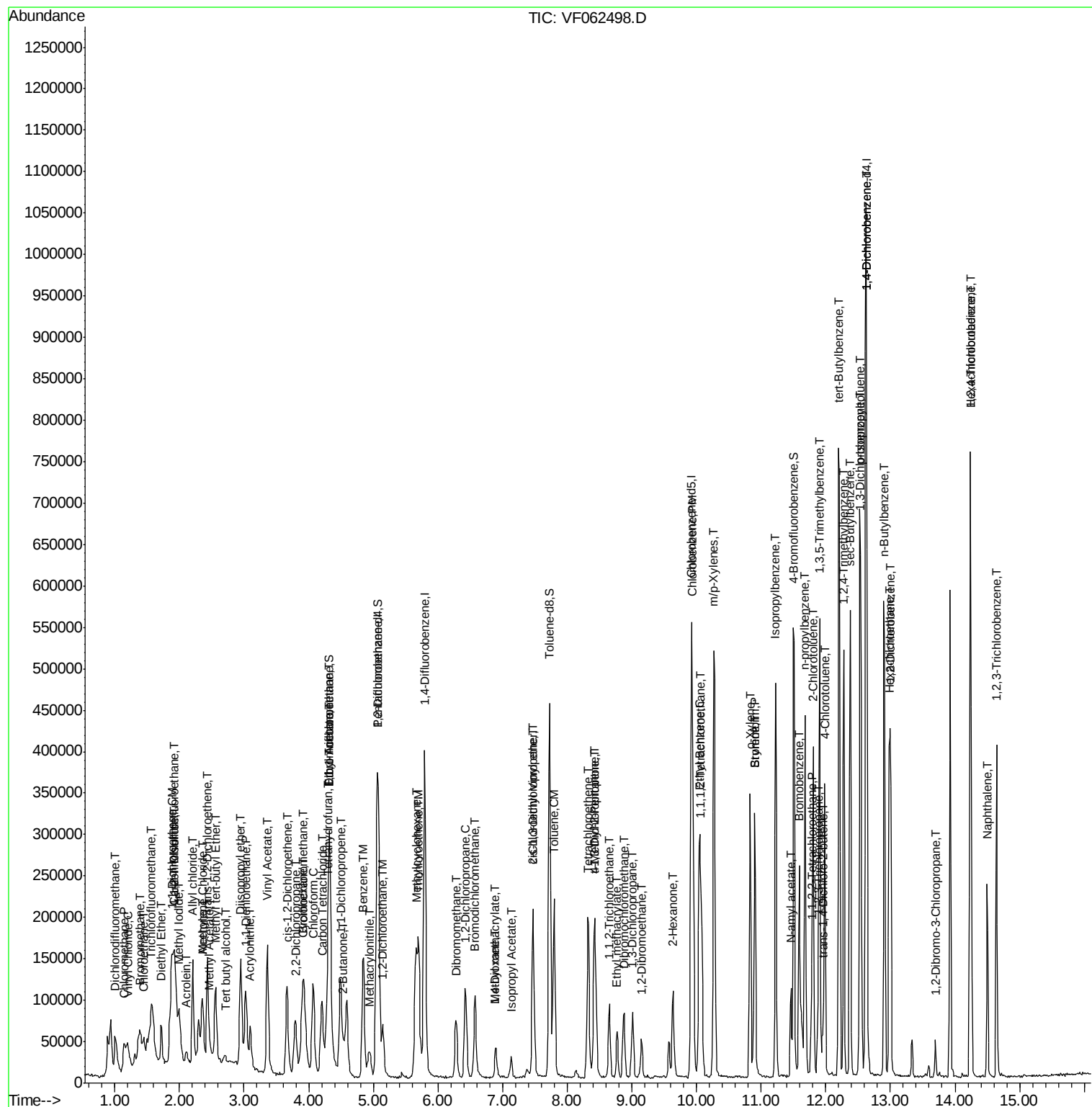
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	124262	21.107	ug/l	98
94) Hexachlorobutadiene	14.23	225	97591	22.241	ug/l	96
95) Naphthalene	14.50	128	164890	18.630	ug/l	99
96) 1,2,3-Trichlorobenzene	14.65	180	115817	20.307	ug/l	97

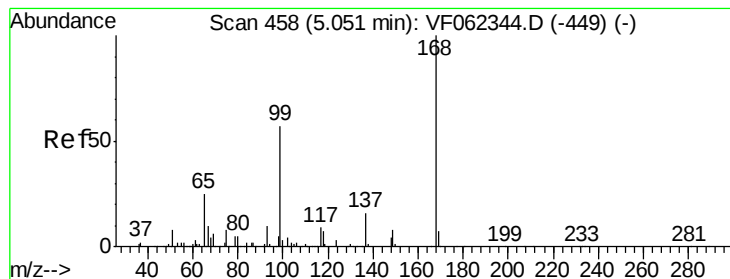
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF051219\
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 Sample : VF0512SBSD01
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.07 min Scan# 461

Delta R.T. 0.02 min

Lab File: VF062498.D

Acq: 12 May 2019 12:57

Instrument :

MSVOA_F

ClientSampleId :

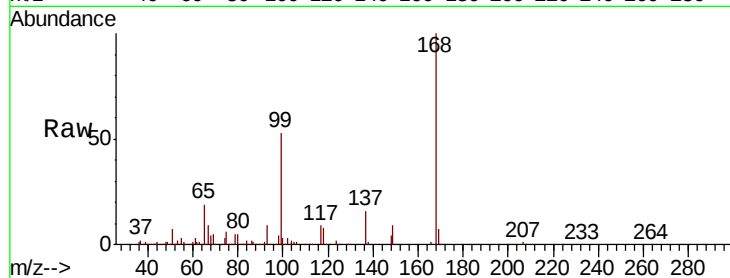
VF0512SBS01

Tot Ion:168 Resp: 319803

Ion Ratio Lower Upper

168 100

99 52.8 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): VF0

Ion 98.90 (98.60 to 99.60): VF0

5.07

120000

100000

80000

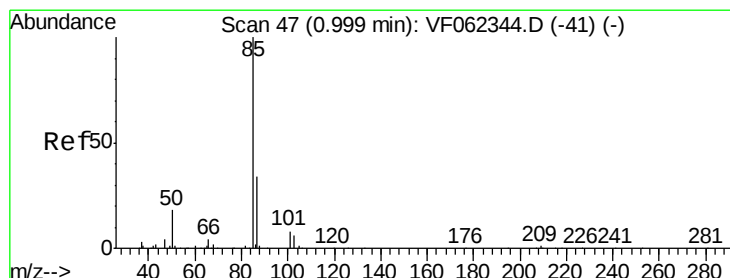
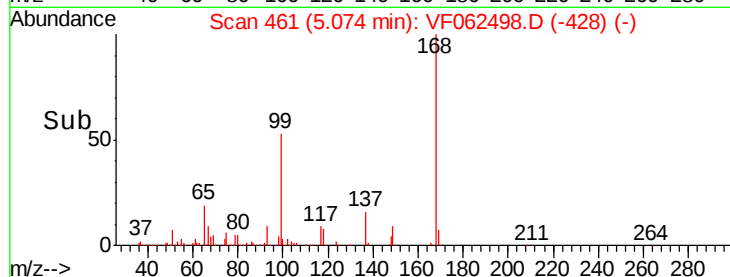
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 23.342 ug/l

RT: 1.00 min Scan# 48

Delta R.T. 0.00 min

Lab File: VF062498.D

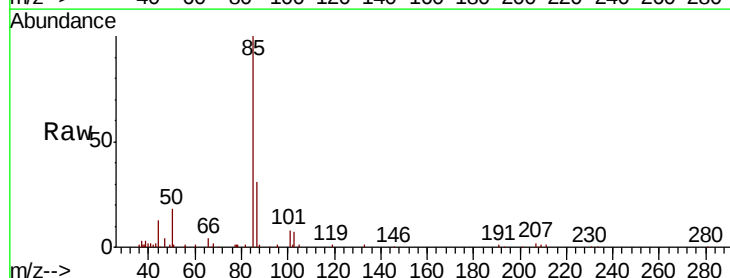
Acq: 12 May 2019 12:57

Tgt Ion: 85 Resp: 86395

Ion Ratio Lower Upper

85 100

87 30.6 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VF0

Ion 86.90 (86.60 to 87.60): VF0

30000

25000

20000

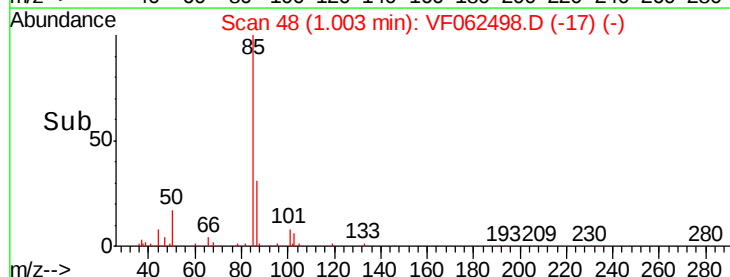
15000

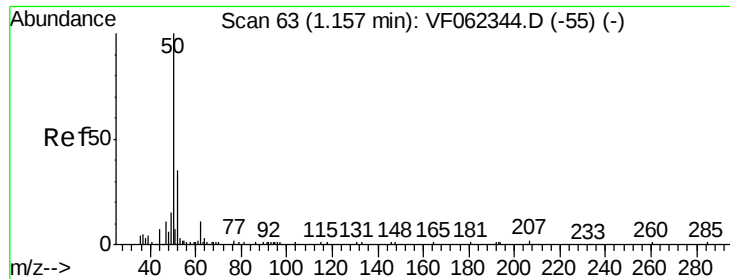
10000

5000

0

Time-->





#3

Chloromethane

Concen: 20.728 ug/l

RT: 1.14 min Scan# 62

Delta R.T. -0.02 min

Lab File: VF062498.D

Acq: 12 May 2019 12:57

Instrument :

MSVOA_F

ClientSampleId :

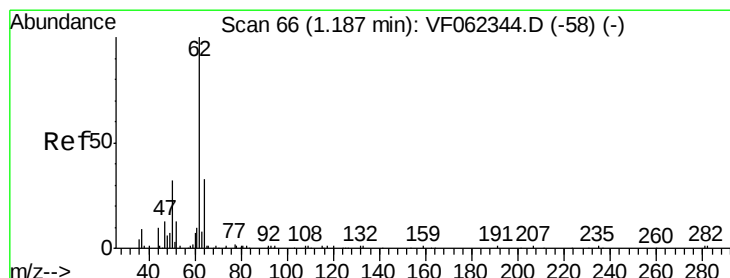
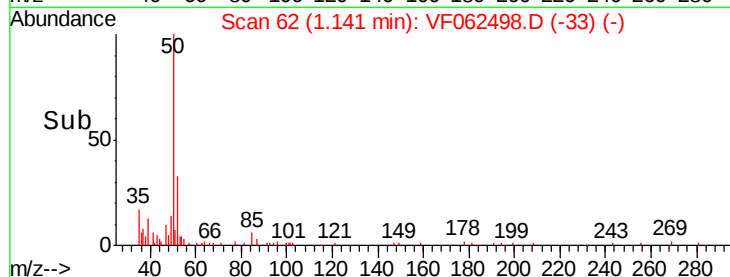
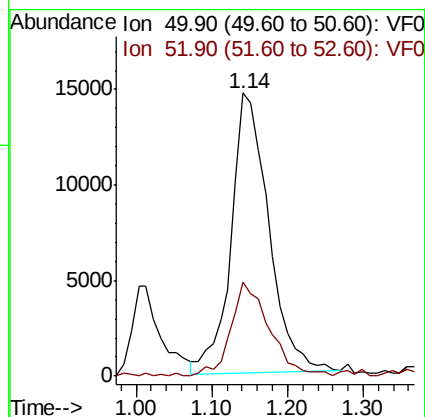
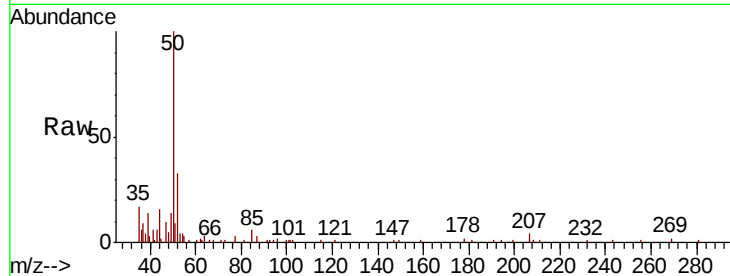
VF0512SBSD01

Tot Ion: 50 Resp: 50597

Ion Ratio Lower Upper

50 100

52 33.7 26.1 39.1



#4

Vinyl Chloride

Concen: 22.177 ug/l

RT: 1.19 min Scan# 67

Delta R.T. 0.00 min

Lab File: VF062498.D

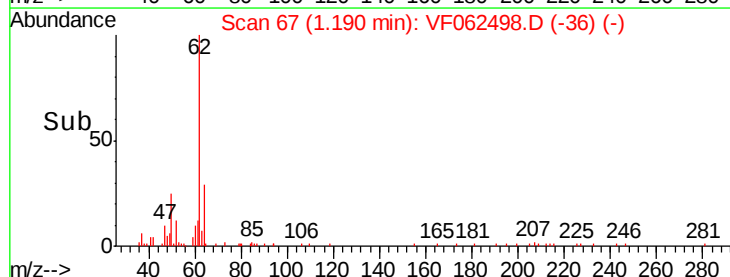
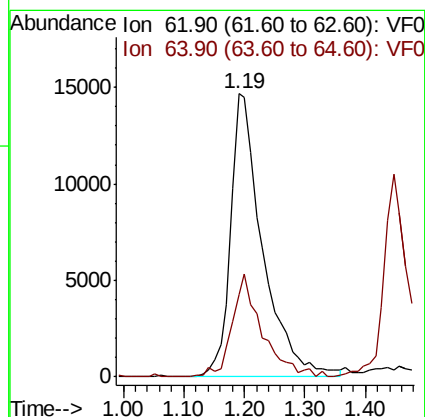
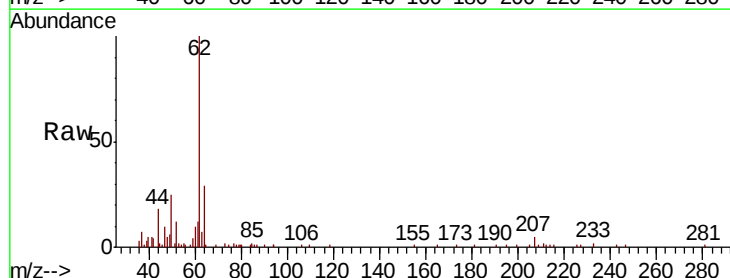
Acq: 12 May 2019 12:57

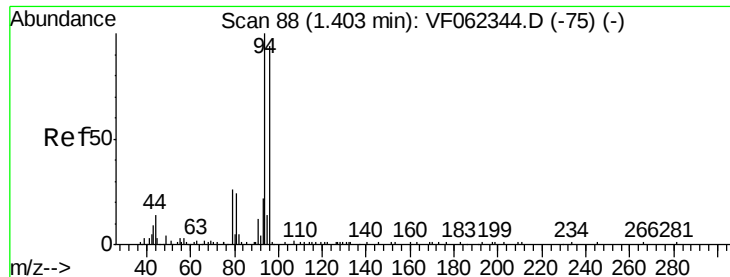
Tgt Ion: 62 Resp: 53997

Ion Ratio Lower Upper

62 100

64 29.2 26.1 39.1





#5

Bromomethane

Concen: 21.973 ug/l

RT: 1.40 min Scan# 88

Delta R.T. -0.01 min

Lab File: VF062498.D

Acq: 12 May 2019 12:57

Instrument :

MSVOA_F

ClientSampleId :

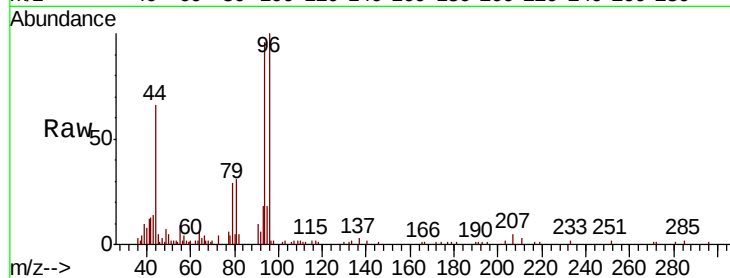
VF0512SBSD01

Tot Ion: 94 Resp: 42954

Ion Ratio Lower Upper

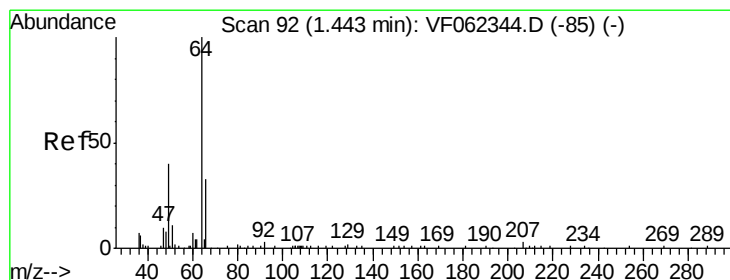
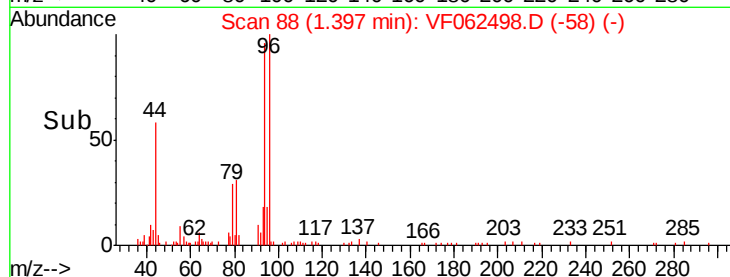
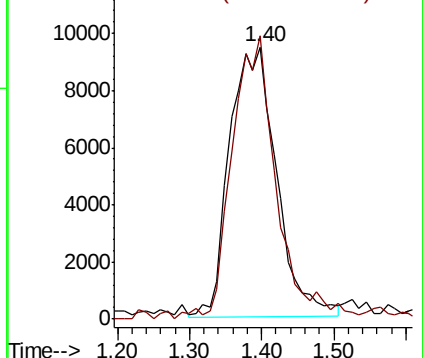
94 100

96 103.4 75.4 113.2



Abundance Ion 93.90 (93.60 to 94.60): VF0

Ion 95.90 (95.60 to 96.60): VF0



#6

Chloroethane

Concen: 23.501 ug/l

RT: 1.45 min Scan# 93

Delta R.T. 0.00 min

Lab File: VF062498.D

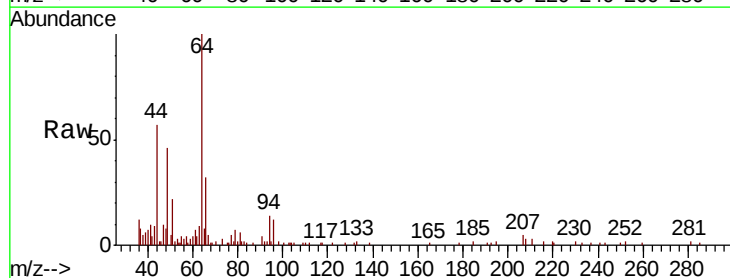
Acq: 12 May 2019 12:57

Tgt Ion: 64 Resp: 28768

Ion Ratio Lower Upper

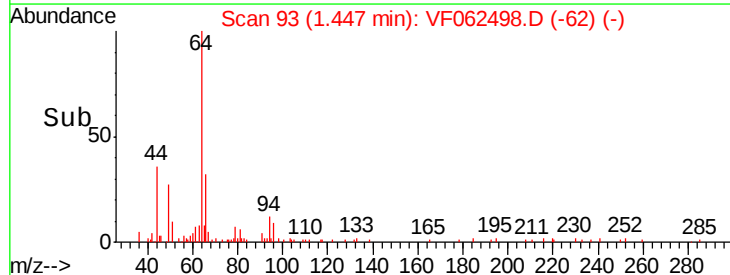
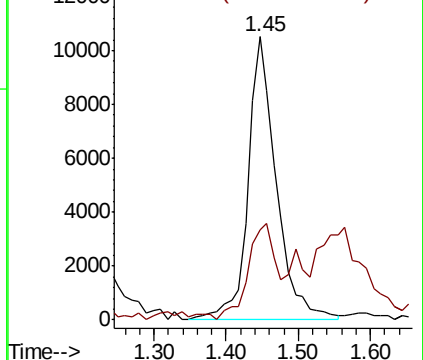
64 100

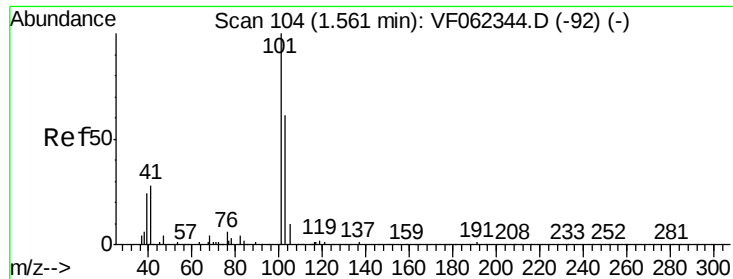
66 30.5 26.6 39.8



Abundance Ion 63.90 (63.60 to 64.60): VF0

Ion 65.90 (65.60 to 66.60): VF0



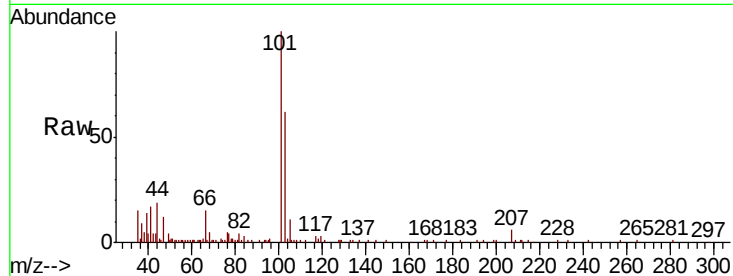


#7

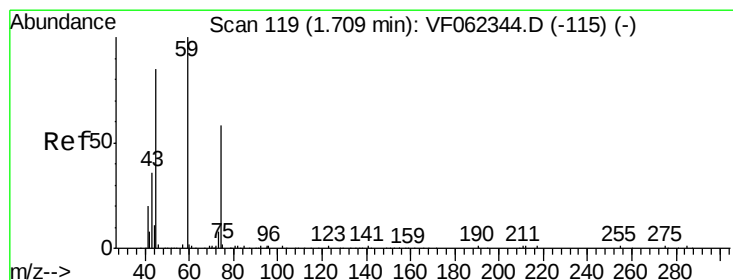
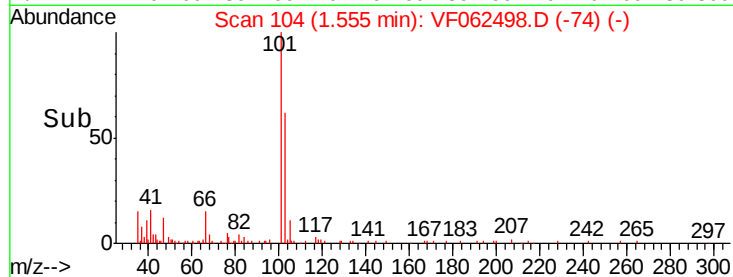
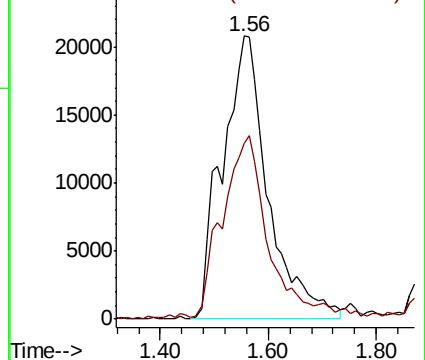
Trichlorofluoromethane
Concen: 24.319 ug/l
RT: 1.56 min Scan# 104
Delta R.T. -0.01 min
Lab File: VF062498.D
Acq: 12 May 2019 12:57

Instrument :
MSVOA_F
ClientSampleId :
VF0512SBSD01

Tot Ion:101 Resp: 122856
Ion Ratio Lower Upper
101 100
103 61.4 48.5 72.7



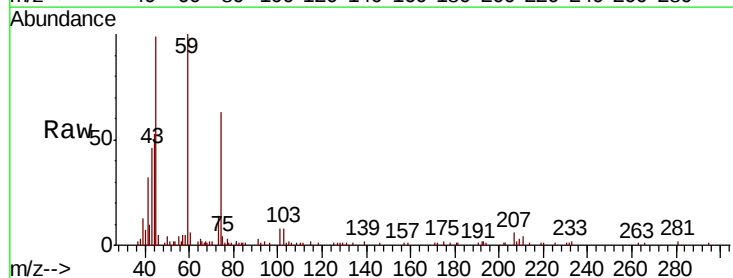
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



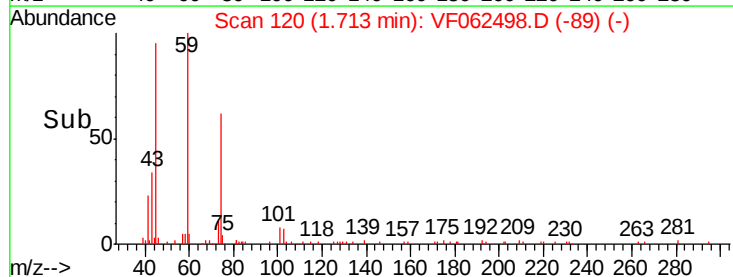
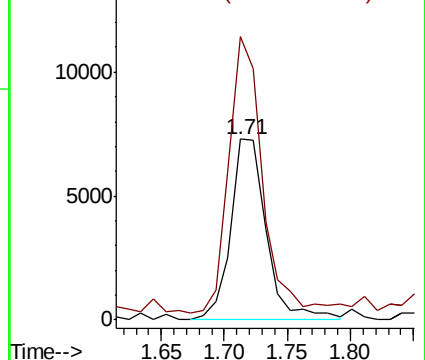
#8

Diethyl Ether
Concen: 18.676 ug/l
RT: 1.71 min Scan# 120
Delta R.T. 0.00 min
Lab File: VF062498.D
Acq: 12 May 2019 12:57

Tgt Ion: 74 Resp: 14276
Ion Ratio Lower Upper
74 100
45 143.5 73.9 221.6



Abundance Ion 74.00 (73.70 to 74.70): VF0
Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.273 ug/l

RT: 1.92 min Scan# 141

Delta R.T. 0.00 min

Lab File: VF062498.D

Acq: 12 May 2019 12:57

Instrument :

MSVOA_F

ClientSampleId :

VF0512SBSD01

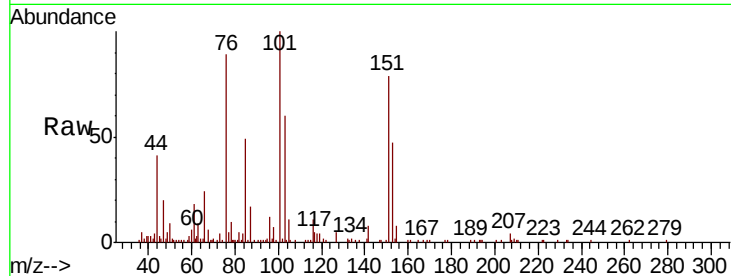
Tot Ion:101 Resp: 67122

Ion Ratio Lower Upper

101 100

85 51.9 39.5 59.3

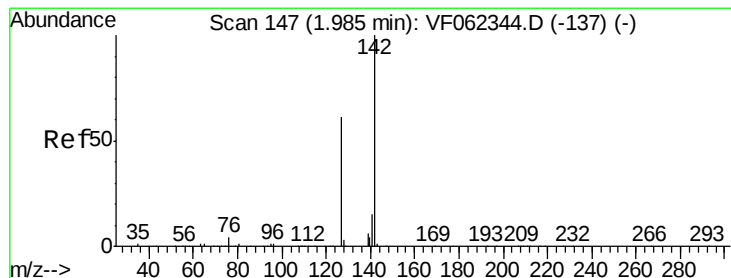
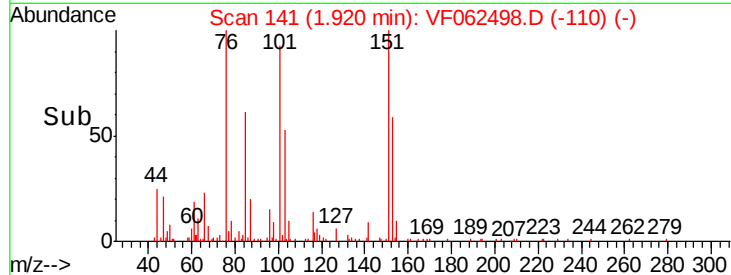
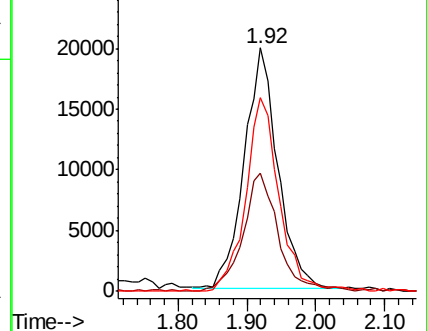
151 80.6 59.9 89.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VF0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 24.626 ug/l

RT: 1.99 min Scan# 148

Delta R.T. 0.00 min

Lab File: VF062498.D

Acq: 12 May 2019 12:57

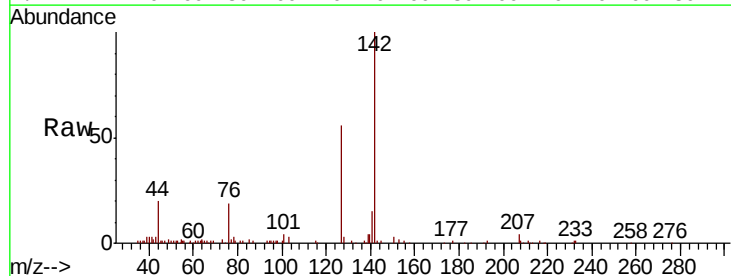
Tgt Ion:142 Resp: 117047

Ion Ratio Lower Upper

142 100

127 58.6 48.4 72.6

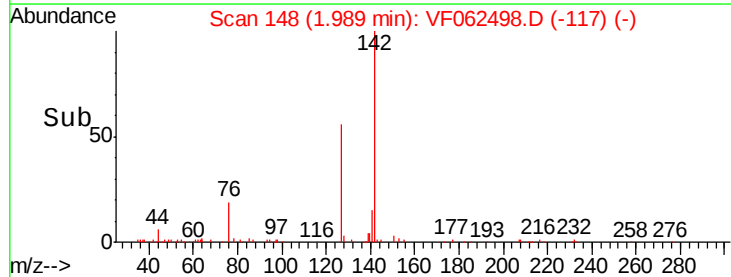
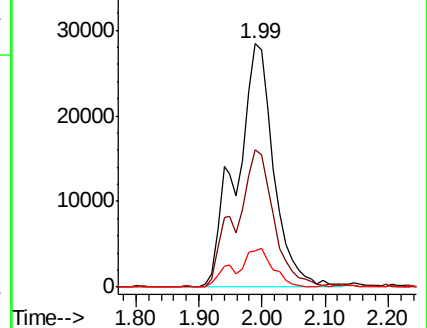
141 11.8 12.2 18.4#

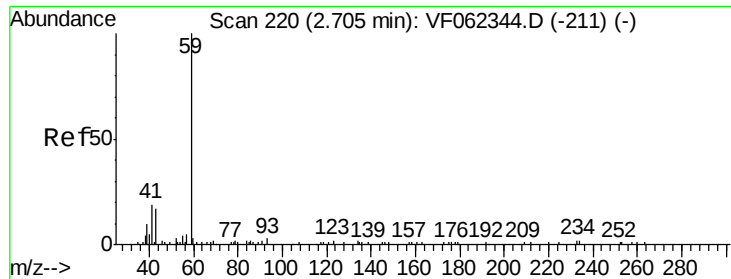


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

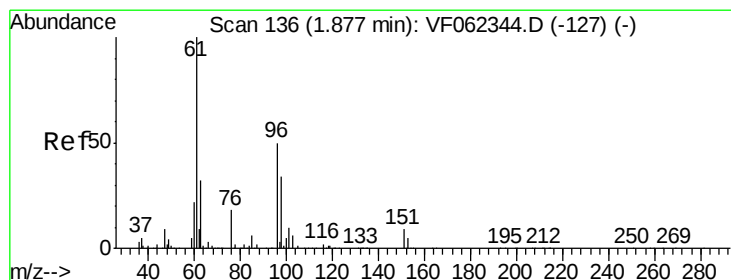
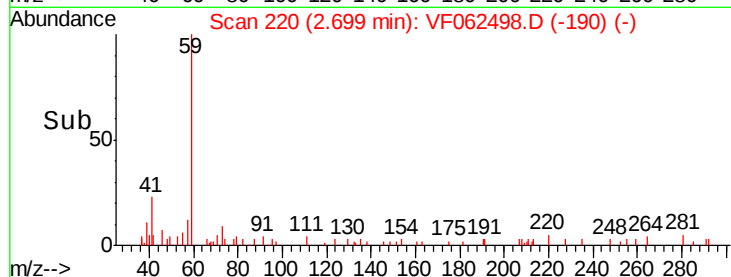
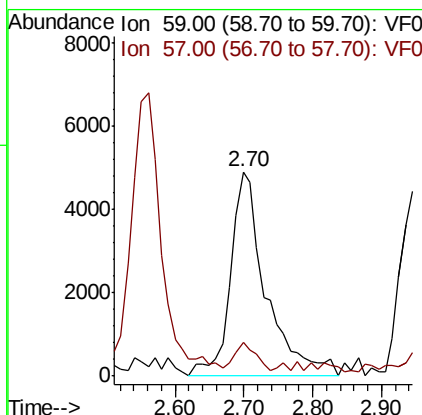
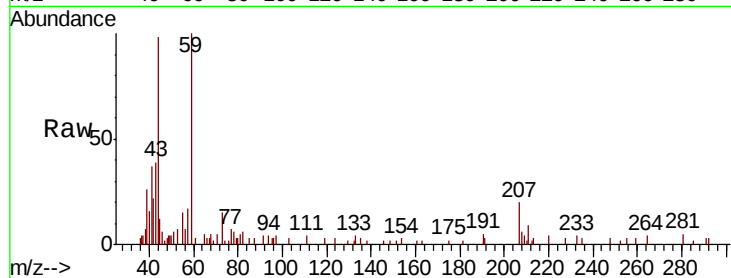




