

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF041719\
 Data File : VF062194.D
 Acq On : 17 Apr 2019 19:07
 Operator : FY/SY
 Sample : VSTDICC75
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Apr 18 06:53:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F041719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 06:46:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	397093	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	592015	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.89	117	459995	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.60	152	233096	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	269773	51.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.00%	
35) Dibromofluoromethane	4.30	113	356446	87.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	175.58%	
50) Toluene-d8	7.70	98	929248	62.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	125.56%	
62) 4-Bromofluorobenzene	11.48	95	334177	63.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	127.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.00	85	408258	85.722	ug/l	97
3) Chloromethane	1.15	50	426208	74.262	ug/l	98
4) Vinyl Chloride	1.19	62	366001	67.046	ug/l	98
5) Bromomethane	1.39	94	220969	61.514	ug/l	96
6) Chloroethane	1.44	64	156405	50.757	ug/l	96
7) Trichlorofluoromethane	1.55	101	478715	73.827	ug/l	95
8) Diethyl Ether	1.70	74	97924	36.205	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	1.90	101	317700	75.578	ug/l	99
10) Methyl Iodide	1.98	142	582380	119.838	ug/l	91
11) Tert butyl alcohol	2.69	59	84309	80.020	ug/l #	91
12) 1,1-Dichloroethene	1.86	96	308396	71.565	ug/l	97
13) Acrolein	2.10	56	43480	49.510	ug/l	97
14) Allyl chloride	2.20	41	341777	39.899	ug/l	98
15) Acrylonitrile	3.07	53	245092	88.299	ug/l	98
16) Acetone	2.34	43	302775	117.562	ug/l	98
17) Carbon Disulfide	1.91	76	882649	66.197	ug/l	100
18) Methyl Acetate	2.45	43	131359	20.296	ug/l	97
19) Methyl tert-butyl Ether	2.54	73	558662	39.806	ug/l	99
20) Methylene Chloride	2.33	84	220139	44.476	ug/l	95
21) trans-1,2-Dichloroethene	2.41	96	301211	65.982	ug/l	99
22) Diisopropyl ether	2.92	45	872696	50.514	ug/l	99
23) Vinyl Acetate	3.34	43	2153967	150.410	ug/l	99
24) 1,1-Dichloroethane	3.00	63	502124	57.345	ug/l	99
25) 2-Butanone	4.51	43	606910	145.776	ug/l	99
26) 2,2-Dichloropropane	3.76	77	235555	37.575	ug/l	98
27) cis-1,2-Dichloroethene	3.63	96	398565	75.072	ug/l	99
28) Bromochloromethane	3.89	49	236919	57.870	ug/l #	99
29) Tetrahydrofuran	4.26	42	270465	98.692	ug/l	98
30) Chloroform	4.04	83	599709	72.549	ug/l	97
31) Cyclohexane	3.86	56	581834	65.526	ug/l	99
32) 1,1,1-Trichloroethane	4.28	97	446247	68.962	ug/l #	89
36) 1,1-Dichloropropene	4.45	75	479606	75.563	ug/l	100
37) Ethyl Acetate	4.30	43	216438	30.489	ug/l #	100
38) Carbon Tetrachloride	4.17	117	540410	101.902	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	582533	76.005	ug/l	97
40) Benzene	4.81	78	1229676	67.559	ug/l	100
41) Methacrylonitrile	4.92	41	127746	31.120	ug/l	95
42) 1,2-Dichloroethane	5.11	62	341694	55.142	ug/l	99
43) Isopropyl Acetate	7.10	43	243331	21.757	ug/l	99
44) Trichloroethene	5.67	130	341595	74.811	ug/l	100
45) 1,2-Dichloropropane	6.39	63	279096	57.345	ug/l	98
46) Dibromomethane	6.25	93	190277	65.223	ug/l	97
47) Bromodichloromethane	6.54	83	421369	72.768	ug/l	99
48) Methyl methacrylate	6.86	41	160579	28.615	ug/l	99
49) 1,4-Dioxane	6.86	88	36262	348.629	ug/l	98
51) 4-Methyl-2-Pentanone	8.39	43	872268	121.384	ug/l	100
52) Toluene	7.76	92	653163	60.747	ug/l	100
53) t-1,3-Dichloropropene	8.41	75	314187	50.432	ug/l	99
54) cis-1,3-Dichloropropene	7.44	75	423015	58.929	ug/l	97
55) 1,1,2-Trichloroethane	8.62	97	189694	46.813	ug/l	98
56) Ethyl methacrylate	8.74	69	219575	31.732	ug/l	99
57) 1,3-Dichloropropane	8.98	76	305555	42.789	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.43	63	348043	96.331	ug/l	97
59) 2-Hexanone	9.61	43	567310	103.477	ug/l	96
60) Dibromochloromethane	8.85	129	291617	71.194	ug/l	97
61) 1,2-Dibromoethane	9.12	107	216290	51.303	ug/l	97
64) Tetrachloroethene	8.29	164	295931	81.509	ug/l	99
65) Chlorobenzene	9.91	112	694078	70.115	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.05	131	306805	84.527	ug/l	99
67) Ethyl Benzene	10.01	91	1198082	67.220	ug/l	100
68) m/p-Xylenes	10.25	106	878946	135.534	ug/l	94
69) o-Xylene	10.80	106	496314	76.327	ug/l	95
70) Styrene	10.88	104	691027	64.141	ug/l	99
71) Bromoform	10.86	173	166804	62.483	ug/l #	100
73) Isopropylbenzene	11.20	105	1372496	75.432	ug/l	98
74) N-amyl acetate	11.44	43	341762	36.853	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.76	83	244910	40.715	ug/l	99
76) 1,2,3-Trichloropropane	11.86	75	166280	31.992	ug/l #	64
77) Bromobenzene	11.57	156	308388	68.946	ug/l	99
78) n-propylbenzene	11.66	91	1402215	68.817	ug/l	99
79) 2-Chlorotoluene	11.79	91	886748	71.573	ug/l	98
80) 1,3,5-Trimethylbenzene	11.89	105	1143040	75.168	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.92	75	99305	48.813	ug/l #	88
82) 4-Chlorotoluene	11.96	91	854052	61.307	ug/l	99
83) tert-Butylbenzene	12.19	119	1170107	78.798	ug/l	99
84) 1,2,4-Trimethylbenzene	12.26	105	1074285	70.239	ug/l	97
85) sec-Butylbenzene	12.36	105	1501992	83.493	ug/l	99
86) p-Isopropyltoluene	12.51	119	1261531	77.734	ug/l	99
87) 1,3-Dichlorobenzene	12.53	146	527160	67.182	ug/l	98
88) 1,4-Dichlorobenzene	12.61	146	516887	65.124	ug/l	99
89) n-Butylbenzene	12.89	91	1158285	77.732	ug/l	98
90) Hexachloroethane	12.96	117	343529	115.443	ug/l	97
91) 1,2-Dichlorobenzene	12.99	146	514399	66.449	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.68	75	45717	33.774	ug/l	94

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82F041719S.M
Quant Title : SW846 8260
QLast Update : Thu Apr 18 06:46:39 2019
Response via : Initial Calibration

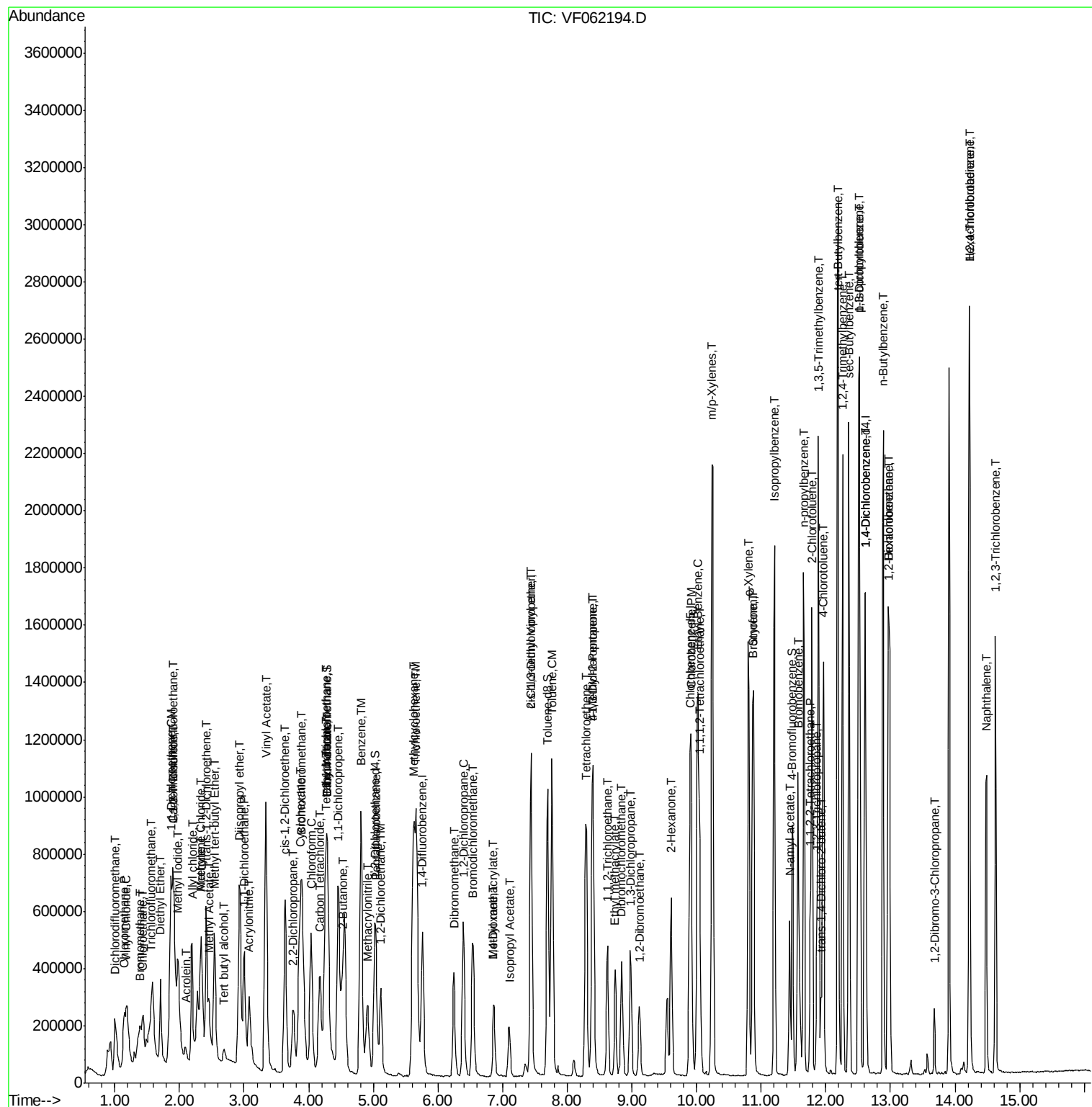
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.23	180	423826	74.108	ug/l	99
94) Hexachlorobutadiene	14.22	225	310452	100.982	ug/l	99
95) Naphthalene	14.49	128	811737	48.226	ug/l	100
96) 1,2,3-Trichlorobenzene	14.63	180	429552	75.646	ug/l	99

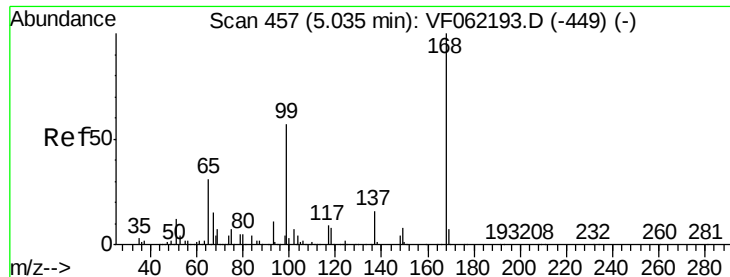
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 ClientSampled :

Quant Time: Apr 18 06:53:31 2019
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 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 06:46:39 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 458

Delta R.T. 0.01 min

Lab File: VF062194.D

Acq: 17 Apr 2019 19:07

Instrument :

MSVOA_F

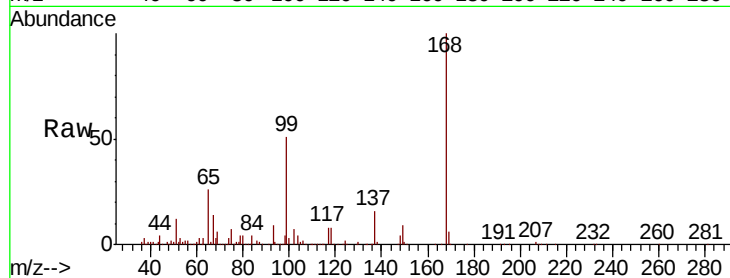
ClientSampleId :

Tot Ion:168 Resp: 397093

Ion Ratio Lower Upper

168 100

99 50.7 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): VF0

Ion 98.90 (98.60 to 99.60): VF0

5.04

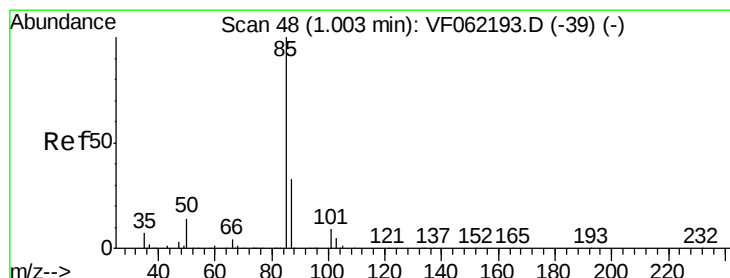
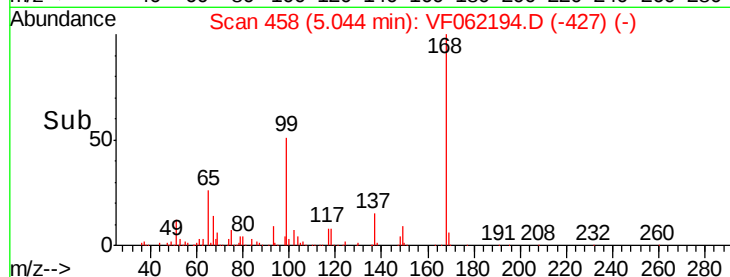
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 85.722 ug/l

RT: 1.00 min Scan# 48

Delta R.T. -0.00 min

Lab File: VF062194.D

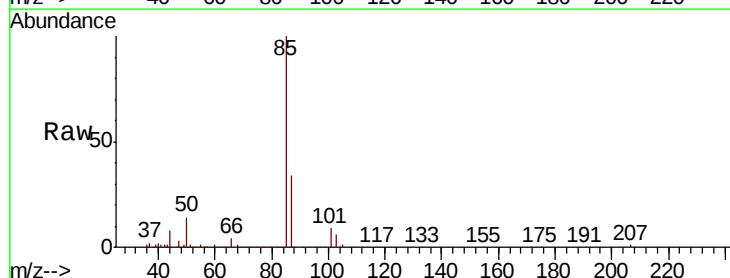
Acq: 17 Apr 2019 19:07

Tgt Ion: 85 Resp: 408258

Ion Ratio Lower Upper

85 100

87 34.4 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VF0

Ion 86.90 (86.60 to 87.60): VF0

1.00

120000

100000

80000

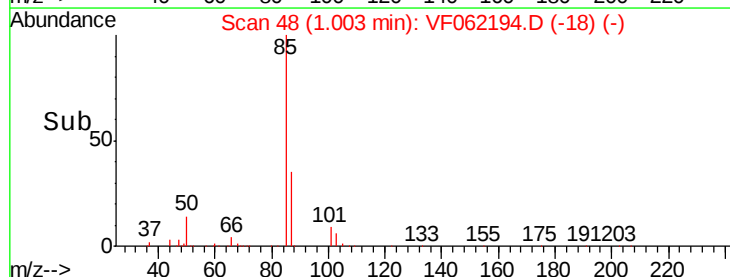
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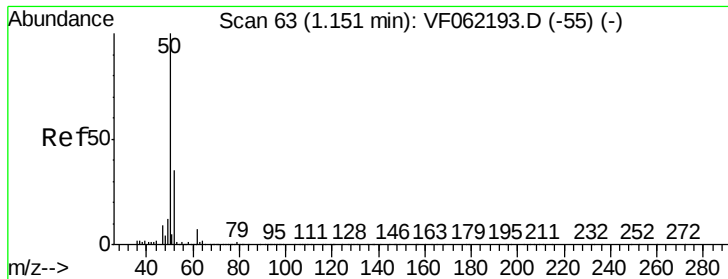
40000

20000

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Time-->





#3

Chloromethane

Concen: 74.262 ug/l

RT: 1.15 min Scan# 63

Delta R.T. -0.00 min

Lab File: VF062194.D

Acq: 17 Apr 2019 19:07

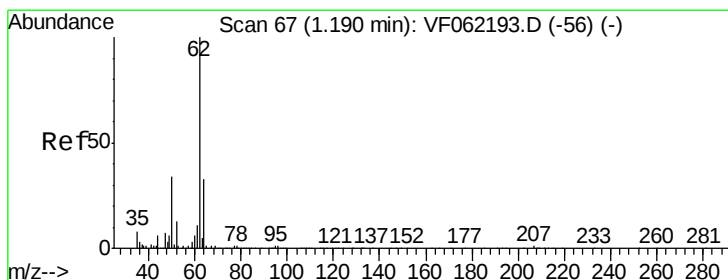
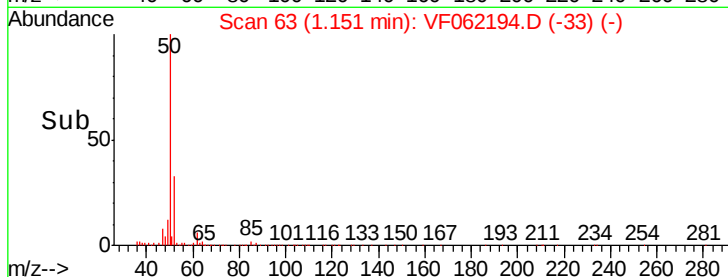
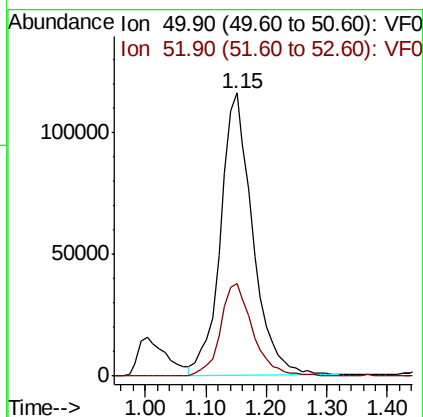
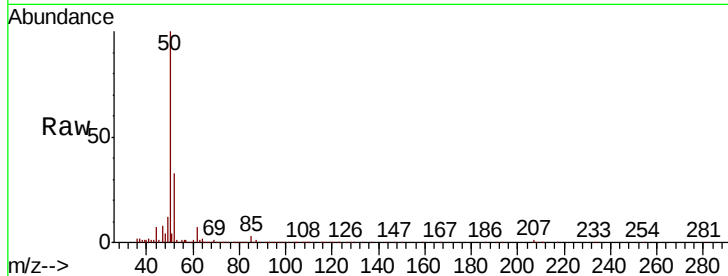
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 50 Resp: 426208

Ion Ratio Lower Upper

50 100

52 32.5 27.0 40.4



#4

Vinyl Chloride

Concen: 67.046 ug/l

RT: 1.19 min Scan# 67

Delta R.T. -0.00 min

Lab File: VF062194.D

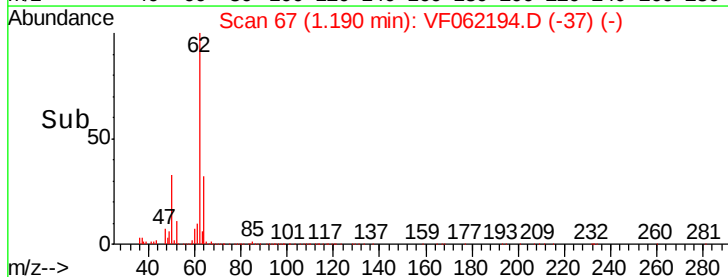
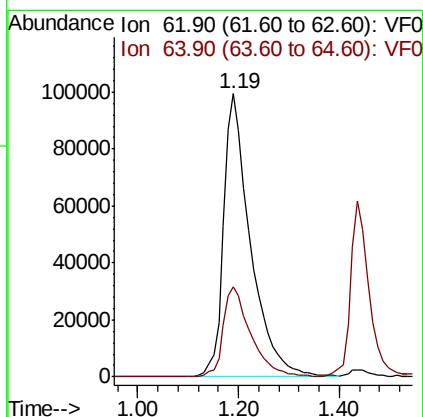
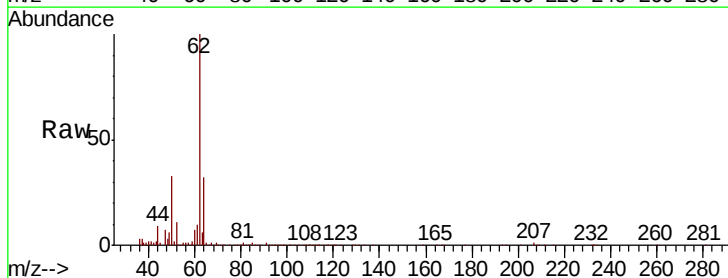
Acq: 17 Apr 2019 19:07

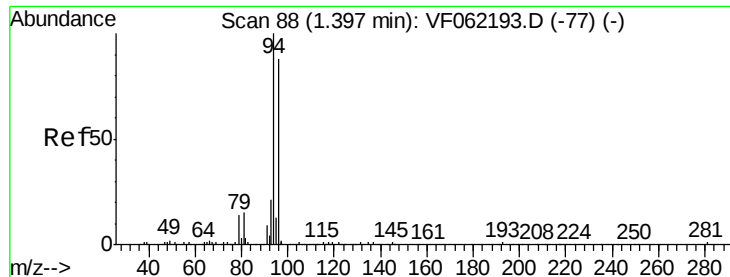
Tgt Ion: 62 Resp: 366001

Ion Ratio Lower Upper

62 100

64 31.8 26.2 39.4





#5

Bromomethane

Concen: 61.514 ug/l

RT: 1.39 min Scan# 87

Delta R.T. -0.01 min

Lab File: VF062194.D

Acq: 17 Apr 2019 19:07

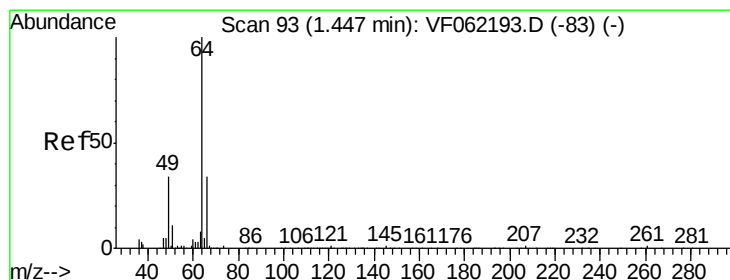
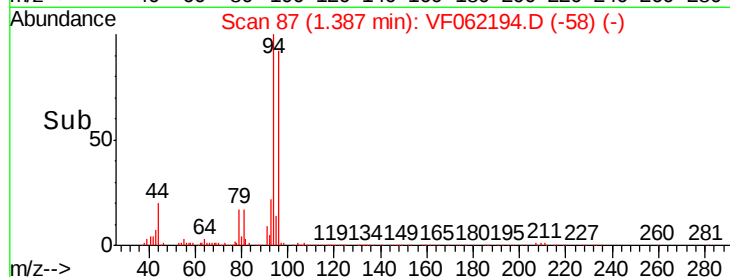
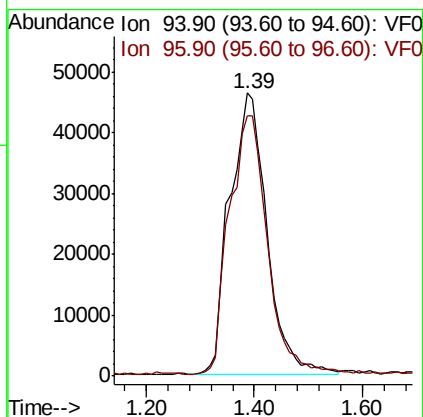
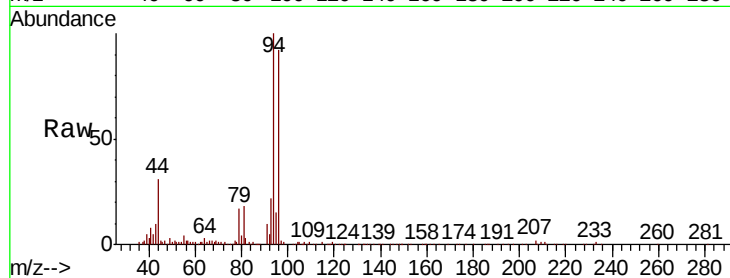
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 94 Resp: 220969

Ion Ratio Lower Upper

94 100

96 91.7 70.2 105.4



#6

Chloroethane

Concen: 50.757 ug/l

RT: 1.44 min Scan# 92

Delta R.T. -0.01 min

Lab File: VF062194.D

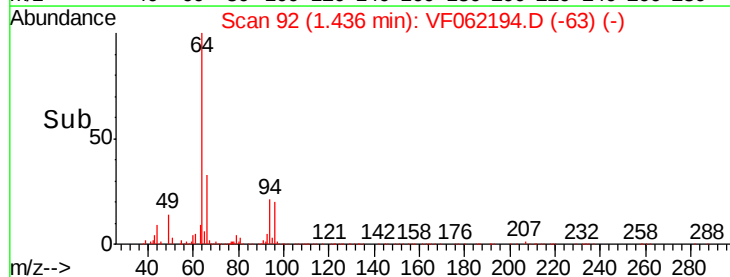
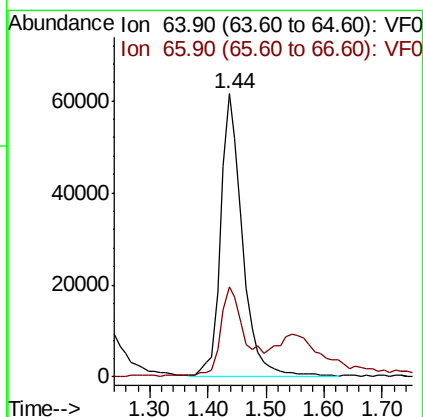
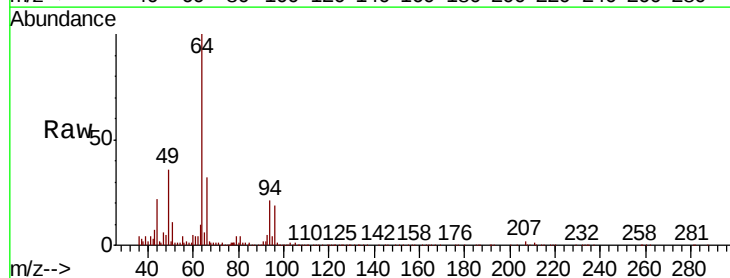
Acq: 17 Apr 2019 19:07

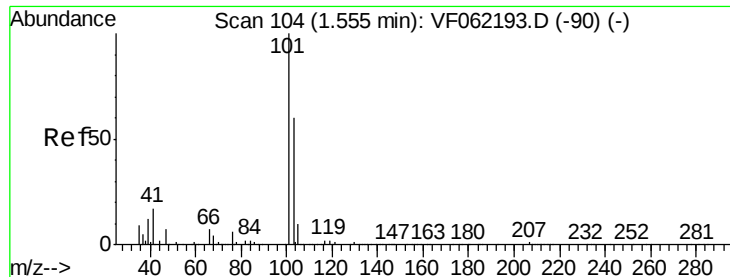
Tgt Ion: 64 Resp: 156405

Ion Ratio Lower Upper

64 100

66 31.6 27.0 40.4



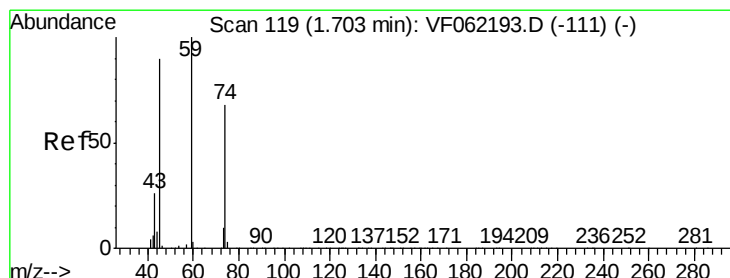
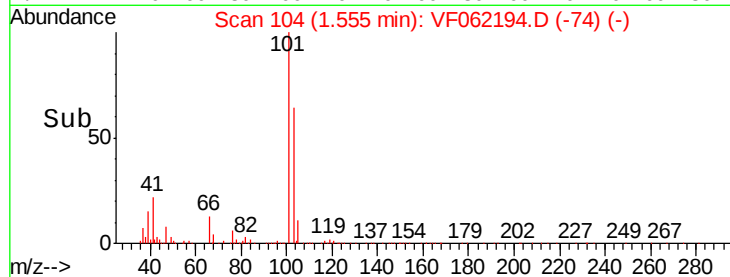
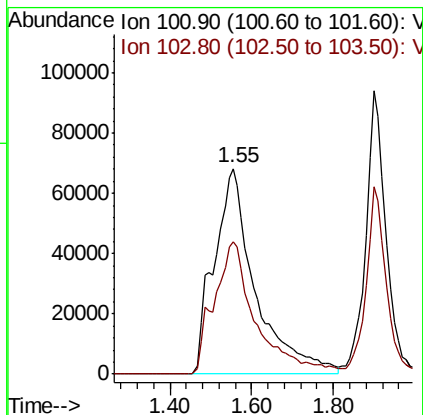
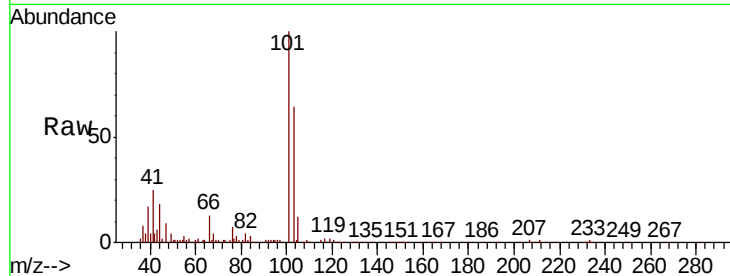


#7

Trichlorofluoromethane
Concen: 73.827 ug/l
RT: 1.55 min Scan# 104
Delta R.T. -0.00 min
Lab File: VF062194.D
Acq: 17 Apr 2019 19:07

Instrument :
MSVOA_F
ClientSampleId :

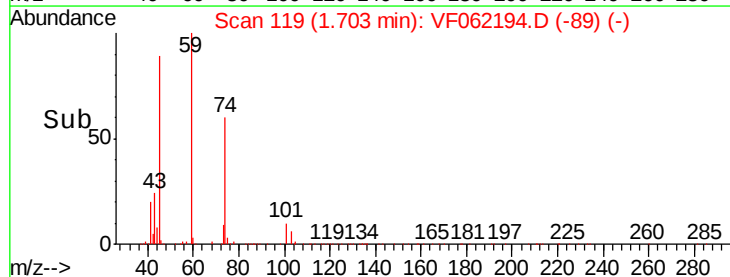
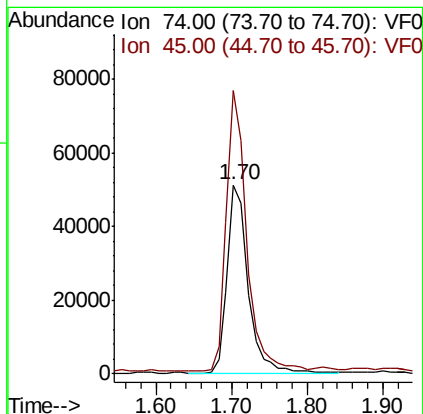
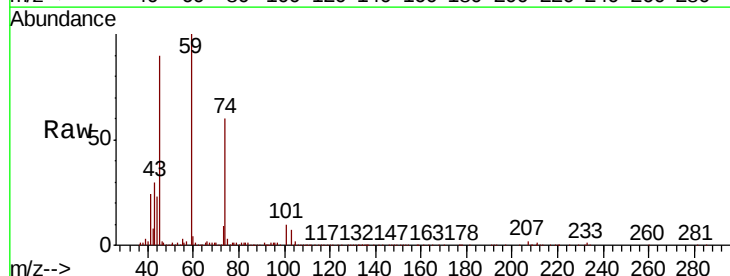
Tot Ion:101 Resp: 478715
Ion Ratio Lower Upper
101 100
103 64.1 48.2 72.4

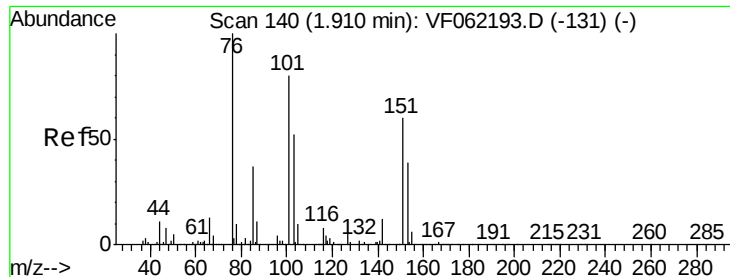


#8

Diethyl Ether
Concen: 36.205 ug/l
RT: 1.70 min Scan# 119
Delta R.T. -0.00 min
Lab File: VF062194.D
Acq: 17 Apr 2019 19:07

Tgt Ion: 74 Resp: 97924
Ion Ratio Lower Upper
74 100
45 145.2 70.0 210.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 75.578 ug/l

RT: 1.90 min Scan# 139

Delta R.T. -0.01 min

Lab File: VF062194.D

Acq: 17 Apr 2019 19:07

Instrument :

MSVOA_F

ClientSampleId :

