

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF041819\
 Data File : VF062216.D
 Acq On : 18 Apr 2019 21:01
 Operator : FY/SY
 Sample : VSTDCCC050EC
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Apr 19 01:21:06 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	5.06	168	431616	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.78	114	600278	50.00	ug/l	0.01
63) Chlorobenzene-d5	9.91	117	483428	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.62	152	259792	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.04	65	198028	50.04	ug/l	0.02
Spiked Amount 50.000			Recovery =	100.08%		
35) Dibromofluoromethane	4.31	113	249361	47.49	ug/l	0.01
Spiked Amount 50.000			Recovery =	94.98%		
50) Toluene-d8	7.71	98	694884	52.28	ug/l	0.01
Spiked Amount 50.000			Recovery =	104.56%		
62) 4-Bromofluorobenzene	11.49	95	270919	52.98	ug/l	0.01
Spiked Amount 50.000			Recovery =	105.96%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.01	85	309763	47.226	ug/l	97
3) Chloromethane	1.14	50	305571	45.072	ug/l	99
4) Vinyl Chloride	1.19	62	272166	46.727	ug/l	100
5) Bromomethane	1.40	94	181140	53.534	ug/l	95
6) Chloroethane	1.44	64	119734	49.173	ug/l	98
7) Trichlorofluoromethane	1.56	101	369905	49.990	ug/l	94
8) Diethyl Ether	1.72	74	68510	44.485	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.90	101	245003	48.467	ug/l	99
10) Methyl Iodide	1.98	142	444370	49.483	ug/l	90
11) Tert butyl alcohol	2.71	59	65947	239.717	ug/l	94
12) 1,1-Dichloroethene	1.87	96	219986	45.754	ug/l	96
13) Acrolein	2.10	56	29186	241.871	ug/l	88
14) Allyl chloride	2.20	41	238545	43.232	ug/l	100
15) Acrylonitrile	3.10	53	191104	228.074	ug/l	99
16) Acetone	2.36	43	222566	235.272	ug/l	98
17) Carbon Disulfide	1.92	76	549138	41.102	ug/l	98
18) Methyl Acetate	2.46	43	95281	46.327	ug/l	99
19) Methyl tert-butyl Ether	2.55	73	428523	50.480	ug/l	96
20) Methylene Chloride	2.34	84	226775	48.639	ug/l	96
21) trans-1,2-Dichloroethene	2.43	96	228908	48.143	ug/l	98
22) Diisopropyl ether	2.95	45	675175	47.835	ug/l	99
23) Vinyl Acetate	3.35	43	1660071	246.856	ug/l	99
24) 1,1-Dichloroethane	3.02	63	376373	48.746	ug/l	99
25) 2-Butanone	4.53	43	450145	237.977	ug/l	97
26) 2,2-Dichloropropane	3.78	77	173709	44.561	ug/l	99
27) cis-1,2-Dichloroethene	3.65	96	299288	48.607	ug/l	98
28) Bromochloromethane	3.90	49	162529	43.943	ug/l #	96
29) Tetrahydrofuran	4.28	42	196171	229.123	ug/l	97
30) Chloroform	4.05	83	475403	50.100	ug/l	97
31) Cyclohexane	3.88	56	420371	45.431	ug/l	99
32) 1,1,1-Trichloroethane	4.29	97	362153	52.140	ug/l #	90
36) 1,1-Dichloropropene	4.48	75	374408	52.023	ug/l	99
37) Ethyl Acetate	4.31	43	166938	49.155	ug/l #	96
38) Carbon Tetrachloride	4.19	117	421779	66.210	ug/l	99

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 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)
39) Methylcyclohexane	5.63	83	429104	49.797	ug/l	95
40) Benzene	4.83	78	935671	49.566	ug/l	99
41) Methacrylonitrile	4.94	41	89977	45.931	ug/l	95
42) 1,2-Dichloroethane	5.14	62	261800	52.460	ug/l	99
43) Isopropyl Acetate	7.12	43	197897	55.404	ug/l	97
44) Trichloroethene	5.69	130	265731	52.094	ug/l	97
45) 1,2-Dichloropropane	6.41	63	222935	53.613	ug/l	99
46) Dibromomethane	6.26	93	146387	52.913	ug/l	95
47) Bromodichloromethane	6.56	83	327991	52.537	ug/l	98
48) Methyl methacrylate	6.88	41	123568	52.640	ug/l	99
49) 1,4-Dioxane	6.88	88	27498	1021.435	ug/l	99
51) 4-Methyl-2-Pentanone	8.41	43	681844	256.650	ug/l	98
52) Toluene	7.78	92	535803	53.846	ug/l	100
53) t-1,3-Dichloropropene	8.43	75	257422	54.898	ug/l	98
54) cis-1,3-Dichloropropene	7.46	75	338651	53.392	ug/l	97
55) 1,1,2-Trichloroethane	8.64	97	153595	55.099	ug/l	98
56) Ethyl methacrylate	8.75	69	186627	58.885	ug/l	99
57) 1,3-Dichloropropane	9.00	76	248402	55.184	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.45	63	266501	289.620	ug/l	99
59) 2-Hexanone	9.62	43	455072	274.668	ug/l	95
60) Dibromochloromethane	8.86	129	233986	56.440	ug/l	98
61) 1,2-Dibromoethane	9.14	107	178599	56.868	ug/l	97
64) Tetrachloroethene	8.31	164	251729	57.683	ug/l	99
65) Chlorobenzene	9.94	112	556560	53.993	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.06	131	240460	49.813	ug/l	99
67) Ethyl Benzene	10.03	91	974700	52.001	ug/l	100
68) m/p-Xylenes	10.26	106	705354	102.223	ug/l	97
69) o-Xylene	10.82	106	386841	50.495	ug/l	98
70) Styrene	10.89	104	582879	53.914	ug/l	99
71) Bromoform	10.88	173	139098	54.576	ug/l #	98
73) Isopropylbenzene	11.22	105	1109867	49.734	ug/l	99
74) N-amyl acetate	11.44	43	294294	55.837	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.77	83	193331	50.375	ug/l	98
76) 1,2,3-Trichloropropane	11.87	75	132400	50.143	ug/l #	64
77) Bromobenzene	11.58	156	265437	55.524	ug/l	92
78) n-propylbenzene	11.67	91	1183293	50.264	ug/l	98
79) 2-Chlorotoluene	11.80	91	721114	50.497	ug/l	97
80) 1,3,5-Trimethylbenzene	11.90	105	926103	49.826	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.94	75	80280	59.615	ug/l #	88
82) 4-Chlorotoluene	11.98	91	704600	51.055	ug/l	97
83) tert-Butylbenzene	12.20	119	938473	48.825	ug/l	99
84) 1,2,4-Trimethylbenzene	12.27	105	863448	48.006	ug/l	98
85) sec-Butylbenzene	12.37	105	1211000	48.529	ug/l	98
86) p-Isopropyltoluene	12.52	119	1053521	49.770	ug/l	99
87) 1,3-Dichlorobenzene	12.54	146	455254	51.318	ug/l	99
88) 1,4-Dichlorobenzene	12.63	146	451179	52.727	ug/l	99
89) n-Butylbenzene	12.90	91	932548	53.982	ug/l	99
90) Hexachloroethane	12.97	117	272136	50.065	ug/l	94
91) 1,2-Dichlorobenzene	13.00	146	439643	51.324	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.69	75	36689	48.657	ug/l	89

