

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF041819\
 Data File : VF062202.D
 Acq On : 18 Apr 2019 13:49
 Operator : FY/SY
 Sample : k2423-19
 Misc : 4.11g/5mL/MSVOA F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Apr 19 01:15:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F041719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 07:43:02 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	4798	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.77	114	5877	50.00	ug/l	0.01
63) Chlorobenzene-d5	9.91	117	1964	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.63	152	64	50.00	ug/l	0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.03	65	1431	32.53	ug/l	0.02
Spiked Amount			Recovery	=	65.06%	
35) Dibromofluoromethane	4.30	113	1872	36.41	ug/l	0.00
Spiked Amount			Recovery	=	72.82%	
50) Toluene-d8	7.71	98	3969	30.50	ug/l	0.01
Spiked Amount			Recovery	=	61.00%	
62) 4-Bromofluorobenzene	11.52	95	1136	22.69	ug/l	0.04
Spiked Amount			Recovery	=	45.38%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.00	85	192	2.633	ug/l #	42
3) Chloromethane	1.14	50	414	5.493	ug/l #	70
4) Vinyl Chloride	1.21	62	80	1.236	ug/l #	42
5) Bromomethane	1.41	94	238	6.327	ug/l #	4
6) Chloroethane	1.45	64	69	2.549	ug/l #	77
8) Diethyl Ether	1.53	74	261	15.245	ug/l	78
9) 1,1,2-Trichlorotrifluoroet	1.87	101	60	1.068	ug/l #	1
10) Methyl Iodide	1.98	142	76	0.761	ug/l #	3
11) Tert butyl alcohol	2.66	59	201	65.726	ug/l #	1
12) 1,1-Dichloroethene	1.88	96	603	11.282	ug/l #	1
13) Acrolein	2.11	56	830	569.077	ug/l #	46
14) Allyl chloride	2.17	41	1116	18.194	ug/l #	24
15) Acrylonitrile	3.09	53	1020	109.508	ug/l #	22
16) Acetone	2.33	43	775	73.697	ug/l #	55
17) Carbon Disulfide	1.94	76	69	0.465	ug/l #	25
18) Methyl Acetate	2.46	43	1533	70.008	ug/l #	59
19) Methyl tert-butyl Ether	2.55	73	234	2.480	ug/l #	84
20) Methylene Chloride	2.35	84	112	Below Cal	#	1
21) trans-1,2-Dichloroethene	2.42	96	316	5.979	ug/l #	13
22) Diisopropyl ether	2.94	45	167	1.064	ug/l #	1
23) Vinyl Acetate	3.33	43	1308	17.497	ug/l #	79
24) 1,1-Dichloroethane	3.03	63	95	1.107	ug/l #	88
25) 2-Butanone	4.50	43	1592	75.712	ug/l #	56
26) 2,2-Dichloropropane	3.85	77	295	6.808	ug/l	97
27) cis-1,2-Dichloroethene	3.84	96	237	3.463	ug/l	26
28) Bromochloromethane	4.09	49	64	1.557	ug/l #	83
29) Tetrahydrofuran	4.26	42	154	16.180	ug/l #	39
30) Chloroform	4.17	83	658	6.238	ug/l	90
31) Cyclohexane	3.89	56	138	1.342	ug/l #	17
32) 1,1,1-Trichloroethane	4.29	97	231	2.992	ug/l #	56
36) 1,1-Dichloropropene	4.51	75	101	1.433	ug/l #	1
37) Ethyl Acetate	4.32	43	996	29.955	ug/l #	86
38) Carbon Tetrachloride	4.16	117	127	2.036	ug/l #	13
39) Methylcyclohexane	5.66	83	284	3.366	ug/l #	28

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	4.83	78	416	2.251	ug/l #	3
41) Methacrylonitrile	4.92	41	252	13.139	ug/l #	23
42) 1,2-Dichloroethane	5.25	62	70	1.433	ug/l #	74
43) Isopropyl Acetate	7.11	43	1322	37.803	ug/l #	58
44) Trichloroethene	5.84	130	87	1.742	ug/l #	35
45) 1,2-Dichloropropane	6.42	63	209	5.134	ug/l #	42
46) Dibromomethane	6.24	93	199	7.347	ug/l #	6
47) Bromodichloromethane	6.54	83	241	3.943	ug/l #	95
48) Methyl methacrylate	6.85	41	1612	70.142	ug/l #	30
49) 1,4-Dioxane	6.91	88	59	223.851	ug/l #	1
51) 4-Methyl-2-Pentanone	8.37	43	589	22.645	ug/l #	72
52) Toluene	7.78	92	222	2.279	ug/l #	1
53) t-1,3-Dichloropropene	8.44	75	111	2.418	ug/l #	30
54) cis-1,3-Dichloropropene	7.41	75	66	1.063	ug/l #	29
55) 1,1,2-Trichloroethane	8.64	97	174	6.376	ug/l #	46
56) Ethyl methacrylate	8.75	69	764	24.622	ug/l #	1
57) 1,3-Dichloropropane	9.01	76	96	2.178	ug/l #	42
58) 2-Chloroethyl Vinyl ether	7.52	63	120	13.320	ug/l #	48
59) 2-Hexanone	9.77	43	619	38.279	ug/l #	75
60) Dibromochloromethane	9.09	129	59	1.454	ug/l #	61
61) 1,2-Dibromoethane	9.20	107	72	2.342	ug/l #	9
64) Tetrachloroethene	8.44	164	71	4.005	ug/l #	1
65) Chlorobenzene	9.93	112	61	1.457	ug/l #	42
66) 1,1,1,2-Tetrachloroethane	9.94	131	60	3.059	ug/l #	1
67) Ethyl Benzene	10.03	91	337	4.425	ug/l #	64
68) m/p-Xylenes	10.26	106	165	5.886	ug/l #	1
69) o-Xylene	10.66	106	75	2.410	ug/l #	70
70) Stvrene	10.89	104	71	1.616	ug/l #	34
71) Bromoform	10.61	173	65	6.277	ug/l #	28
73) Isopropylbenzene	11.23	105	609	110.775	ug/l #	70
74) N-amyl acetate	11.49	43	1073	858.109	ug/l #	62
75) 1,1,2,2-Tetrachloroethane	11.73	83	733	775.281	ug/l #	63
76) 1,2,3-Trichloropropane	11.86	75	75	115.299	ug/l #	64
77) Bromobenzene	11.58	156	64	54.343	ug/l #	1
78) n-propylbenzene	11.68	91	509	87.766	ug/l #	53
79) 2-Chlorotoluene	11.82	91	373	106.027	ug/l #	41
80) 1,3,5-Trimethylbenzene	11.91	105	441	96.312	ug/l #	26
81) trans-1,4-Dichloro-2-buten	11.86	75	75	226.078	ug/l #	19
82) 4-Chlorotoluene	11.96	91	329	96.768	ug/l #	41
83) tert-Butylbenzene	12.21	119	424	89.544	ug/l #	65
84) 1,2,4-Trimethylbenzene	12.19	105	247	55.744	ug/l #	67
85) sec-Butylbenzene	12.31	105	269	43.758	ug/l #	87
86) p-Isopropyltoluene	12.51	119	215	41.229	ug/l #	73
87) 1,3-Dichlorobenzene	12.54	146	74	33.860	ug/l #	2
88) 1,4-Dichlorobenzene	12.57	146	69	32.733	ug/l #	23
89) n-Butylbenzene	12.90	91	486	120.658	ug/l #	28
90) Hexachloroethane	12.97	117	506	377.869	ug/l #	12
91) 1,2-Dichlorobenzene	12.86	146	76	36.015	ug/l #	19
92) 1,2-Dibromo-3-Chloropropan	13.66	75	334	1798.036	ug/l #	1
95) Naphthalene	14.50	128	252	81.627	ug/l #	62

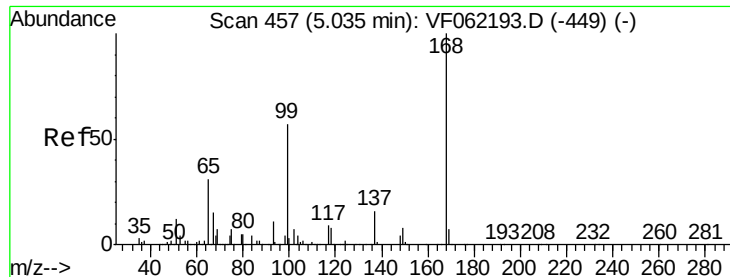
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.05 min Scan# 459

Delta R.T. 0.02 min

Lab File: VF062202.D

Acq: 18 Apr 2019 13:49

Instrument :

MSVOA_F

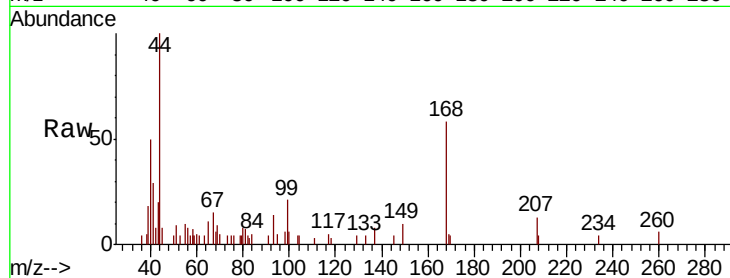
ClientSampleId :

Tot Ion:168 Resp: 4798

Ion Ratio Lower Upper

168 100

99 37.1 45.5 68.3#



Abundance Ion 167.90 (167.60 to 168.60): VF0

Ion 98.90 (98.60 to 99.60): VF0

5.05

1500

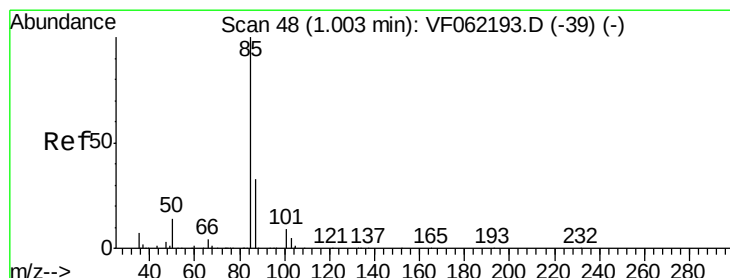
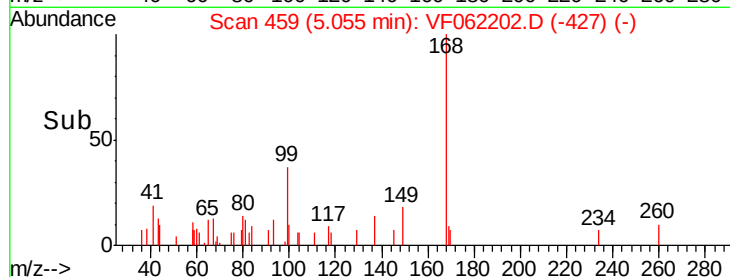
1000

500

0

4.95 5.00 5.05 5.10 5.15

Time-->



#2

Dichlorodifluoromethane

Concen: 2.633 ug/l

RT: 1.00 min Scan# 48

Delta R.T. 0.00 min

Lab File: VF062202.D

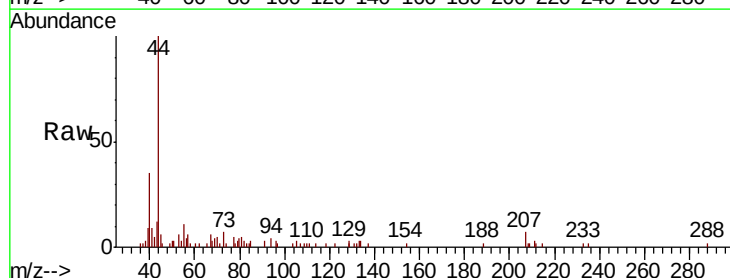
Acq: 18 Apr 2019 13:49

Tgt Ion: 85 Resp: 192

Ion Ratio Lower Upper

85 100

87 0.0 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

200

150

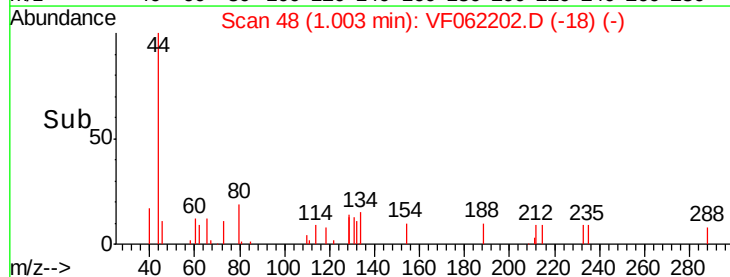
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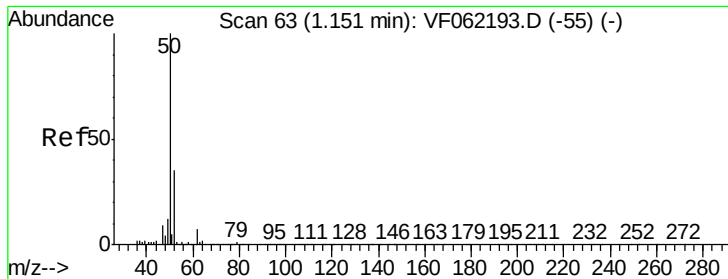
50

0

0.98 1.00 1.02

Time-->





#3

Chloromethane

Concen: 5.493 ug/l

RT: 1.14 min Scan# 62

Delta R.T. -0.01 min

Lab File: VF062202.D

Acq: 18 Apr 2019 13:49

Instrument :

MSVOA_F

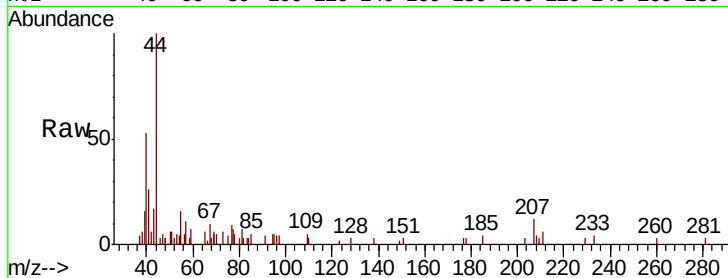
ClientSampleId :

Tot Ion: 50 Resp: 414

Ion Ratio Lower Upper

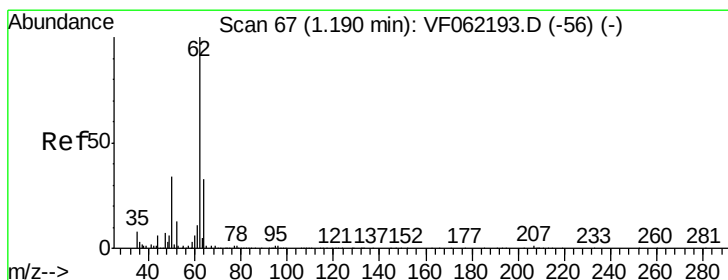
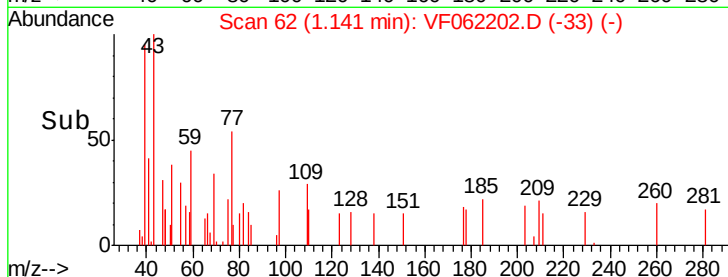
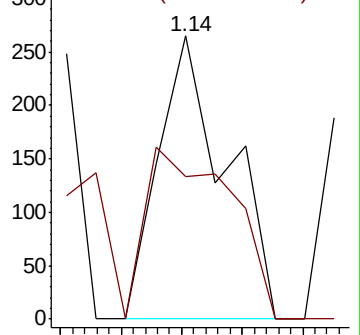
50 100

52 50.6 27.0 40.4#



Abundance Ion 49.90 (49.60 to 50.60): VF0

Ion 51.90 (51.60 to 52.60): VF0



#4

Vinyl Chloride

Concen: 1.236 ug/l

RT: 1.21 min Scan# 69

Delta R.T. 0.02 min

Lab File: VF062202.D

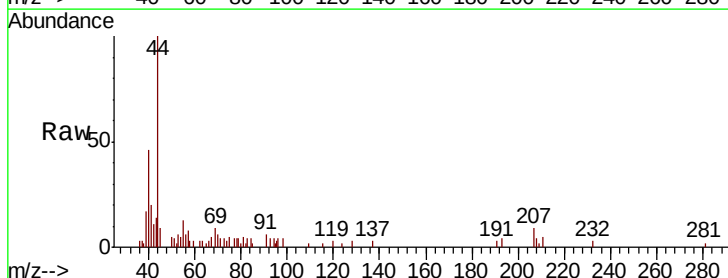
Acq: 18 Apr 2019 13:49

Tgt Ion: 62 Resp: 80

Ion Ratio Lower Upper

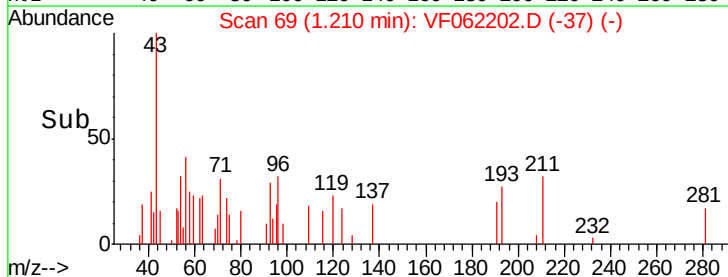
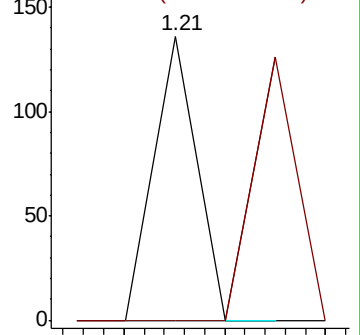
62 100

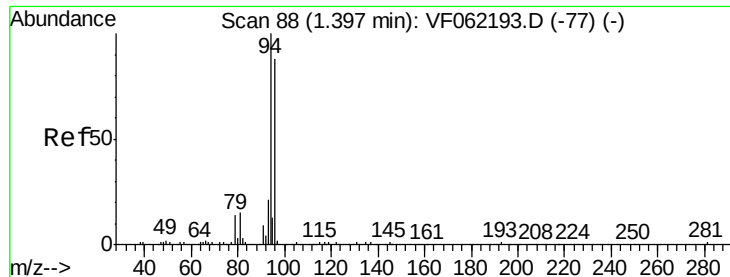
64 0.0 26.2 39.4#



Abundance Ion 61.90 (61.60 to 62.60): VF0

Ion 63.90 (63.60 to 64.60): VF0





#5

Bromomethane

Concen: 6.327 ug/l

RT: 1.41 min Scan# 89

Delta R.T. 0.01 min

Lab File: VF062202.D

Acq: 18 Apr 2019 13:49

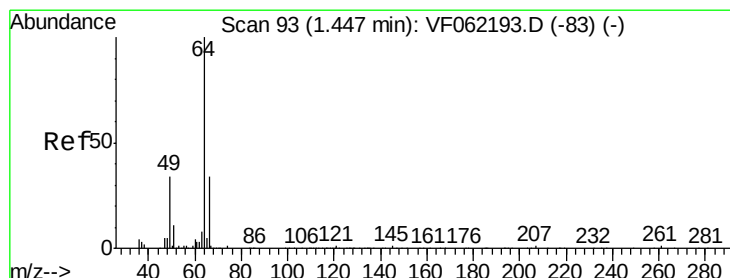
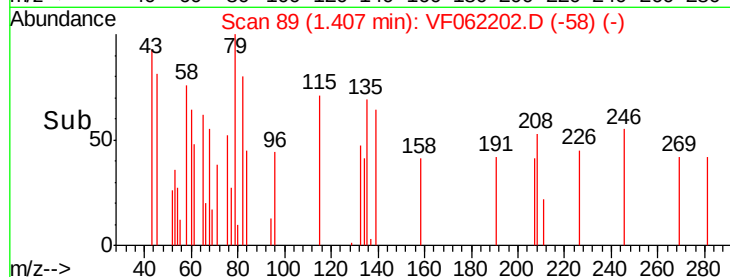
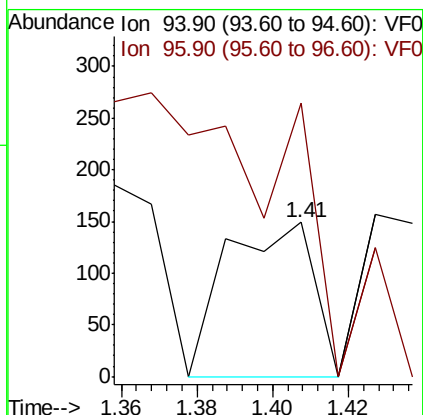
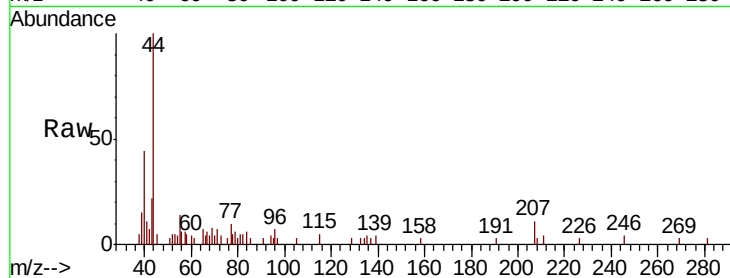
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 94 Resp: 238

Ion Ratio Lower Upper

94 100

96 177.2 70.2 105.4#



#6

Chloroethane

Concen: 2.549 ug/l

RT: 1.45 min Scan# 93

Delta R.T. 0.00 min

Lab File: VF062202.D

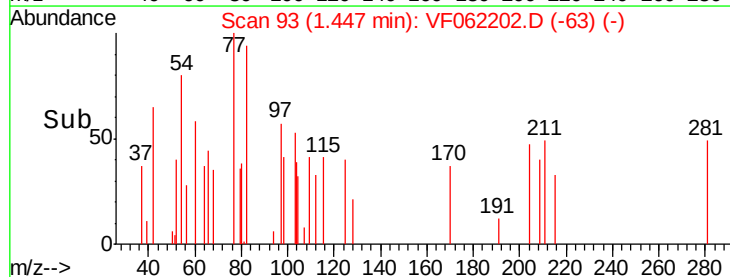
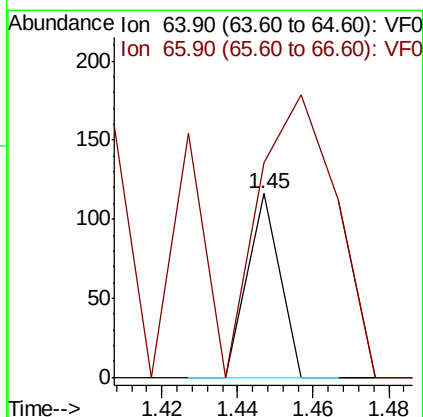
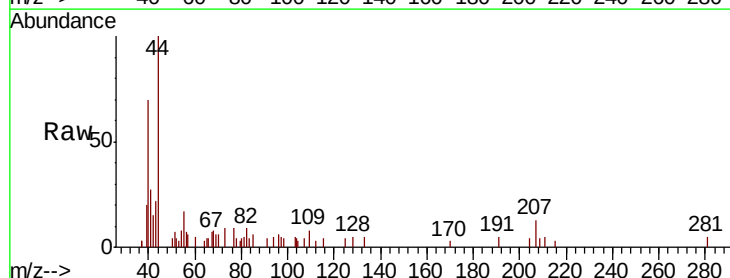
Acq: 18 Apr 2019 13:49

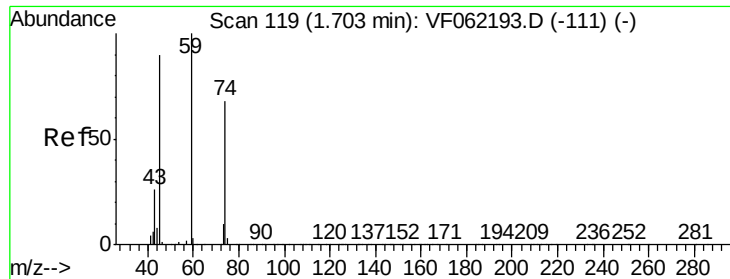
Tgt Ion: 64 Resp: 69

Ion Ratio Lower Upper

64 100

66 20.7 27.0 40.4#





#8

Diethyl Ether

Concen: 15.245 ug/l

RT: 1.53 min Scan# 101

Delta R.T. -0.18 min

Lab File: VF062202.D

Acq: 18 Apr 2019 13:49

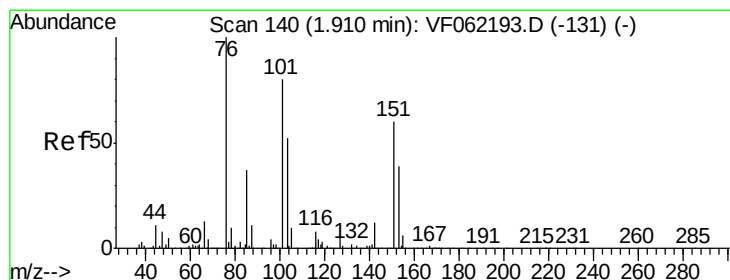
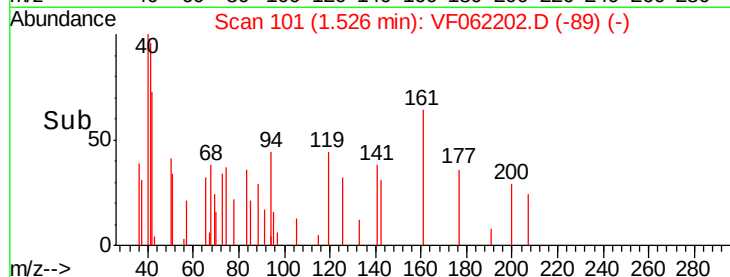
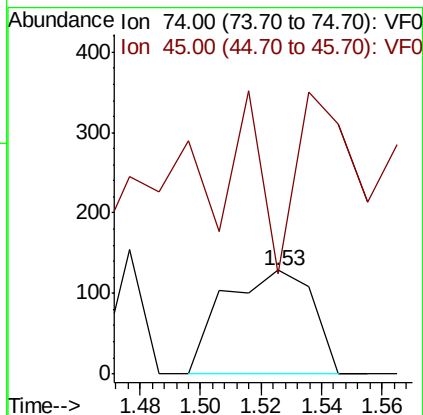
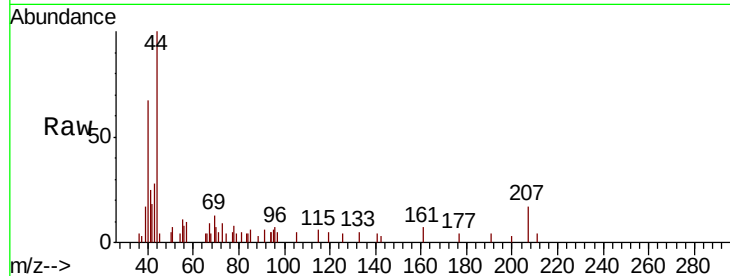
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 74 Resp: 261

Ion Ratio Lower Upper

74 100

45 113.8 70.0 210.2



#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.068 ug/l

RT: 1.87 min Scan# 136

Delta R.T. -0.04 min

Lab File: VF062202.D

Acq: 18 Apr 2019 13:49

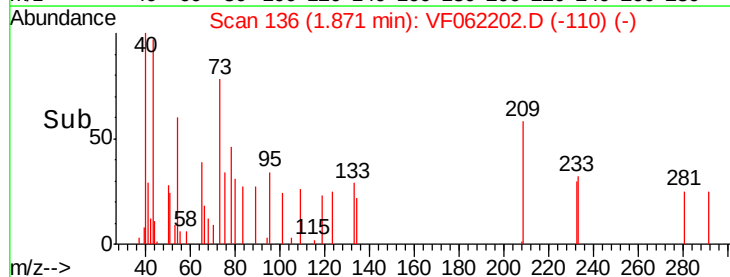
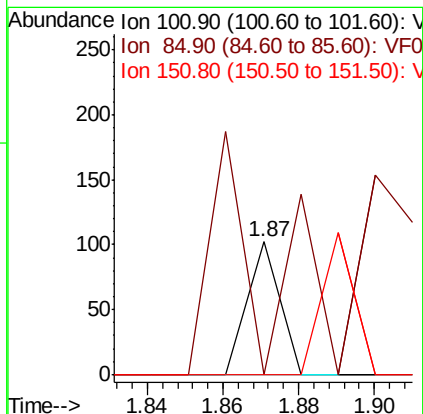
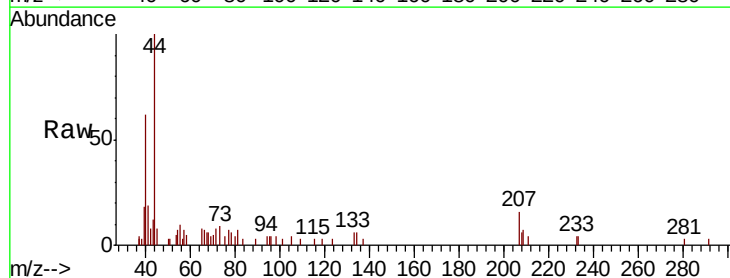
Tgt Ion: 101 Resp: 60

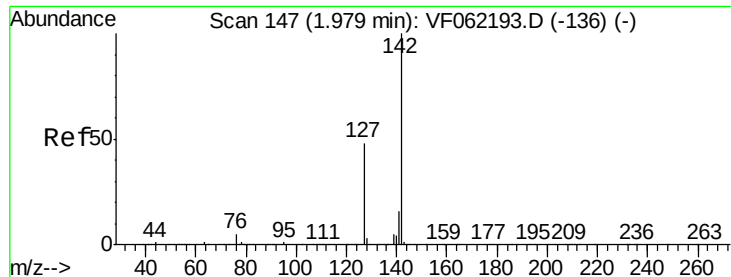
Ion Ratio Lower Upper

101 100

85 185.0 35.3 52.9#

151 0.0 57.5 86.3#

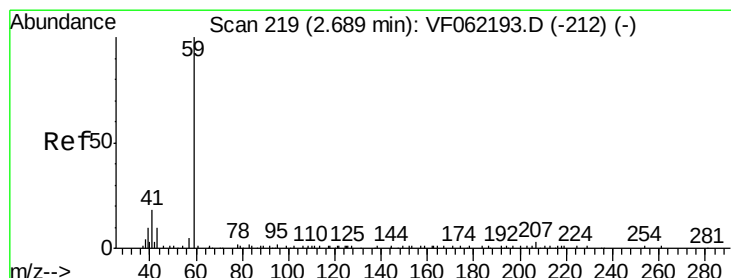
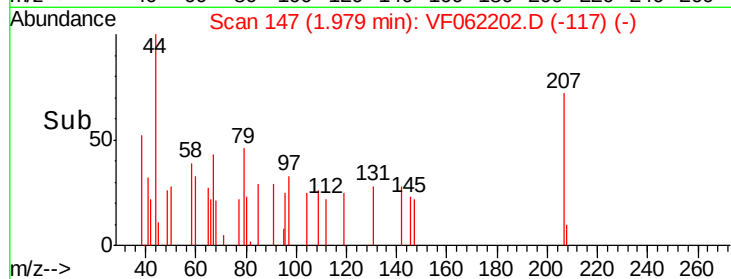
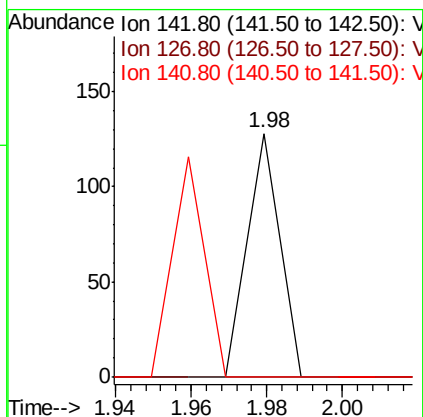
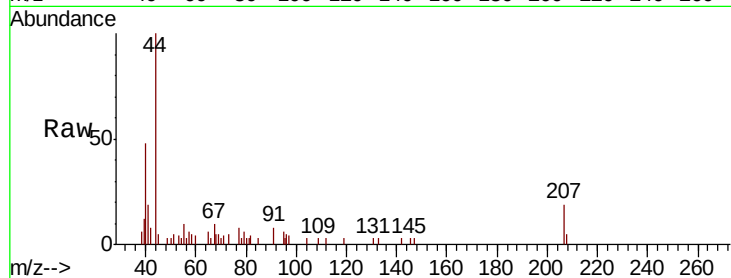




#10
Methvl Iodide
Concen: 0.761 ug/l
RT: 1.98 min Scan# 147
Delta R.T. 0.00 min
Lab File: VF062202.D
Acq: 18 Apr 2019 13:49