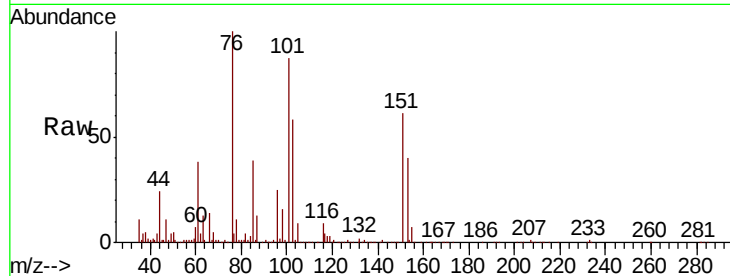
Tot Ion:101 Resp: 317700

Ion Ratio Lower Upper

101 100

85 43.6 35.3 52.9

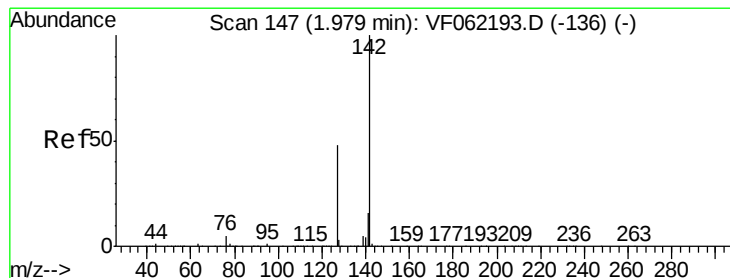
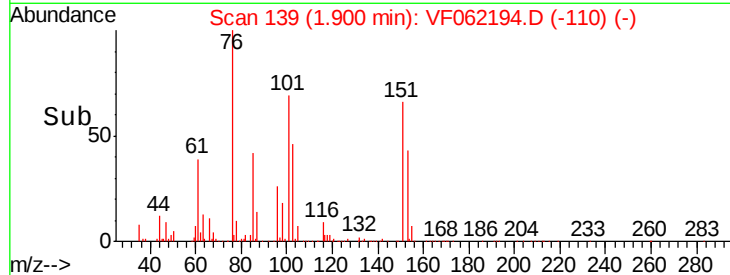
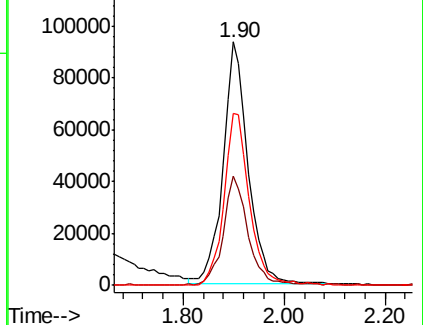
151 72.4 57.5 86.3



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: 119.838 ug/l

RT: 1.98 min Scan# 147

Delta R.T. -0.00 min

Lab File: VF062194.D

Acq: 17 Apr 2019 19:07

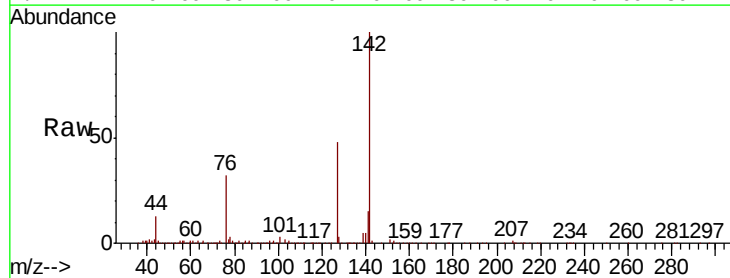
Tgt Ion:142 Resp: 582380

Ion Ratio Lower Upper

142 100

127 48.2 33.0 49.4

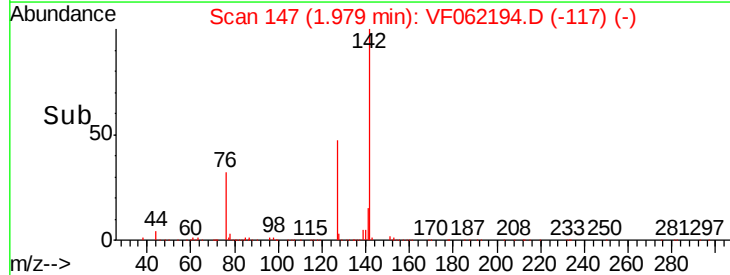
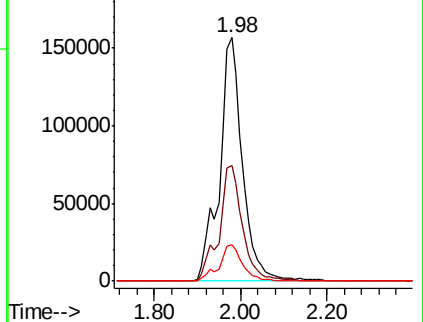
141 15.0 12.7 19.1

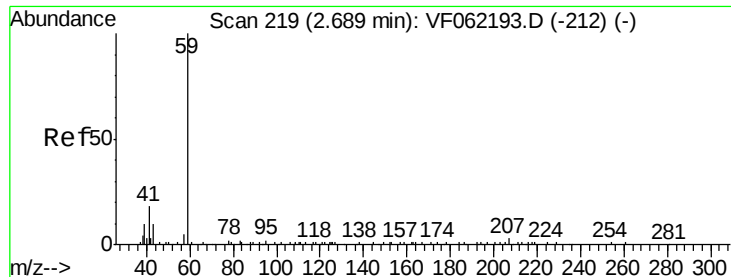


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



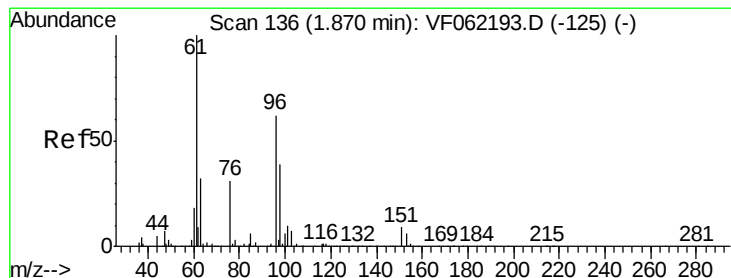
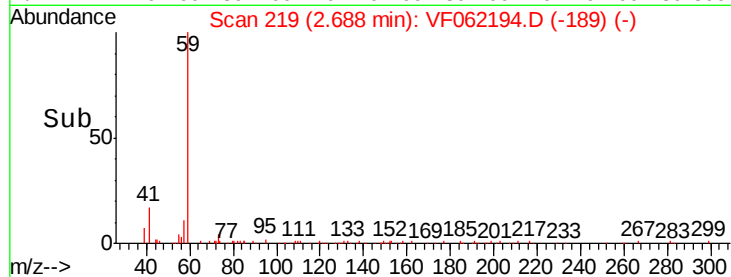
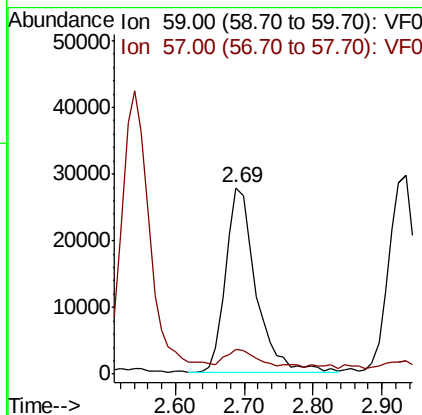
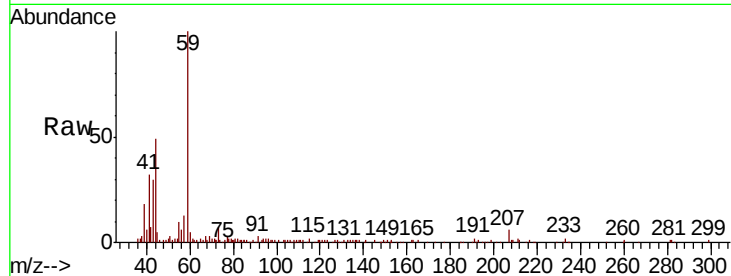


#11

Tert butyl alcohol
 Concen: 80.020 ug/l
 RT: 2.69 min Scan# 219
 Delta R.T. -0.00 min
 Lab File: VF062194.D
 Acq: 17 Apr 2019 19:07

Instrument :
 MSVOA_F
 ClientSampleId :

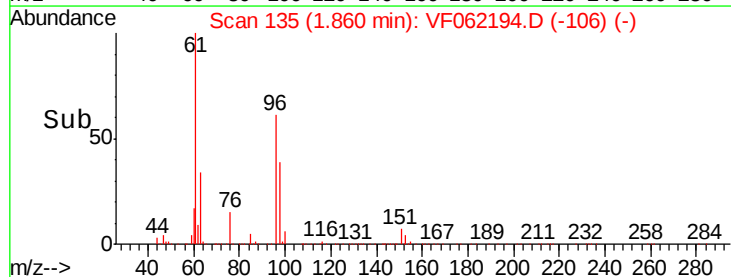
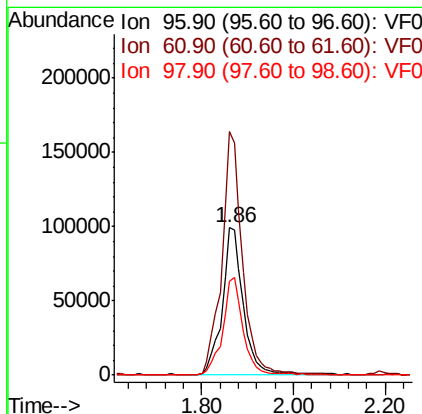
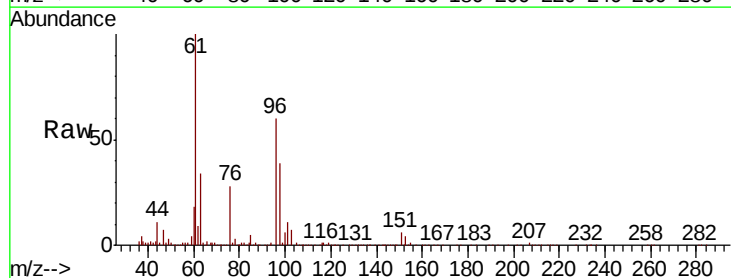
Tot Ion: 59 Resp: 84309
 Ion Ratio Lower Upper
 59 100
 57 8.2 9.3 13.9#

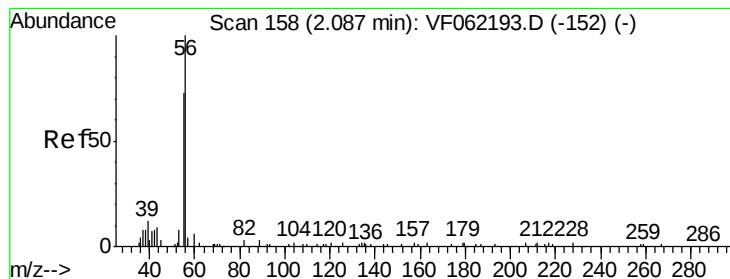


#12

1,1-Dichloroethene
 Concen: 71.565 ug/l
 RT: 1.86 min Scan# 135
 Delta R.T. -0.01 min
 Lab File: VF062194.D
 Acq: 17 Apr 2019 19:07

Tgt Ion: 96 Resp: 308396
 Ion Ratio Lower Upper
 96 100
 61 166.6 129.1 193.7
 98 64.3 50.0 75.0





#13

Acrolein

Concen: 49.510 ug/l

RT: 2.10 min Scan# 159

Delta R.T. 0.01 min

Lab File: VF062194.D

Acq: 17 Apr 2019 19:07

Instrument :

MSVOA_F

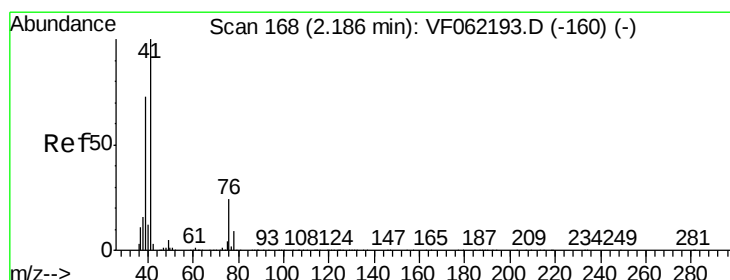
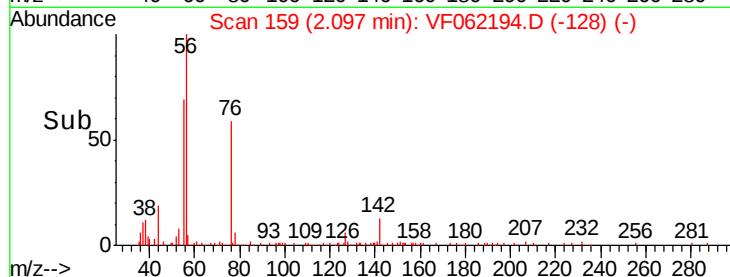
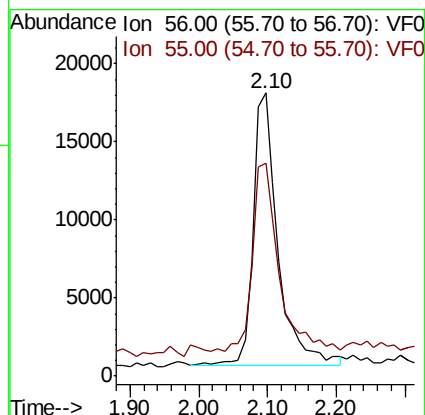
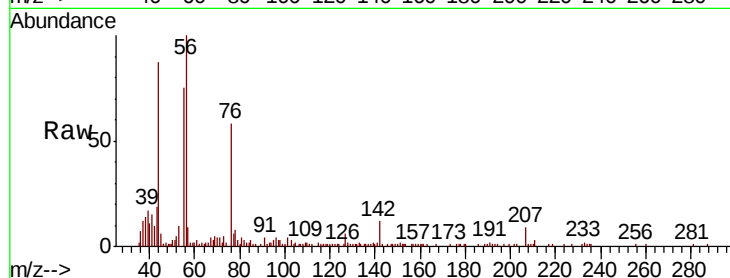
ClientSampleId :

Tot Ion: 56 Resp: 43480

Ion Ratio Lower Upper

56 100

55 73.9 57.4 86.0



#14

Allyl chloride

Concen: 39.899 ug/l

RT: 2.20 min Scan# 169

Delta R.T. 0.01 min

Lab File: VF062194.D

Acq: 17 Apr 2019 19:07

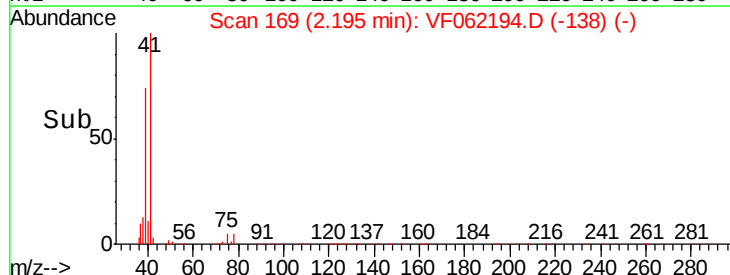
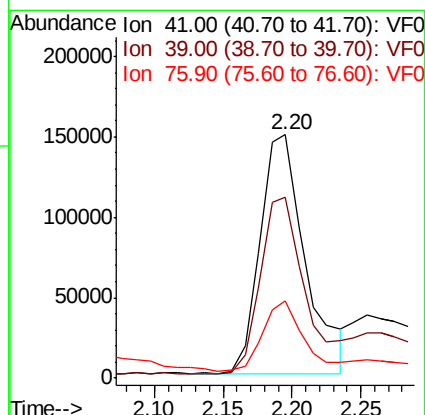
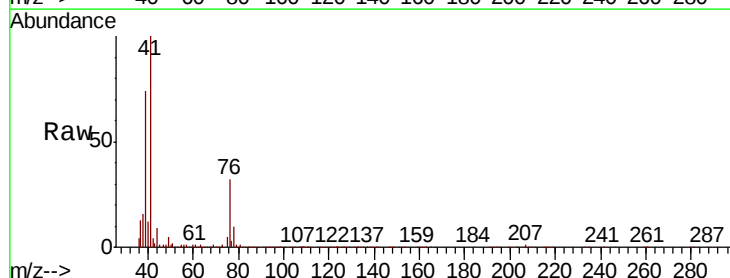
Tgt Ion: 41 Resp: 341777

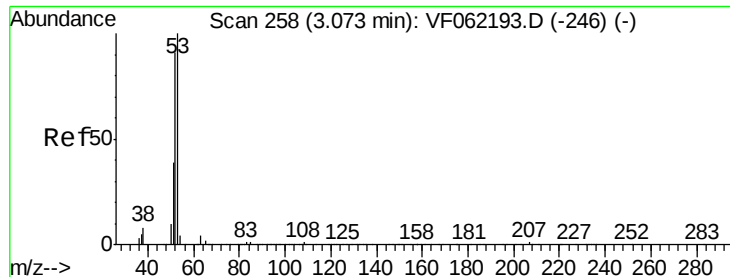
Ion Ratio Lower Upper

41 100

39 73.2 60.0 90.0

76 25.7 20.6 30.8





#15

Acrylonitrile

Concen: 88.299 ug/l

RT: 3.07 min Scan# 258

Delta R.T. -0.00 min

Lab File: VF062194.D

Acq: 17 Apr 2019 19:07

Instrument :
MSVOA_F
ClientSampled :

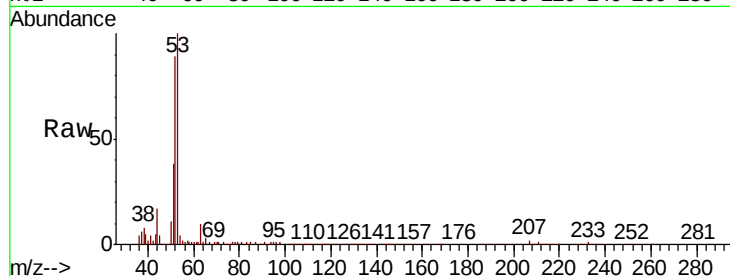
Tot Ion: 53 Resp: 245092

Ion Ratio Lower Upper

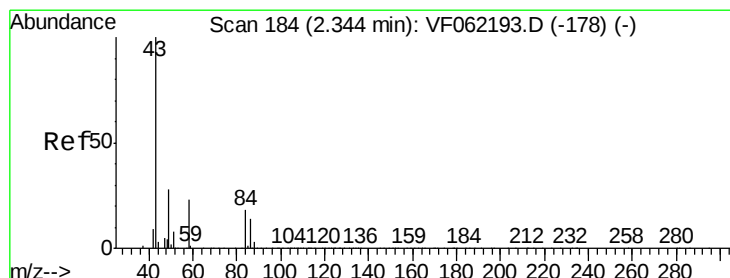
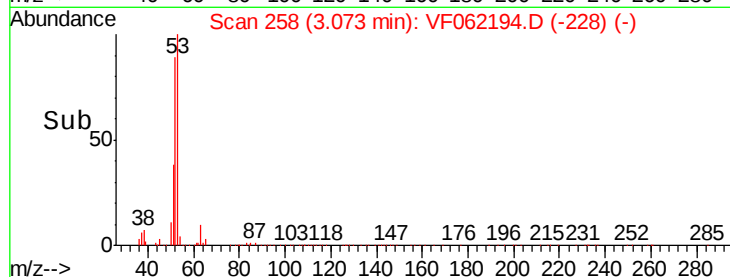
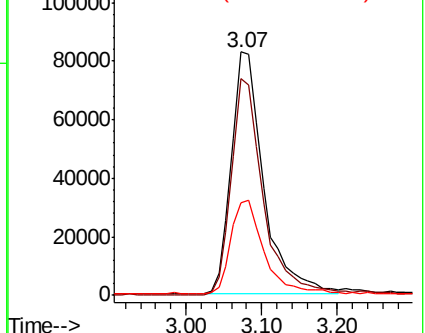
53 100

52 88.9 69.5 104.3

51 38.5 31.8 47.8



Abundance Ion 53.00 (52.70 to 53.70): VF0
Ion 52.00 (51.70 to 52.70): VF0
Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 117.562 ug/l

RT: 2.34 min Scan# 184

Delta R.T. -0.00 min

Lab File: VF062194.D

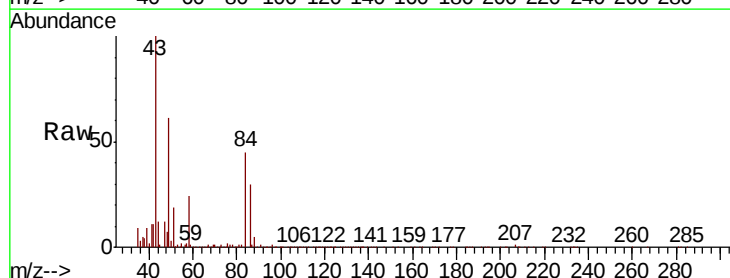
Acq: 17 Apr 2019 19:07

Tgt Ion: 43 Resp: 302775

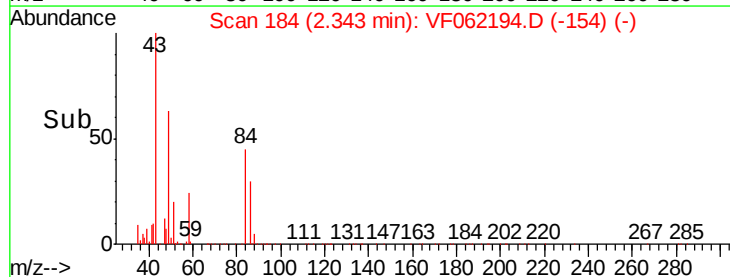
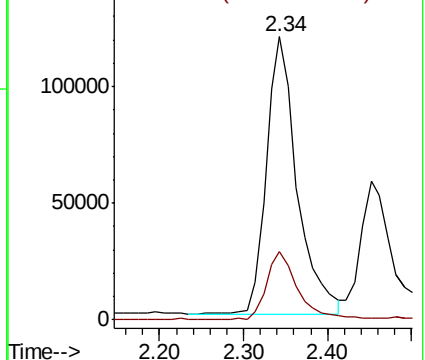
Ion Ratio Lower Upper

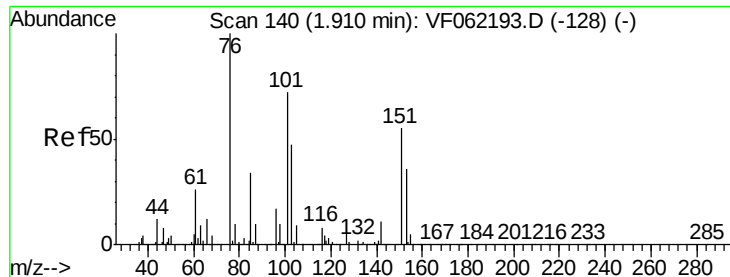
43 100

58 24.4 18.8 28.2



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





#17

Carbon Disulfide

Concen: 66.197 ug/l

RT: 1.91 min Scan# 140

Delta R.T. -0.00 min

Lab File: VF062194.D

Acq: 17 Apr 2019 19:07

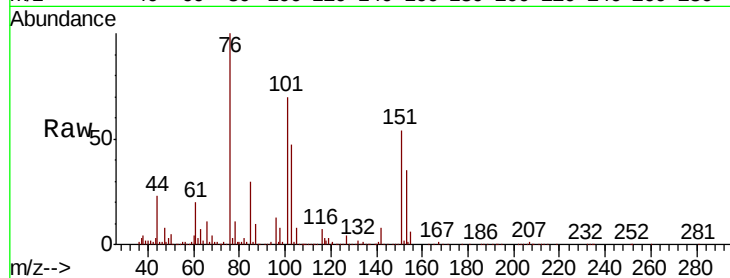
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 76 Resp: 882649

Ion Ratio Lower Upper

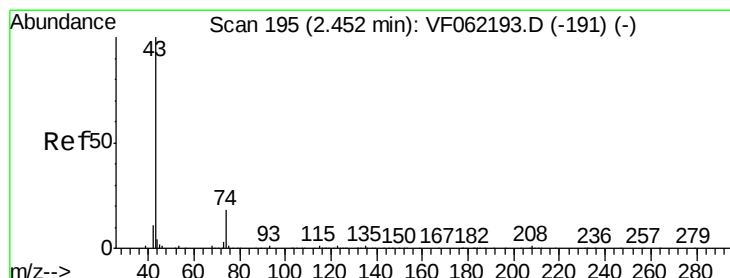
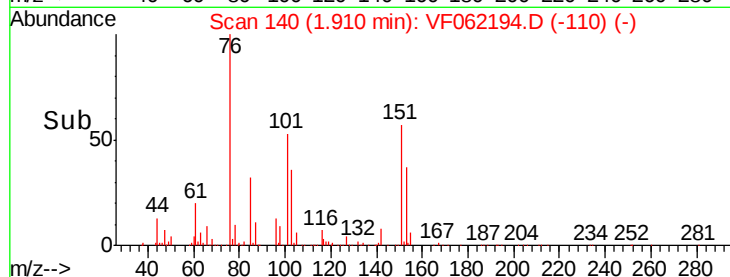
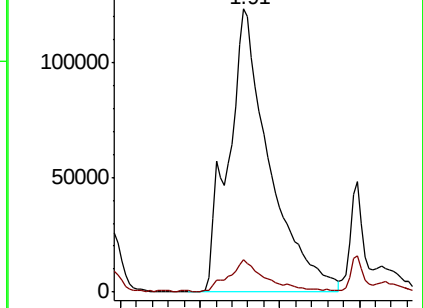
76 100

78 11.0 8.7 13.1



Abundance Ion 75.90 (75.60 to 76.60): VF0

Ion 77.90 (77.60 to 78.60): VF0



#18

Methyl Acetate

Concen: 20.296 ug/l

RT: 2.45 min Scan# 195

Delta R.T. -0.00 min

Lab File: VF062194.D

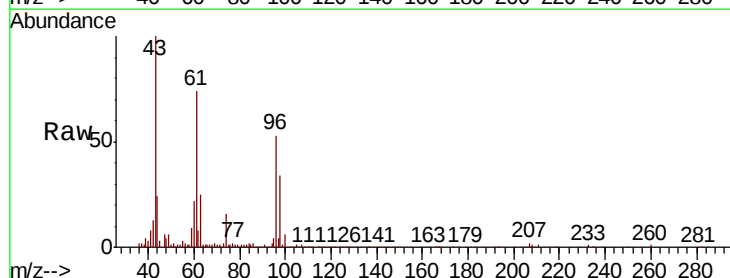
Acq: 17 Apr 2019 19:07

Tgt Ion: 43 Resp: 131359

Ion Ratio Lower Upper

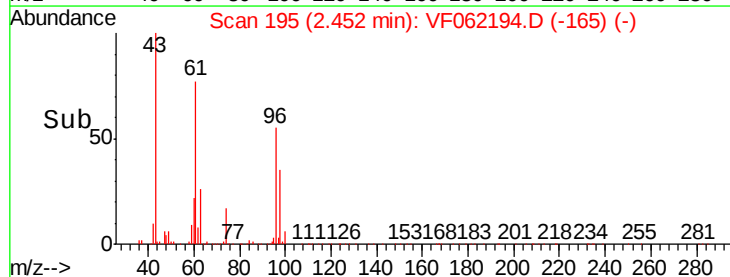
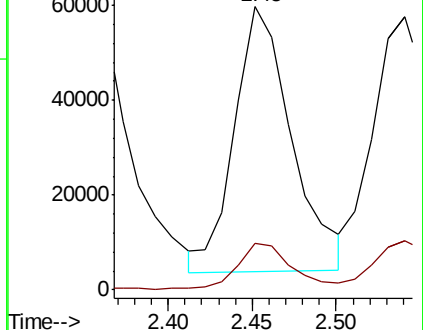
43 100

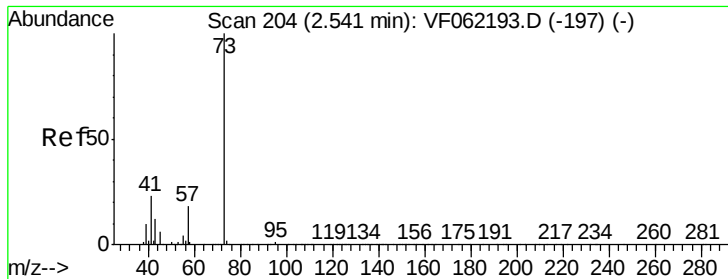
74 16.7 14.5 21.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0



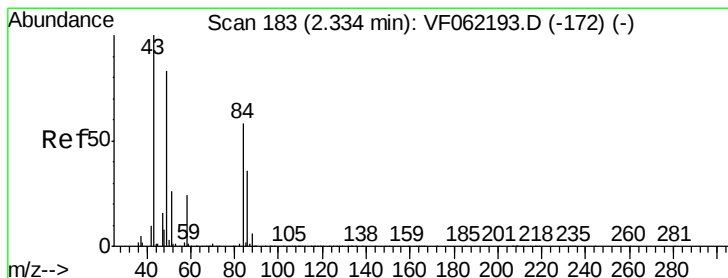
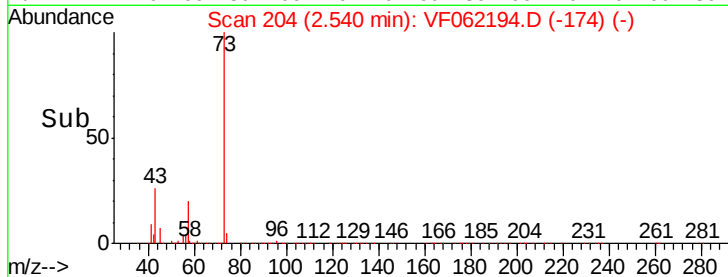
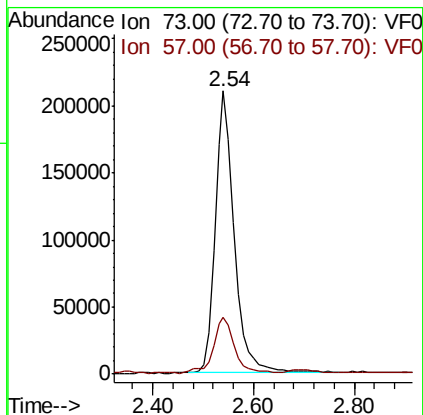
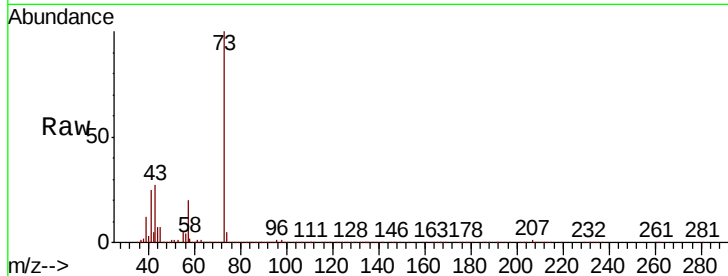


#19

Methyl tert-butyl Ether
 Concen: 39.806 ug/l
 RT: 2.54 min Scan# 204
 Delta R.T. -0.00 min
 Lab File: VF062194.D
 Acq: 17 Apr 2019 19:07

Instrument :
 MSVOA_F
 ClientSampleId :

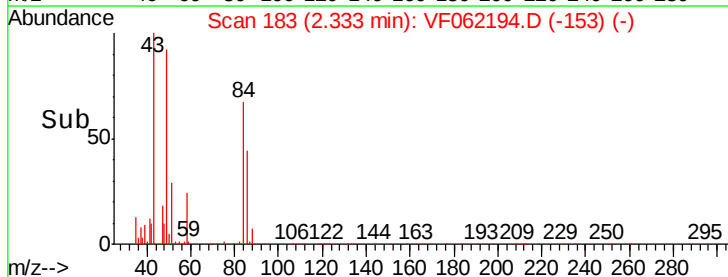
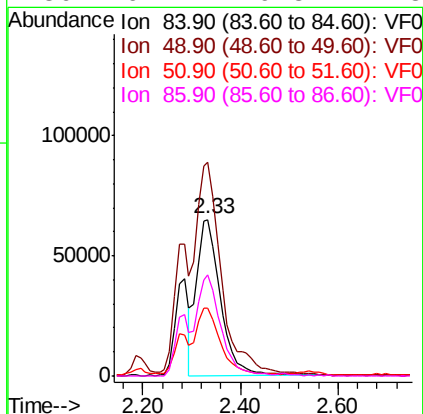
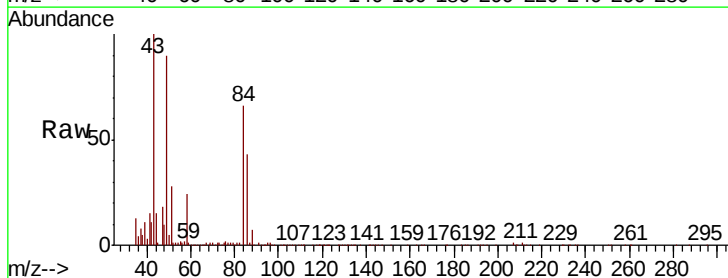
Tot Ion: 73 Resp: 558662
 Ion Ratio Lower Upper
 73 100
 57 19.6 15.1 22.7

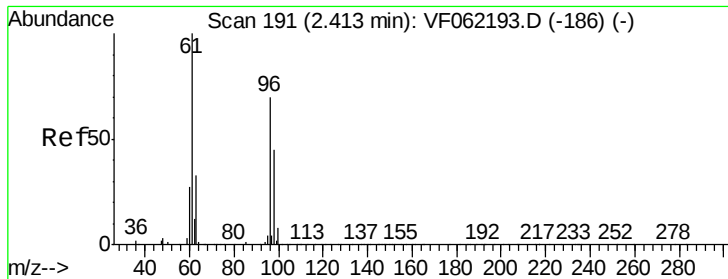


#20

Methylene Chloride
 Concen: 44.476 ug/l
 RT: 2.33 min Scan# 183
 Delta R.T. -0.00 min
 Lab File: VF062194.D
 Acq: 17 Apr 2019 19:07

Tgt Ion: 84 Resp: 220139
 Ion Ratio Lower Upper
 84 100
 49 136.6 114.0 171.0
 51 42.4 37.0 55.4
 86 64.7 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 65.982 ug/l

RT: 2.41 min Scan# 191

Delta R.T. -0.00 min

Lab File: VF062194.D

Acq: 17 Apr 2019 19:07

Instrument :

MSVOA_F

ClientSampleId :

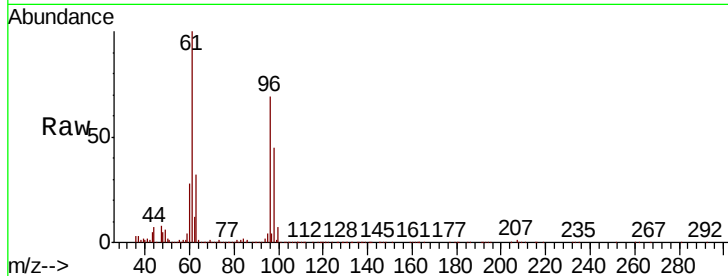
Tot Ion: 96 Resp: 301211

Ion Ratio Lower Upper

96 100

61 144.9 114.6 172.0

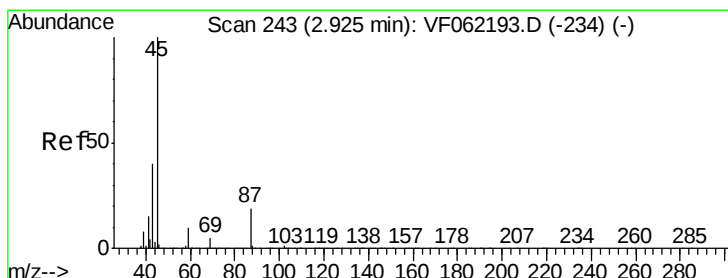
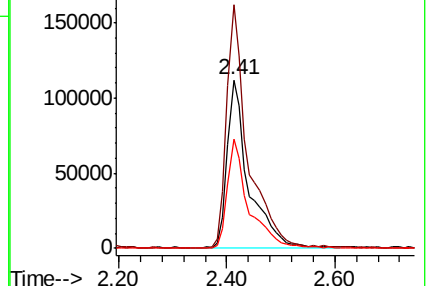
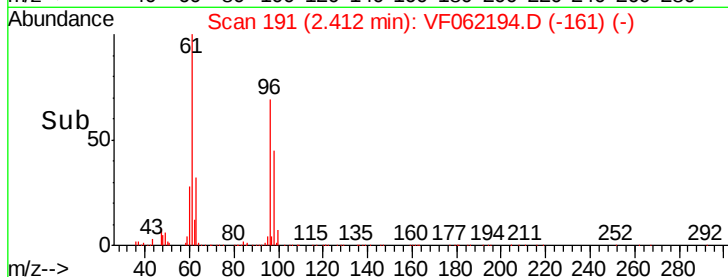
98 65.2 51.2 76.8