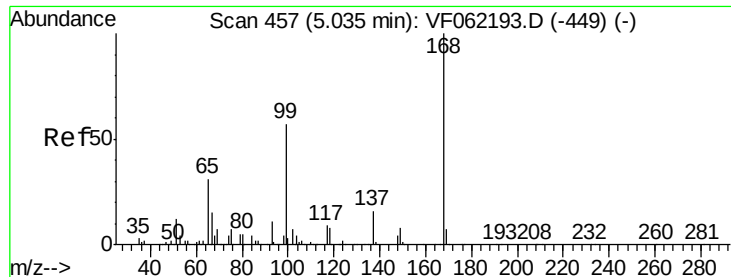
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF041819\
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Instrument :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82F041719S.M
Quant Title : SW846 8260
QLast Update : Thu Apr 18 07:43:02 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	360697	50.327	ug/l	98
94) Hexachlorobutadiene	14.23	225	258267	52.553	ug/l	99
95) Naphthalene	14.49	128	657177	52.441	ug/l	100
96) 1,2,3-Trichlorobenzene	14.64	180	358590	52.116	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 459

Delta R.T. 0.02 min

Lab File: VF062216.D

Acq: 18 Apr 2019 21:01

Instrument :

MSVOA_F

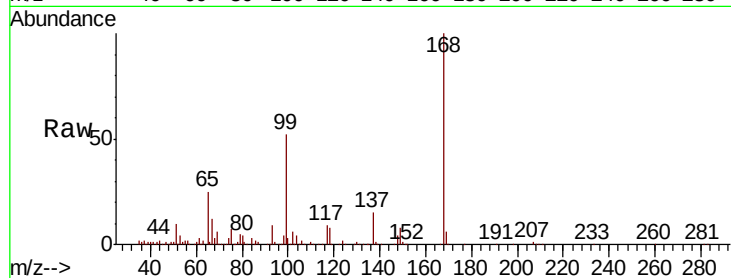
ClientSampleId :

Tot Ion:168 Resp: 431616

Ion Ratio Lower Upper

168 100

99 51.8 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): VF0

Ion 98.90 (98.60 to 99.60): VF0

5.06

150000

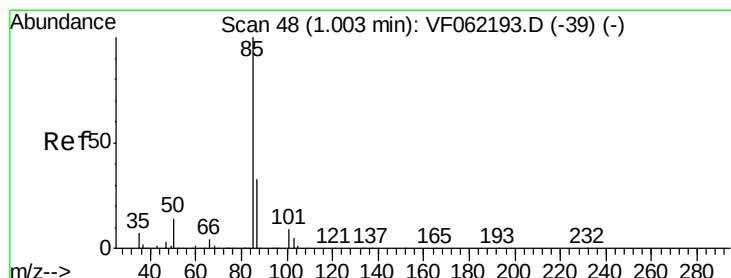
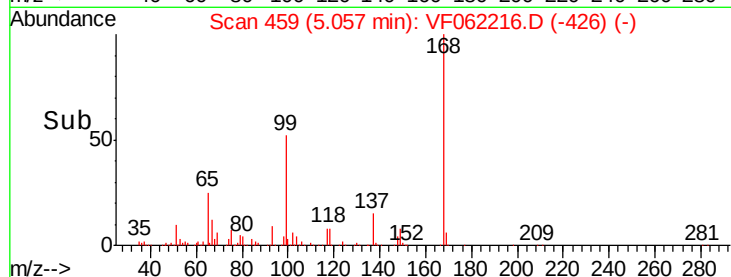
100000

50000

0

5.00 5.20 5.40

Time-->



#2

Dichlorodifluoromethane

Concen: 47.226 ug/l

RT: 1.01 min Scan# 48

Delta R.T. 0.00 min

Lab File: VF062216.D

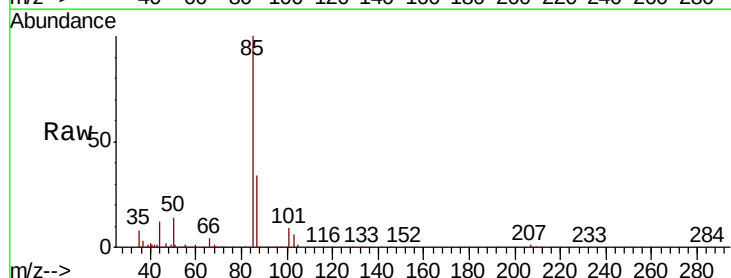
Acq: 18 Apr 2019 21:01

Tgt Ion: 85 Resp: 309763

Ion Ratio Lower Upper

85 100

87 34.3 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VF0

Ion 86.90 (86.60 to 87.60): VF0

1.01

100000

80000

60000

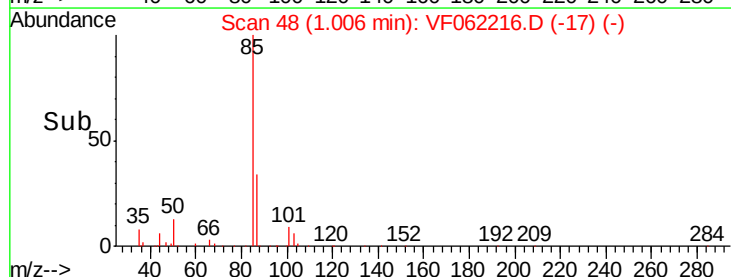
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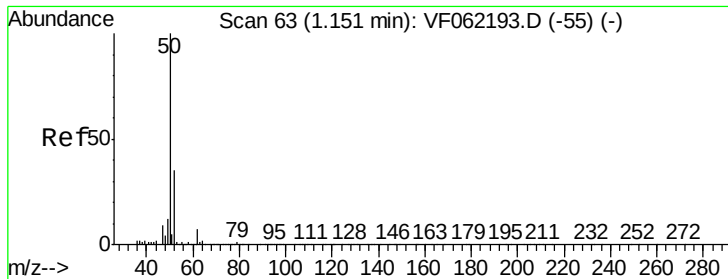
20000