#11
Tert butyl alcohol
Concen: 102.470 ug/l
RT: 2.70 min Scan# 220
Delta R.T. -0.01 min
Lab File: VF062498.D
Acq: 12 May 2019 12:57

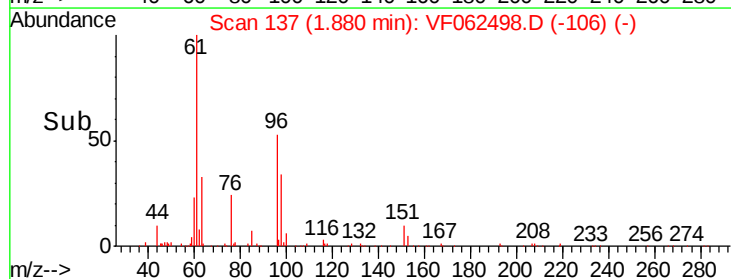
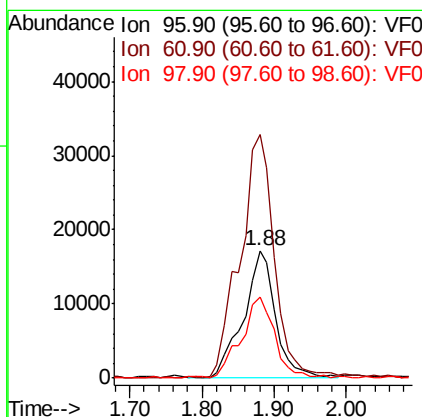
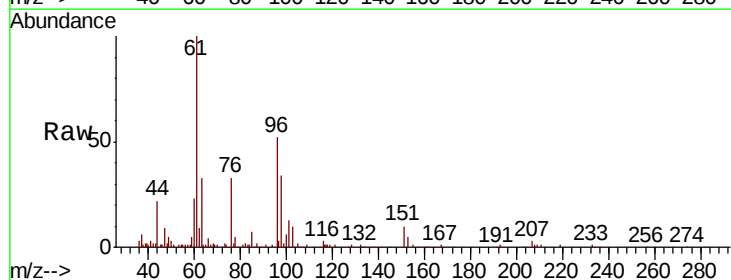
Instrument :
MSVOA_F
ClientSampleId :
VF0512SBSD01

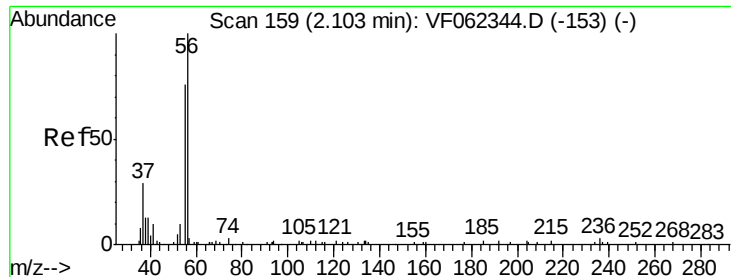
Tot Ion: 59 Resp: 17503
Ion Ratio Lower Upper
59 100
57 8.1 9.3 13.9#



#12
1,1-Dichloroethene
Concen: 22.060 ug/l
RT: 1.88 min Scan# 137
Delta R.T. 0.00 min
Lab File: VF062498.D
Acq: 12 May 2019 12:57

Tgt Ion: 96 Resp: 54090
Ion Ratio Lower Upper
96 100
61 189.9 163.2 244.8
98 63.1 55.2 82.8

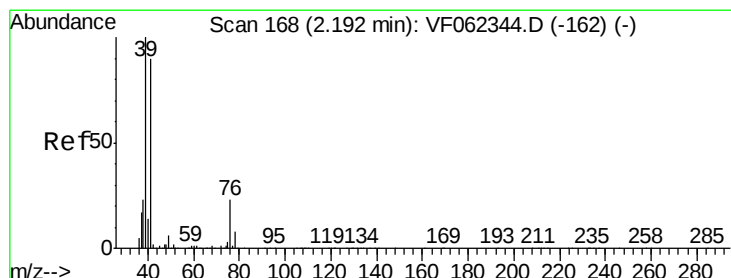
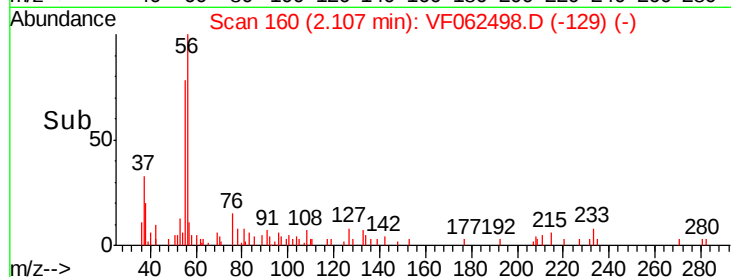
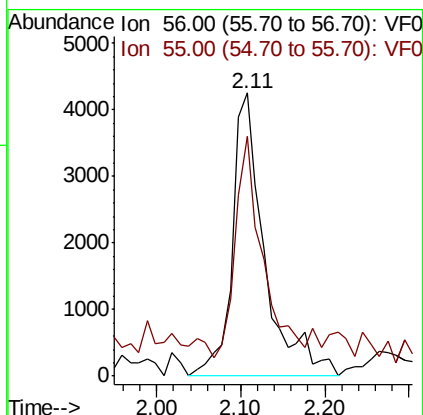
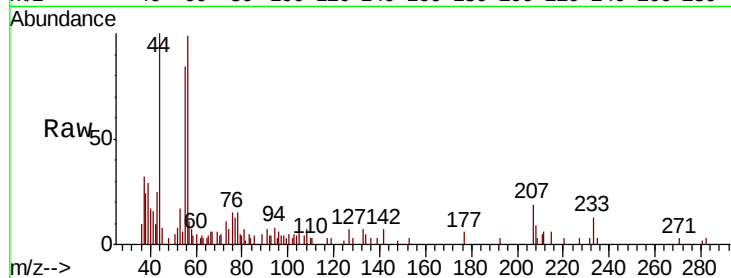




#13
Acrolein
Concen: 94.097 ug/l
RT: 2.11 min Scan# 160
Delta R.T. 0.00 min
Lab File: VF062498.D
Acq: 12 May 2019 12:57

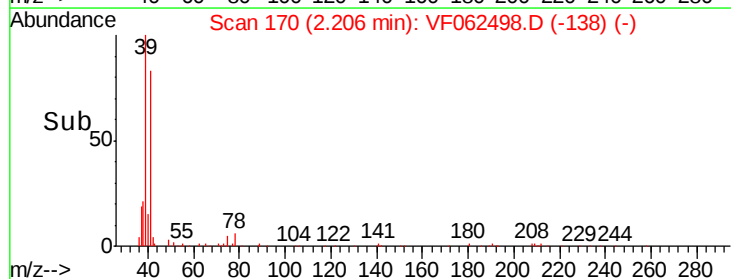
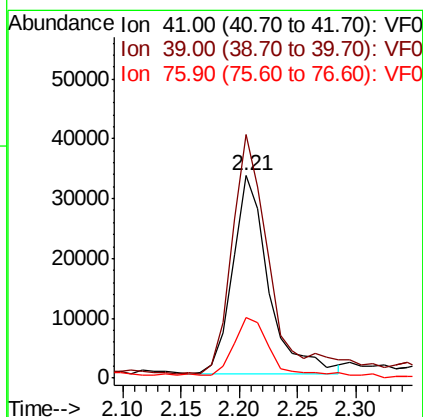
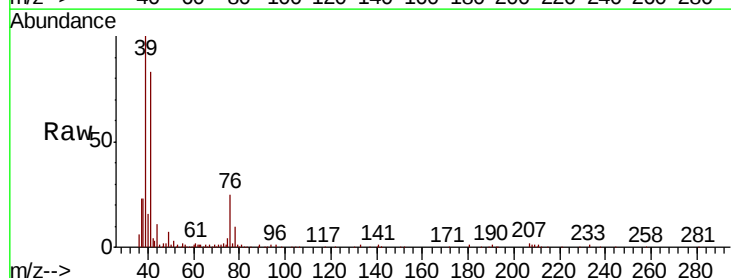
Instrument :
MSVOA_F
ClientSampleId :
VF0512SBSD01

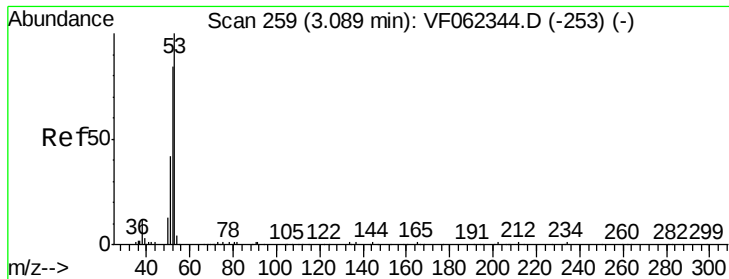
Tot Ion: 56 Resp: 11325
Ion Ratio Lower Upper
56 100
55 65.8 58.4 87.6



#14
Allyl chloride
Concen: 32.668 ug/l
RT: 2.21 min Scan# 170
Delta R.T. 0.01 min
Lab File: VF062498.D
Acq: 12 May 2019 12:57

Tgt Ion: 41 Resp: 70755
Ion Ratio Lower Upper
41 100
39 129.2 90.8 136.2
76 30.8 22.2 33.4





#15

Acrylonitrile

Concen: 115.589 ug/l

RT: 3.09 min Scan# 260

Delta R.T. 0.00 min

Lab File: VF062498.D

Acq: 12 May 2019 12:57

Instrument :

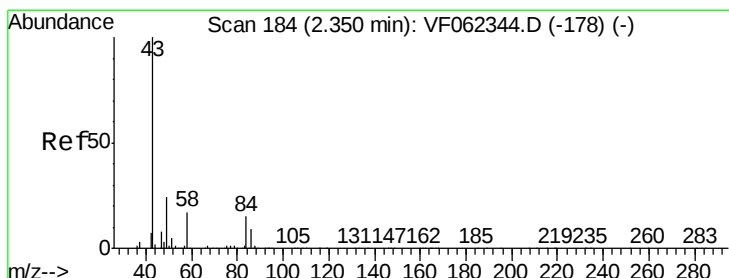
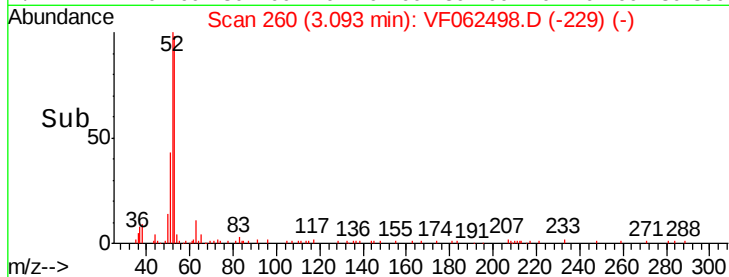
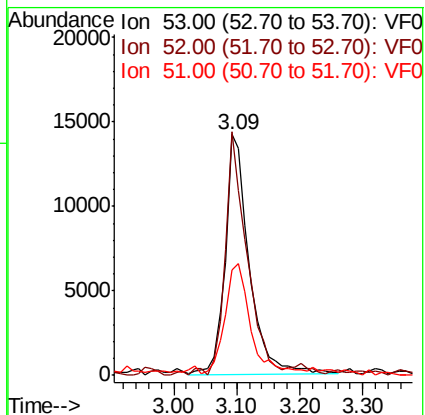
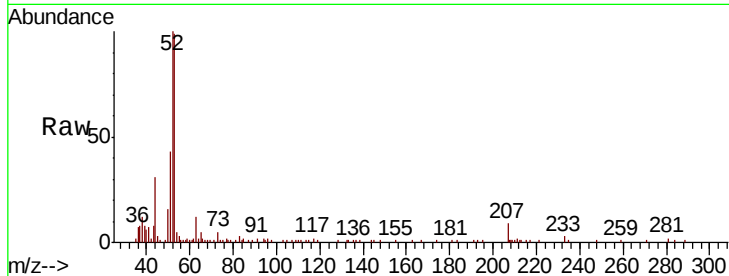
MSVOA_F

ClientSampleId :

VF0512SBSD01

Tot Ion: 53 Resp: 37400

Ion	Ratio	Lower	Upper
53	100		
52	92.3	77.2	115.8
51	47.7	40.6	61.0



#16

Acetone

Concen: 99.223 ug/l

RT: 2.35 min Scan# 185

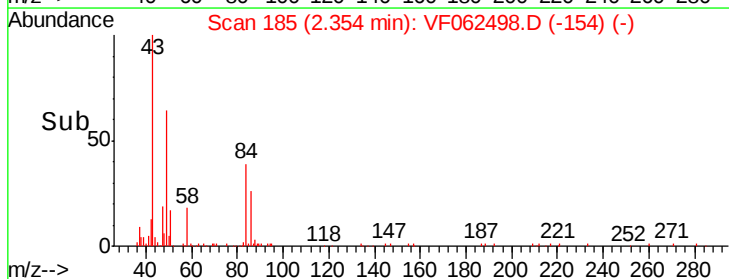
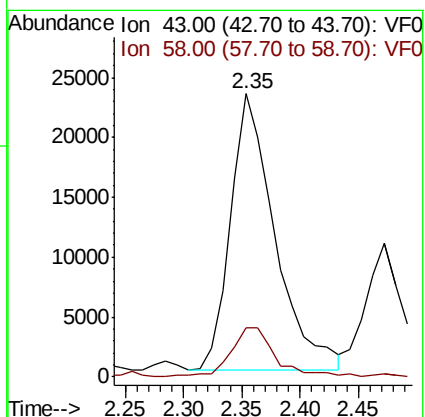
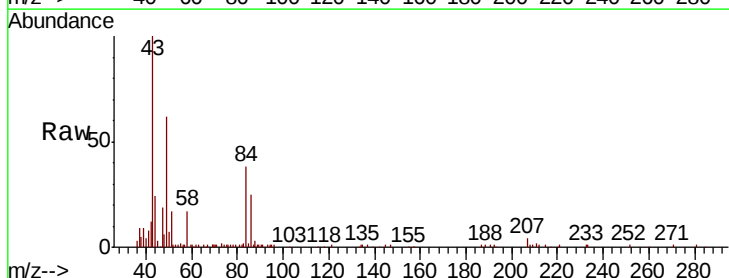
Delta R.T. 0.00 min

Lab File: VF062498.D

Acq: 12 May 2019 12:57

Tgt Ion: 43 Resp: 60663

Ion	Ratio	Lower	Upper
43	100		
58	17.4	13.1	19.7

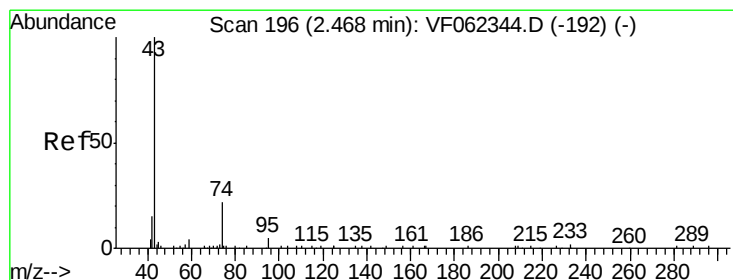
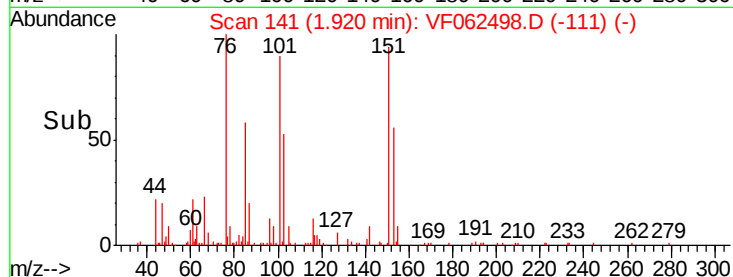
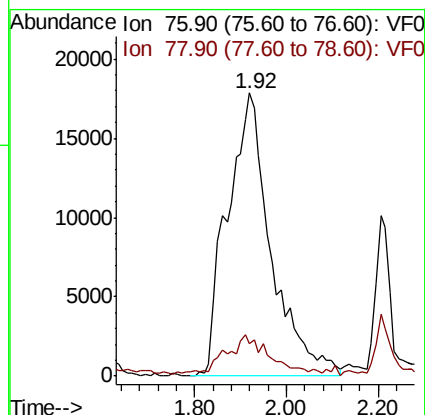
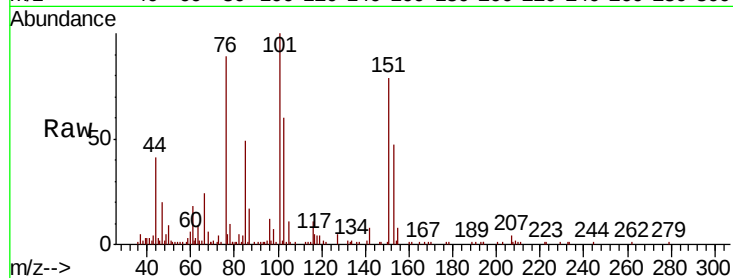




#17
Carbon Disulfide
Concen: 22.100 ug/l
RT: 1.92 min Scan# 141
Delta R.T. -0.01 min
Lab File: VF062498.D
Acq: 12 May 2019 12:57

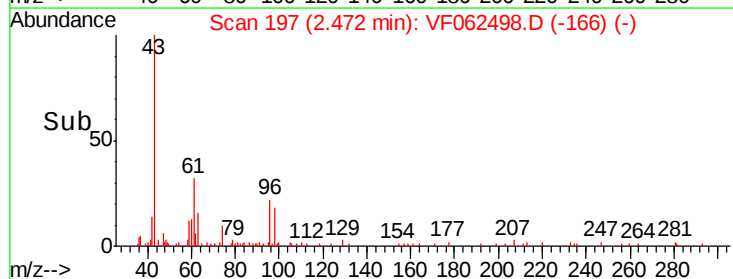
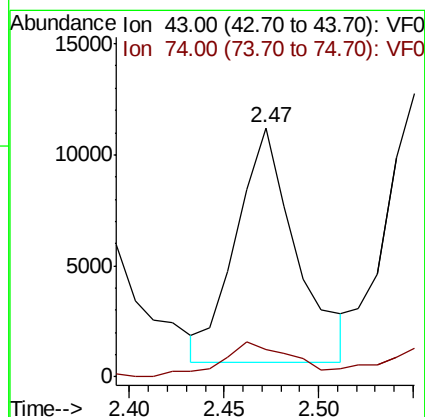
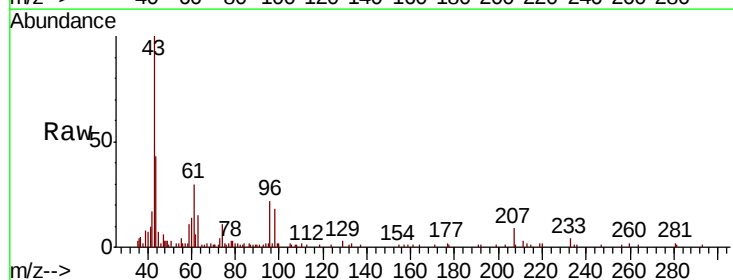
Instrument :
MSVOA_F
ClientSampleId :
VF0512SBSD01

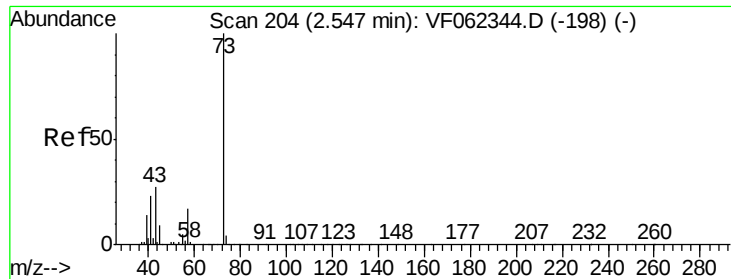
Tot Ion: 76 Resp: 118154
Ion Ratio Lower Upper
76 100
78 11.6 9.0 13.4



#18
Methyl Acetate
Concen: 18.884 ug/l
RT: 2.47 min Scan# 197
Delta R.T. 0.00 min
Lab File: VF062498.D
Acq: 12 May 2019 12:57

Tgt Ion: 43 Resp: 23228
Ion Ratio Lower Upper
43 100
74 18.2 15.0 22.4



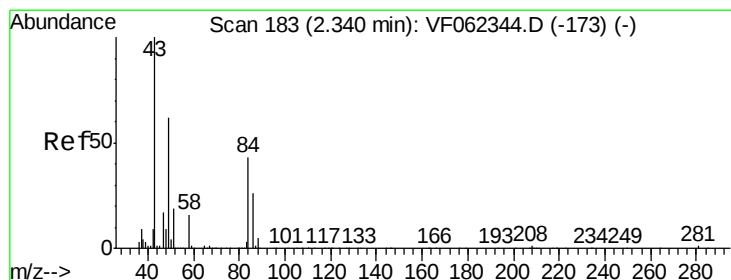
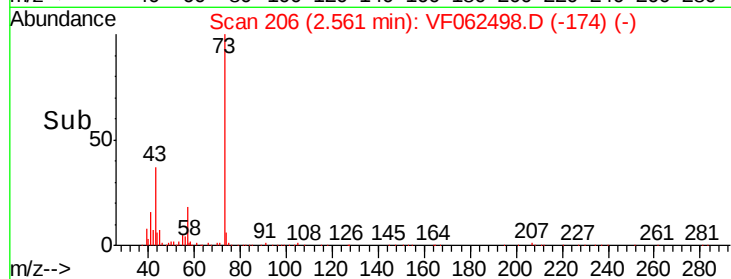
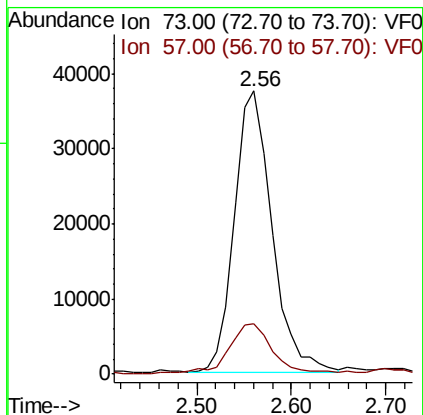
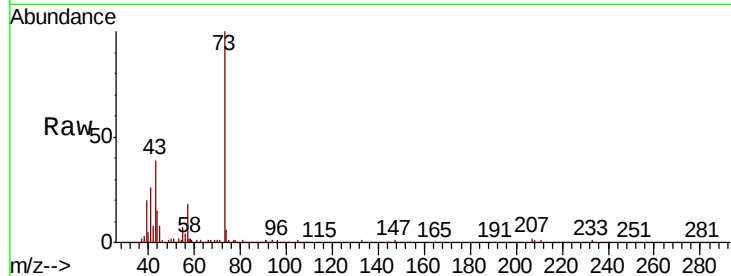


#19

Methyl tert-butyl Ether
 Concen: 20.422 ug/l
 RT: 2.56 min Scan# 206
 Delta R.T. 0.01 min
 Lab File: VF062498.D
 Acq: 12 May 2019 12:57

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0512SBSD01

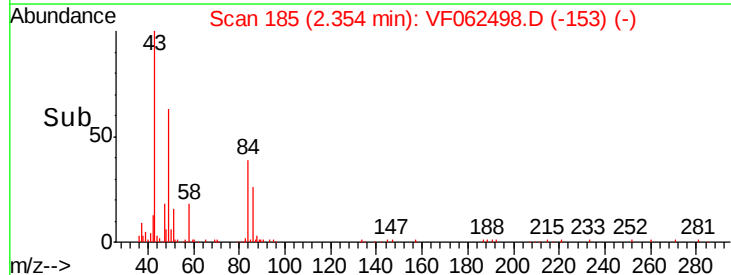
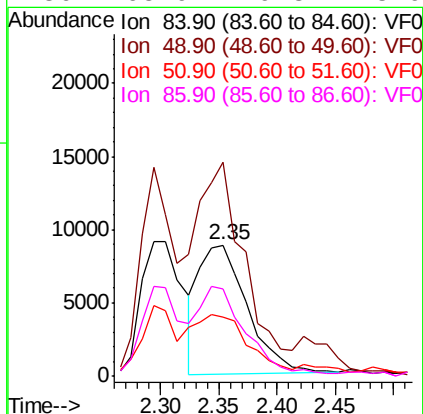
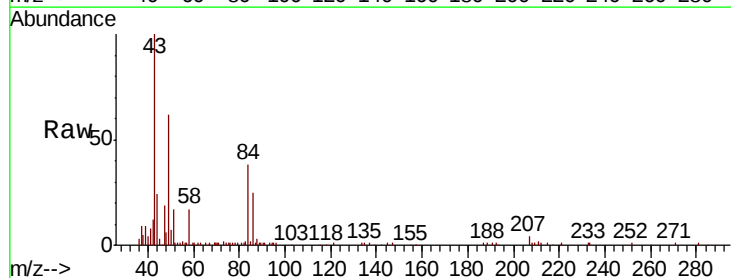
Tot Ion: 73 Resp: 103365
 Ion Ratio Lower Upper
 73 100
 57 17.4 13.7 20.5

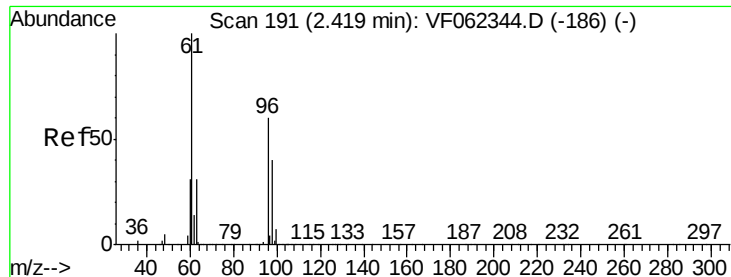


#20

Methylene Chloride
 Concen: 11.421 ug/l
 RT: 2.35 min Scan# 185
 Delta R.T. 0.01 min
 Lab File: VF062498.D
 Acq: 12 May 2019 12:57

Tgt Ion: 84 Resp: 25263
 Ion Ratio Lower Upper
 84 100
 49 154.4 117.5 176.3
 51 41.2 37.0 55.4
 86 65.9 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 22.220 ug/l

RT: 2.43 min Scan# 193

Delta R.T. 0.01 min

Lab File: VF062498.D

Acq: 12 May 2019 12:57

Instrument :

MSVOA_F

ClientSampleId :

VF0512SBSD01

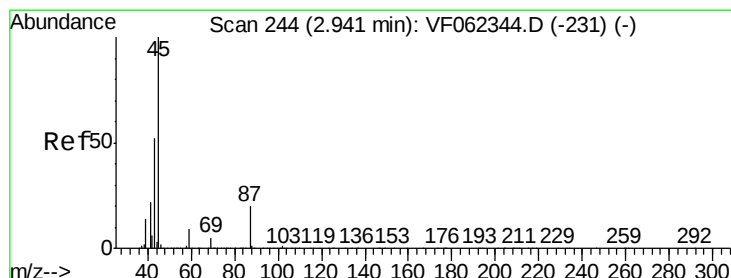
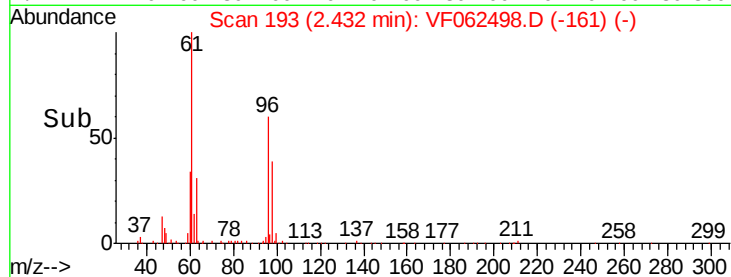
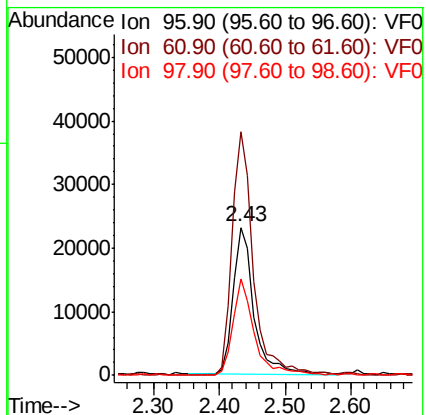
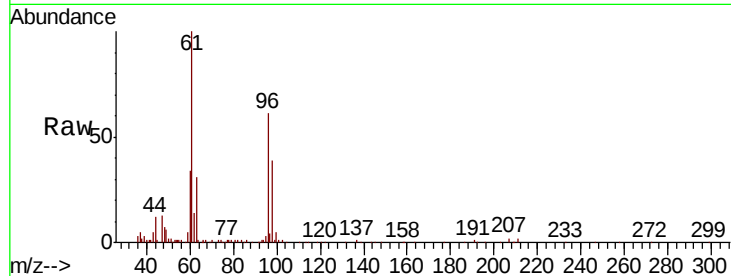
Tot Ion: 96 Resp: 51908

Ion Ratio Lower Upper

96 100

61 165.4 133.2 199.8

98 65.5 53.1 79.7



#22

Diisopropyl ether

Concen: 20.896 ug/l

RT: 2.94 min Scan# 245

Delta R.T. 0.00 min

Lab File: VF062498.D

Acq: 12 May 2019 12:57

Tgt Ion: 45 Resp: 141449

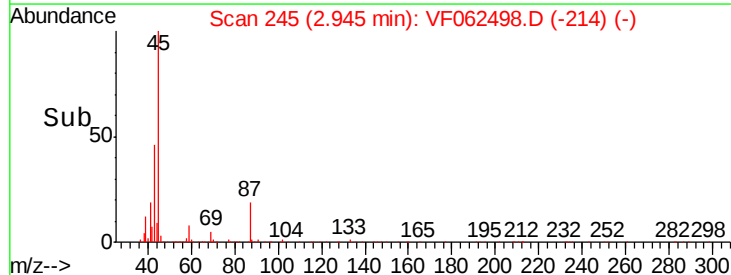
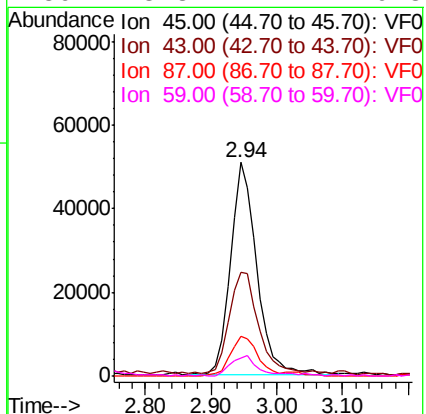
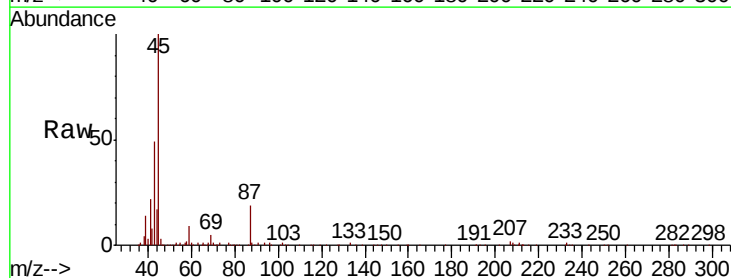
Ion Ratio Lower Upper

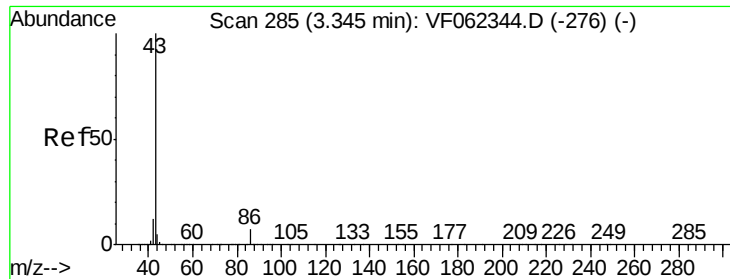
45 100

43 47.7 41.4 62.0

87 19.0 15.8 23.6

59 8.3 7.2 10.8

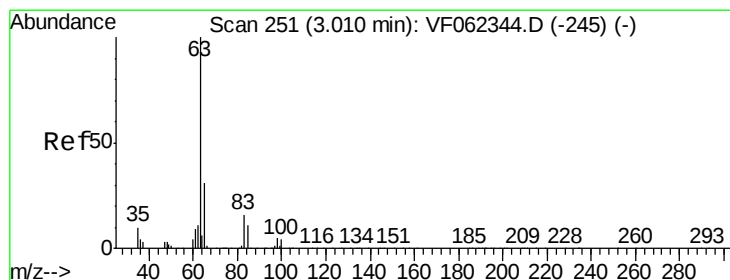
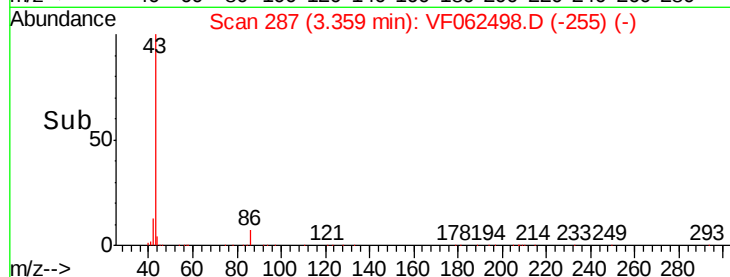
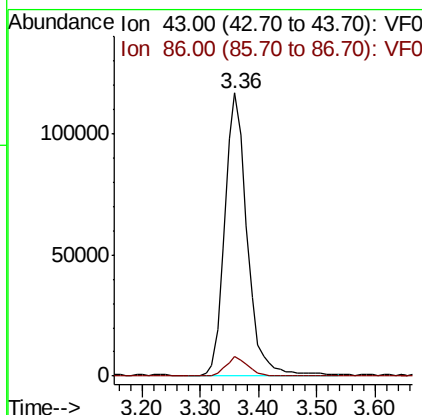
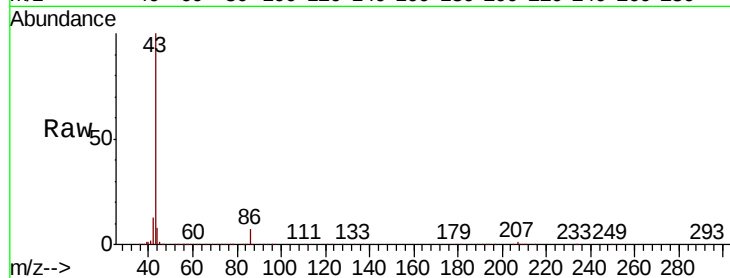