Abundance Ion 95.90 (95.60 to 96.60): VF0

Ion 60.90 (60.60 to 61.60): VF0

Ion 97.90 (97.60 to 98.60): VF0



#22

Diisopropyl ether

Concen: 50.514 ug/l

RT: 2.92 min Scan# 243

Delta R.T. -0.00 min

Lab File: VF062194.D

Acq: 17 Apr 2019 19:07

Tgt Ion: 45 Resp: 872696

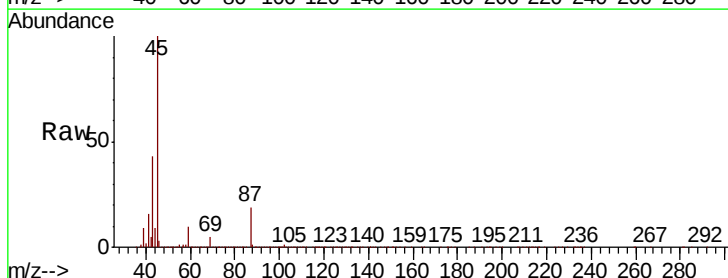
Ion Ratio Lower Upper

45 100

43 41.8 32.8 49.2

87 18.7 15.2 22.8

59 9.8 7.8 11.6

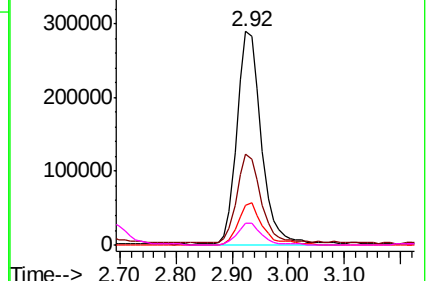
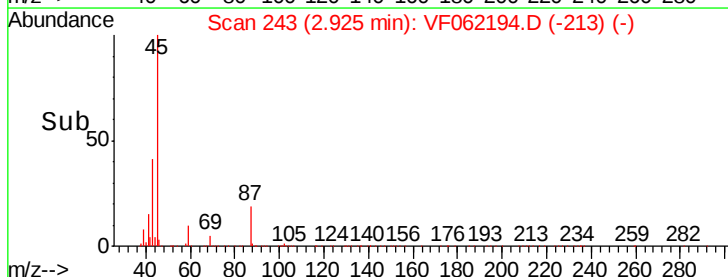


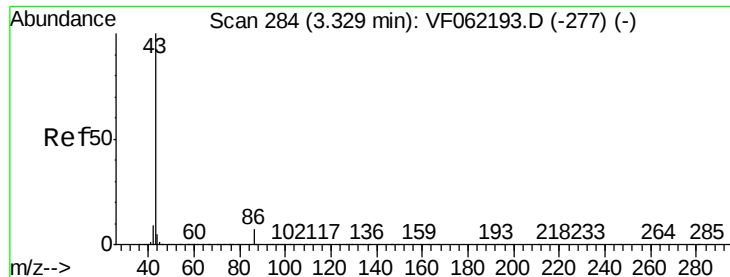
Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 150.410 ug/l

RT: 3.34 min Scan# 285

Delta R.T. 0.01 min

Lab File: VF062194.D

Acq: 17 Apr 2019 19:07

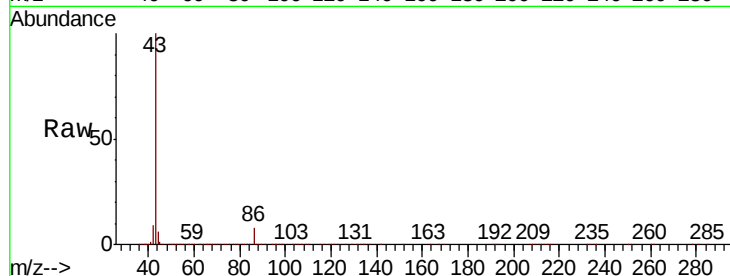
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 2153967

Ion Ratio Lower Upper

43 100

86 7.7 5.9 8.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.34

800000

600000

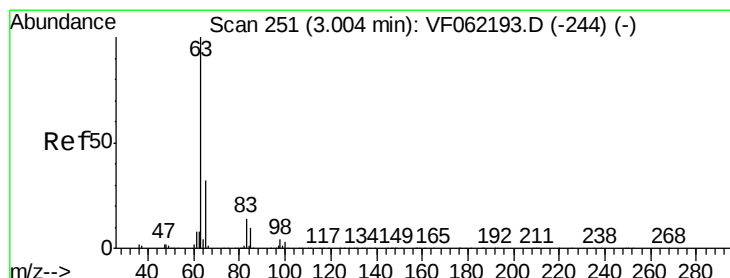
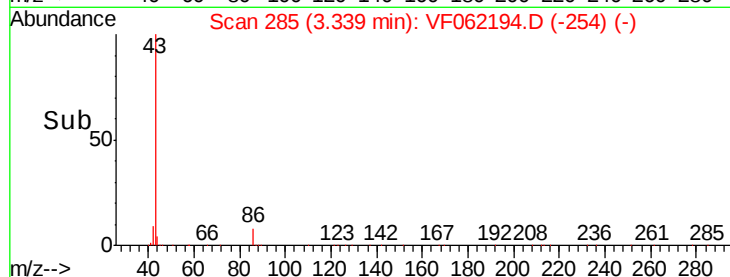
400000

200000

0

Time-->

3.20 3.40 3.60



#24

1,1-Dichloroethane

Concen: 57.345 ug/l

RT: 3.00 min Scan# 251

Delta R.T. -0.00 min

Lab File: VF062194.D

Acq: 17 Apr 2019 19:07

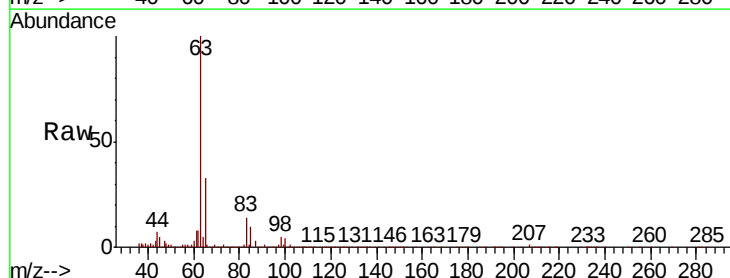
Tgt Ion: 63 Resp: 502124

Ion Ratio Lower Upper

63 100

98 4.6 2.3 6.8

100 3.6 1.7 5.0



Abundance Ion 62.90 (62.60 to 63.60): VF0

Ion 97.90 (97.60 to 98.60): VF0

Ion 99.90 (99.60 to 100.60): VF0

250000

200000

150000

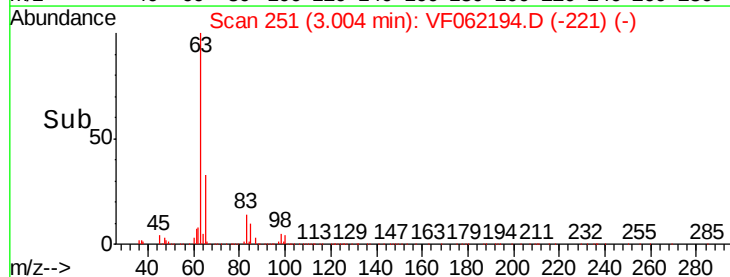
100000

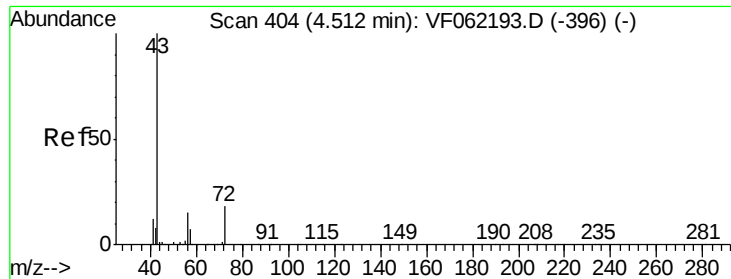
50000

0

Time-->

2.80 3.00 3.20





#25

2-Butanone

Concen: 145.776 ug/l

RT: 4.51 min Scan# 404

Delta R.T. -0.00 min

Lab File: VF062194.D

Acq: 17 Apr 2019 19:07

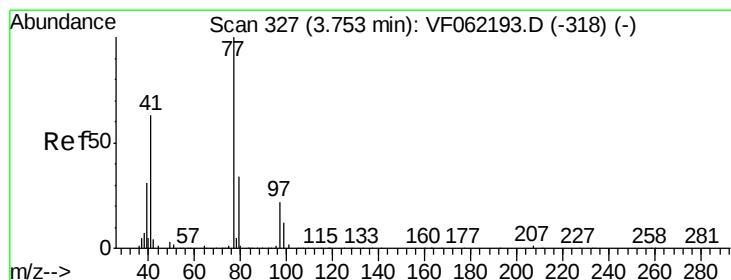
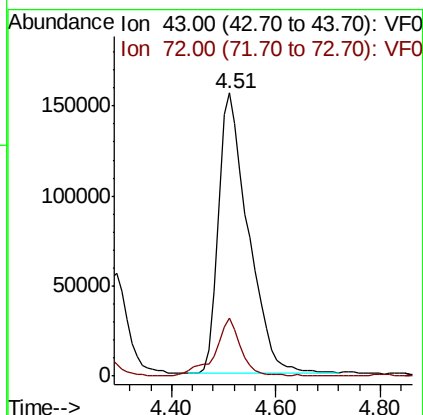
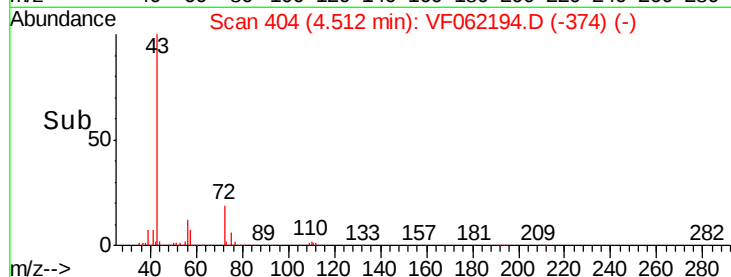
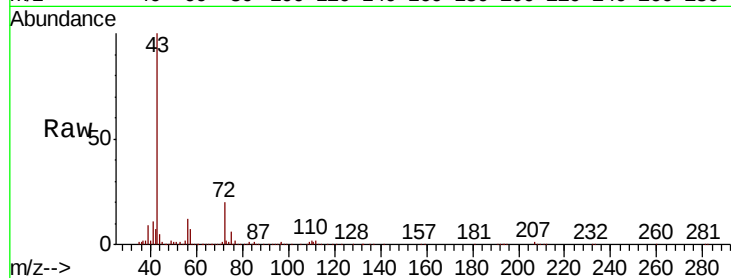
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 606910

Ion Ratio Lower Upper

43 100

72 20.4 16.1 24.1



#26

2,2-Dichloropropane

Concen: 37.575 ug/l

RT: 3.76 min Scan# 328

Delta R.T. 0.01 min

Lab File: VF062194.D

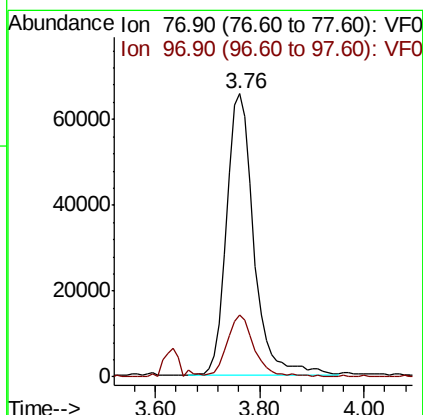
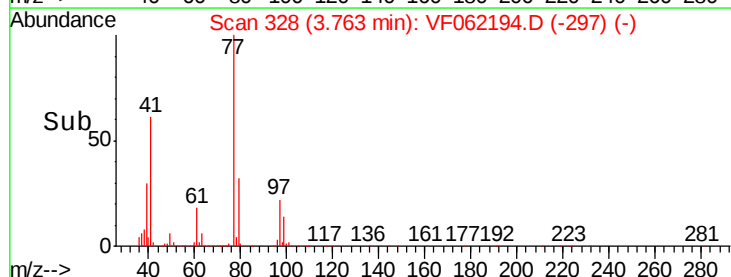
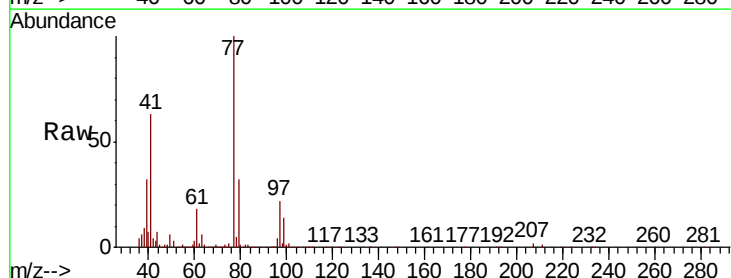
Acq: 17 Apr 2019 19:07

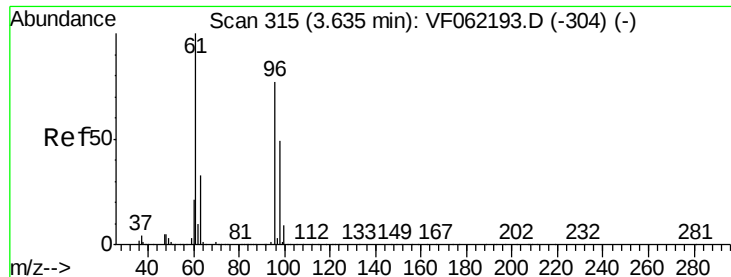
Tgt Ion: 77 Resp: 235555

Ion Ratio Lower Upper

77 100

97 21.2 11.1 33.3



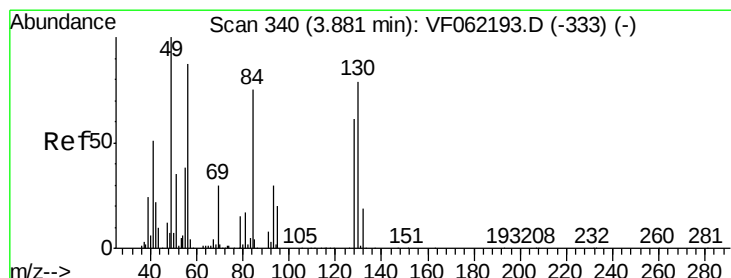
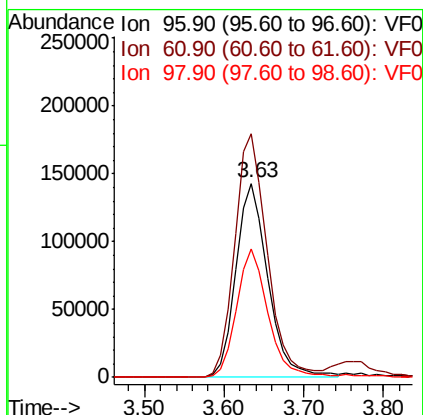
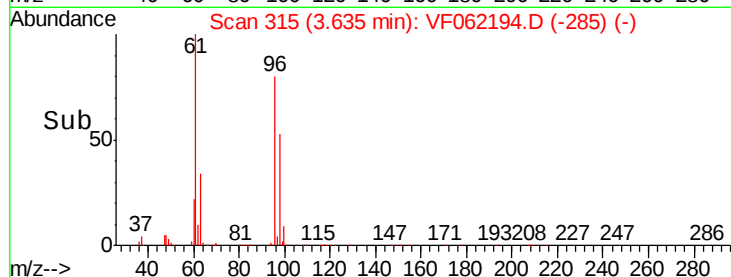
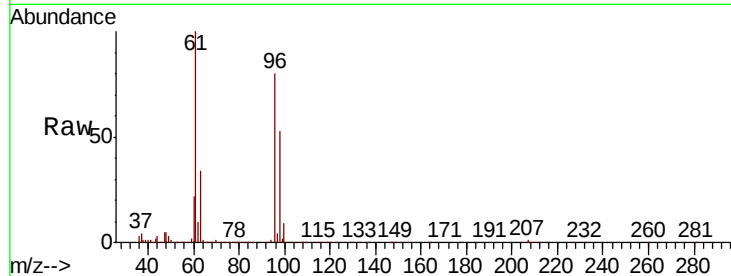


#27

cis-1,2-Dichloroethene
Concen: 75.072 ug/l
RT: 3.63 min Scan# 315
Delta R.T. -0.00 min
Lab File: VF062194.D
Acq: 17 Apr 2019 19:07

Instrument :
MSVOA_F
ClientSampleId :

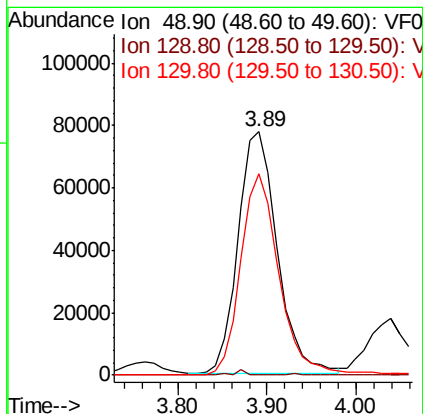
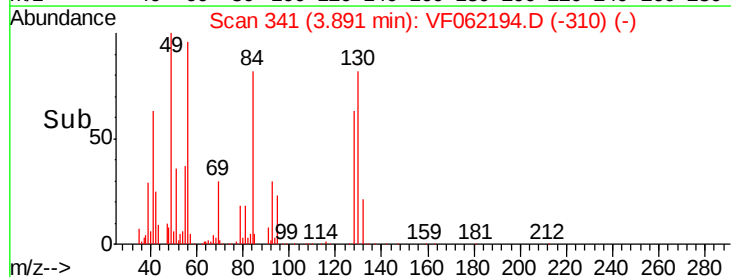
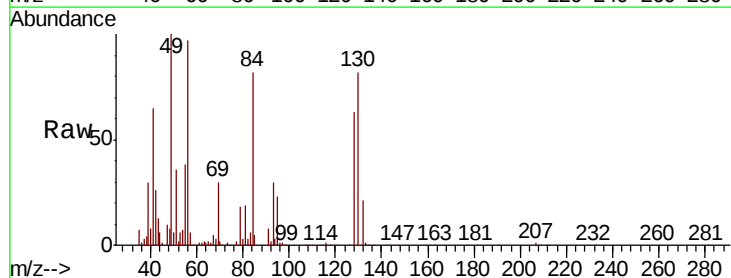
Tot Ion	Ratio	Lower	Upper
96	100		
61	127.2	0.0	253.6
98	64.4	0.0	124.8

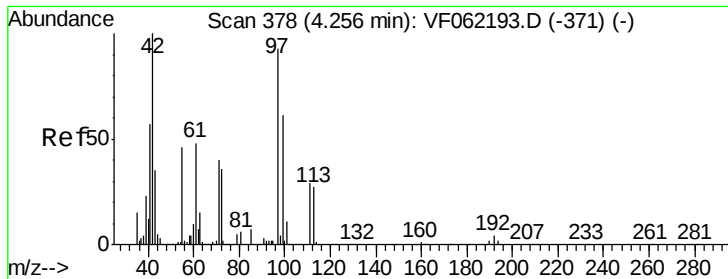


#28

Bromochloromethane
Concen: 57.870 ug/l
RT: 3.89 min Scan# 341
Delta R.T. 0.01 min
Lab File: VF062194.D
Acq: 17 Apr 2019 19:07

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.5	0.0	0.0#
130	82.1	66.6	100.0





#29

Tetrahydrofuran

Concen: 98.692 ug/l

RT: 4.26 min Scan# 378

Delta R.T. -0.00 min

Lab File: VF062194.D

Acq: 17 Apr 2019 19:07

Instrument :
MSVOA_F
ClientSampled :

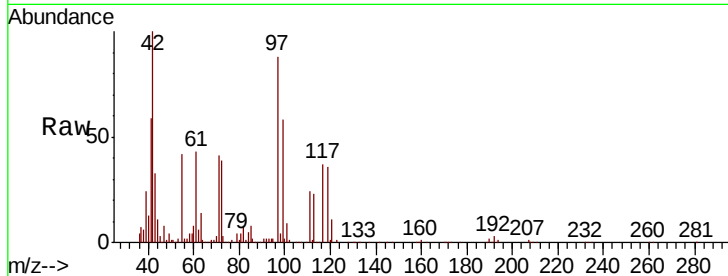
Tot Ion: 42 Resp: 270465

Ion Ratio Lower Upper

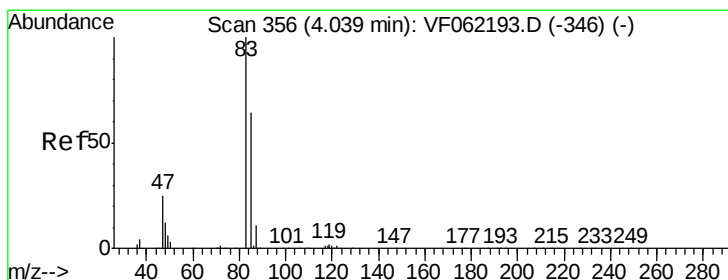
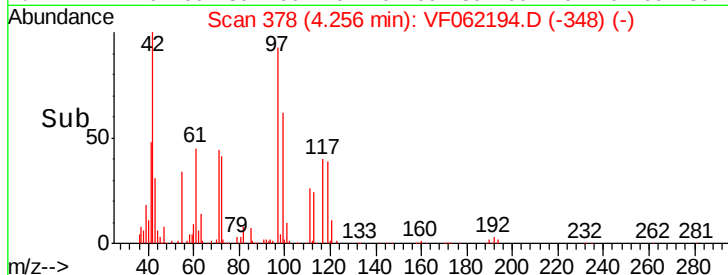
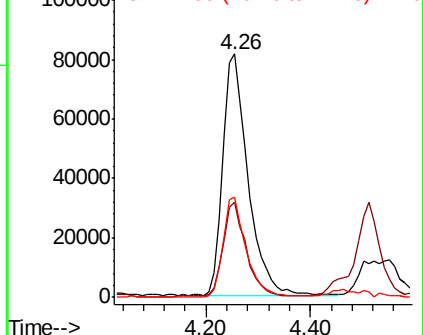
42 100

72 35.1 28.6 43.0

71 38.0 29.2 43.8



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: 72.549 ug/l

RT: 4.04 min Scan# 356

Delta R.T. -0.00 min

Lab File: VF062194.D

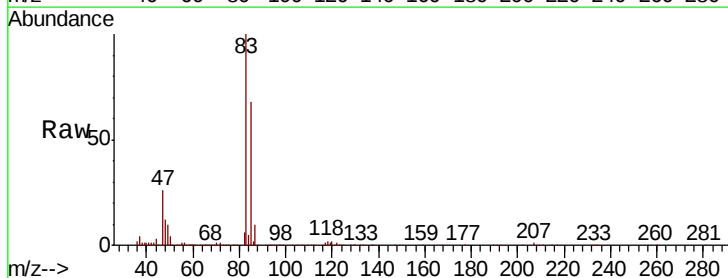
Acq: 17 Apr 2019 19:07

Tgt Ion: 83 Resp: 599709

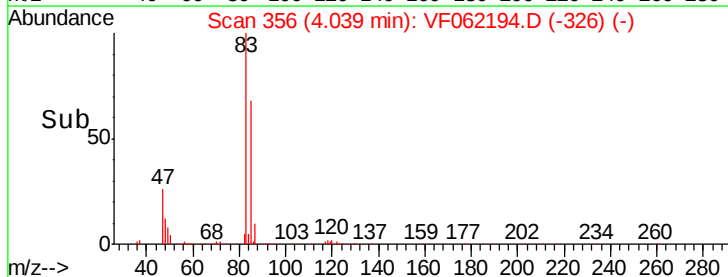
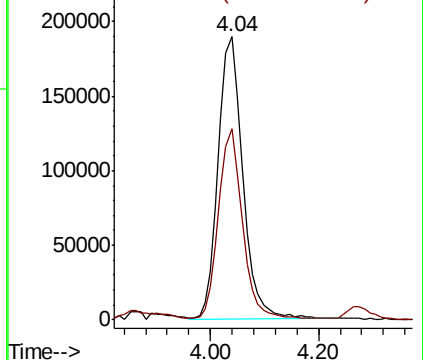
Ion Ratio Lower Upper

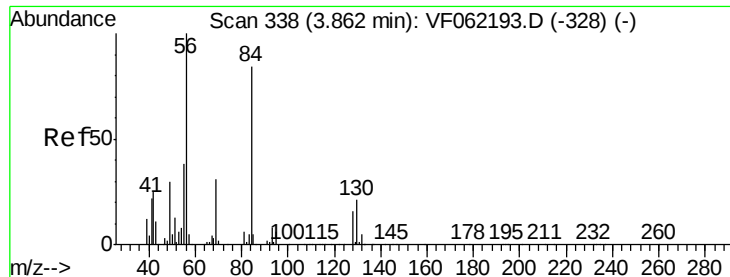
83 100

85 67.5 51.8 77.8



Abundance Ion 82.90 (82.60 to 83.60): VF0
Ion 84.90 (84.60 to 85.60): VF0

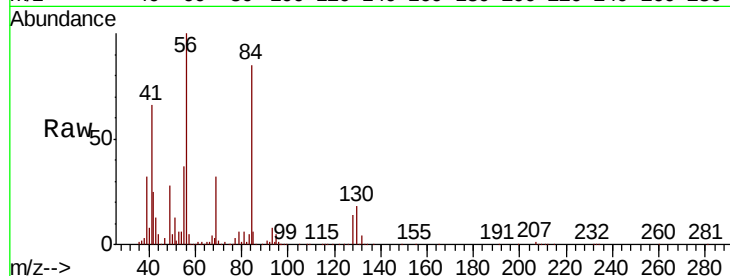




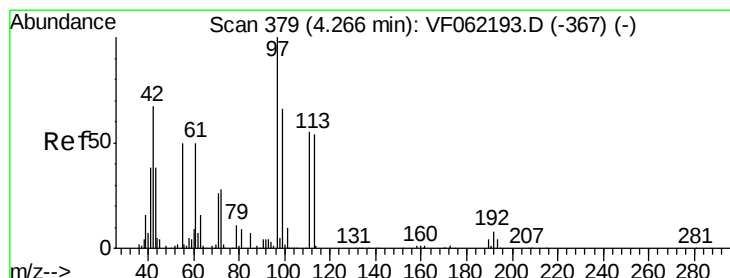
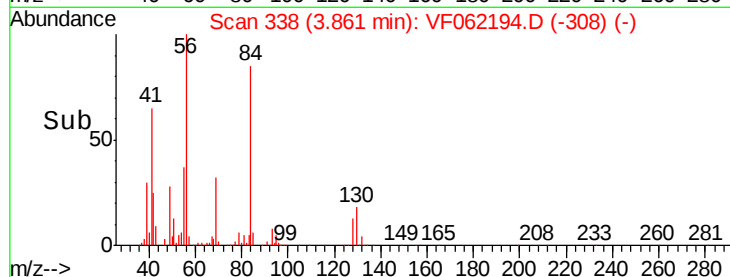
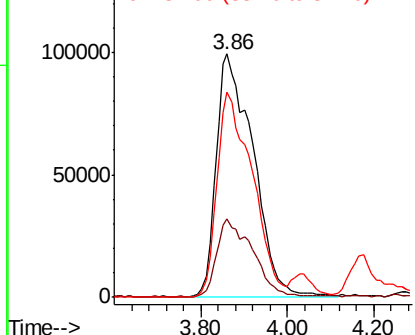
#31
Cyclohexane
Concen: 65.526 ug/l
RT: 3.86 min Scan# 338
Delta R.T. -0.00 min
Lab File: VF062194.D
Acq: 17 Apr 2019 19:07

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 56 Resp: 581834
Ion Ratio Lower Upper
56 100
69 32.1 25.1 37.7
84 84.5 67.8 101.6

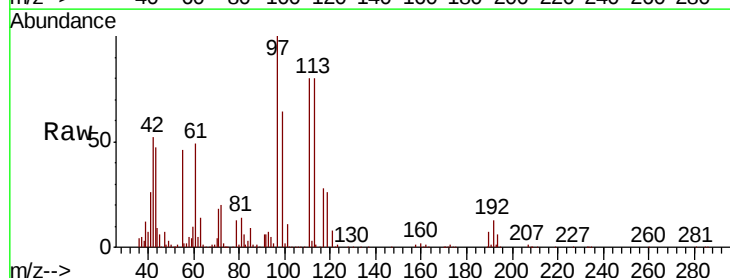


Abundance Ion 56.00 (55.70 to 56.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 84.00 (83.70 to 84.70): VF0

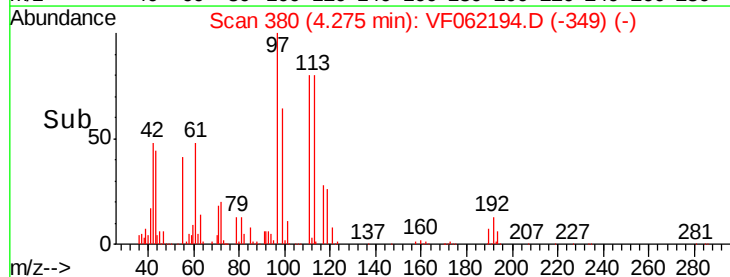
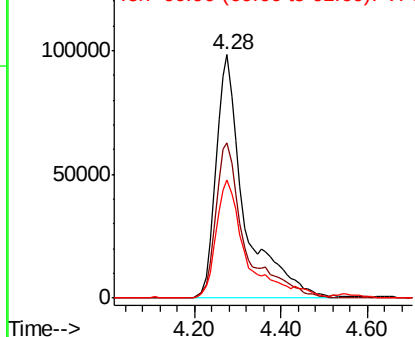


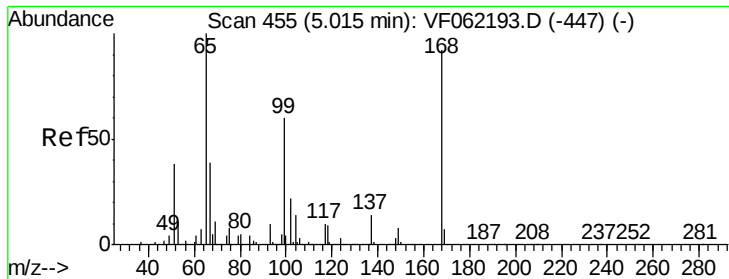
#32
1,1,1-Trichloroethane
Concen: 68.962 ug/l
RT: 4.28 min Scan# 380
Delta R.T. 0.01 min
Lab File: VF062194.D
Acq: 17 Apr 2019 19:07

Tgt Ion: 97 Resp: 446247
Ion Ratio Lower Upper
97 100
99 65.9 52.7 79.1
61 49.5 53.0 79.4#



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: 51.002 ug/l

RT: 5.01 min Scan# 455

Delta R.T. -0.00 min

Lab File: VF062194.D

Acq: 17 Apr 2019 19:07

Instrument :

MSVOA_F

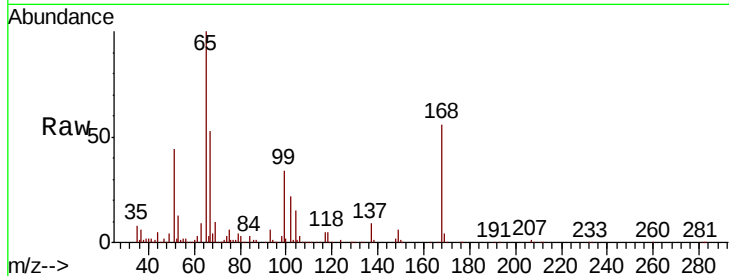
ClientSampled :

Tot Ion: 65 Resp: 269773

Ion Ratio Lower Upper

65 100

67 52.4 0.0 109.4



Abundance Ion 64.90 (64.60 to 65.60): VF0

Ion 66.90 (66.60 to 67.60): VF0

5.01

100000

80000

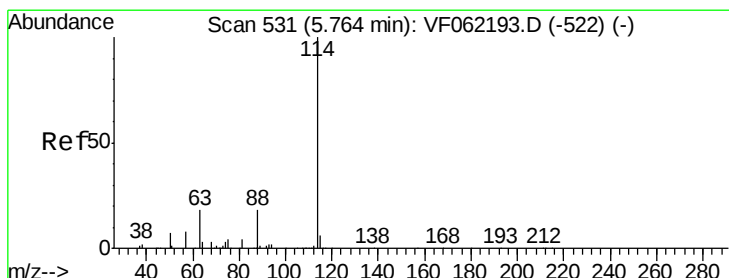
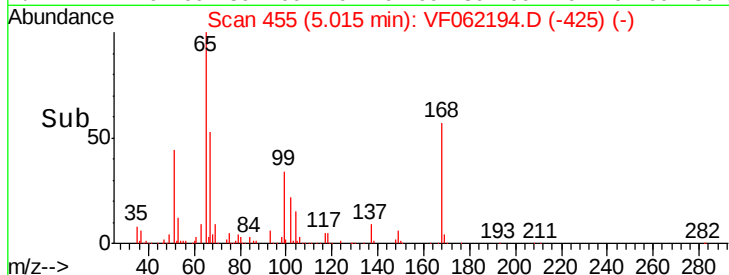
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.76 min Scan# 531

Delta R.T. -0.00 min

Lab File: VF062194.D

Acq: 17 Apr 2019 19:07

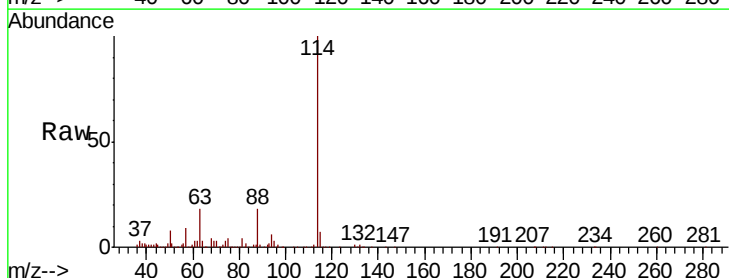
Tgt Ion: 114 Resp: 592015

Ion Ratio Lower Upper

114 100

63 18.4 0.0 36.6

88 17.8 0.0 35.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 87.90 (87.60 to 88.60): VF0