0

0.80 1.00 1.20

Time-->





#3

Chloromethane

Concen: 45.072 ug/l

RT: 1.14 min Scan# 62

Delta R.T. -0.01 min

Lab File: VF062216.D

Acq: 18 Apr 2019 21:01

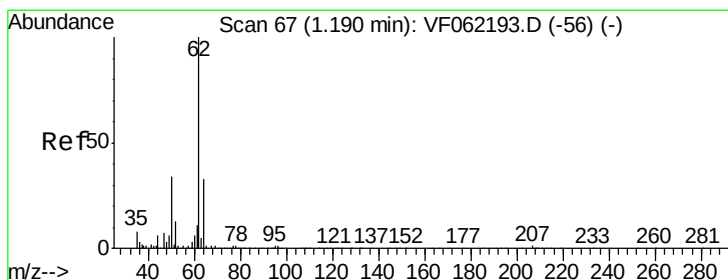
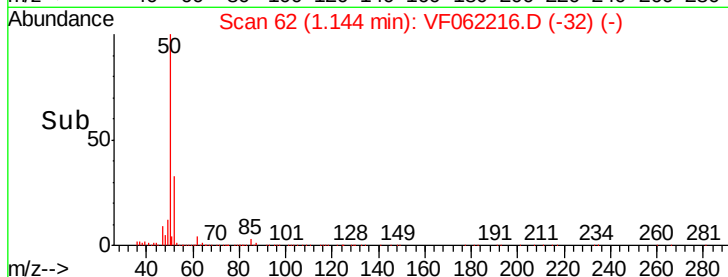
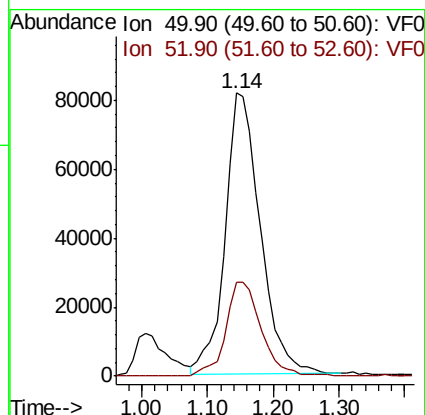
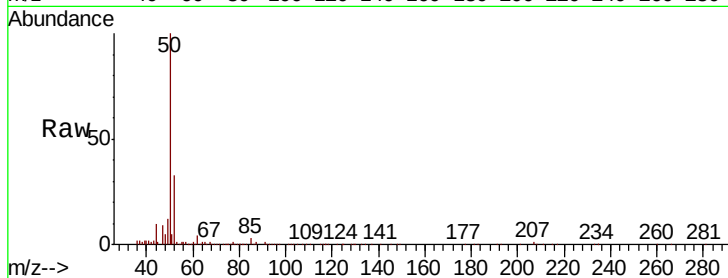
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 50 Resp: 305571

Ion Ratio Lower Upper

50 100

52 33.2 27.0 40.4



#4

Vinyl Chloride

Concen: 46.727 ug/l

RT: 1.19 min Scan# 67

Delta R.T. 0.00 min

Lab File: VF062216.D

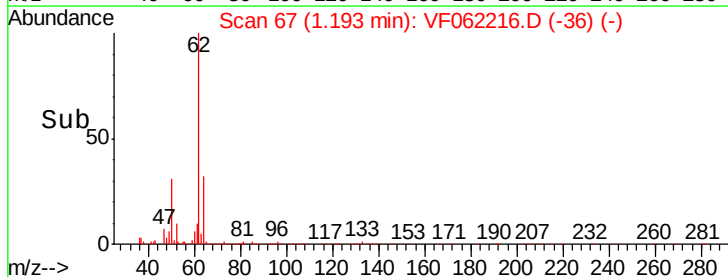
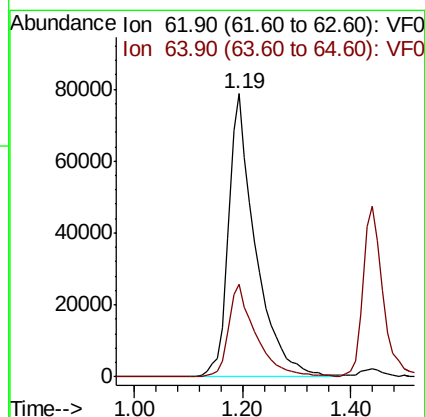
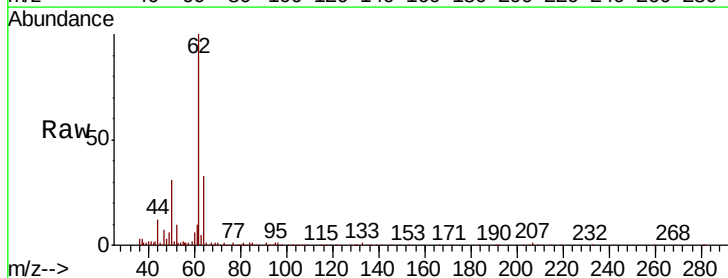
Acq: 18 Apr 2019 21:01