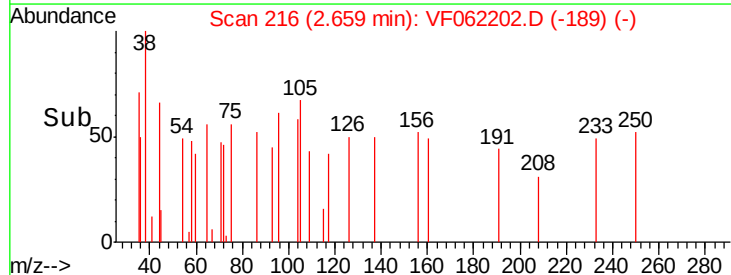
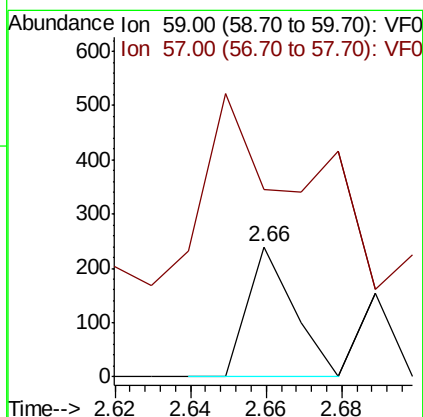
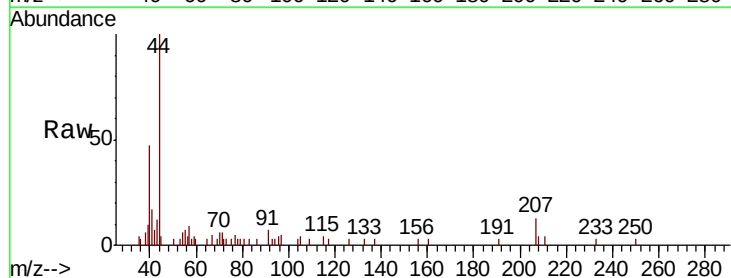
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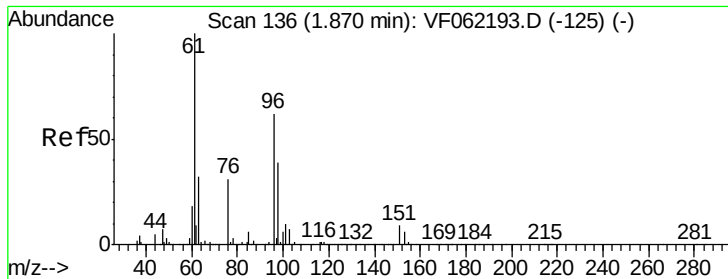
Tot Ion	Ratio	Lower	Upper
142	100		
127	0.0	33.0	49.4#
141	90.8	12.7	19.1#



#11
Tert butyl alcohol
Concen: 65.726 ug/l
RT: 2.66 min Scan# 216
Delta R.T. -0.03 min
Lab File: VF062202.D
Acq: 18 Apr 2019 13:49

Tgt Ion	Ratio	Lower	Upper
59	100		
57	351.2	9.3	13.9#

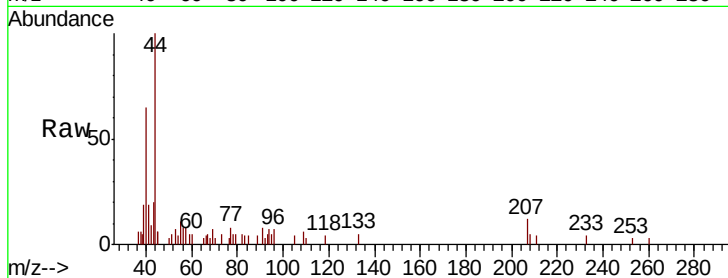




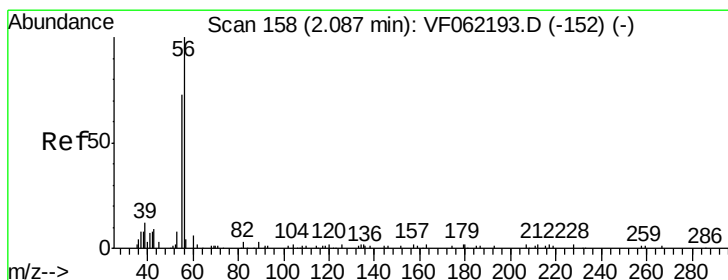
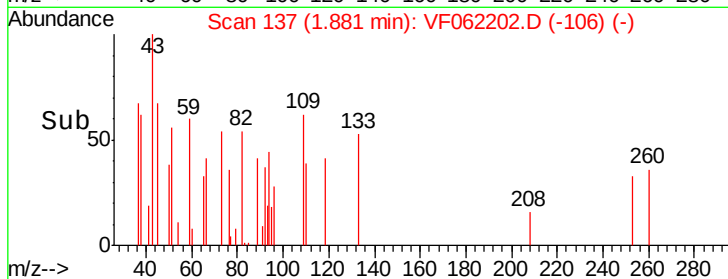
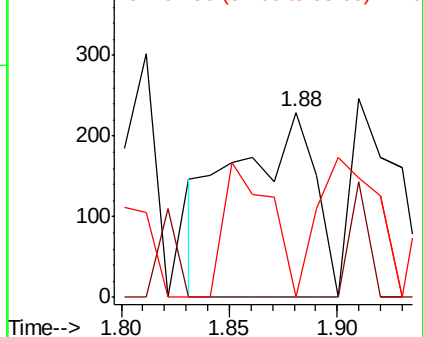
#12
 1,1-Dichloroethene
 Concen: 11.282 ug/l
 RT: 1.88 min Scan# 137
 Delta R.T. 0.01 min
 Lab File: VF062202.D
 Acq: 18 Apr 2019 13:49

Instrument :
 MSVOA_F
 ClientSampled :

Tot Ion: 96 Resp: 603
 Ion Ratio Lower Upper
 96 100
 61 0.0 129.1 193.7#
 98 0.0 50.0 75.0#

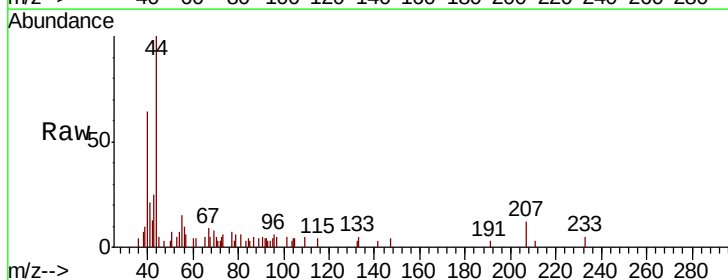


Abundance Ion 95.90 (95.60 to 96.60): VF0
 Ion 60.90 (60.60 to 61.60): VF0
 Ion 97.90 (97.60 to 98.60): VF0

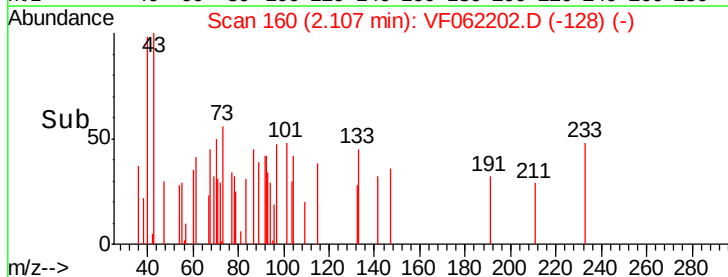
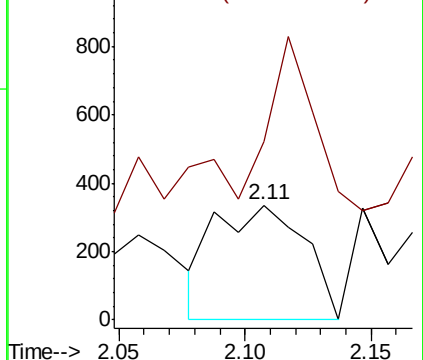


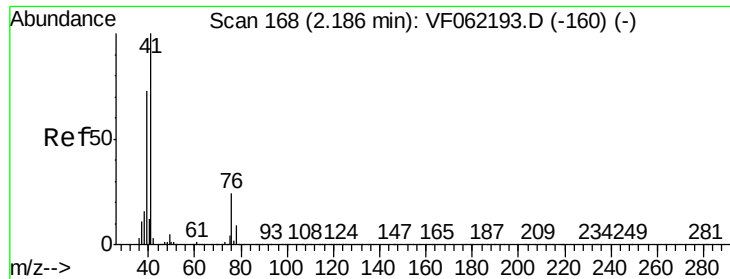
#13
 Acrolein
 Concen: 569.077 ug/l
 RT: 2.11 min Scan# 160
 Delta R.T. 0.02 min
 Lab File: VF062202.D
 Acq: 18 Apr 2019 13:49

Tgt Ion: 56 Resp: 830
 Ion Ratio Lower Upper
 56 100
 55 116.9 57.4 86.0#



Abundance Ion 56.00 (55.70 to 56.70): VF0
 Ion 55.00 (54.70 to 55.70): VF0

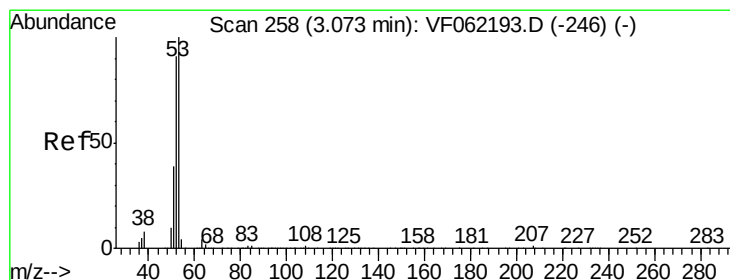
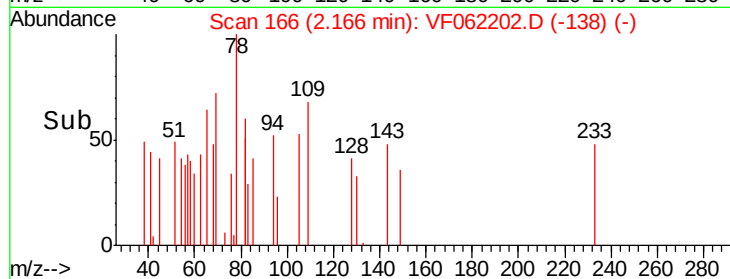
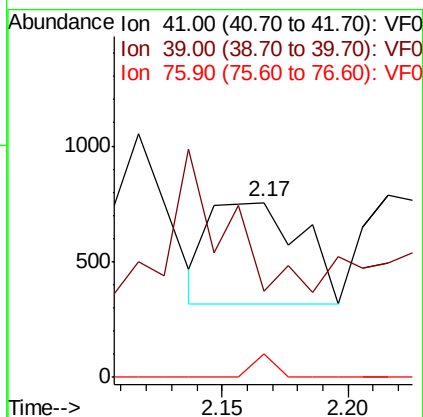
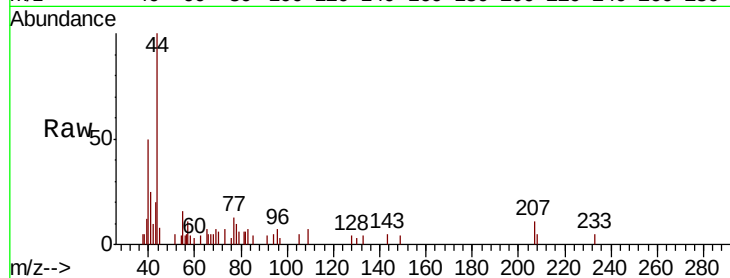




#14
Allvl chloride
Concen: 18.194 ug/l
RT: 2.17 min Scan# 166
Delta R.T. -0.02 min
Lab File: VF062202.D
Acq: 18 Apr 2019 13:49

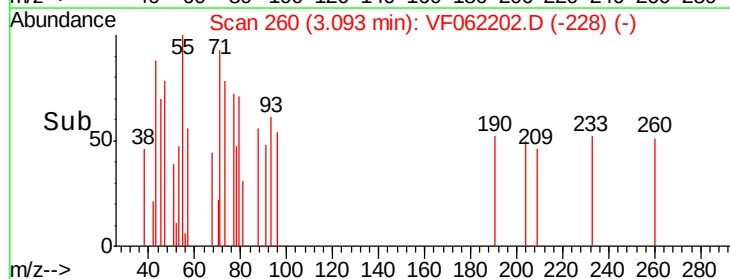
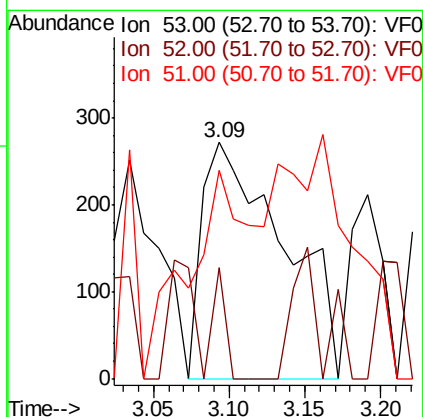
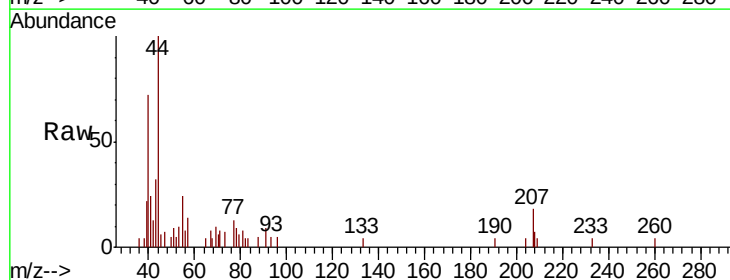
Instrument :
MSVOA_F
ClientSampled :

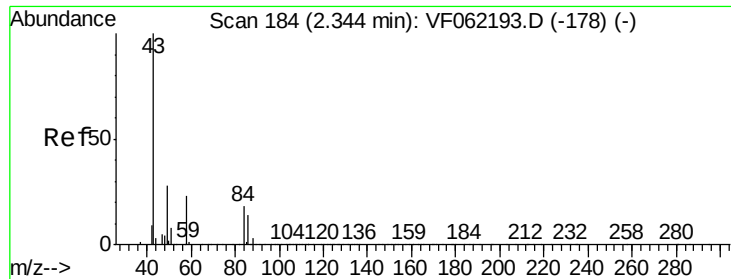
Tot Ion: 41 Resp: 1116
Ion Ratio Lower Upper
41 100
39 0.0 60.0 90.0#
76 5.5 20.6 30.8#



#15
Acrylonitrile
Concen: 109.508 ug/l
RT: 3.09 min Scan# 260
Delta R.T. 0.02 min
Lab File: VF062202.D
Acq: 18 Apr 2019 13:49

Tgt Ion: 53 Resp: 1020
Ion Ratio Lower Upper
53 100
52 0.0 69.5 104.3#
51 66.4 31.8 47.8#

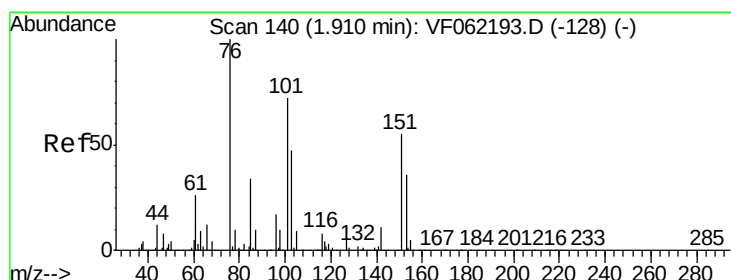
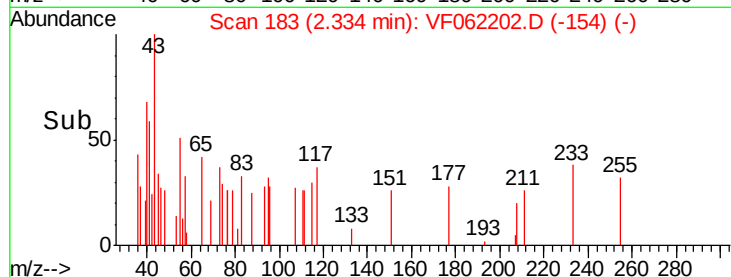
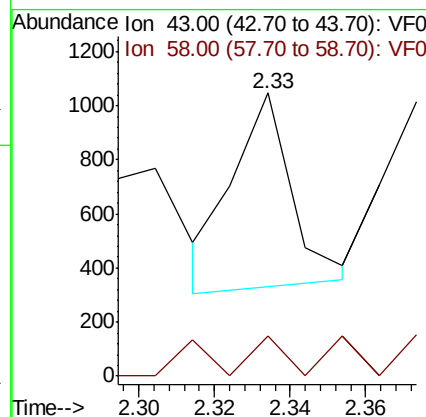
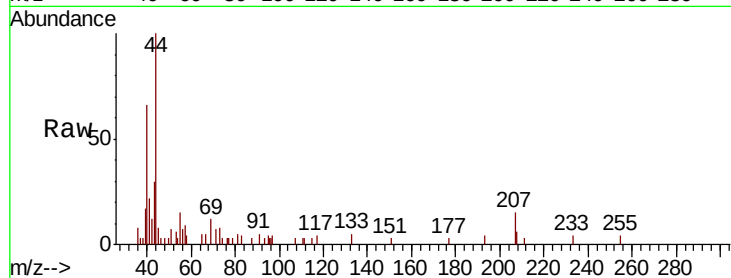




#16
Acetone
Concen: 73.697 ug/l
RT: 2.33 min Scan# 183
Delta R.T. -0.01 min
Lab File: VF062202.D
Acq: 18 Apr 2019 13:49

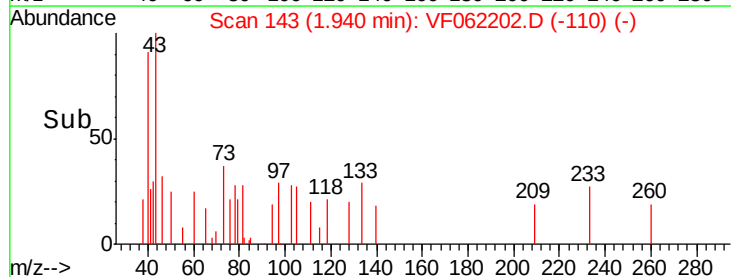
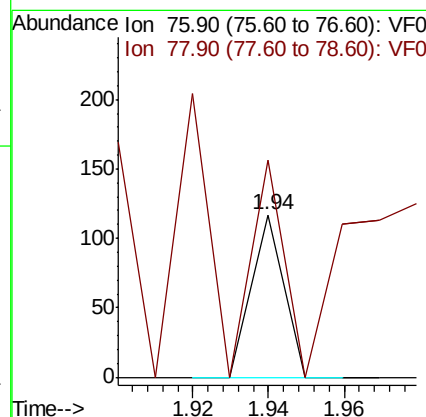
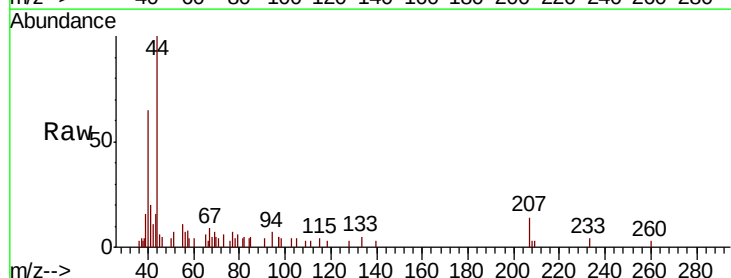
Instrument :
MSVOA_F
ClientSampled :

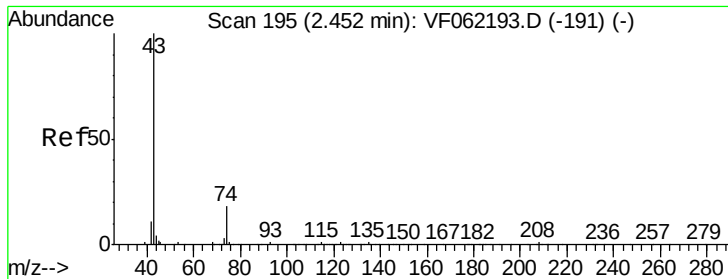
Tot Ion: 43 Resp: 775
Ion Ratio Lower Upper
43 100
58 1.7 18.8 28.2#



#17
Carbon Disulfide
Concen: 0.465 ug/l
RT: 1.94 min Scan# 143
Delta R.T. 0.03 min
Lab File: VF062202.D
Acq: 18 Apr 2019 13:49

Tgt Ion: 76 Resp: 69
Ion Ratio Lower Upper
76 100
78 39.3 8.7 13.1#

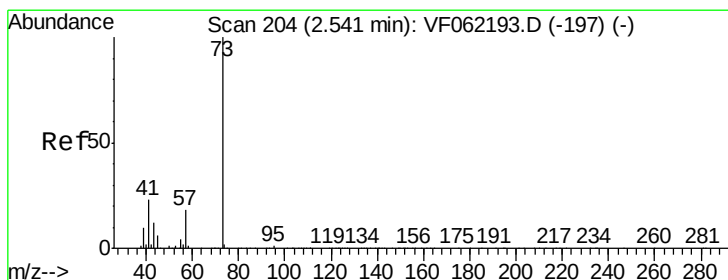
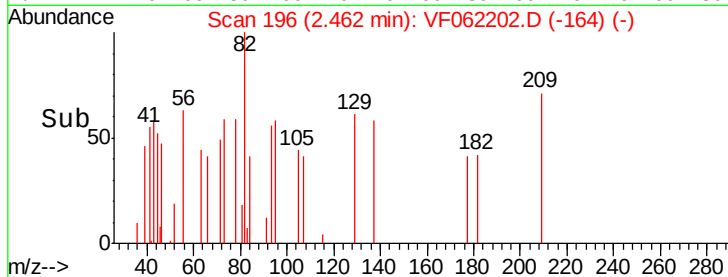
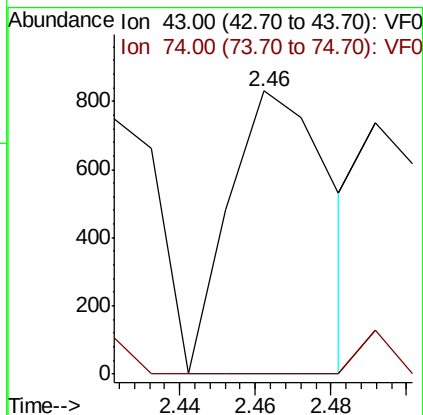
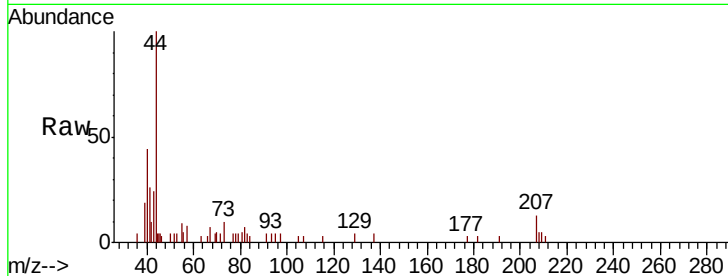




#18
Methyl Acetate
Concen: 70.008 ug/l
RT: 2.46 min Scan# 196
Delta R.T. 0.01 min
Lab File: VF062202.D
Acq: 18 Apr 2019 13:49

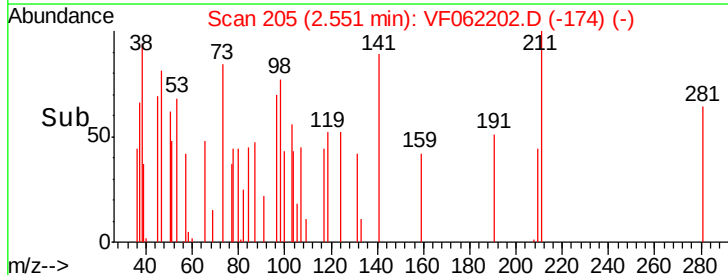
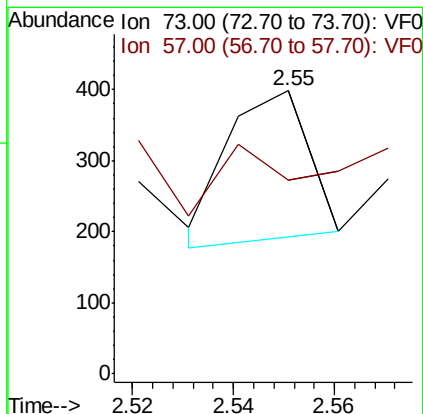
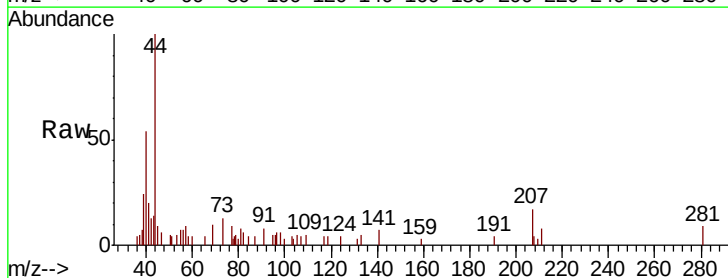
Instrument :
MSVOA_F
ClientSampled :

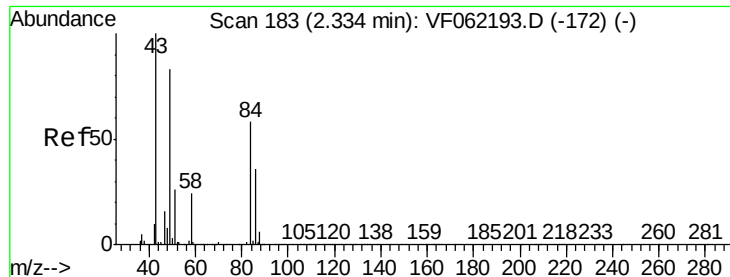
Tot Ion: 43 Resp: 1533
Ion Ratio Lower Upper
43 100
74 0.0 14.5 21.7#



#19
Methyl tert-butyl Ether
Concen: 2.480 ug/l
RT: 2.55 min Scan# 205
Delta R.T. 0.01 min
Lab File: VF062202.D
Acq: 18 Apr 2019 13:49

Tgt Ion: 73 Resp: 234
Ion Ratio Lower Upper
73 100
57 25.9 15.1 22.7#

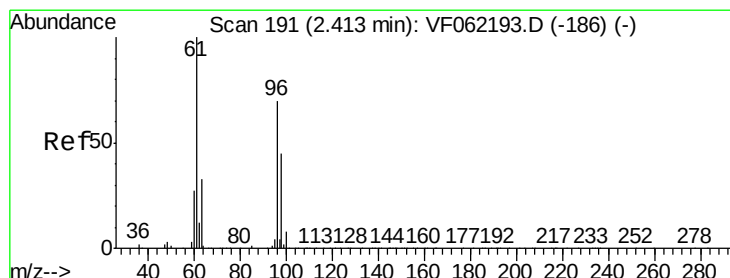
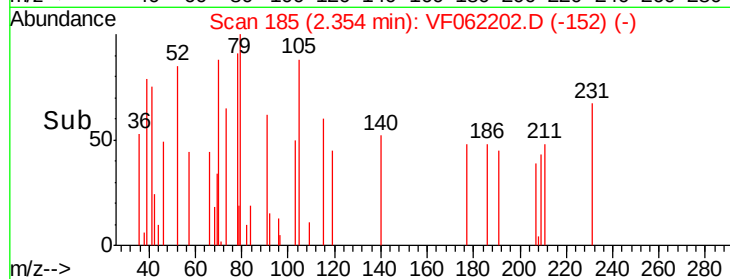
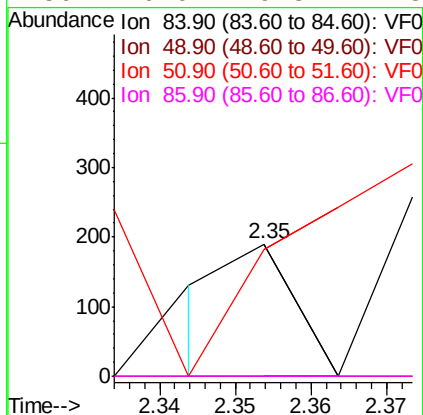
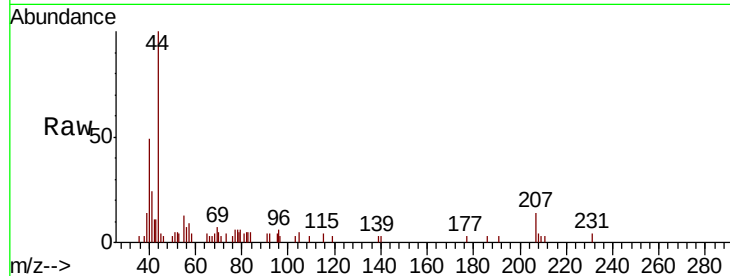




#20
Methylene Chloride
Concen: Below Cal
RT: 2.35 min Scan# 185
Delta R.T. 0.02 min
Lab File: VF062202.D
Acq: 18 Apr 2019 13:49

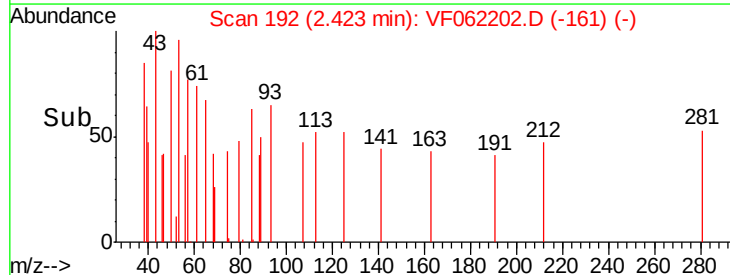
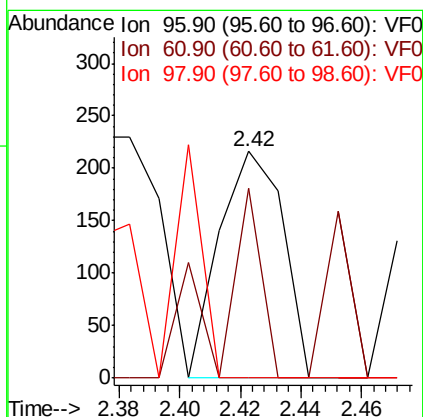
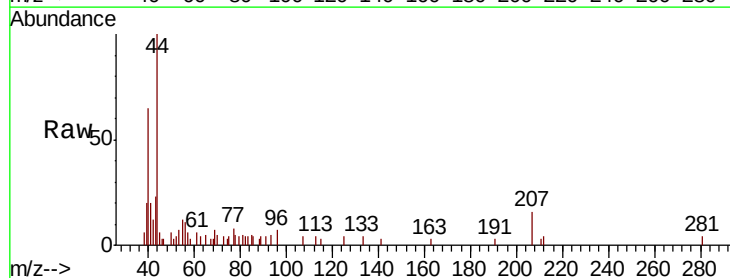
Instrument :
MSVOA_F
ClientSampled :

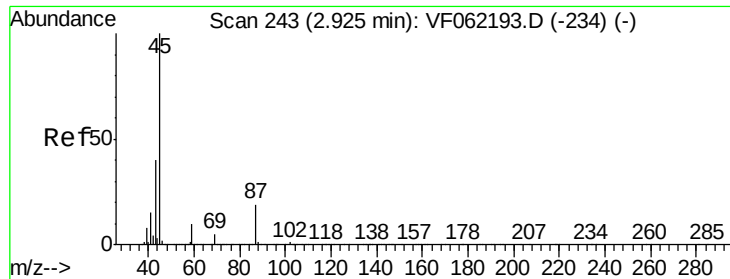
Tot Ion: 84 Resp: 112
Ion Ratio Lower Upper
84 100
49 0.0 114.0 171.0#
51 95.8 37.0 55.4#
86 0.0 49.8 74.8#



#21
trans-1,2-Dichloroethene
Concen: 5.979 ug/l
RT: 2.42 min Scan# 192
Delta R.T. 0.01 min
Lab File: VF062202.D
Acq: 18 Apr 2019 13:49

Tgt Ion: 96 Resp: 316
Ion Ratio Lower Upper
96 100
61 32.9 114.6 172.0#
98 0.0 51.2 76.8#