300000

250000

200000

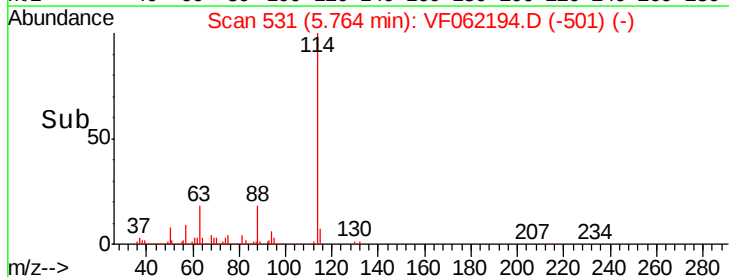
150000

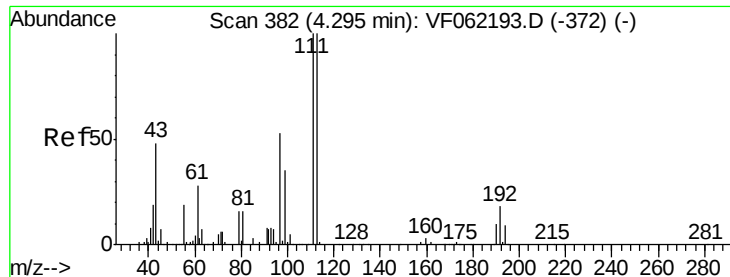
100000

50000

0

Time-->

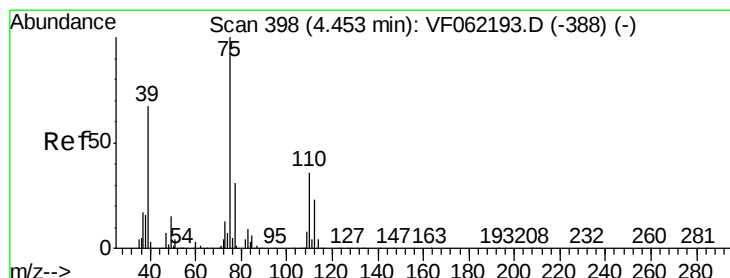
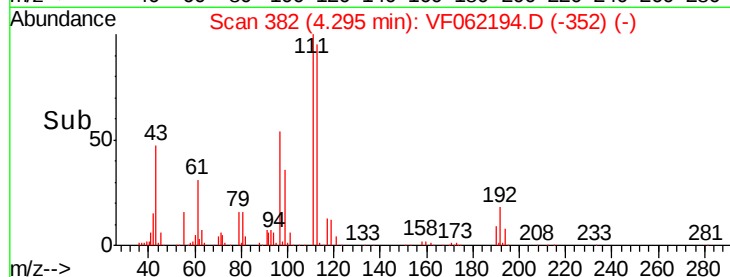
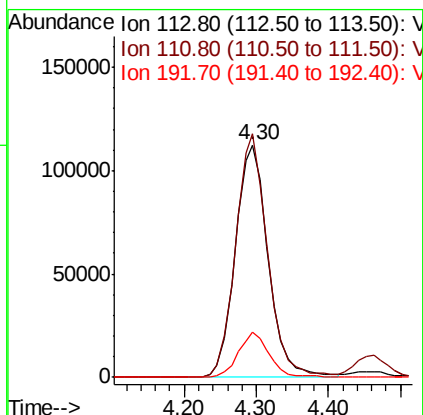
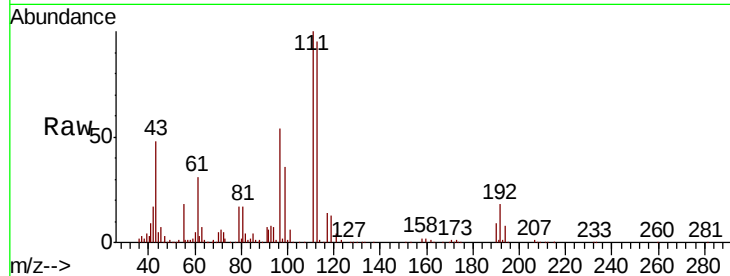




#35
 Dibromofluoromethane
 Concen: 87.793 ug/l
 RT: 4.30 min Scan# 382
 Delta R.T. -0.00 min
 Lab File: VF062194.D
 Acq: 17 Apr 2019 19:07

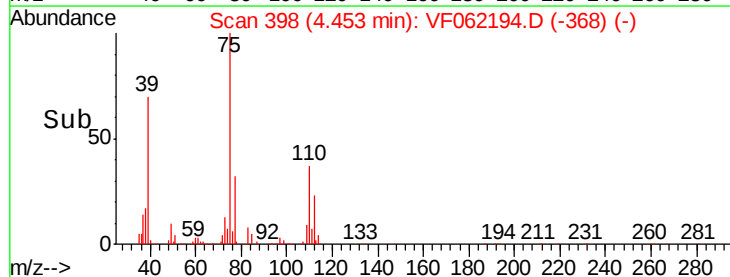
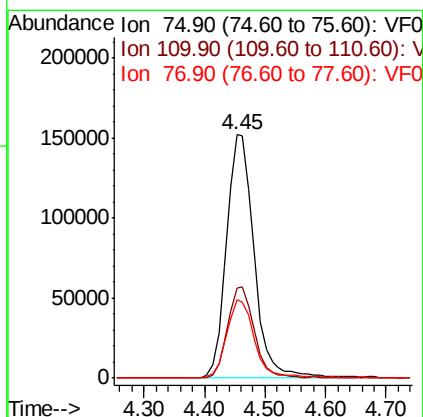
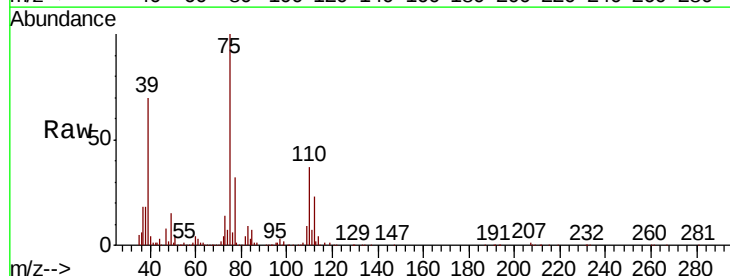
Instrument :
 MSVOA_F
 ClientSampleId :

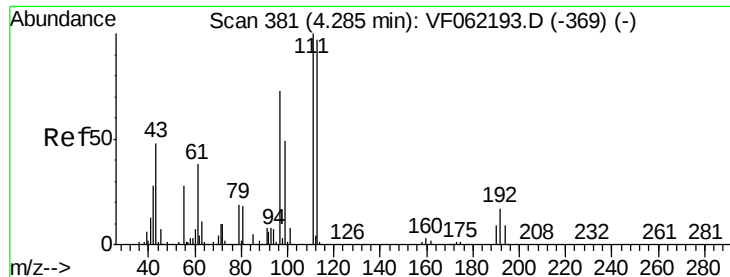
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.1	121.7
192	18.5	14.7	22.1



#36
 1,1-Dichloropropene
 Concen: 75.563 ug/l
 RT: 4.45 min Scan# 398
 Delta R.T. -0.00 min
 Lab File: VF062194.D
 Acq: 17 Apr 2019 19:07

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.6	18.4	55.2
77	31.7	25.4	38.2





#37

Ethyl Acetate

Concen: 30.489 ug/l

RT: 4.30 min Scan# 382

Delta R.T. 0.01 min

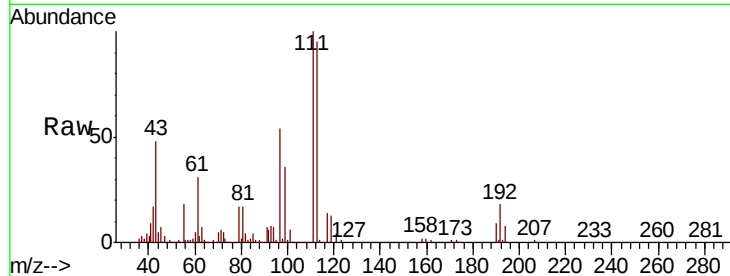
Lab File: VF062194.D

Acq: 17 Apr 2019 19:07

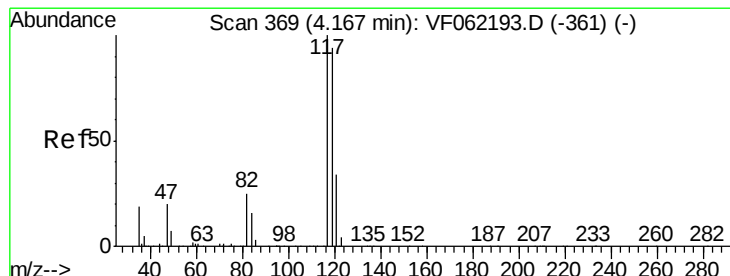
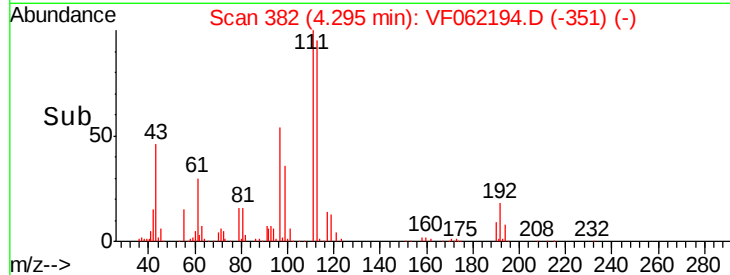
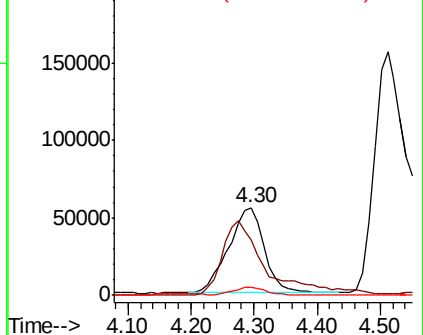
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 216438

Ion	Ratio	Lower	Upper
43	100		
61	102.1	0.0	0.0#
70	9.7	7.8	11.6



Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 60.90 (60.60 to 61.60): VF0
Ion 70.00 (69.70 to 70.70): VF0



#38

Carbon Tetrachloride

Concen: 101.902 ug/l

RT: 4.17 min Scan# 369

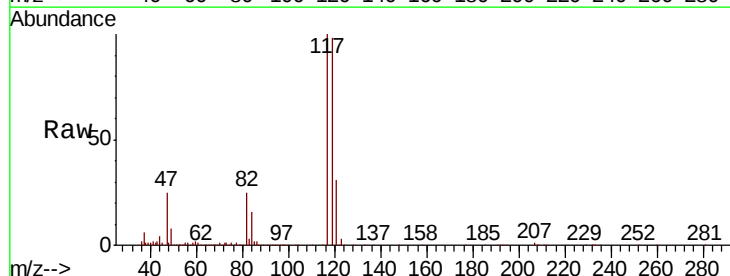
Delta R.T. -0.00 min

Lab File: VF062194.D

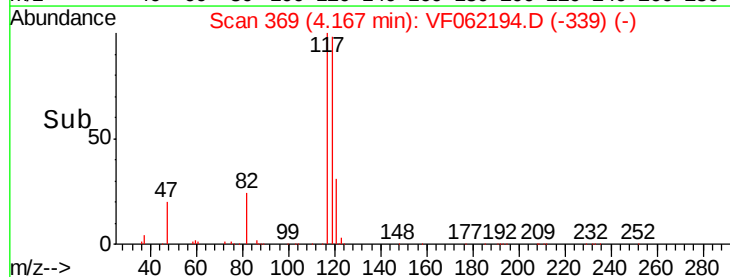
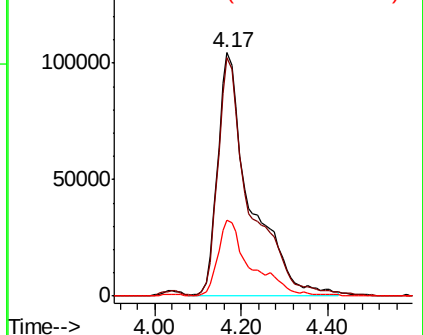
Acq: 17 Apr 2019 19:07

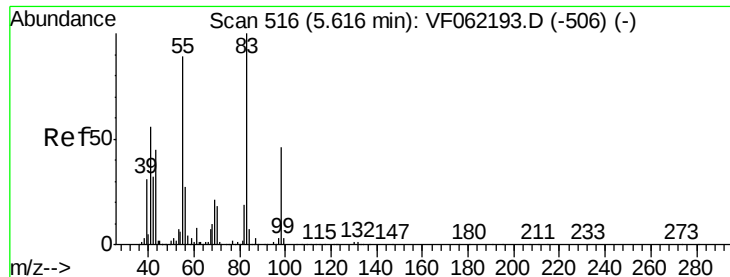
Tgt Ion: 117 Resp: 540410

Ion	Ratio	Lower	Upper
117	100		
119	97.9	75.0	112.4
121	31.1	26.9	40.3



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

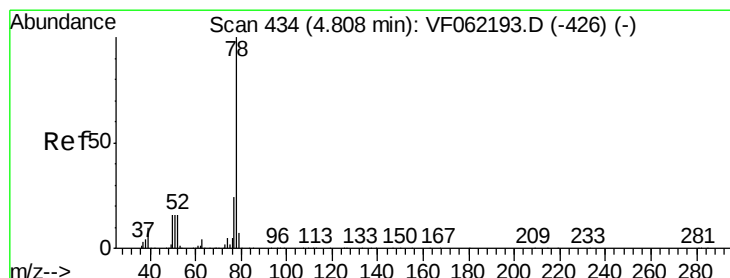
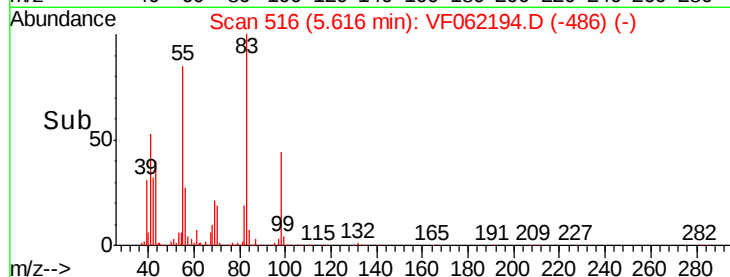
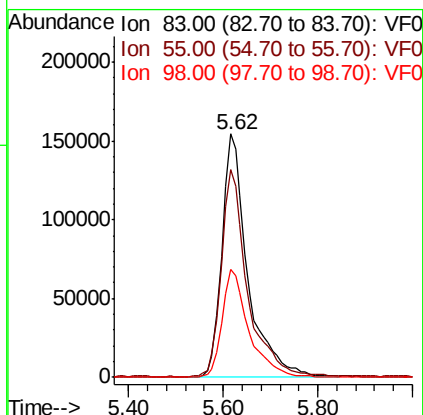
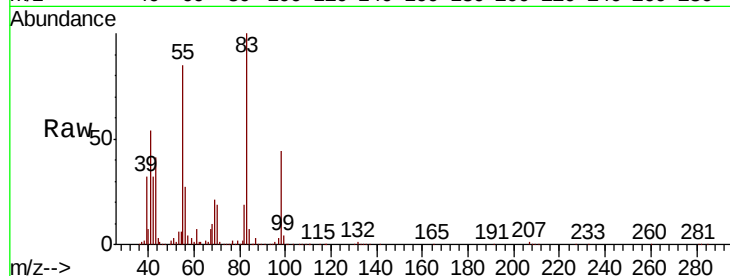




#39
Methvlcvclohexane
Concen: 76.005 ug/l
RT: 5.62 min Scan# 516
Delta R.T. -0.00 min
Lab File: VF062194.D
Acq: 17 Apr 2019 19:07

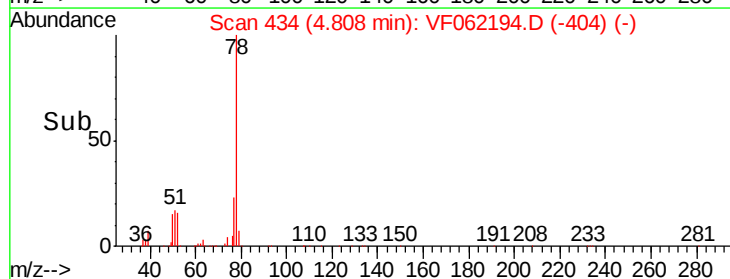
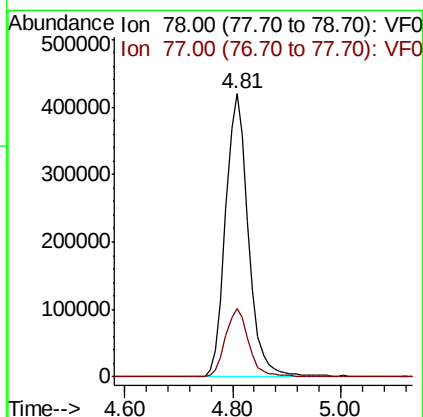
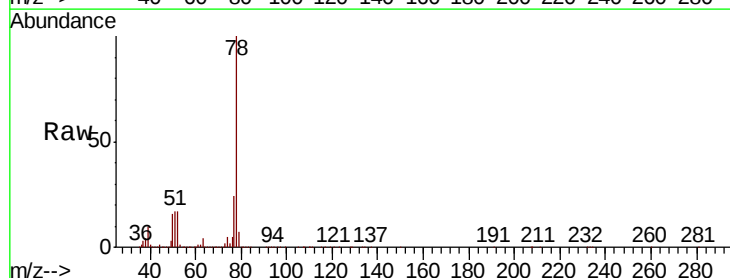
Instrument :
MSVOA_F
ClientSampleId :

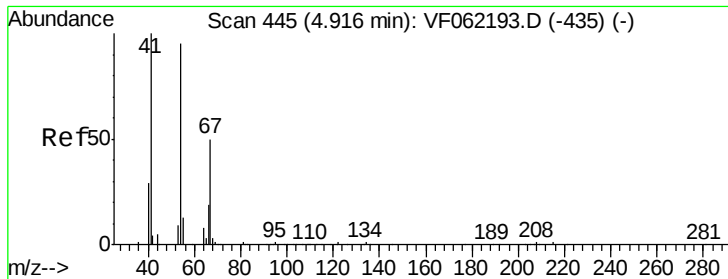
Tot Ion	83	Resp	582533
Ion	Ratio	Lower	Upper
83	100		
55	85.1	71.0	106.6
98	44.2	36.7	55.1



#40
Benzene
Concen: 67.559 ug/l
RT: 4.81 min Scan# 434
Delta R.T. -0.00 min
Lab File: VF062194.D
Acq: 17 Apr 2019 19:07

Tgt Ion	78	Resp	1229676
Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.9	28.3

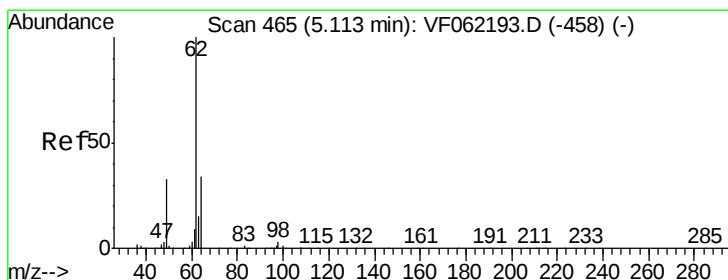
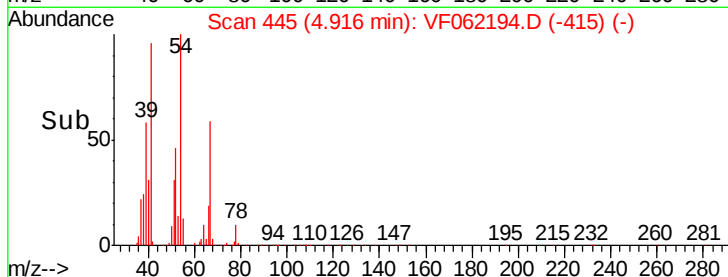
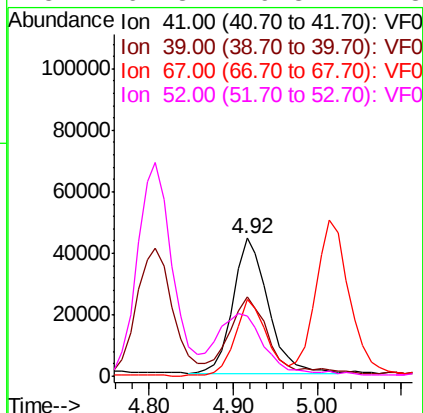
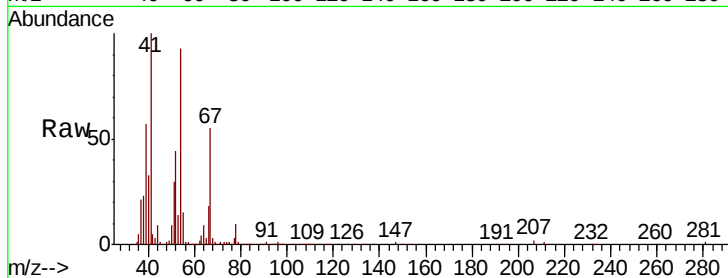




#41
Methacrylonitrile
Concen: 31.120 ug/l
RT: 4.92 min Scan# 445
Delta R.T. -0.00 min
Lab File: VF062194.D
Acq: 17 Apr 2019 19:07

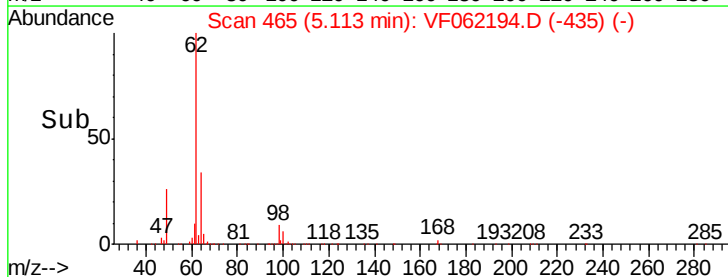
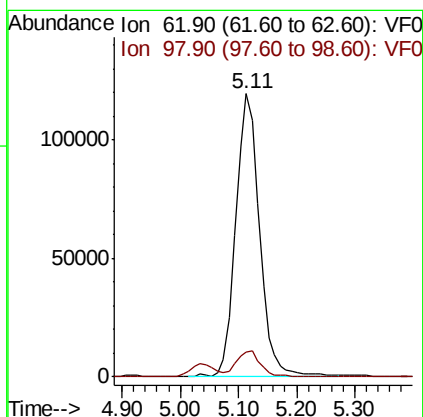
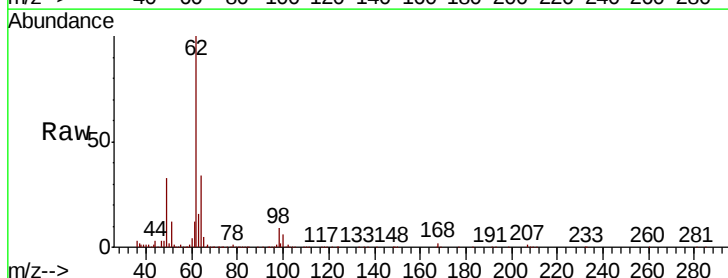
Instrument :
MSVOA_F
ClientSampled :

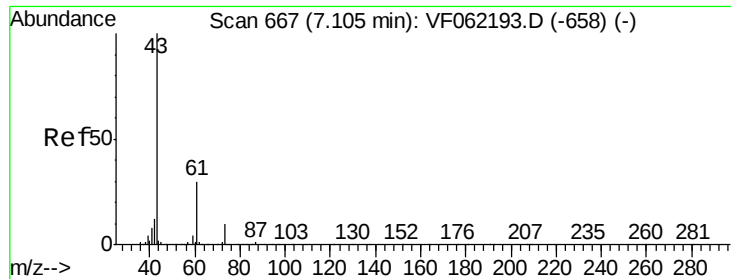
Tot Ion:	41	Resp:	127746
Ion	Ratio	Lower	Upper
41	100		
39	62.2	44.7	67.1
67	51.0	39.1	58.7
52	64.3	49.8	74.8



#42
1,2-Dichloroethane
Concen: 55.142 ug/l
RT: 5.11 min Scan# 465
Delta R.T. -0.00 min
Lab File: VF062194.D
Acq: 17 Apr 2019 19:07

Tgt Ion:	62	Resp:	341694
Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	19.0



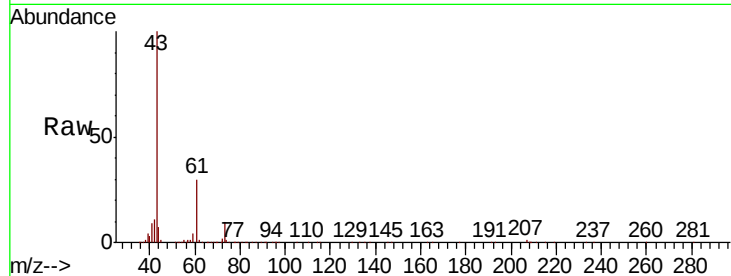


#43

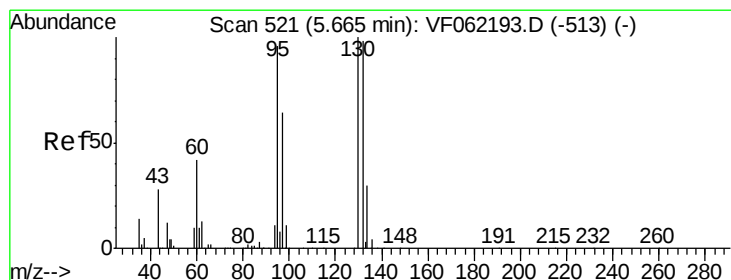
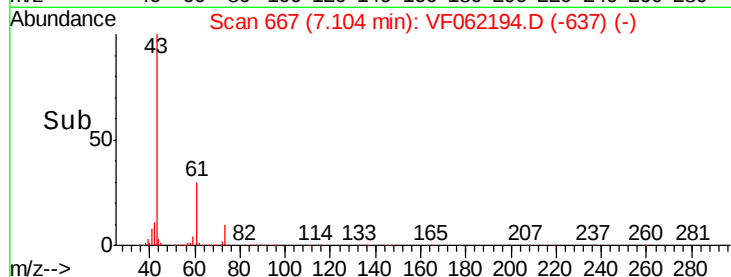
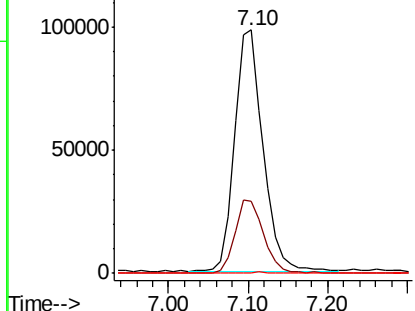
Isopropyl Acetate
 Concen: 21.757 ug/l
 RT: 7.10 min Scan# 667
 Delta R.T. -0.00 min
 Lab File: VF062194.D
 Acq: 17 Apr 2019 19:07

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.9	24.4	36.6
87	0.4	0.4	0.6



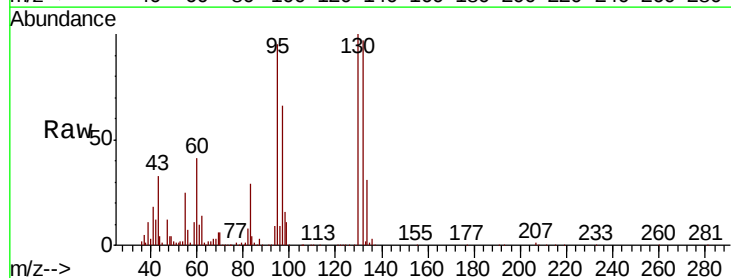
Abundance Ion 43.00 (42.70 to 43.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 87.00 (86.70 to 87.70): VF0



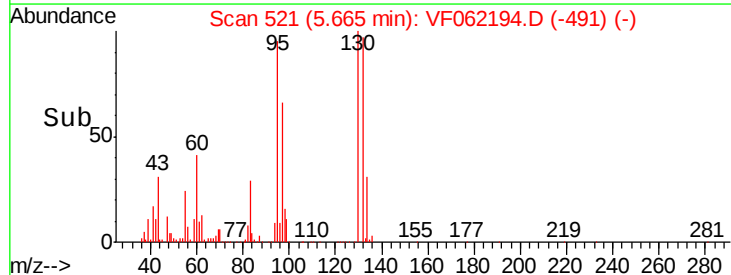
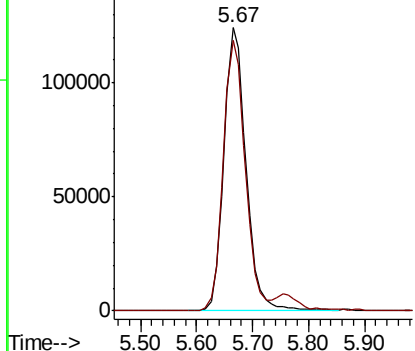
#44

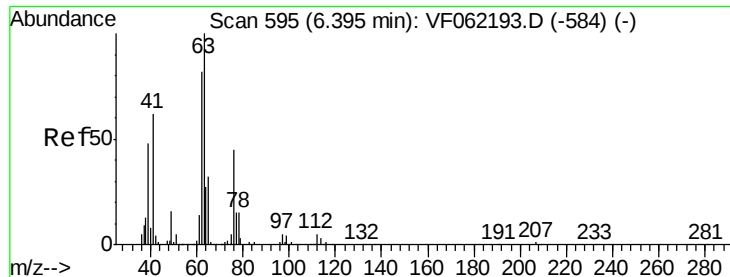
Trichloroethene
 Concen: 74.811 ug/l
 RT: 5.67 min Scan# 521
 Delta R.T. -0.00 min
 Lab File: VF062194.D
 Acq: 17 Apr 2019 19:07

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.3	0.0	191.4



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

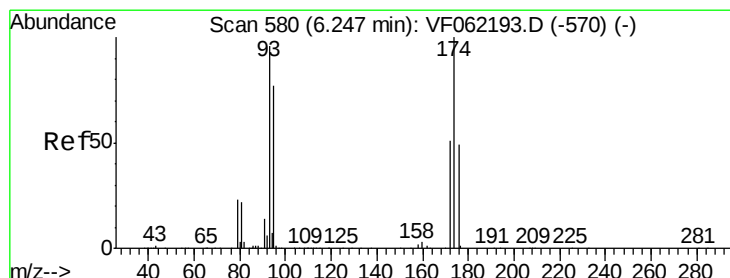
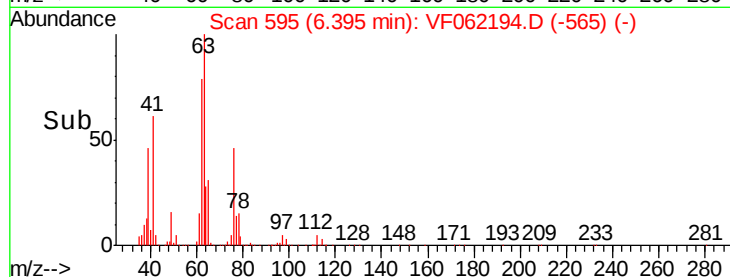
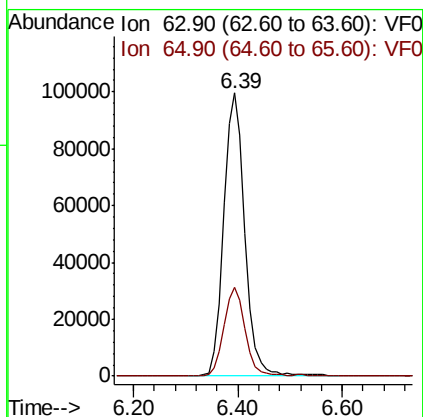
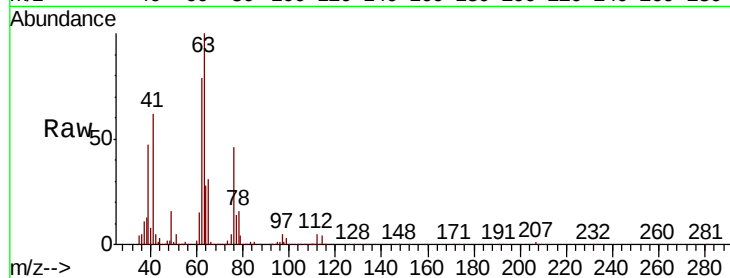




#45
 1,2-Dichloropropane
 Concen: 57.345 ug/l
 RT: 6.39 min Scan# 595
 Delta R.T. -0.00 min
 Lab File: VF062194.D
 Acq: 17 Apr 2019 19:07

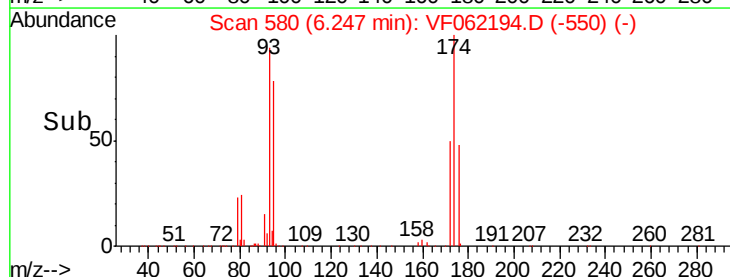
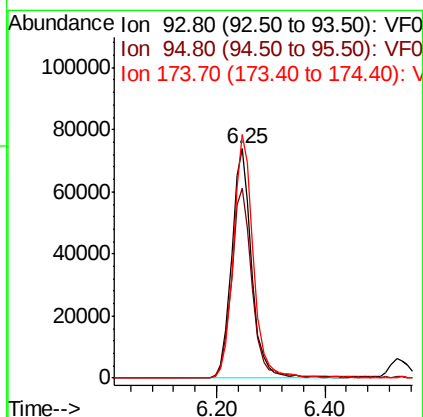
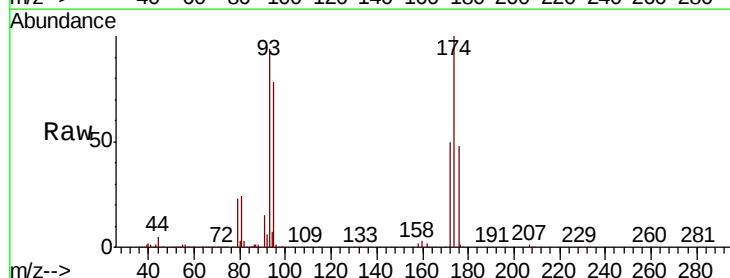
Instrument :
 MSVOA_F
 ClientSampled :

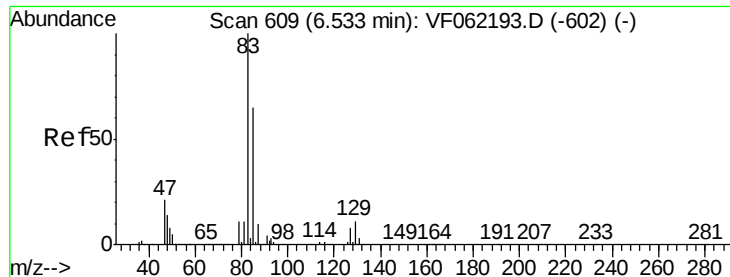
Tot Ion: 63 Resp: 279096
 Ion Ratio Lower Upper
 63 100
 65 31.2 25.9 38.9