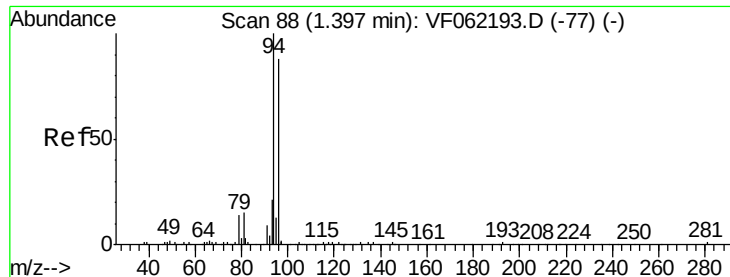
Tgt Ion: 62 Resp: 272166

Ion Ratio Lower Upper

62 100

64 32.6 26.2 39.4





#5

Bromomethane

Concen: 53.534 ug/l

RT: 1.40 min Scan# 88

Delta R.T. 0.00 min

Lab File: VF062216.D

Acq: 18 Apr 2019 21:01

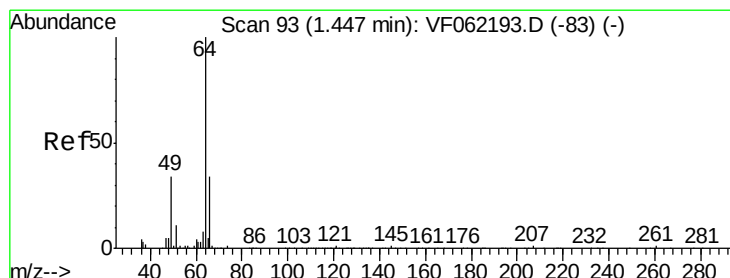
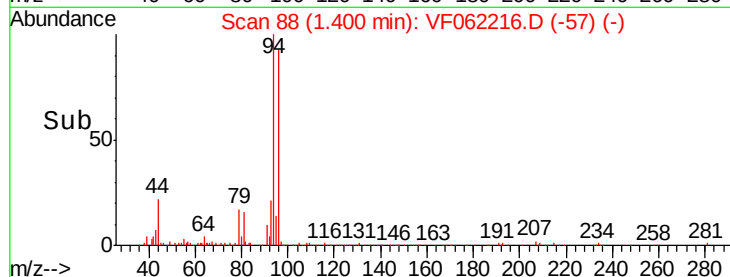
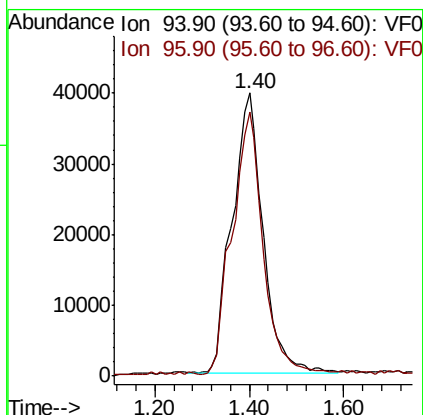
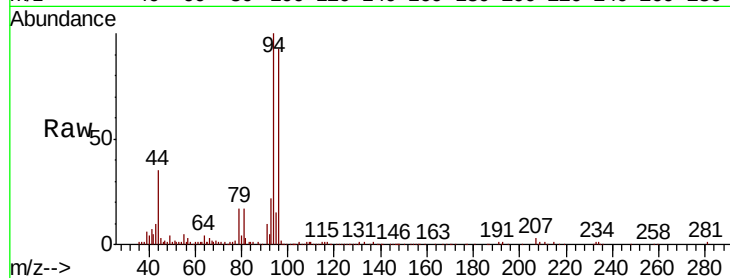
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 94 Resp: 181140

Ion Ratio Lower Upper

94 100

96 92.8 70.2 105.4



#6

Chloroethane

Concen: 49.173 ug/l

RT: 1.44 min Scan# 92

Delta R.T. -0.01 min

Lab File: VF062216.D

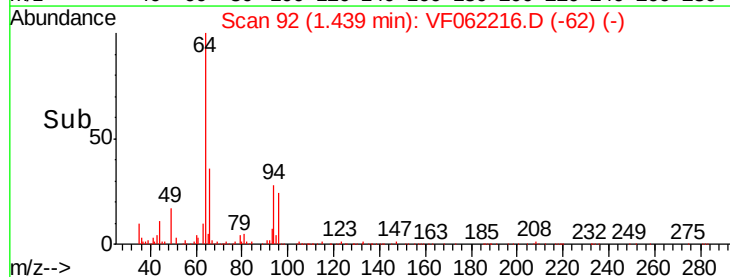
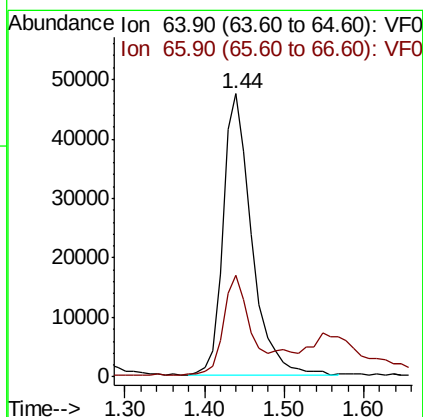
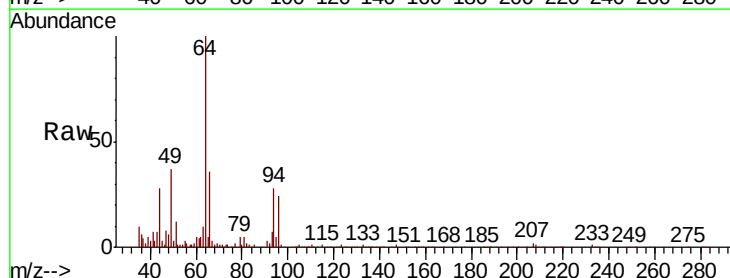
Acq: 18 Apr 2019 21:01

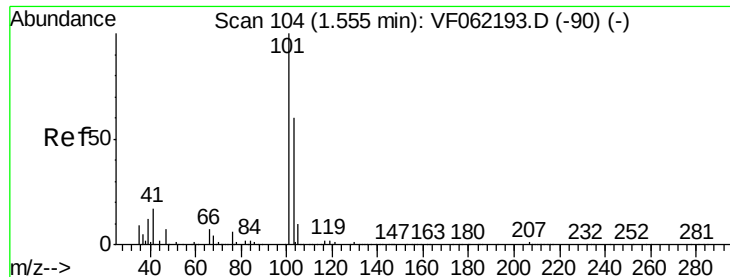
Tgt Ion: 64 Resp: 119734

Ion Ratio Lower Upper

64 100

66 35.0 27.0 40.4



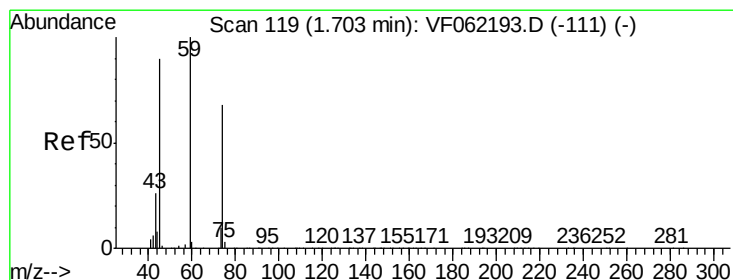
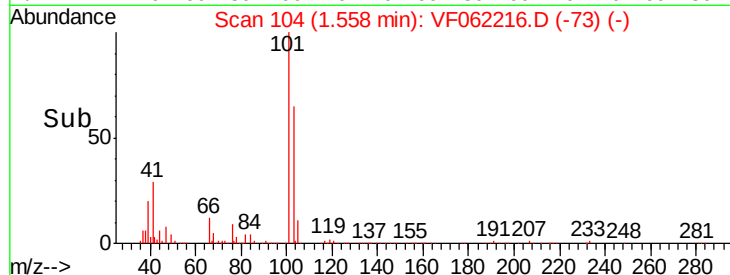
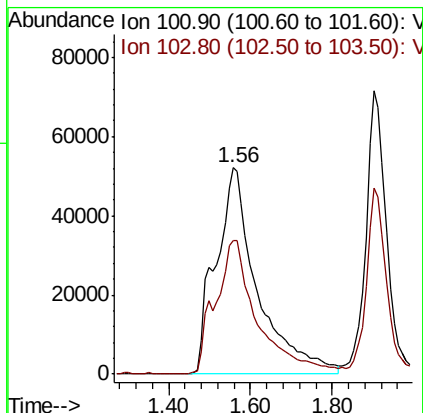
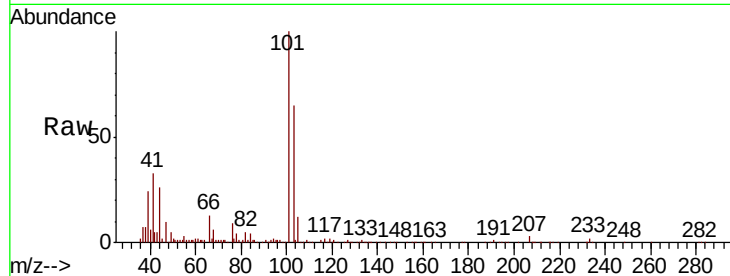