#22

Diisopropyl ether

Concen: 1.064 ug/l

RT: 2.94 min Scan# 244

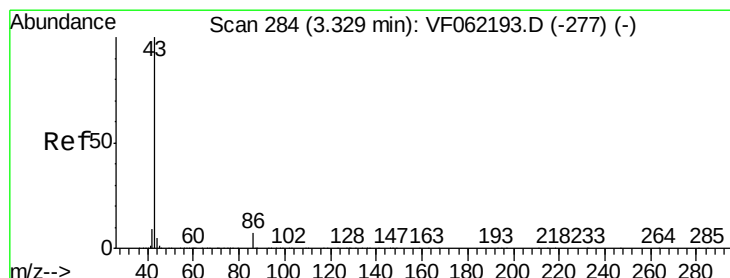
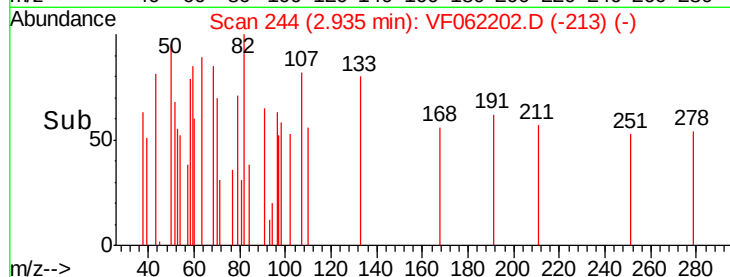
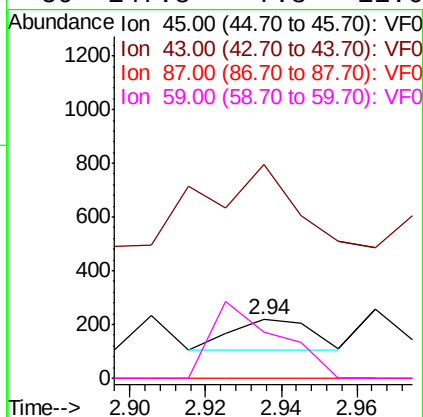
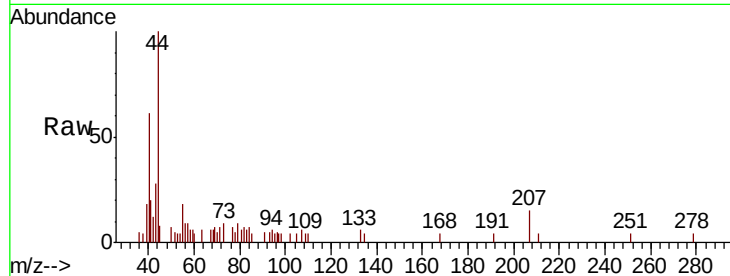
Delta R.T. 0.01 min

Lab File: VF062202.D

Acq: 18 Apr 2019 13:49

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	45	Resp:	167
Ion	Ratio	Lower	Upper
45	100		
43	249.6	32.8	49.2#
87	0.0	15.2	22.8#
59	147.8	7.8	11.6#



#23

Vinyl Acetate

Concen: 17.497 ug/l

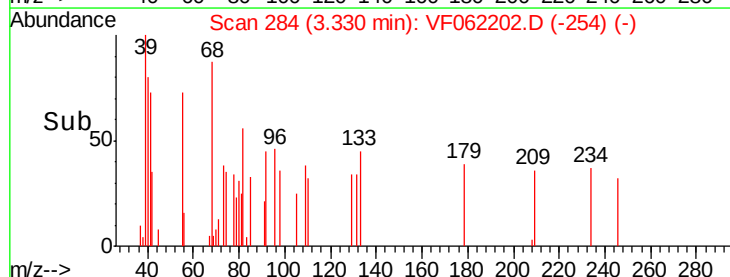
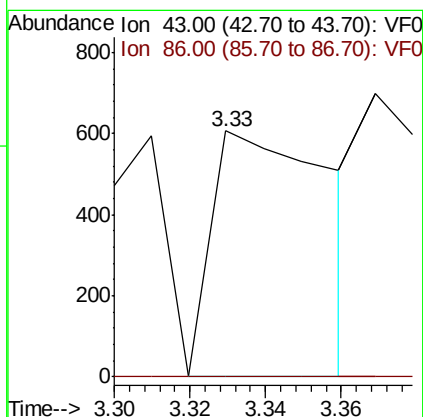
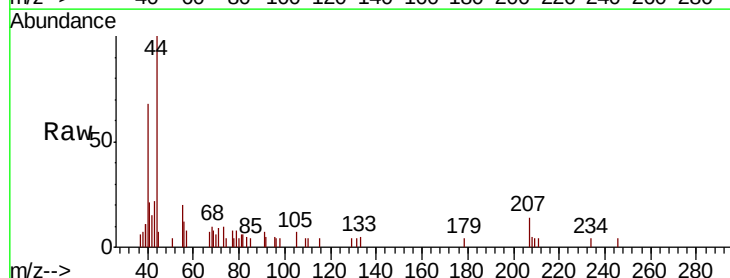
RT: 3.33 min Scan# 284

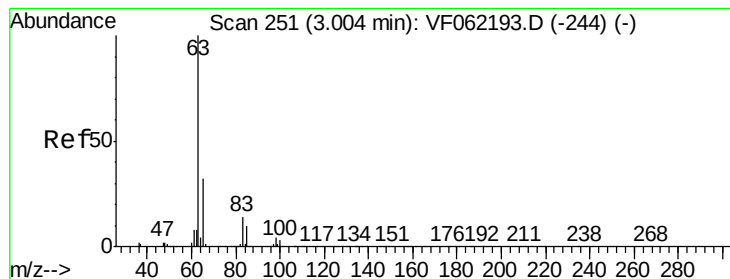
Delta R.T. 0.00 min

Lab File: VF062202.D

Acq: 18 Apr 2019 13:49

Tgt Ion:	43	Resp:	1308
Ion	Ratio	Lower	Upper
43	100		
86	0.0	5.9	8.9#





#24

1,1-Dichloroethane

Concen: 1.107 ug/l

RT: 3.03 min Scan# 254

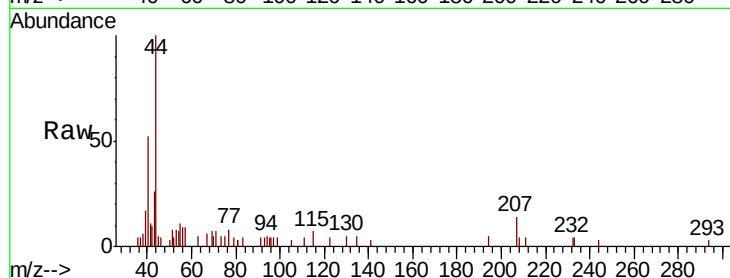
Delta R.T. 0.03 min

Lab File: VF062202.D

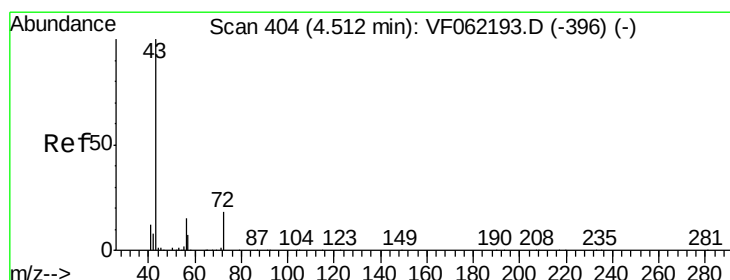
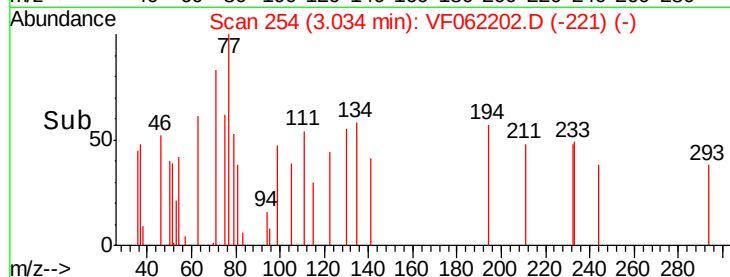
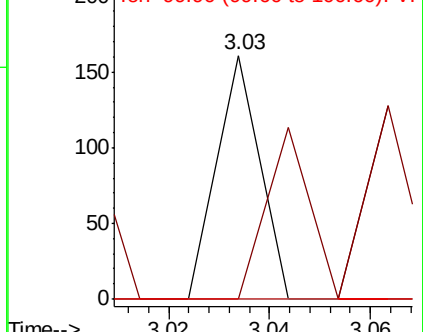
Acq: 18 Apr 2019 13:49

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	63	Resp:	95
Ion	Ratio	Lower	Upper
63	100		
98	0.0	2.3	6.8#
100	0.0	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



#25

2-Butanone

Concen: 75.712 ug/l

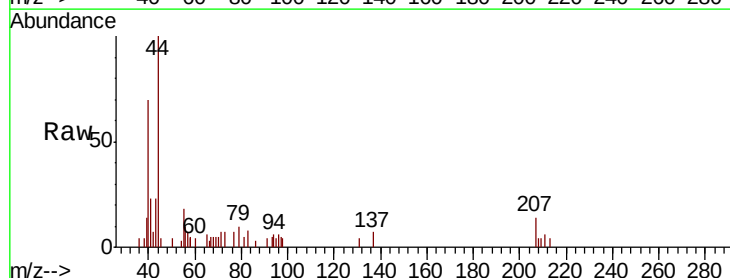
RT: 4.50 min Scan# 403

Delta R.T. -0.01 min

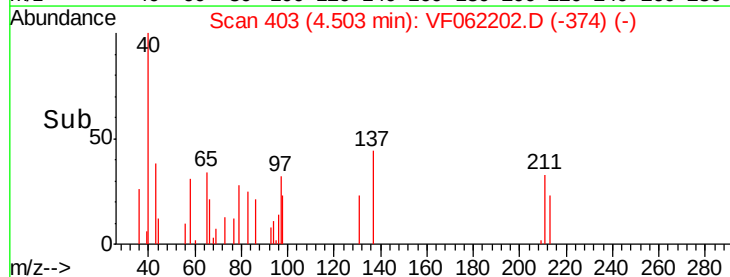
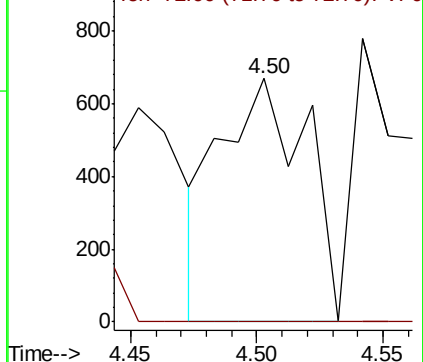
Lab File: VF062202.D

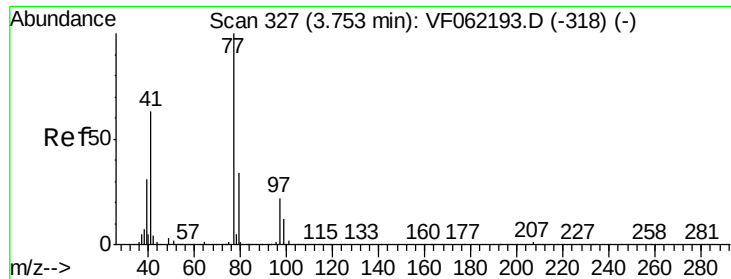
Acq: 18 Apr 2019 13:49

Tgt Ion:	43	Resp:	1592
Ion	Ratio	Lower	Upper
43	100		
72	0.0	16.1	24.1#



Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 72.00 (71.70 to 72.70): VF0

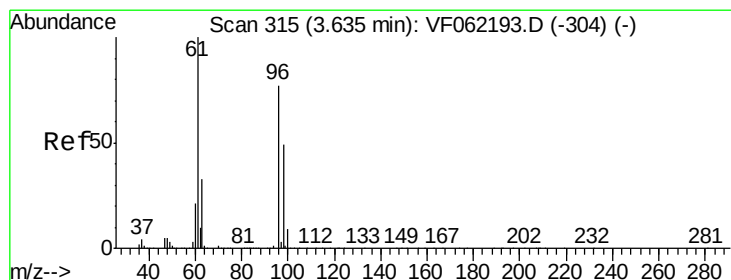
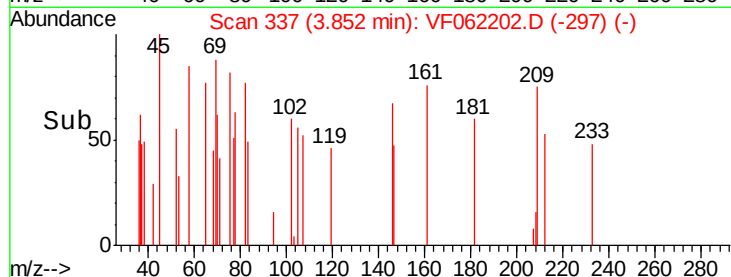
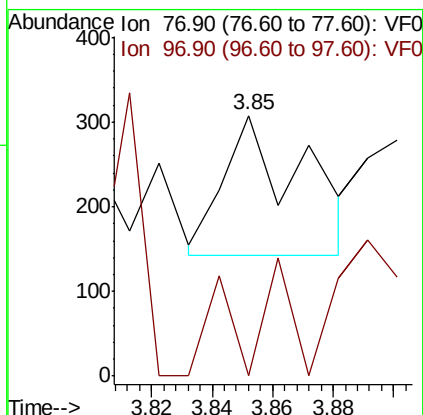
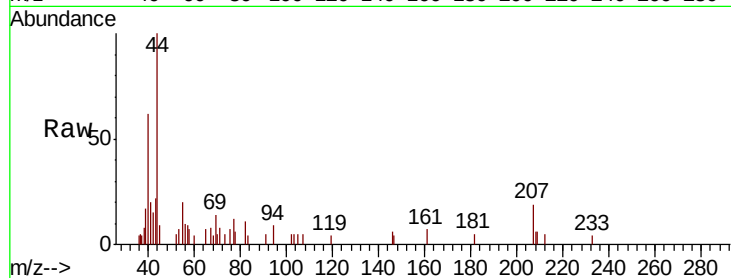




#26
2,2-Dichloropropane
Concen: 6.808 ug/l
RT: 3.85 min Scan# 337
Delta R.T. 0.10 min
Lab File: VF062202.D
Acq: 18 Apr 2019 13:49

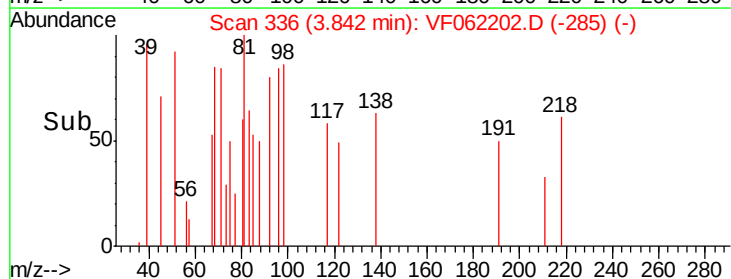
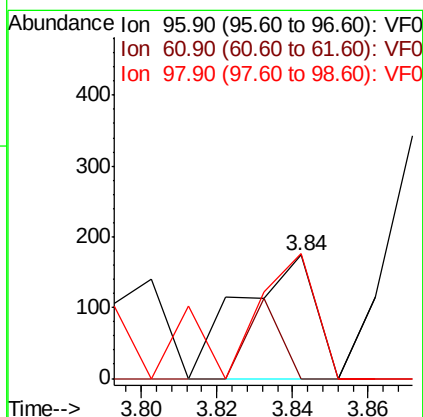
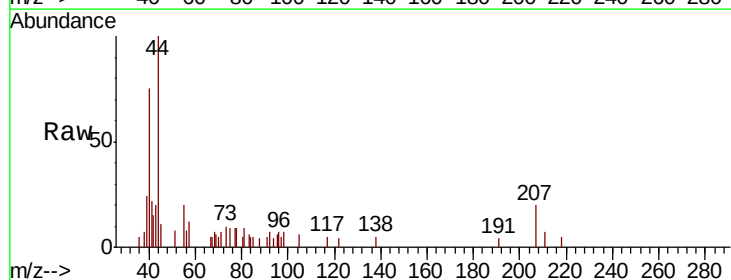
Instrument :
MSVOA_F
ClientSampled :

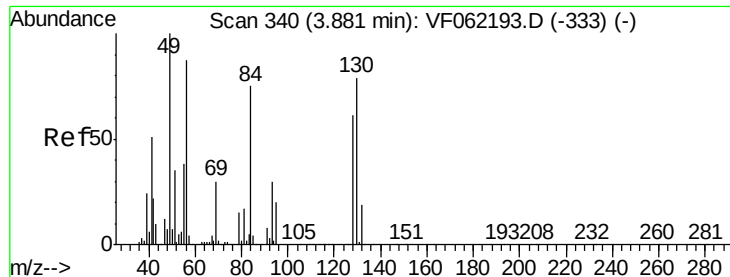
Tot Ion: 77 Resp: 295
Ion Ratio Lower Upper
77 100
97 23.7 11.1 33.3



#27
cis-1,2-Dichloroethene
Concen: 3.463 ug/l
RT: 3.84 min Scan# 336
Delta R.T. 0.21 min
Lab File: VF062202.D
Acq: 18 Apr 2019 13:49

Tgt Ion: 96 Resp: 237
Ion Ratio Lower Upper
96 100
61 28.3 0.0 253.6
98 100.4 0.0 124.8

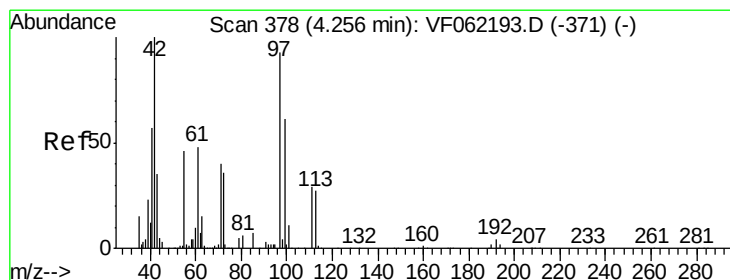
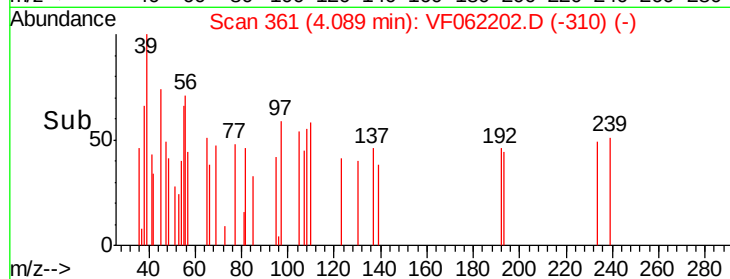
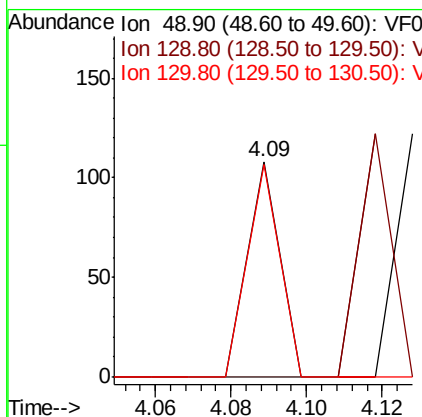
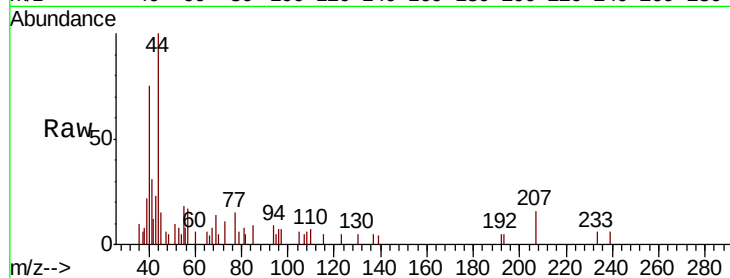




#28
Bromochloromethane
Concen: 1.557 ug/l
RT: 4.09 min Scan# 361
Delta R.T. 0.21 min
Lab File: VF062202.D
Acq: 18 Apr 2019 13:49

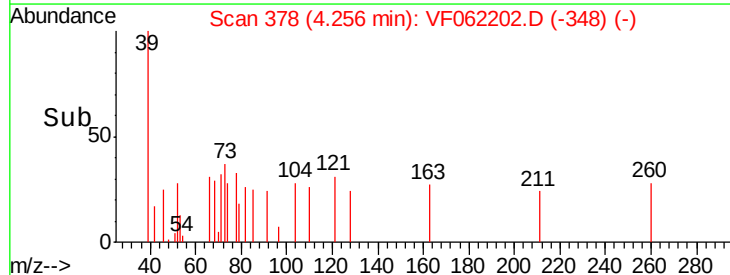
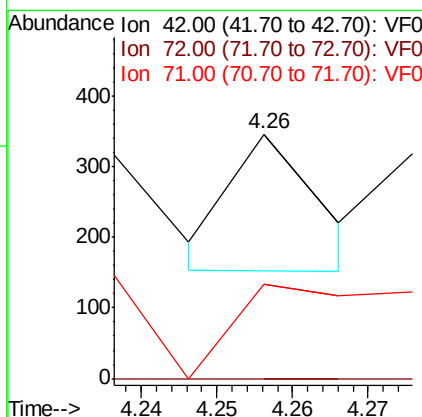
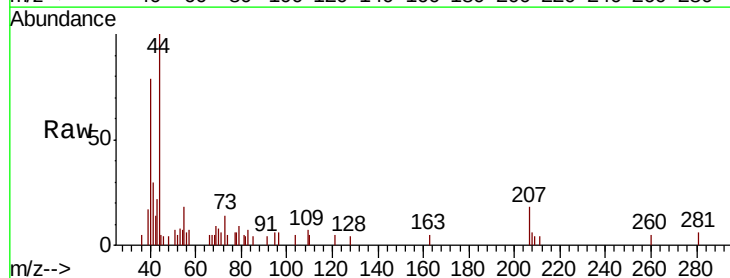
Instrument :
MSVOA_F
ClientSampleId :

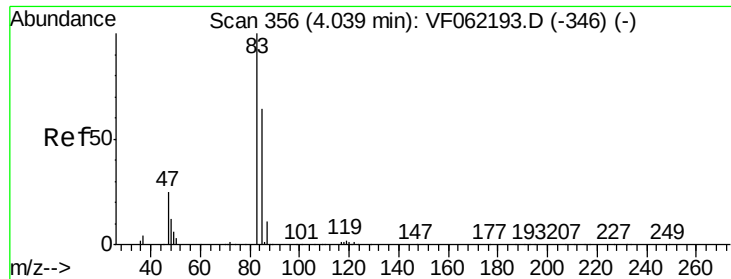
Tot Ion: 49 Resp: 64
Ion Ratio Lower Upper
49 100
129 0.0 0.0 0.0
130 98.4 66.6 100.0



#29
Tetrahydrofuran
Concen: 16.180 ug/l
RT: 4.26 min Scan# 378
Delta R.T. 0.00 min
Lab File: VF062202.D
Acq: 18 Apr 2019 13:49

Tgt Ion: 42 Resp: 154
Ion Ratio Lower Upper
42 100
72 0.0 28.6 43.0#
71 0.0 29.2 43.8#

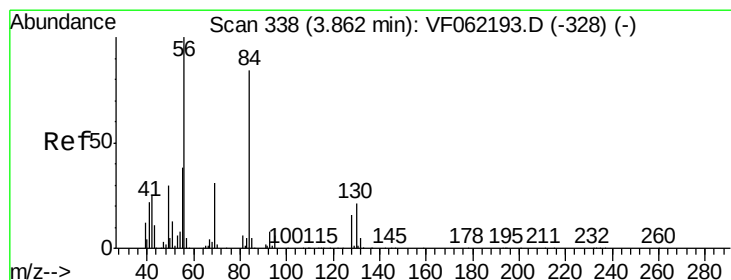
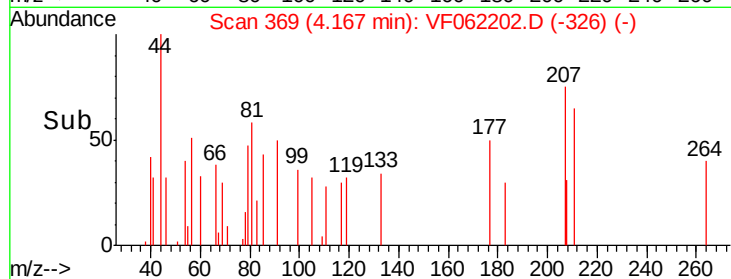
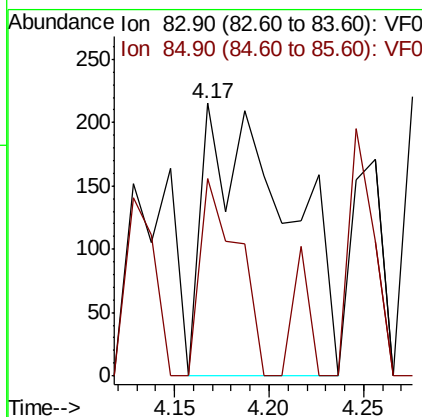
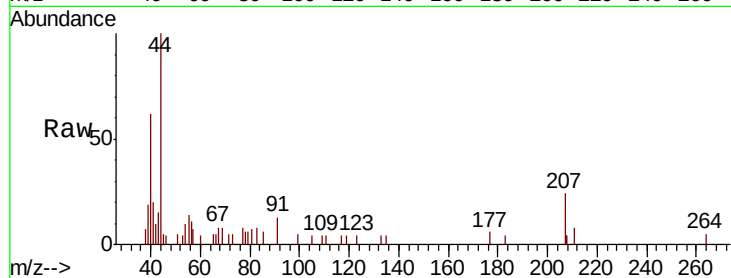




#30
Chloroform
Concen: 6.238 ug/l
RT: 4.17 min Scan# 369
Delta R.T. 0.13 min
Lab File: VF062202.D
Acq: 18 Apr 2019 13:49

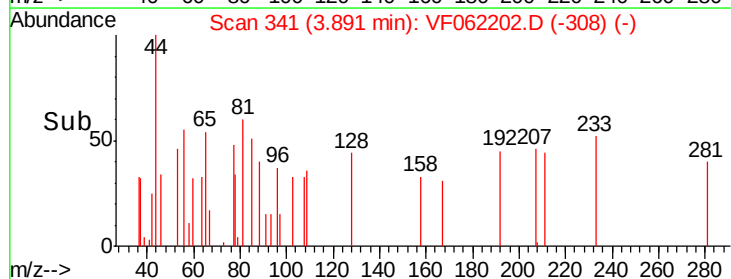
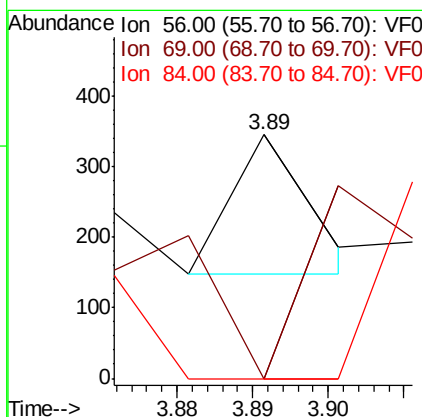
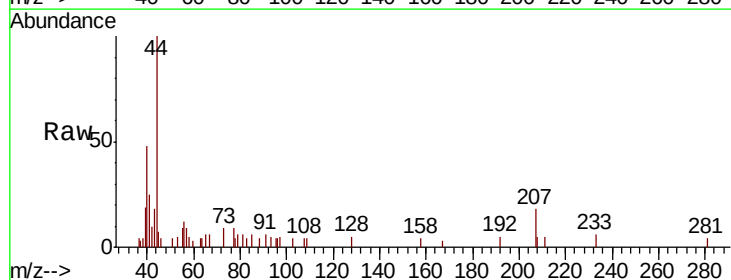
Instrument :
MSVOA_F
ClientSampled :

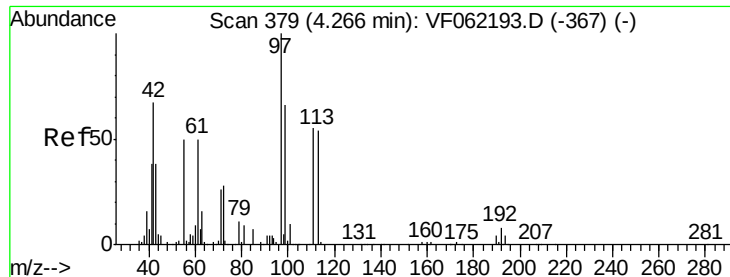
Tot Ion: 83 Resp: 658
Ion Ratio Lower Upper
83 100
85 72.6 51.8 77.8



#31
Cyclohexane
Concen: 1.342 ug/l
RT: 3.89 min Scan# 341
Delta R.T. 0.03 min
Lab File: VF062202.D
Acq: 18 Apr 2019 13:49

Tgt Ion: 56 Resp: 138
Ion Ratio Lower Upper
56 100
69 0.0 25.1 37.7#
84 0.0 67.8 101.6#





#32

1,1,1-Trichloroethane

Concen: 2.992 ug/l

RT: 4.29 min Scan# 381

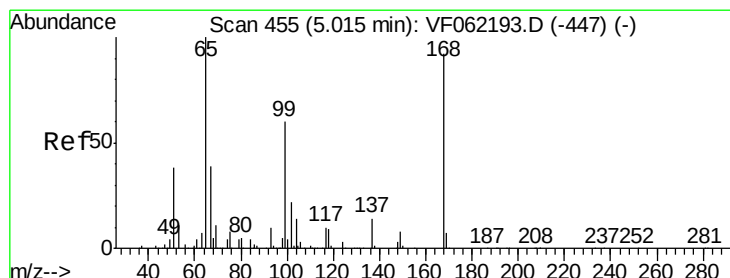
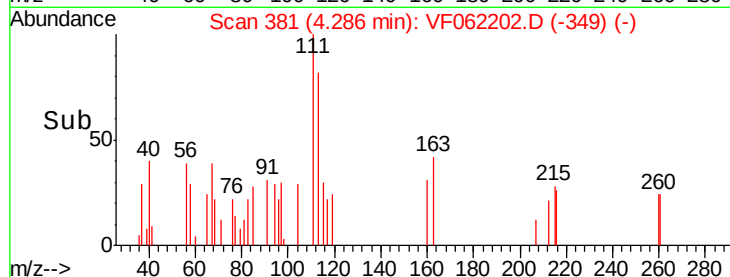
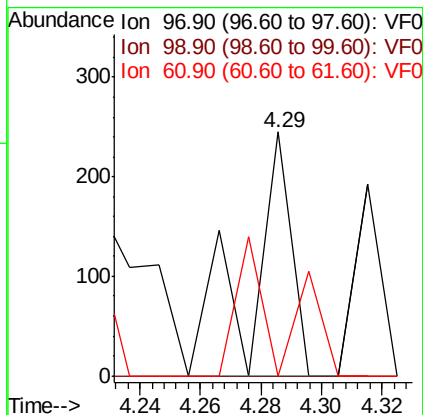
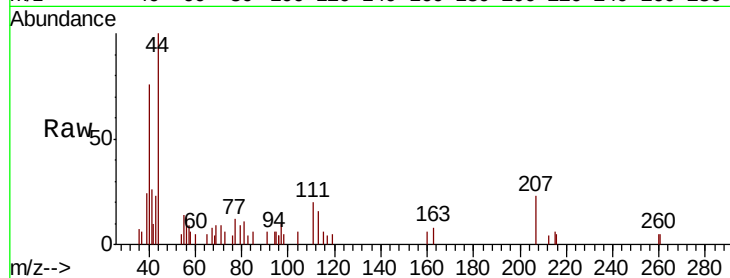
Delta R.T. 0.02 min

Lab File: VF062202.D

Acq: 18 Apr 2019 13:49

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:	97	Resp:	231
Ion	Ratio	Lower	Upper
97	100		
99	0.0	52.7	79.1#
61	62.8	53.0	79.4



#33

1,2-Dichloroethane-d4

Concen: 32.526 ug/l

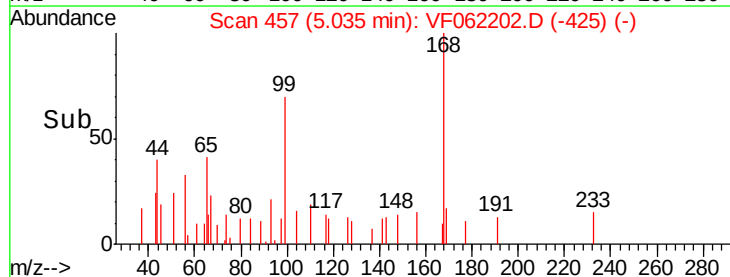
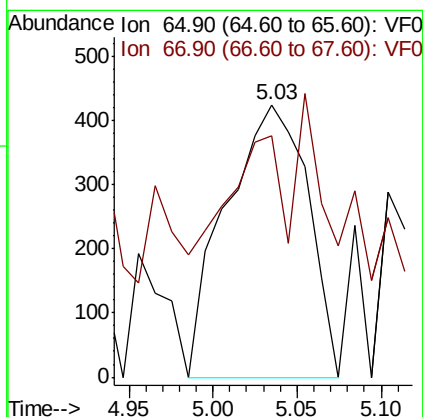
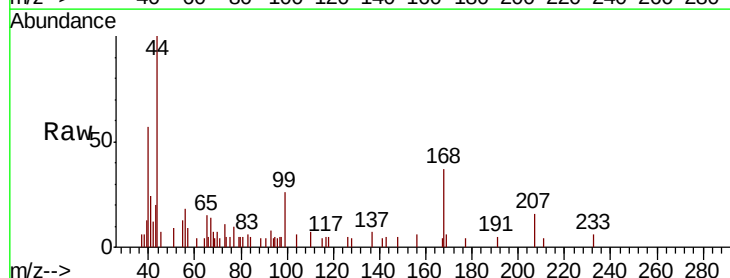
RT: 5.03 min Scan# 457