#23
 Vinyl Acetate
 Concen: 102.793 ug/l
 RT: 3.36 min Scan# 287
 Delta R.T. 0.01 min
 Lab File: VF062498.D
 Acq: 12 May 2019 12:57

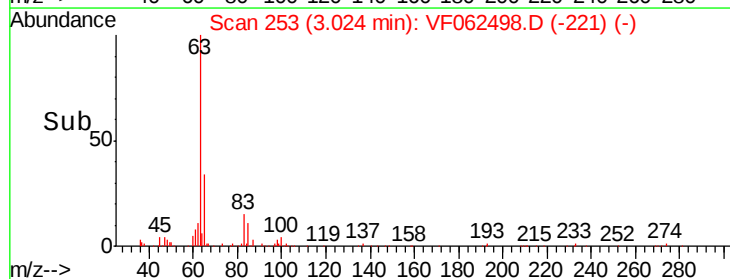
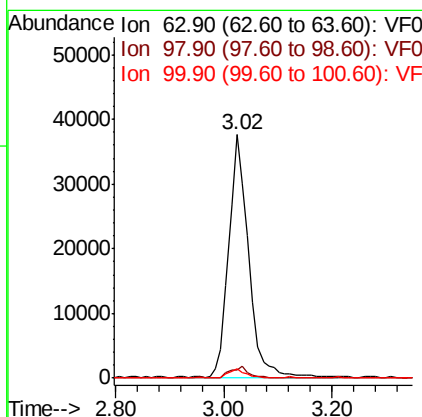
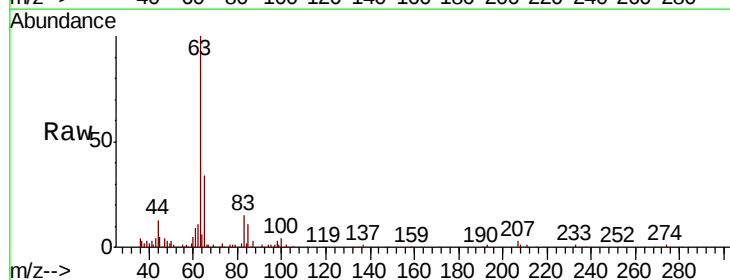
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0512SBSD01

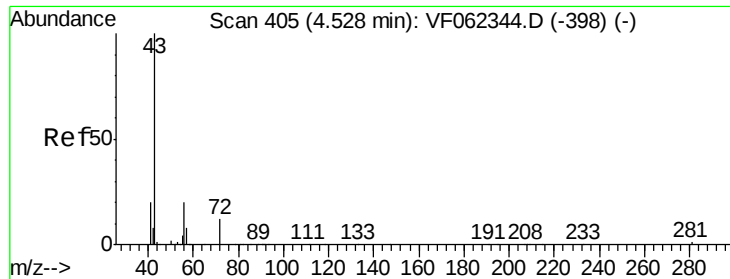
Tot Ion: 43 Resp: 310129
 Ion Ratio Lower Upper
 43 100
 86 7.1 5.7 8.5



#24
 1,1-Dichloroethane
 Concen: 23.554 ug/l
 RT: 3.02 min Scan# 253
 Delta R.T. 0.01 min
 Lab File: VF062498.D
 Acq: 12 May 2019 12:57

Tgt Ion: 63 Resp: 96366
 Ion Ratio Lower Upper
 63 100
 98 3.3 2.6 8.0
 100 3.4 1.8 5.4





#25

2-Butanone

Concen: 90.931 ug/l

RT: 4.54 min Scan# 407

Delta R.T. 0.01 min

Lab File: VF062498.D

Acq: 12 May 2019 12:57

Instrument :

MSVOA_F

ClientSampleId :

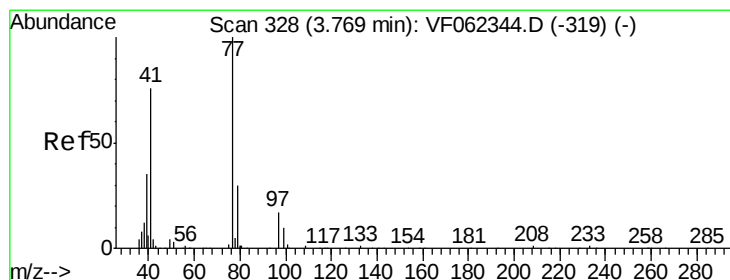
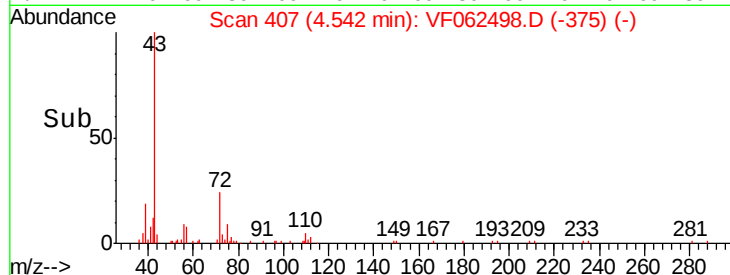
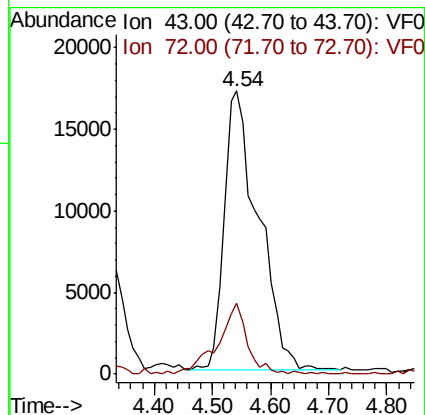
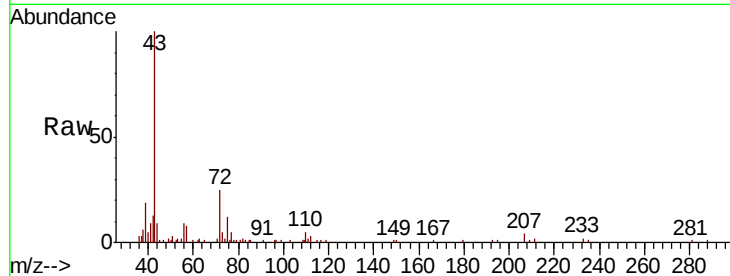
VF0512SBSD01

Tot Ion: 43 Resp: 69844

Ion Ratio Lower Upper

43 100

72 25.3 14.2 21.4#



#26

2,2-Dichloropropane

Concen: 28.594 ug/l

RT: 3.79 min Scan# 331

Delta R.T. 0.02 min

Lab File: VF062498.D

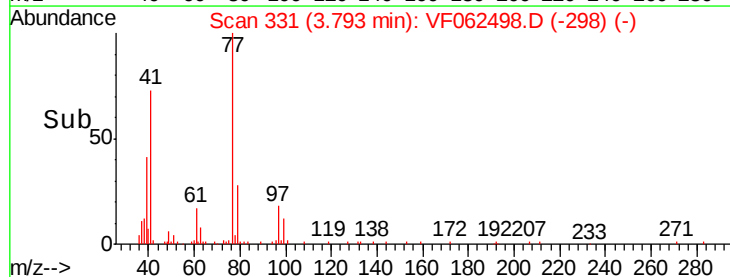
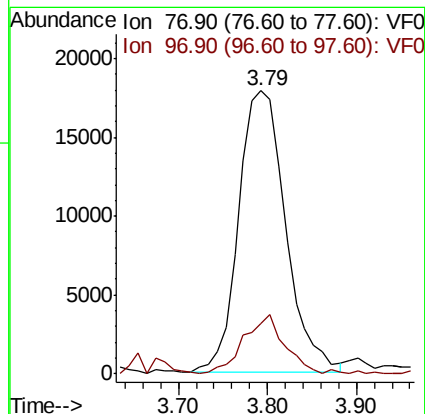
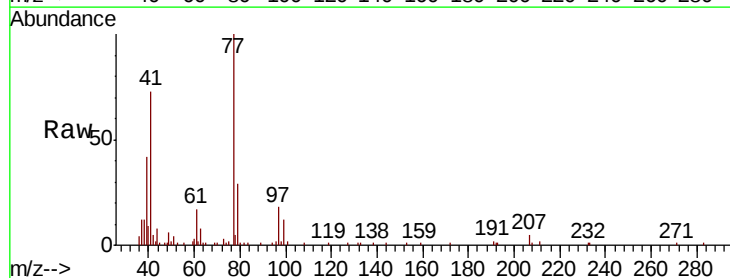
Acq: 12 May 2019 12:57

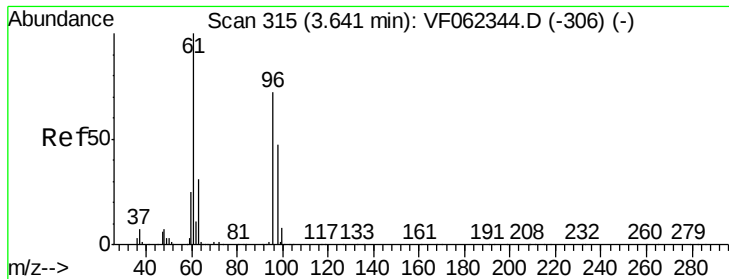
Tgt Ion: 77 Resp: 65329

Ion Ratio Lower Upper

77 100

97 18.3 9.5 28.5



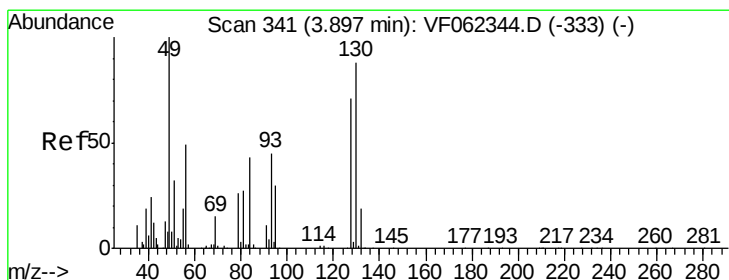
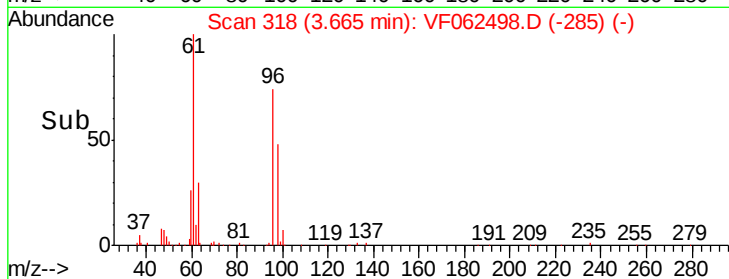
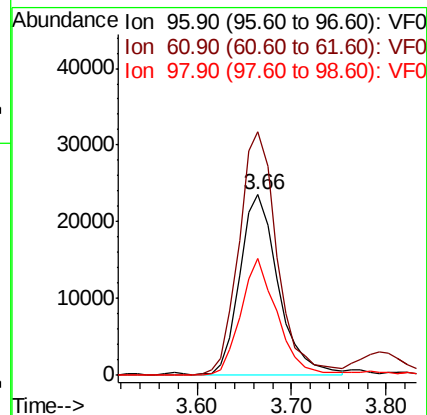
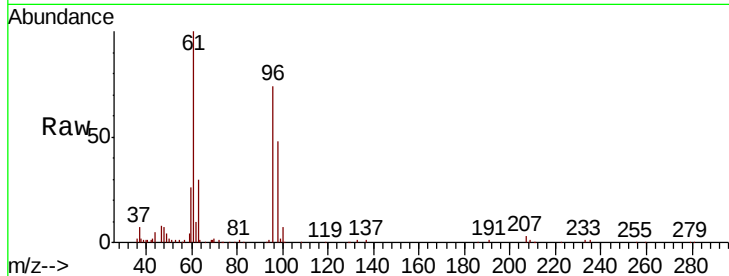


#27

cis-1,2-Dichloroethene
Concen: 22.529 ug/l
RT: 3.66 min Scan# 318
Delta R.T. 0.02 min
Lab File: VF062498.D
Acq: 12 May 2019 12:57

Instrument :
MSVOA_F
ClientSampleId :
VF0512SBS01

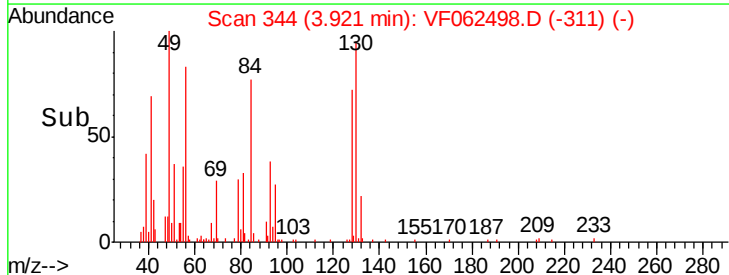
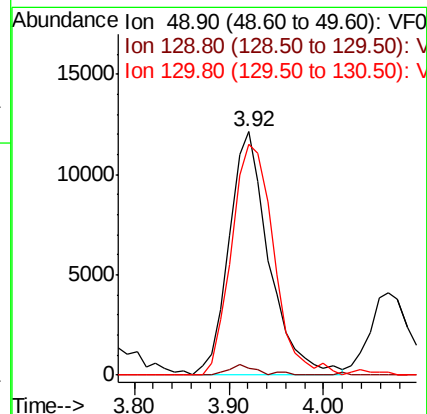
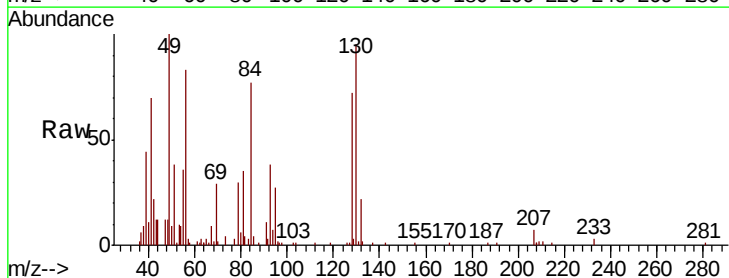
Tot Ion	Ratio	Lower	Upper
96	100		
61	135.9	0.0	263.0
98	61.8	0.0	130.8

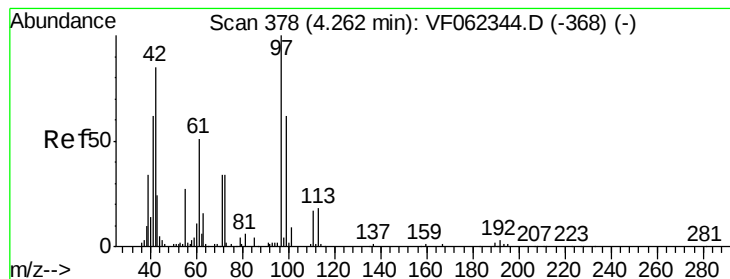


#28

Bromochloromethane
Concen: 19.168 ug/l
RT: 3.92 min Scan# 344
Delta R.T. 0.02 min
Lab File: VF062498.D
Acq: 12 May 2019 12:57

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.0	0.0	2.2#
130	100.0	79.4	119.0





#29

Tetrahydrofuran

Concen: 96.027 ug/l

RT: 4.29 min Scan# 381

Delta R.T. 0.02 min

Lab File: VF062498.D

Acq: 12 May 2019 12:57

Instrument :

MSVOA_F

ClientSampleId :

VF0512SBS01

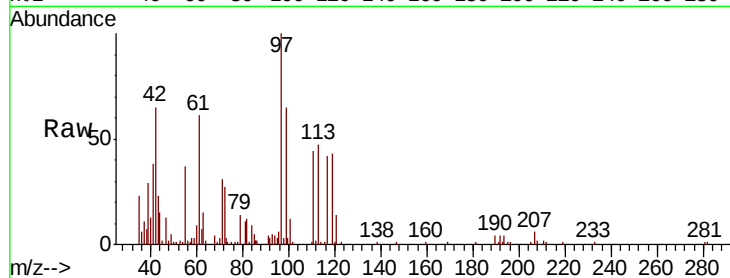
Tot Ion: 42 Resp: 33899

Ion Ratio Lower Upper

42 100

72 35.6 31.4 47.0

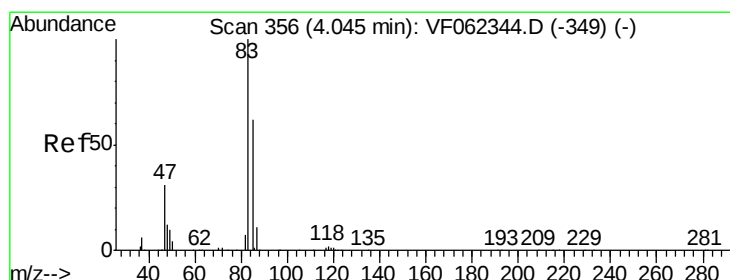
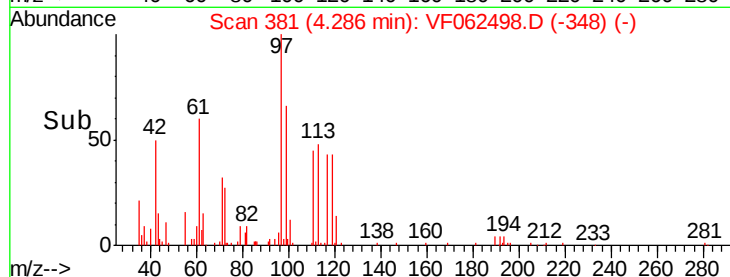
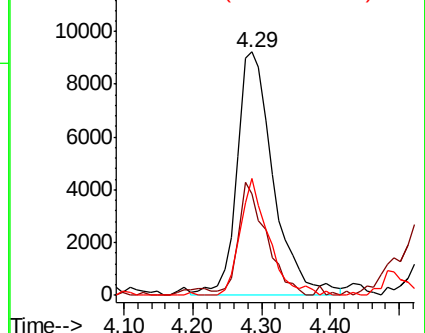
71 37.6 31.7 47.5



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 23.470 ug/l

RT: 4.07 min Scan# 359

Delta R.T. 0.02 min

Lab File: VF062498.D

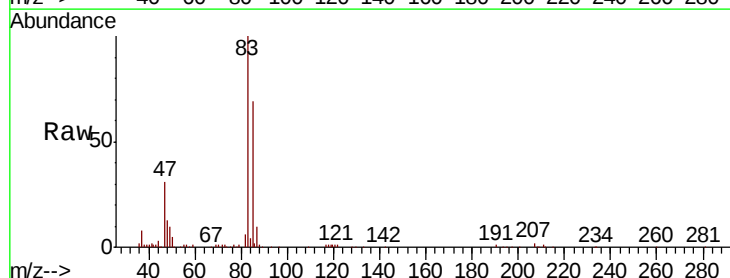
Acq: 12 May 2019 12:57

Tgt Ion: 83 Resp: 129723

Ion Ratio Lower Upper

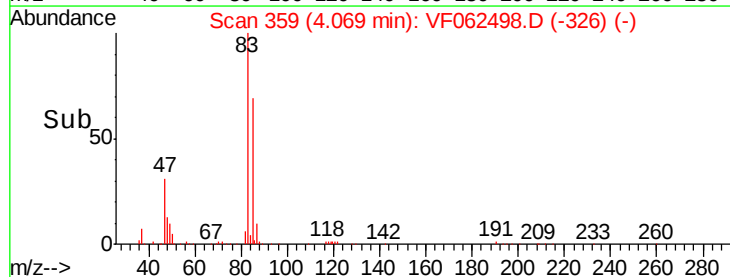
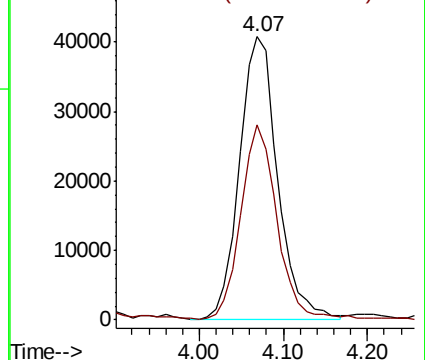
83 100

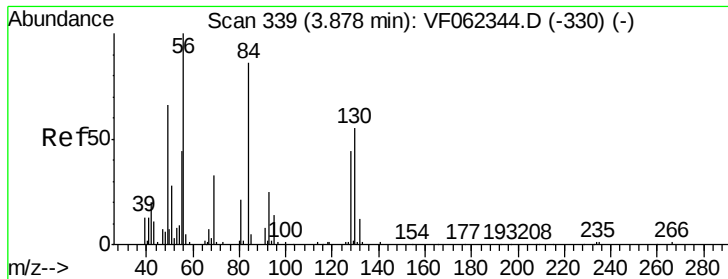
85 68.3 49.6 74.4



Abundance Ion 82.90 (82.60 to 83.60): VF0

Ion 84.90 (84.60 to 85.60): VF0

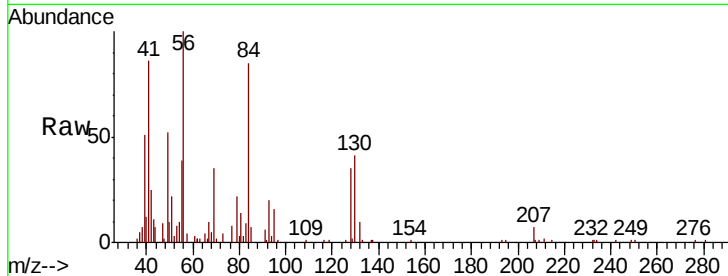




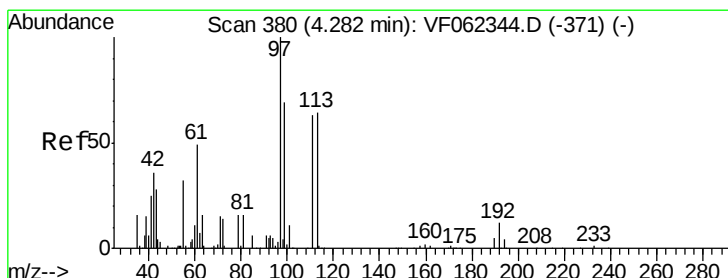
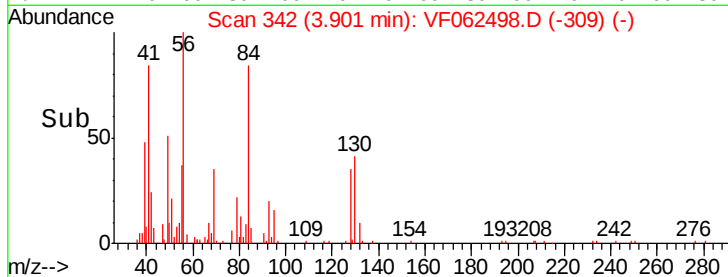
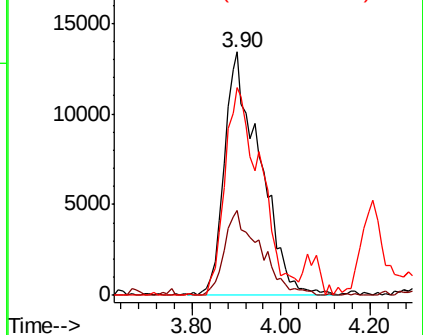
#31
Cvclohexane
Concen: 22.770 ug/l
RT: 3.90 min Scan# 342
Delta R.T. 0.02 min
Lab File: VF062498.D
Acq: 12 May 2019 12:57

Instrument :
MSVOA_F
ClientSampleId :
VF0512SBSD01

Tot Ion: 56 Resp: 74357
Ion Ratio Lower Upper
56 100
69 34.8 26.4 39.6
84 84.5 69.0 103.6

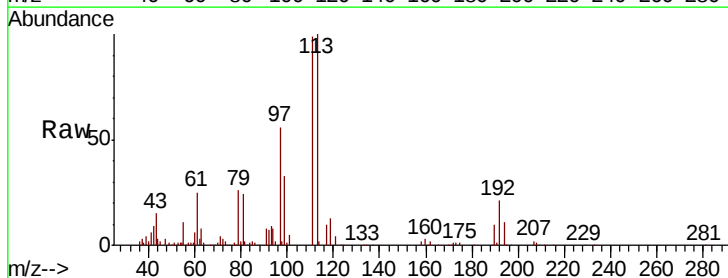


Abundance Ion 56.00 (55.70 to 56.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 84.00 (83.70 to 84.70): VF0

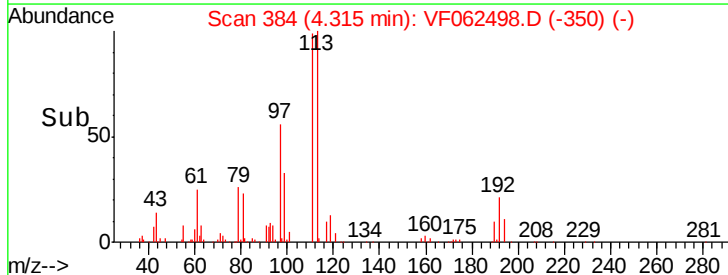
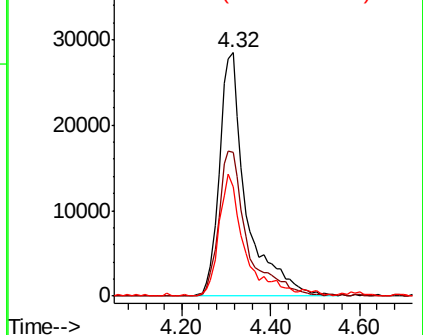


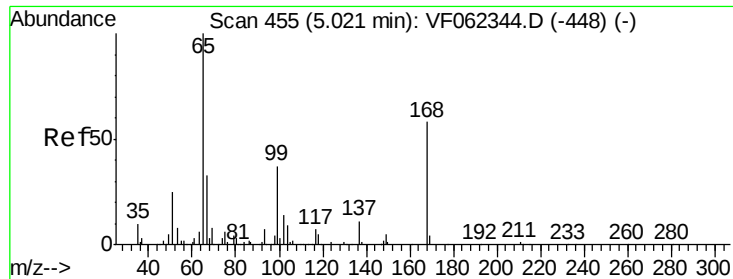
#32
1,1,1-Trichloroethane
Concen: 25.153 ug/l
RT: 4.32 min Scan# 384
Delta R.T. 0.03 min
Lab File: VF062498.D
Acq: 12 May 2019 12:57

Tgt Ion: 97 Resp: 119153
Ion Ratio Lower Upper
97 100
99 62.8 52.6 78.8
61 47.7 39.4 59.0



Abundance Ion 96.90 (96.60 to 97.60): VF0
Ion 98.90 (98.60 to 99.60): VF0
Ion 60.90 (60.60 to 61.60): VF0

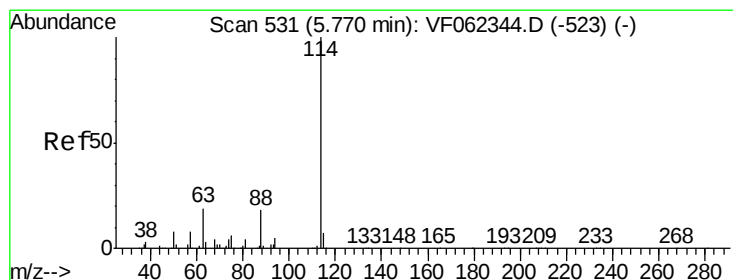
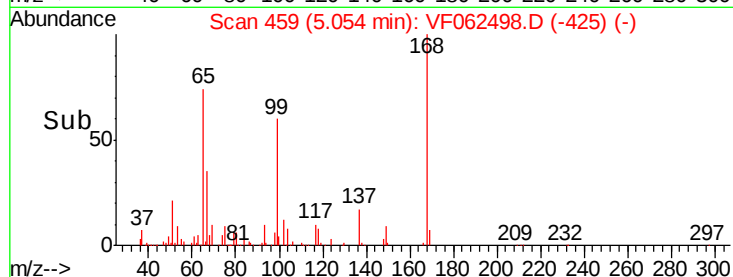
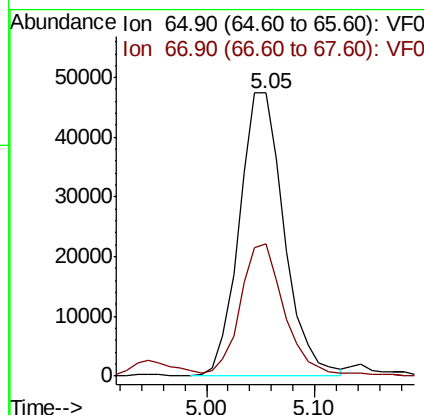
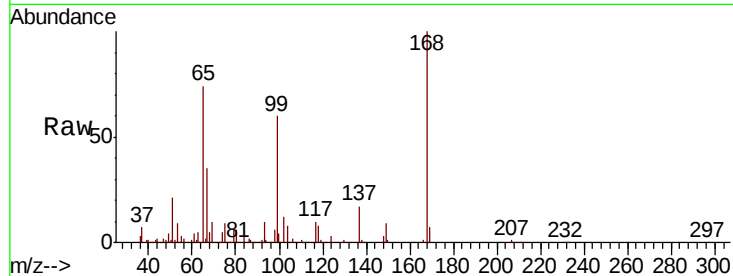




#33
 1,2-Dichloroethane-d4
 Concen: 45.477 ug/l
 RT: 5.05 min Scan# 459
 Delta R.T. 0.03 min
 Lab File: VF062498.D
 Acq: 12 May 2019 12:57

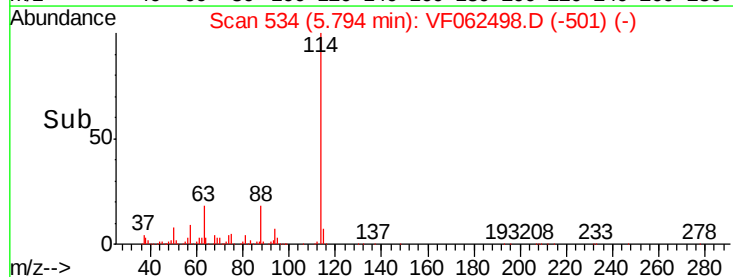
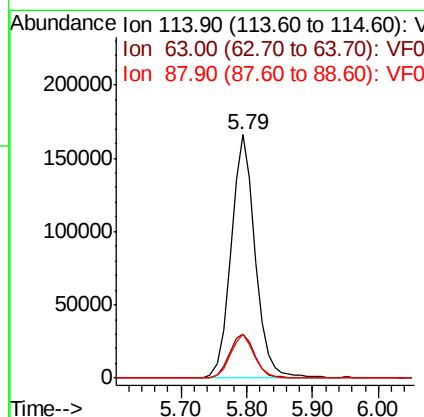
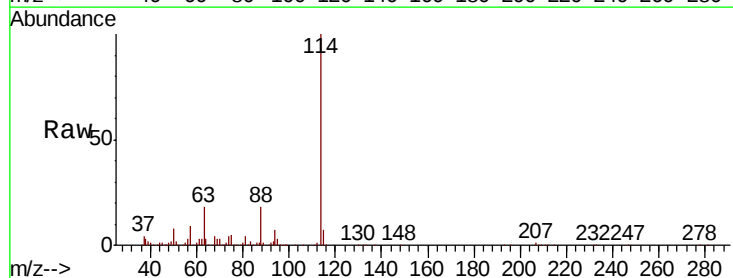
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0512SBSD01

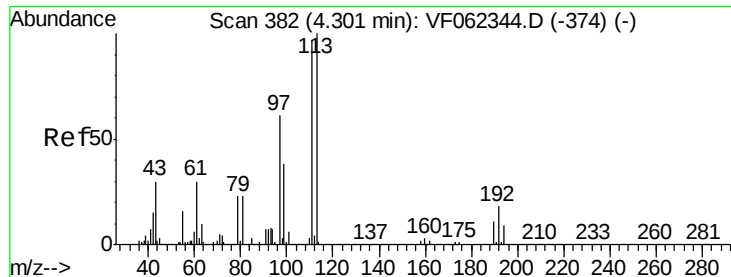
Tot Ion: 65 Resp: 137444
 Ion Ratio Lower Upper
 65 100
 67 46.6 0.0 85.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.79 min Scan# 534
 Delta R.T. 0.02 min
 Lab File: VF062498.D
 Acq: 12 May 2019 12:57

Tgt Ion:114 Resp: 426013
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 37.4
 88 18.2 0.0 36.4