#46
 Dibromomethane
 Concen: 65.223 ug/l
 RT: 6.25 min Scan# 580
 Delta R.T. -0.00 min
 Lab File: VF062194.D
 Acq: 17 Apr 2019 19:07

Tgt Ion: 93 Resp: 190277
 Ion Ratio Lower Upper
 93 100
 95 84.3 65.1 97.7
 174 105.5 81.8 122.6





#47

Bromodichloromethane

Concen: 72.768 ug/l

RT: 6.54 min Scan# 610

Delta R.T. 0.01 min

Lab File: VF062194.D

Acq: 17 Apr 2019 19:07

Instrument :
MSVOA_F
ClientSampleId :

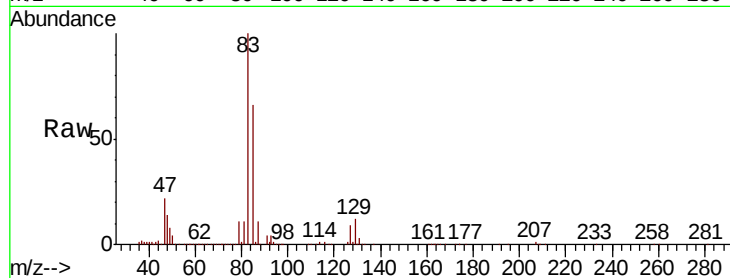
Tot Ion: 83 Resp: 421369

Ion Ratio Lower Upper

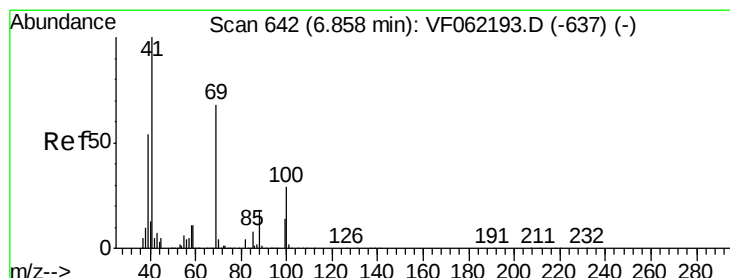
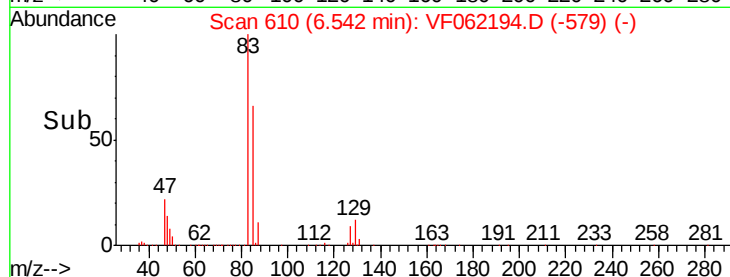
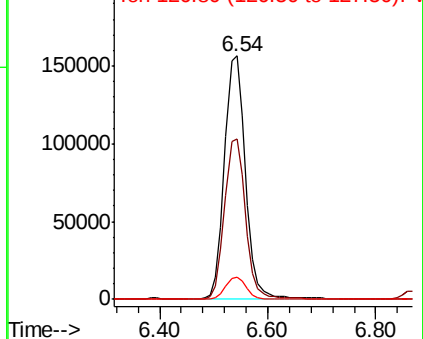
83 100

85 66.0 52.2 78.4

127 9.2 6.7 10.1



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: 28.615 ug/l

RT: 6.86 min Scan# 642

Delta R.T. -0.00 min

Lab File: VF062194.D

Acq: 17 Apr 2019 19:07

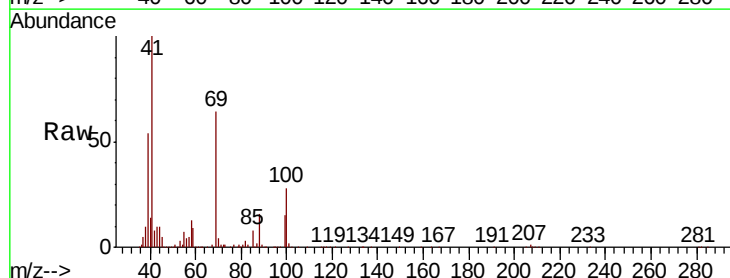
Tgt Ion: 41 Resp: 160579

Ion Ratio Lower Upper

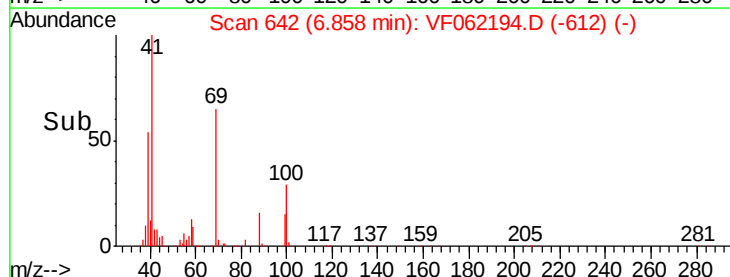
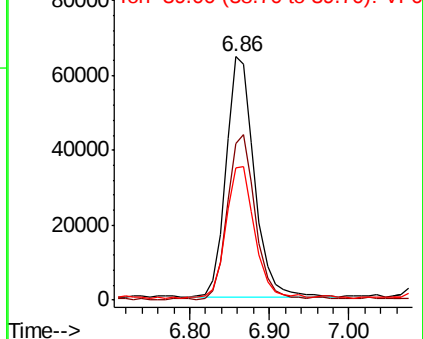
41 100

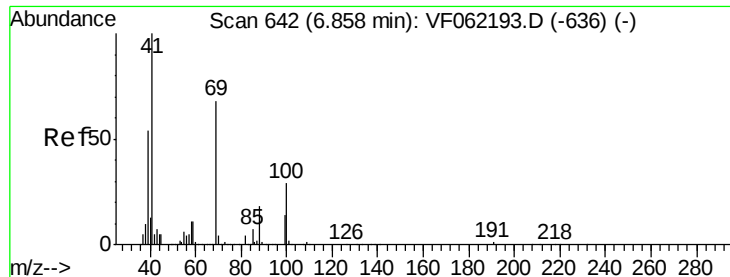
69 67.3 54.9 82.3

39 55.1 43.6 65.4



Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 348.629 ug/l

RT: 6.86 min Scan# 642

Delta R.T. -0.00 min

Lab File: VF062194.D

Acq: 17 Apr 2019 19:07

Instrument :
MSVOA_F
ClientSampled :

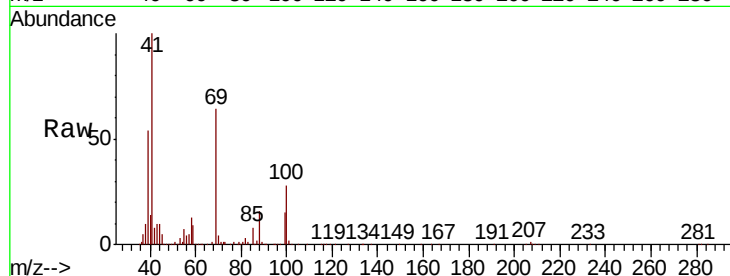
Tot Ion: 88 Resp: 36262

Ion Ratio Lower Upper

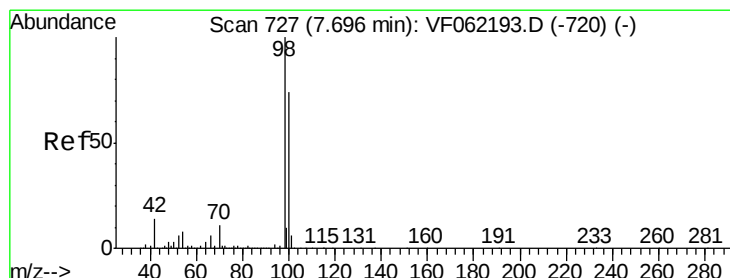
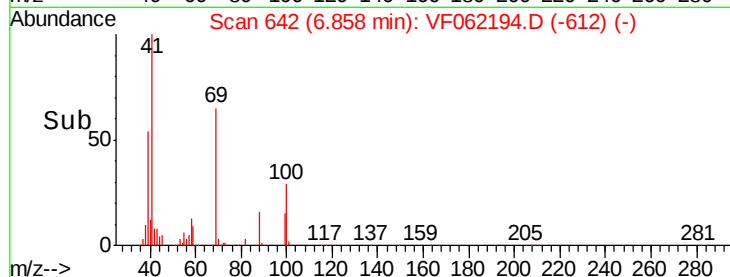
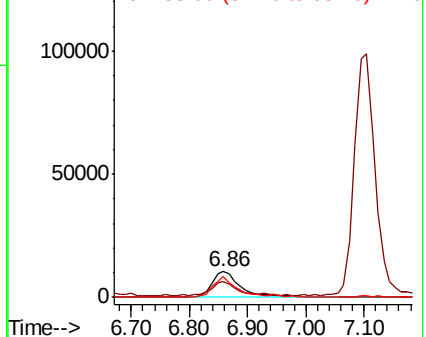
88 100

43 48.8 36.9 55.3

58 71.5 56.8 85.2



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: 62.777 ug/l

RT: 7.70 min Scan# 727

Delta R.T. -0.00 min

Lab File: VF062194.D

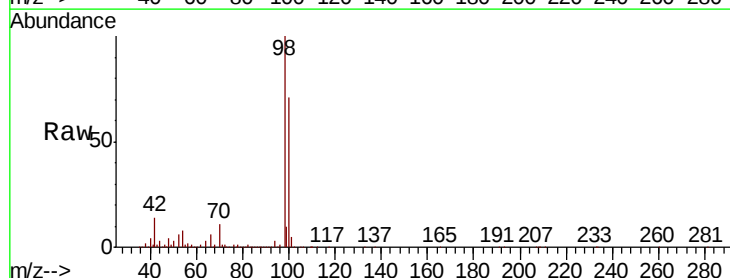
Acq: 17 Apr 2019 19:07

Tgt Ion: 98 Resp: 929248

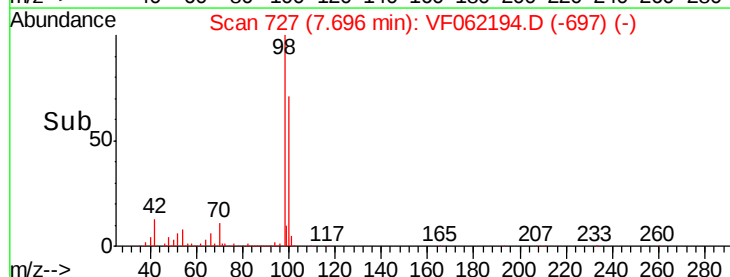
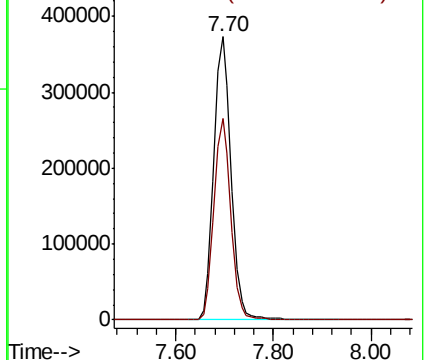
Ion Ratio Lower Upper

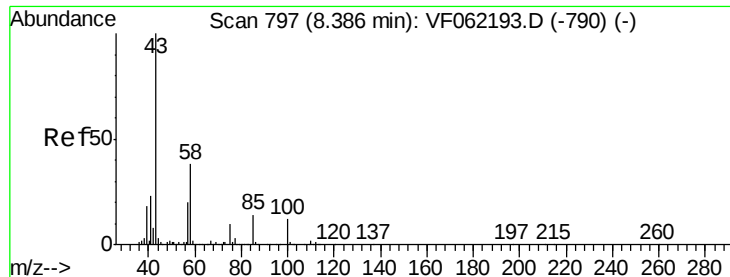
98 100

100 69.4 56.2 84.2



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: 121.384 ug/l

RT: 8.39 min Scan# 797

Delta R.T. -0.00 min

Lab File: VF062194.D

Acq: 17 Apr 2019 19:07

Instrument :

MSVOA_F

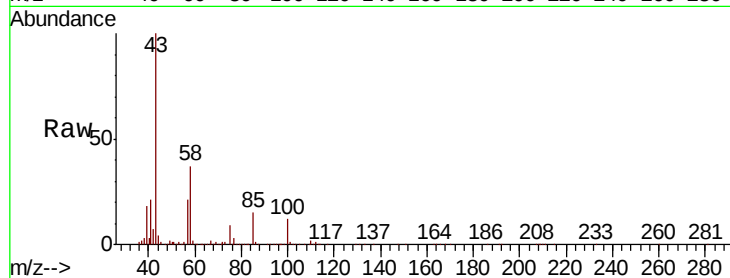
ClientSampleId :

Tot Ion: 43 Resp: 872268

Ion Ratio Lower Upper

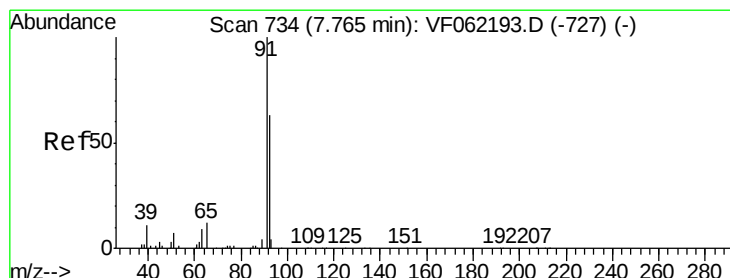
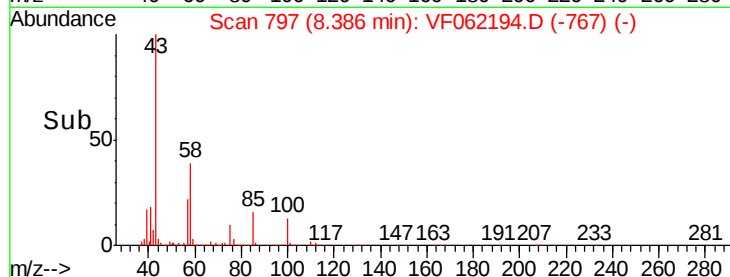
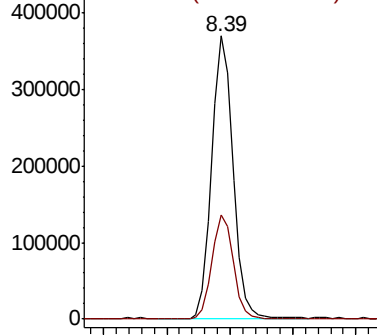
43 100

58 36.6 29.3 43.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 60.747 ug/l

RT: 7.76 min Scan# 734

Delta R.T. -0.00 min

Lab File: VF062194.D

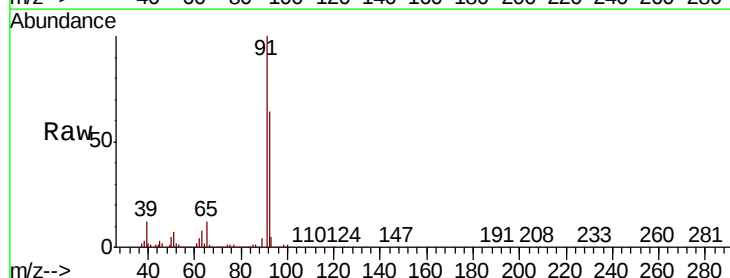
Acq: 17 Apr 2019 19:07

Tgt Ion: 92 Resp: 653163

Ion Ratio Lower Upper

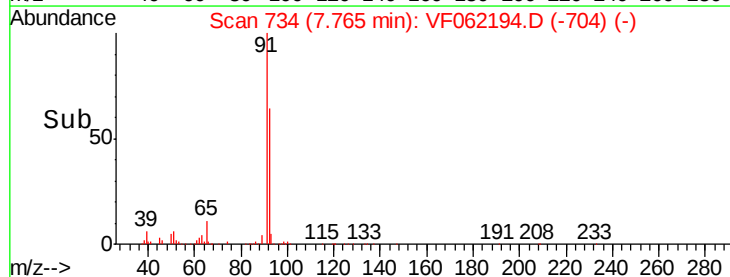
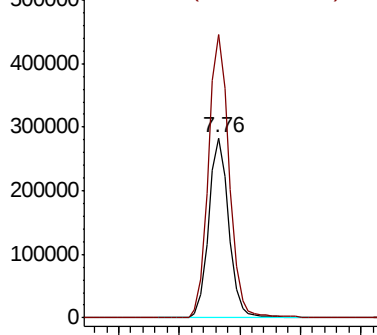
92 100

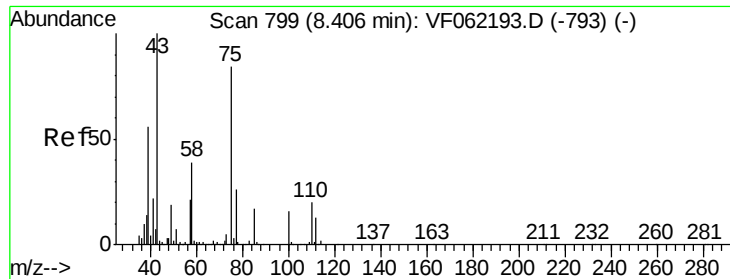
91 163.1 130.1 195.1



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

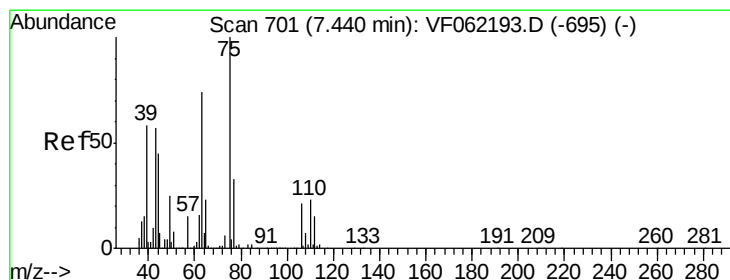
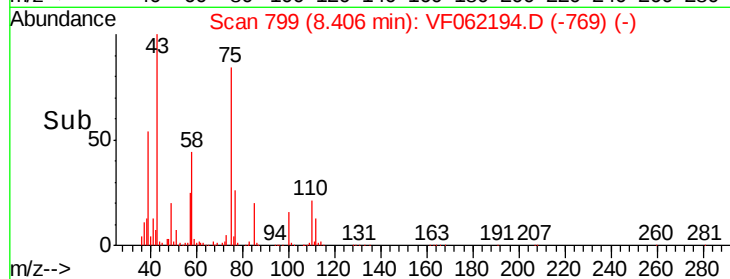
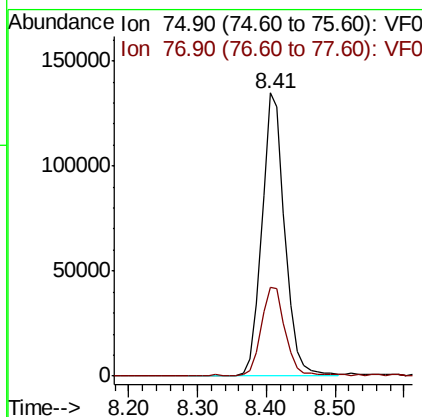
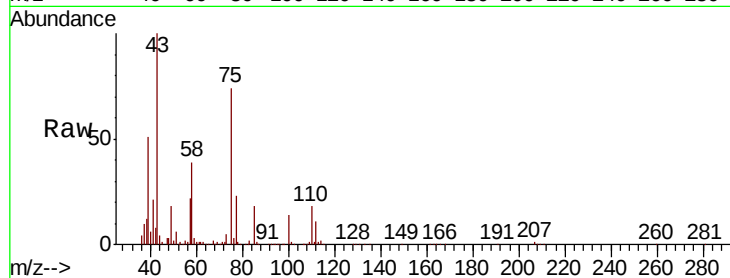




#53
t-1,3-Dichloropropene
Concen: 50.432 ug/l
RT: 8.41 min Scan# 799
Delta R.T. -0.00 min
Lab File: VF062194.D
Acq: 17 Apr 2019 19:07

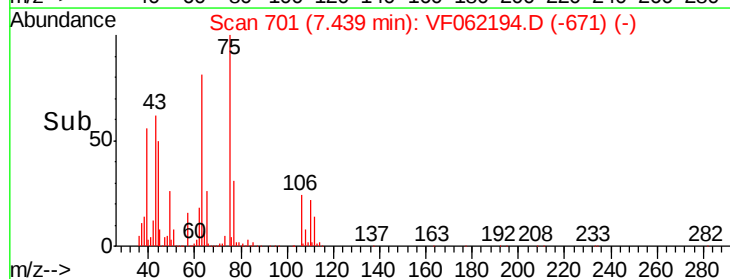
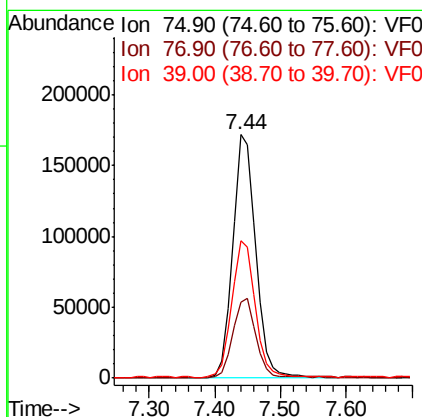
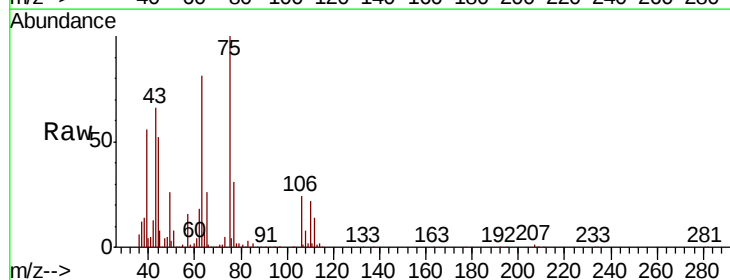
Instrument :
MSVOA_F
ClientSampleId :

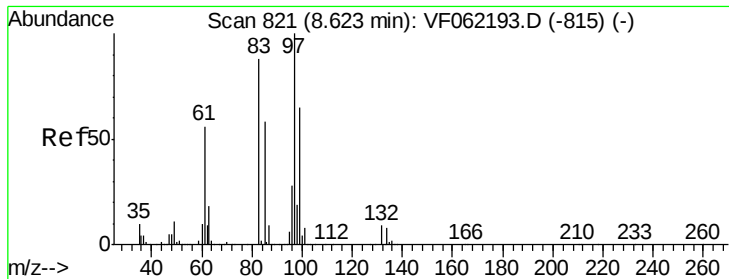
Tot Ion: 75 Resp: 314187
Ion Ratio Lower Upper
75 100
77 31.2 24.6 36.8



#54
cis-1,3-Dichloropropene
Concen: 58.929 ug/l
RT: 7.44 min Scan# 701
Delta R.T. -0.00 min
Lab File: VF062194.D
Acq: 17 Apr 2019 19:07

Tgt Ion: 75 Resp: 423015
Ion Ratio Lower Upper
75 100
77 31.2 26.4 39.6
39 56.0 46.7 70.1





#55

1,1,2-Trichloroethane

Concen: 46.813 ug/l

RT: 8.62 min Scan# 821

Delta R.T. -0.00 min

Lab File: VF062194.D

Acq: 17 Apr 2019 19:07

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 97 Resp: 189694

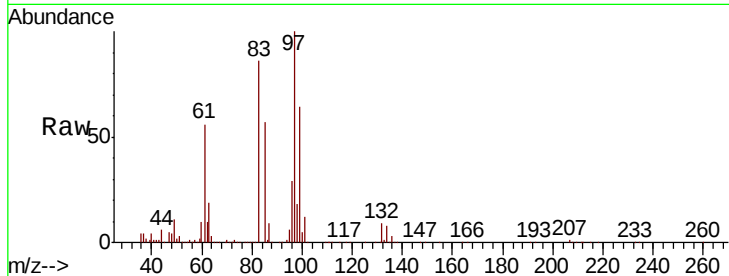
Ion	Ratio	Lower	Upper
97	100		
83	86.0	70.2	105.2
85	56.5	46.2	69.4
99	63.8	52.2	78.4

97 100

83 86.0 70.2 105.2

85 56.5 46.2 69.4

99 63.8 52.2 78.4



Abundance

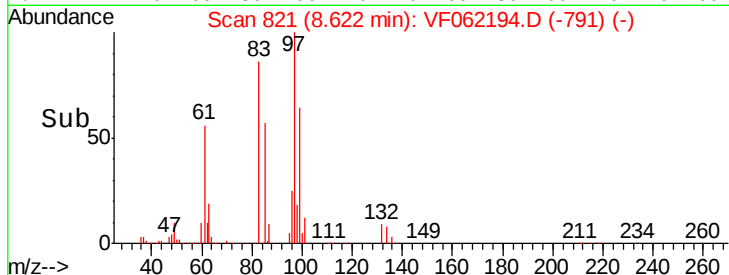
Ion 96.90 (96.60 to 97.60): VF0

Ion 82.90 (82.60 to 83.60): VF0

Ion 84.90 (84.60 to 85.60): VF0

Ion 98.90 (98.60 to 99.60): VF0

Time-->



8.62

8.60

8.62

8.64

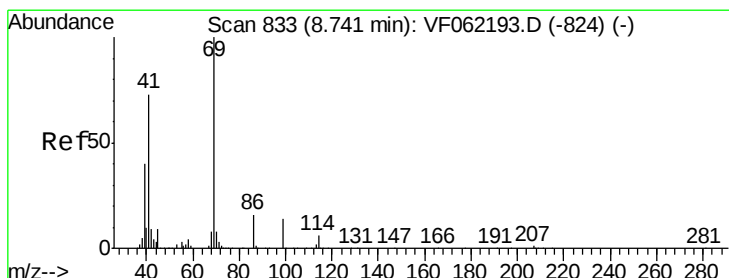
8.66

8.68

8.70

8.72

8.74



#56

Ethyl methacrylate

Concen: 31.732 ug/l

RT: 8.74 min Scan# 833

Delta R.T. -0.00 min

Lab File: VF062194.D

Acq: 17 Apr 2019 19:07

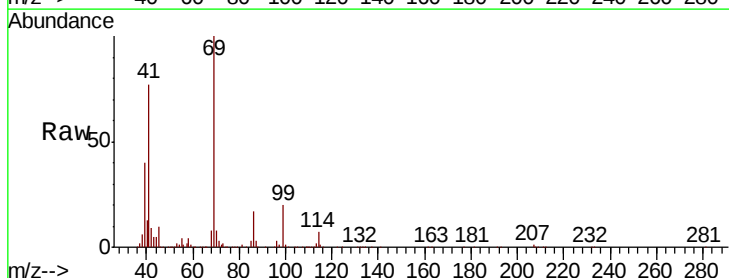
Tgt Ion: 69 Resp: 219575

Ion	Ratio	Lower	Upper
69	100		
41	78.0	61.5	92.3
39	40.5	33.3	49.9

69 100

41 78.0 61.5 92.3

39 40.5 33.3 49.9



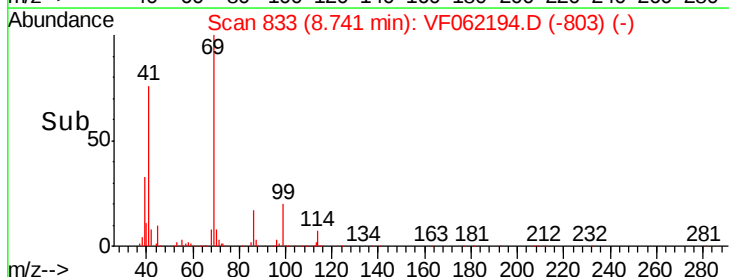
Abundance

Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Time-->



8.74

8.76

8.78

8.80

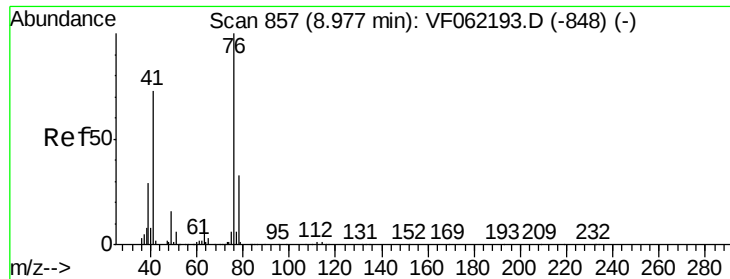
8.82

8.84

8.86

8.88

8.90



#57

1,3-Dichloropropane

Concen: 42.789 ug/l

RT: 8.98 min Scan# 857

Delta R.T. -0.00 min

Lab File: VF062194.D

Acq: 17 Apr 2019 19:07

Instrument :

MSVOA_F

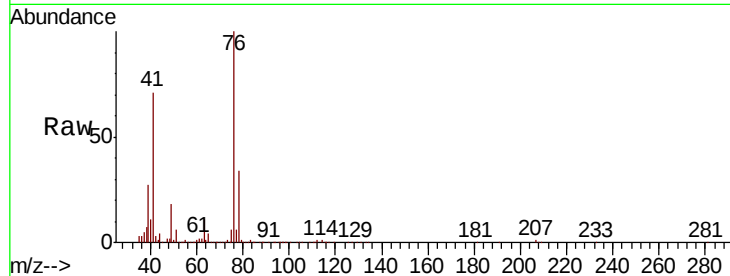
ClientSampleId :

Tot Ion: 76 Resp: 305555

Ion Ratio Lower Upper

76 100

78 33.1 26.5 39.7



Abundance Ion 75.90 (75.60 to 76.60): VF0

Ion 77.90 (77.60 to 78.60): VF0

8.98

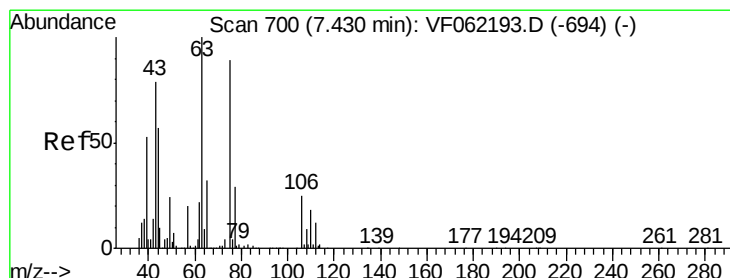
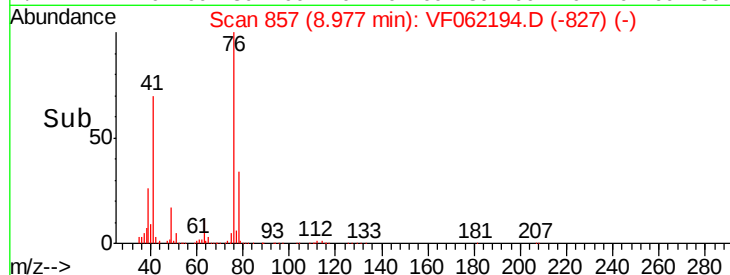
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 96.331 ug/l

RT: 7.43 min Scan# 700

Delta R.T. -0.00 min

Lab File: VF062194.D

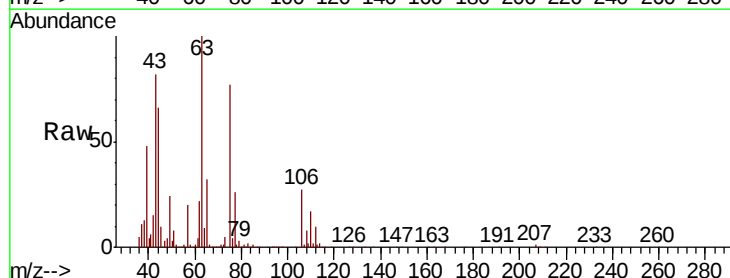
Acq: 17 Apr 2019 19:07

Tgt Ion: 63 Resp: 348043

Ion Ratio Lower Upper

63 100

106 28.1 21.4 32.0



Abundance Ion 62.90 (62.60 to 63.60): VF0

Ion 105.90 (105.60 to 106.60): V

7.43

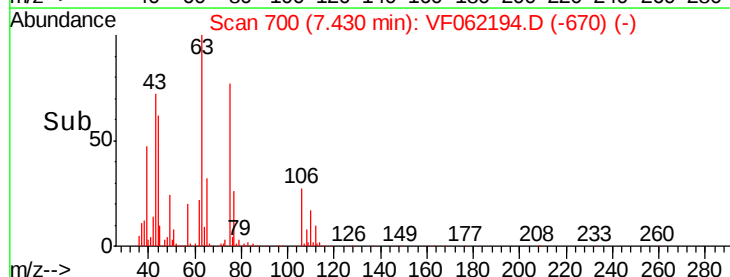
150000

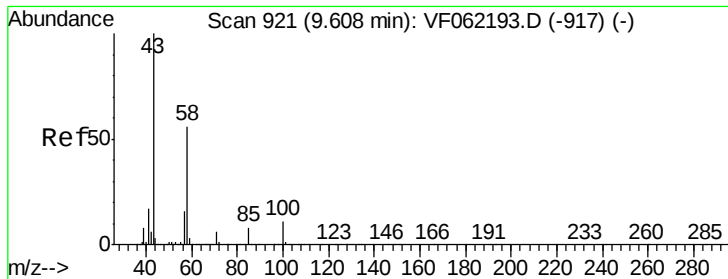
100000

50000

0

Time-->

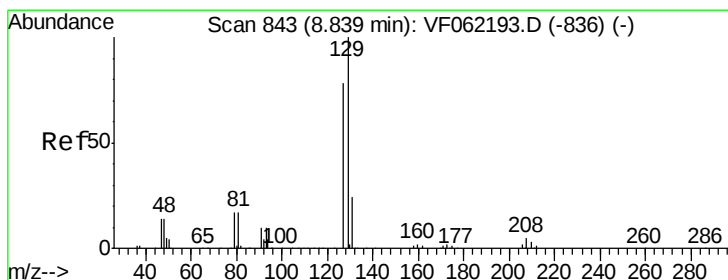
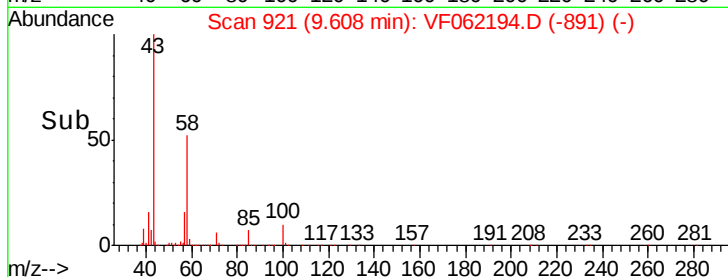
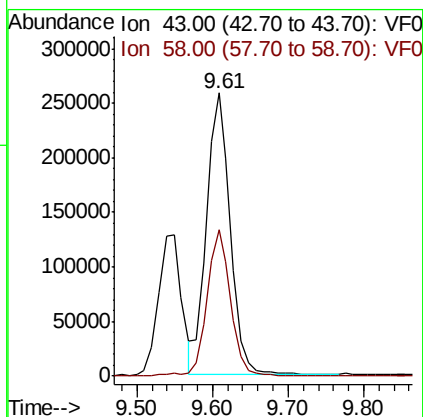
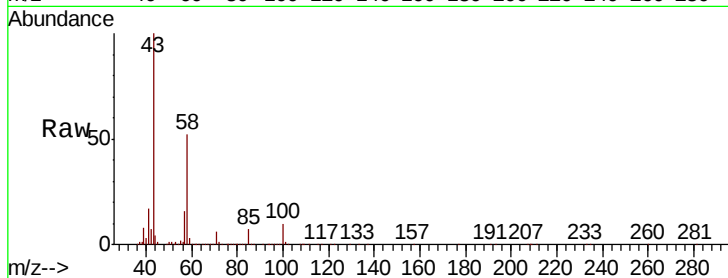