#7

Trichlorofluoromethane
Concen: 49.990 ug/l
RT: 1.56 min Scan# 104
Delta R.T. 0.00 min
Lab File: VF062216.D
Acq: 18 Apr 2019 21:01

Instrument :
MSVOA_F
ClientSampleId :

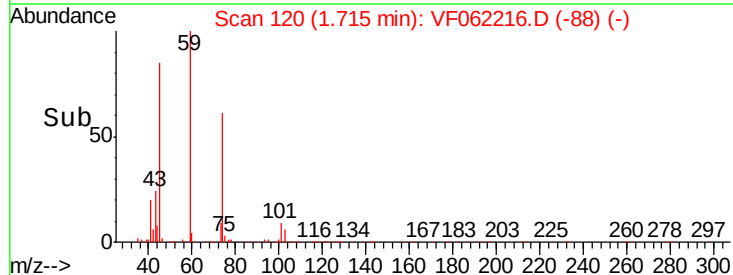
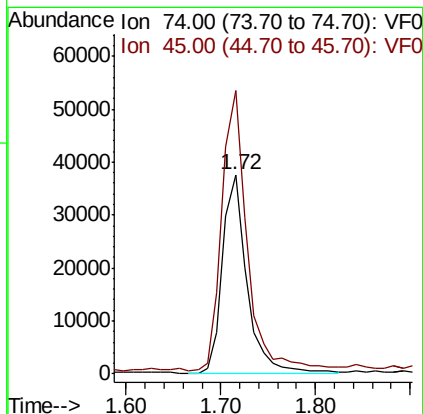
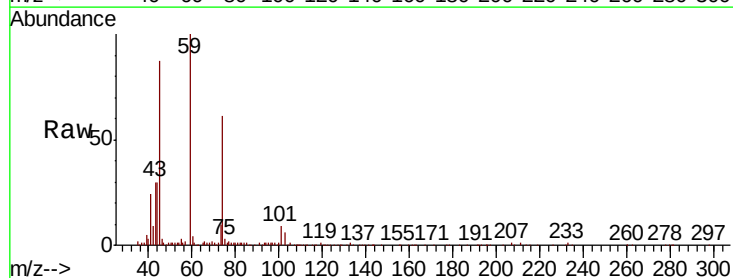
Tot Ion:101 Resp: 369905
Ion Ratio Lower Upper
101 100
103 64.7 48.2 72.4

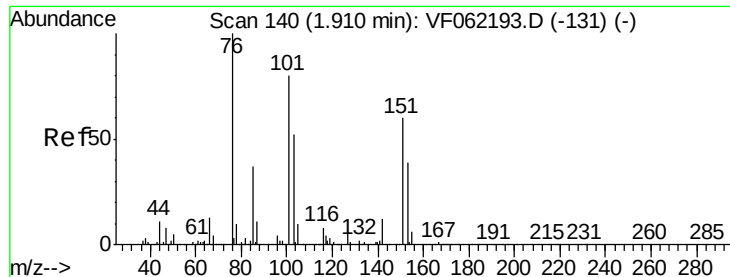


#8

Diethyl Ether
Concen: 44.485 ug/l
RT: 1.72 min Scan# 120
Delta R.T. 0.01 min
Lab File: VF062216.D
Acq: 18 Apr 2019 21:01

Tgt Ion: 74 Resp: 68510
Ion Ratio Lower Upper
74 100
45 143.5 70.0 210.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.467 ug/l

RT: 1.90 min Scan# 139

Delta R.T. -0.01 min

Lab File: VF062216.D

Acq: 18 Apr 2019 21:01

Instrument :

MSVOA_F

ClientSampleId :

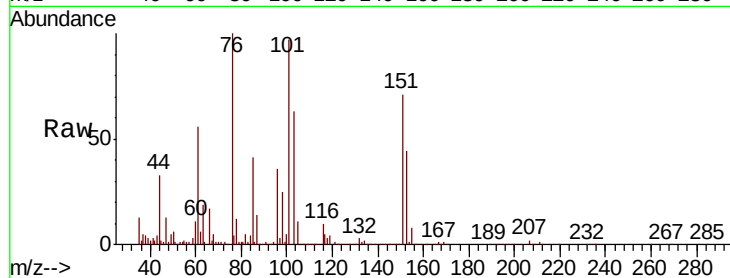
Tot Ion:101 Resp: 245003

Ion Ratio Lower Upper

101 100

85 44.0 35.3 52.9

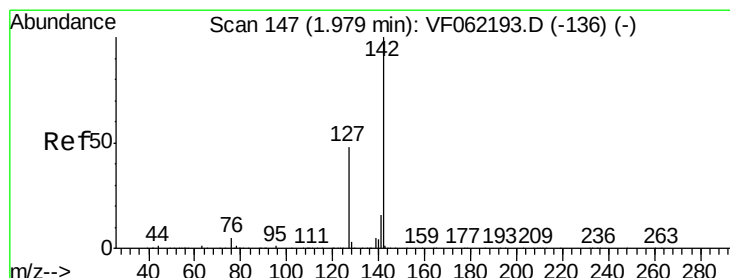
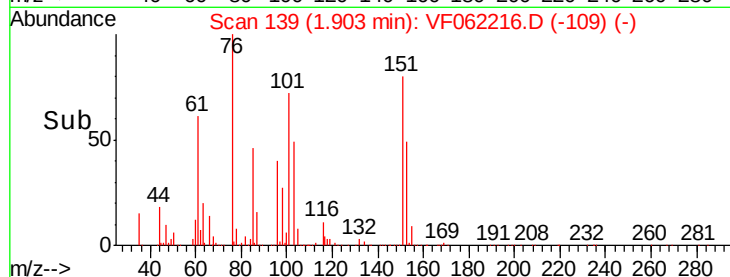
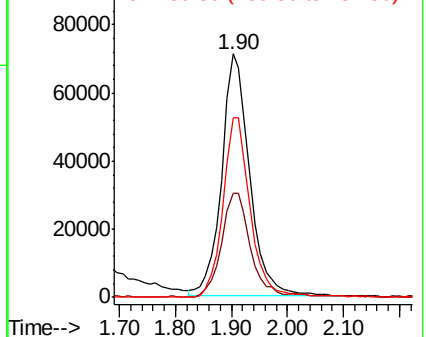
151 72.9 57.5 86.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VF0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 49.483 ug/l