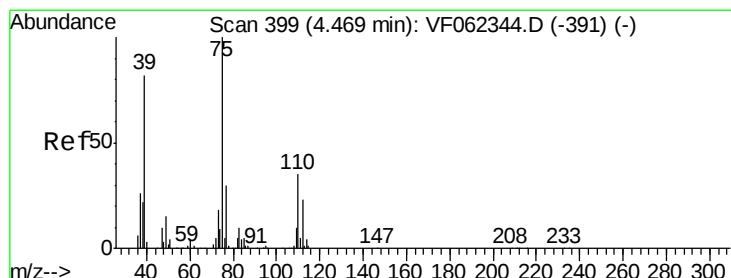
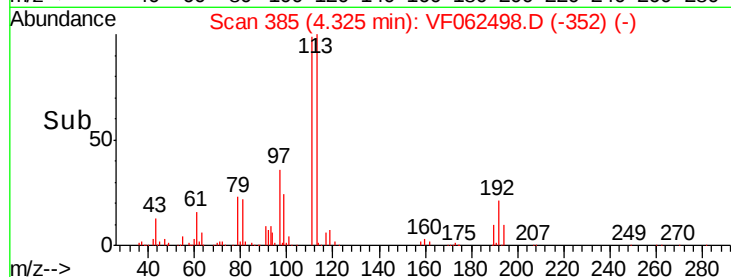
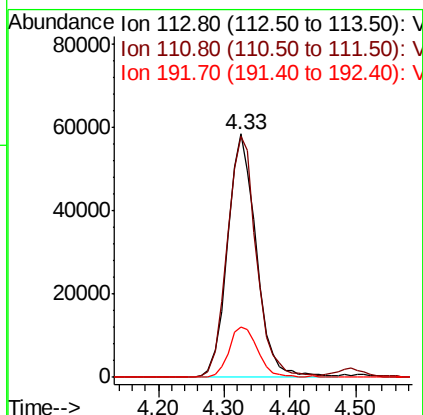
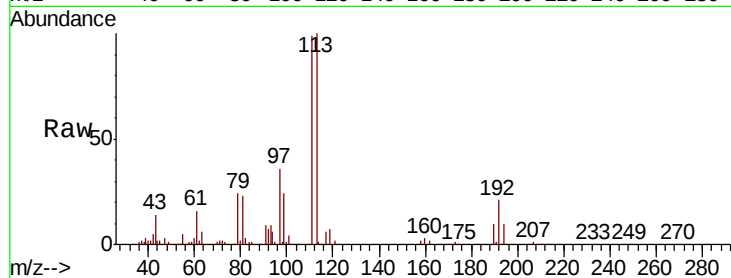




#35
 Dibromofluoromethane
 Concen: 52.955 ug/l
 RT: 4.33 min Scan# 385
 Delta R.T. 0.02 min
 Lab File: VF062498.D
 Acq: 12 May 2019 12:57

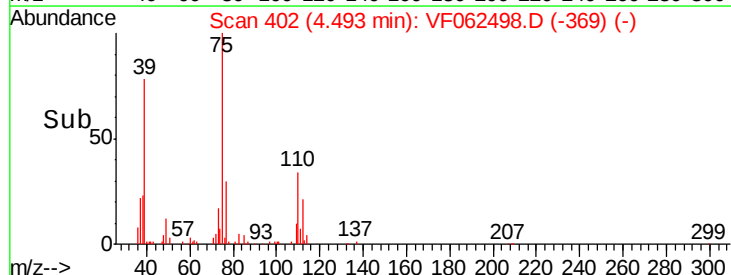
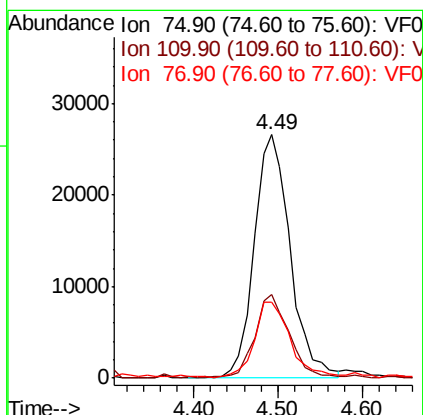
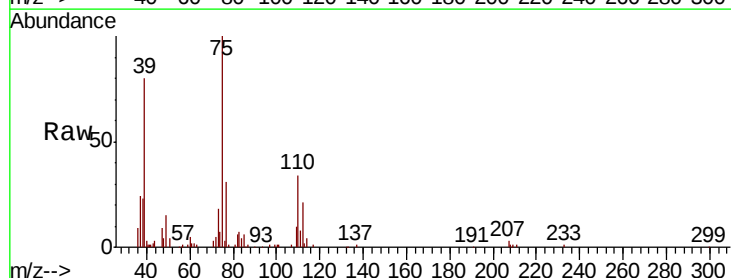
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0512SBSD01

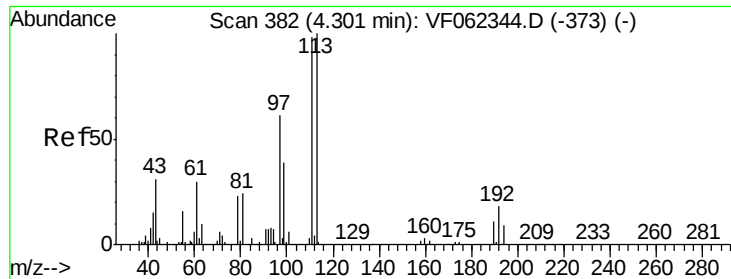
Tot Ion:113 Resp: 179727
 Ion Ratio Lower Upper
 113 100
 111 100.4 79.4 119.0
 192 21.0 16.0 24.0



#36
 1,1-Dichloropropene
 Concen: 21.764 ug/l
 RT: 4.49 min Scan# 402
 Delta R.T. 0.02 min
 Lab File: VF062498.D
 Acq: 12 May 2019 12:57

Tgt Ion: 75 Resp: 79646
 Ion Ratio Lower Upper
 75 100
 110 33.0 17.2 51.5
 77 31.5 25.2 37.8

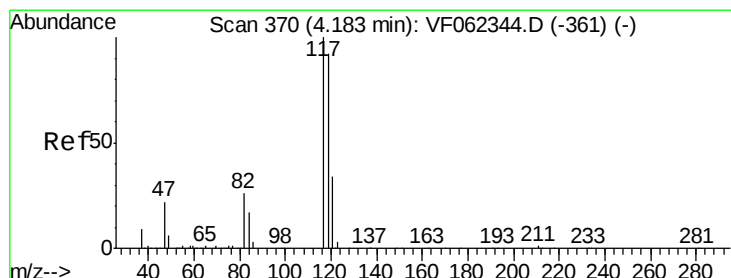
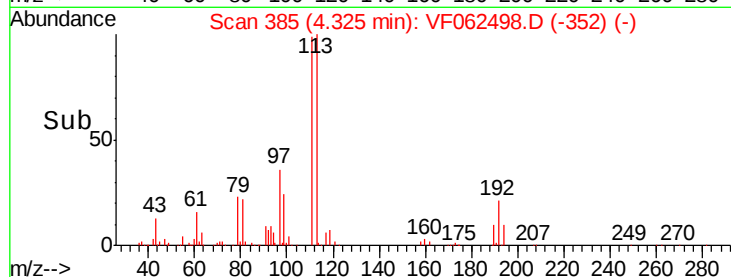
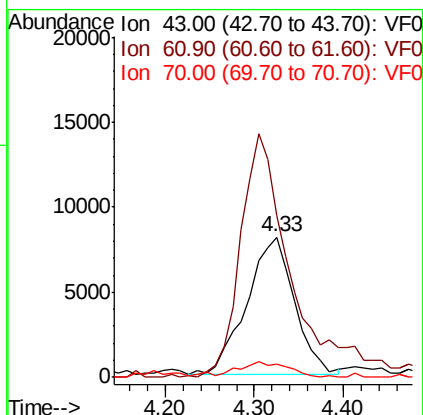
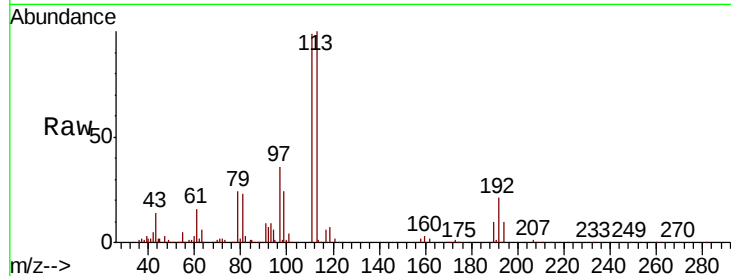




#37
Ethyl Acetate
Concen: 17.641 ug/l
RT: 4.33 min Scan# 385
Delta R.T. 0.02 min
Lab File: VF062498.D
Acq: 12 May 2019 12:57

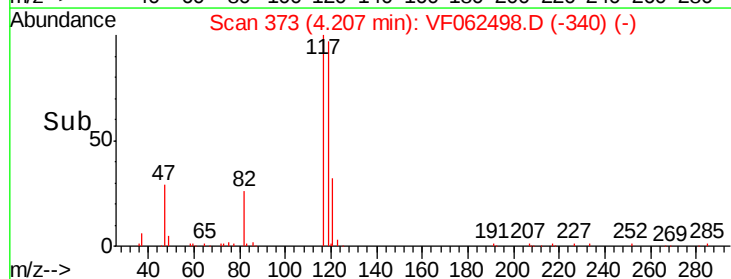
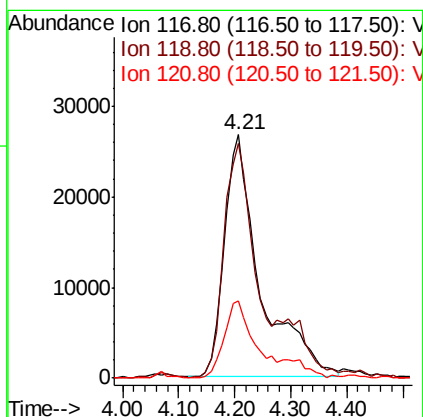
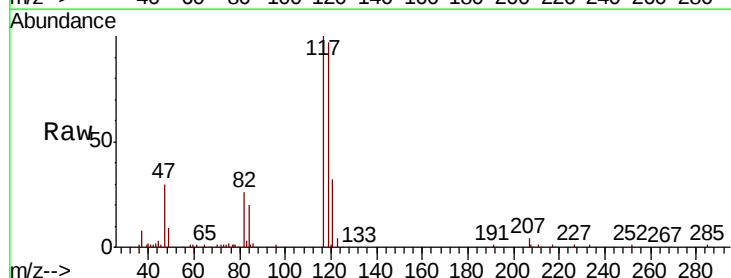
Instrument :
MSVOA_F
ClientSampleId :
VF0512SBSD01

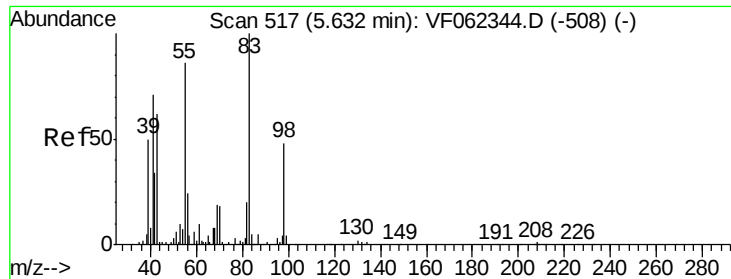
Tot Ion: 43 Resp: 29999
Ion Ratio Lower Upper
43 100
61 189.4 0.0 0.0#
70 11.5 8.2 12.2



#38
Carbon Tetrachloride
Concen: 30.379 ug/l
RT: 4.21 min Scan# 373
Delta R.T. 0.02 min
Lab File: VF062498.D
Acq: 12 May 2019 12:57

Tgt Ion: 117 Resp: 119455
Ion Ratio Lower Upper
117 100
119 97.2 73.4 110.2
121 31.7 27.4 41.0

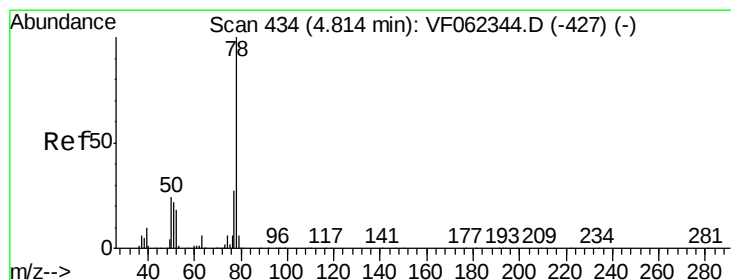
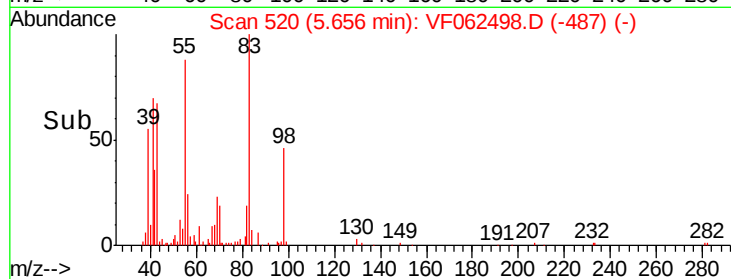
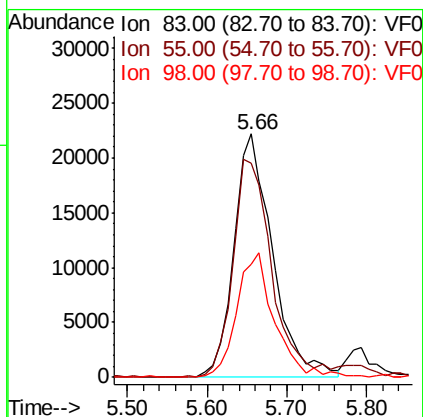
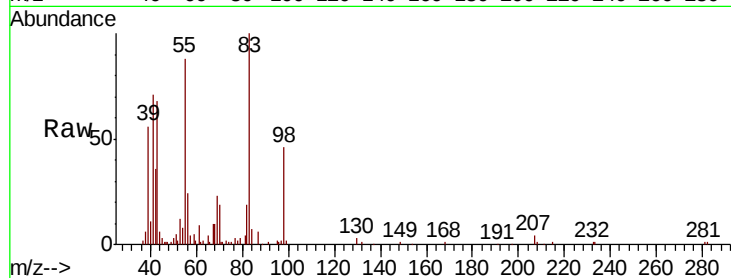




#39
Methvlcvclohexane
Concen: 20.316 ug/l
RT: 5.66 min Scan# 520
Delta R.T. 0.02 min
Lab File: VF062498.D
Acq: 12 May 2019 12:57

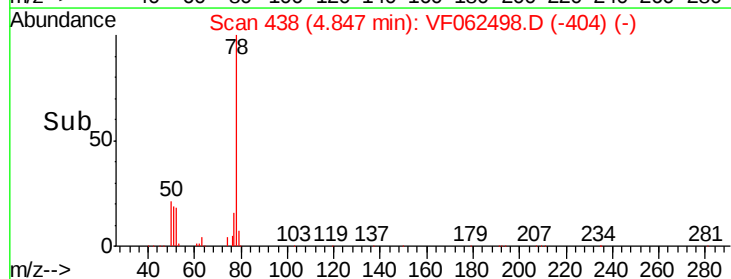
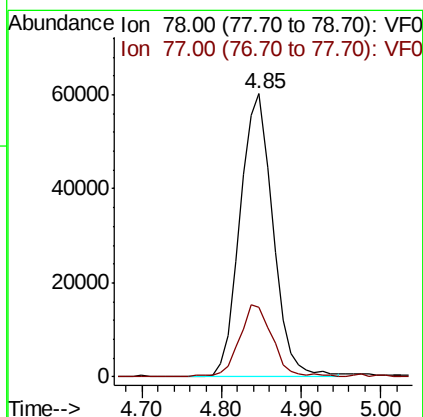
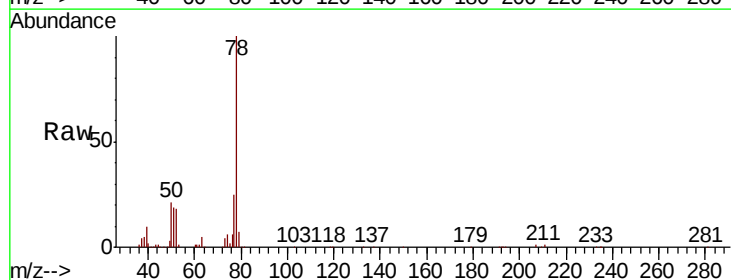
Instrument :
MSVOA_F
ClientSampleId :
VF0512SBS01

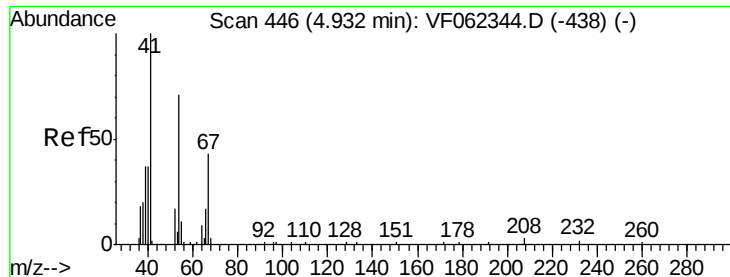
Tot Ion: 83 Resp: 74566
Ion Ratio Lower Upper
83 100
55 87.3 69.0 103.6
98 46.5 38.6 58.0



#40
Benzene
Concen: 21.392 ug/l
RT: 4.85 min Scan# 438
Delta R.T. 0.03 min
Lab File: VF062498.D
Acq: 12 May 2019 12:57

Tgt Ion: 78 Resp: 172395
Ion Ratio Lower Upper
78 100
77 24.4 21.6 32.4

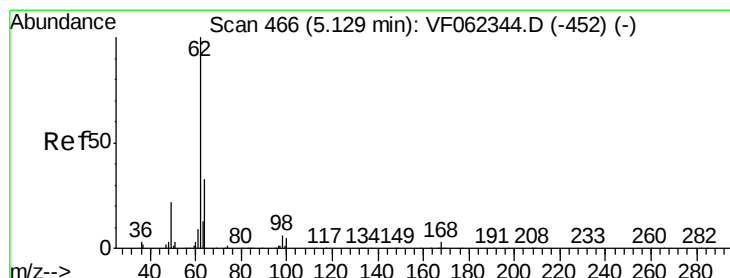
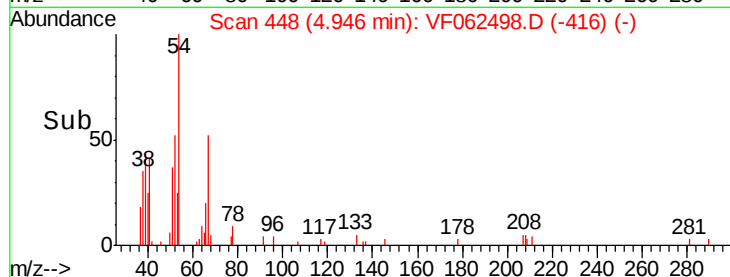
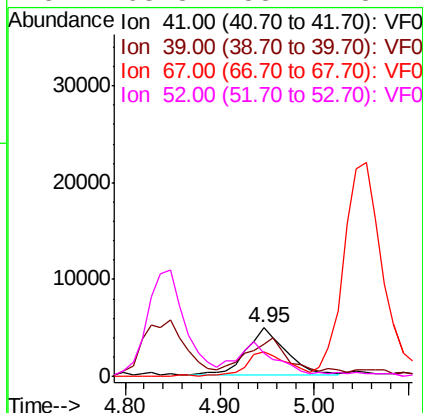
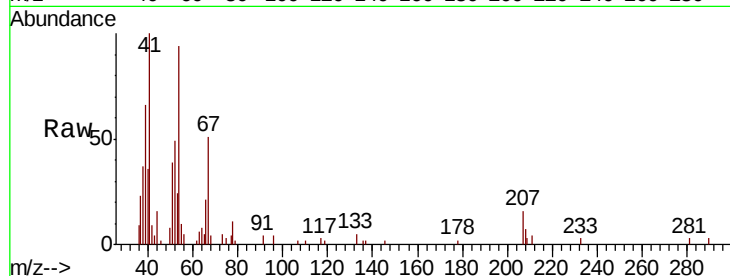




#41
Methacrylonitrile
Concen: 16.160 ug/l
RT: 4.95 min Scan# 448
Delta R.T. 0.01 min
Lab File: VF062498.D
Acq: 12 May 2019 12:57

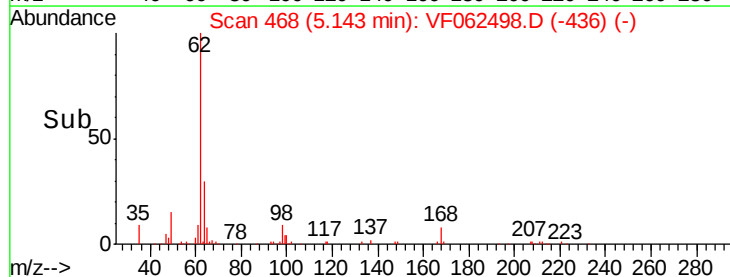
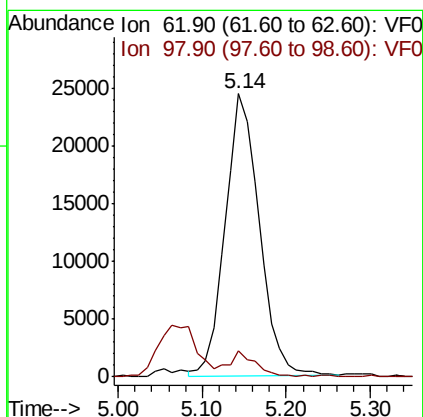
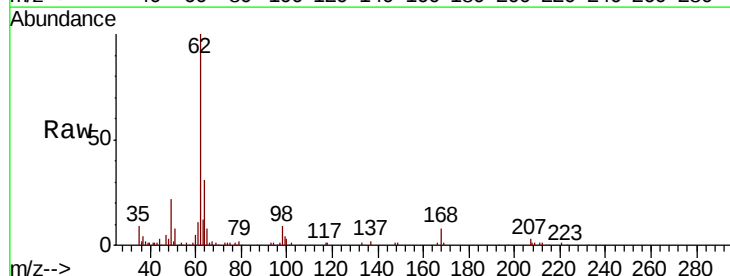
Instrument :
MSVOA_F
ClientSampleId :
VF0512SBS01

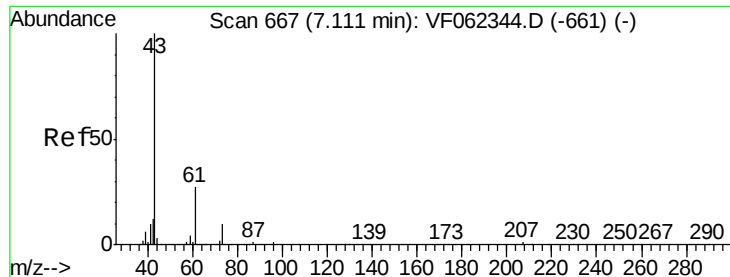
Tot Ion:	41	Resp:	14180
Ion	Ratio	Lower	Upper
41	100		
39	84.5	54.3	81.5#
67	54.5	37.8	56.8
52	63.8	58.2	87.4



#42
1,2-Dichloroethane
Concen: 20.372 ug/l
RT: 5.14 min Scan# 468
Delta R.T. 0.01 min
Lab File: VF062498.D
Acq: 12 May 2019 12:57

Tgt Ion:	62	Resp:	68663
Ion	Ratio	Lower	Upper
62	100		
98	7.3	0.0	12.4



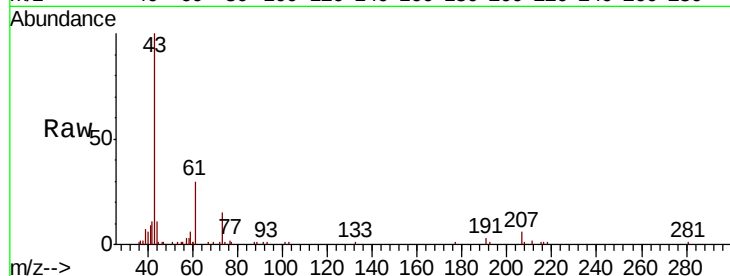


#43

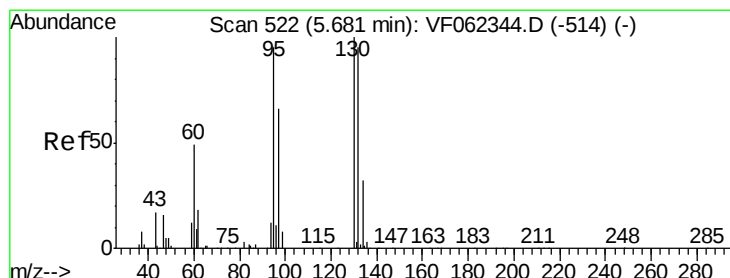
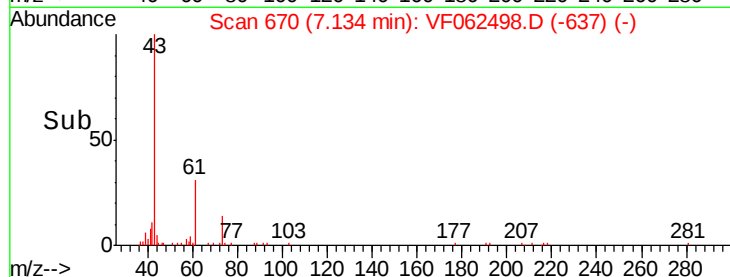
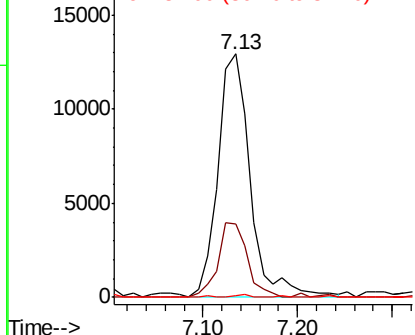
Isopropyl Acetate
 Concen: 18.434 ug/l
 RT: 7.13 min Scan# 670
 Delta R.T. 0.02 min
 Lab File: VF062498.D
 Acq: 12 May 2019 12:57

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0512SBS01

Tot Ion: 43 Resp: 30684
 Ion Ratio Lower Upper
 43 100
 61 27.8 22.8 34.2
 87 0.5 0.6 1.0#



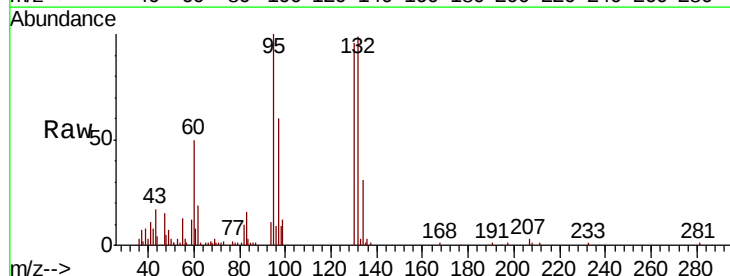
Abundance Ion 43.00 (42.70 to 43.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 87.00 (86.70 to 87.70): VF0



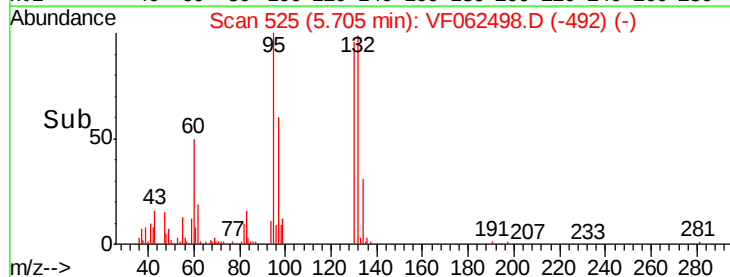
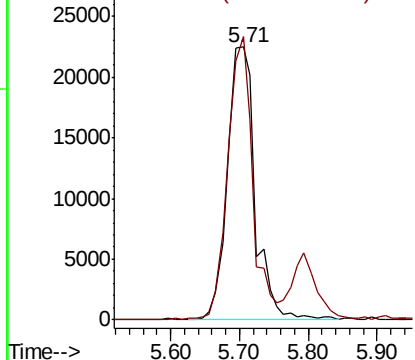
#44

Trichloroethene
 Concen: 21.236 ug/l
 RT: 5.71 min Scan# 525
 Delta R.T. 0.02 min
 Lab File: VF062498.D
 Acq: 12 May 2019 12:57

Tgt Ion: 130 Resp: 62867
 Ion Ratio Lower Upper
 130 100
 95 103.0 0.0 189.0



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 22.995 ug/l

RT: 6.42 min Scan# 598

Delta R.T. 0.02 min

Lab File: VF062498.D

Acq: 12 May 2019 12:57

Instrument :

MSVOA_F

ClientSampleId :

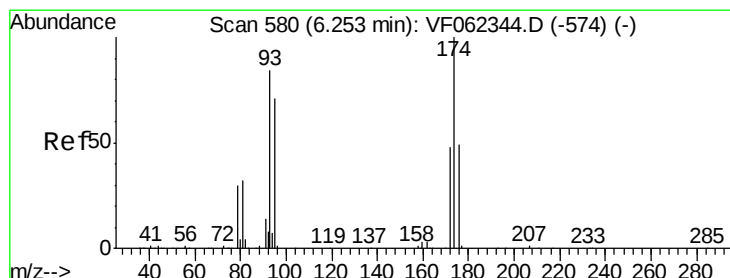
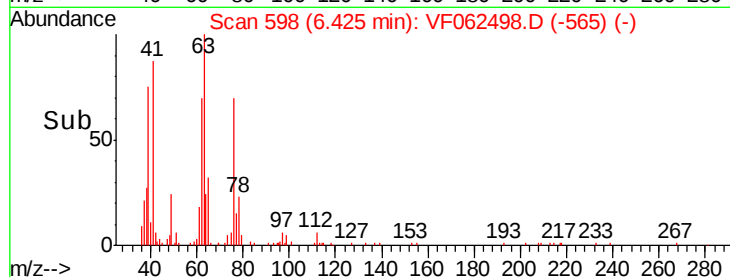
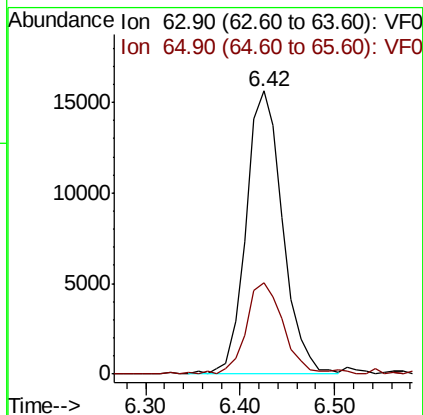
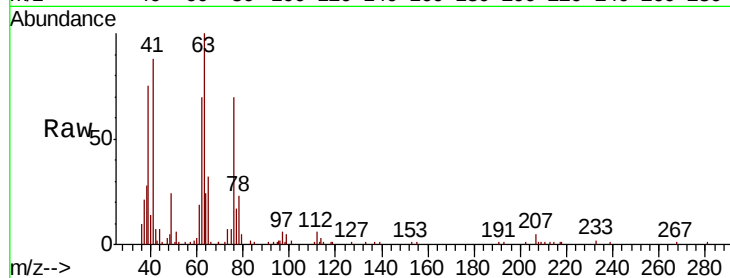
VF0512SBSD01

Tot Ion: 63 Resp: 41973

Ion Ratio Lower Upper

63 100

65 31.7 25.6 38.4



#46

Dibromomethane

Concen: 21.715 ug/l

RT: 6.28 min Scan# 583

Delta R.T. 0.02 min

Lab File: VF062498.D

Acq: 12 May 2019 12:57

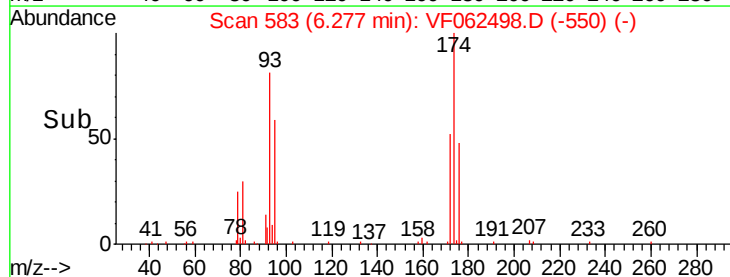
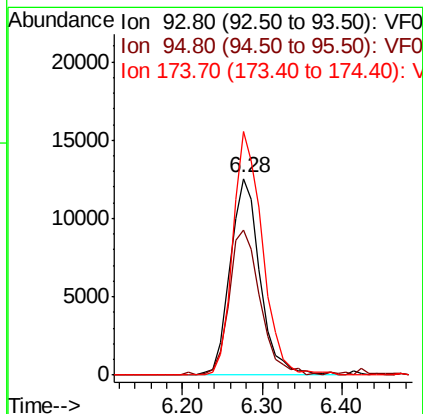
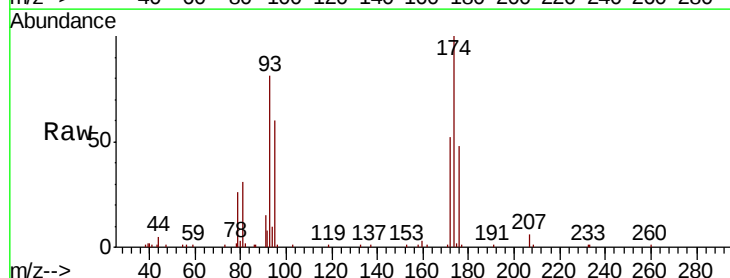
Tgt Ion: 93 Resp: 32863

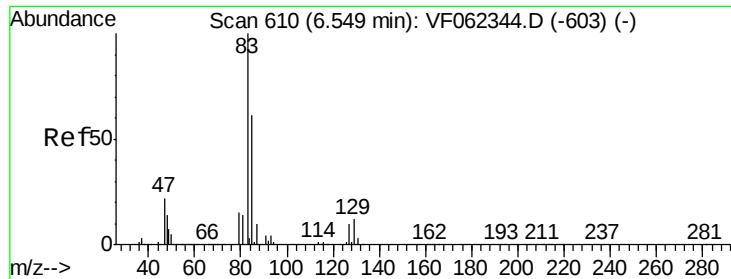
Ion Ratio Lower Upper

93 100

95 76.9 68.4 102.6

174 121.7 99.6 149.4





#47

Bromodichloromethane

Concen: 21.281 ug/l

RT: 6.57 min Scan# 613

Delta R.T. 0.02 min

Lab File: VF062498.D

Acq: 12 May 2019 12:57

Instrument :