#59
2-Hexanone
Concen: 103.477 ug/l
RT: 9.61 min Scan# 921
Delta R.T. -0.00 min
Lab File: VF062194.D
Acq: 17 Apr 2019 19:07

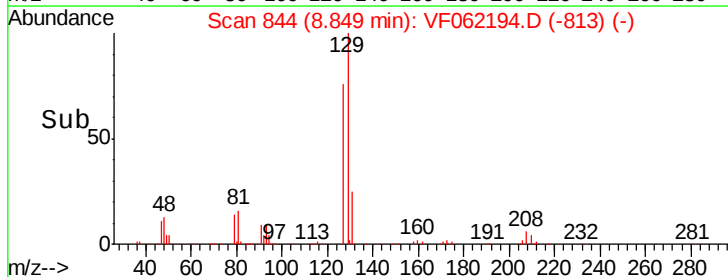
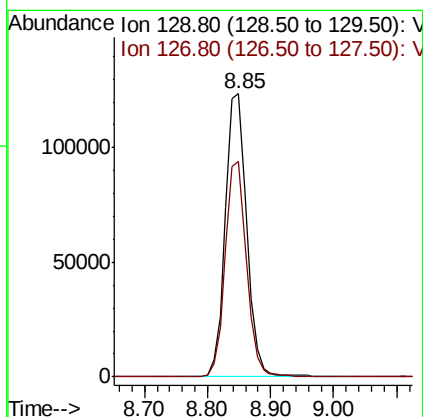
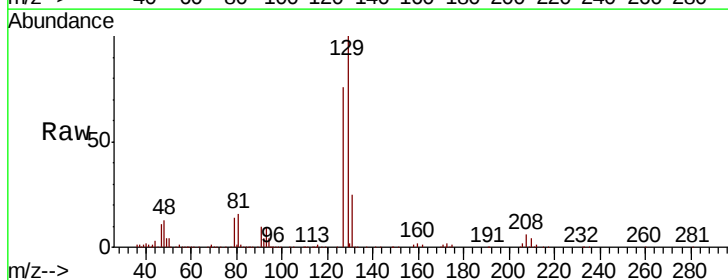
Instrument :
MSVOA_F
ClientSampled :

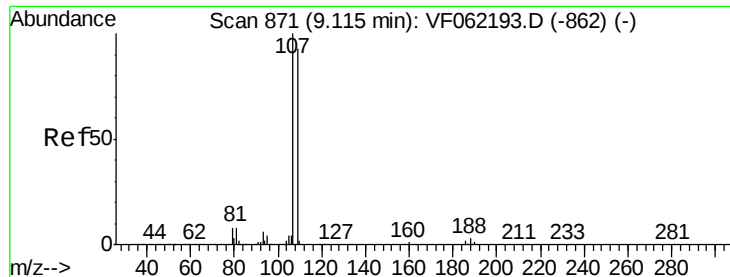
Tot Ion: 43 Resp: 567310
Ion Ratio Lower Upper
43 100
58 52.0 24.6 74.0



#60
Dibromochloromethane
Concen: 71.194 ug/l
RT: 8.85 min Scan# 844
Delta R.T. 0.01 min
Lab File: VF062194.D
Acq: 17 Apr 2019 19:07

Tgt Ion:129 Resp: 291617
Ion Ratio Lower Upper
129 100
127 75.7 39.0 117.0





#61

1,2-Dibromoethane

Concen: 51.303 ug/l

RT: 9.12 min Scan# 871

Delta R.T. -0.00 min

Lab File: VF062194.D

Acq: 17 Apr 2019 19:07

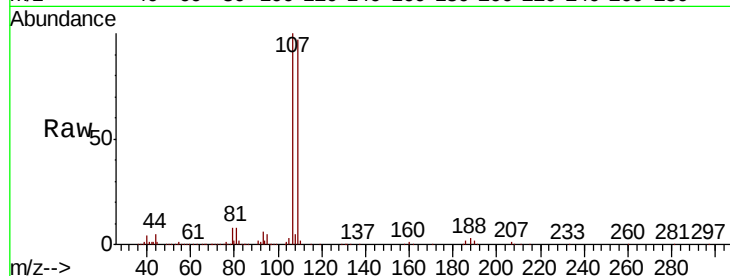
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:107 Resp: 216290

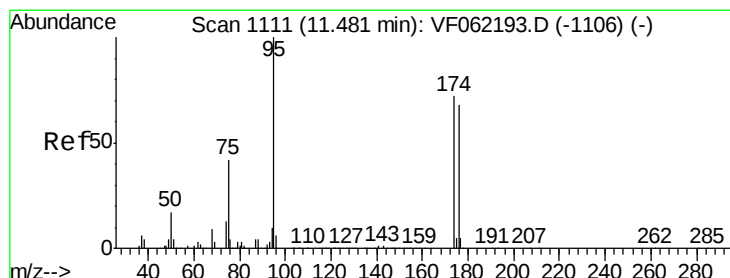
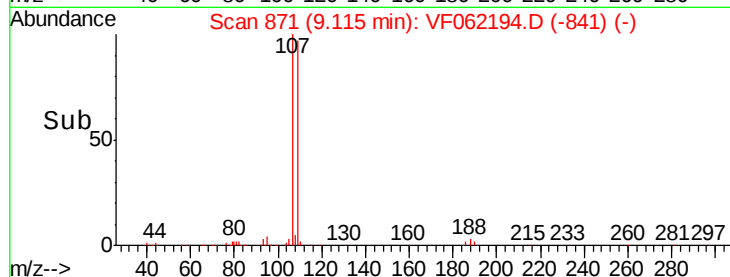
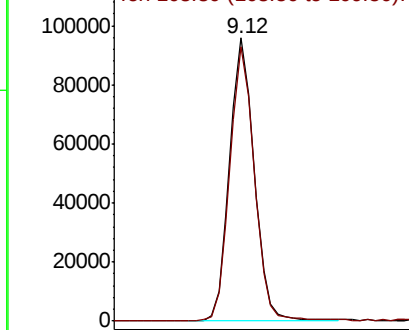
Ion Ratio Lower Upper

107 100

109 96.2 74.3 111.5



Abundance Ion 106.90 (106.60 to 107.60): V
Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 63.609 ug/l

RT: 11.48 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VF062194.D

Acq: 17 Apr 2019 19:07

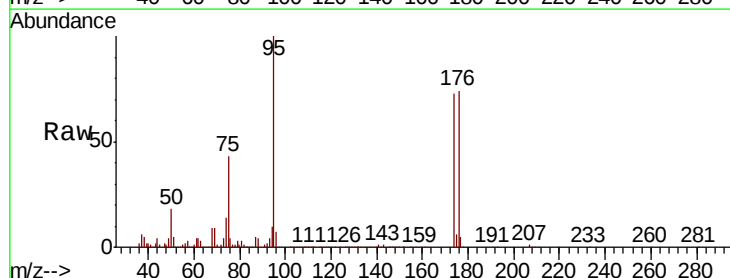
Tgt Ion: 95 Resp: 334177

Ion Ratio Lower Upper

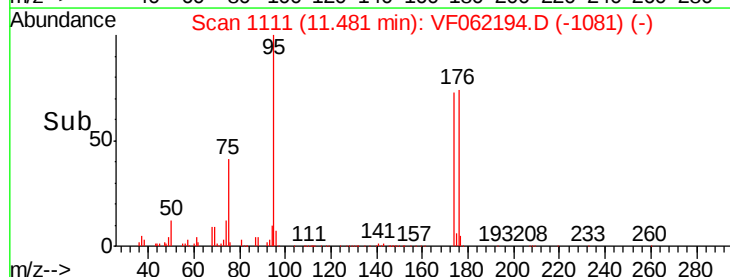
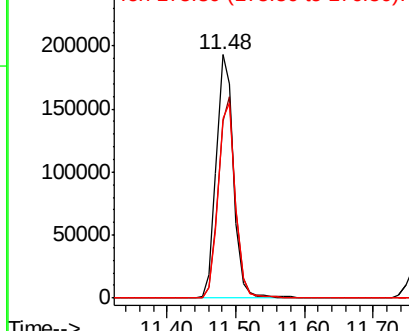
95 100

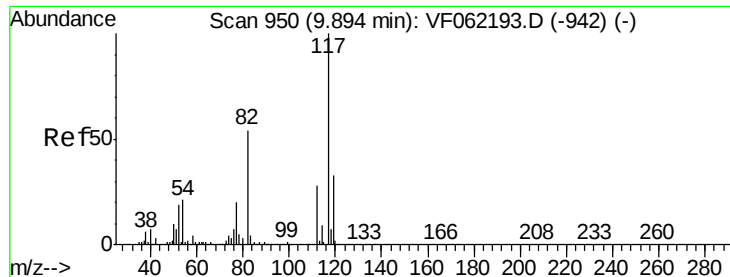
174 82.2 0.0 159.4

176 81.2 0.0 155.4



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

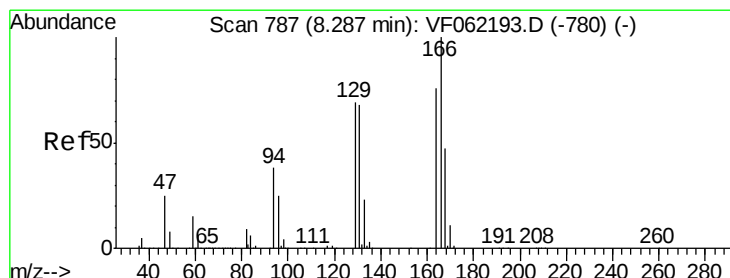
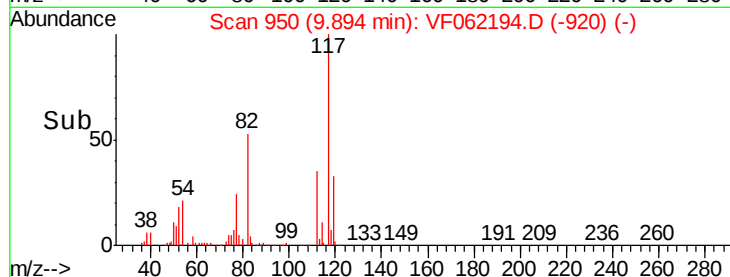
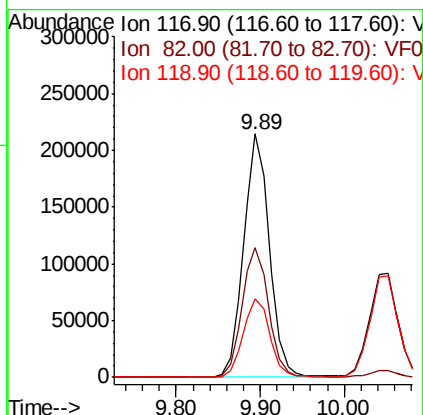
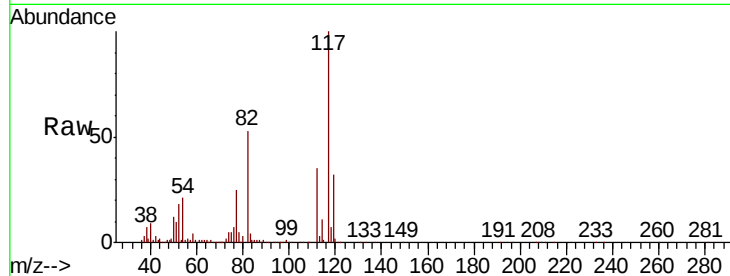




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.89 min Scan# 950
Delta R.T. -0.00 min
Lab File: VF062194.D
Acq: 17 Apr 2019 19:07

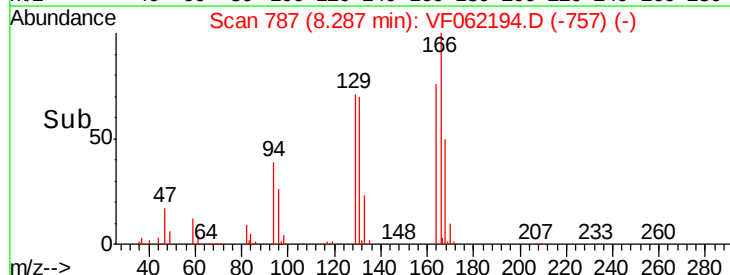
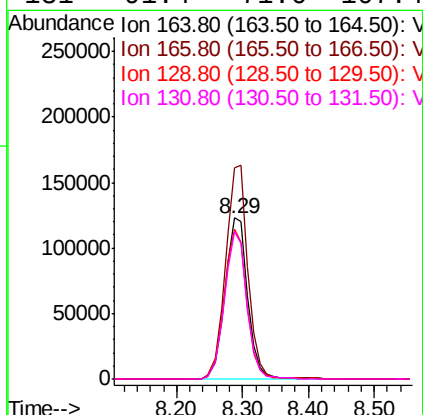
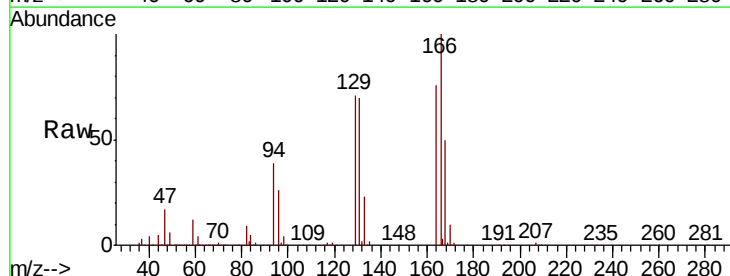
Instrument :
MSVOA_F
ClientSampleId :

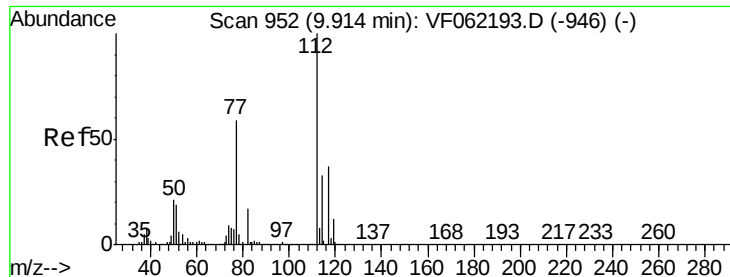
Tot Ion	Ratio	Lower	Upper
117	100		
82	52.9	43.2	64.8
119	32.5	26.2	39.4



#64
Tetrachloroethene
Concen: 81.509 ug/l
RT: 8.29 min Scan# 787
Delta R.T. -0.00 min
Lab File: VF062194.D
Acq: 17 Apr 2019 19:07

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.9	104.7	157.1
129	93.4	72.6	109.0
131	91.4	71.6	107.4

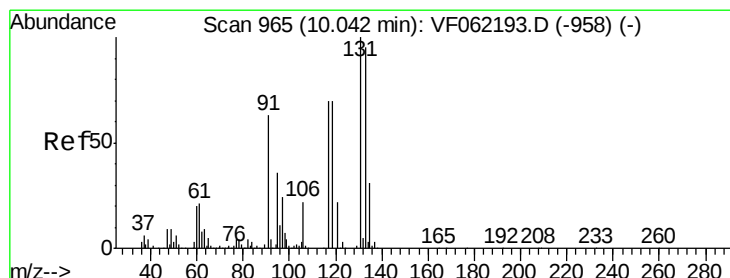
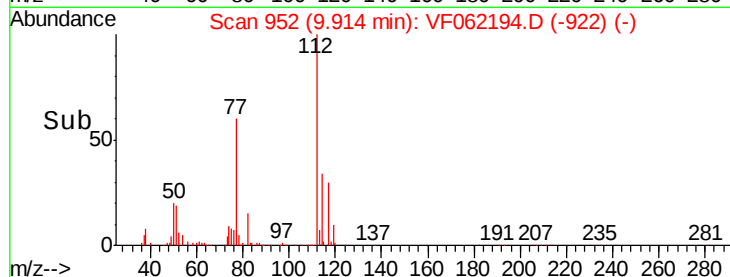
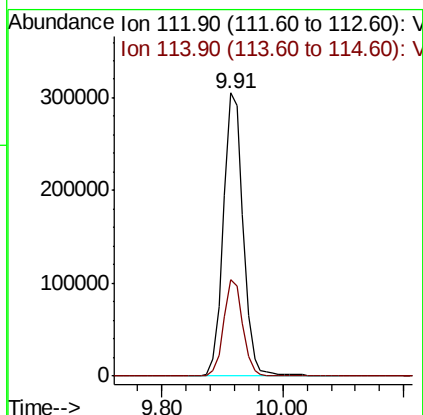
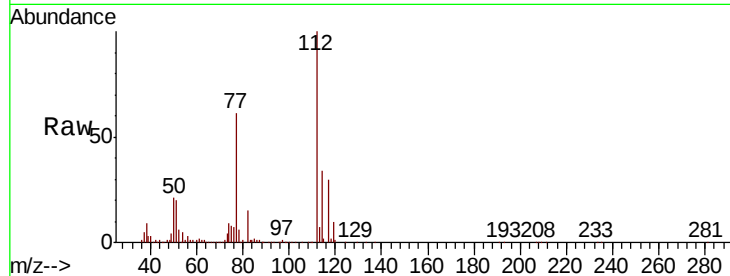




#65
Chlorobenzene
Concen: 70.115 ug/l
RT: 9.91 min Scan# 952
Delta R.T. -0.00 min
Lab File: VF062194.D
Acq: 17 Apr 2019 19:07

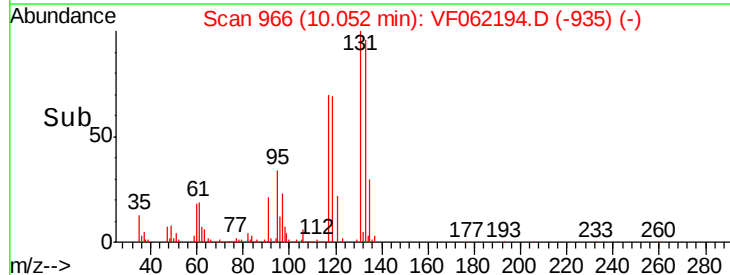
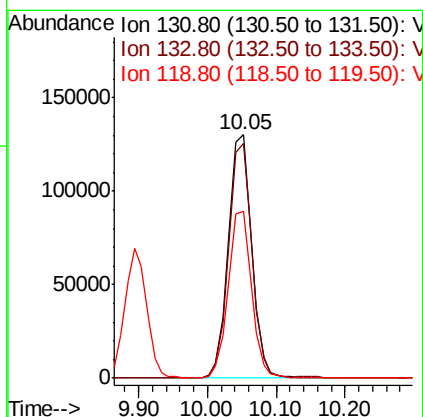
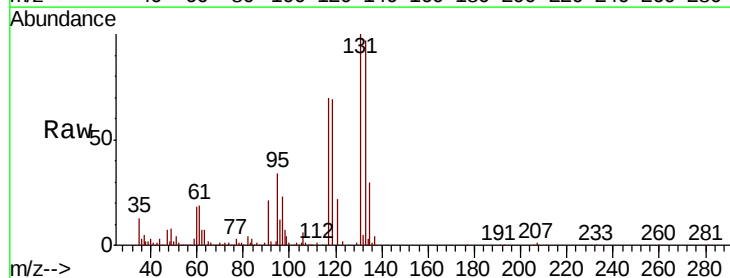
Instrument :
MSVOA_F
ClientSampleId :

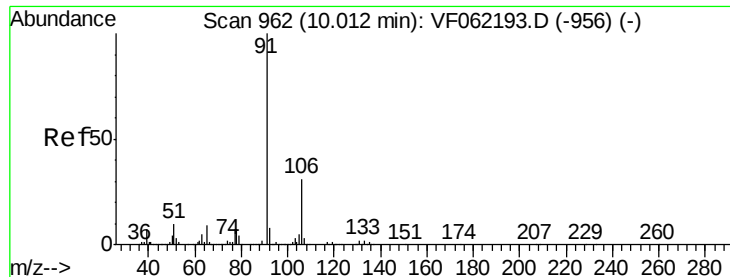
Tot Ion:112 Resp: 694078
Ion Ratio Lower Upper
112 100
114 33.9 26.1 39.1



#66
1,1,1,2-Tetrachloroethane
Concen: 84.527 ug/l
RT: 10.05 min Scan# 966
Delta R.T. 0.01 min
Lab File: VF062194.D
Acq: 17 Apr 2019 19:07

Tgt Ion:131 Resp: 306805
Ion Ratio Lower Upper
131 100
133 95.8 47.7 143.1
119 68.2 34.6 103.9

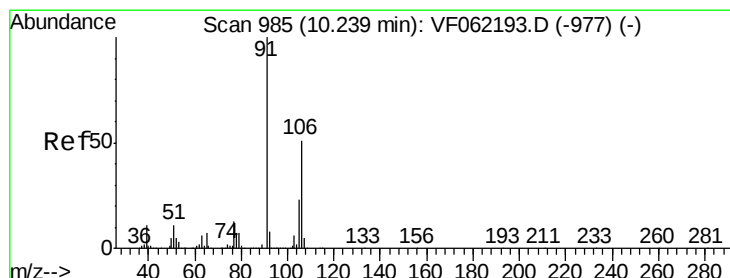
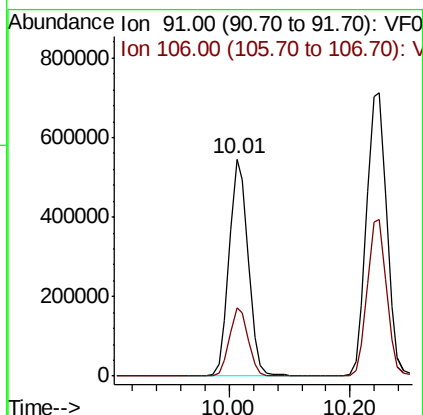
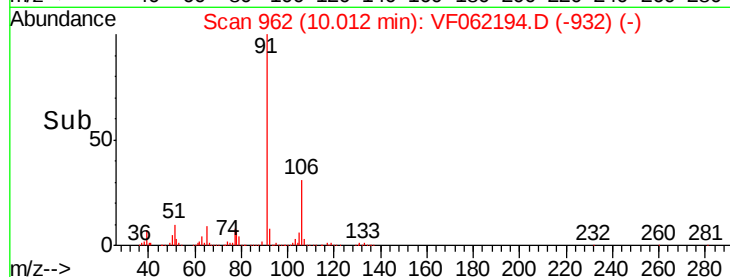
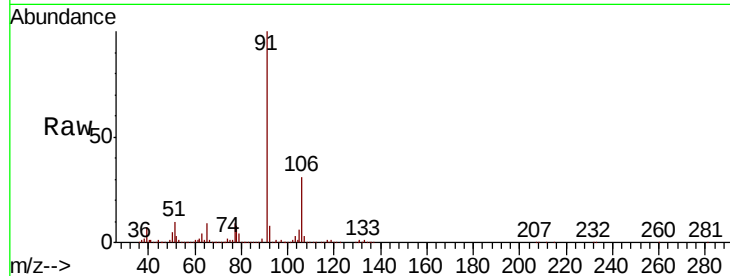




#67
Ethyl Benzene
Concen: 67.220 ug/l
RT: 10.01 min Scan# 962
Delta R.T. -0.00 min
Lab File: VF062194.D
Acq: 17 Apr 2019 19:07

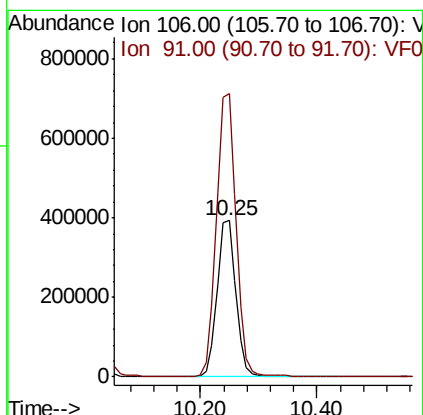
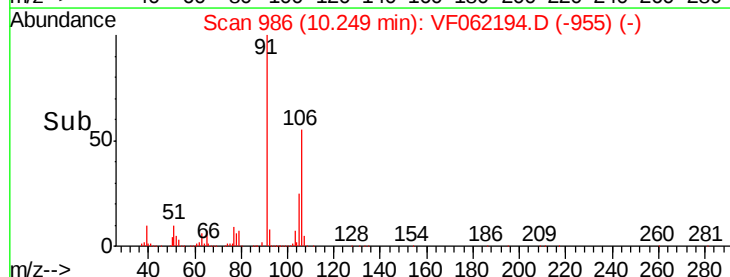
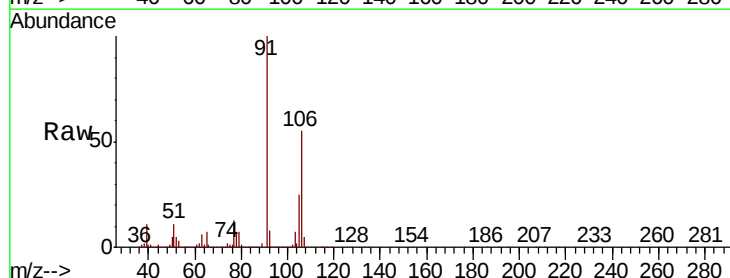
Instrument :
MSVOA_F
ClientSampleId :

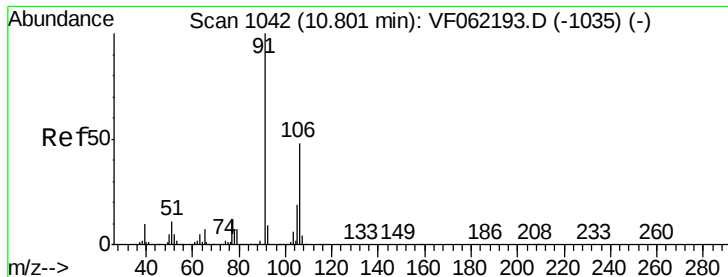
Tot Ion: 91 Resp: 1198082
Ion Ratio Lower Upper
91 100
106 31.3 24.9 37.3



#68
m/p-Xylenes
Concen: 135.534 ug/l
RT: 10.25 min Scan# 986
Delta R.T. 0.01 min
Lab File: VF062194.D
Acq: 17 Apr 2019 19:07

Tgt Ion:106 Resp: 878946
Ion Ratio Lower Upper
106 100
91 189.6 159.1 238.7

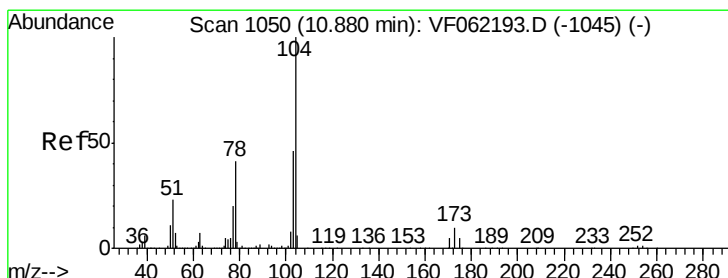
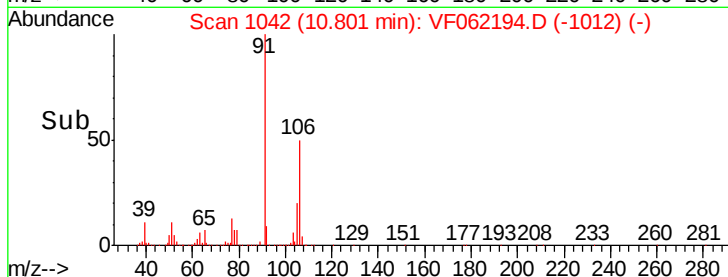
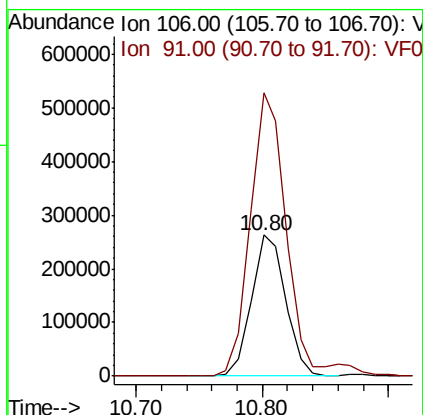
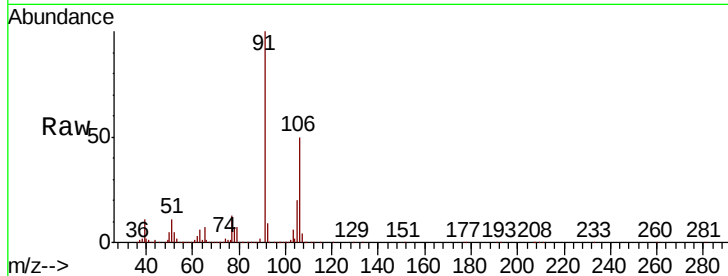




#69
o-Xylene
Concen: 76.327 ug/l
RT: 10.80 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VF062194.D
Acq: 17 Apr 2019 19:07

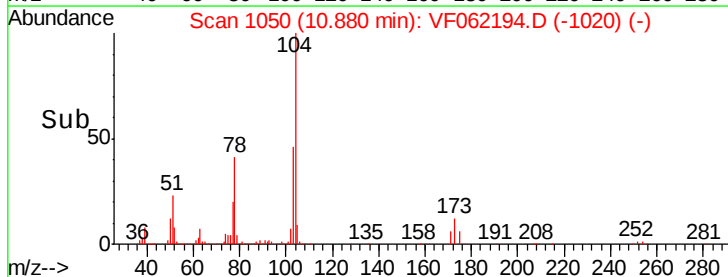
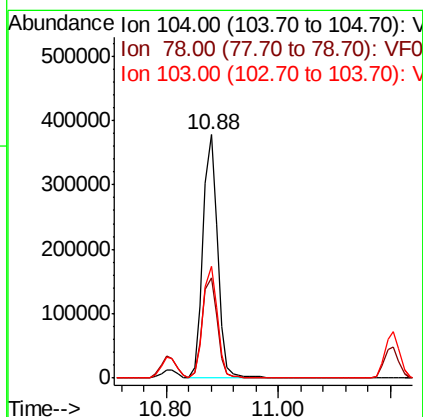
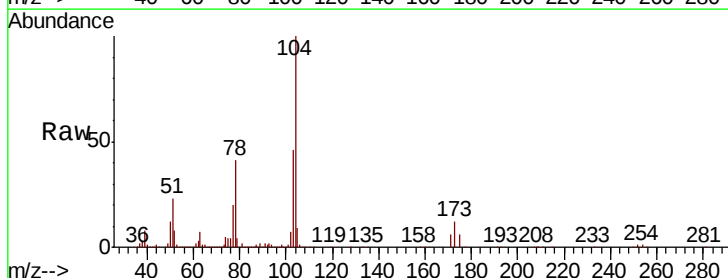
Instrument :
MSVOA_F
ClientSampled :

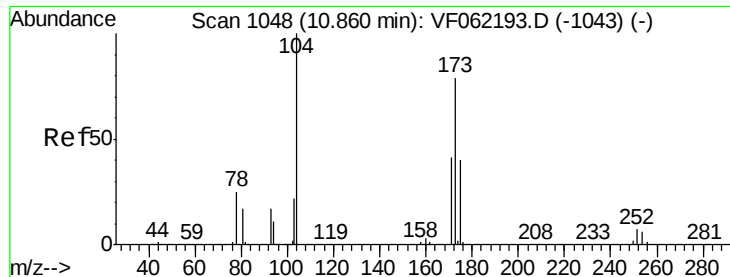
Tot Ion:106 Resp: 496314
Ion Ratio Lower Upper
106 100
91 207.4 107.5 322.4



#70
Styrene
Concen: 64.141 ug/l
RT: 10.88 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VF062194.D
Acq: 17 Apr 2019 19:07

Tgt Ion:104 Resp: 691027
Ion Ratio Lower Upper
104 100
78 42.4 34.5 51.7
103 46.2 37.2 55.8





#71

Bromoform

Concen: 62.483 ug/l

RT: 10.86 min Scan# 1048

Delta R.T. -0.00 min

Lab File: VF062194.D

Acq: 17 Apr 2019 19:07

Instrument :

MSVOA_F

ClientSampled :

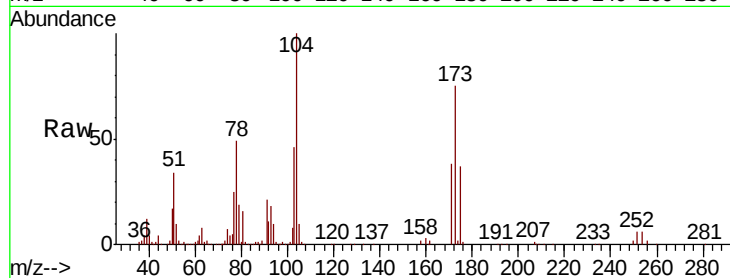
Tot Ion:173 Resp: 166804

Ion Ratio Lower Upper

173 100

175 48.7 24.5 73.5

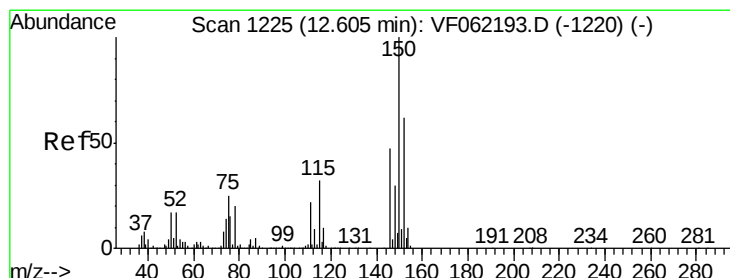
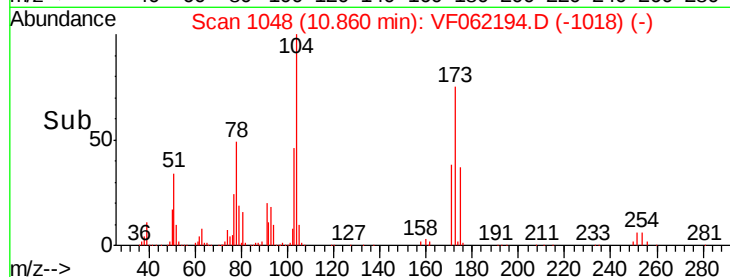
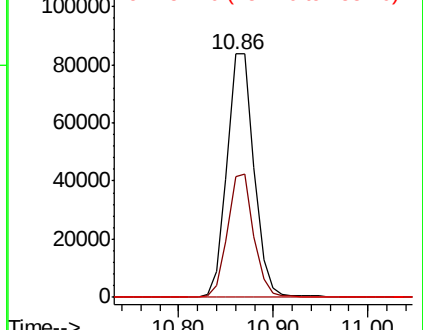
254 0.0 0.1 0.1#