RT: 1.98 min Scan# 147

Delta R.T. 0.00 min

Lab File: VF062216.D

Acq: 18 Apr 2019 21:01

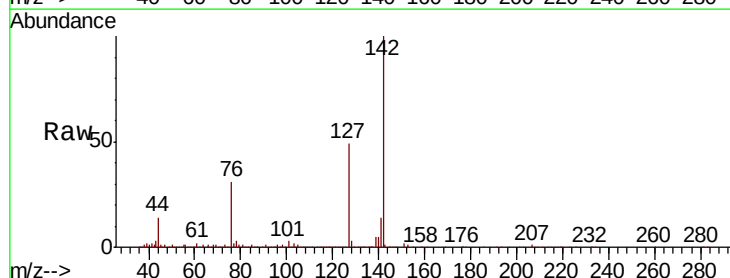
Tgt Ion:142 Resp: 444370

Ion Ratio Lower Upper

142 100

127 49.3 33.0 49.4

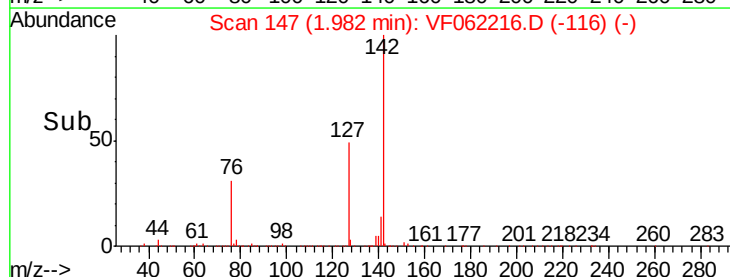
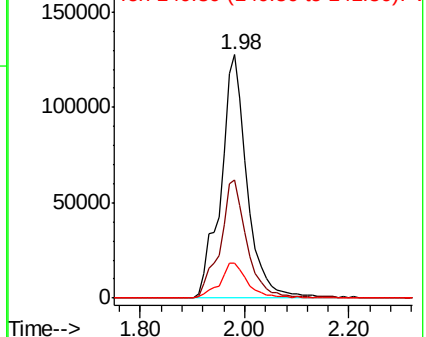
141 14.8 12.7 19.1

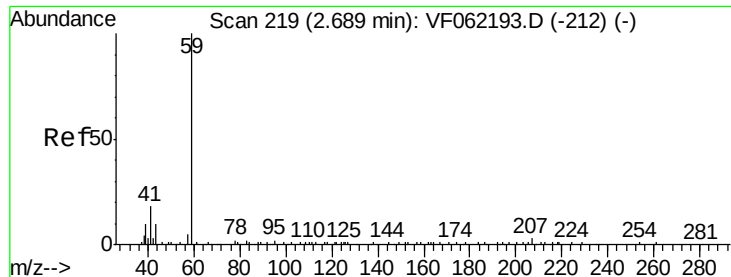


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



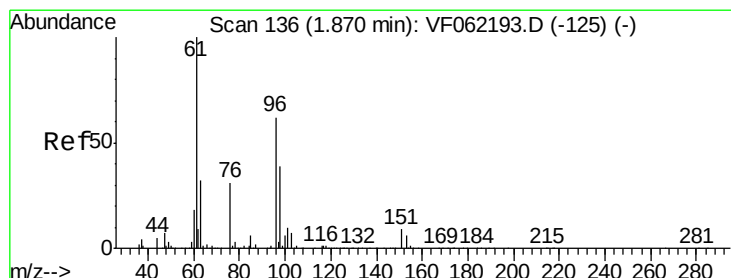
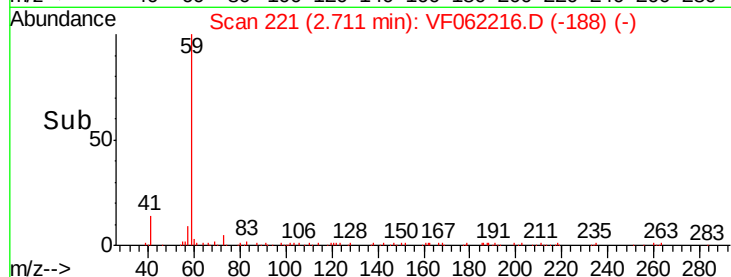
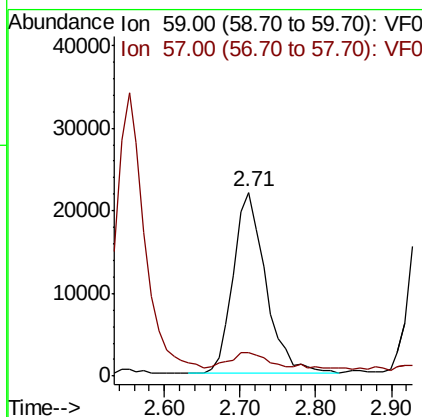
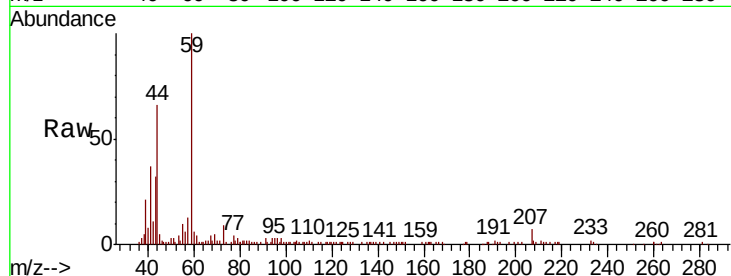


#11

Tert butyl alcohol
Concen: 239.717 ug/l
RT: 2.71 min Scan# 221
Delta R.T. 0.02 min
Lab File: VF062216.D
Acq: 18 Apr 2019 21:01

Instrument :
MSVOA_F
ClientSampled :