MSVOA_F

ClientSampleId :

VF0512SBSD01

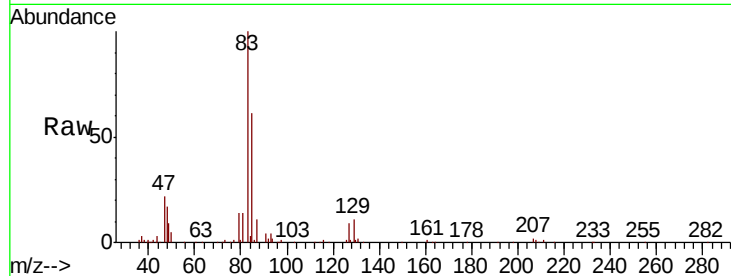
Tot Ion: 83 Resp: 80521

Ion Ratio Lower Upper

83 100

85 60.5 49.1 73.7

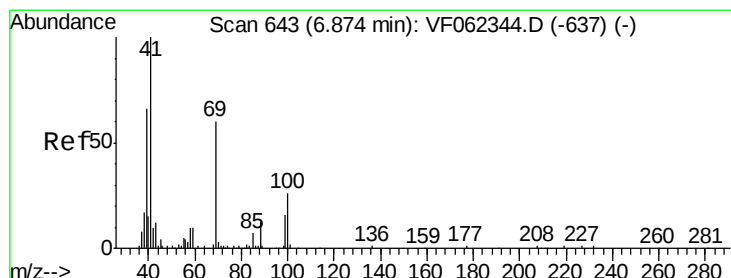
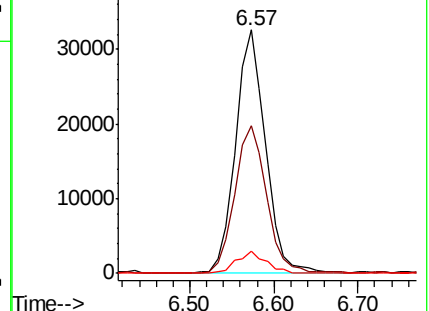
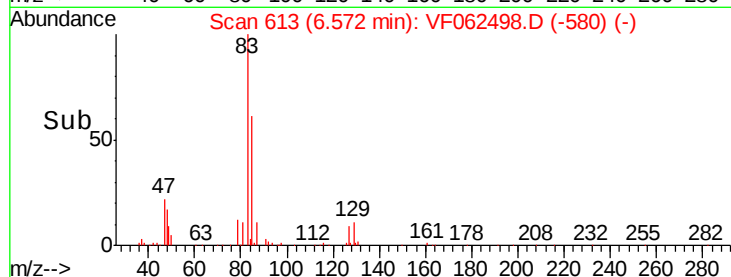
127 9.2 7.8 11.8



Abundance Ion 82.90 (82.60 to 83.60): VF0

Ion 84.90 (84.60 to 85.60): VF0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 18.083 ug/l

RT: 6.89 min Scan# 645

Delta R.T. 0.01 min

Lab File: VF062498.D

Acq: 12 May 2019 12:57

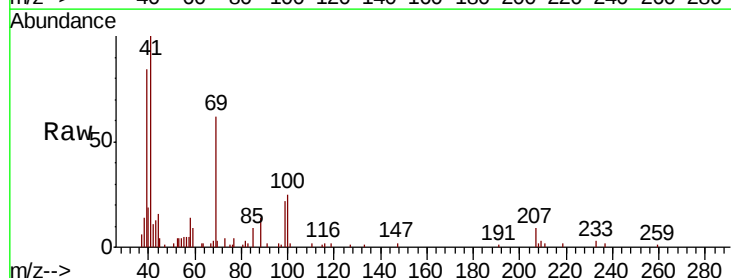
Tgt Ion: 41 Resp: 21272

Ion Ratio Lower Upper

41 100

69 66.1 48.6 72.8

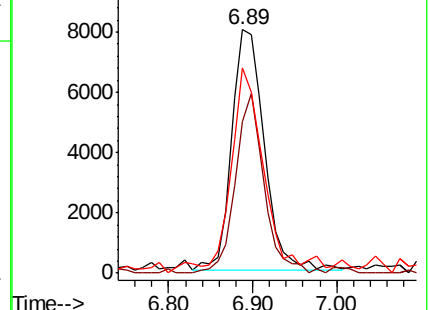
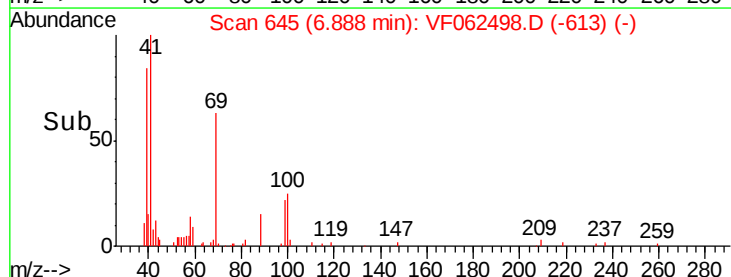
39 77.7 56.1 84.1

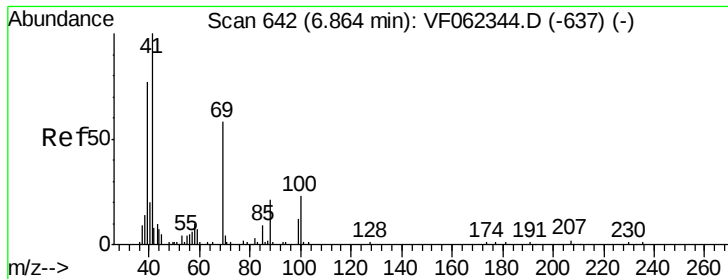


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

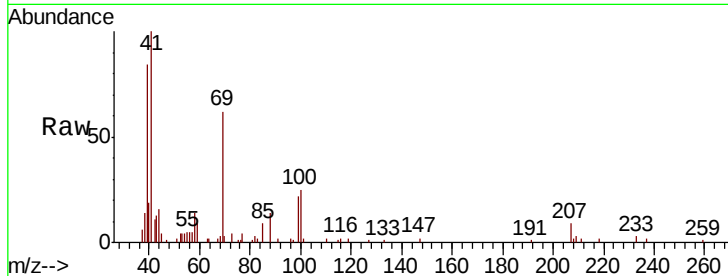




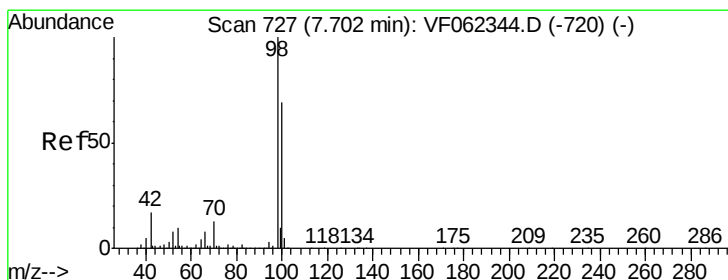
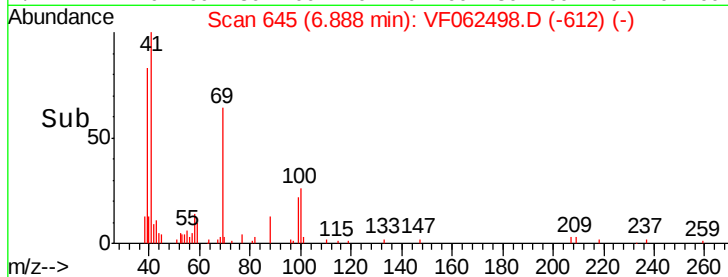
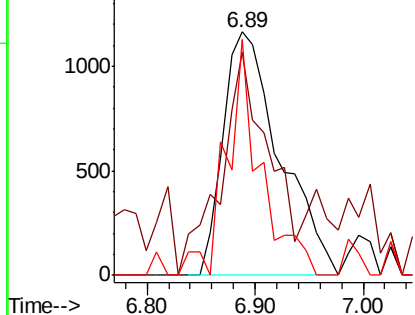
#49
1,4-Dioxane
Concen: 343.619 ug/l
RT: 6.89 min Scan# 645
Delta R.T. 0.02 min
Lab File: VF062498.D
Acq: 12 May 2019 12:57

Instrument :
MSVOA_F
ClientSampleId :
VF0512SBSD01

Tot Ion: 88 Resp: 4261
Ion Ratio Lower Upper
88 100
43 78.0 55.6 83.4
58 58.5 52.8 79.2

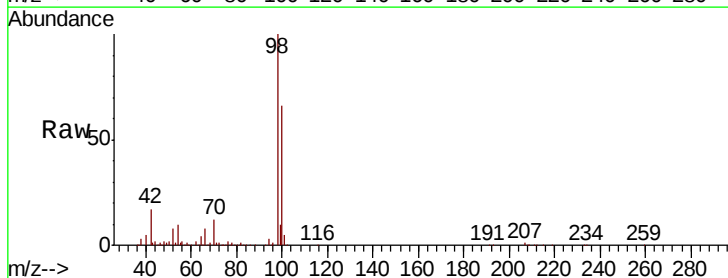


Abundance Ion 88.00 (87.70 to 88.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0

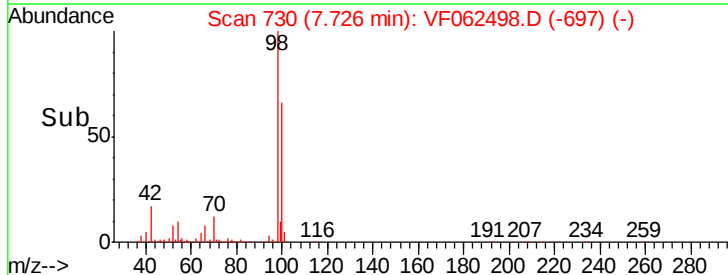
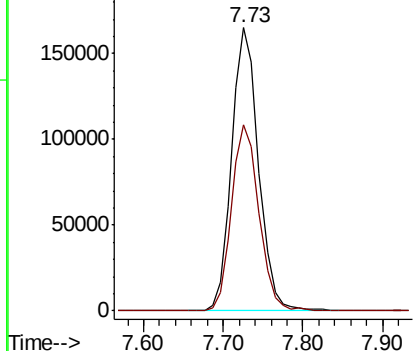


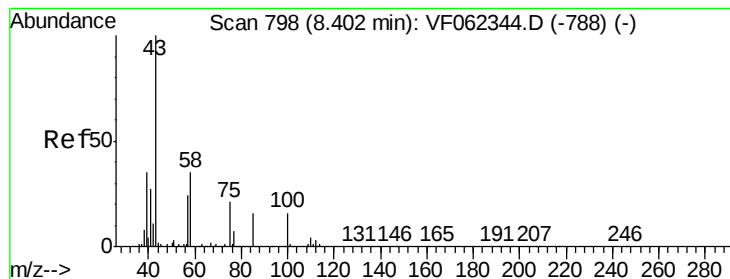
#50
Toluene-d8
Concen: 47.460 ug/l
RT: 7.73 min Scan# 730
Delta R.T. 0.02 min
Lab File: VF062498.D
Acq: 12 May 2019 12:57

Tgt Ion: 98 Resp: 389910
Ion Ratio Lower Upper
98 100
100 67.3 53.3 79.9



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





#51

4-Methyl-2-Pentanone

Concen: 99.425 ug/l

RT: 8.42 min Scan# 800

Delta R.T. 0.01 min

Lab File: VF062498.D

Acq: 12 May 2019 12:57

Instrument :

MSVOA_F

ClientSampleId :

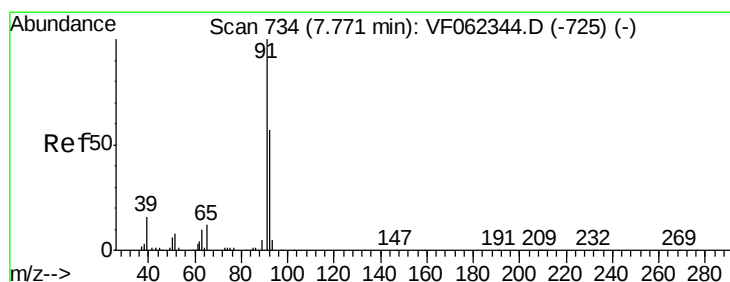
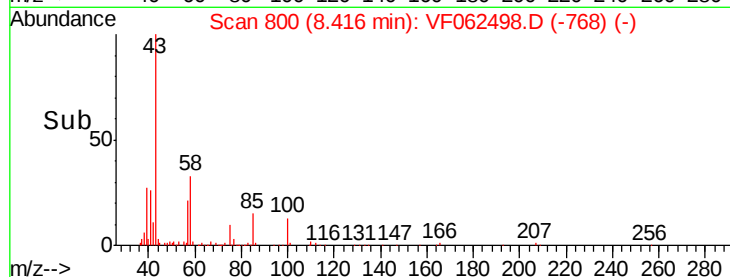
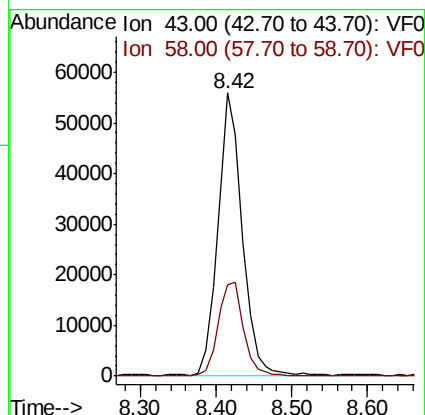
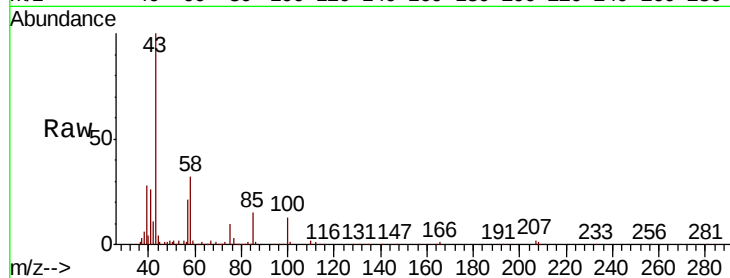
VF0512SBSD01

Tot Ion: 43 Resp: 125406

Ion Ratio Lower Upper

43 100

58 34.7 27.8 41.6



#52

Toluene

Concen: 22.264 ug/l

RT: 7.79 min Scan# 737

Delta R.T. 0.02 min

Lab File: VF062498.D

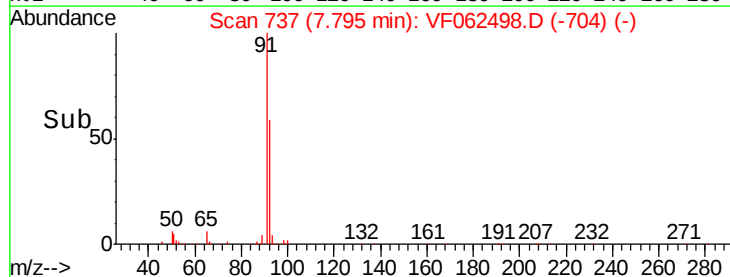
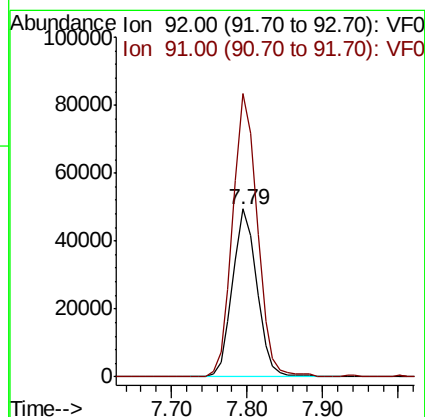
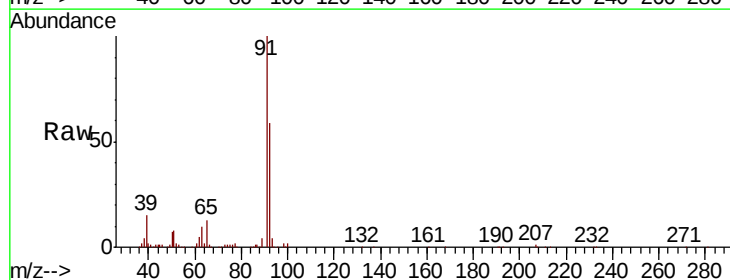
Acq: 12 May 2019 12:57

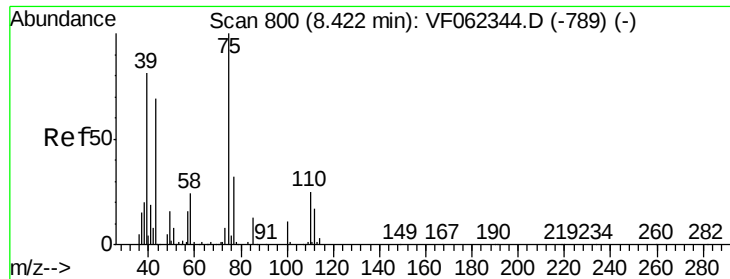
Tgt Ion: 92 Resp: 110685

Ion Ratio Lower Upper

92 100

91 170.3 138.7 208.1





#53

t-1,3-Dichloropropene

Concen: 20.932 ug/l

RT: 8.44 min Scan# 802

Delta R.T. 0.01 min

Lab File: VF062498.D

Acq: 12 May 2019 12:57

Instrument :

MSVOA_F

ClientSampleId :

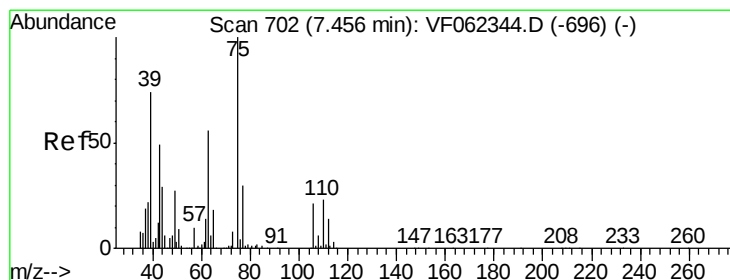
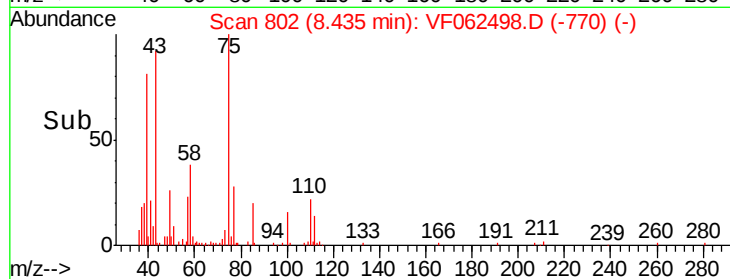
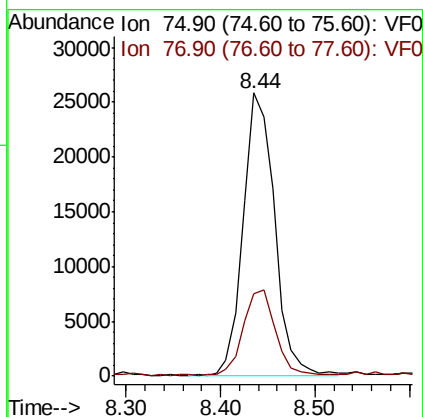
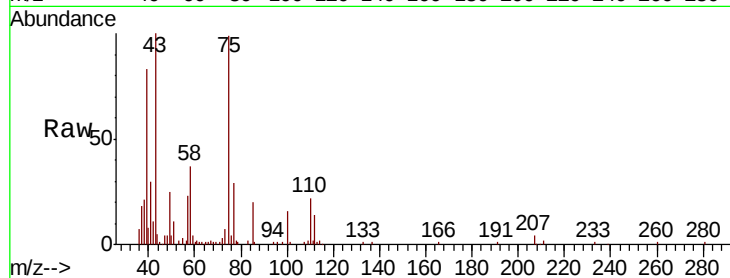
VF0512SBSD01

Tot Ion: 75 Resp: 59904

Ion Ratio Lower Upper

75 100

77 28.7 25.4 38.0



#54

cis-1,3-Dichloropropene

Concen: 22.118 ug/l

RT: 7.48 min Scan# 705

Delta R.T. 0.02 min

Lab File: VF062498.D

Acq: 12 May 2019 12:57

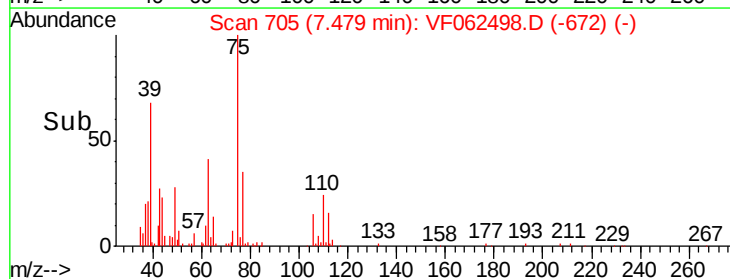
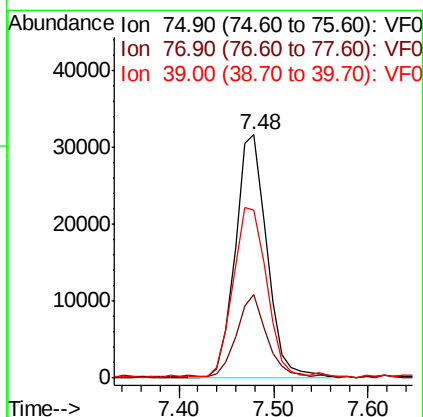
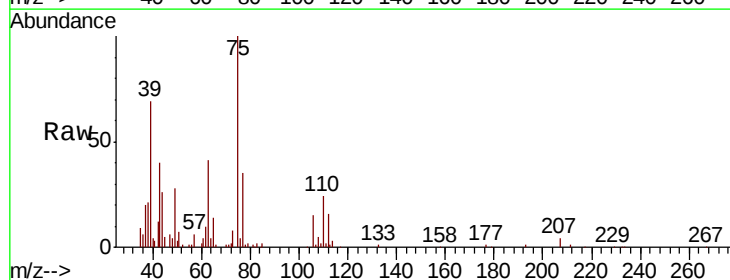
Tgt Ion: 75 Resp: 73667

Ion Ratio Lower Upper

75 100

77 34.2 24.0 36.0

39 68.6 58.7 88.1





#55

1,1,2-Trichloroethane

Concen: 21.163 ug/l

RT: 8.65 min Scan# 824

Delta R.T. 0.02 min

Lab File: VF062498.D

Acq: 12 May 2019 12:57

Instrument :

MSVOA_F

ClientSampleId :

VF0512SBSD01

Tot Ion: 97 Resp: 33400

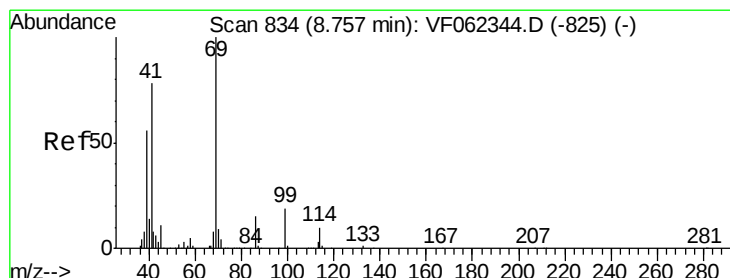
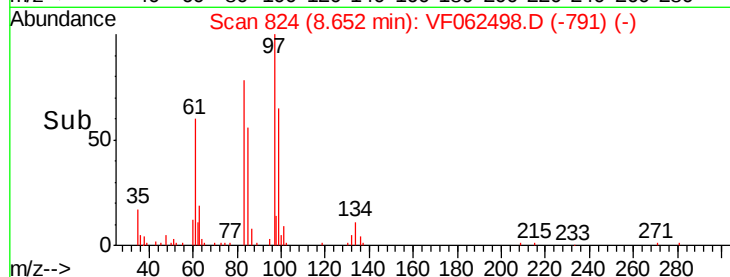
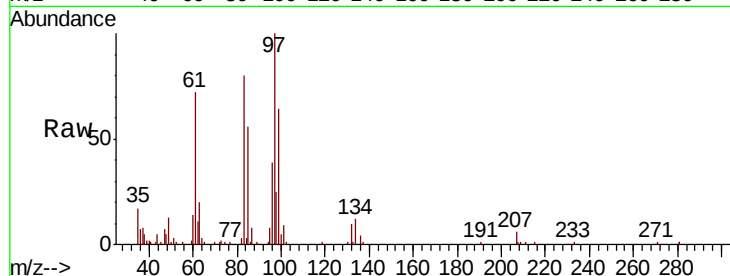
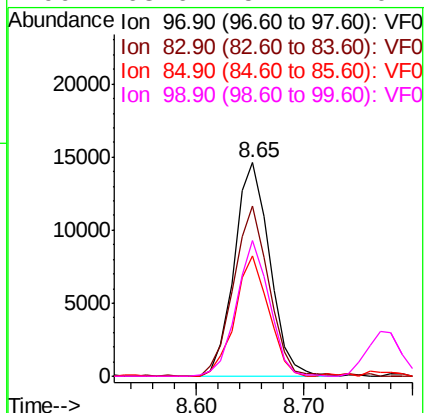
Ion	Ratio	Lower	Upper
97	100		
83	79.8	68.5	102.7
85	56.2	45.4	68.2
99	63.6	52.7	79.1

97 100

83 79.8 68.5 102.7

85 56.2 45.4 68.2

99 63.6 52.7 79.1



#56

Ethyl methacrylate

Concen: 17.170 ug/l

RT: 8.77 min Scan# 836

Delta R.T. 0.01 min

Lab File: VF062498.D

Acq: 12 May 2019 12:57

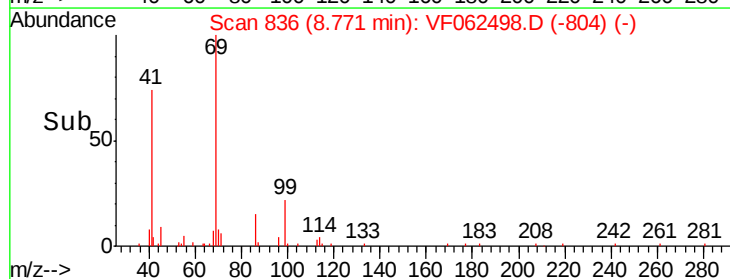
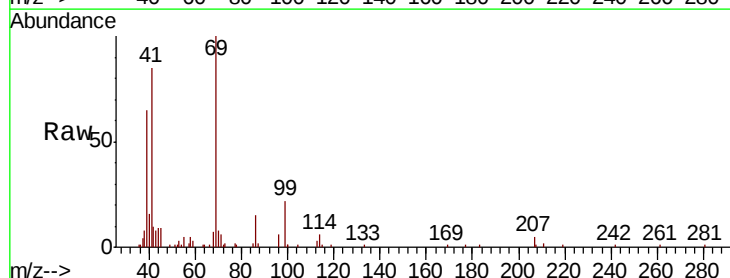
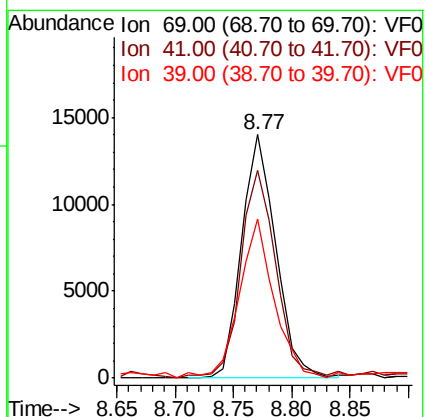
Tgt Ion: 69 Resp: 28605

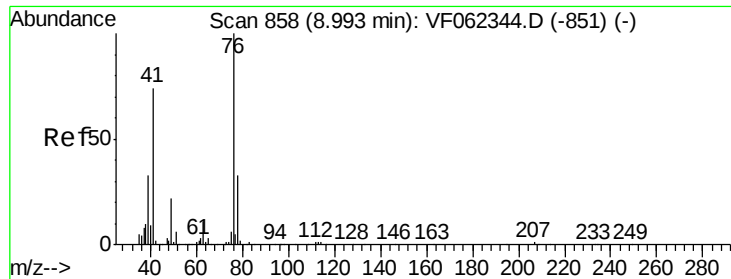
Ion	Ratio	Lower	Upper
69	100		
41	89.2	66.3	99.5
39	66.8	50.1	75.1

69 100

41 89.2 66.3 99.5

39 66.8 50.1 75.1





#57

1,3-Dichloropropane

Concen: 20.940 ug/l

RT: 9.01 min Scan# 860

Delta R.T. 0.01 min

Lab File: VF062498.D

Acq: 12 May 2019 12:57

Instrument :

MSVOA_F

ClientSampleId :

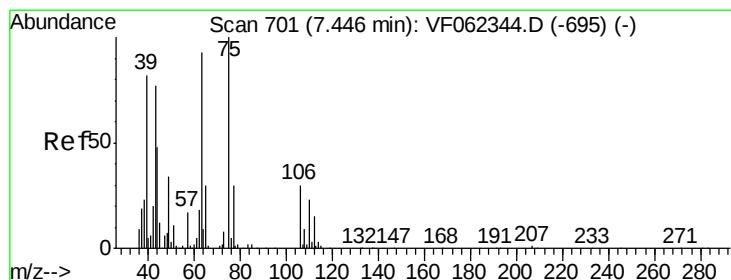
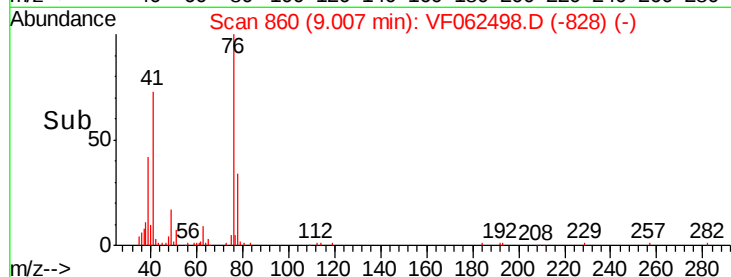
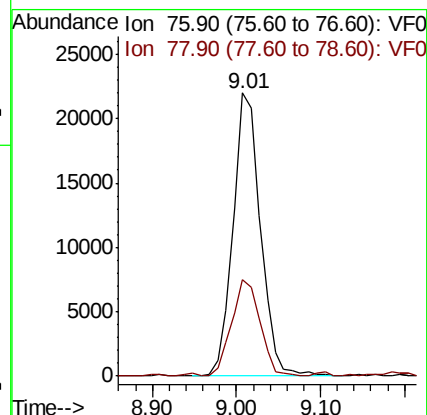
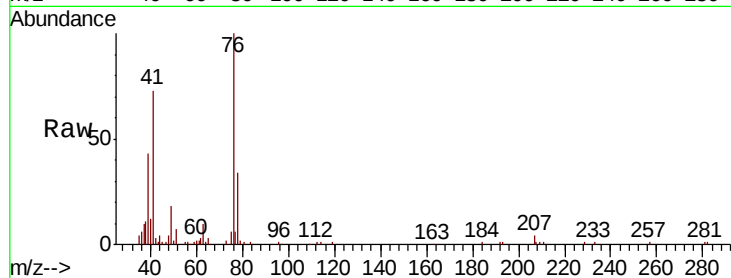
VF0512SBSD01

Tot Ion: 76 Resp: 49919

Ion Ratio Lower Upper

76 100

78 35.1 26.4 39.6



#58

2-Chloroethyl Vinyl ether

Concen: 92.218 ug/l

RT: 7.46 min Scan# 703

Delta R.T. 0.01 min

Lab File: VF062498.D

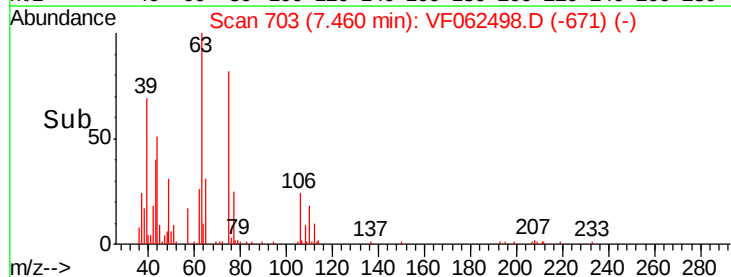
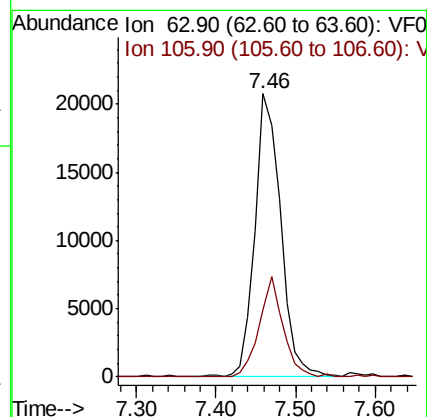
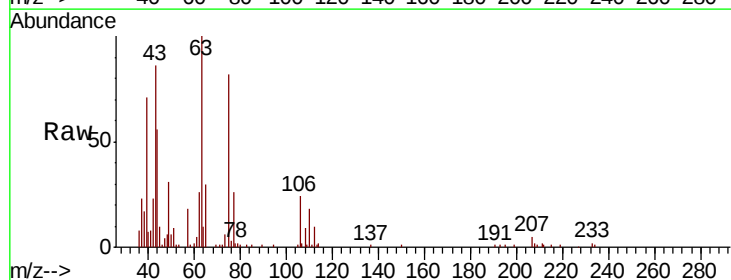
Acq: 12 May 2019 12:57