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: 12.60 min Scan# 1225

Delta R.T. -0.00 min

Lab File: VF062194.D

Acq: 17 Apr 2019 19:07

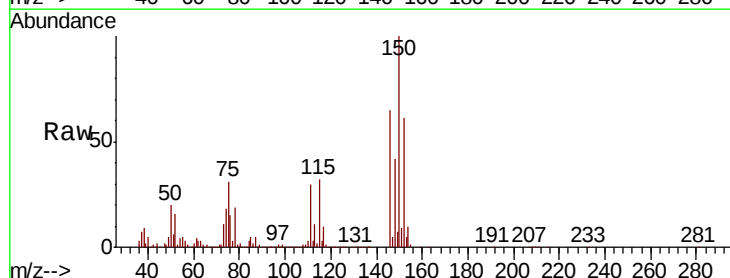
Tgt Ion:152 Resp: 233096

Ion Ratio Lower Upper

152 100

115 55.6 27.8 83.3

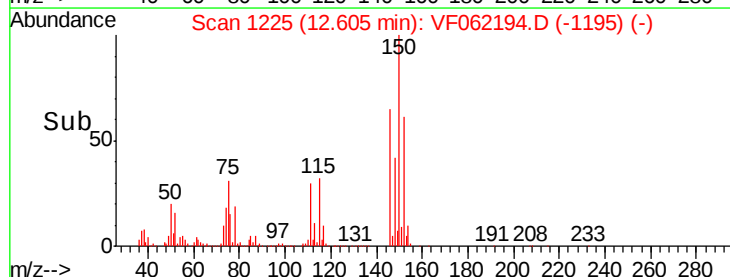
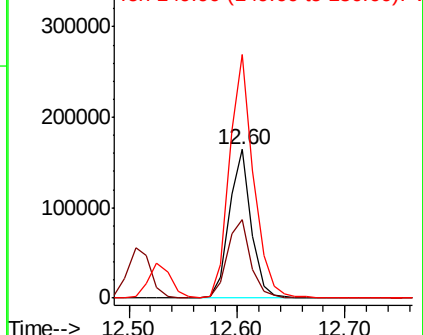
150 179.3 0.0 341.8

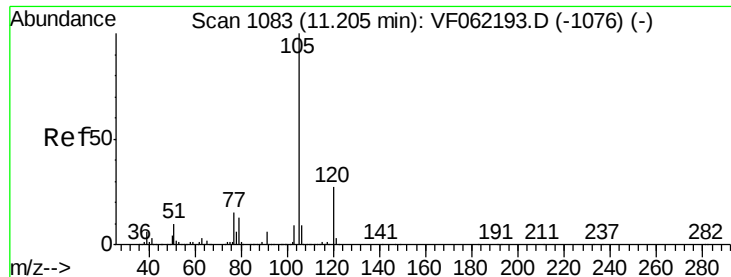


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 75.432 ug/l

RT: 11.20 min Scan# 1083

Delta R.T. -0.00 min

Lab File: VF062194.D

Acq: 17 Apr 2019 19:07

Instrument :

MSVOA_F

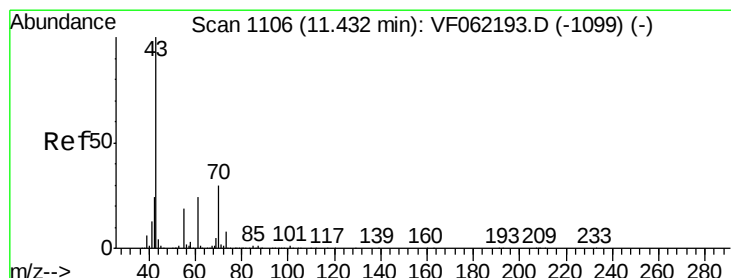
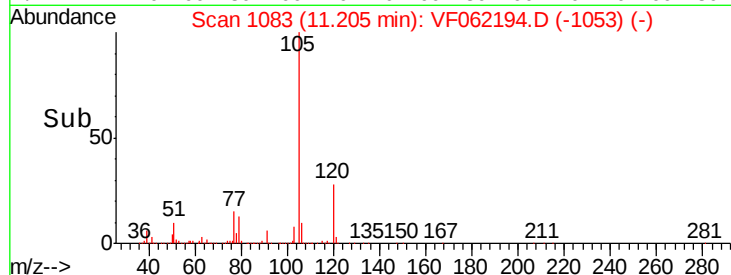
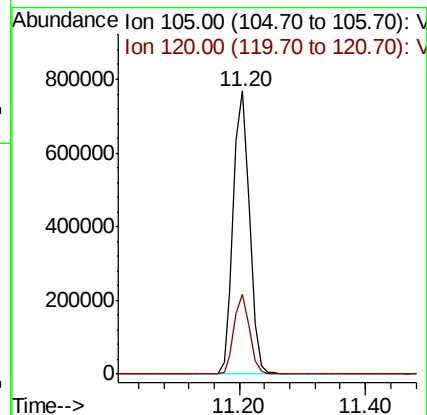
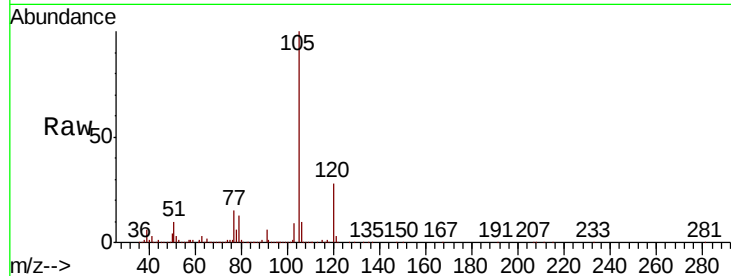
ClientSampleId :

Tot Ion:105 Resp: 1372496

Ion Ratio Lower Upper

105 100

120 26.7 13.0 38.9



#74

N-ethyl acetate

Concen: 36.853 ug/l

RT: 11.44 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VF062194.D

Acq: 17 Apr 2019 19:07

Tgt Ion: 43 Resp: 341762

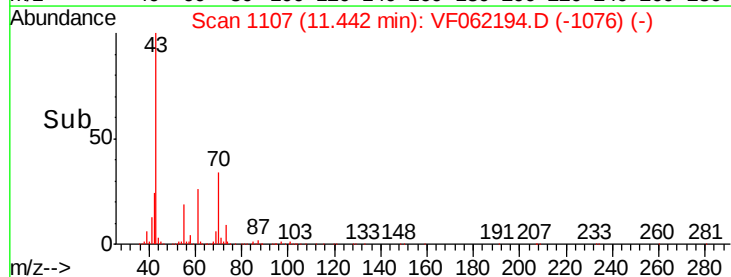
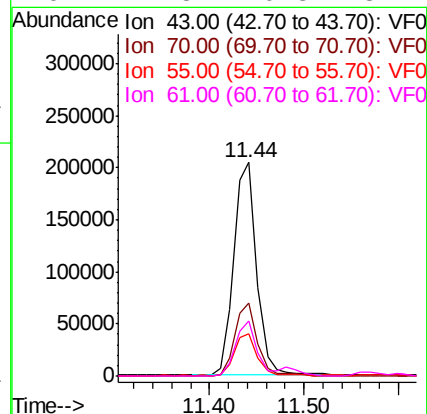
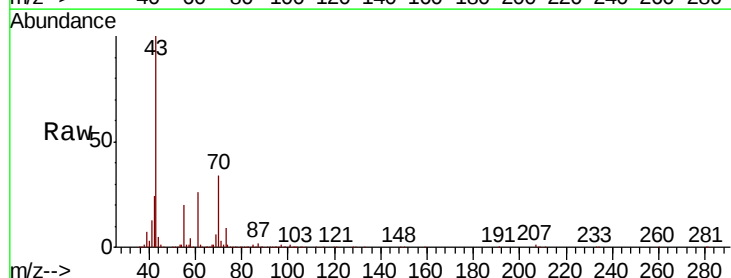
Ion Ratio Lower Upper

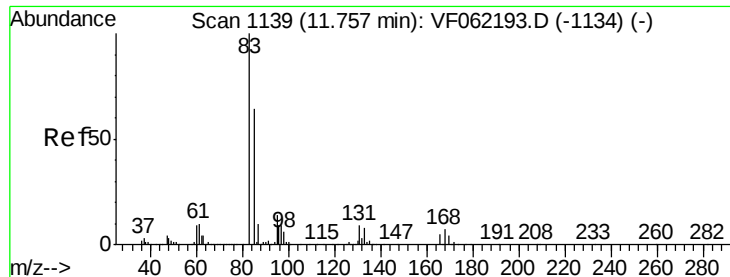
43 100

70 33.7 27.0 40.4

55 19.8 15.7 23.5

61 24.8 20.8 31.2





#75

1,1,2,2-Tetrachloroethane

Concen: 40.715 ug/l

RT: 11.76 min Scan# 1139

Delta R.T. -0.00 min

Lab File: VF062194.D

Acq: 17 Apr 2019 19:07

Instrument :

MSVOA_F

ClientSampleId :

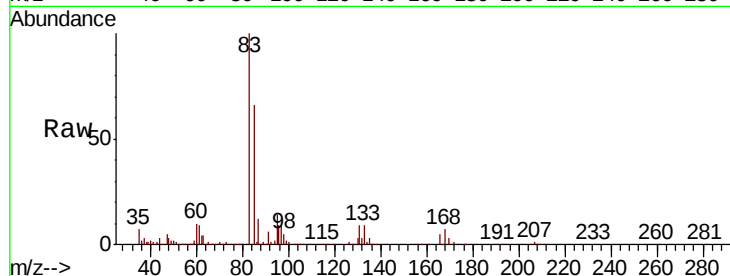
Tot Ion: 83 Resp: 244910

Ion Ratio Lower Upper

83 100

131 9.7 4.5 13.5

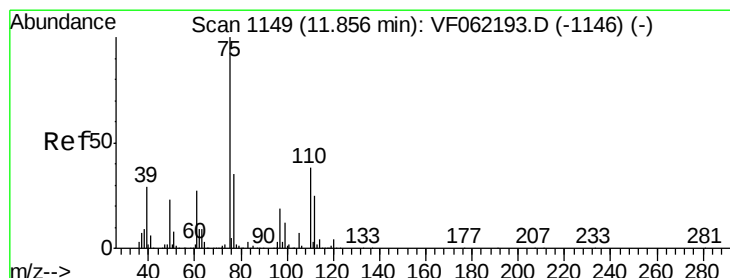
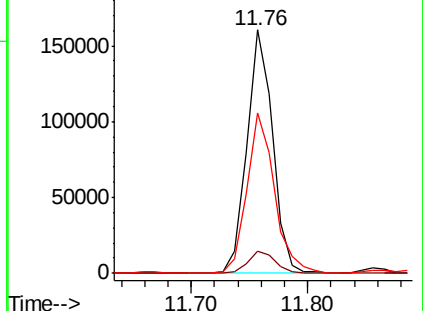
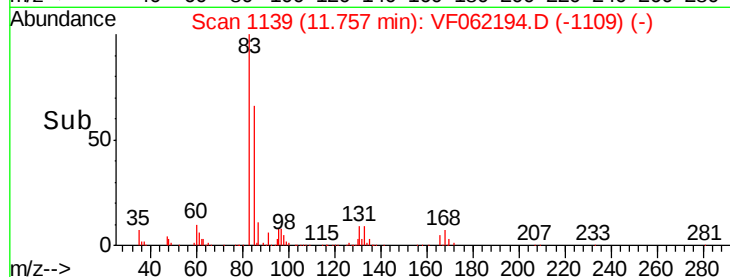
85 70.6 34.7 104.1



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: 31.992 ug/l

RT: 11.86 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VF062194.D

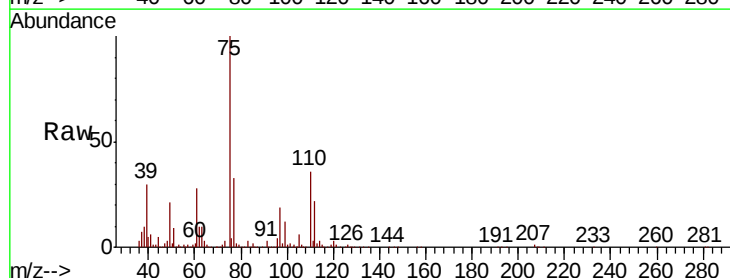
Acq: 17 Apr 2019 19:07

Tgt Ion: 75 Resp: 166280

Ion Ratio Lower Upper

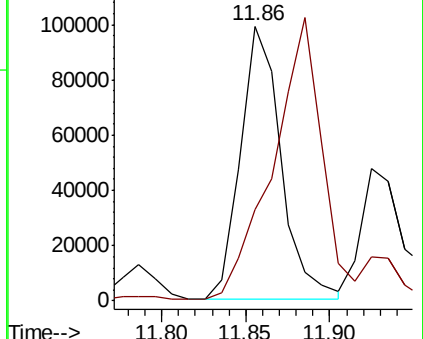
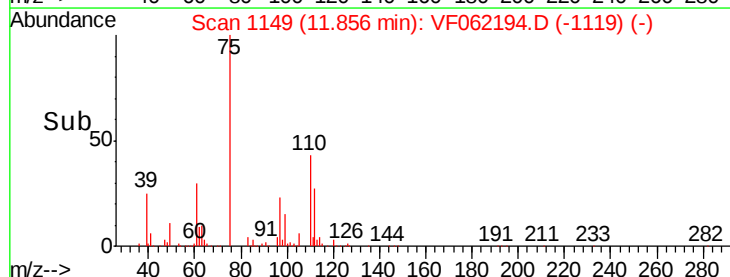
75 100

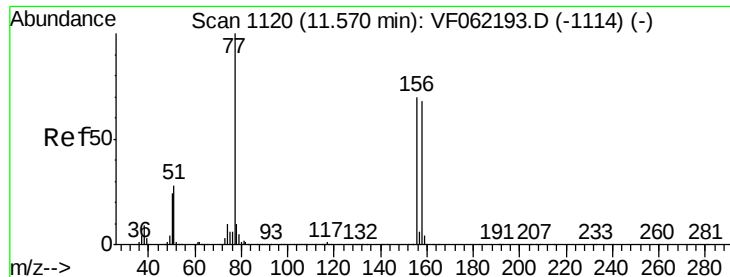
77 0.0 7.4 22.2#



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 68.946 ug/l

RT: 11.57 min Scan# 1120

Delta R.T. -0.00 min

Lab File: VF062194.D

Acq: 17 Apr 2019 19:07

Instrument :

MSVOA_F

ClientSampleId :

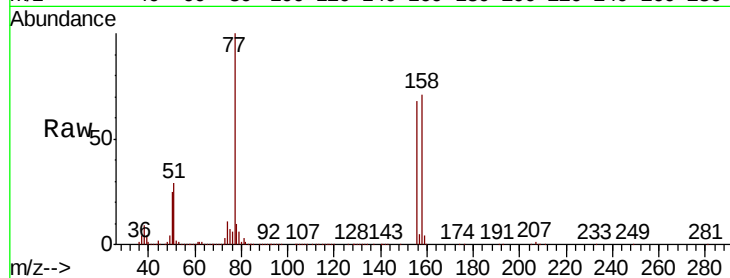
Tot Ion:156 Resp: 308388

Ion Ratio Lower Upper

156 100

77 160.4 80.9 242.7

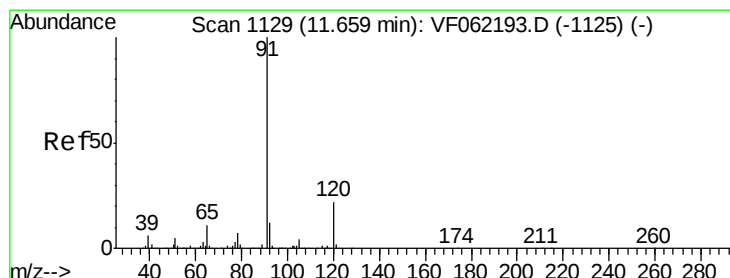
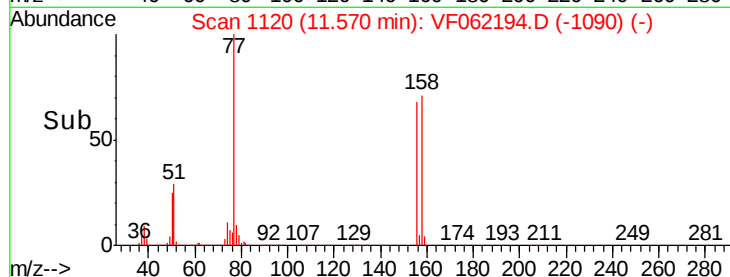
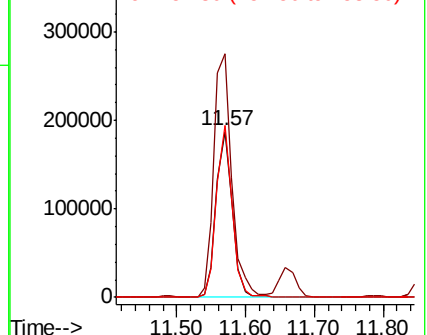
158 100.3 49.8 149.4



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: 68.817 ug/l

RT: 11.66 min Scan# 1129

Delta R.T. -0.00 min

Lab File: VF062194.D

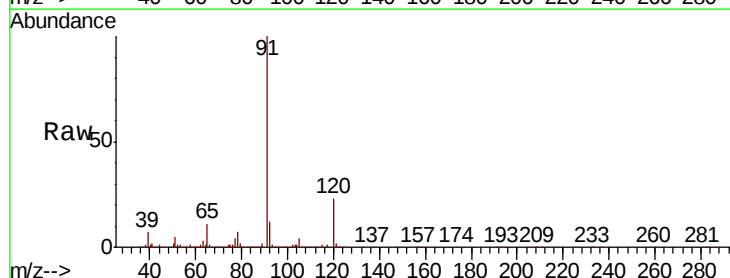
Acq: 17 Apr 2019 19:07

Tgt Ion: 91 Resp: 1402215

Ion Ratio Lower Upper

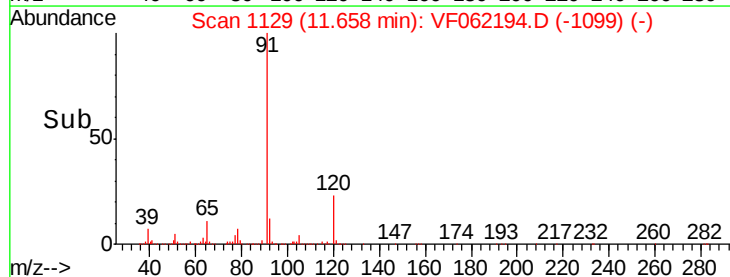
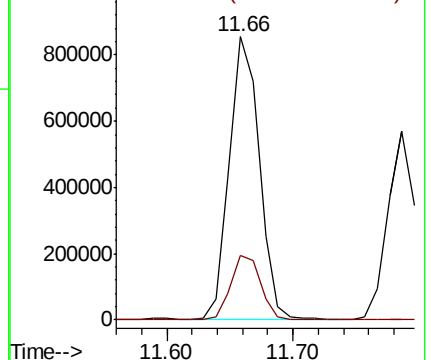
91 100

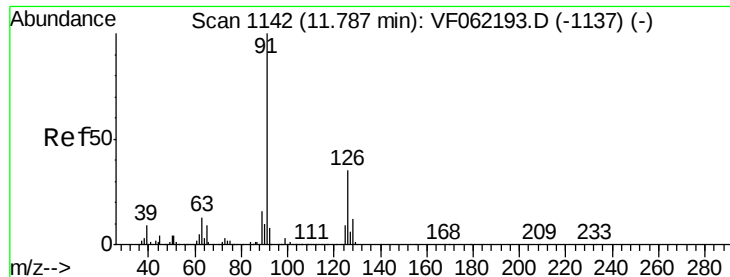
120 22.9 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 71.573 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VF062194.D

Acq: 17 Apr 2019 19:07

Instrument :

MSVOA_F

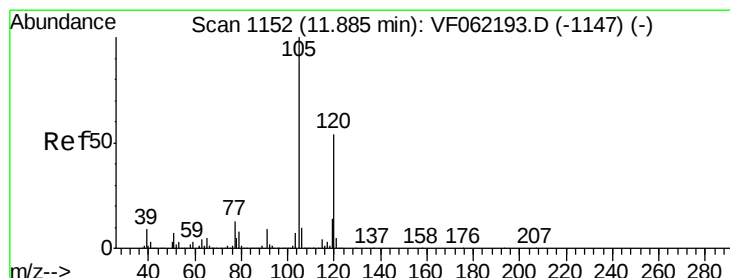
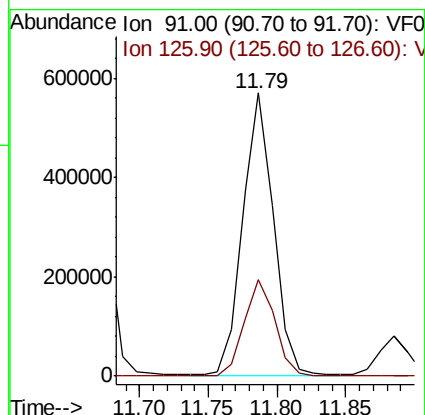
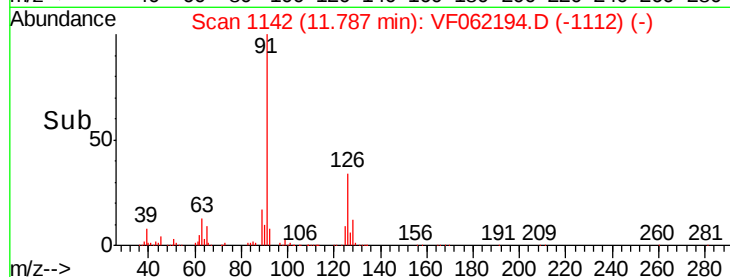
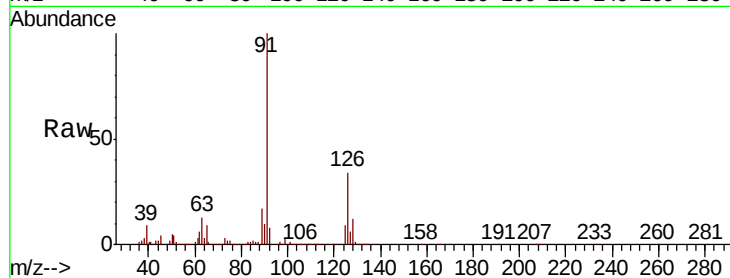
ClientSampleId :

Tot Ion: 91 Resp: 886748

Ion Ratio Lower Upper

91 100

126 34.7 16.9 50.6



#80

1,3,5-Trimethylbenzene

Concen: 75.168 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. -0.00 min

Lab File: VF062194.D

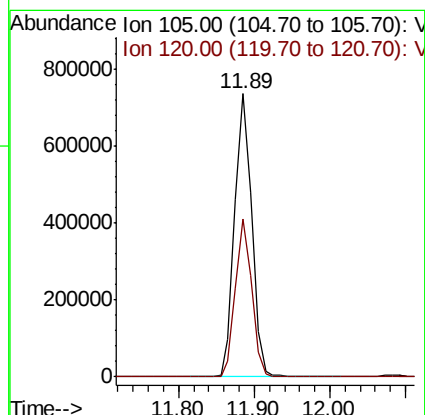
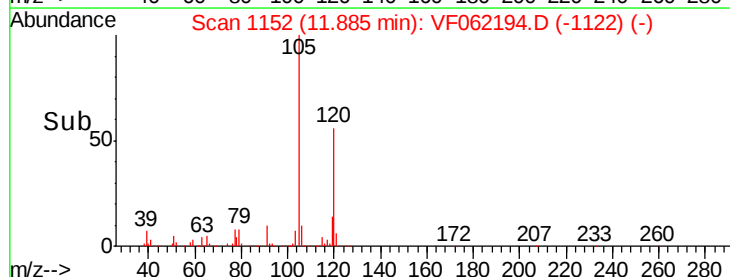
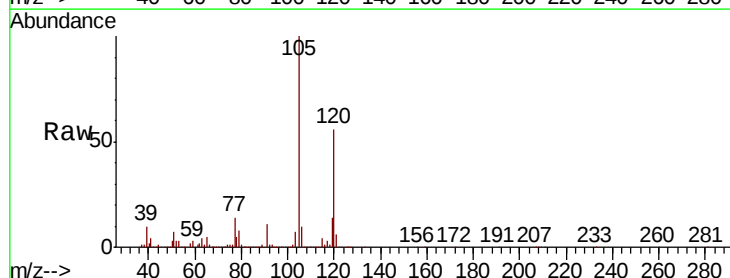
Acq: 17 Apr 2019 19:07

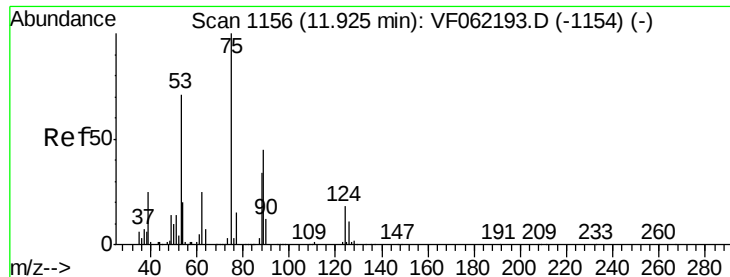
Tgt Ion:105 Resp: 1143040

Ion Ratio Lower Upper

105 100

120 53.3 26.2 78.5





#81

trans-1,4-Dichloro-2-butene

Concen: 48.813 ug/l

RT: 11.92 min Scan# 1156

Delta R.T. -0.00 min

Lab File: VF062194.D

Acq: 17 Apr 2019 19:07

Instrument :

MSVOA_F

ClientSampleId :

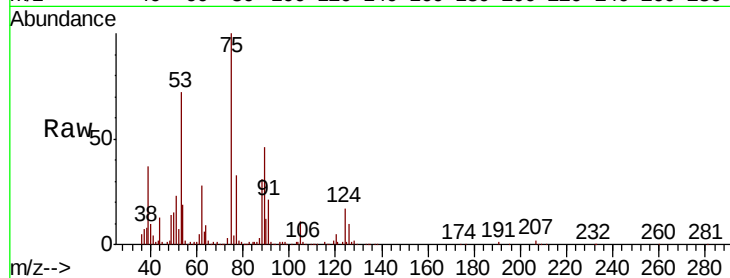
Tot Ion: 75 Resp: 99305

Ion Ratio Lower Upper

75 100

53 53.7 50.2 75.4

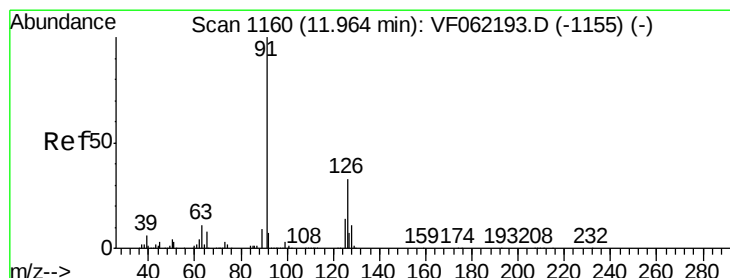
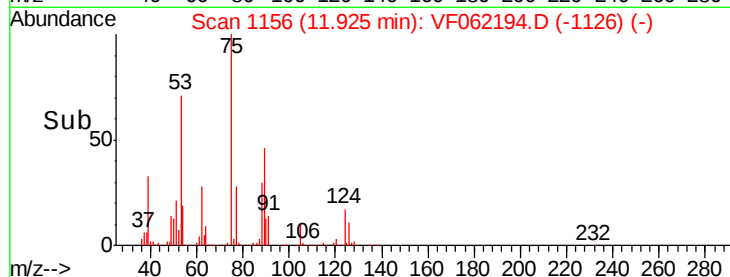
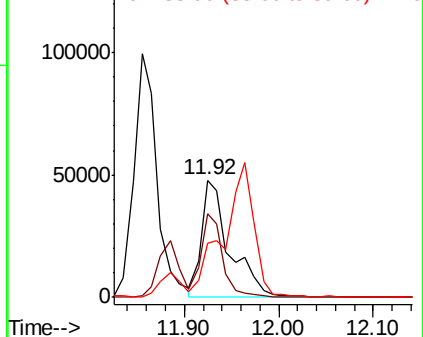
89 0.0 0.0 0.0



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: 61.307 ug/l

RT: 11.96 min Scan# 1160

Delta R.T. -0.00 min

Lab File: VF062194.D

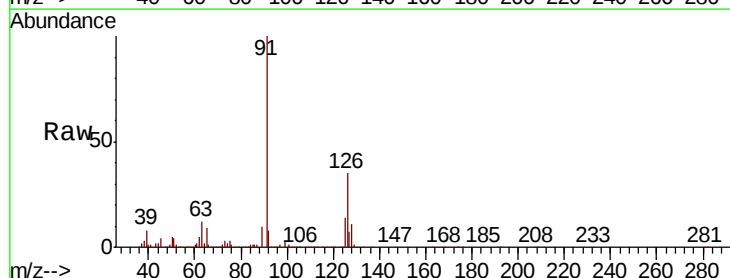
Acq: 17 Apr 2019 19:07

Tgt Ion: 91 Resp: 854052

Ion Ratio Lower Upper

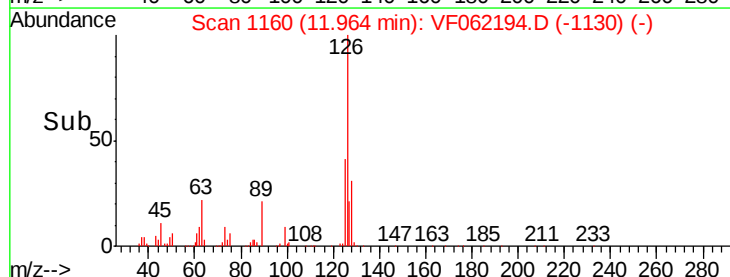
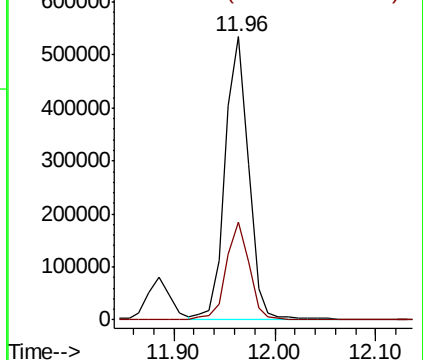
91 100

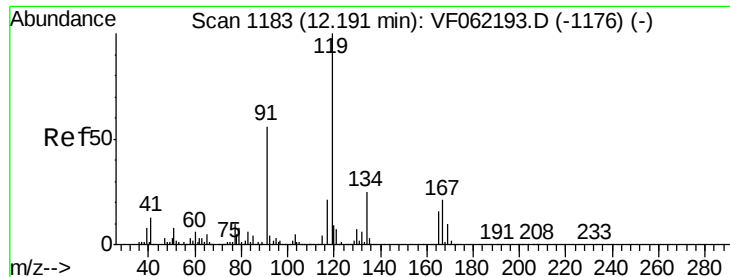
126 34.5 16.9 50.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 125.90 (125.60 to 126.60): V

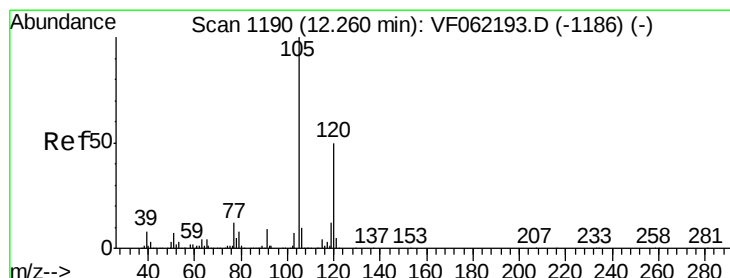
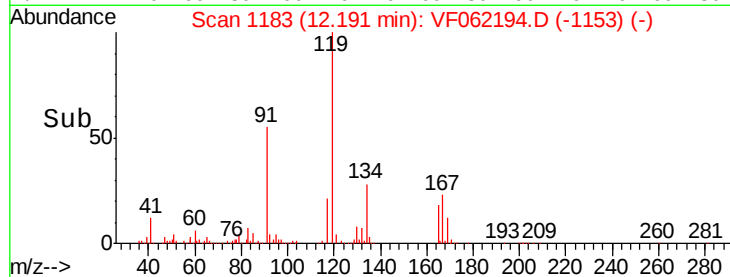
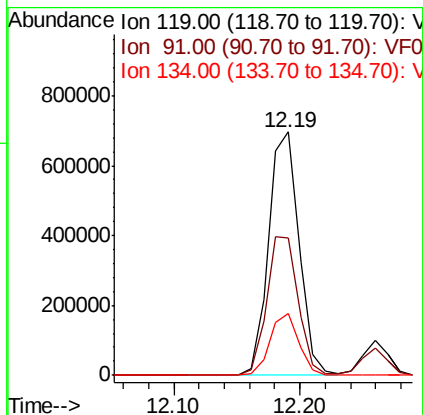
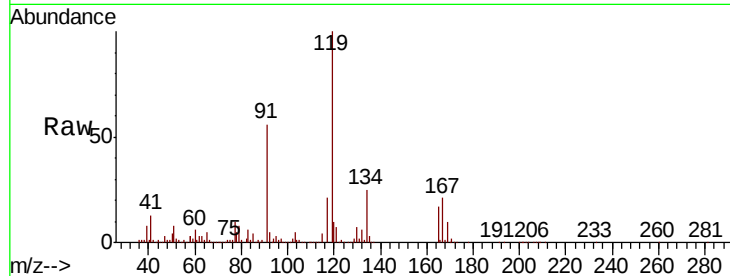




#83
tert-Butylbenzene
Concen: 78.798 ug/l
RT: 12.19 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VF062194.D
Acq: 17 Apr 2019 19:07