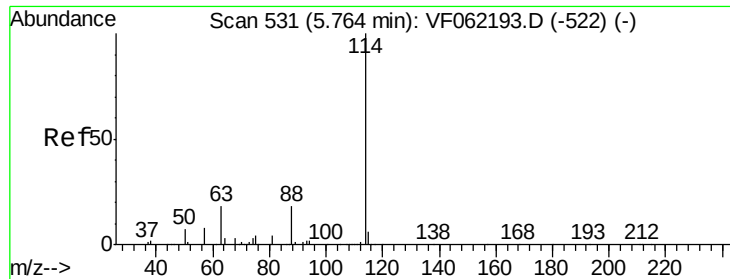
Delta R.T. 0.02 min

Lab File: VF062202.D

Acq: 18 Apr 2019 13:49

Tgt Ion:	65	Resp:	1431
Ion	Ratio	Lower	Upper
65	100		
67	28.8	0.0	109.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.77 min Scan# 532

Delta R.T. 0.01 min

Lab File: VF062202.D

Acq: 18 Apr 2019 13:49

Instrument :

MSVOA_F

ClientSampleId :

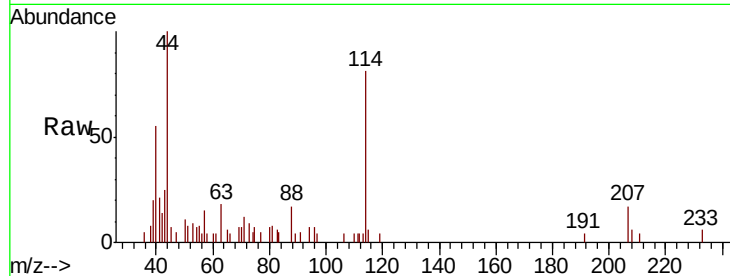
Tot Ion:114 Resp: 5877

Ion Ratio Lower Upper

114 100

63 22.7 0.0 36.6

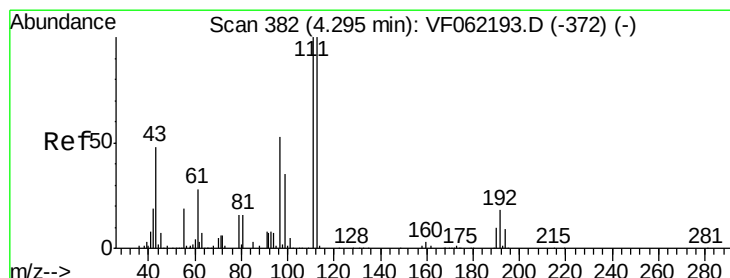
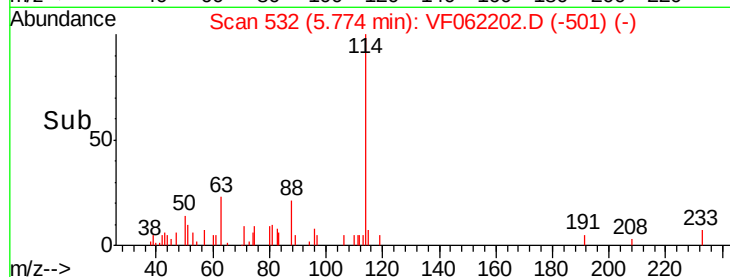
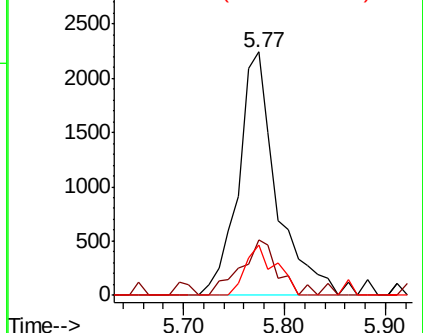
88 20.7 0.0 35.8



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



#35

Dibromofluoromethane

Concen: 36.414 ug/l

RT: 4.30 min Scan# 382

Delta R.T. 0.00 min

Lab File: VF062202.D

Acq: 18 Apr 2019 13:49

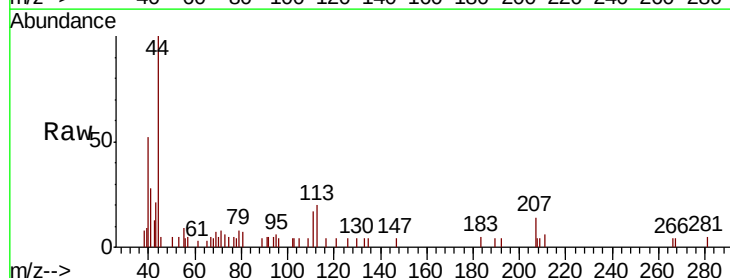
Tgt Ion:113 Resp: 1872

Ion Ratio Lower Upper

113 100

111 114.3 81.1 121.7

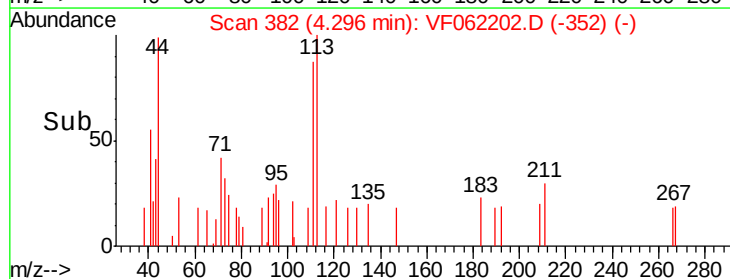
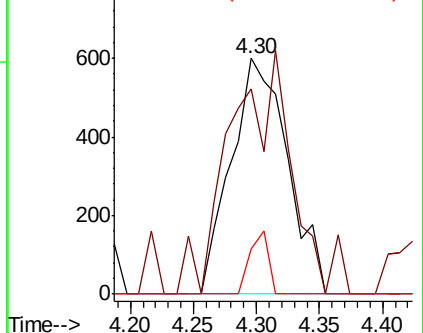
192 8.8 14.7 22.1#

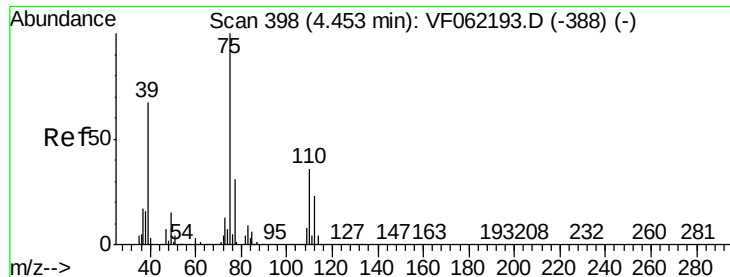


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 1.433 ug/l

RT: 4.51 min Scan# 404

Delta R.T. 0.06 min

Lab File: VF062202.D

Acq: 18 Apr 2019 13:49

Instrument :

MSVOA_F

ClientSampled :

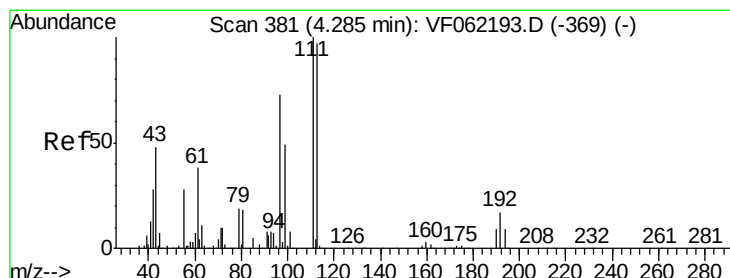
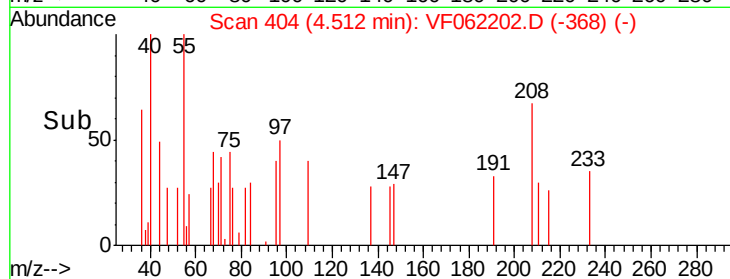
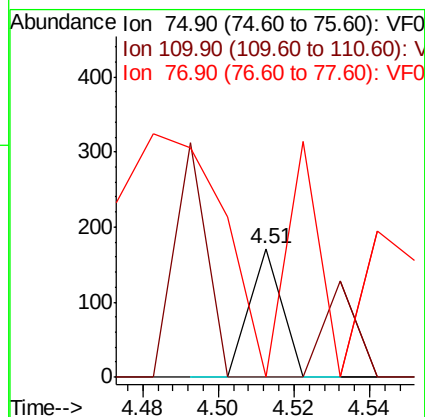
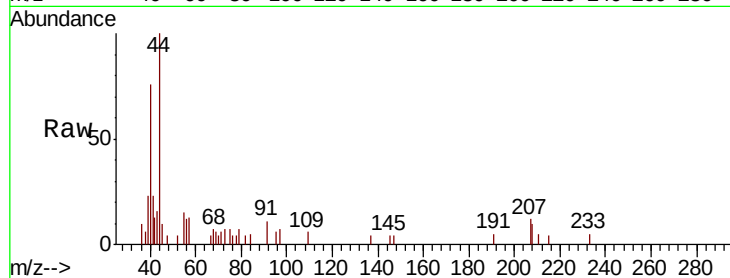
Tot Ion: 75 Resp: 101

Ion Ratio Lower Upper

75 100

110 75.2 18.4 55.2#

77 184.2 25.4 38.2#



#37

Ethyl Acetate

Concen: 29.955 ug/l

RT: 4.32 min Scan# 384

Delta R.T. 0.03 min

Lab File: VF062202.D

Acq: 18 Apr 2019 13:49

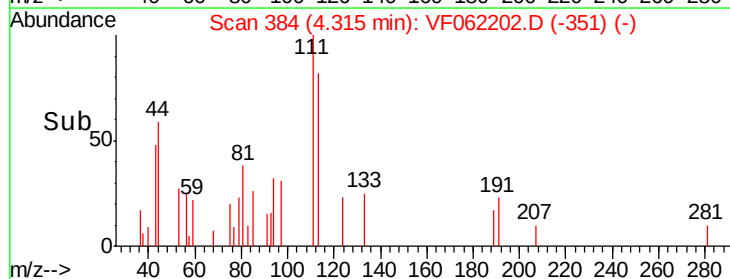
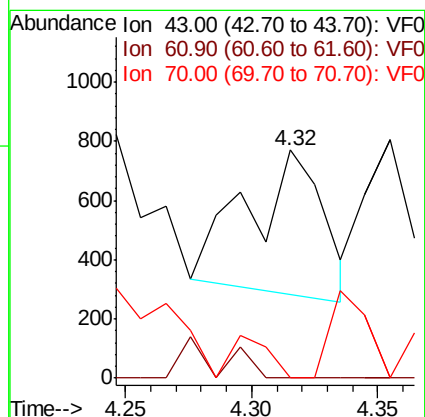
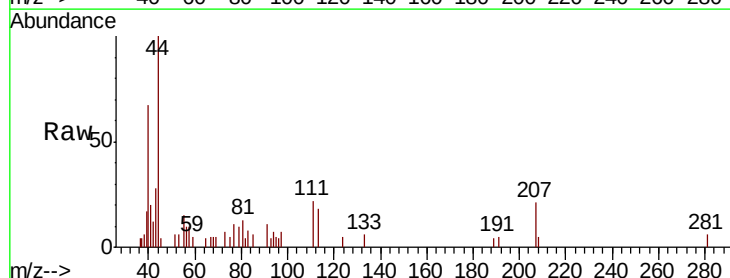
Tgt Ion: 43 Resp: 996

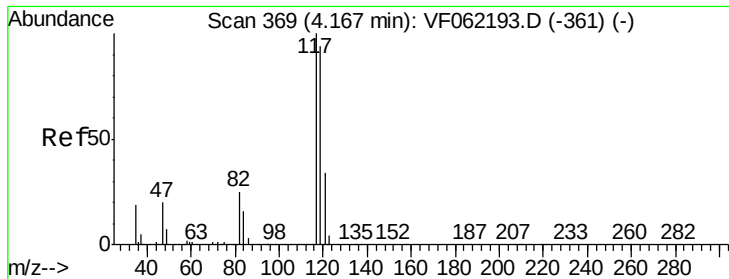
Ion Ratio Lower Upper

43 100

61 0.0 0.0 0.0

70 14.9 7.8 11.6#





#38

Carbon Tetrachloride

Concen: 2.036 ug/l

RT: 4.16 min Scan# 368

Delta R.T. -0.01 min

Lab File: VF062202.D

Acq: 18 Apr 2019 13:49

Instrument :

MSVOA_F

ClientSampleId :

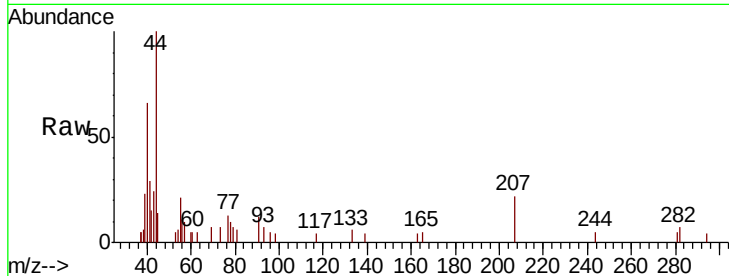
Tot Ion:117 Resp: 127

Ion Ratio Lower Upper

117 100

119 0.0 75.0 112.4#

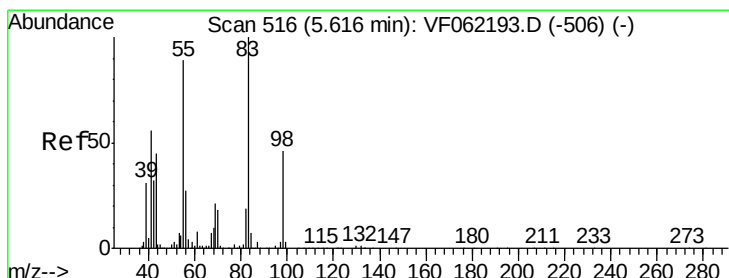
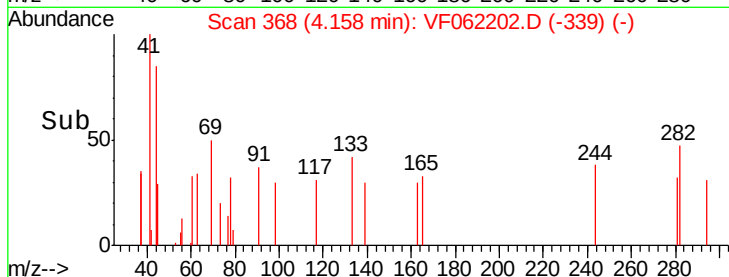
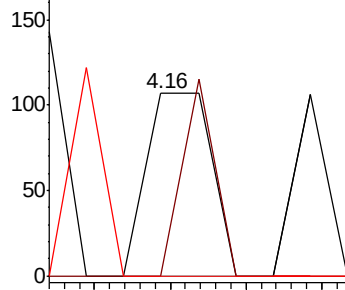
121 0.0 26.9 40.3#



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

Methylcyclohexane

Concen: 3.366 ug/l

RT: 5.66 min Scan# 520

Delta R.T. 0.04 min

Lab File: VF062202.D

Acq: 18 Apr 2019 13:49

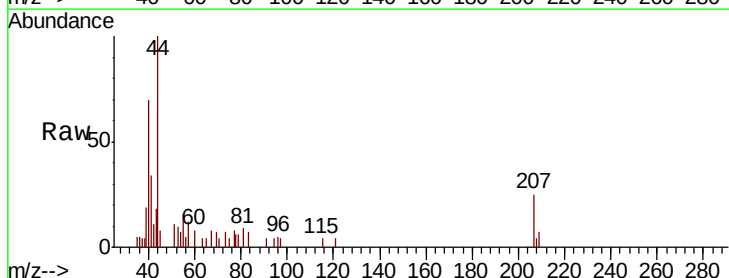
Tgt Ion: 83 Resp: 284

Ion Ratio Lower Upper

83 100

55 21.0 71.0 106.6#

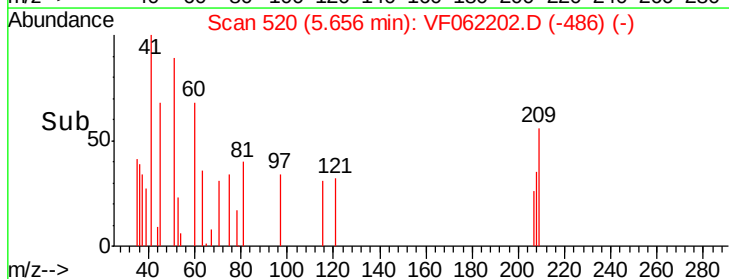
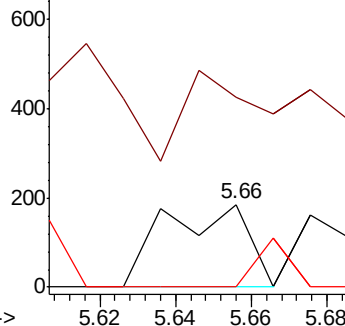
98 0.0 36.7 55.1#

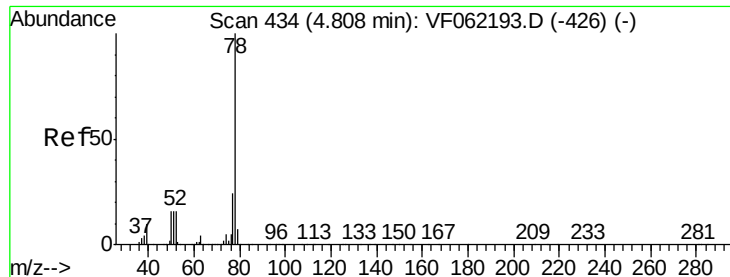


Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#40

Benzene

Concen: 2.251 ug/l

RT: 4.83 min Scan# 436

Delta R.T. 0.02 min

Lab File: VF062202.D

Acq: 18 Apr 2019 13:49

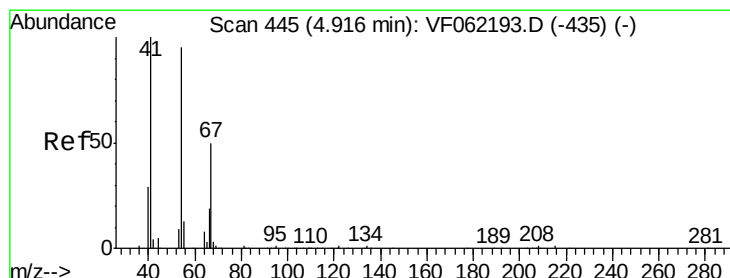
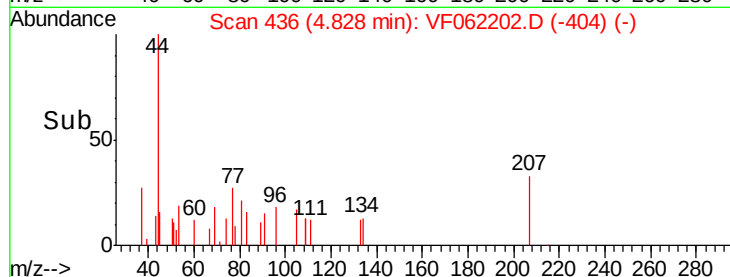
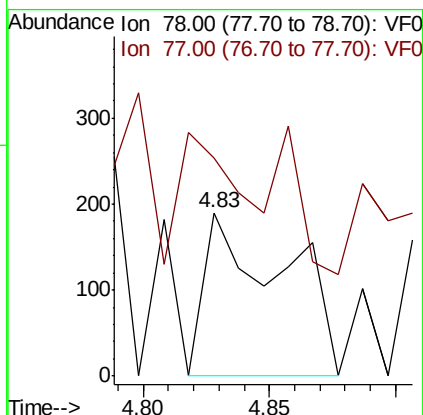
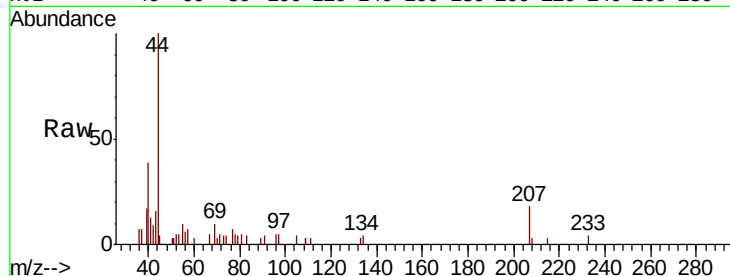
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 78 Resp: 416

Ion Ratio Lower Upper

78 100

77 71.1 18.9 28.3#



#41

Methacrylonitrile

Concen: 13.139 ug/l

RT: 4.92 min Scan# 445

Delta R.T. 0.00 min

Lab File: VF062202.D

Acq: 18 Apr 2019 13:49

Tgt Ion: 41 Resp: 252

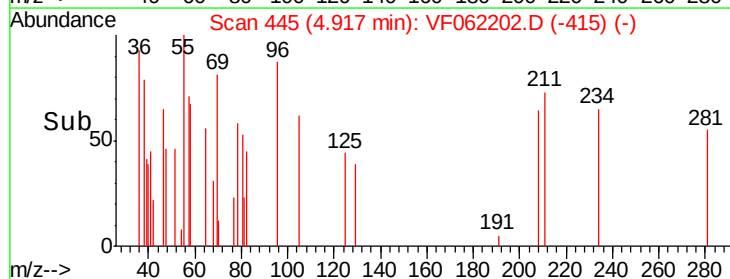
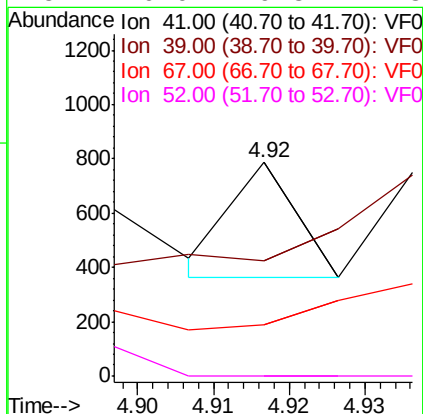
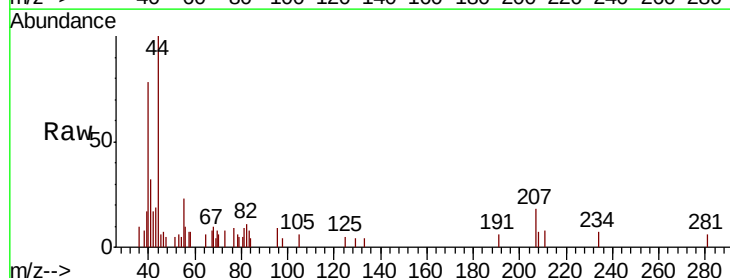
Ion Ratio Lower Upper

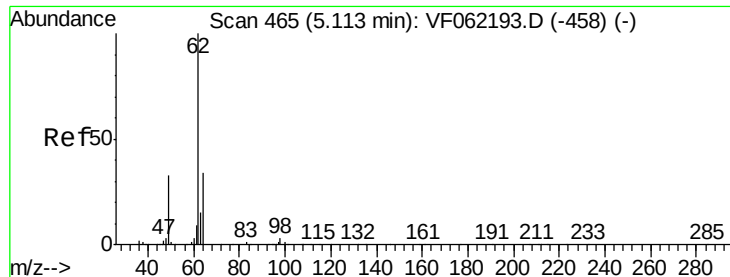
41 100

39 0.0 44.7 67.1#

67 0.0 39.1 58.7#

52 0.0 49.8 74.8#





#42

1,2-Dichloroethane

Concen: 1.433 ug/l

RT: 5.25 min Scan# 479

Delta R.T. 0.14 min

Lab File: VF062202.D

Acq: 18 Apr 2019 13:49

Instrument :

MSVOA_F

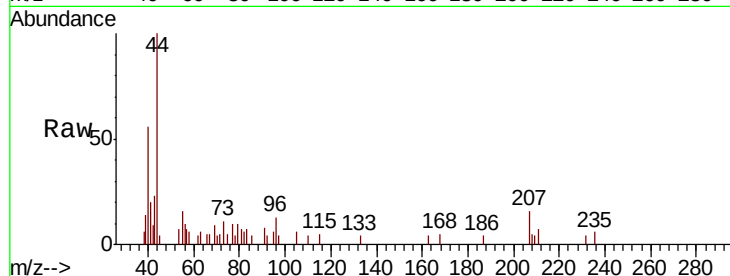
ClientSampled :

Tot Ion: 62 Resp: 70

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.0



Abundance Ion 61.90 (61.60 to 62.60): VF0

Ion 97.90 (97.60 to 98.60): VF0

200

150

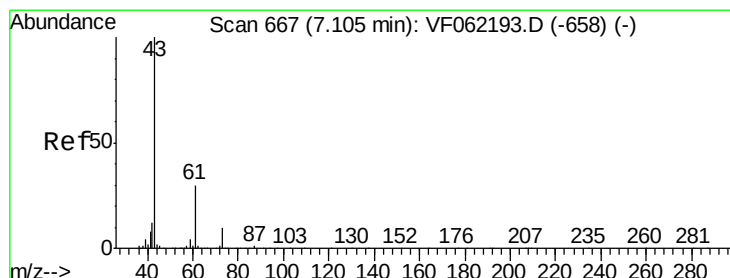
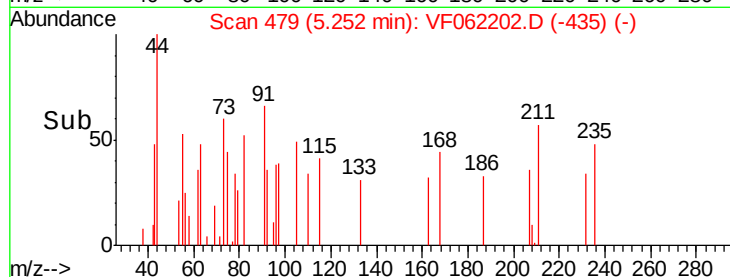
100

50

0

5.22 5.24 5.26 5.28

Time-->



#43

Isopropyl Acetate

Concen: 37.803 ug/l

RT: 7.11 min Scan# 668

Delta R.T. 0.01 min

Lab File: VF062202.D

Acq: 18 Apr 2019 13:49

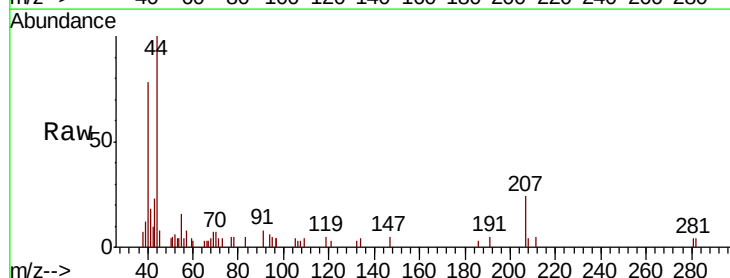
Tgt Ion: 43 Resp: 1322

Ion Ratio Lower Upper

43 100

61 7.1 24.4 36.6#

87 0.0 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

1000

800

600

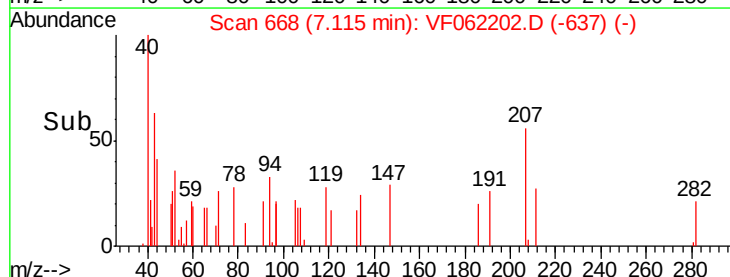
400

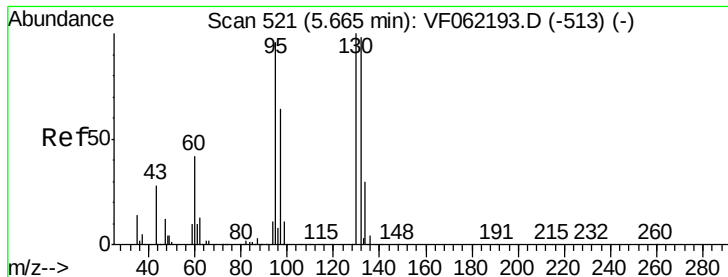
200

0

7.10 7.15

Time-->





#44

Trichloroethene

Concen: 1.742 ug/l

RT: 5.84 min Scan# 539

Delta R.T. 0.18 min

Lab File: VF062202.D

Acq: 18 Apr 2019 13:49

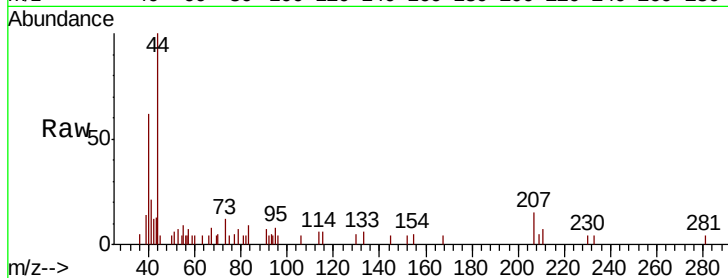
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:130 Resp: 87

Ion Ratio Lower Upper

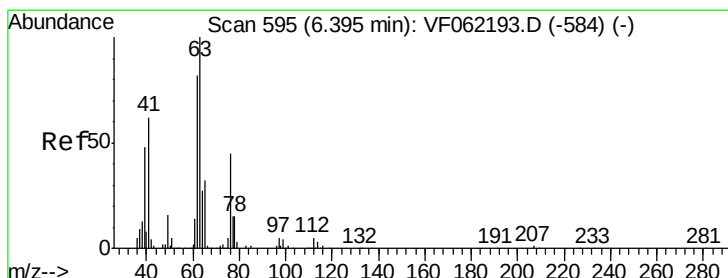
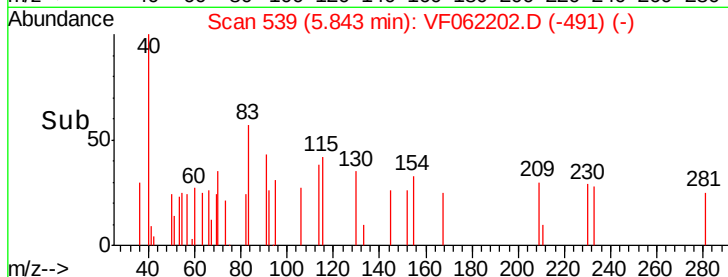
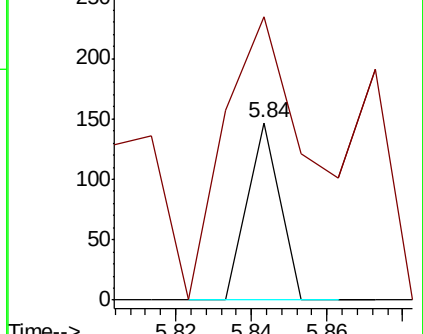
130 100

95 159.2 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: 5.134 ug/l

RT: 6.42 min Scan# 598

Delta R.T. 0.03 min

Lab File: VF062202.D

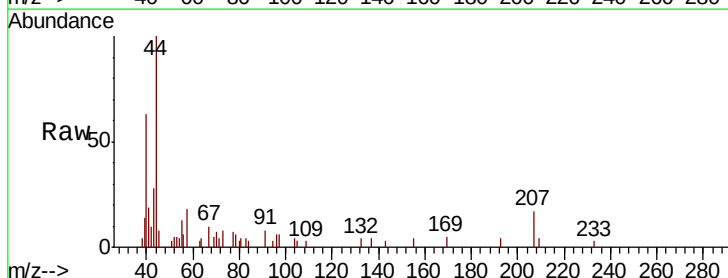
Acq: 18 Apr 2019 13:49

Tgt Ion: 63 Resp: 209

Ion Ratio Lower Upper

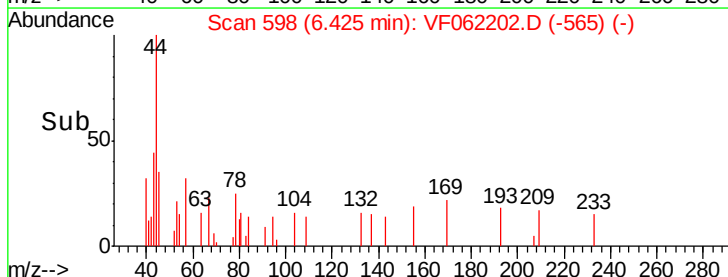
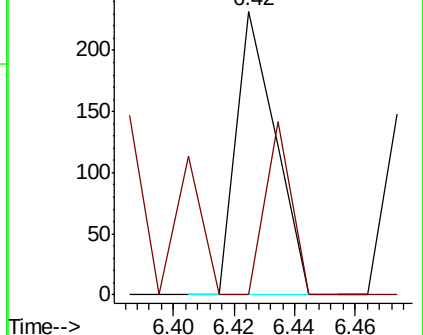
63 100