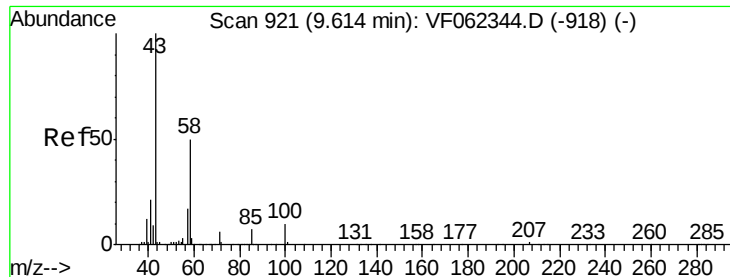
Tgt Ion: 63 Resp: 46188

Ion Ratio Lower Upper

63 100

106 32.5 25.8 38.8

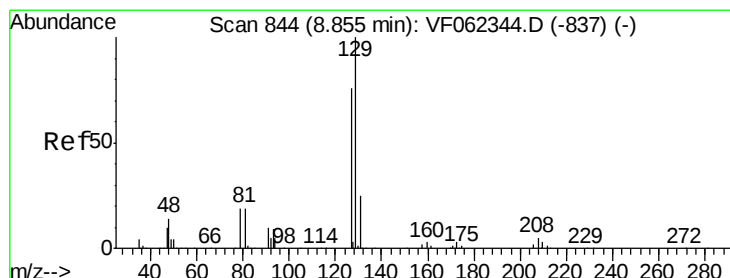
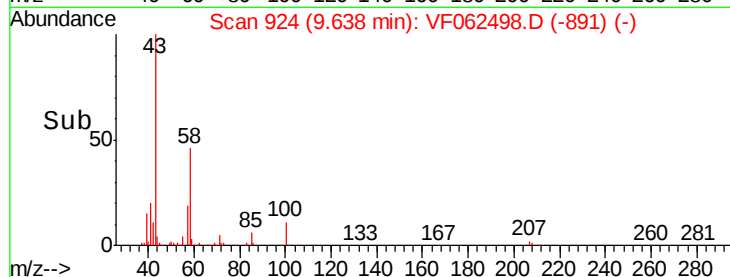
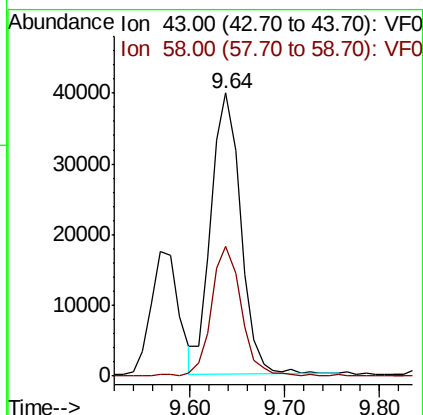
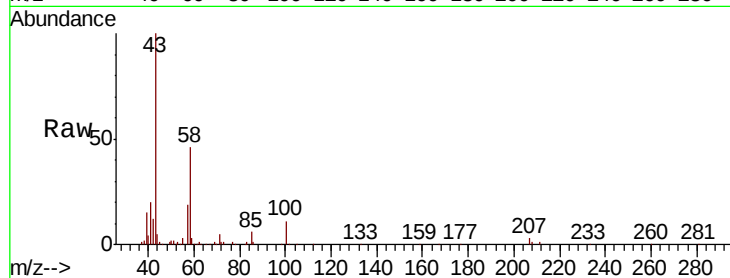




#59
2-Hexanone
Concen: 99.820 ug/l
RT: 9.64 min Scan# 924
Delta R.T. 0.02 min
Lab File: VF062498.D
Acq: 12 May 2019 12:57

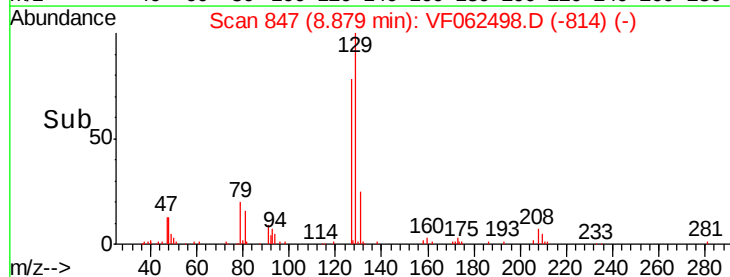
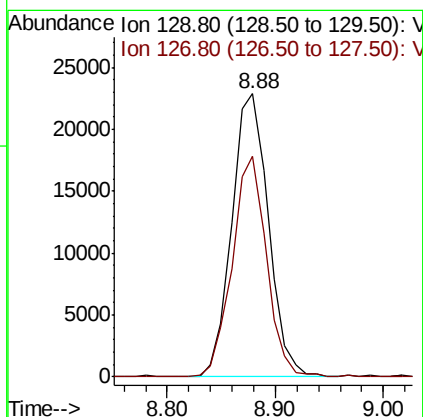
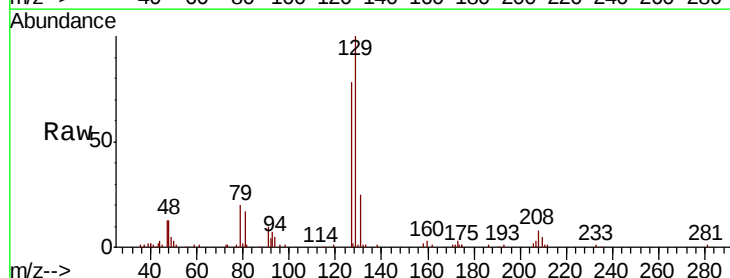
Instrument :
MSVOA_F
ClientSampleId :
VF0512SBSD01

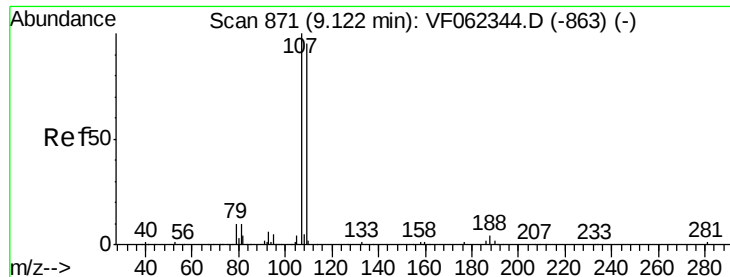
Tot Ion: 43 Resp: 87076
Ion Ratio Lower Upper
43 100
58 46.6 24.3 73.0



#60
Dibromochloromethane
Concen: 20.789 ug/l
RT: 8.88 min Scan# 847
Delta R.T. 0.02 min
Lab File: VF062498.D
Acq: 12 May 2019 12:57

Tgt Ion: 129 Resp: 53661
Ion Ratio Lower Upper
129 100
127 73.5 38.5 115.3





#61

1,2-Dibromoethane

Concen: 20.990 ug/l

RT: 9.15 min Scan# 874

Delta R.T. 0.02 min

Lab File: VF062498.D

Acq: 12 May 2019 12:57

Instrument :

MSVOA_F

ClientSampleId :

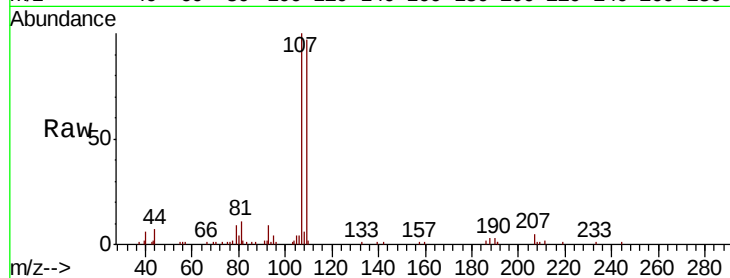
VF0512SBSD01

Tot Ion:107 Resp: 38934

Ion Ratio Lower Upper

107 100

109 90.8 75.2 112.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

20000

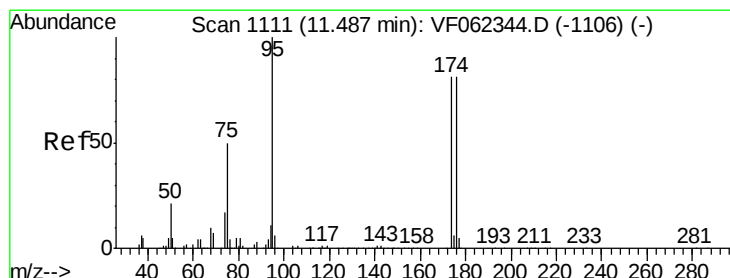
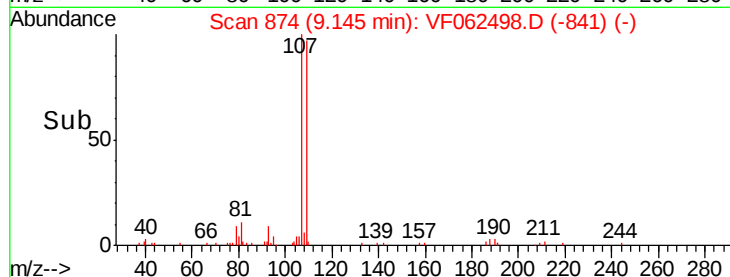
15000

10000

5000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 48.990 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. 0.01 min

Lab File: VF062498.D

Acq: 12 May 2019 12:57

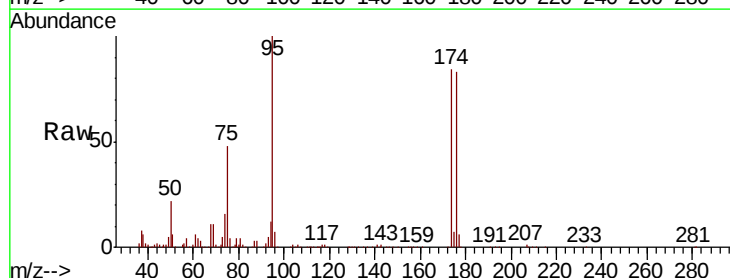
Tgt Ion: 95 Resp: 181586

Ion Ratio Lower Upper

95 100

174 97.6 0.0 191.8

176 96.8 0.0 193.2



Abundance Ion 94.90 (94.60 to 95.60): VF0

Ion 173.80 (173.50 to 174.50): V

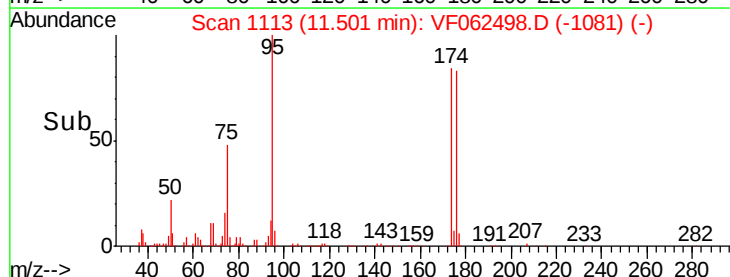
Ion 175.80 (175.50 to 176.50): V

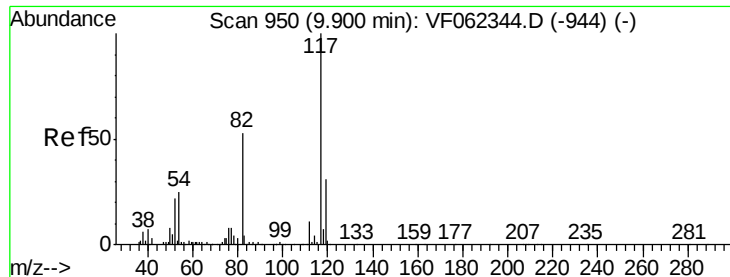
100000

50000

0

Time-->

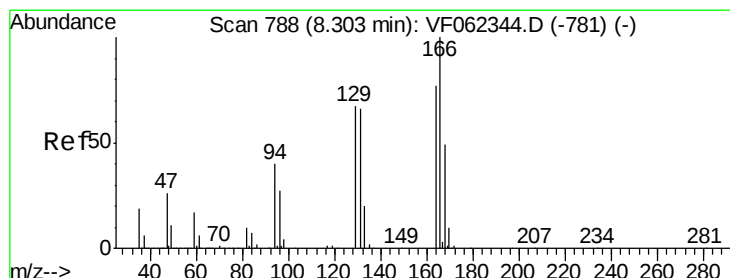
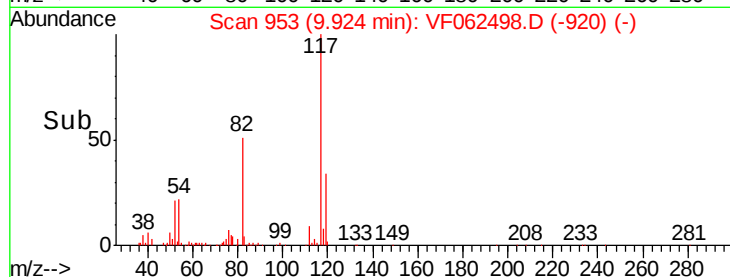
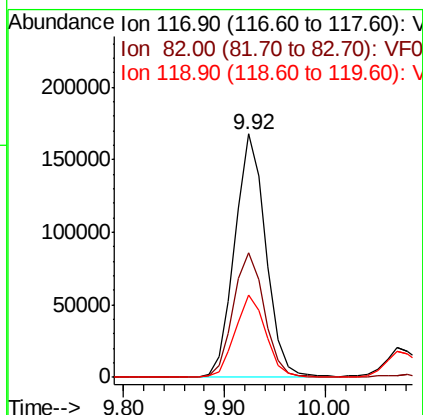
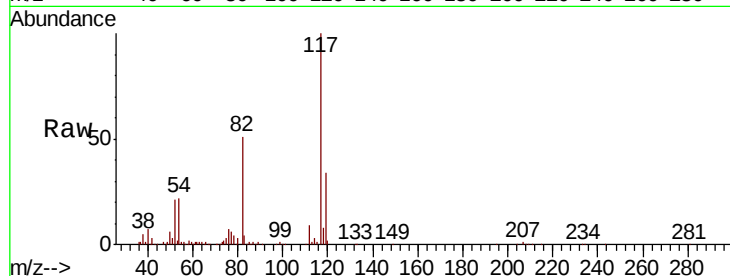




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 953
Delta R.T. 0.02 min
Lab File: VF062498.D
Acq: 12 May 2019 12:57

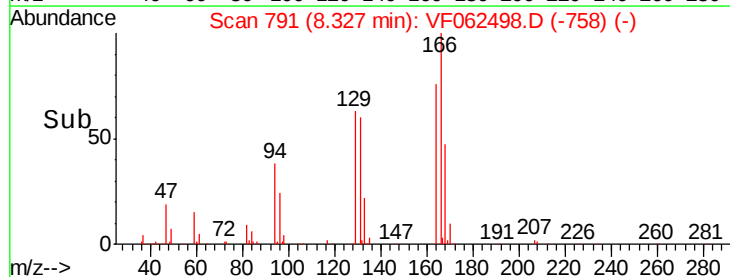
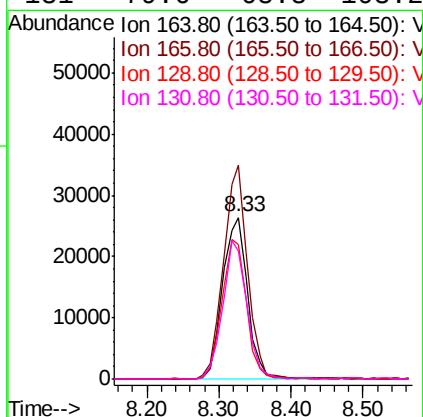
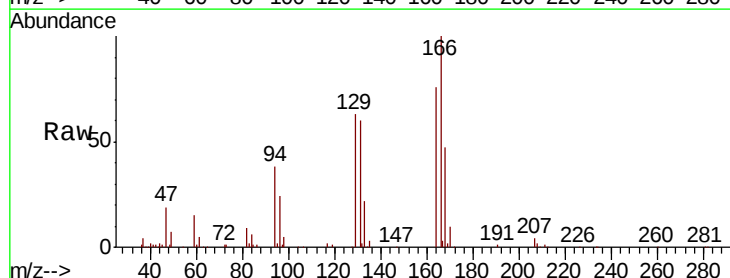
Instrument :
MSVOA_F
ClientSampleId :
VF0512SBSD01

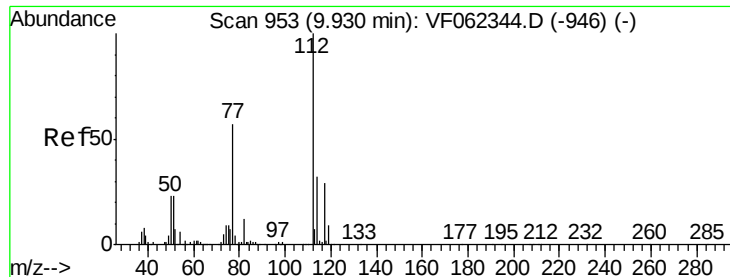
Tot Ion:117 Resp: 359964
Ion Ratio Lower Upper
117 100
82 51.0 42.2 63.2
119 33.6 25.0 37.4



#64
Tetrachloroethene
Concen: 21.603 ug/l
RT: 8.33 min Scan# 791
Delta R.T. 0.02 min
Lab File: VF062498.D
Acq: 12 May 2019 12:57

Tgt Ion:164 Resp: 63130
Ion Ratio Lower Upper
164 100
166 132.2 104.2 156.4
129 83.1 69.6 104.4
131 79.6 68.8 103.2





#65

Chlorobenzene

Concen: 22.375 ug/l

RT: 9.94 min Scan# 955

Delta R.T. 0.01 min

Lab File: VF062498.D

Acq: 12 May 2019 12:57

Instrument :

MSVOA_F

ClientSampleId :

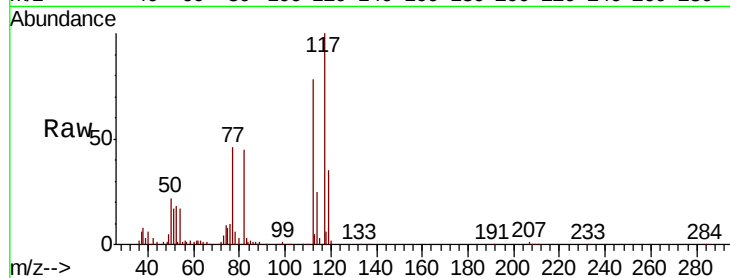
VF0512SBSD01

Tot Ion:112 Resp: 133263

Ion Ratio Lower Upper

112 100

114 31.7 25.4 38.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

60000

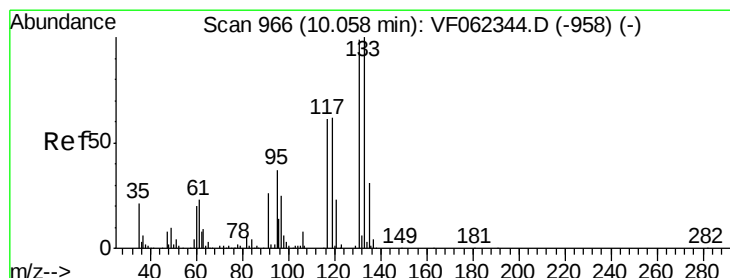
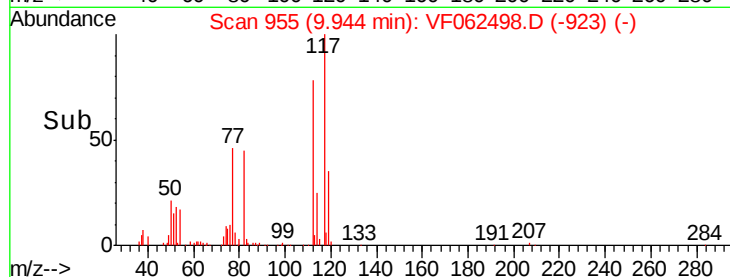
40000

20000

0

9.94

Time--> 9.80 9.90 10.00 10.10



#66

1,1,1,2-Tetrachloroethane

Concen: 21.986 ug/l

RT: 10.07 min Scan# 968

Delta R.T. 0.01 min

Lab File: VF062498.D

Acq: 12 May 2019 12:57

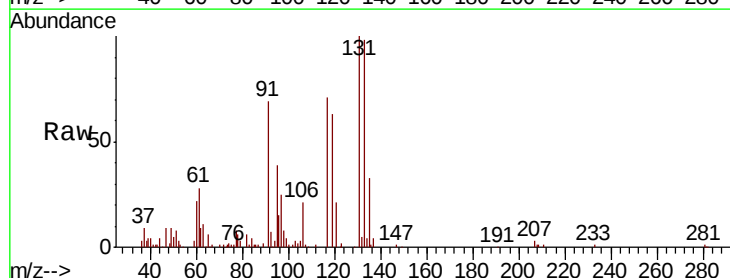
Tgt Ion:131 Resp: 66058

Ion Ratio Lower Upper

131 100

133 102.0 50.2 150.7

119 64.4 31.6 95.0



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

40000

30000

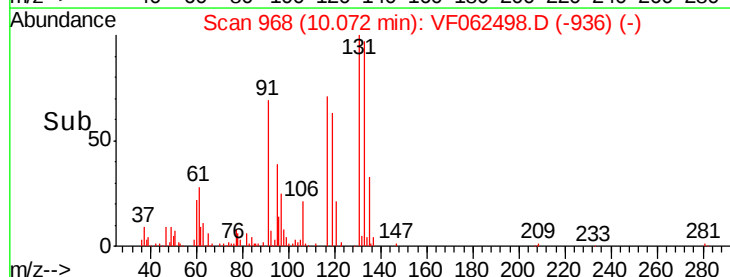
20000

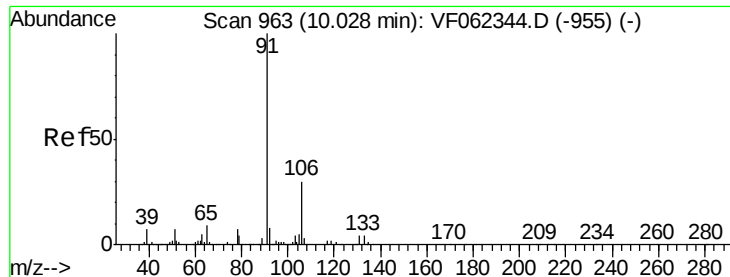
10000

0

10.07

Time--> 10.00 10.10 10.20





#67

Ethyl Benzene

Concen: 23.094 ug/l

RT: 10.04 min Scan# 965

Delta R.T. 0.01 min

Lab File: VF062498.D

Acq: 12 May 2019 12:57

Instrument :

MSVOA_F

ClientSampleId :

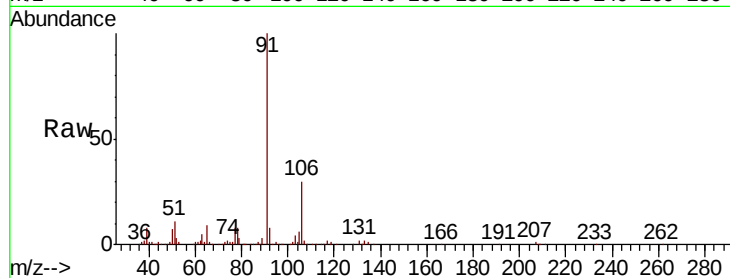
VF0512SBSD01

Tot Ion: 91 Resp: 240856

Ion Ratio Lower Upper

91 100

106 29.9 24.1 36.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V

120000

100000

80000

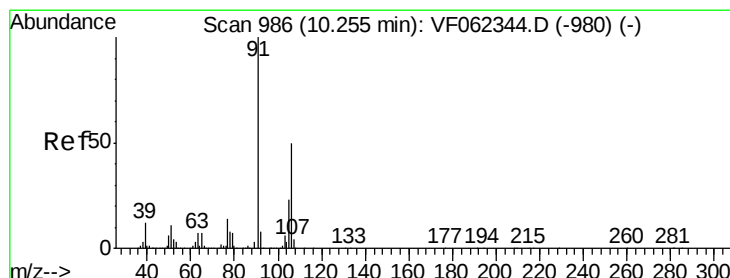
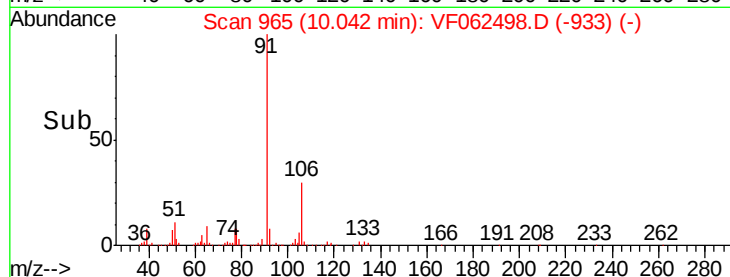
60000

40000

20000

0

Time--> 9.90 10.00 10.10 10.20



#68

m/p-Xylenes

Concen: 46.567 ug/l

RT: 10.27 min Scan# 988

Delta R.T. 0.01 min

Lab File: VF062498.D

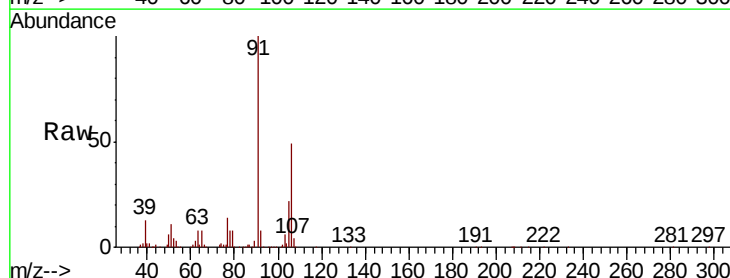
Acq: 12 May 2019 12:57

Tgt Ion: 106 Resp: 179188

Ion Ratio Lower Upper

106 100

91 209.4 167.4 251.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

200000

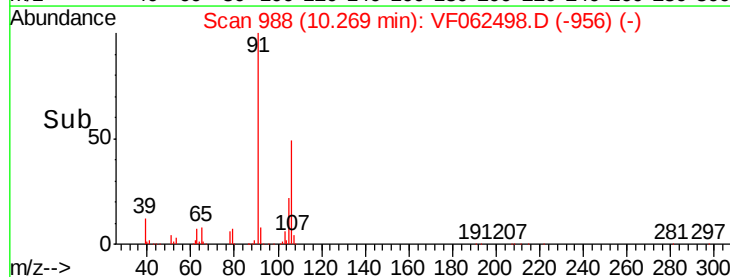
150000

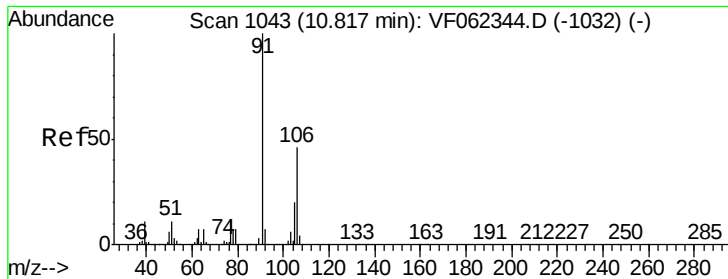
100000

50000

0

Time--> 10.20 10.30 10.40

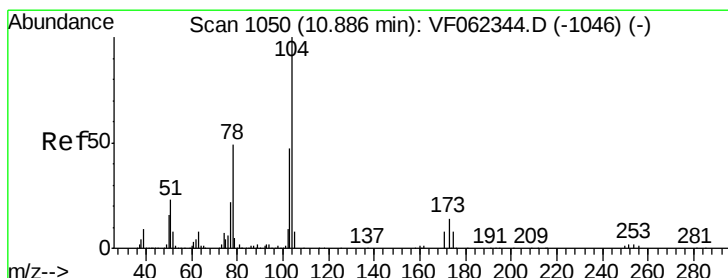
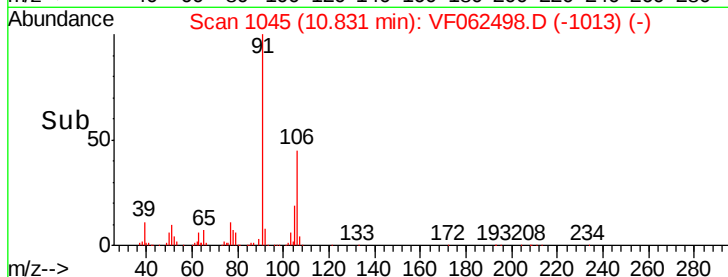
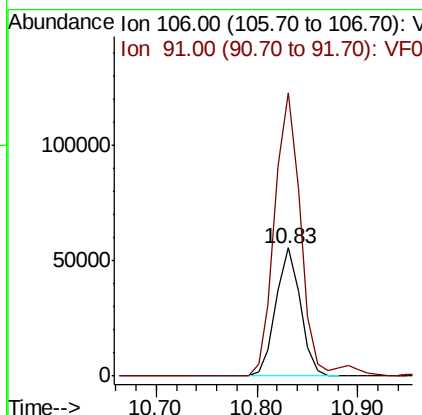
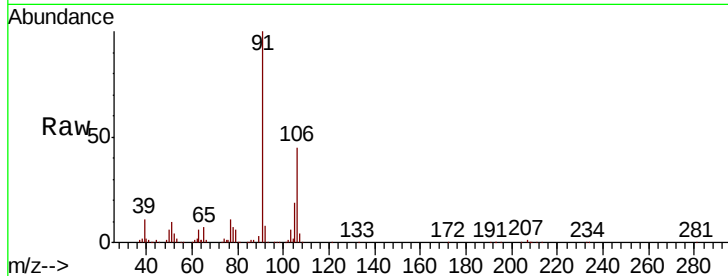




#69
o-Xylene
Concen: 22.682 ug/l
RT: 10.83 min Scan# 1045
Delta R.T. 0.01 min
Lab File: VF062498.D
Acq: 12 May 2019 12:57

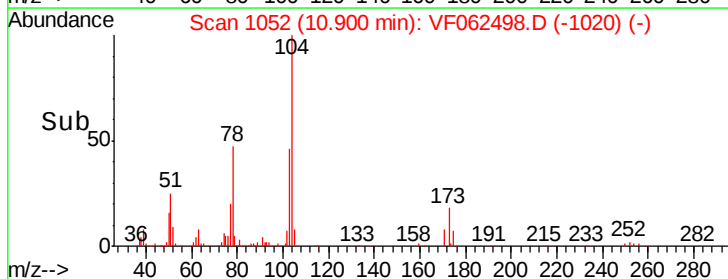
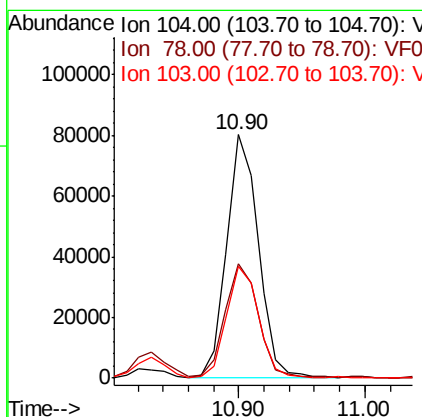
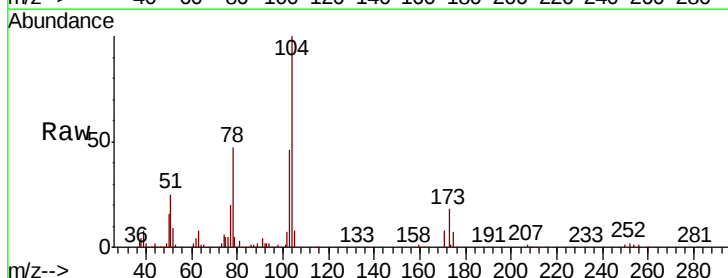
Instrument :
MSVOA_F
ClientSampleId :
VF0512SBSD01

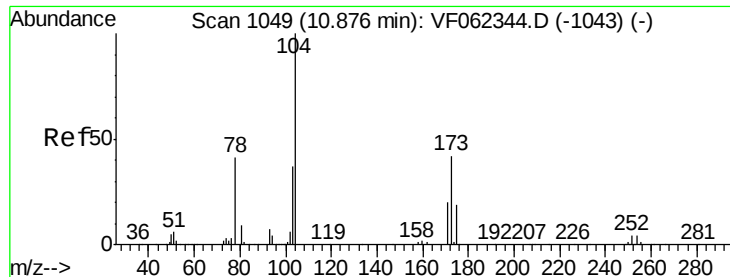
Tot Ion:106 Resp: 94311
Ion Ratio Lower Upper
106 100
91 229.1 111.3 333.8



#70
Styrene
Concen: 22.181 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. 0.01 min
Lab File: VF062498.D
Acq: 12 May 2019 12:57

Tgt Ion:104 Resp: 138223
Ion Ratio Lower Upper
104 100
78 49.3 39.5 59.3
103 47.2 38.4 57.6





#71

Bromoform

Concen: 19.640 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. 0.01 min

Lab File: VF062498.D

Acq: 12 May 2019 12:57

Instrument :

MSVOA_F

ClientSampleId :

VF0512SBSD01

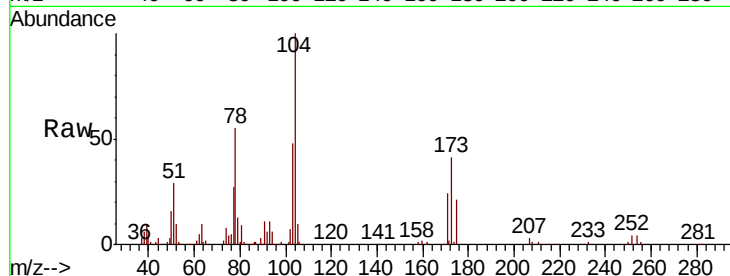
Tot Ion:173 Resp: 32328

Ion Ratio Lower Upper

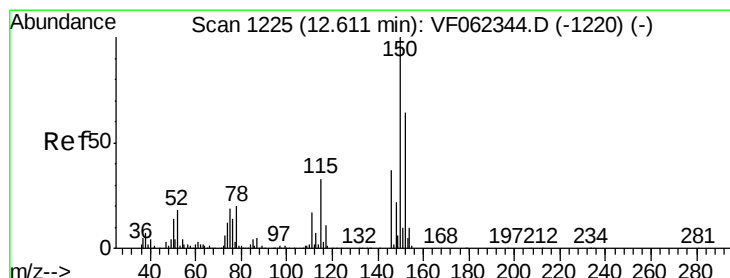
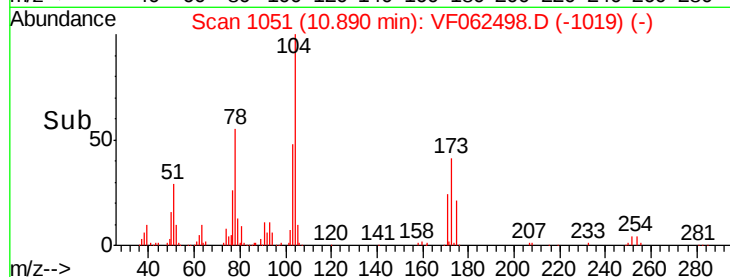
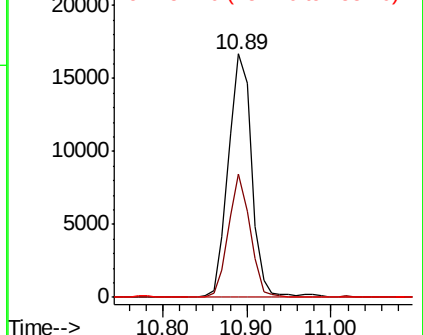
173 100