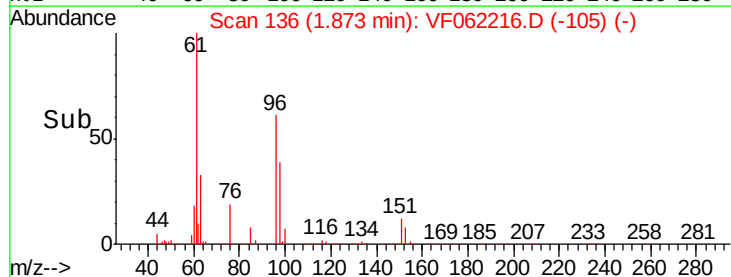
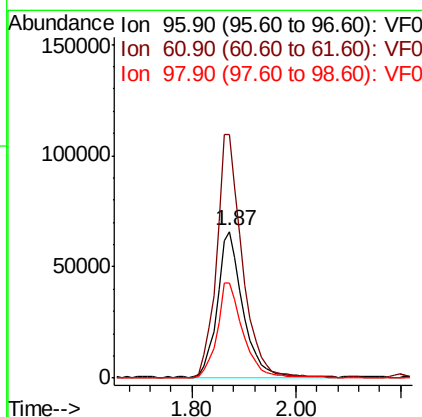
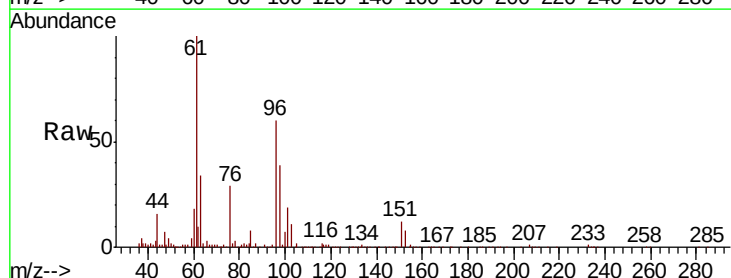
Tot Ion: 59 Resp: 65947
Ion Ratio Lower Upper
59 100
57 9.3 9.3 13.9

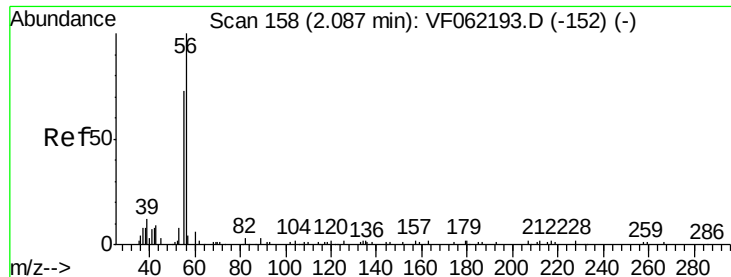


#12

1,1-Dichloroethene
Concen: 45.754 ug/l
RT: 1.87 min Scan# 136
Delta R.T. 0.00 min
Lab File: VF062216.D
Acq: 18 Apr 2019 21:01

Tgt Ion: 96 Resp: 219986
Ion Ratio Lower Upper
96 100
61 167.0 129.1 193.7
98 64.5 50.0 75.0





#13

Acrolein

Concen: 241.871 ug/l

RT: 2.10 min Scan# 159

Delta R.T. 0.01 min

Lab File: VF062216.D

Acq: 18 Apr 2019 21:01

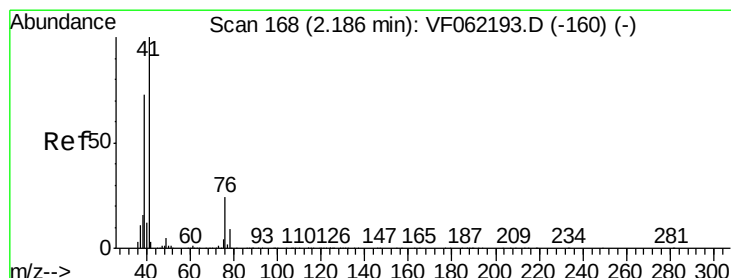
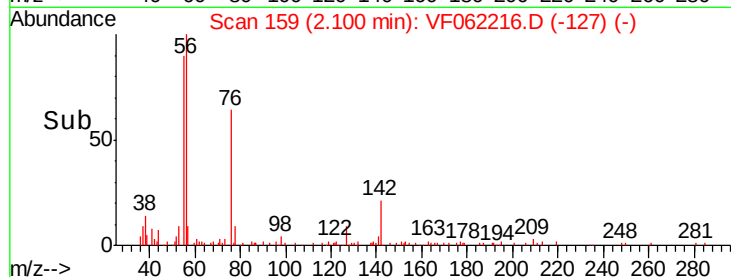
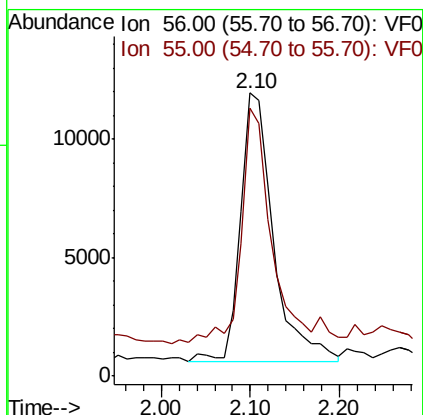
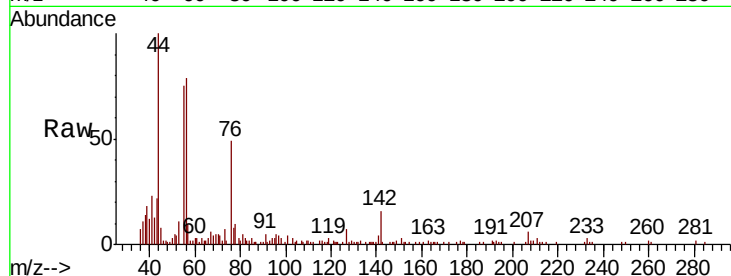
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 56 Resp: 29186