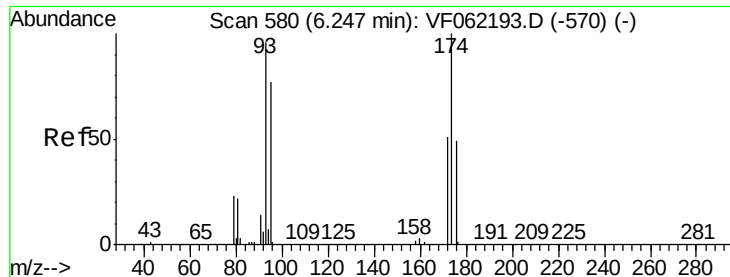
65 0.0 25.9 38.9#



Abundance Ion 62.90 (62.60 to 63.60): VF0

Ion 64.90 (64.60 to 65.60): VF0





#46

Dibromomethane

Concen: 7.347 ug/l

RT: 6.24 min Scan# 579

Delta R.T. -0.01 min

Lab File: VF062202.D

Acq: 18 Apr 2019 13:49

Instrument :

MSVOA_F

ClientSampled :

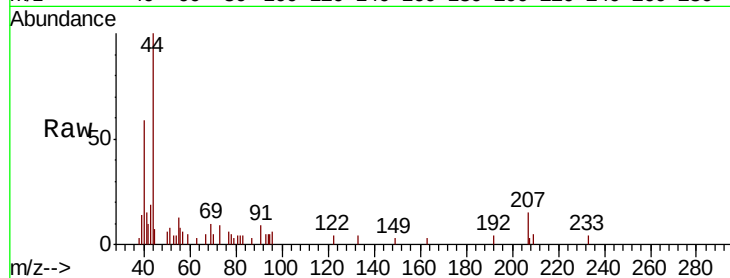
Tot Ion: 93 Resp: 199

Ion Ratio Lower Upper

93 100

95 157.3 65.1 97.7#

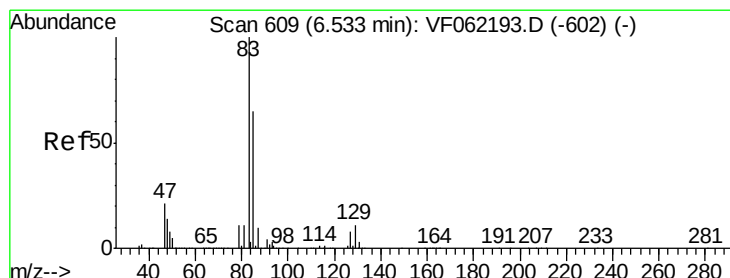
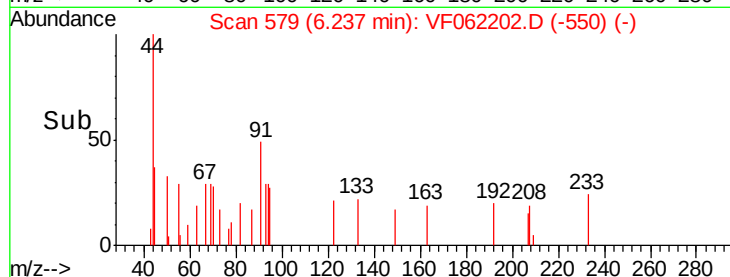
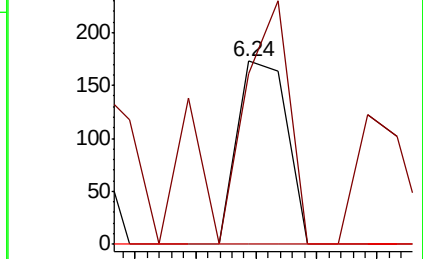
174 0.0 81.8 122.6#



Abundance Ion 92.80 (92.50 to 93.50): VF0

Ion 94.80 (94.50 to 95.50): VF0

Ion 173.70 (173.40 to 174.40): V



#47

Bromodichloromethane

Concen: 3.943 ug/l

RT: 6.54 min Scan# 610

Delta R.T. 0.01 min

Lab File: VF062202.D

Acq: 18 Apr 2019 13:49

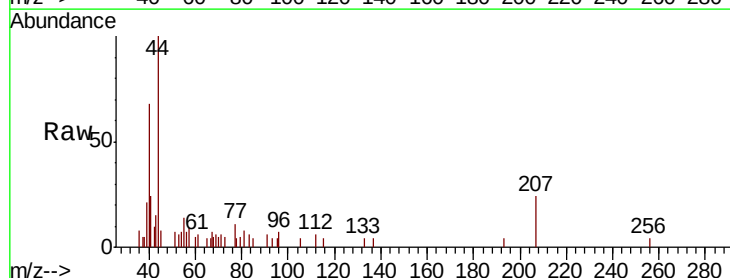
Tgt Ion: 83 Resp: 241

Ion Ratio Lower Upper

83 100

85 63.6 52.2 78.4

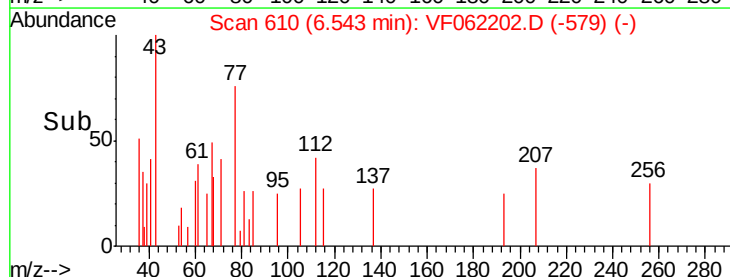
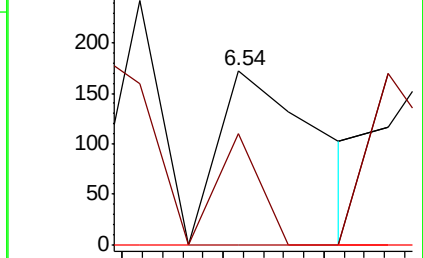
127 0.0 6.7 10.1#

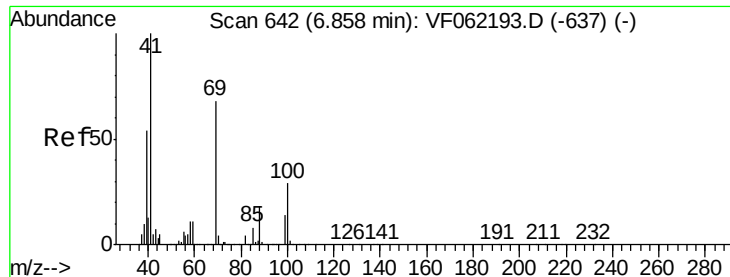


Abundance Ion 82.90 (82.60 to 83.60): VF0

Ion 84.90 (84.60 to 85.60): VF0

Ion 126.80 (126.50 to 127.50): V

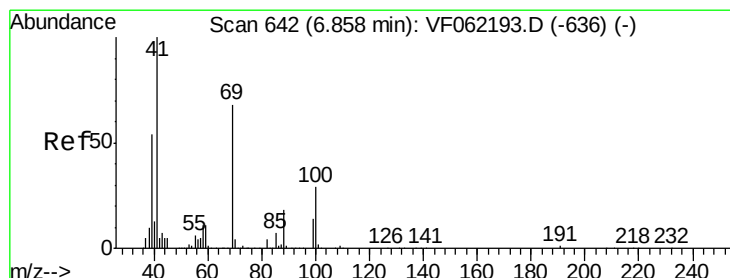
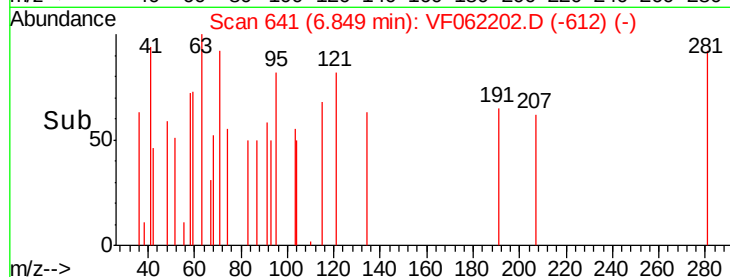
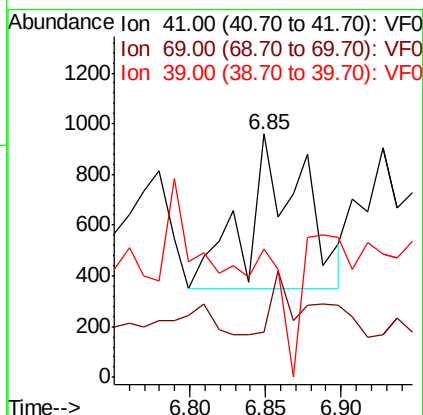
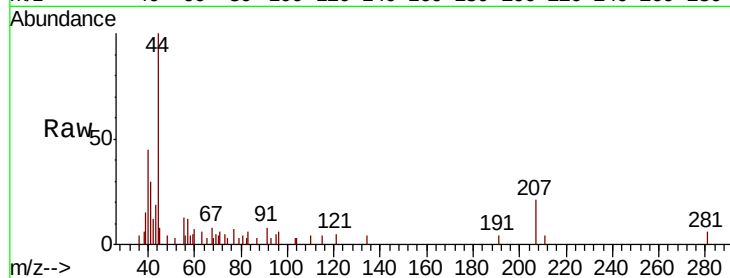




#48
Methyl methacrylate
Concen: 70.142 ug/l
RT: 6.85 min Scan# 641
Delta R.T. -0.01 min
Lab File: VF062202.D
Acq: 18 Apr 2019 13:49

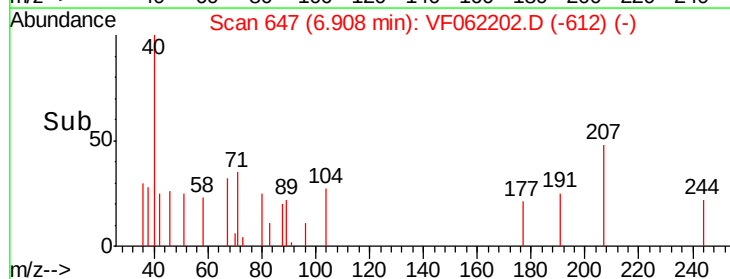
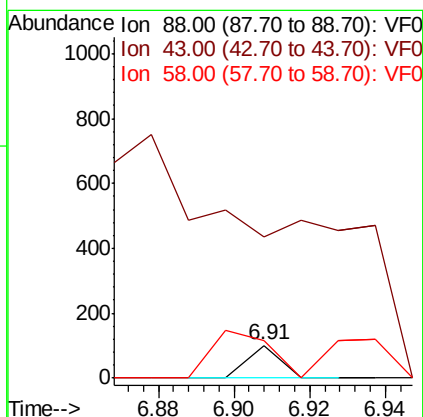
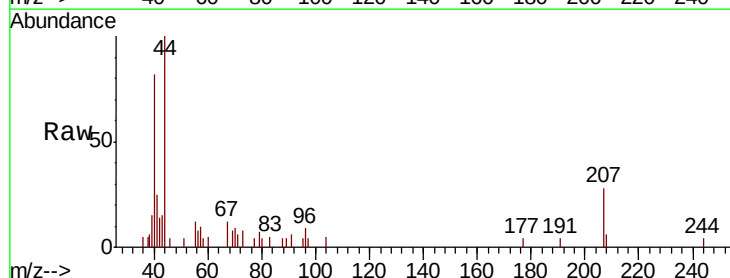
Instrument :
MSVOA_F
ClientSampleId :

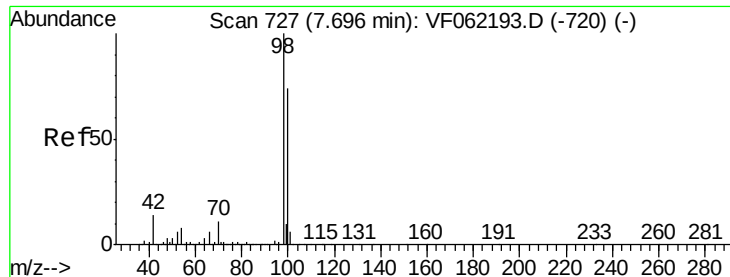
Tot Ion: 41 Resp: 1612
Ion Ratio Lower Upper
41 100
69 15.7 54.9 82.3#
39 0.0 43.6 65.4#



#49
1,4-Dioxane
Concen: 223.851 ug/l
RT: 6.91 min Scan# 647
Delta R.T. 0.05 min
Lab File: VF062202.D
Acq: 18 Apr 2019 13:49

Tgt Ion: 88 Resp: 59
Ion Ratio Lower Upper
88 100
43 0.0 36.9 55.3#
58 261.0 56.8 85.2#

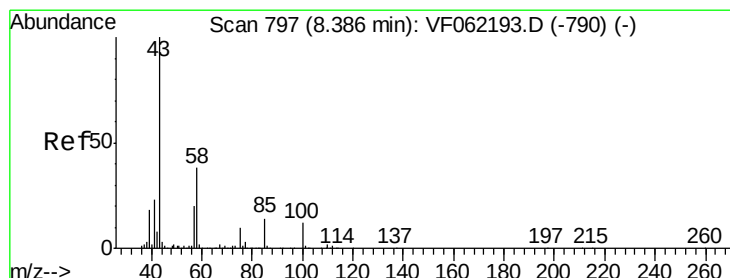
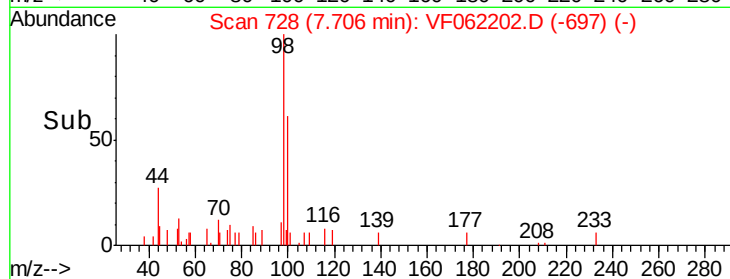
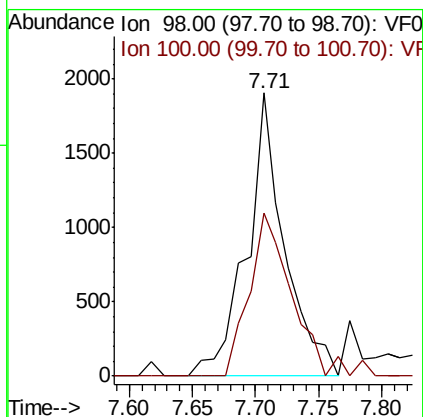
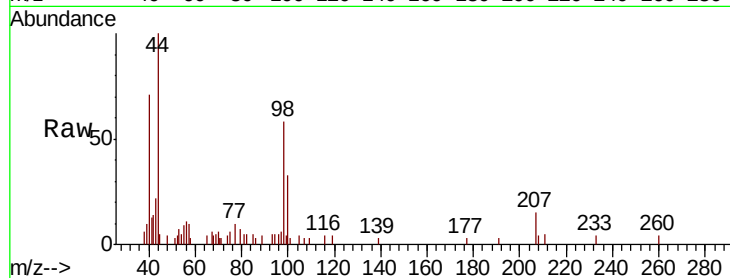




#50
Toluene-d8
Concen: 30.500 ug/l
RT: 7.71 min Scan# 728
Delta R.T. 0.01 min
Lab File: VF062202.D
Acq: 18 Apr 2019 13:49

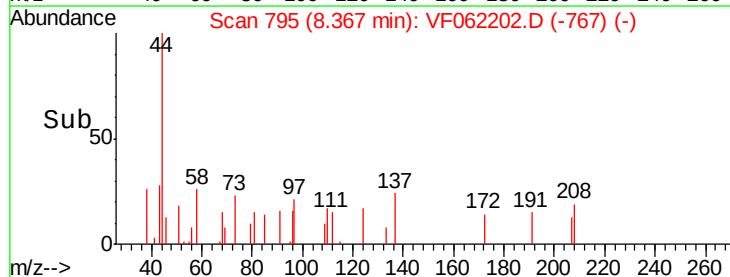
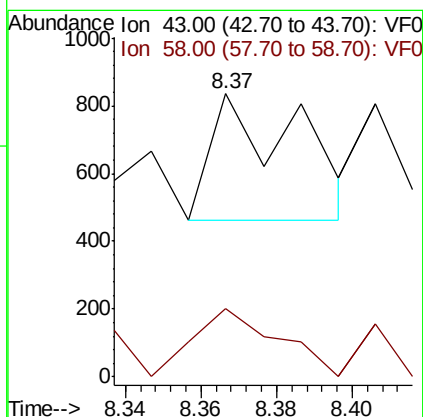
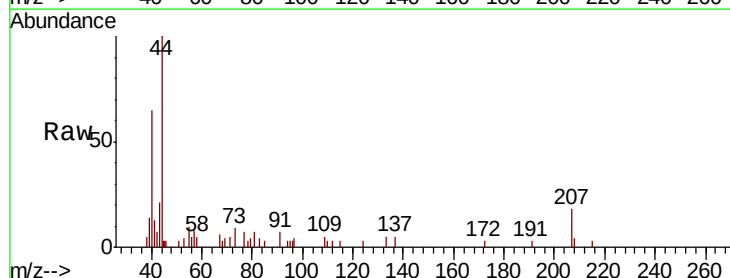
Instrument :
MSVOA_F
ClientSampled :

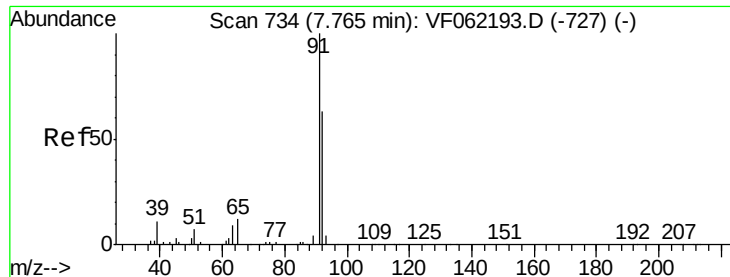
Tot Ion: 98 Resp: 3969
Ion Ratio Lower Upper
98 100
100 65.9 56.2 84.2



#51
4-Methyl-2-Pentanone
Concen: 22.645 ug/l
RT: 8.37 min Scan# 795
Delta R.T. -0.02 min
Lab File: VF062202.D
Acq: 18 Apr 2019 13:49

Tgt Ion: 43 Resp: 589
Ion Ratio Lower Upper
43 100
58 53.0 29.3 43.9#





#52

Toluene

Concen: 2.279 ug/l

RT: 7.78 min Scan# 735

Delta R.T. 0.01 min

Lab File: VF062202.D

Acq: 18 Apr 2019 13:49

Instrument :

MSVOA_F

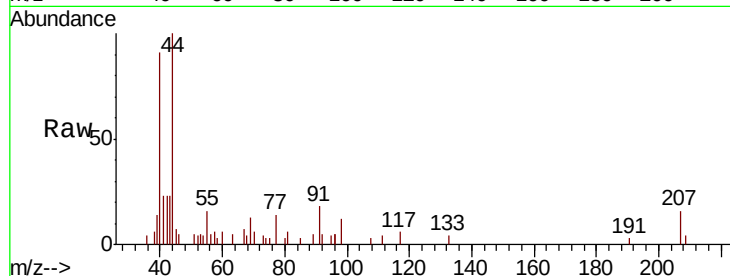
ClientSampleId :

Tot Ion: 92 Resp: 222

Ion Ratio Lower Upper

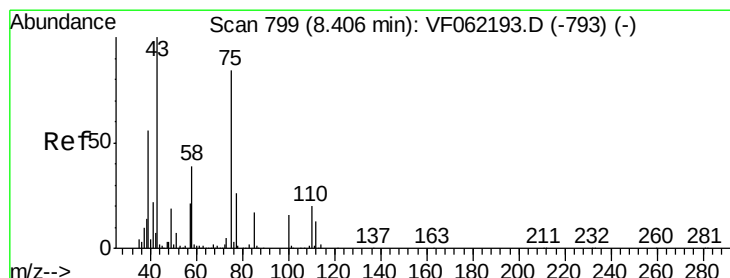
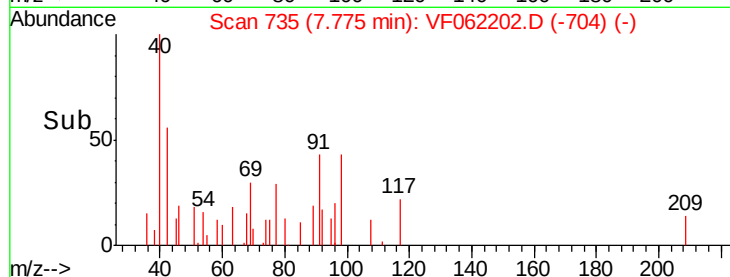
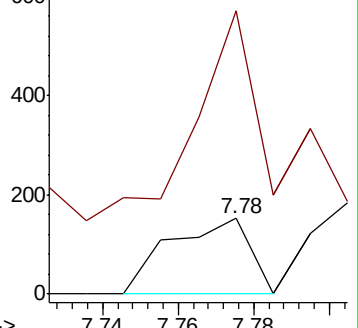
92 100

91 319.8 130.1 195.1#



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: 2.418 ug/l

RT: 8.44 min Scan# 802

Delta R.T. 0.03 min

Lab File: VF062202.D

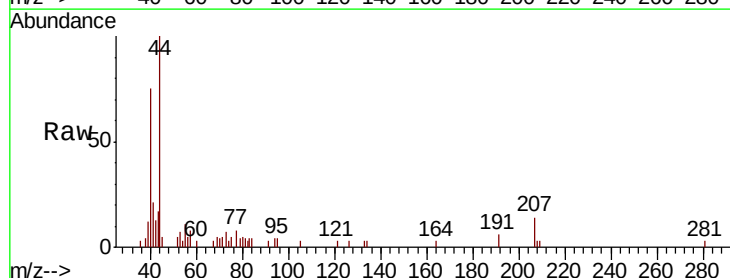
Acq: 18 Apr 2019 13:49

Tgt Ion: 75 Resp: 111

Ion Ratio Lower Upper

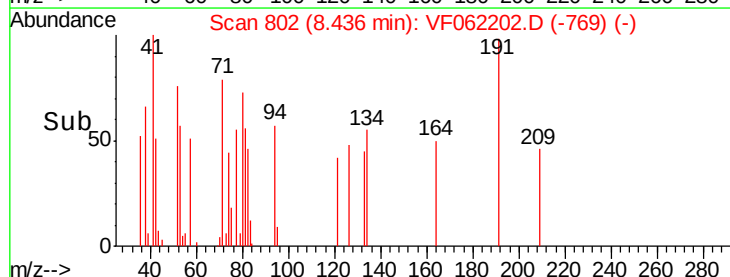
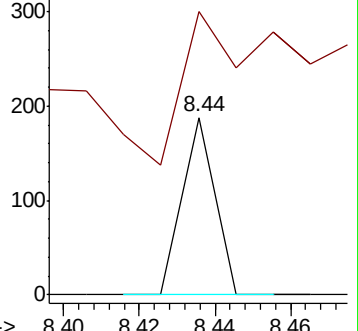
75 100

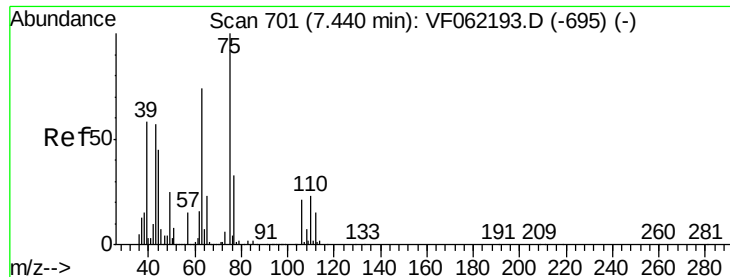
77 69.1 24.6 36.8#



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 76.90 (76.60 to 77.60): VF0





#54

cis-1,3-Dichloropropene

Concen: 1.063 ug/l

RT: 7.41 min Scan# 698

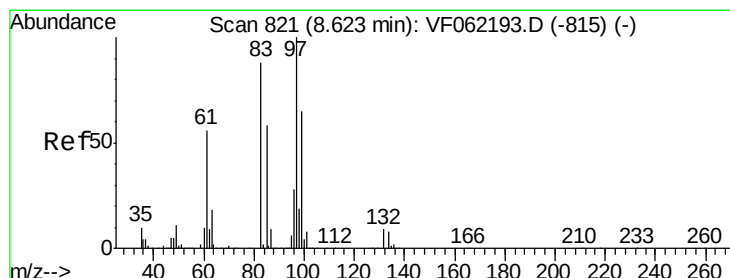
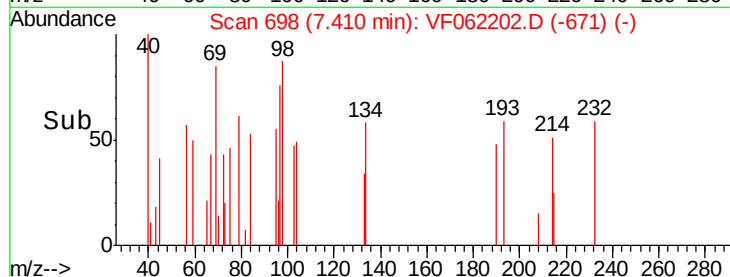
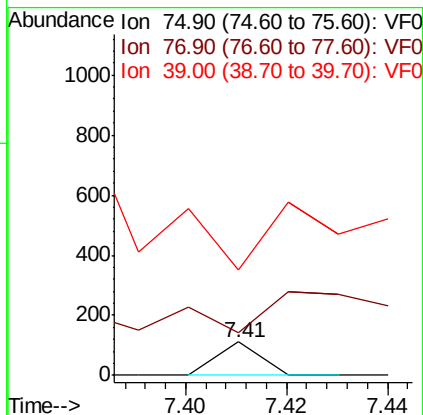
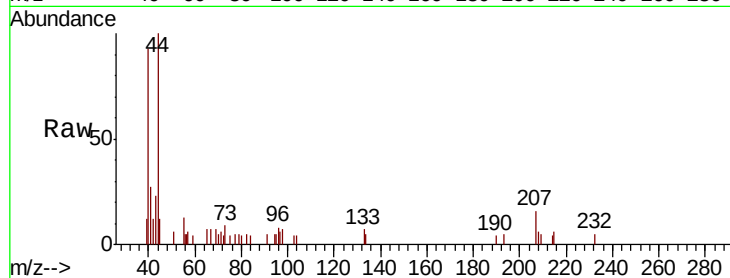
Delta R.T. -0.03 min

Lab File: VF062202.D

Acq: 18 Apr 2019 13:49

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:	75	Resp:	66
Ion	Ratio	Lower	Upper
75	100		
77	0.0	26.4	39.6#
39	0.0	46.7	70.1#



#55

1,1,2-Trichloroethane

Concen: 6.376 ug/l

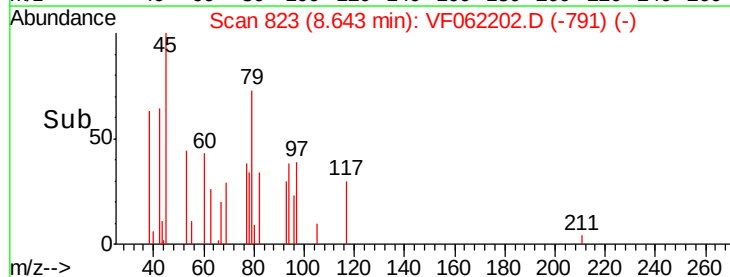
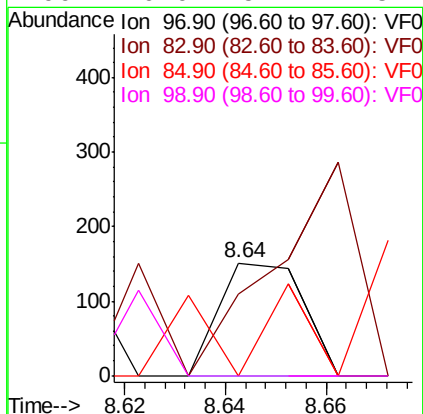
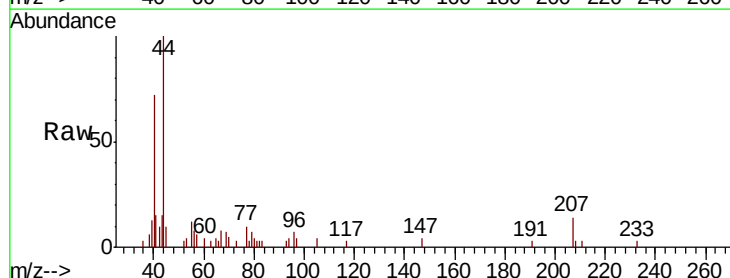
RT: 8.64 min Scan# 823

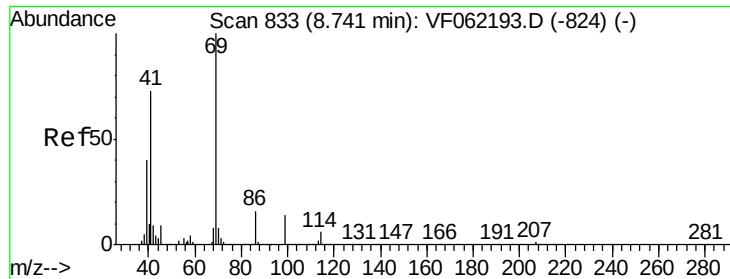
Delta R.T. 0.02 min

Lab File: VF062202.D

Acq: 18 Apr 2019 13:49

Tgt Ion:	97	Resp:	174
Ion	Ratio	Lower	Upper
97	100		
83	72.2	70.2	105.2
85	0.0	46.2	69.4#
99	0.0	52.2	78.4#





#56

Ethyl methacrylate

Concen: 24.622 ug/l

RT: 8.75 min Scan# 834

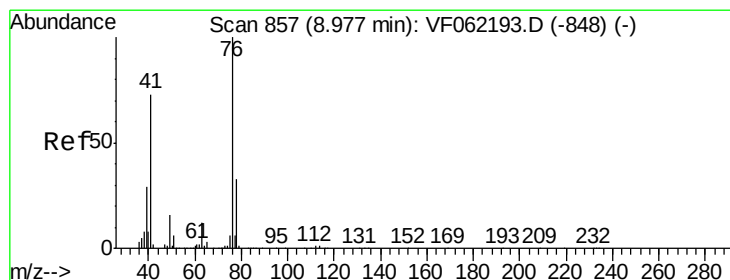
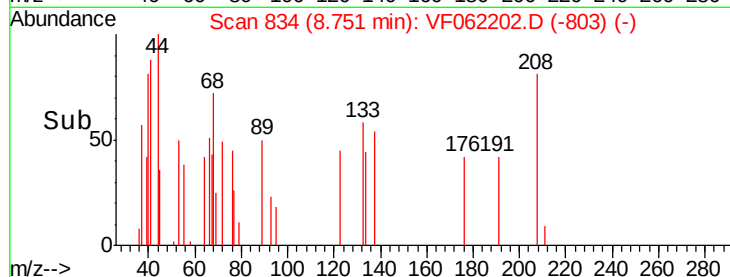
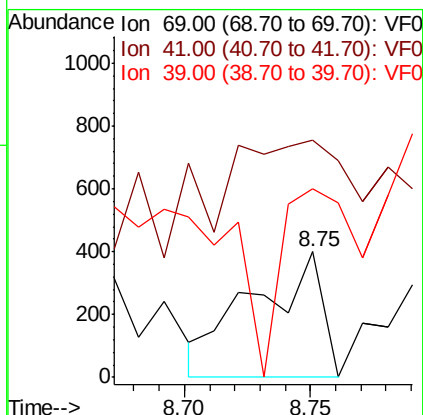
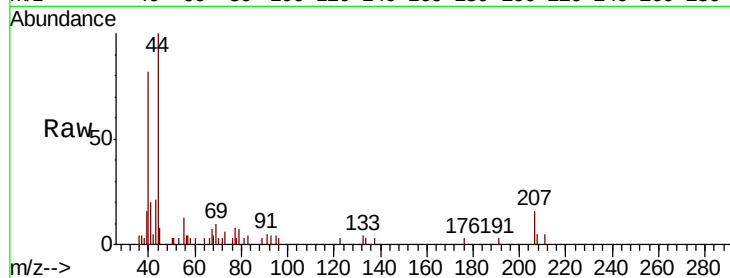
Delta R.T. 0.01 min

Lab File: VF062202.D

Acq: 18 Apr 2019 13:49

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:	69.00	Resp:	764
Ion	Ratio	Lower	Upper
69	100		
41	178.1	61.5	92.3#
39	161.8	33.3	49.9#