175 46.6 23.8 71.2

254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.62 min Scan# 1227

Delta R.T. 0.01 min

Lab File: VF062498.D

Acq: 12 May 2019 12:57

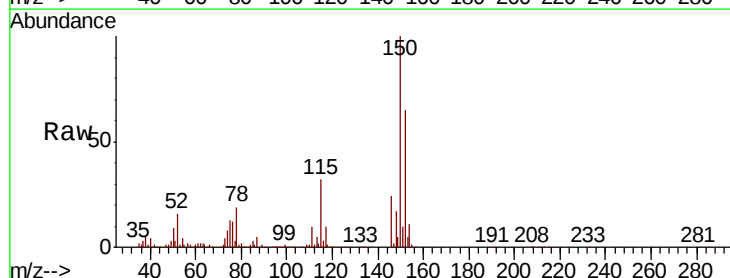
Tgt Ion:152 Resp: 238636

Ion Ratio Lower Upper

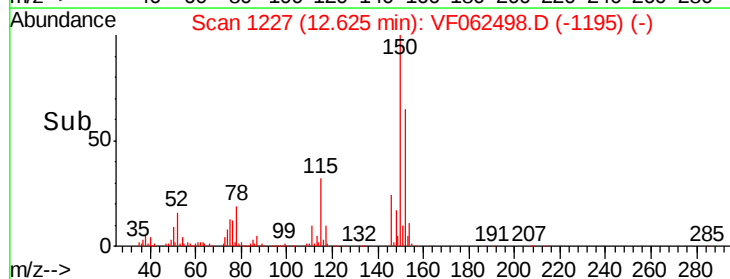
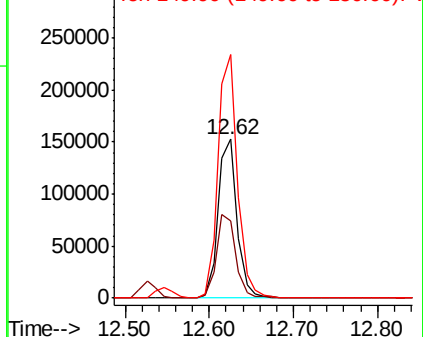
152 100

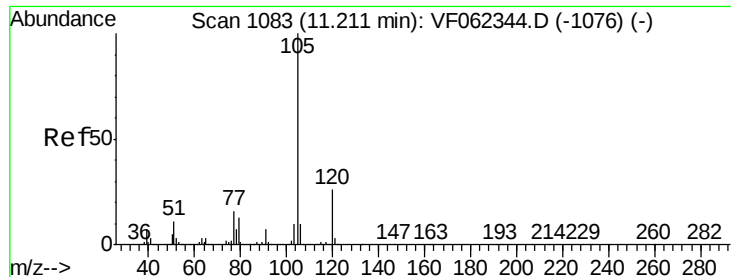
115 53.6 26.4 79.2

150 156.6 0.0 335.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.663 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. 0.01 min

Lab File: VF062498.D

Acq: 12 May 2019 12:57

Instrument :

MSVOA_F

ClientSampleId :

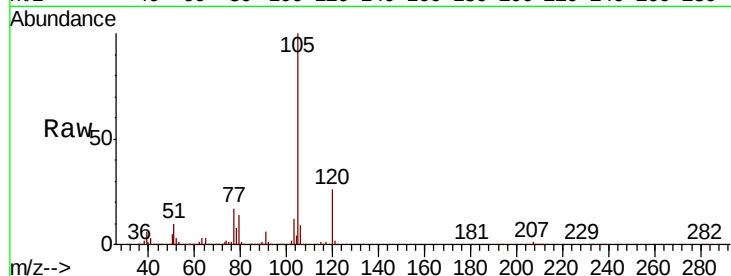
VF0512SBS01

Tot Ion: 105 Resp: 306471

Ion Ratio Lower Upper

105 100

120 25.4 12.7 38.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.23

200000

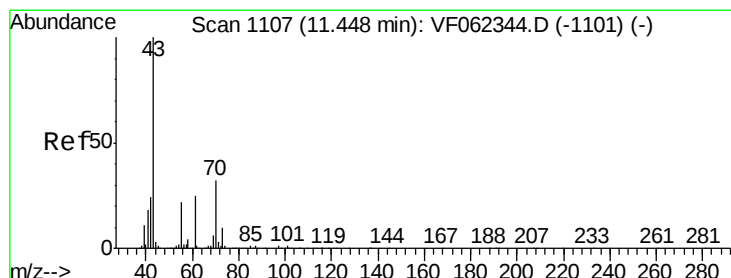
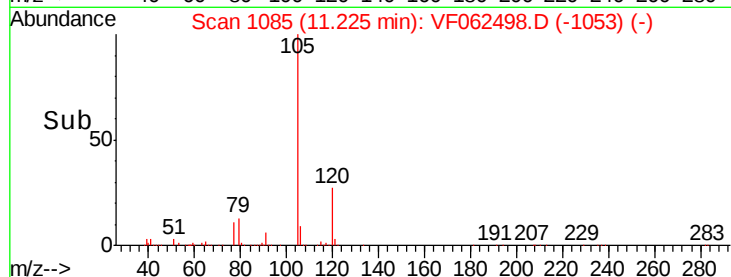
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 19.920 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. 0.01 min

Lab File: VF062498.D

Acq: 12 May 2019 12:57

Tgt Ion: 43 Resp: 60502

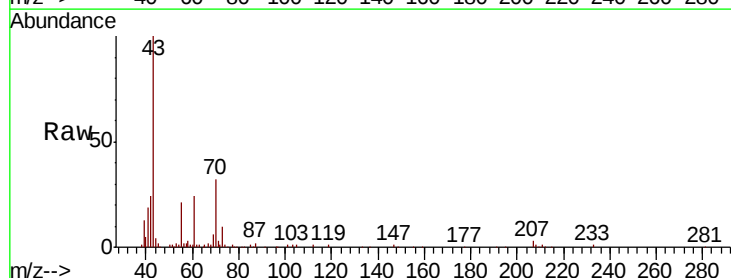
Ion Ratio Lower Upper

43 100

70 35.6 26.5 39.7

55 24.0 17.8 26.6

61 23.5 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

11.46

50000

40000

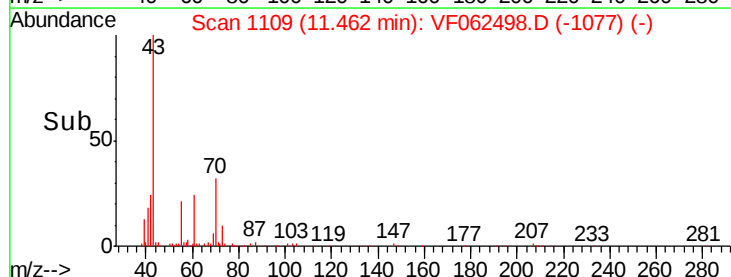
30000

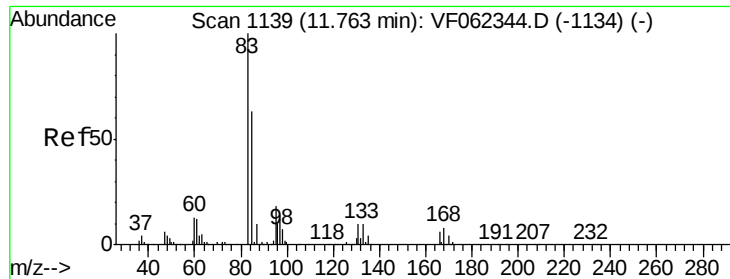
20000

10000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.151 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. 0.01 min

Lab File: VF062498.D

Acq: 12 May 2019 12:57

Instrument :

MSVOA_F

ClientSampleId :

VF0512SBSD01

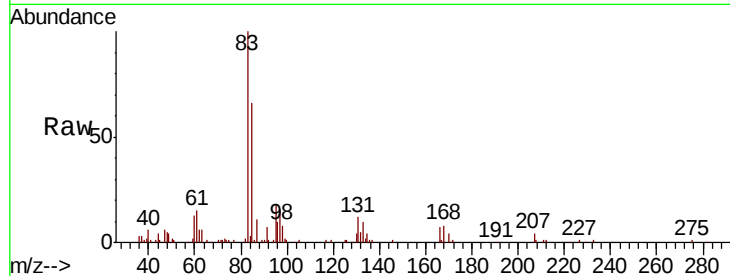
Tot Ion: 83 Resp: 42421

Ion	Ratio	Lower	Upper
83	100		
131	11.9	5.8	17.4
85	69.8	35.3	105.7

83 100

131 11.9 5.8 17.4

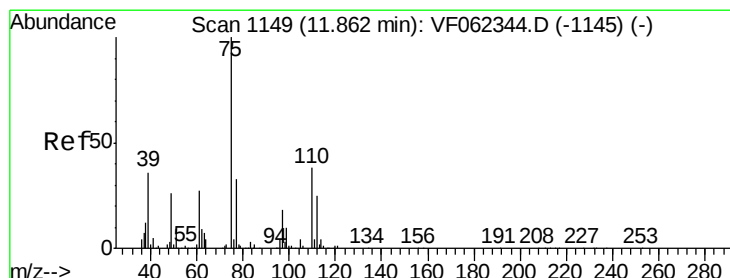
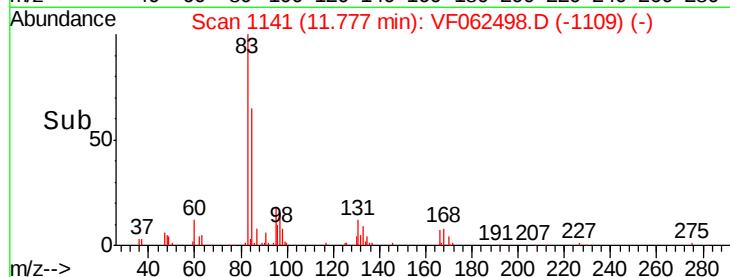
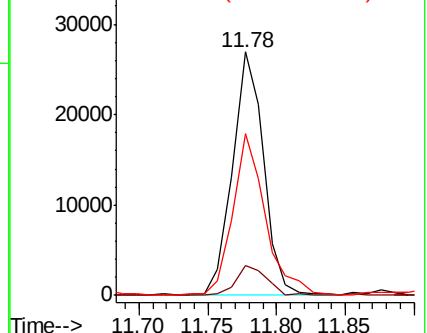
85 69.8 35.3 105.7



Abundance Ion 82.90 (82.60 to 83.60): VF0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VF0



#76

1,2,3-Trichloropropane

Concen: 19.534 ug/l

RT: 11.88 min Scan# 1151

Delta R.T. 0.01 min

Lab File: VF062498.D

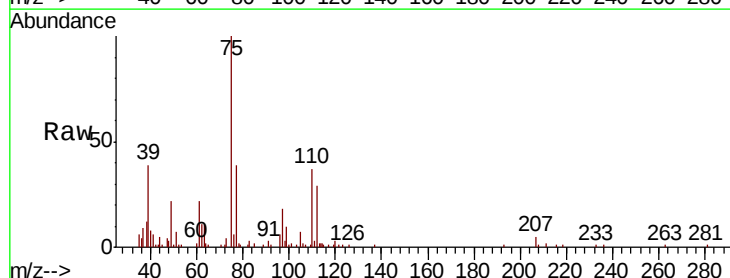
Acq: 12 May 2019 12:57

Tgt Ion: 75 Resp: 33013

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

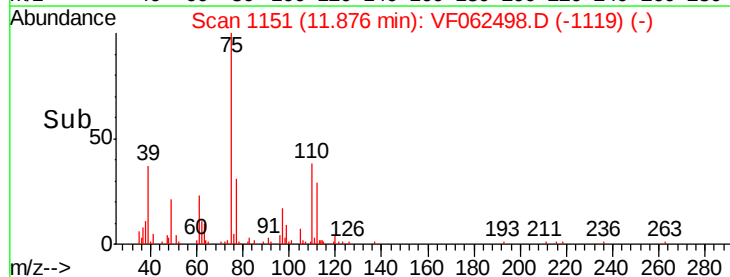
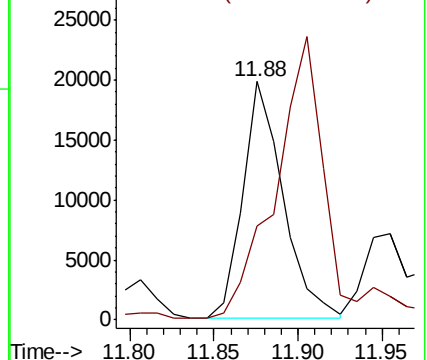
75 100

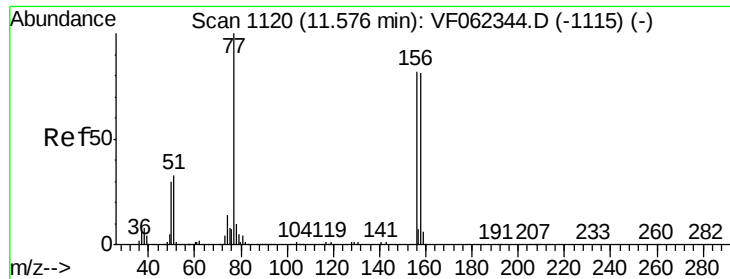
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 19.787 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. 0.01 min

Lab File: VF062498.D

Acq: 12 May 2019 12:57

Instrument :

MSVOA_F

ClientSampleId :

VF0512SBSD01

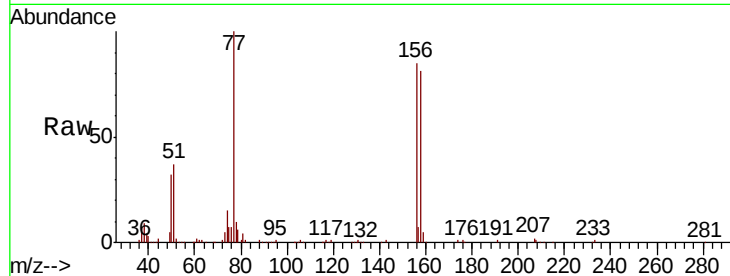
Tot Ion:156 Resp: 73466

Ion Ratio Lower Upper

156 100

77 132.5 64.8 194.3

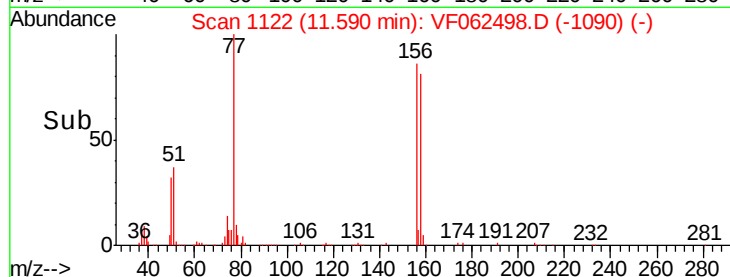
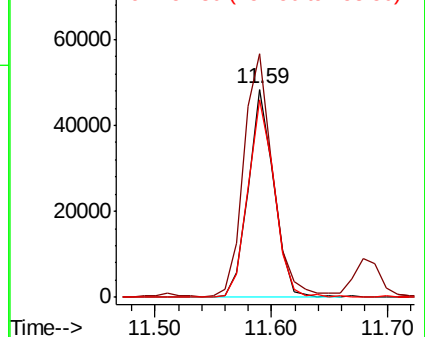
158 99.4 49.1 147.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.375 ug/l

RT: 11.68 min Scan# 1131

Delta R.T. 0.01 min

Lab File: VF062498.D

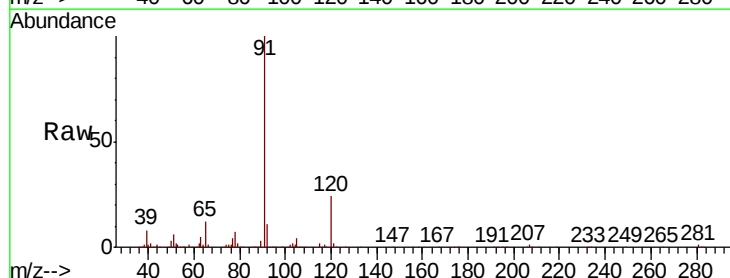
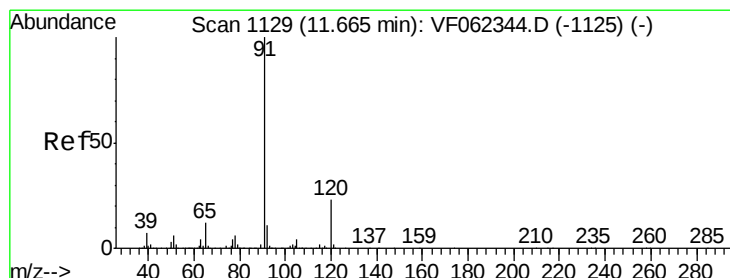
Acq: 12 May 2019 12:57

Tgt Ion: 91 Resp: 321945

Ion Ratio Lower Upper

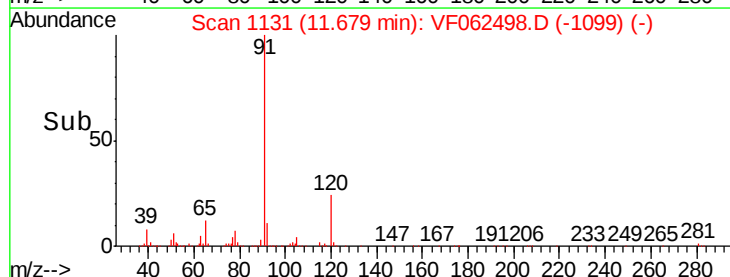
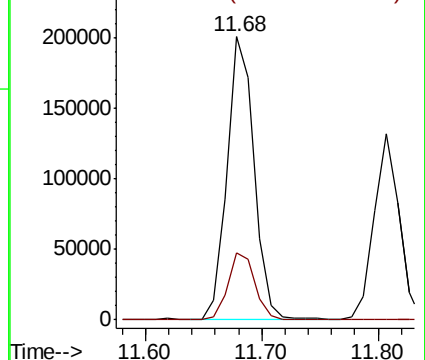
91 100

120 23.7 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.064 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. 0.01 min

Lab File: VF062498.D

Acq: 12 May 2019 12:57

Instrument :

MSVOA_F

ClientSampleId :

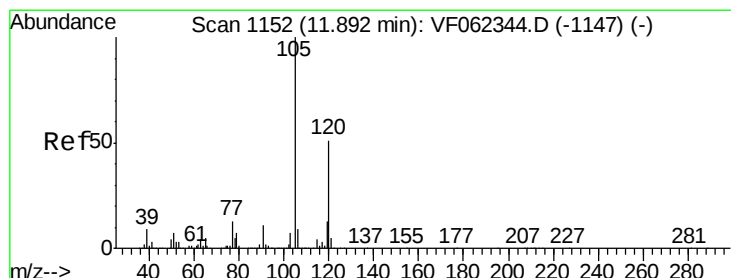
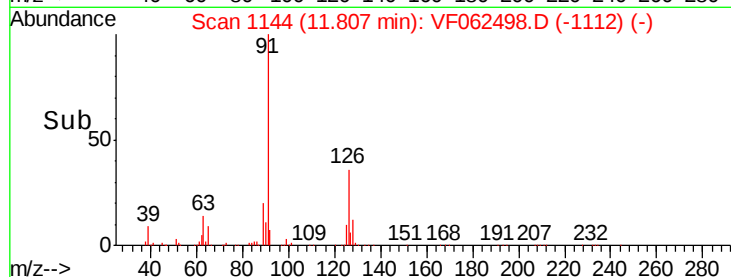
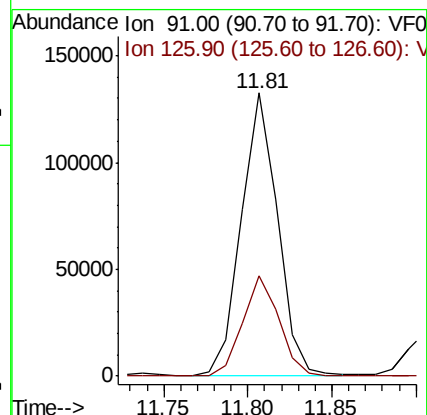
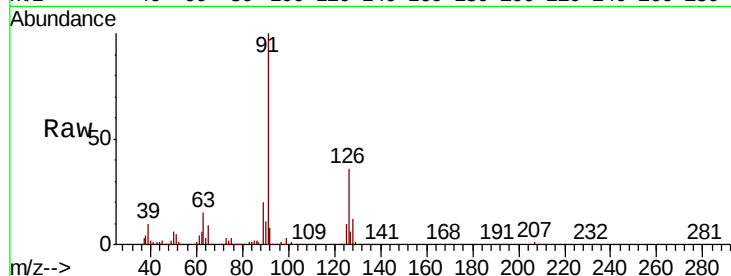
VF0512SBSD01

Tot Ion: 91 Resp: 197280

Ion Ratio Lower Upper

91 100

126 35.8 17.8 53.4



#80

1,3,5-Trimethylbenzene

Concen: 22.072 ug/l

RT: 11.91 min Scan# 1154

Delta R.T. 0.01 min

Lab File: VF062498.D

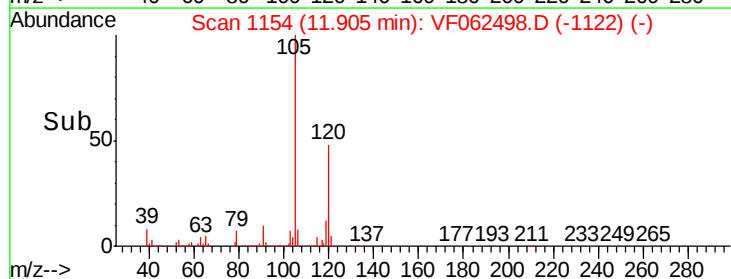
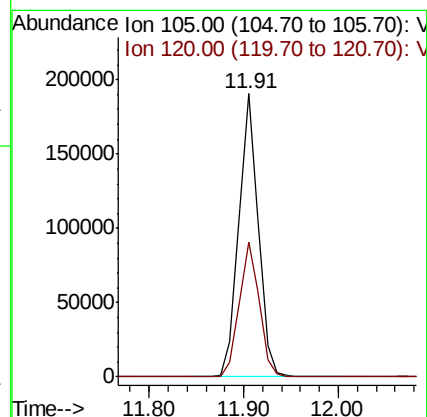
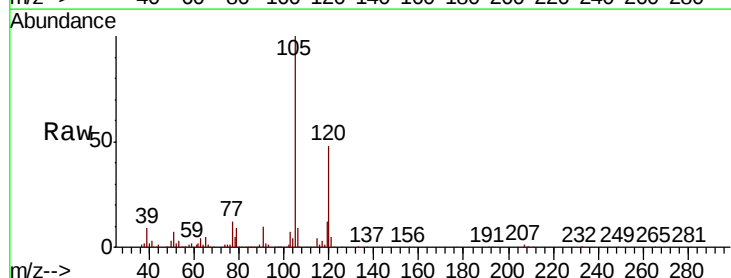
Acq: 12 May 2019 12:57

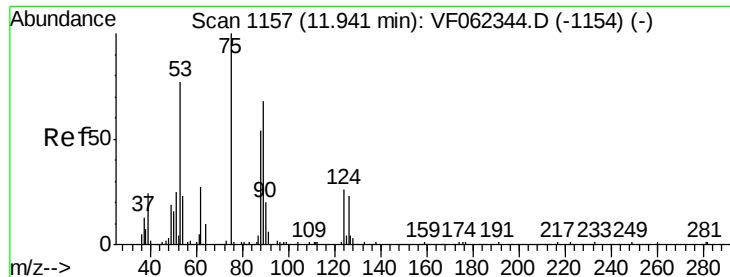
Tgt Ion:105 Resp: 273692

Ion Ratio Lower Upper

105 100

120 48.9 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 27.319 ug/l

RT: 11.95 min Scan# 1159

Delta R.T. 0.01 min

Lab File: VF062498.D

Acq: 12 May 2019 12:57

Instrument :

MSVOA_F

ClientSampleId :

VF0512SBSD01

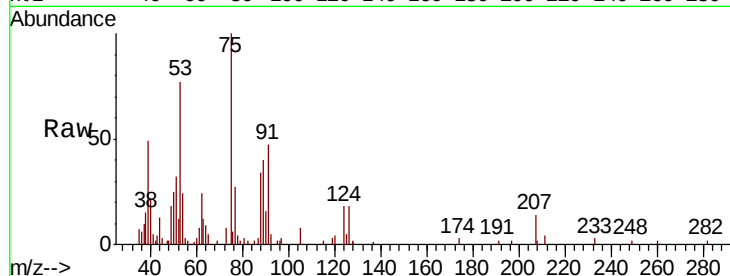
Tot Ion: 75 Resp: 17354

Ion Ratio Lower Upper

75 100

53 58.2 71.9 107.9#

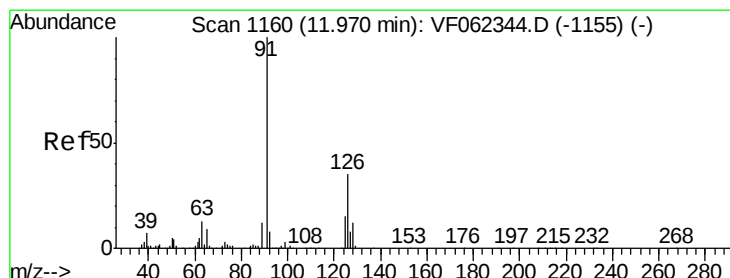
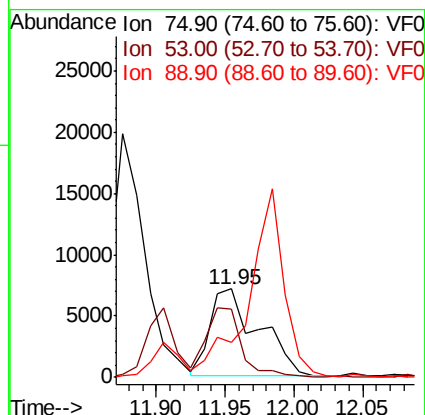
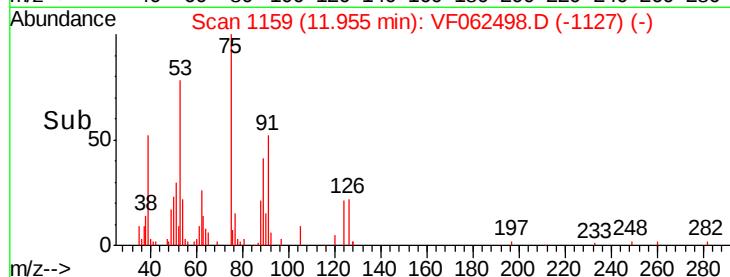
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 88.90 (88.60 to 89.60): VF0



#82

4-Chlorotoluene

Concen: 20.992 ug/l

RT: 11.98 min Scan# 1162

Delta R.T. 0.01 min

Lab File: VF062498.D

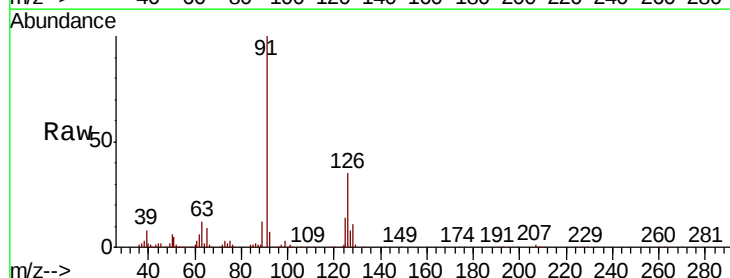
Acq: 12 May 2019 12:57

Tgt Ion: 91 Resp: 194180

Ion Ratio Lower Upper

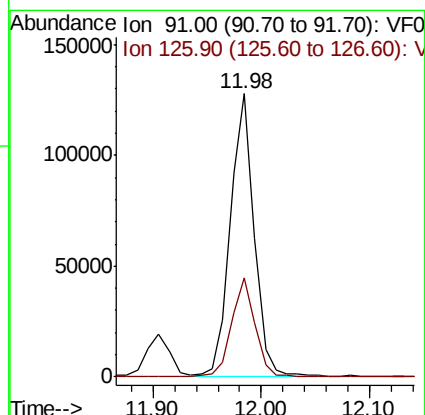
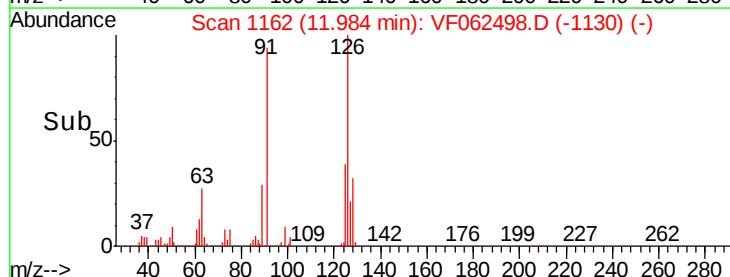
91 100

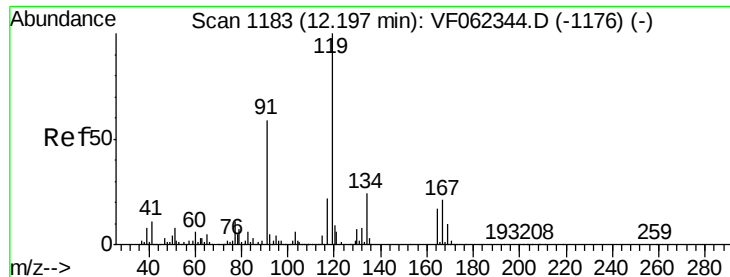
126 35.6 17.7 53.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 125.90 (125.60 to 126.60): V

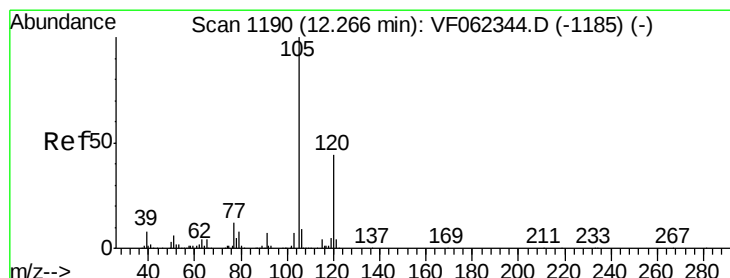
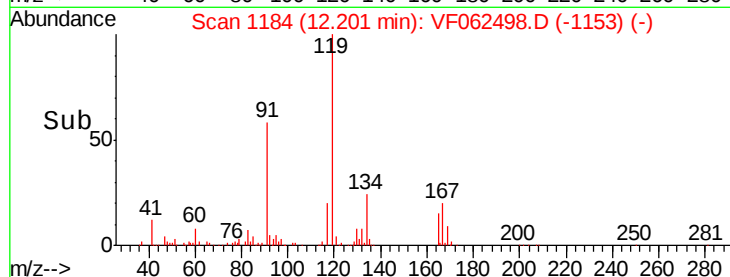
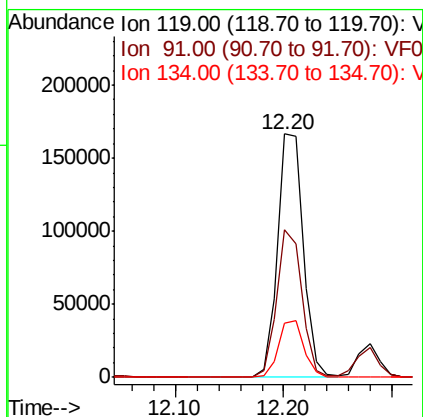
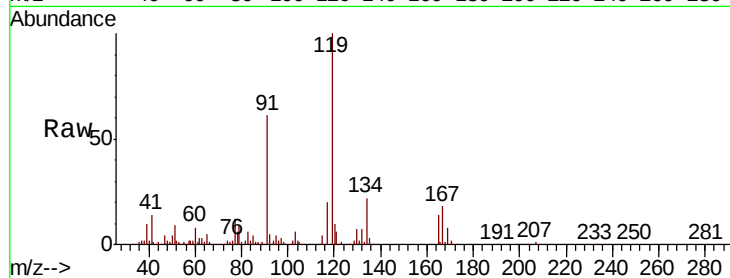




#83
tert-Butylbenzene
Concen: 21.167 ug/l
RT: 12.20 min Scan# 1184
Delta R.T. 0.00 min
Lab File: VF062498.D
Acq: 12 May 2019 12:57