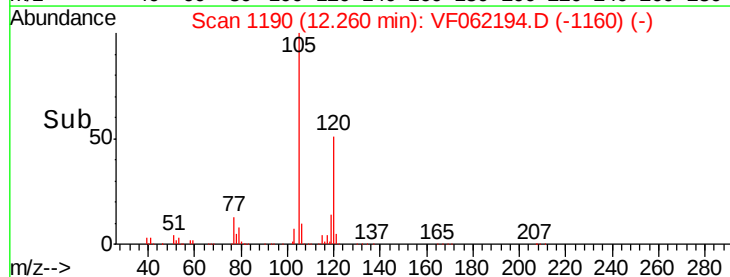
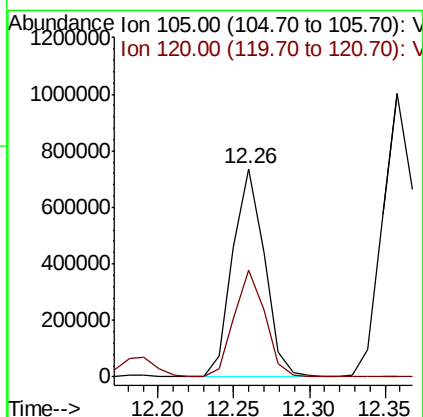
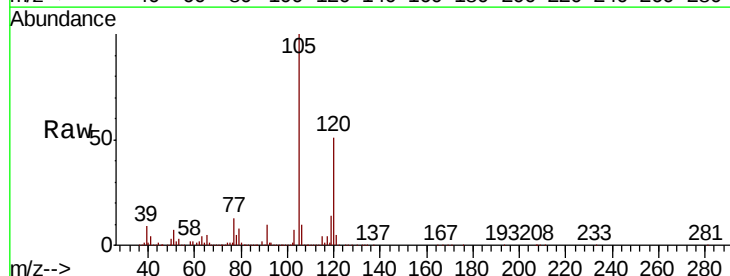
Instrument :
MSVOA_F
ClientSampleId :

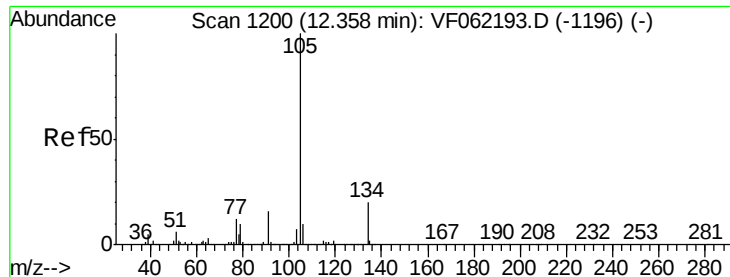
Tot Ion:119 Resp: 1170107
Ion Ratio Lower Upper
119 100
91 58.4 29.4 88.2
134 24.1 11.8 35.3



#84
1,2,4-Trimethylbenzene
Concen: 70.239 ug/l
RT: 12.26 min Scan# 1190
Delta R.T. -0.00 min
Lab File: VF062194.D
Acq: 17 Apr 2019 19:07

Tgt Ion:105 Resp: 1074285
Ion Ratio Lower Upper
105 100
120 49.7 24.0 72.0

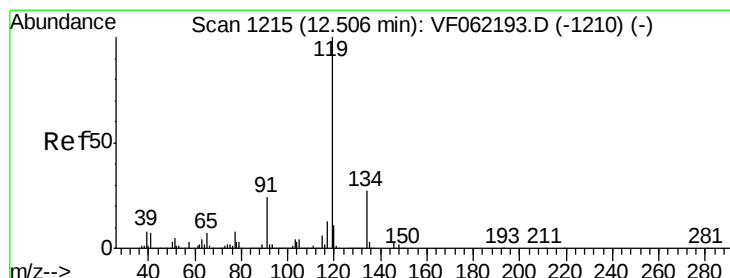
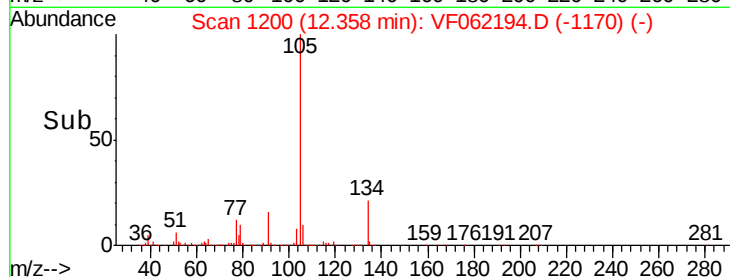
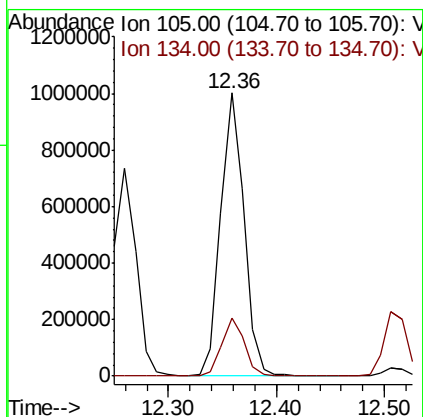
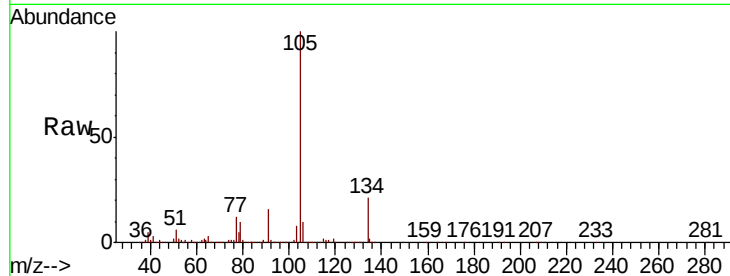




#85
 sec-Butylbenzene
 Concen: 83.493 ug/l
 RT: 12.36 min Scan# 1200
 Delta R.T. -0.00 min
 Lab File: VF062194.D
 Acq: 17 Apr 2019 19:07

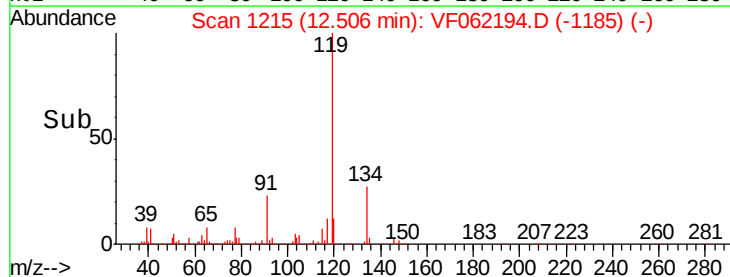
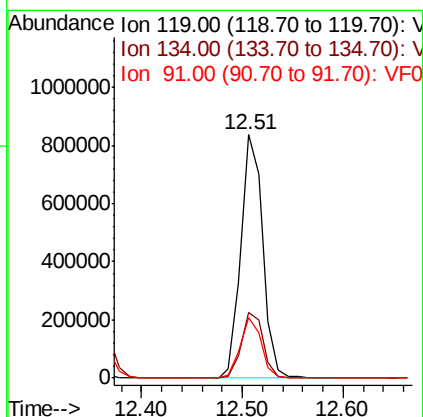
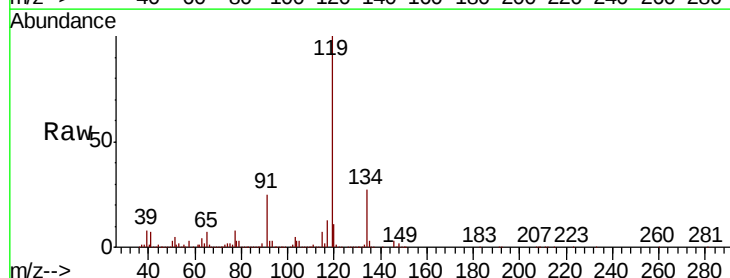
Instrument :
 MSVOA_F
 ClientSampled :

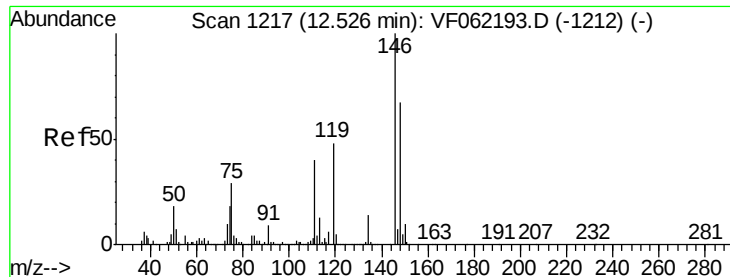
Tot Ion:105 Resp: 1501992
 Ion Ratio Lower Upper
 105 100
 134 20.0 9.7 29.1



#86
 p-Isopropyltoluene
 Concen: 77.734 ug/l
 RT: 12.51 min Scan# 1215
 Delta R.T. -0.00 min
 Lab File: VF062194.D
 Acq: 17 Apr 2019 19:07

Tgt Ion:119 Resp: 1261531
 Ion Ratio Lower Upper
 119 100
 134 27.0 13.2 39.5
 91 23.8 11.7 35.1

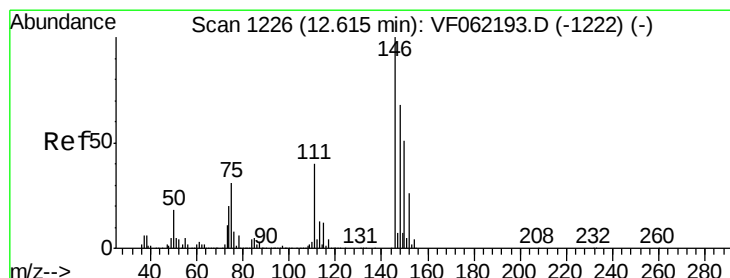
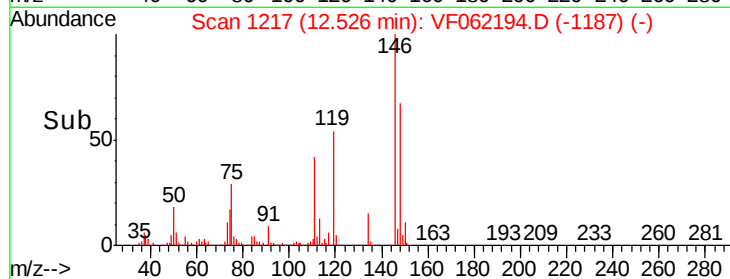
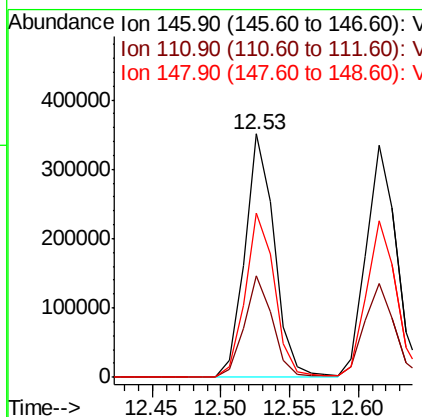
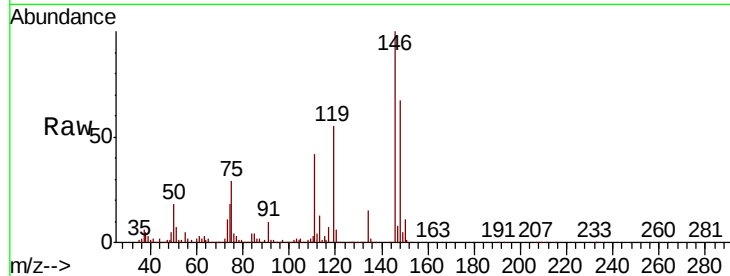




#87
 1,3-Dichlorobenzene
 Concen: 67.182 ug/l
 RT: 12.53 min Scan# 1217
 Delta R.T. -0.00 min
 Lab File: VF062194.D
 Acq: 17 Apr 2019 19:07

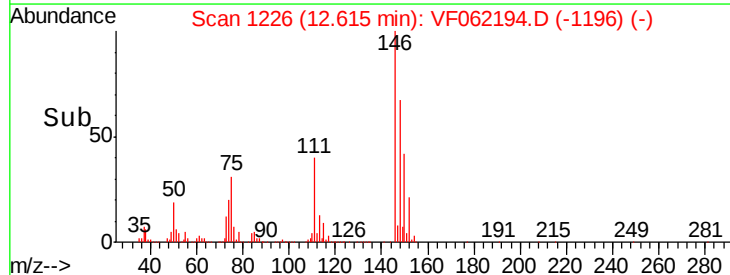
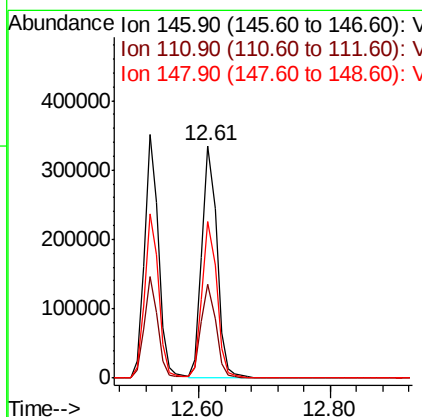
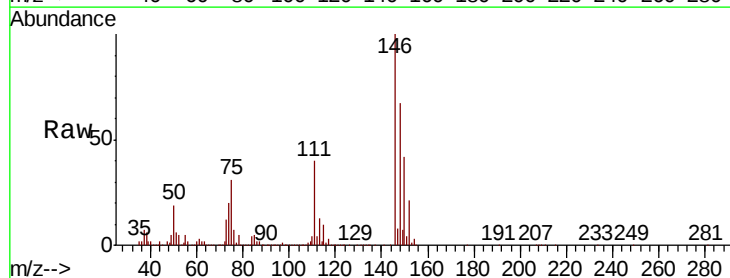
Instrument :
 MSVOA_F
 ClientSampled :

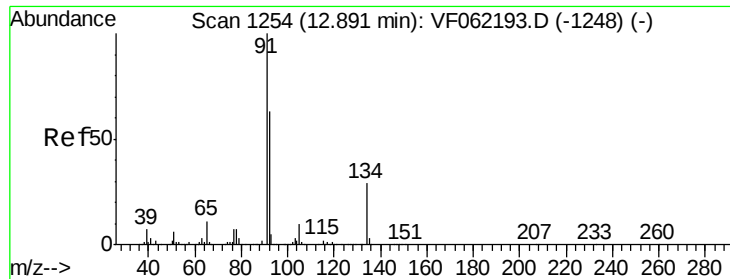
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	19.7	59.0
148	67.3	32.9	98.6



#88
 1,4-Dichlorobenzene
 Concen: 65.124 ug/l
 RT: 12.61 min Scan# 1226
 Delta R.T. -0.00 min
 Lab File: VF062194.D
 Acq: 17 Apr 2019 19:07

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.0	60.0
148	66.0	33.6	100.8





#89

n-Butylbenzene

Concen: 77.732 ug/l

RT: 12.89 min Scan# 1254

Delta R.T. -0.00 min

Lab File: VF062194.D

Acq: 17 Apr 2019 19:07

Instrument :

MSVOA_F

ClientSampled :

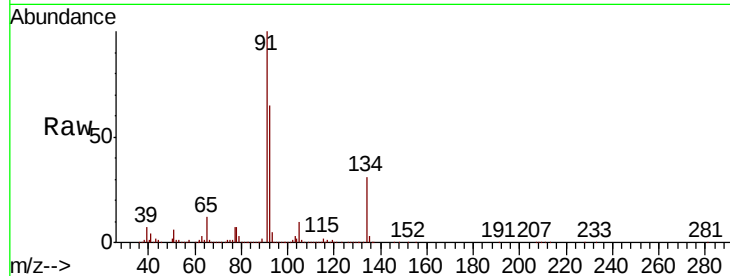
Tot Ion: 91 Resp: 1158285

Ion	Ratio	Lower	Upper
91	100		
92	63.7	31.2	93.6
134	27.4	13.1	39.1

91 100

92 63.7 31.2 93.6

134 27.4 13.1 39.1

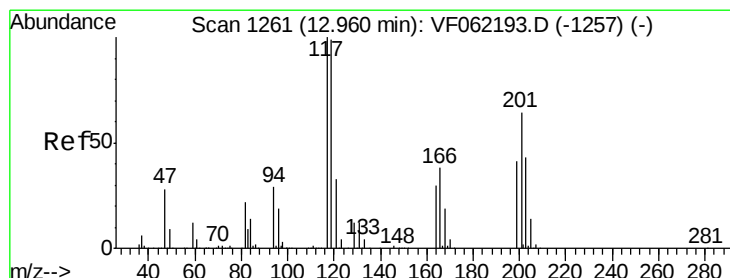
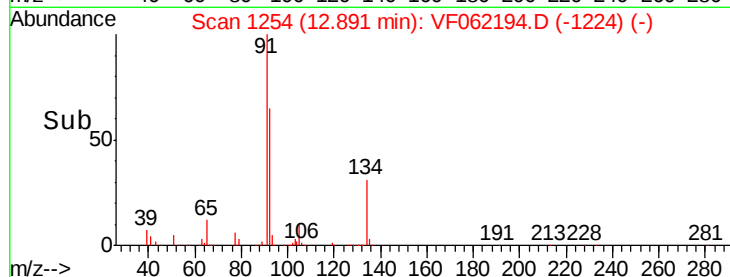
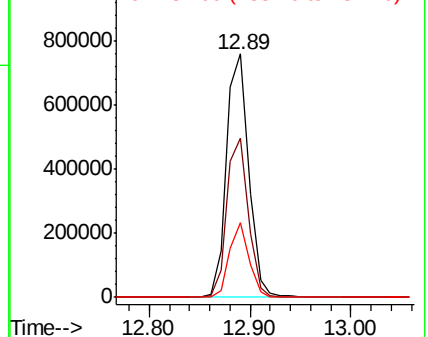


Abundance

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: 115.443 ug/l

RT: 12.96 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VF062194.D

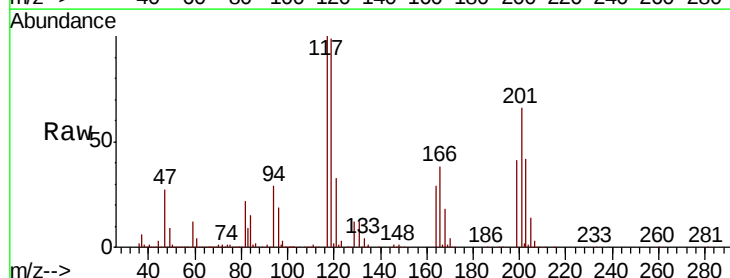
Acq: 17 Apr 2019 19:07

Tgt Ion: 117 Resp: 343529

Ion	Ratio	Lower	Upper
117	100		
201	78.1	37.7	113.1

117 100

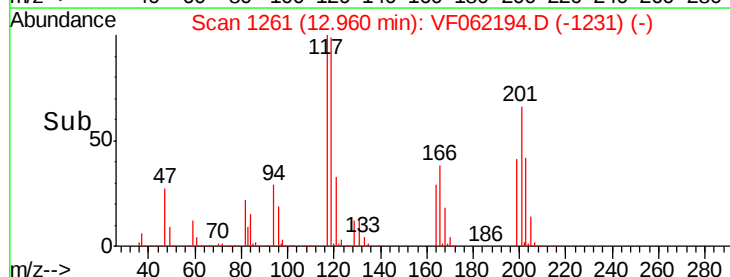
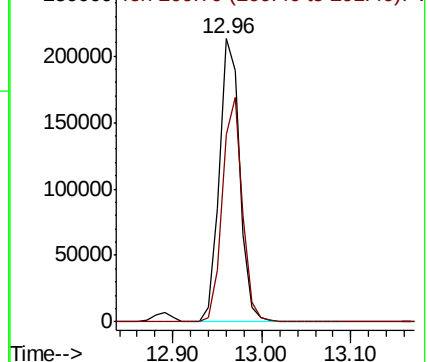
201 78.1 37.7 113.1

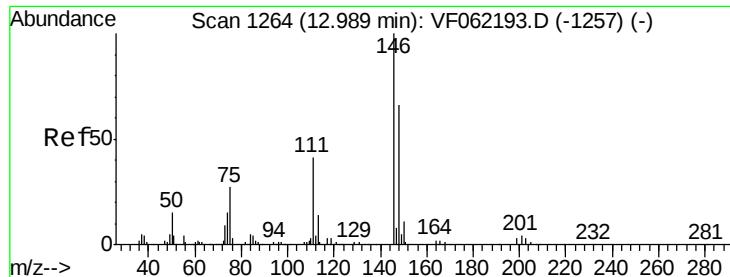


Abundance

Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 66.449 ug/l

RT: 12.99 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VF062194.D

Acq: 17 Apr 2019 19:07

Instrument :

MSVOA_F

ClientSampleId :

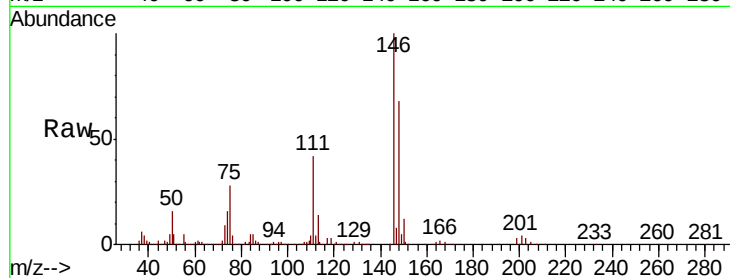
Tot Ion:146 Resp: 514399

Ion Ratio Lower Upper

146 100

111 42.6 20.8 62.5

148 67.3 33.0 99.0

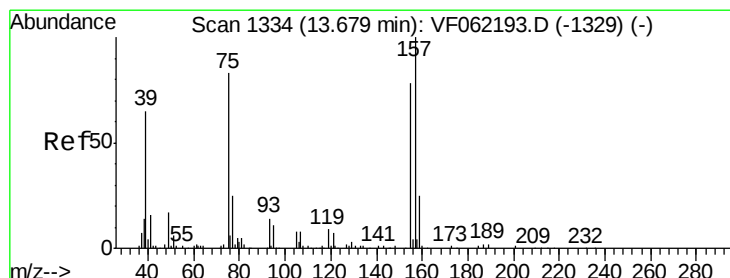
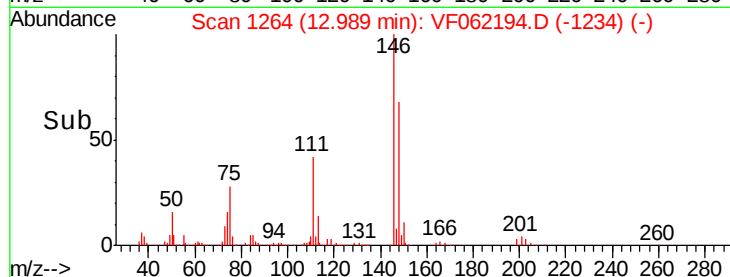
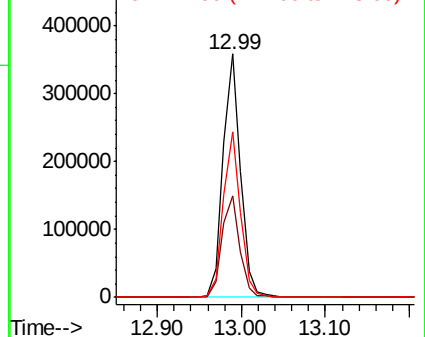


Abundance

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



#92

1,2-Dibromo-3-Chloropropane

Concen: 33.774 ug/l

RT: 13.68 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VF062194.D

Acq: 17 Apr 2019 19:07

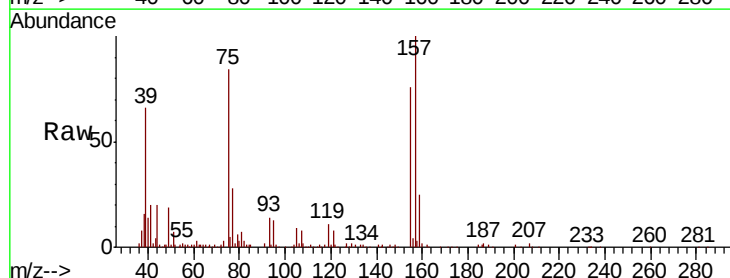
Tgt Ion: 75 Resp: 45717

Ion Ratio Lower Upper

75 100

155 101.1 47.6 142.8

157 128.5 61.3 183.9

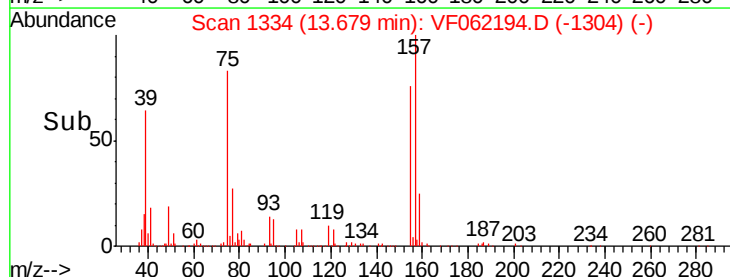
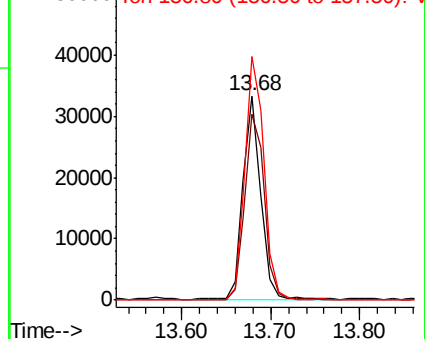


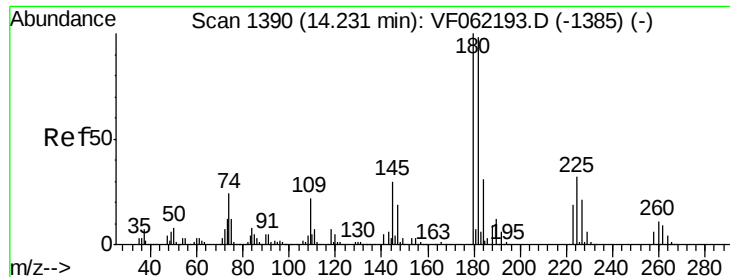
Abundance

Ion 74.90 (74.60 to 75.60): VF0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 74.108 ug/l

RT: 14.23 min Scan# 1390

Delta R.T. -0.00 min

Lab File: VF062194.D

Acq: 17 Apr 2019 19:07

Instrument :

MSVOA_F

ClientSampleId :

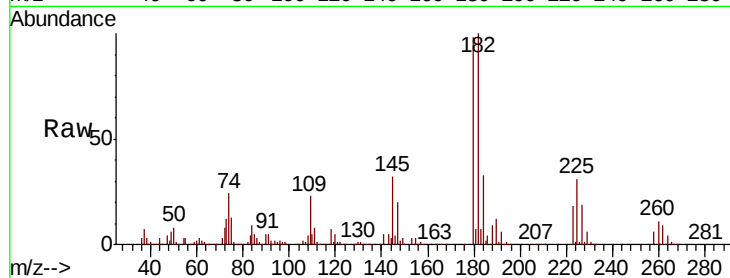
Tot Ion:180 Resp: 423826

Ion Ratio Lower Upper

180 100

182 99.5 49.3 147.9

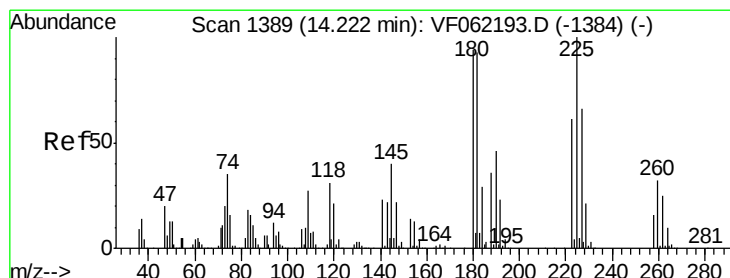
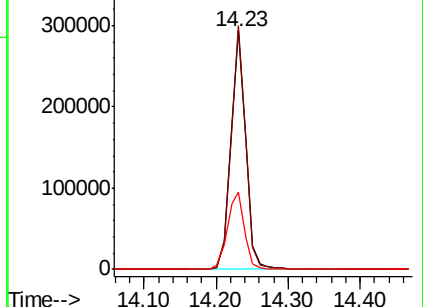
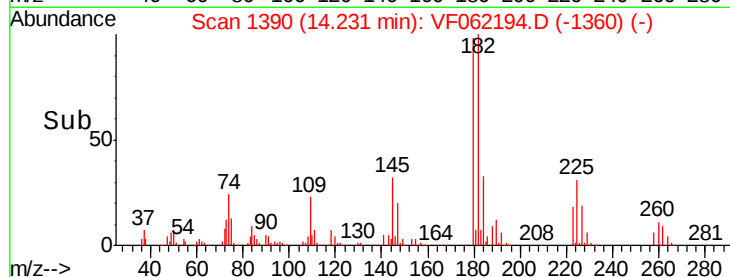
145 36.7 18.1 54.4



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: 100.982 ug/l

RT: 14.22 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VF062194.D

Acq: 17 Apr 2019 19:07

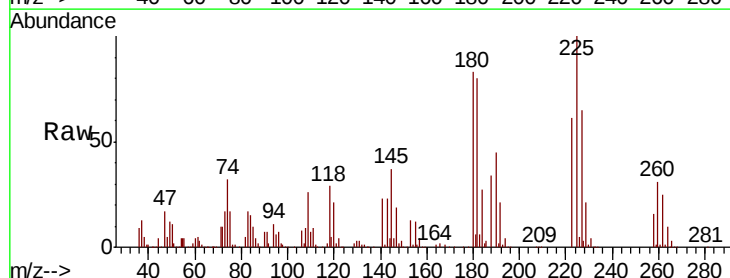
Tgt Ion:225 Resp: 310452

Ion Ratio Lower Upper

225 100

223 61.2 31.0 93.0

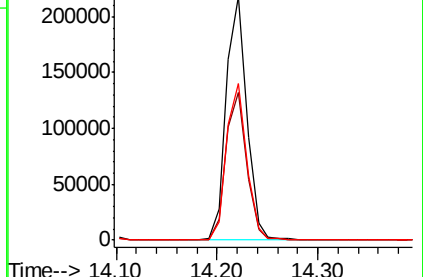
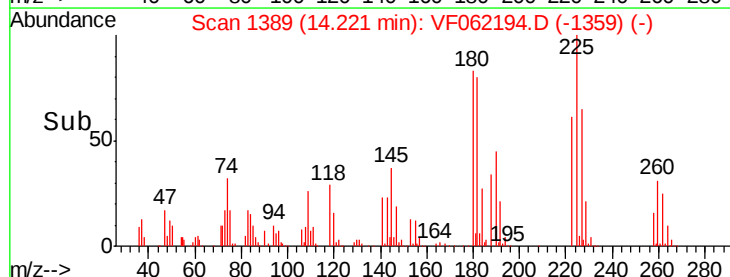
227 63.9 32.4 97.0

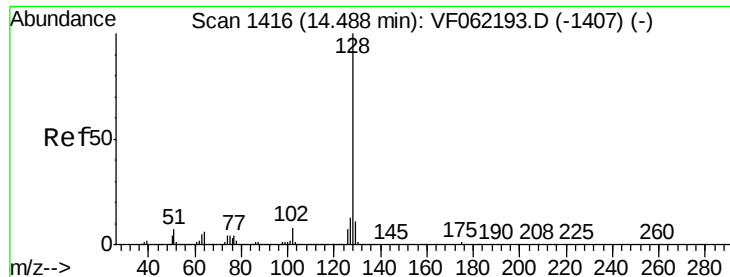


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 48.226 ug/l

RT: 14.49 min Scan# 1416

Delta R.T. -0.00 min

Lab File: VF062194.D

Acq: 17 Apr 2019 19:07

Instrument :

MSVOA_F

ClientSampleId :

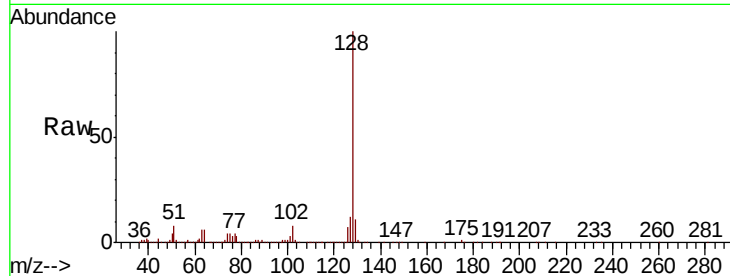
Tot Ion:128 Resp: 811737

Ion Ratio Lower Upper

128 100

127 12.8 10.4 15.6

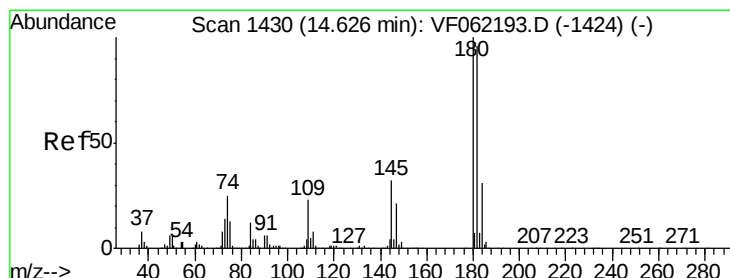
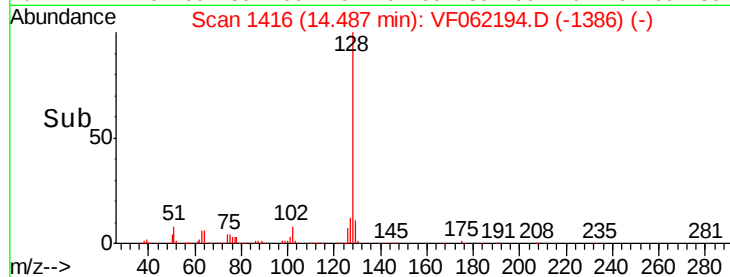
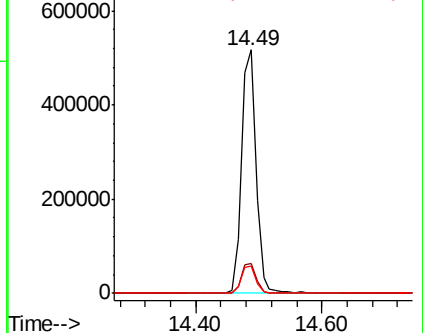
129 11.4 9.2 13.8



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: 75.646 ug/l

RT: 14.63 min Scan# 1430

Delta R.T. -0.00 min

Lab File: VF062194.D

Acq: 17 Apr 2019 19:07

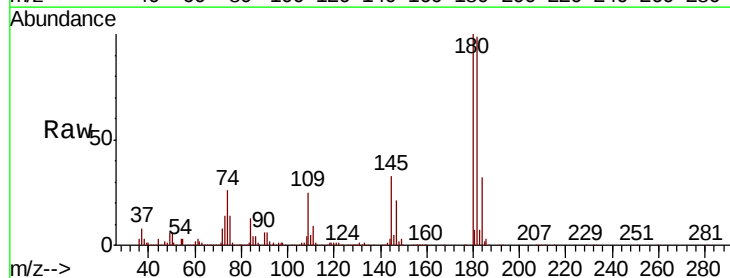
Tgt Ion:180 Resp: 429552

Ion Ratio Lower Upper

180 100

182 98.5 48.4 145.3

145 31.4 15.6 46.8



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