#57

1,3-Dichloropropane

Concen: 2.178 ug/l

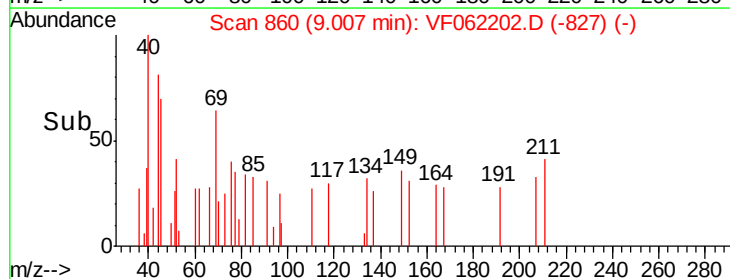
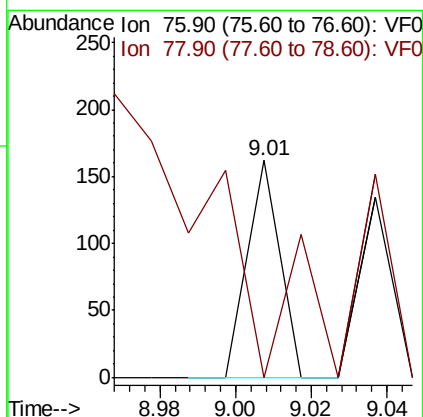
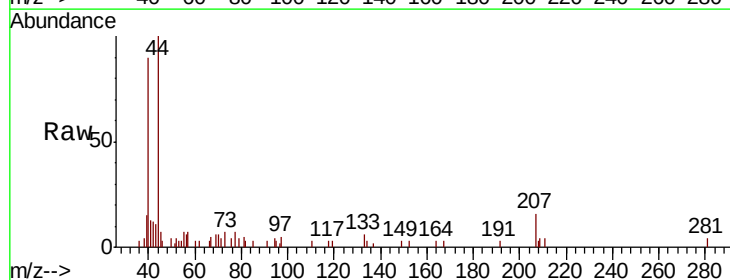
RT: 9.01 min Scan# 860

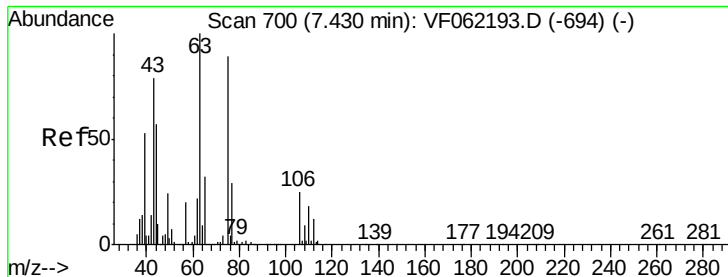
Delta R.T. 0.03 min

Lab File: VF062202.D

Acq: 18 Apr 2019 13:49

Tgt Ion:	76	Resp:	96
Ion	Ratio	Lower	Upper
76	100		
78	0.0	26.5	39.7#





#58

2-Chloroethyl Vinyl ether

Concen: 13.320 ug/l

RT: 7.52 min Scan# 709

Delta R.T. 0.09 min

Lab File: VF062202.D

Acq: 18 Apr 2019 13:49

Instrument :

MSVOA_F

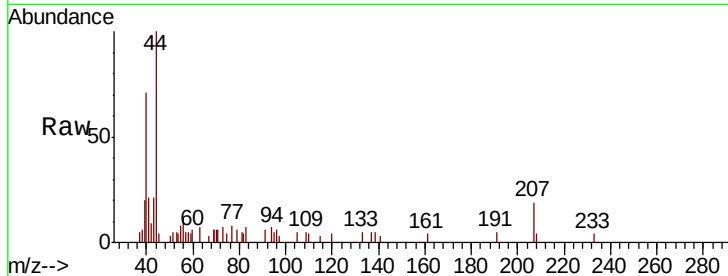
ClientSampled :

Tot Ion: 63 Resp: 120

Ion Ratio Lower Upper

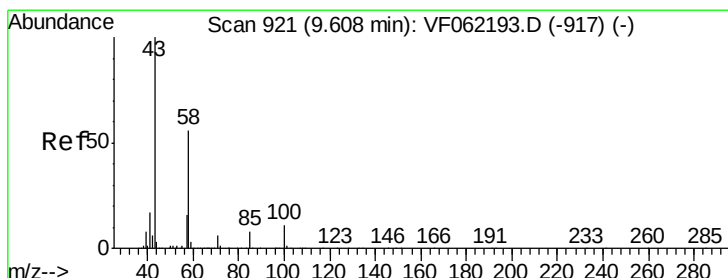
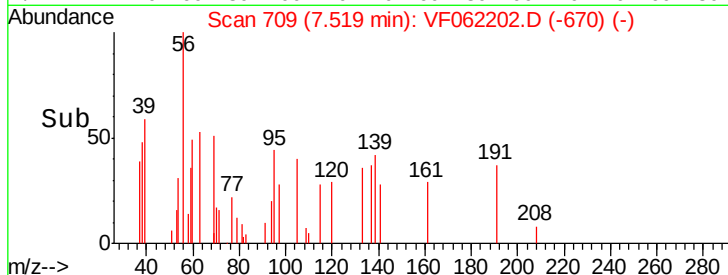
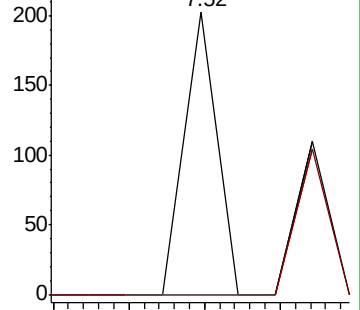
63 100

106 0.0 21.4 32.0#



Abundance Ion 62.90 (62.60 to 63.60): VF0

Ion 105.90 (105.60 to 106.60): V



#59

2-Hexanone

Concen: 38.279 ug/l

RT: 9.77 min Scan# 937

Delta R.T. 0.16 min

Lab File: VF062202.D

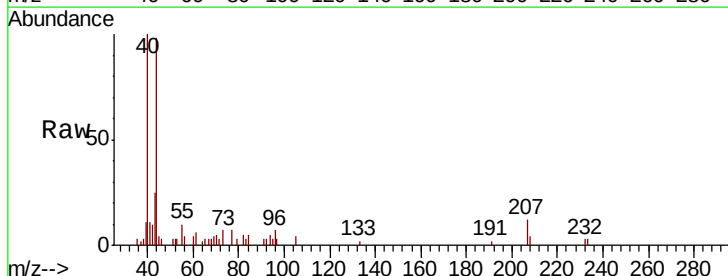
Acq: 18 Apr 2019 13:49

Tgt Ion: 43 Resp: 619

Ion Ratio Lower Upper

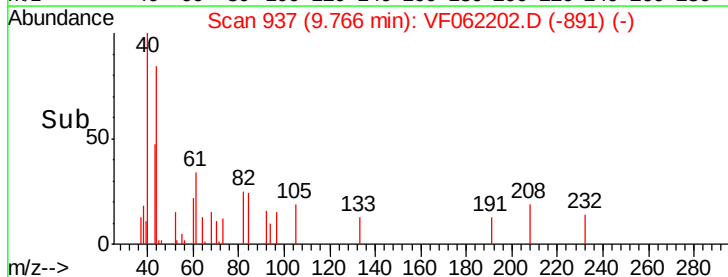
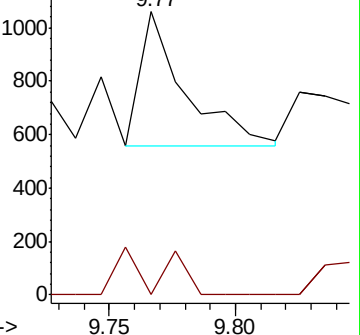
43 100

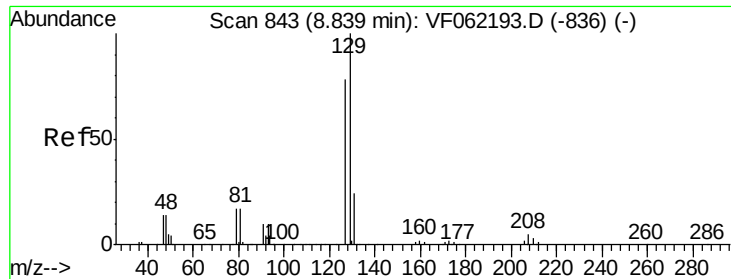
58 32.5 24.6 74.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#60

Dibromochloromethane

Concen: 1.454 ug/l

RT: 9.09 min Scan# 868

Delta R.T. 0.25 min

Lab File: VF062202.D

Acq: 18 Apr 2019 13:49

Instrument :

MSVOA_F

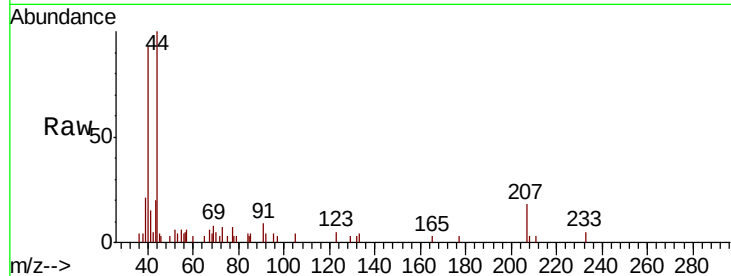
ClientSampleId :

Tot Ion:129 Resp: 59

Ion Ratio Lower Upper

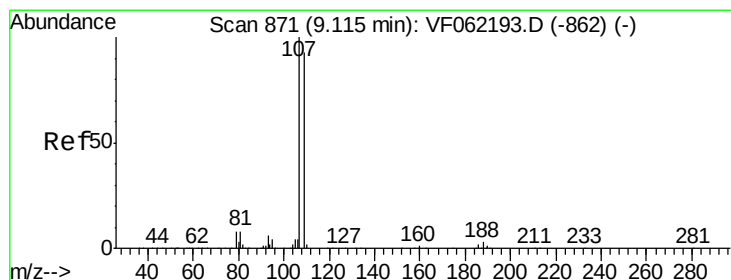
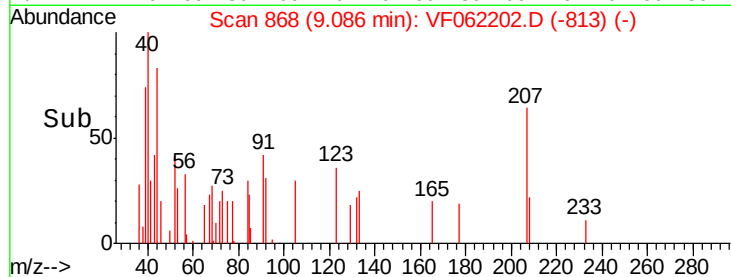
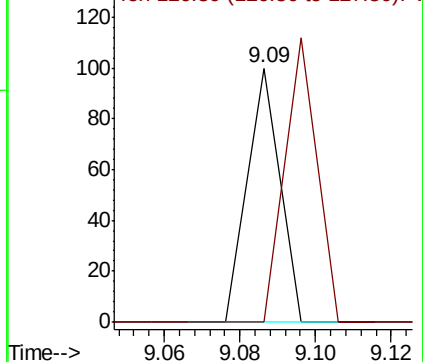
129 100

127 111.9 39.0 117.0



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 2.342 ug/l

RT: 9.20 min Scan# 880

Delta R.T. 0.09 min

Lab File: VF062202.D

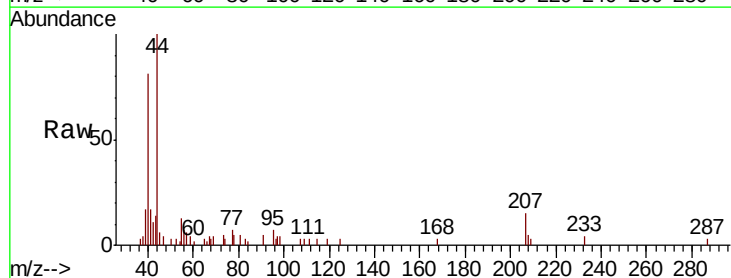
Acq: 18 Apr 2019 13:49

Tgt Ion:107 Resp: 72

Ion Ratio Lower Upper

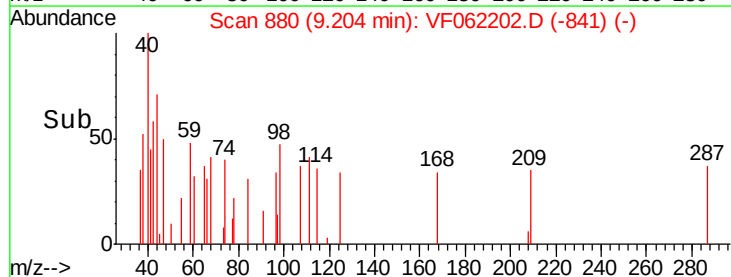
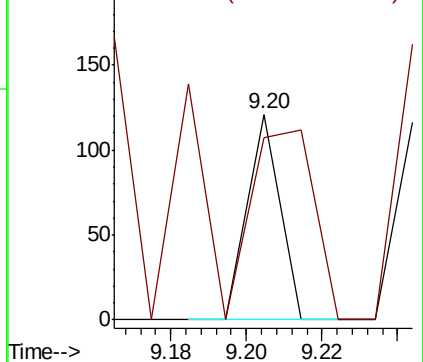
107 100

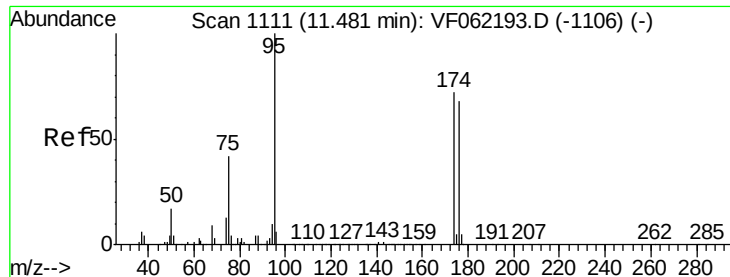
109 180.6 74.3 111.5#



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





#62

4-Bromofluorobenzene

Concen: 22.692 ug/l

RT: 11.52 min Scan# 1115

Delta R.T. 0.04 min

Lab File: VF062202.D

Acq: 18 Apr 2019 13:49

Instrument :

MSVOA_F

ClientSampled :

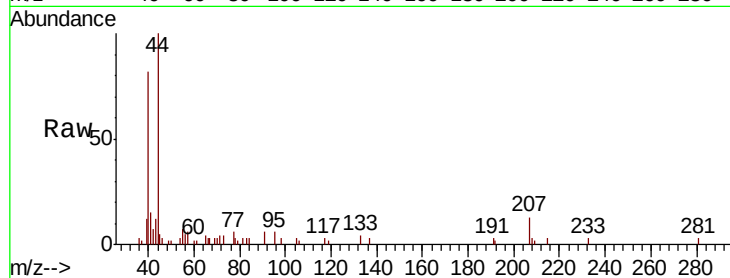
Tot Ion: 95 Resp: 1136

Ion Ratio Lower Upper

95 100

174 9.6 0.0 159.4

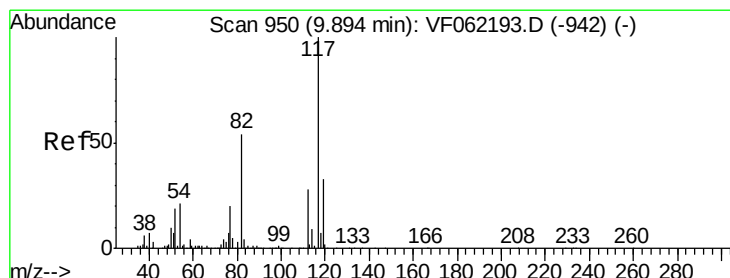
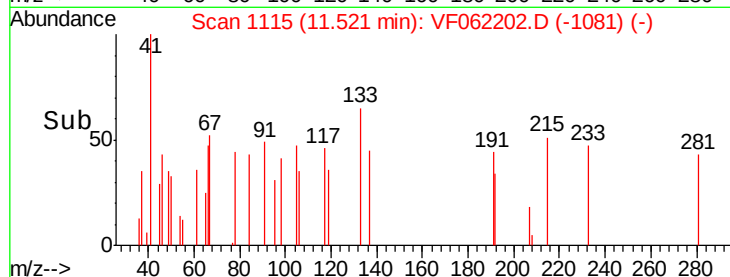
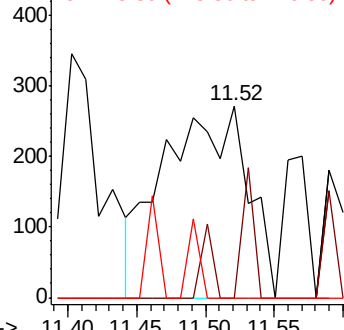
176 0.0 0.0 155.4



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: 9.91 min Scan# 952

Delta R.T. 0.02 min

Lab File: VF062202.D

Acq: 18 Apr 2019 13:49

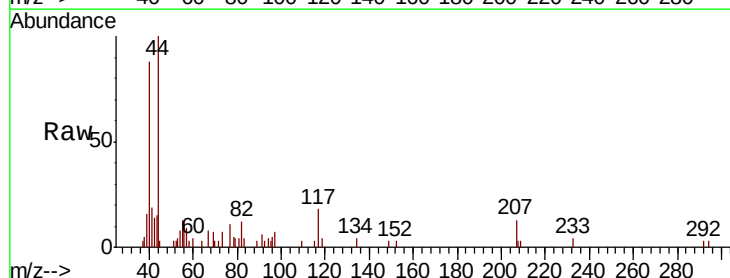
Tgt Ion: 117 Resp: 1964

Ion Ratio Lower Upper

117 100

82 45.4 43.2 64.8

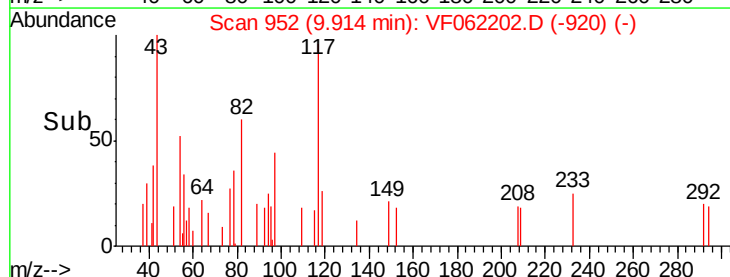
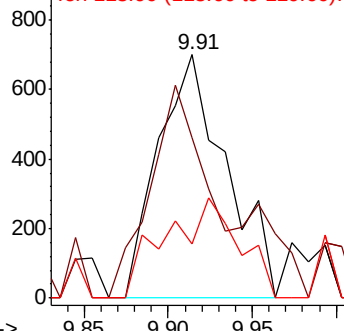
119 22.1 26.2 39.4#

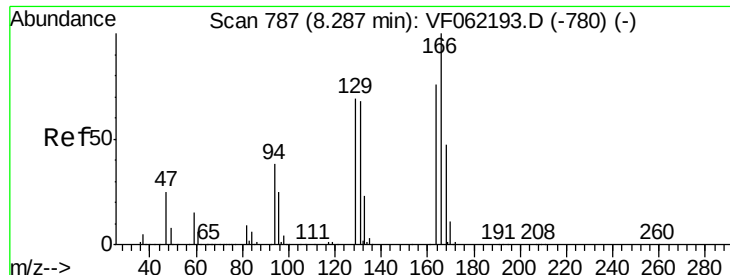


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 118.90 (118.60 to 119.60): V





#64

Tetrachloroethene

Concen: 4.005 ug/l

RT: 8.44 min Scan# 802

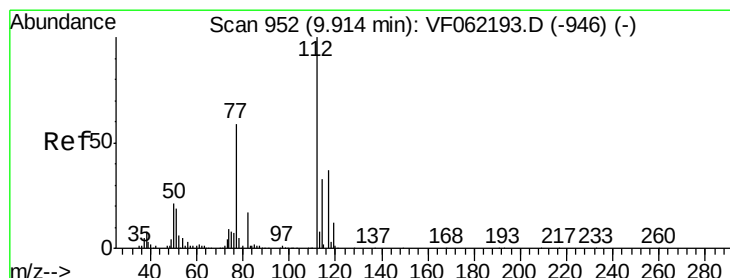
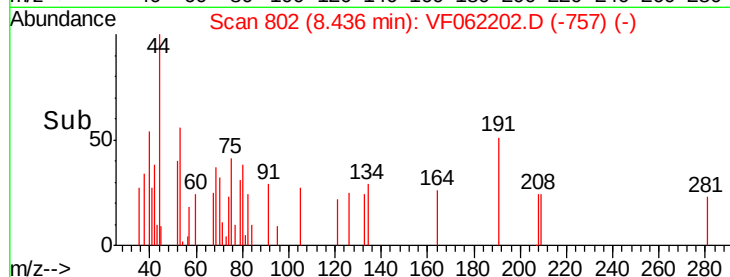
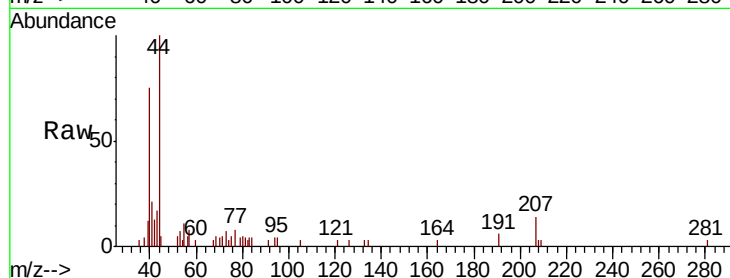
Delta R.T. 0.15 min

Lab File: VF062202.D

Acq: 18 Apr 2019 13:49

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:164	Resp:	71
Ion Ratio	Lower	Upper
164	100	
166	0.0	104.7 157.1#
129	0.0	72.6 109.0#
131	0.0	71.6 107.4#



#65

Chlorobenzene

Concen: 1.457 ug/l

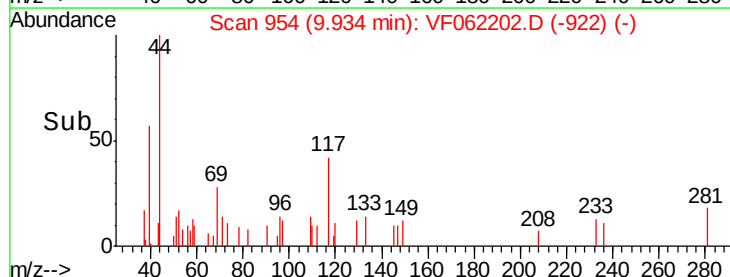
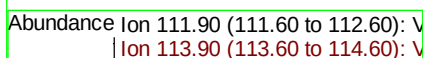
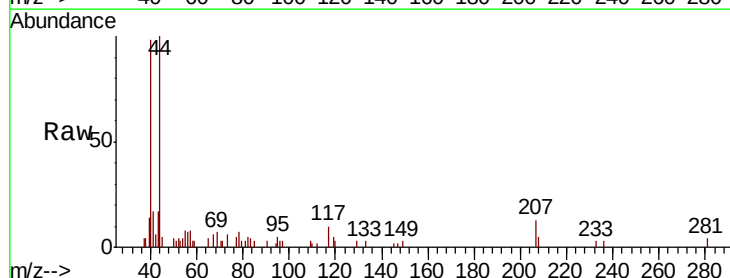
RT: 9.93 min Scan# 954

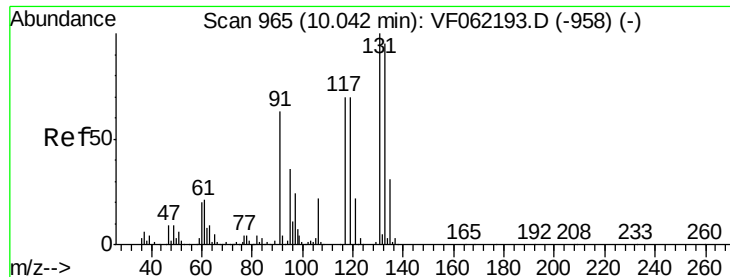
Delta R.T. 0.02 min

Lab File: VF062202.D

Acq: 18 Apr 2019 13:49

Tgt Ion:112	Resp:	61
Ion Ratio	Lower	Upper
112	100	
114	0.0	26.1 39.1#

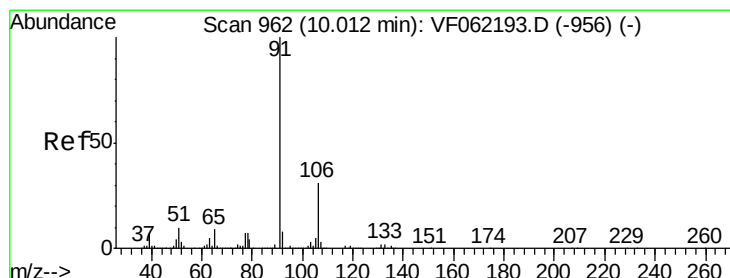
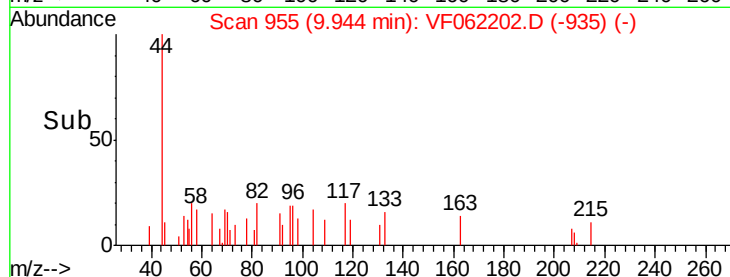
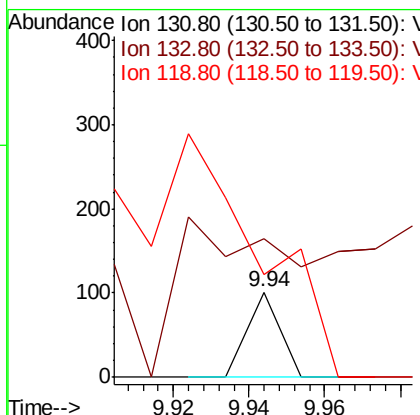
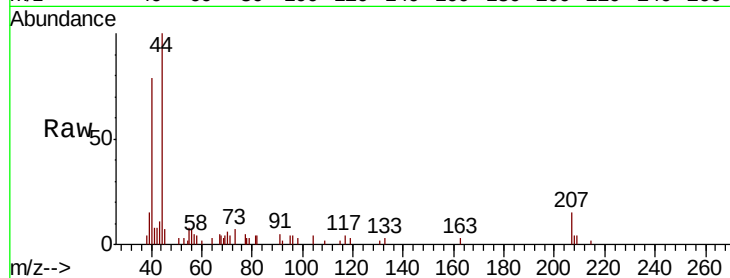




#66
 1,1,1,2-Tetrachloroethane
 Concen: 3.059 ug/l
 RT: 9.94 min Scan# 955
 Delta R.T. -0.10 min
 Lab File: VF062202.D
 Acq: 18 Apr 2019 13:49

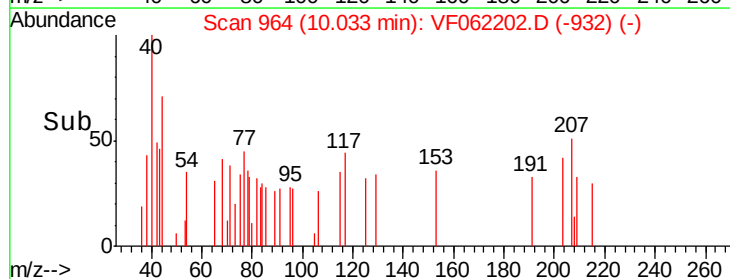
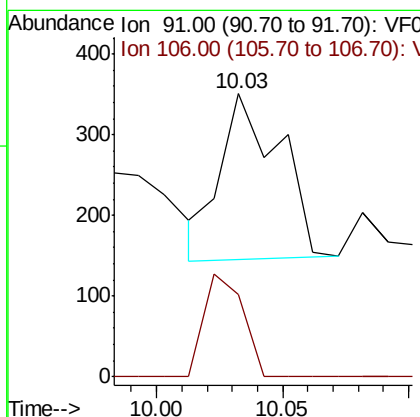
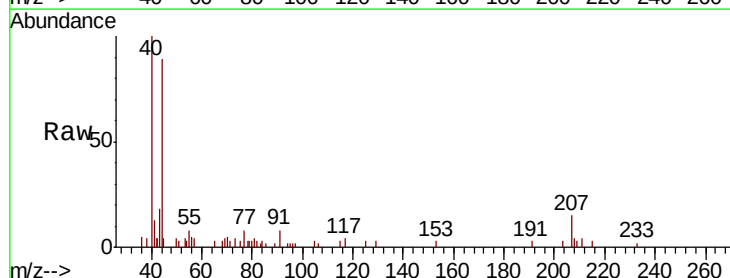
Instrument :
 MSVOA_F
 ClientSampleId :

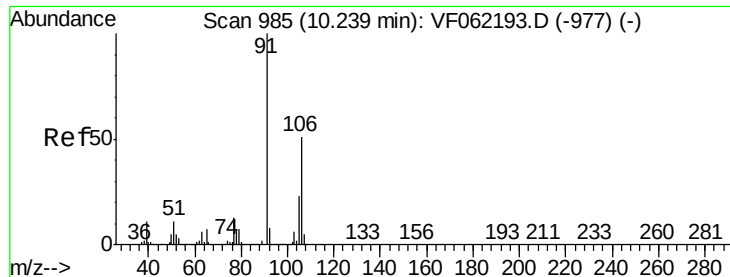
Tot Ion:131 Resp: 60
 Ion Ratio Lower Upper
 131 100
 133 620.0 47.7 143.1#
 119 1458.3 34.6 103.9#



#67
 Ethyl Benzene
 Concen: 4.425 ug/l
 RT: 10.03 min Scan# 964
 Delta R.T. 0.02 min
 Lab File: VF062202.D
 Acq: 18 Apr 2019 13:49

Tgt Ion: 91 Resp: 337
 Ion Ratio Lower Upper
 91 100
 106 50.7 24.9 37.3#

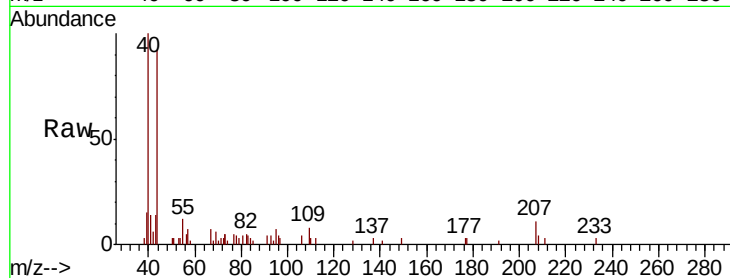




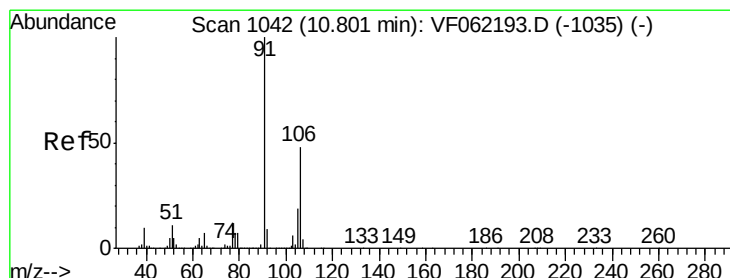
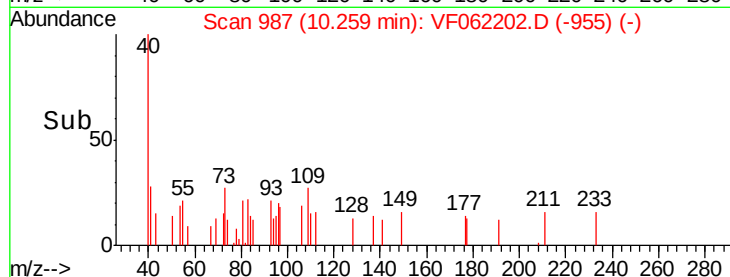
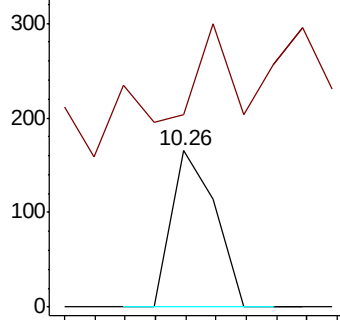
#68
m/p-Xylenes
Concen: 5.886 ug/l
RT: 10.26 min Scan# 987
Delta R.T. 0.02 min
Lab File: VF062202.D
Acq: 18 Apr 2019 13:49

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:106 Resp: 165
Ion Ratio Lower Upper
106 100
91 34.5 159.1 238.7#