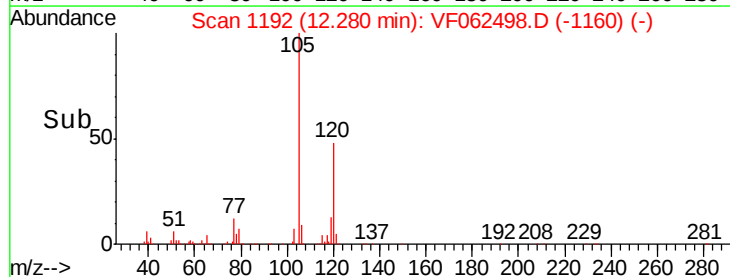
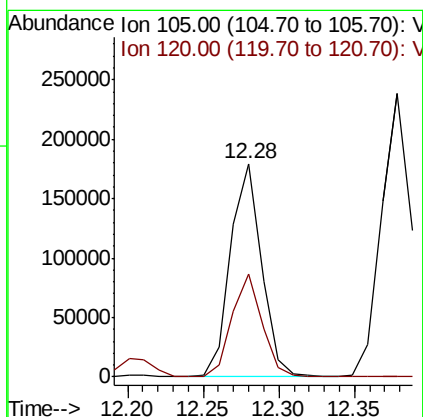
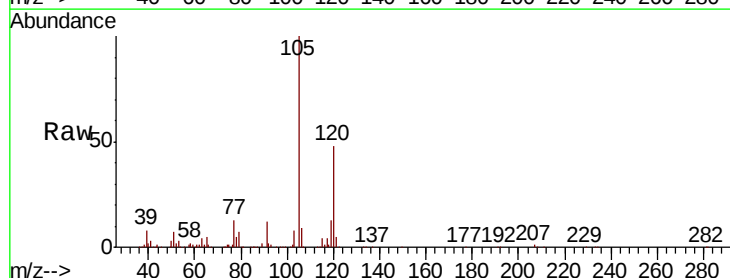
Instrument :
MSVOA_F
ClientSampleId :
VF0512SBS01

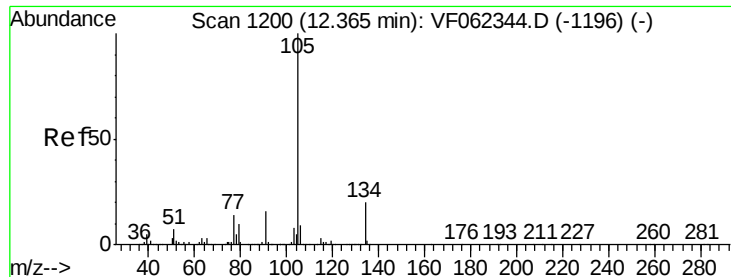
Tot Ion:119 Resp: 275848
Ion Ratio Lower Upper
119 100
91 58.9 30.4 91.3
134 23.2 11.9 35.7



#84
1,2,4-Trimethylbenzene
Concen: 21.179 ug/l
RT: 12.28 min Scan# 1192
Delta R.T. 0.01 min
Lab File: VF062498.D
Acq: 12 May 2019 12:57

Tgt Ion:105 Resp: 257005
Ion Ratio Lower Upper
105 100
120 46.7 22.6 67.7





#85

sec-Butylbenzene

Concen: 21.293 ug/l

RT: 12.38 min Scan# 1202

Delta R.T. 0.01 min

Lab File: VF062498.D

Acq: 12 May 2019 12:57

Instrument :

MSVOA_F

ClientSampleId :

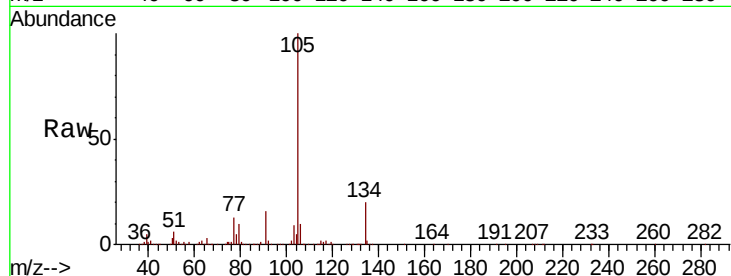
VF0512SBSD01

Tot Ion:105 Resp: 337745

Ion Ratio Lower Upper

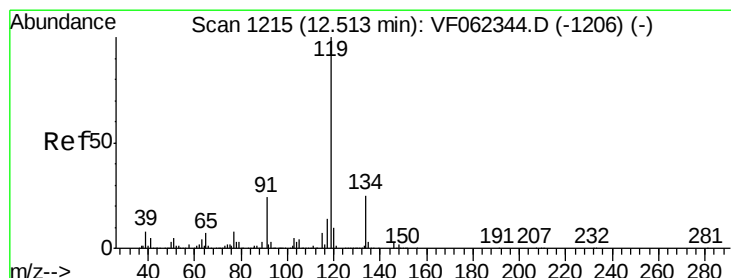
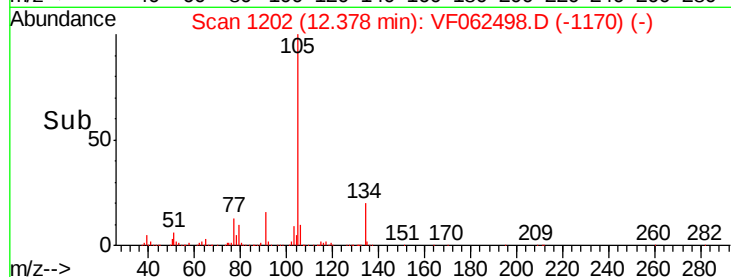
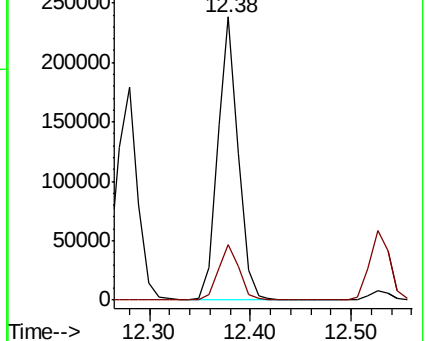
105 100

134 20.0 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 22.133 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. 0.01 min

Lab File: VF062498.D

Acq: 12 May 2019 12:57

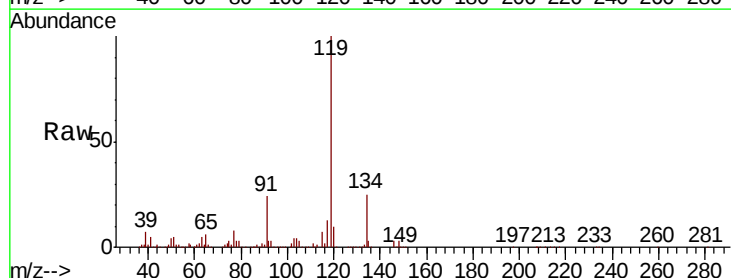
Tgt Ion:119 Resp: 326183

Ion Ratio Lower Upper

119 100

134 25.1 12.9 38.7

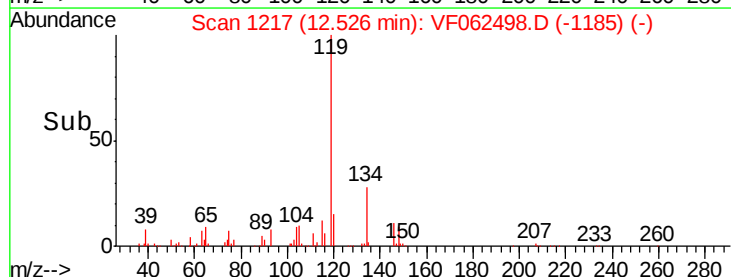
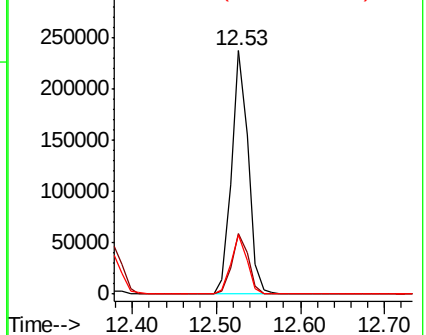
91 23.8 12.3 36.8

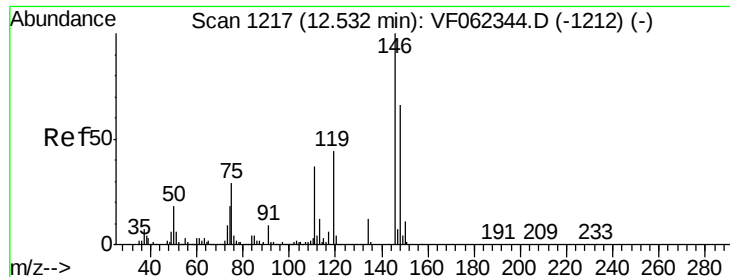


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

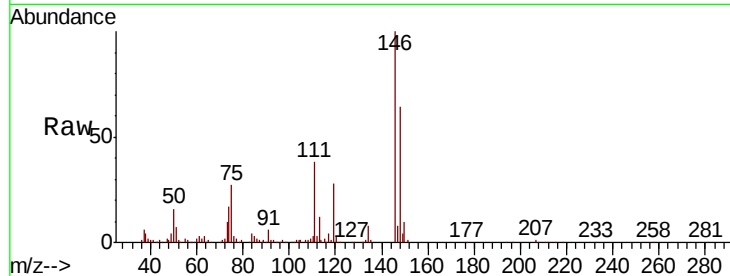




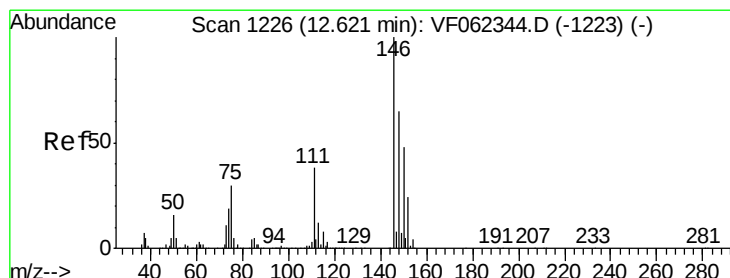
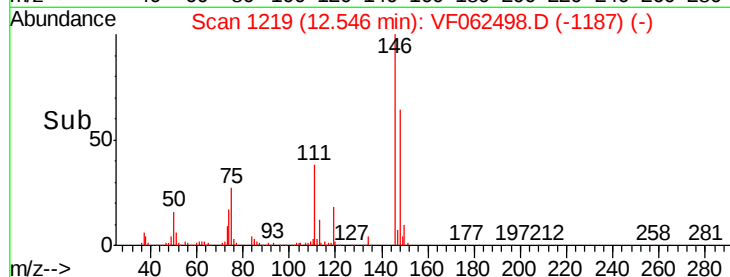
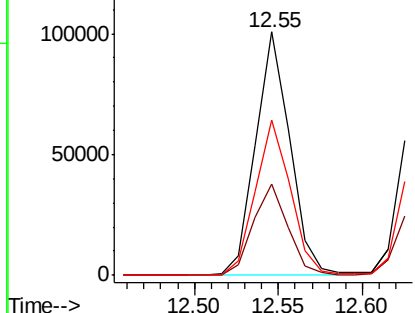
#87
 1,3-Dichlorobenzene
 Concen: 21.157 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. 0.01 min
 Lab File: VF062498.D
 Acq: 12 May 2019 12:57

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0512SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.3	54.8
148	65.4	32.3	96.9

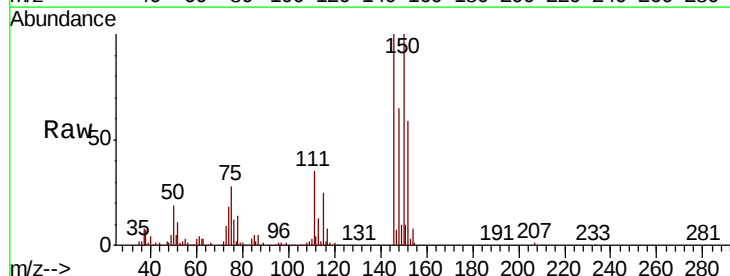


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

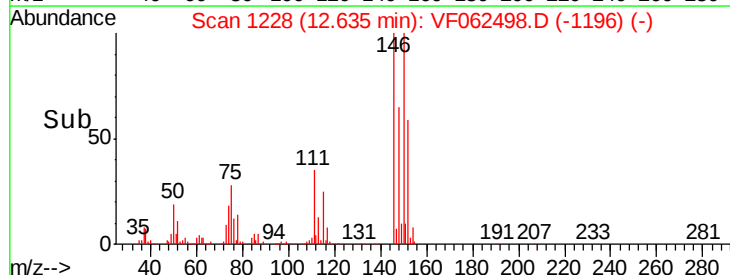
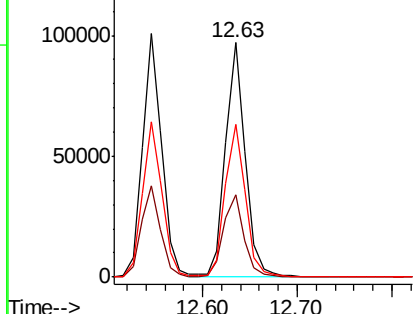


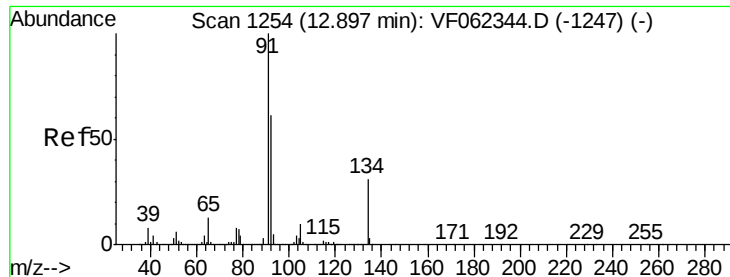
#88
 1,4-Dichlorobenzene
 Concen: 21.447 ug/l
 RT: 12.63 min Scan# 1228
 Delta R.T. 0.01 min
 Lab File: VF062498.D
 Acq: 12 May 2019 12:57

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.7	18.8	56.3
148	66.7	32.2	96.6



Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 22.504 ug/l

RT: 12.90 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VF062498.D

Acq: 12 May 2019 12:57

Instrument :

MSVOA_F

ClientSampleId :

VF0512SBSD01

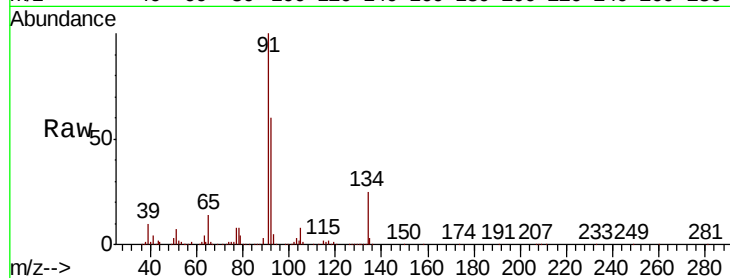
Tot Ion: 91 Resp: 295062

Ion Ratio Lower Upper

91 100

92 58.1 30.0 90.0

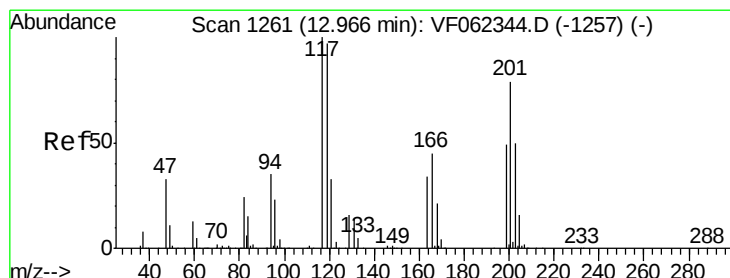
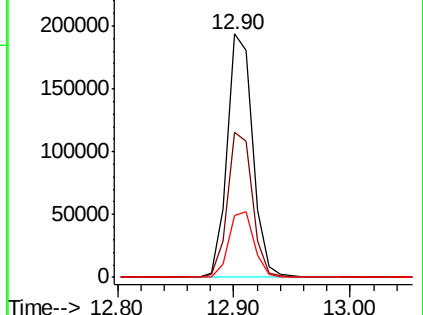
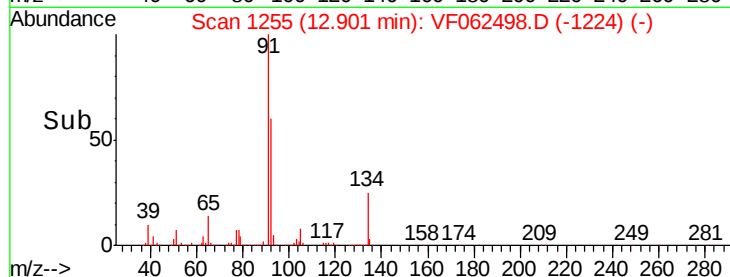
134 26.7 14.1 42.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 19.936 ug/l

RT: 12.98 min Scan# 1263

Delta R.T. 0.01 min

Lab File: VF062498.D

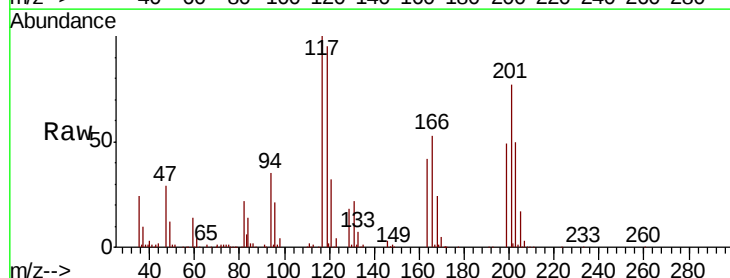
Acq: 12 May 2019 12:57

Tgt Ion: 117 Resp: 73357

Ion Ratio Lower Upper

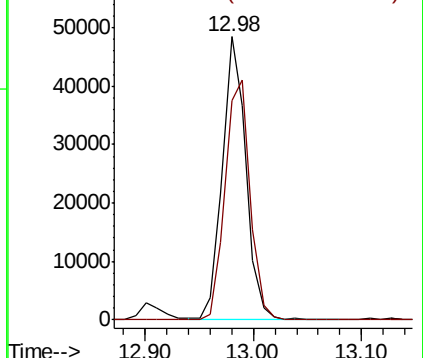
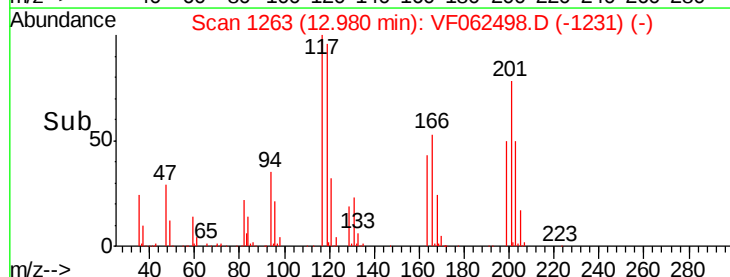
117 100

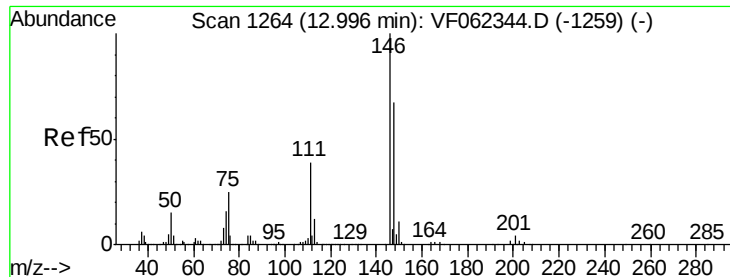
201 89.9 46.2 138.5



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

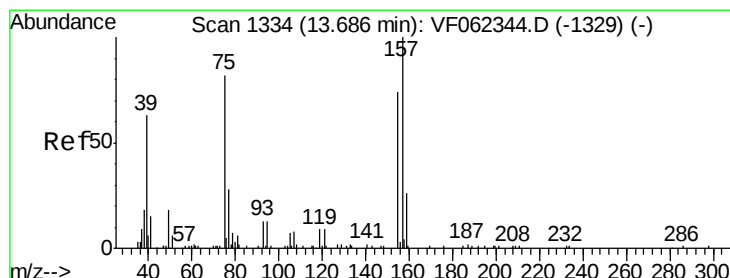
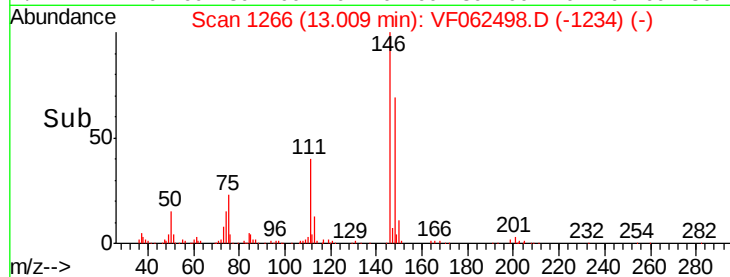
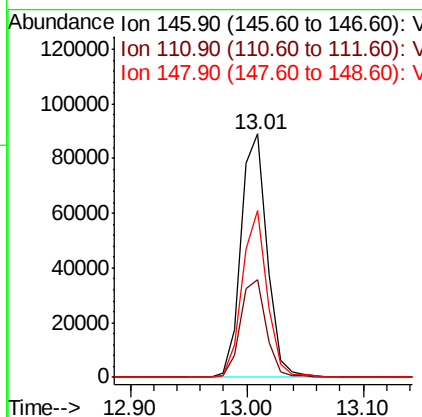
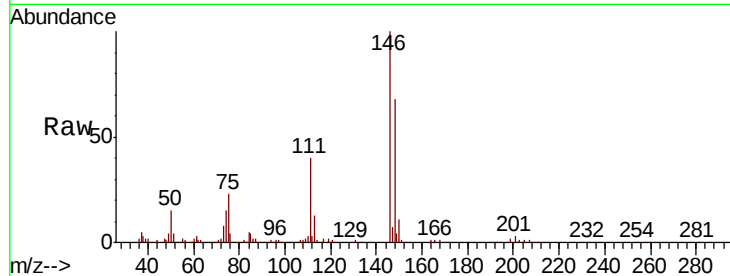




#91
 1,2-Dichlorobenzene
 Concen: 21.103 ug/l
 RT: 13.01 min Scan# 1266
 Delta R.T. 0.01 min
 Lab File: VF062498.D
 Acq: 12 May 2019 12:57

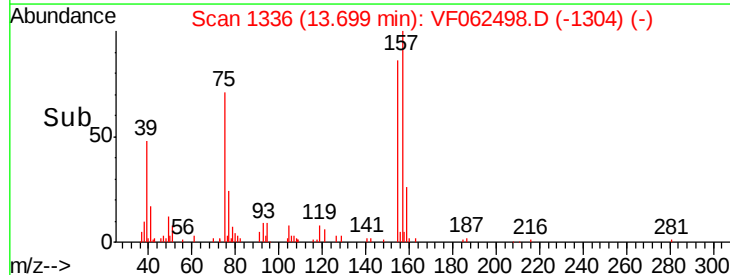
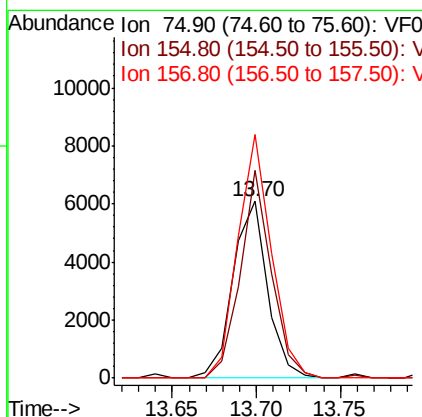
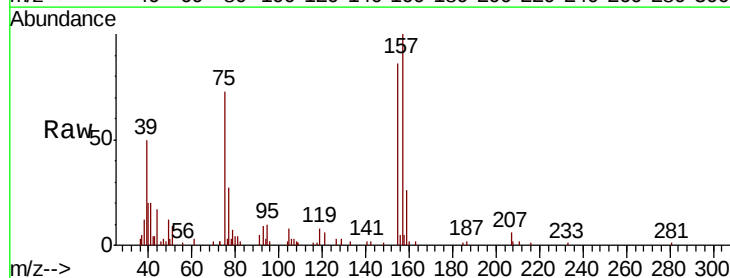
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0512SBS01

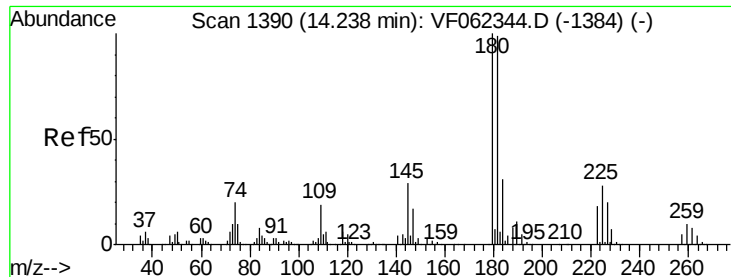
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.0	60.0
148	65.3	33.1	99.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.503 ug/l
 RT: 13.70 min Scan# 1336
 Delta R.T. 0.01 min
 Lab File: VF062498.D
 Acq: 12 May 2019 12:57

Tgt Ion	Ratio	Lower	Upper
75	100		
155	105.6	51.8	155.4
157	132.7	67.3	201.8

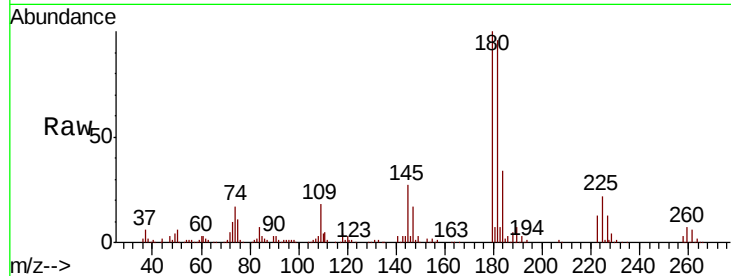




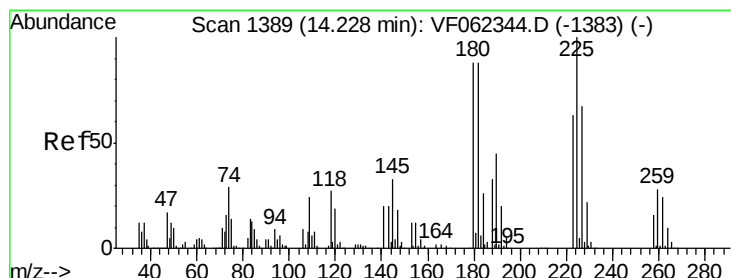
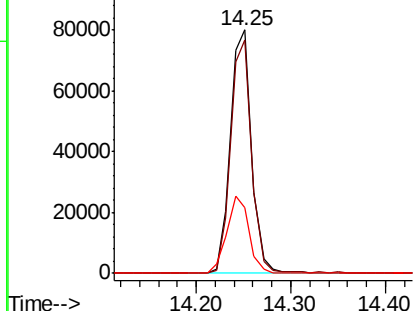
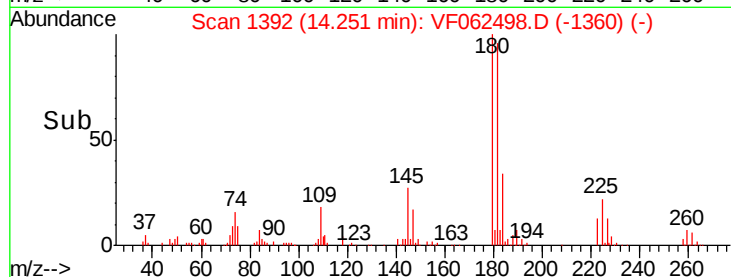
#93
 1,2,4-Trichlorobenzene
 Concen: 21.107 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. 0.01 min
 Lab File: VF062498.D
 Acq: 12 May 2019 12:57

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0512SBSD01

Tot Ion:180 Resp: 124262
 Ion Ratio Lower Upper
 180 100
 182 95.0 49.0 147.0
 145 33.1 16.7 50.1

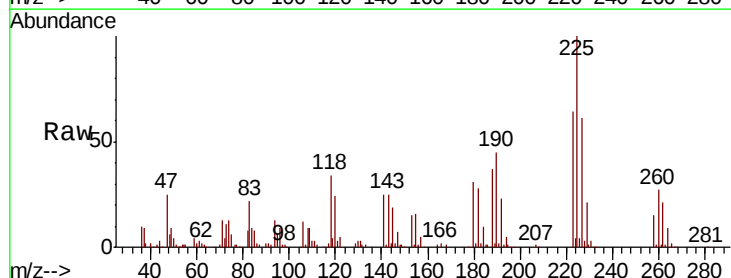


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

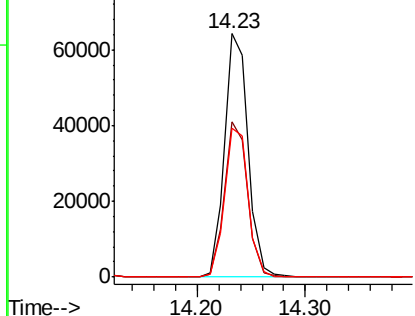
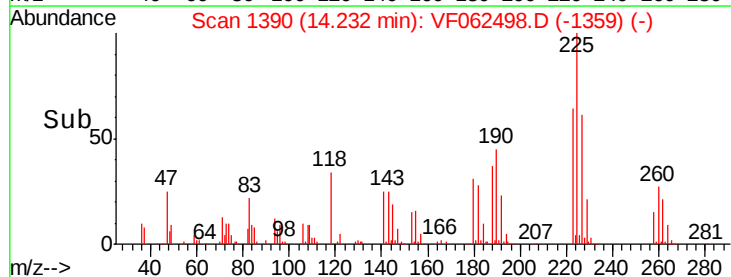


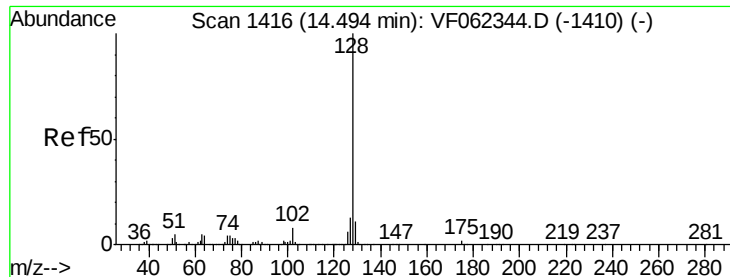
#94
 Hexachlorobutadiene
 Concen: 22.241 ug/l
 RT: 14.23 min Scan# 1390
 Delta R.T. 0.00 min
 Lab File: VF062498.D
 Acq: 12 May 2019 12:57

Tgt Ion:225 Resp: 97591
 Ion Ratio Lower Upper
 225 100
 223 62.7 31.9 95.5
 227 61.5 33.1 99.5



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 18.630 ug/l

RT: 14.50 min Scan# 1417

Delta R.T. 0.00 min

Lab File: VF062498.D

Acq: 12 May 2019 12:57

Instrument :

MSVOA_F

ClientSampleId :

VF0512SBSD01

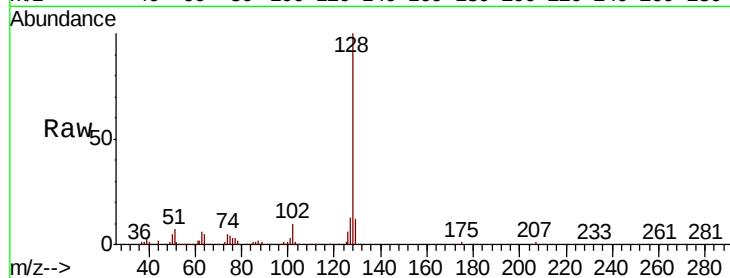
Tot Ion:128 Resp: 164890

Ion Ratio Lower Upper

128 100

127 12.8 10.5 15.7

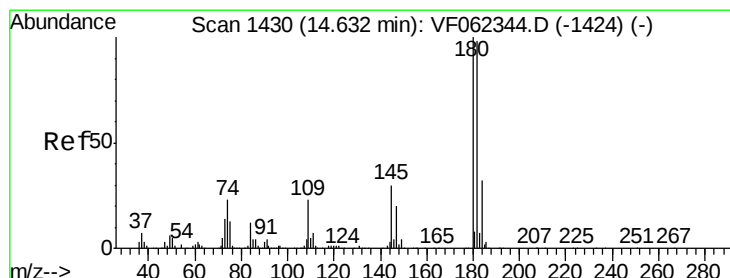
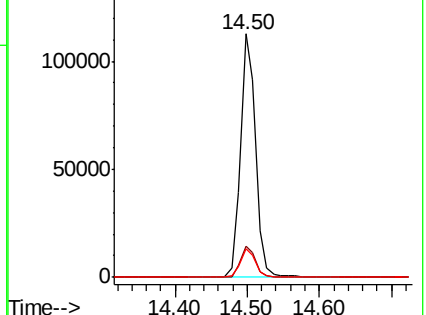
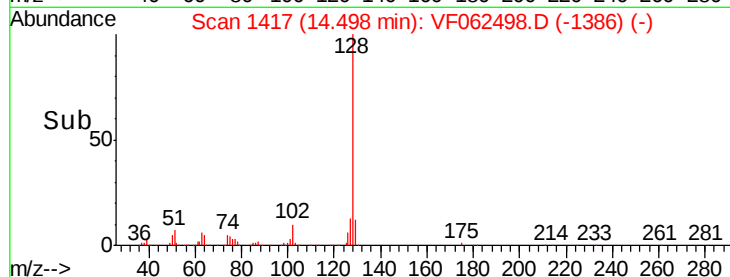
129 11.5 8.6 12.8



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: 20.307 ug/l

RT: 14.65 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VF062498.D

Acq: 12 May 2019 12:57

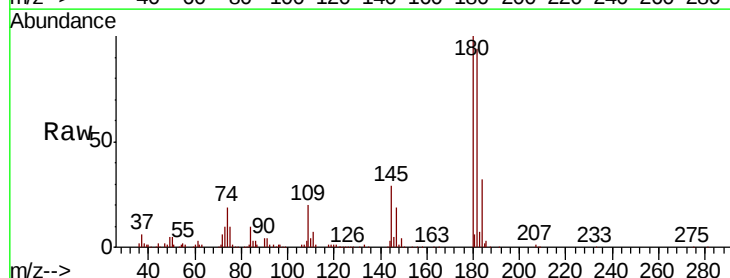
Tgt Ion:180 Resp: 115817

Ion Ratio Lower Upper

180 100

182 96.0 49.4 148.0

145 28.2 14.8 44.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