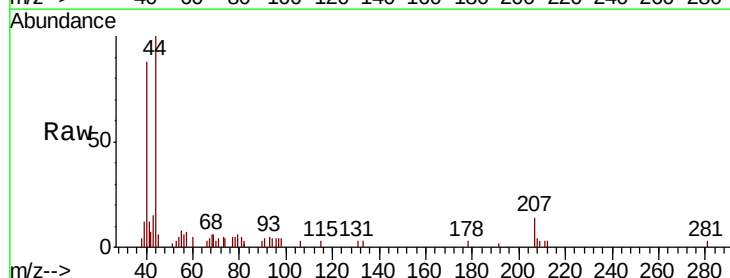


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VF0

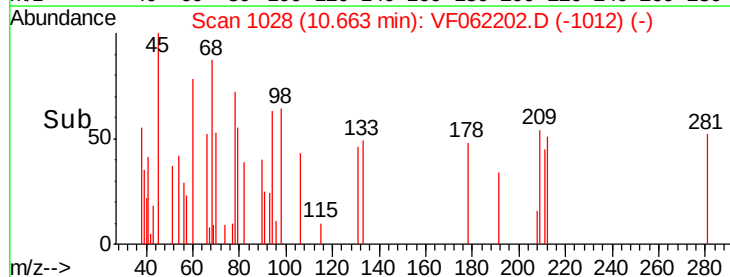
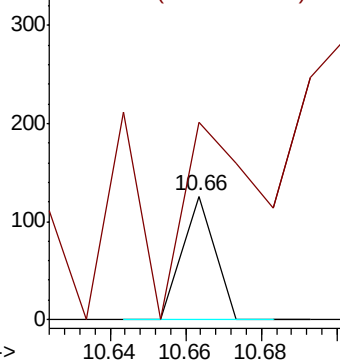


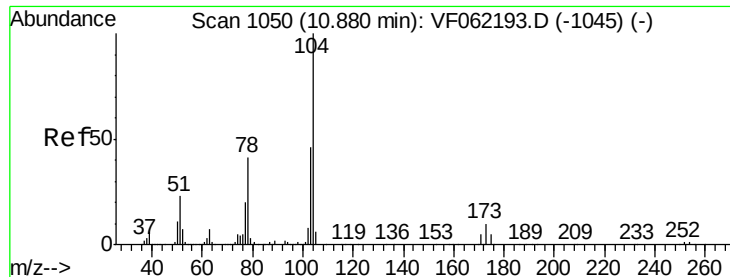
#69
o-Xylene
Concen: 2.410 ug/l
RT: 10.66 min Scan# 1028
Delta R.T. -0.14 min
Lab File: VF062202.D
Acq: 18 Apr 2019 13:49

Tgt Ion:106 Resp: 75
Ion Ratio Lower Upper
106 100
91 166.7 107.5 322.4



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VF0





#70

Stvrene

Concen: 1.616 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. 0.01 min

Lab File: VF062202.D

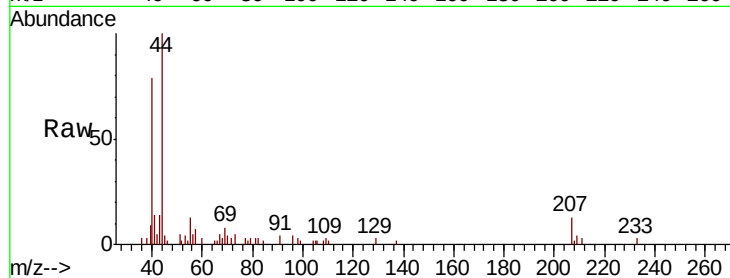
Acq: 18 Apr 2019 13:49

Instrument :

MSVOA_F

ClientSampled :

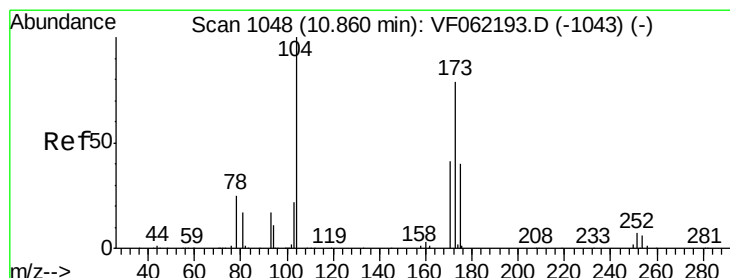
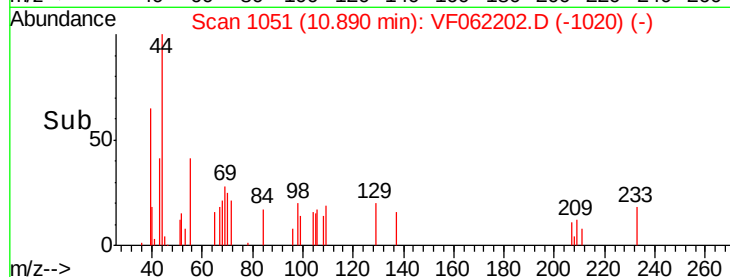
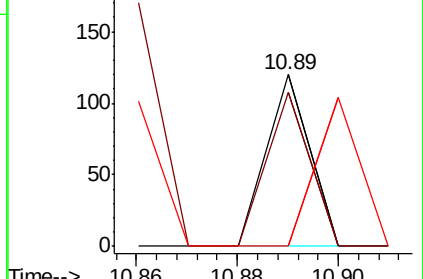
Tot Ion:	104	Resp:	71
Ion	Ratio	Lower	Upper
104	100		
78	90.1	34.5	51.7#
103	85.9	37.2	55.8#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VF0

Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 6.277 ug/l

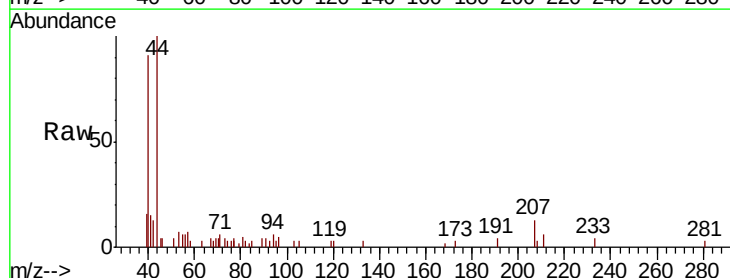
RT: 10.61 min Scan# 1023

Delta R.T. -0.25 min

Lab File: VF062202.D

Acq: 18 Apr 2019 13:49

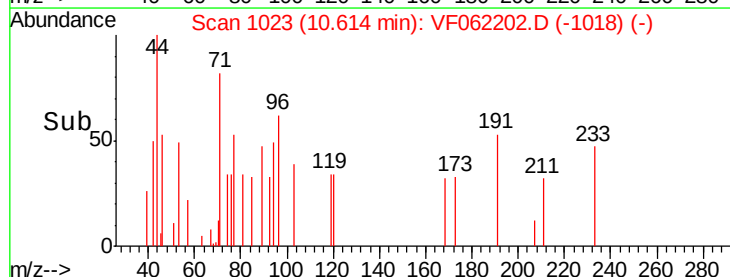
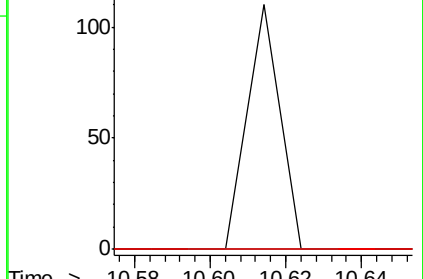
Tgt Ion:	173	Resp:	65
Ion	Ratio	Lower	Upper
173	100		
175	0.0	24.5	73.5#
254	0.0	0.1	0.1#

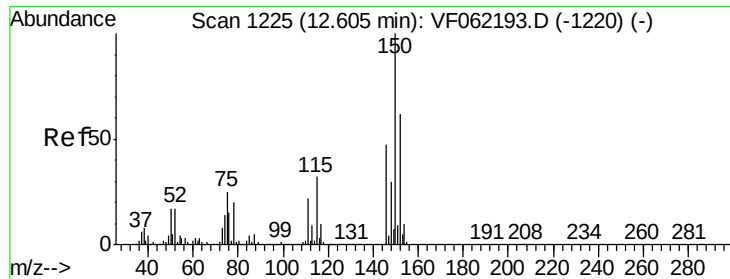


Abundance Ion 172.70 (172.40 to 173.40): V

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: 12.63 min Scan# 1228

Delta R.T. 0.03 min

Lab File: VF062202.D

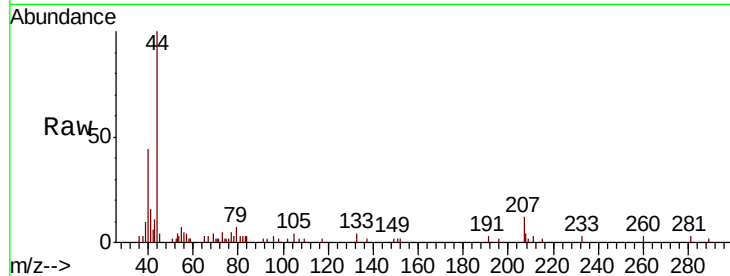
Acq: 18 Apr 2019 13:49

Instrument :

MSVOA_F

ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
115	343.8	27.8	83.3#
150	0.0	0.0	341.8

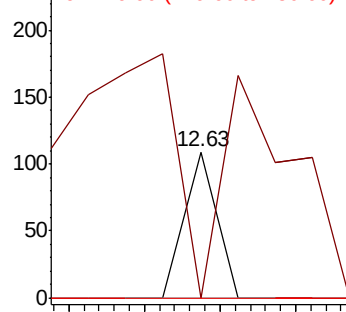


Abundance

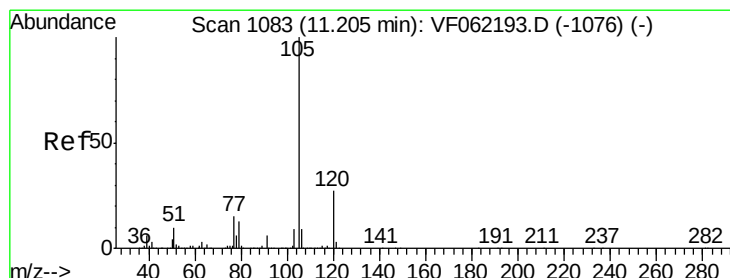
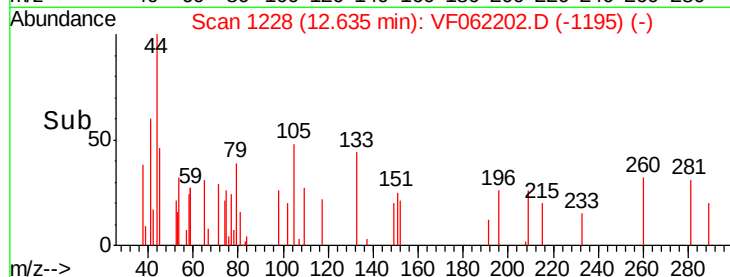
Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



Time-->



#73

Isopropylbenzene

Concen: 110.775 ug/l

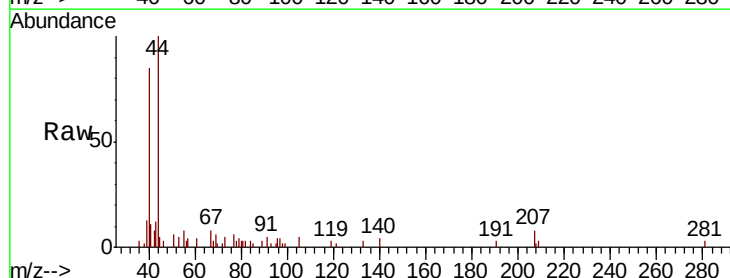
RT: 11.23 min Scan# 1085

Delta R.T. 0.02 min

Lab File: VF062202.D

Acq: 18 Apr 2019 13:49

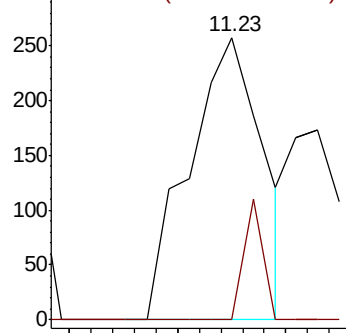
Tgt Ion	Ratio	Lower	Upper
105	100		
120	10.7	13.0	38.9#



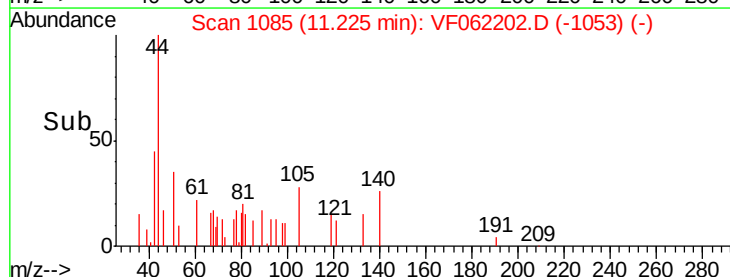
Abundance

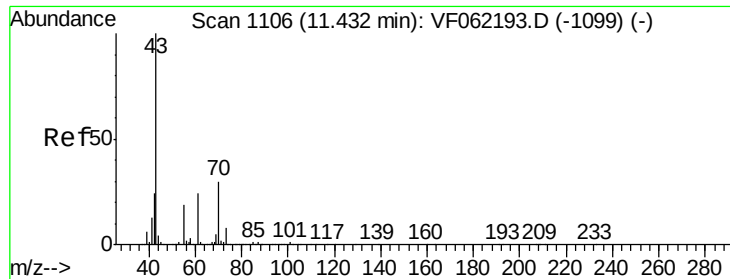
Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->





#74

N-amvl acetate

Concen: 858.109 ug/l

RT: 11.49 min Scan# 1112

Delta R.T. 0.06 min

Lab File: VF062202.D

Acq: 18 Apr 2019 13:49

Instrument :

MSVOA_F

ClientSampled :

Tot Ion: 43 Resp: 1073

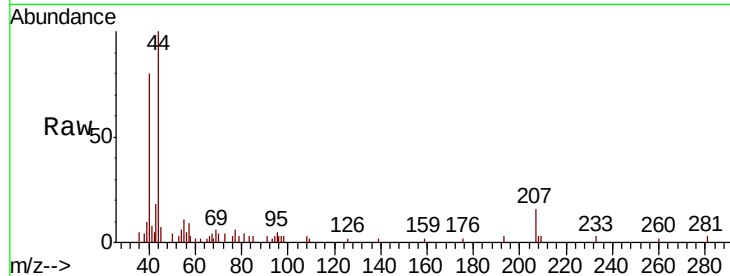
Ion Ratio Lower Upper

43 100

70 38.6 27.0 40.4

55 51.6 15.7 23.5#

61 0.0 20.8 31.2#

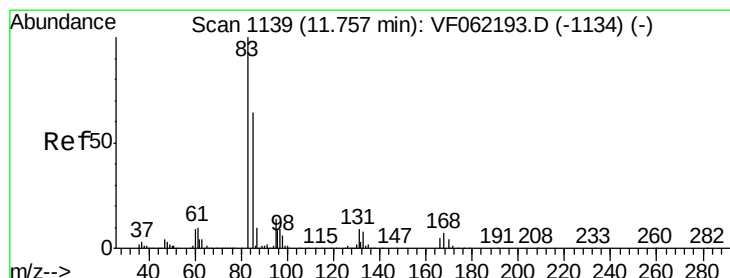
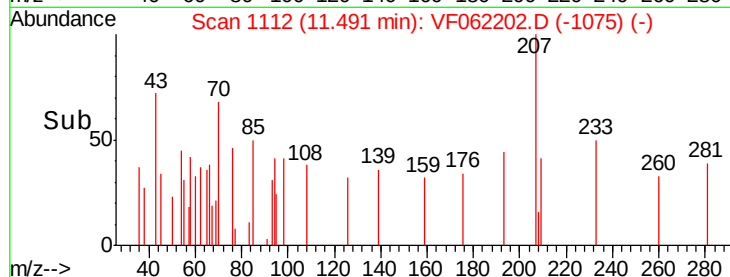
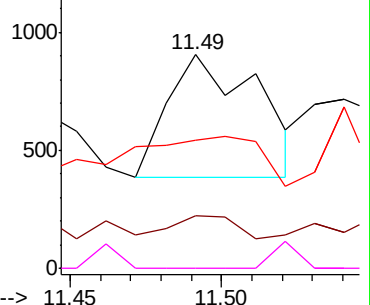


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0



#75

1,1,2,2-Tetrachloroethane

Concen: 775.281 ug/l

RT: 11.73 min Scan# 1136

Delta R.T. -0.03 min

Lab File: VF062202.D

Acq: 18 Apr 2019 13:49

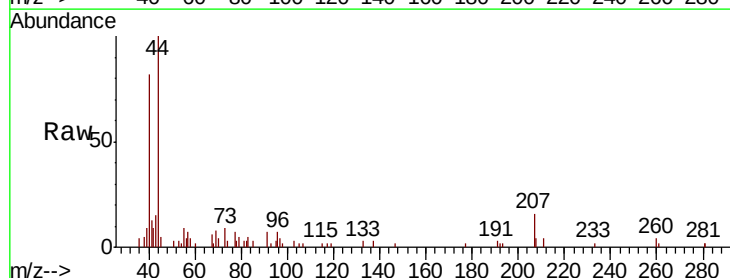
Tgt Ion: 83 Resp: 733

Ion Ratio Lower Upper

83 100

131 10.0 4.5 13.5

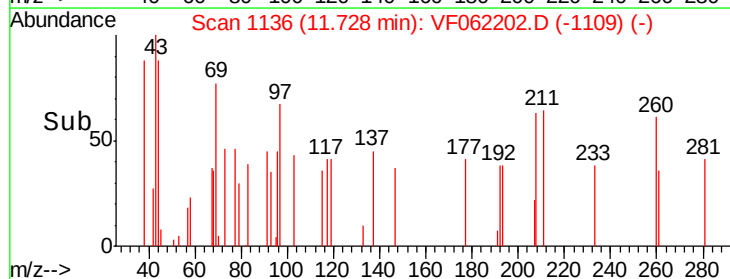
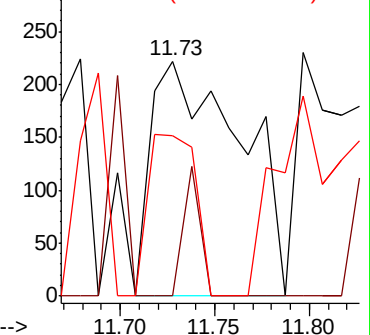
85 35.9 34.7 104.1

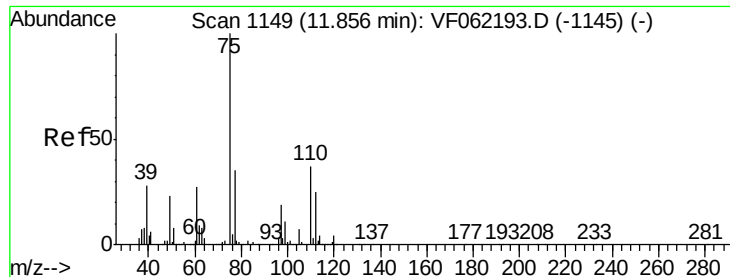


Abundance Ion 82.90 (82.60 to 83.60): VF0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VF0





#76

1,2,3-Trichloropropane

Concen: 115.299 ug/l

RT: 11.86 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VF062202.D

Acq: 18 Apr 2019 13:49

Instrument :

MSVOA_F

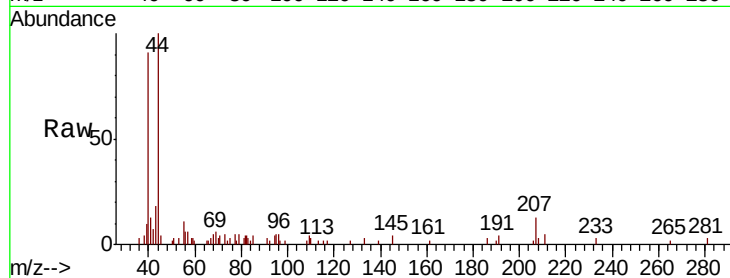
ClientSampled :

Tot Ion: 75 Resp: 75

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

500

400

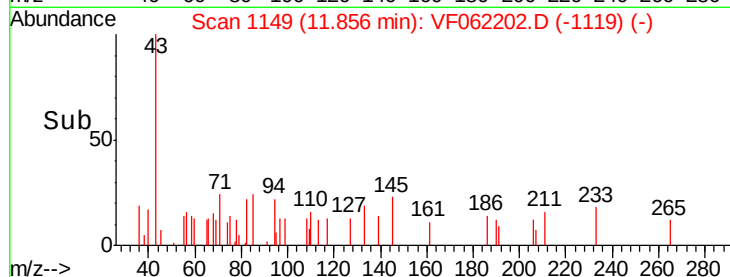
300

200

100

0

Time-->

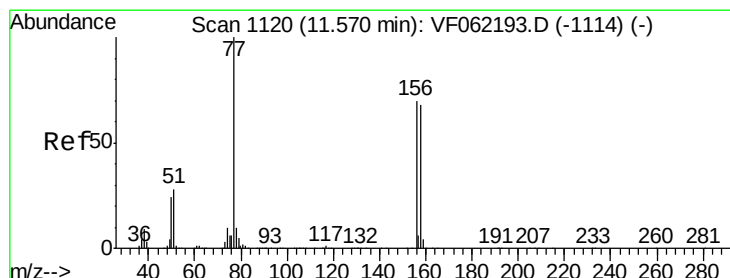


11.86

11.84

11.86

11.88



#77

Bromobenzene

Concen: 54.343 ug/l

RT: 11.58 min Scan# 1121

Delta R.T. 0.01 min

Lab File: VF062202.D

Acq: 18 Apr 2019 13:49

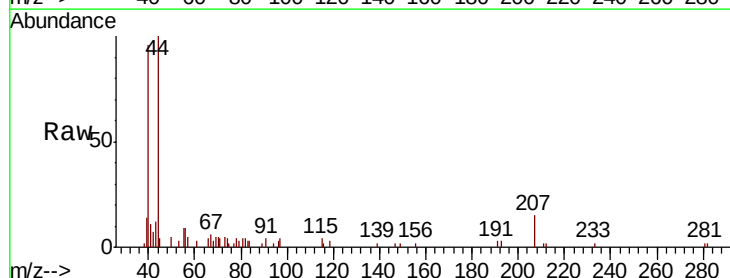
Tgt Ion: 156 Resp: 64

Ion Ratio Lower Upper

156 100

77 537.5 80.9 242.7#

158 0.0 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

400

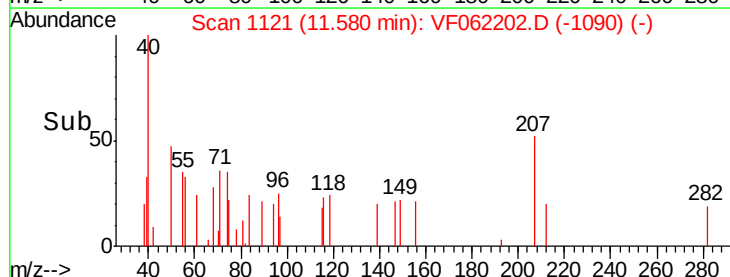
300

200

100

0

Time-->

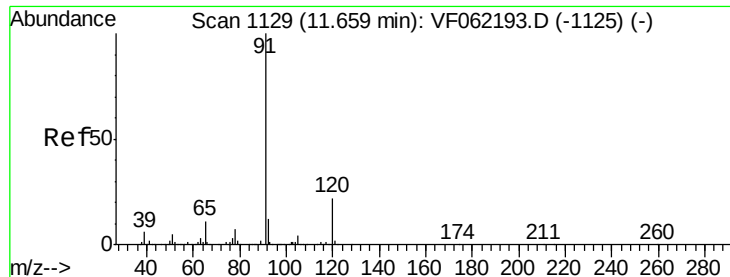


11.58

11.56

11.58

11.60



#78

n-propylbenzene

Concen: 87.766 ug/l

RT: 11.68 min Scan# 1131

Delta R.T. 0.02 min

Lab File: VF062202.D

Acq: 18 Apr 2019 13:49

Instrument :

MSVOA_F

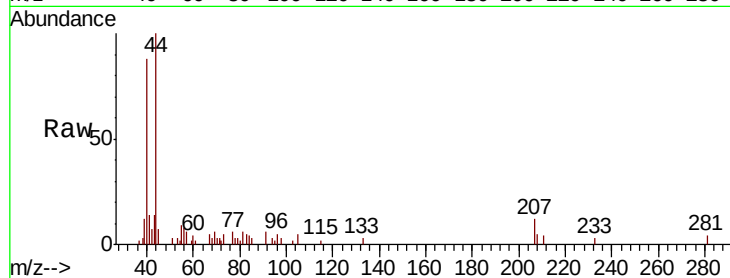
ClientSampleId :

Tot Ion: 91 Resp: 509

Ion Ratio Lower Upper

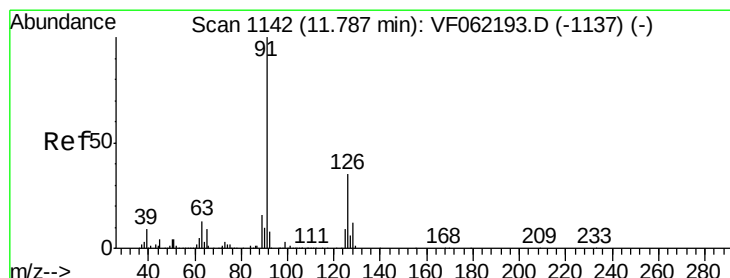
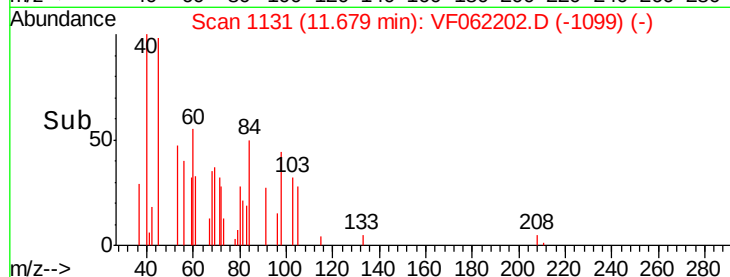
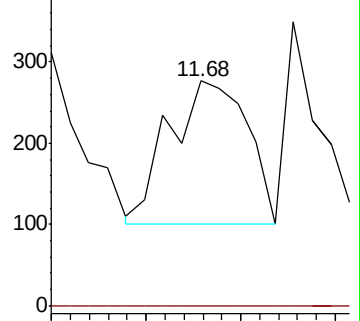
91 100

120 0.0 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: 106.027 ug/l

RT: 11.82 min Scan# 1145

Delta R.T. 0.03 min

Lab File: VF062202.D

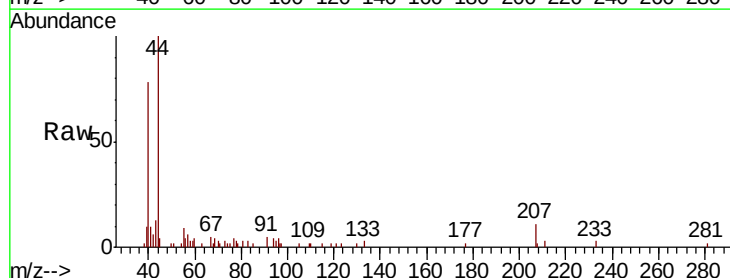
Acq: 18 Apr 2019 13:49

Tgt Ion: 91 Resp: 373

Ion Ratio Lower Upper

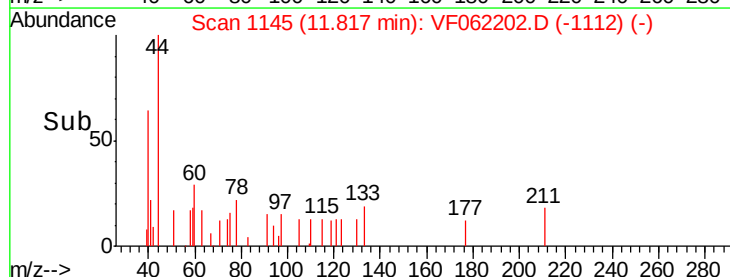
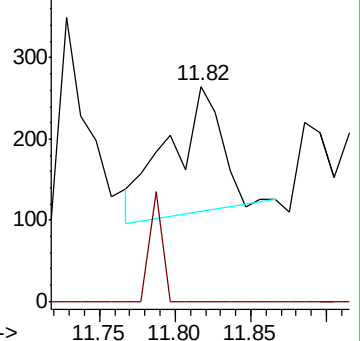
91 100

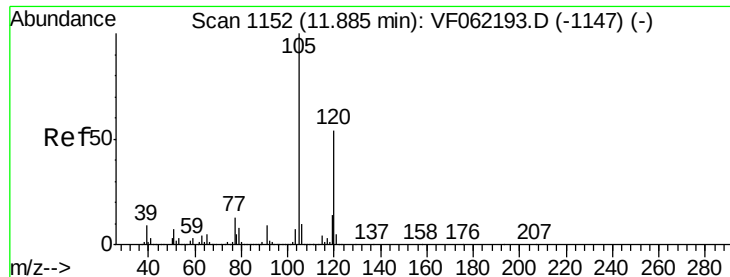
126 0.0 16.9 50.6#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 125.90 (125.60 to 126.60): V





#80

1,3,5-Trimethylbenzene

Concen: 96.312 ug/l

RT: 11.91 min Scan# 1154

Delta R.T. 0.02 min

Lab File: VF062202.D

Acq: 18 Apr 2019 13:49

Instrument :

MSVOA_F

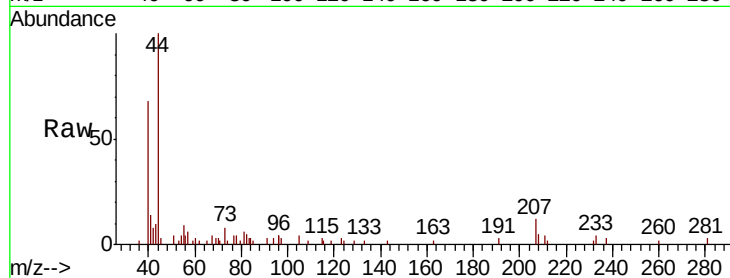
ClientSampled :

Tot Ion:105 Resp: 441

Ion Ratio Lower Upper

105 100

120 0.0 26.2 78.5#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.91

250

200

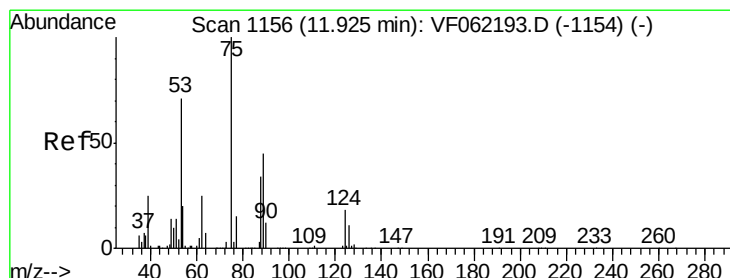
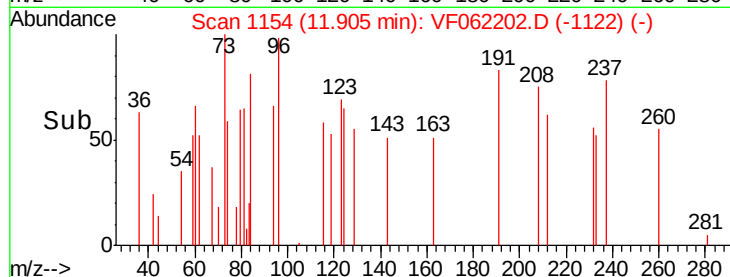
150

100

50

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 226.078 ug/l

RT: 11.86 min Scan# 1149

Delta R.T. -0.07 min

Lab File: VF062202.D

Acq: 18 Apr 2019 13:49

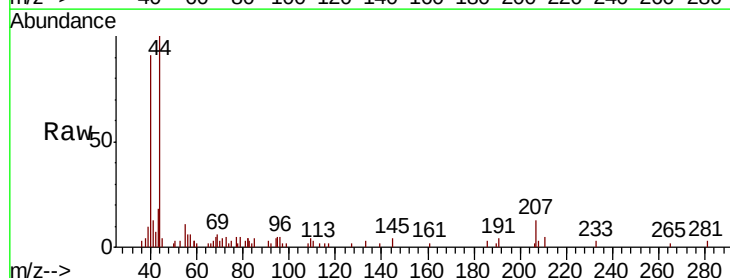
Tgt Ion: 75 Resp: 75

Ion Ratio Lower Upper

75 100

53 0.0 50.2 75.4#

89 184.0 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

250

200

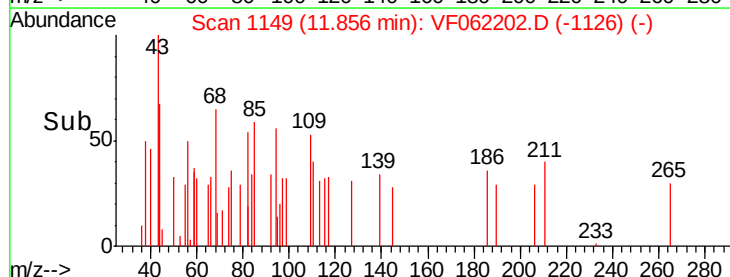
150

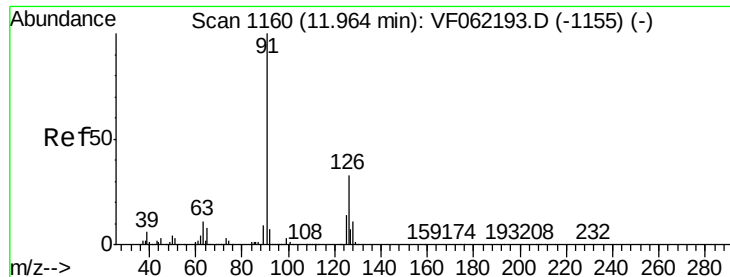
100

50

0

Time-->

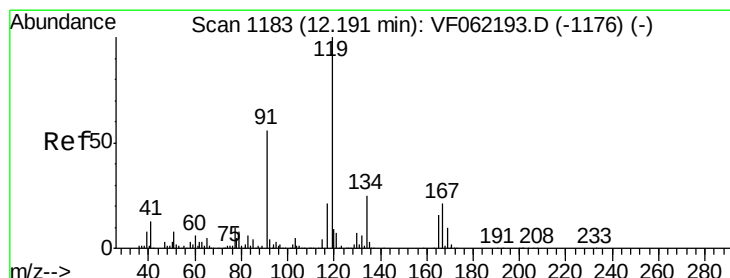
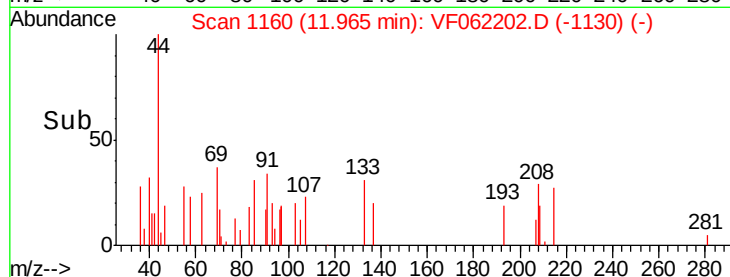
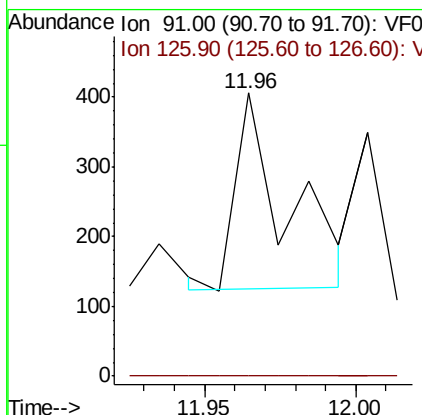
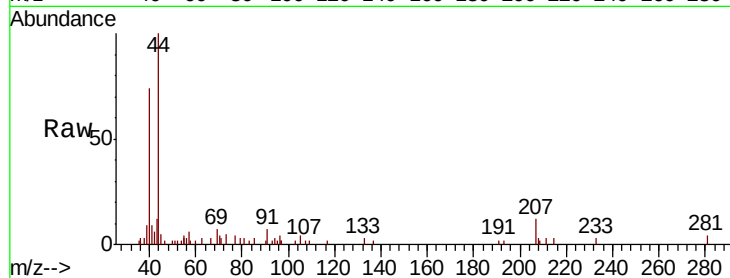




#82
4-Chlorotoluene
Concen: 96.768 ug/l
RT: 11.96 min Scan# 1160
Delta R.T. 0.00 min
Lab File: VF062202.D
Acq: 18 Apr 2019 13:49

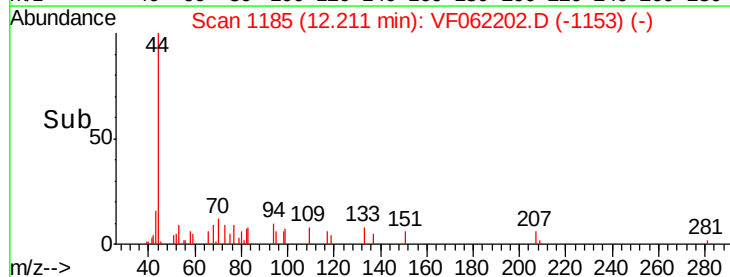
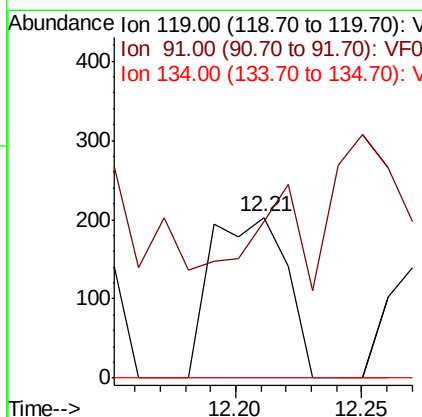
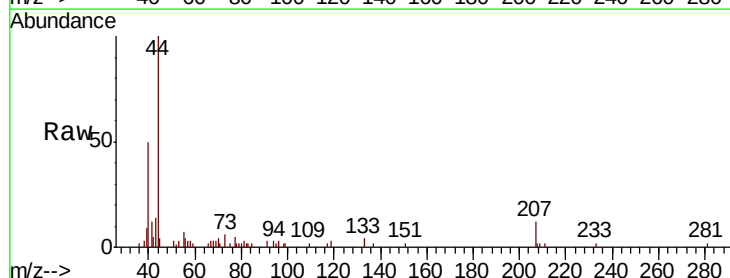
Instrument :
MSVOA_F
ClientSampleId :

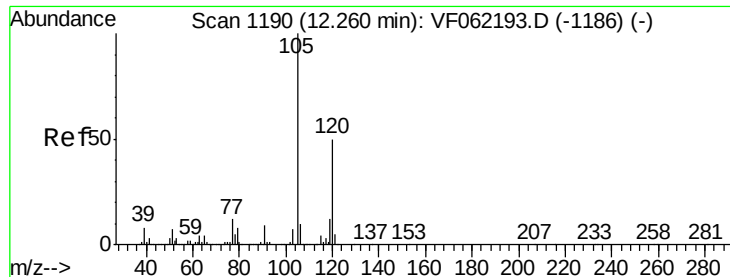
Tot Ion: 91 Resp: 329
Ion Ratio Lower Upper
91 100
126 0.0 16.9 50.6#



#83
tert-Butylbenzene
Concen: 89.544 ug/l
RT: 12.21 min Scan# 1185
Delta R.T. 0.02 min
Lab File: VF062202.D
Acq: 18 Apr 2019 13:49

Tgt Ion: 119 Resp: 424
Ion Ratio Lower Upper
119 100
91 36.3 29.4 88.2
134 0.0 11.8 35.3#

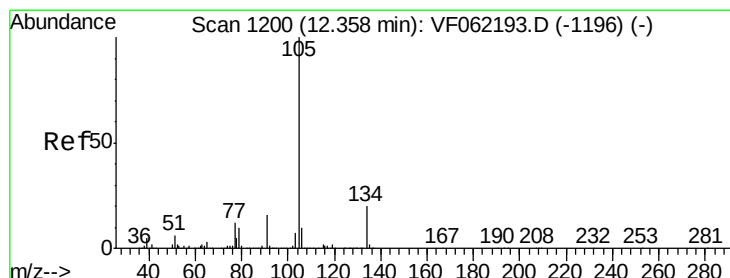
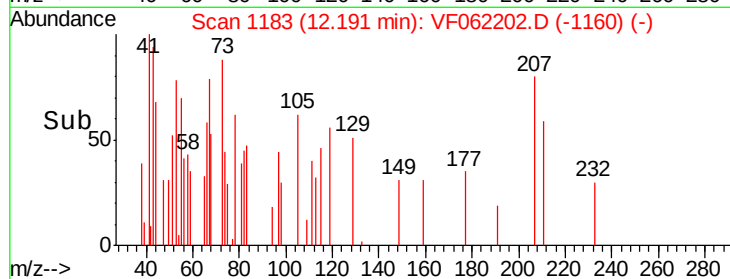
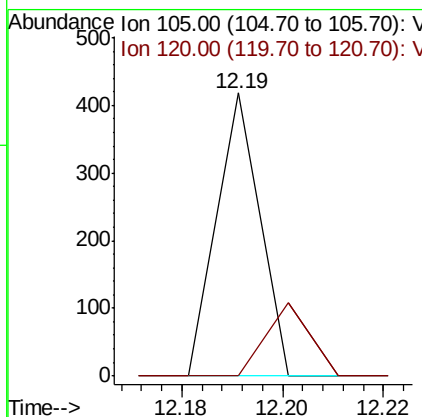
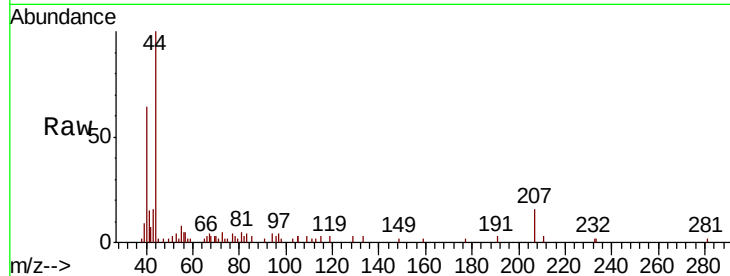




#84
 1,2,4-Trimethylbenzene
 Concen: 55.744 ug/l
 RT: 12.19 min Scan# 1183
 Delta R.T. -0.07 min
 Lab File: VF062202.D
 Acq: 18 Apr 2019 13:49

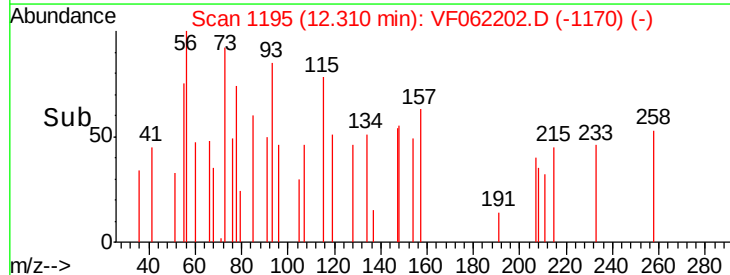
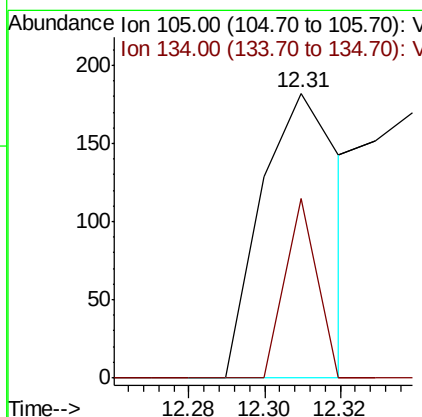
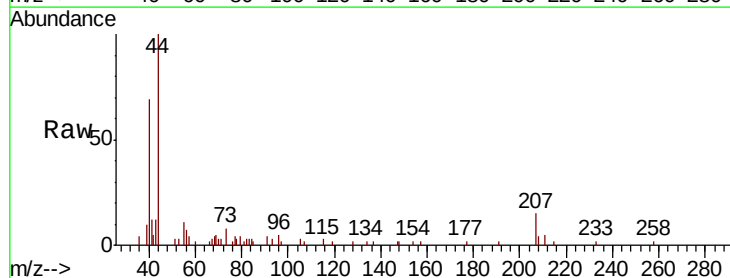
Instrument :
 MSVOA_F
 ClientSampleId :

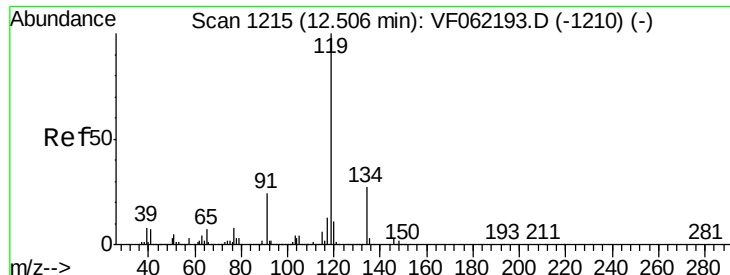
Tot Ion:105 Resp: 247
 Ion Ratio Lower Upper
 105 100
 120 25.9 24.0 72.0



#85
 sec-Butylbenzene
 Concen: 43.758 ug/l
 RT: 12.31 min Scan# 1195
 Delta R.T. -0.05 min
 Lab File: VF062202.D
 Acq: 18 Apr 2019 13:49

Tgt Ion:105 Resp: 269
 Ion Ratio Lower Upper
 105 100
 134 25.3 9.7 29.1

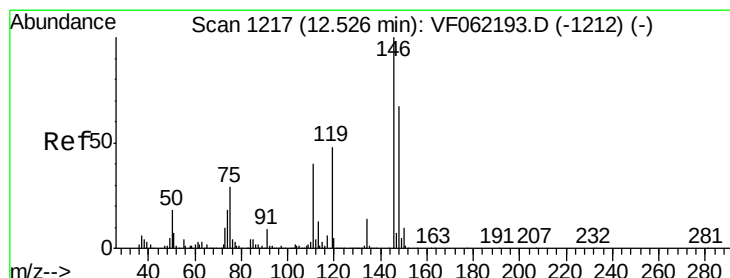
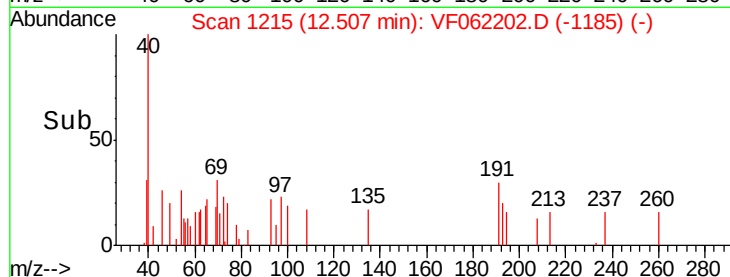
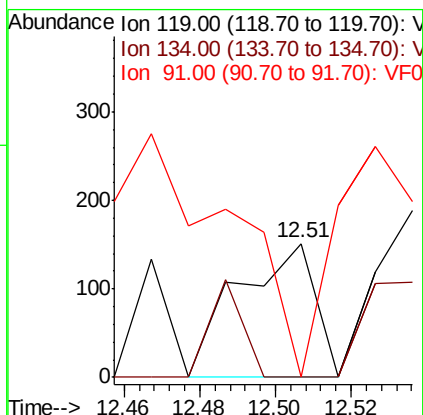
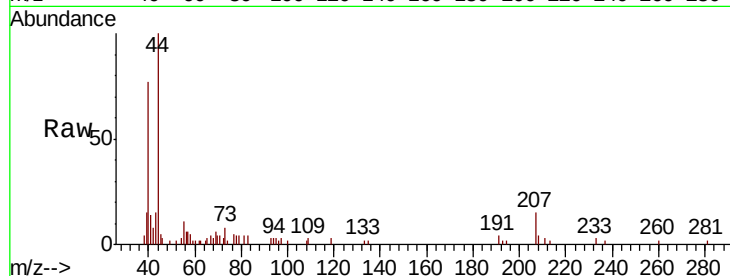




#86
p-Isopropyltoluene
Concen: 41.229 ug/l
RT: 12.51 min Scan# 1215
Delta R.T. 0.00 min
Lab File: VF062202.D
Acq: 18 Apr 2019 13:49

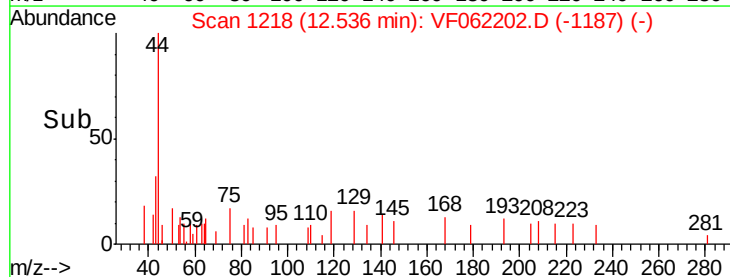
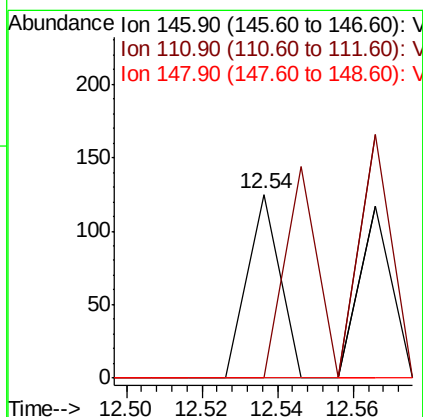
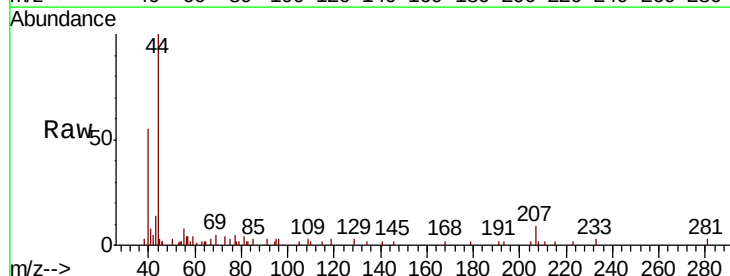
Instrument :
MSVOA_F
ClientSampleId :

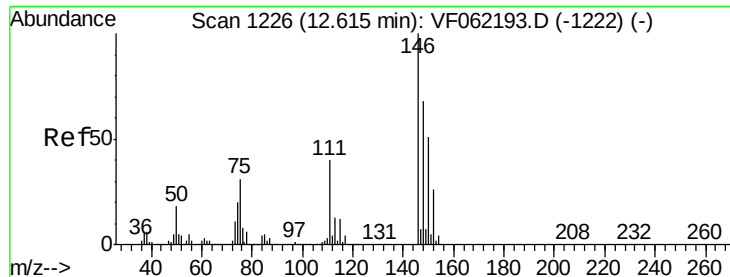
Tot Ion	Ratio	Lower	Upper
119	100		
134	30.2	13.2	39.5
91	0.0	11.7	35.1#



#87
1,3-Dichlorobenzene
Concen: 33.860 ug/l
RT: 12.54 min Scan# 1218
Delta R.T. 0.01 min
Lab File: VF062202.D
Acq: 18 Apr 2019 13:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	114.9	19.7	59.0#
148	0.0	32.9	98.6#

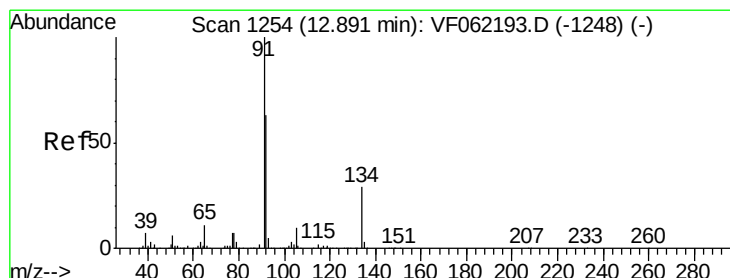
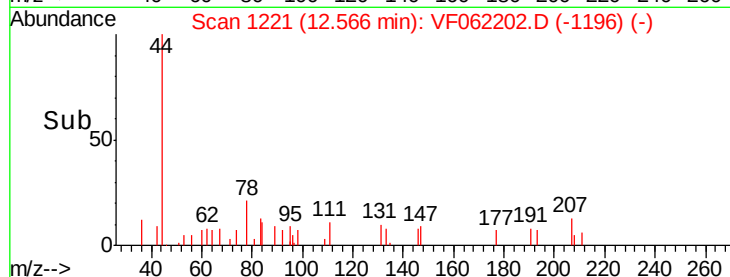
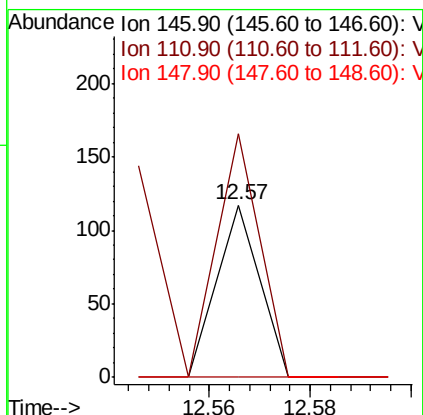
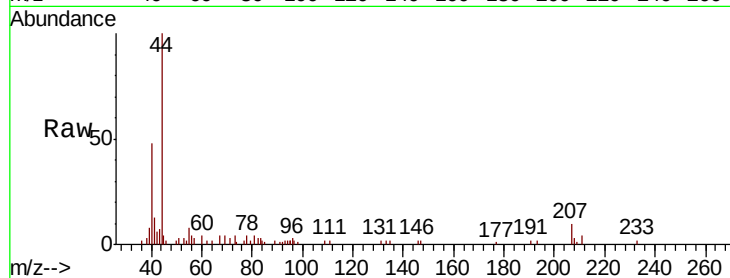




#88
 1,4-Dichlorobenzene
 Concen: 32.733 ug/l
 RT: 12.57 min Scan# 1221
 Delta R.T. -0.05 min
 Lab File: VF062202.D
 Acq: 18 Apr 2019 13:49

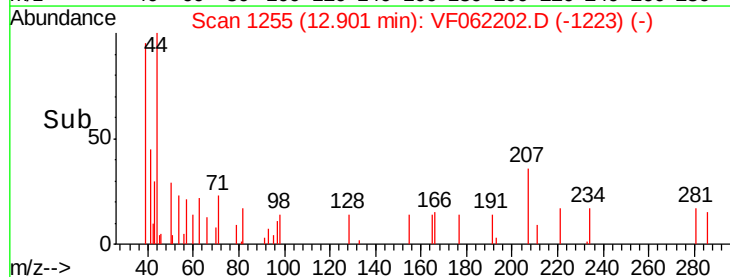
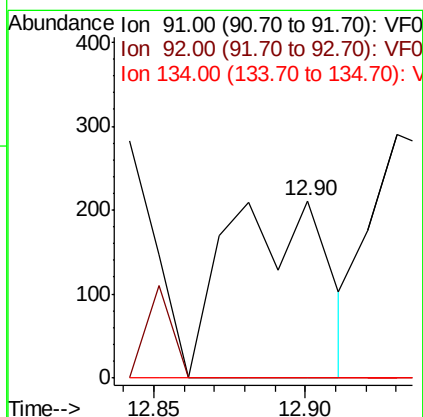
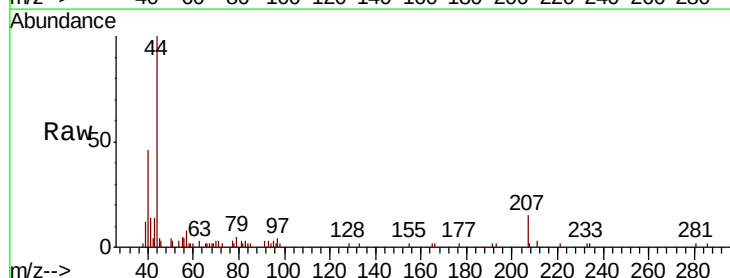
Instrument :
 MSVOA_F
 ClientSampleId :

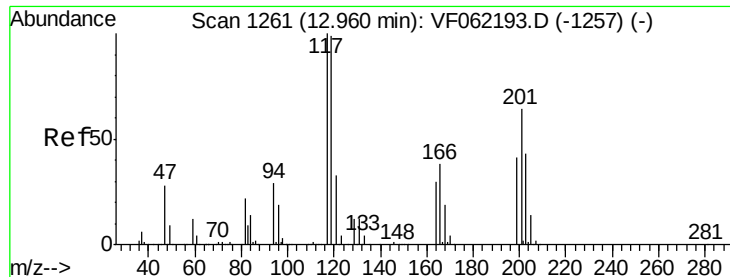
Tot Ion	Ratio	Lower	Upper
146	100		
111	0.0	20.0	60.0#
148	0.0	33.6	100.8#



#89
 n-Butylbenzene
 Concen: 120.658 ug/l
 RT: 12.90 min Scan# 1255
 Delta R.T. 0.01 min
 Lab File: VF062202.D
 Acq: 18 Apr 2019 13:49

Tgt Ion	Ratio	Lower	Upper
91	100		
92	0.0	31.2	93.6#
134	0.0	13.1	39.1#





#90

Hexachloroethane

Concen: 377.869 ug/l

RT: 12.97 min Scan# 1262

Delta R.T. 0.01 min

Lab File: VF062202.D

Acq: 18 Apr 2019 13:49

Instrument :

MSVOA_F

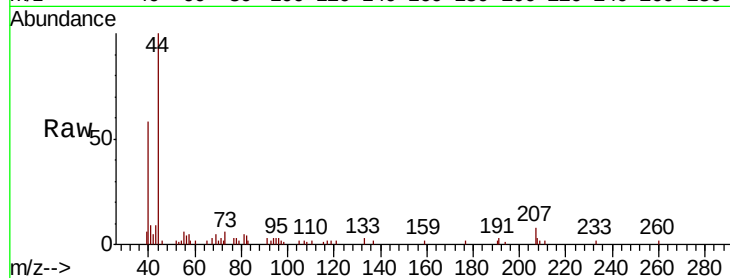
ClientSampleId :

Tot Ion:117 Resp: 506

Ion Ratio Lower Upper

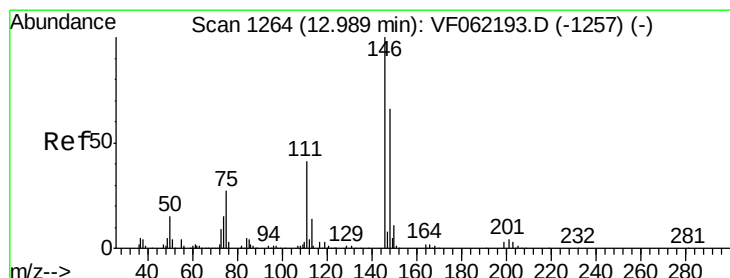
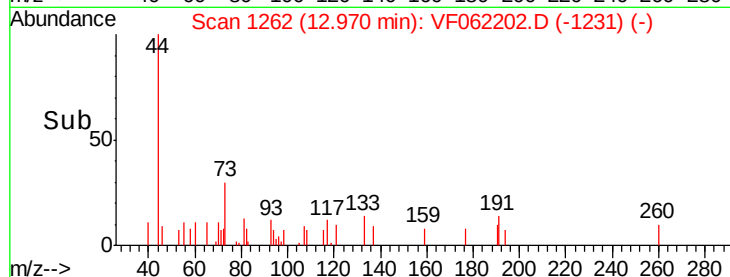
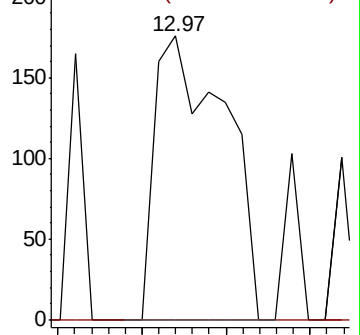
117 100

201 0.0 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: 36.015 ug/l

RT: 12.86 min Scan# 1251

Delta R.T. -0.13 min

Lab File: VF062202.D

Acq: 18 Apr 2019 13:49

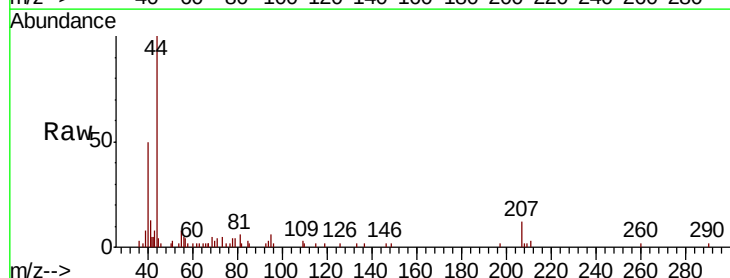
Tgt Ion:146 Resp: 76

Ion Ratio Lower Upper

146 100

111 90.8 20.8 62.5#

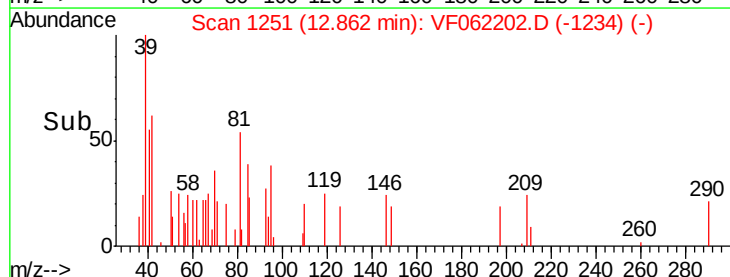
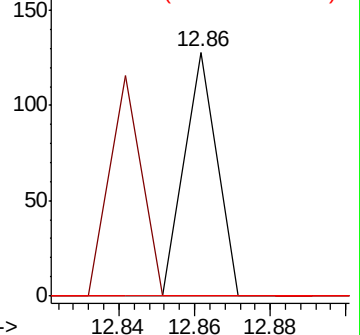
148 0.0 33.0 99.0#

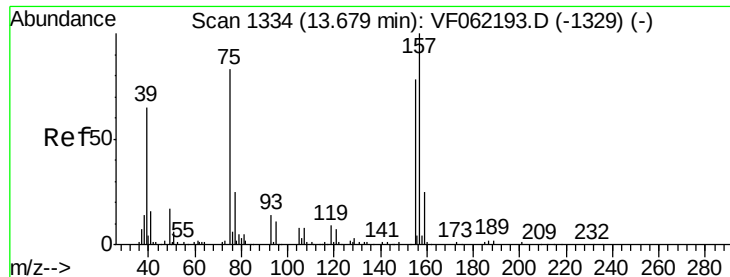


Abundance Ion 145.90 (145.60 to 146.60): V

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: 1798.036 ug/l

RT: 13.66 min Scan# 1332

Delta R.T. -0.02 min

Lab File: VF062202.D

Acq: 18 Apr 2019 13:49

Instrument :

MSVOA_F

ClientSampled :

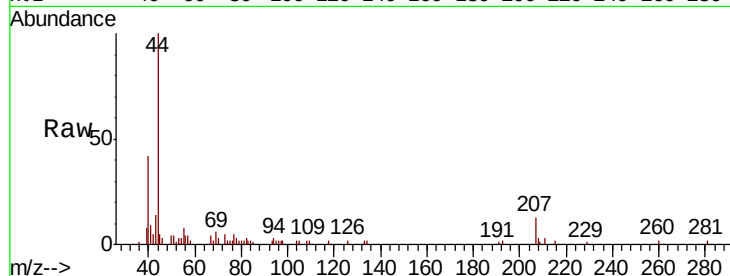
Tot Ion: 75 Resp: 334

Ion Ratio Lower Upper

75 100

155 0.0 47.6 142.8#

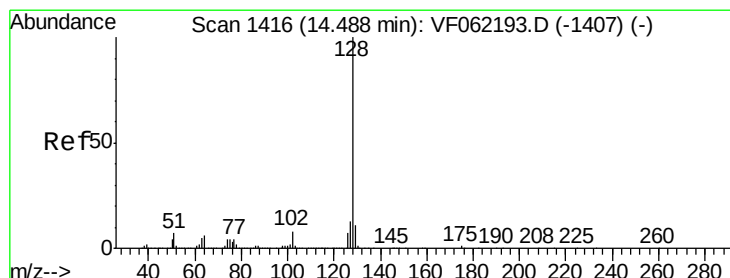
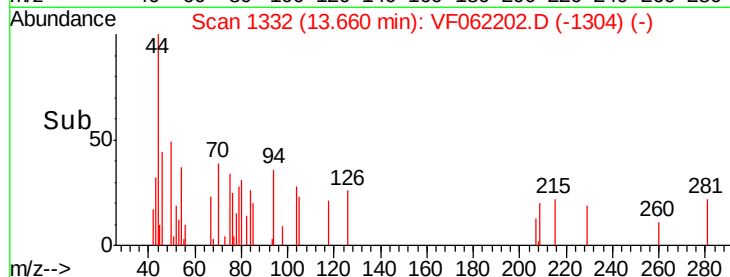
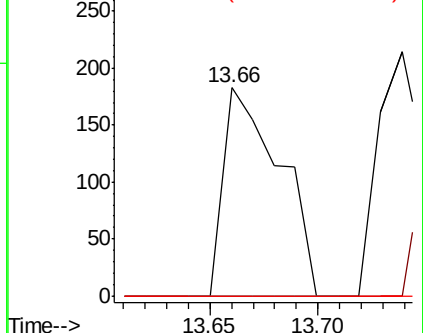
157 0.0 61.3 183.9#



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



#95

Naphthalene

Concen: 81.627 ug/l

RT: 14.50 min Scan# 1417

Delta R.T. 0.01 min

Lab File: VF062202.D

Acq: 18 Apr 2019 13:49

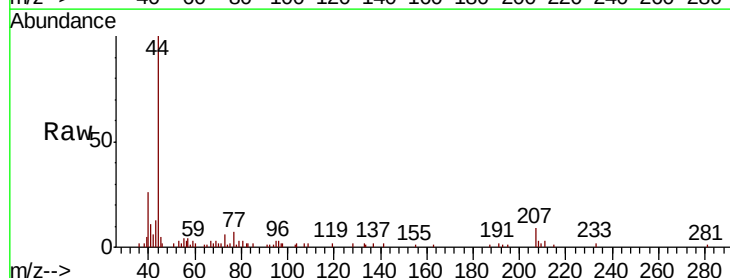
Tgt Ion: 128 Resp: 252

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

129 28.2 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