Ion Ratio Lower Upper

56 100

55 81.4 57.4 86.0



#14

Allyl chloride

Concen: 43.232 ug/l

RT: 2.20 min Scan# 169

Delta R.T. 0.01 min

Lab File: VF062216.D

Acq: 18 Apr 2019 21:01

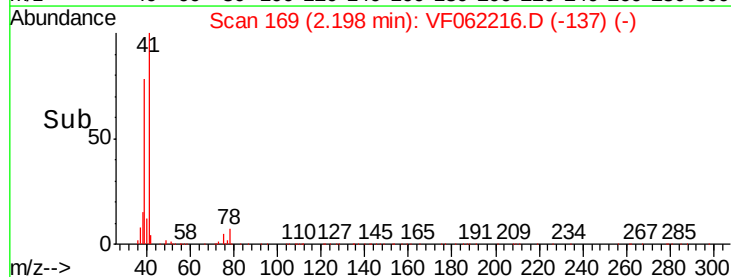
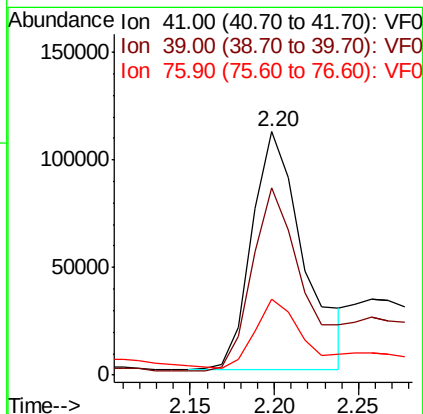
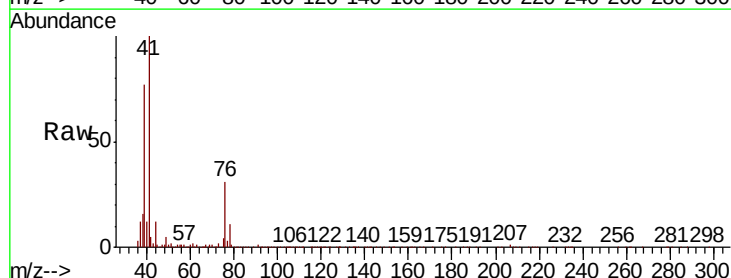
Tgt Ion: 41 Resp: 238545

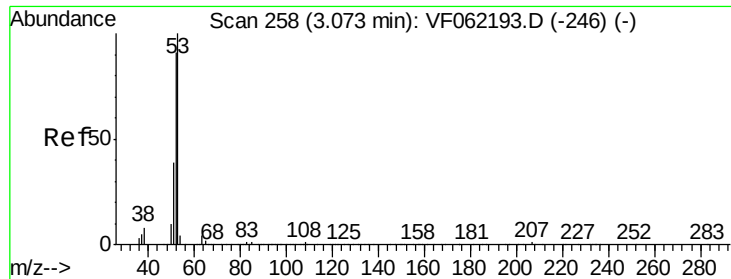
Ion Ratio Lower Upper

41 100

39 74.9 60.0 90.0

76 25.8 20.6 30.8





#15

Acrylonitrile

Concen: 228.074 ug/l

RT: 3.10 min Scan# 260

Delta R.T. 0.02 min

Lab File: VF062216.D

Acq: 18 Apr 2019 21:01

Instrument :

MSVOA_F

ClientSampleId :

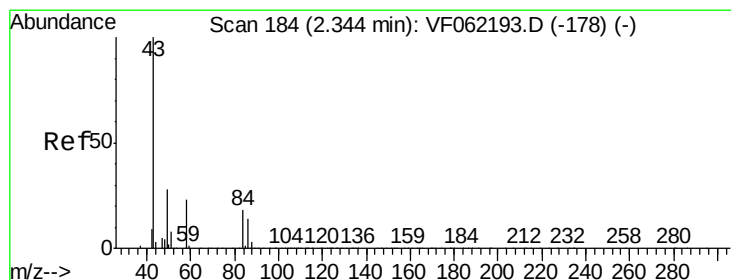
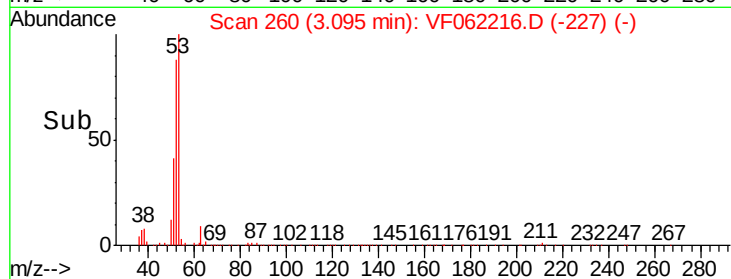
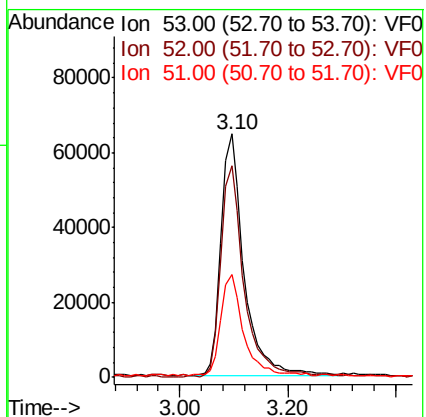
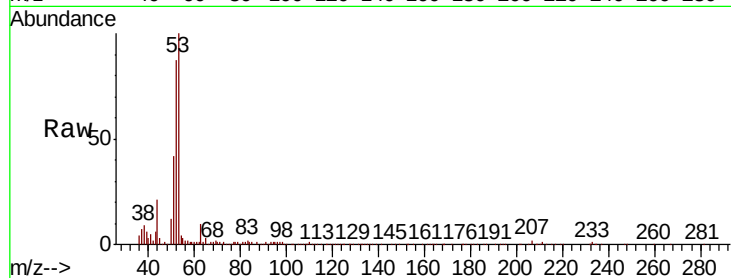
Tot Ion: 53 Resp: 191104

Ion Ratio Lower Upper

53 100

52 87.6 69.5 104.3

51 41.3 31.8 47.8



#16

Acetone

Concen: 235.272 ug/l

RT: 2.36 min Scan# 185

Delta R.T. 0.01 min

Lab File: VF062216.D

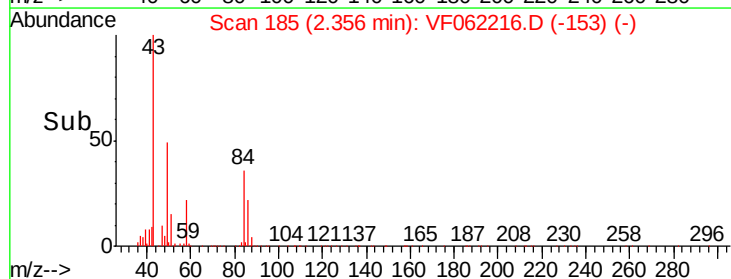
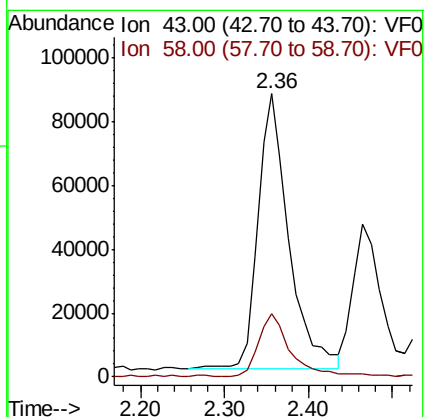
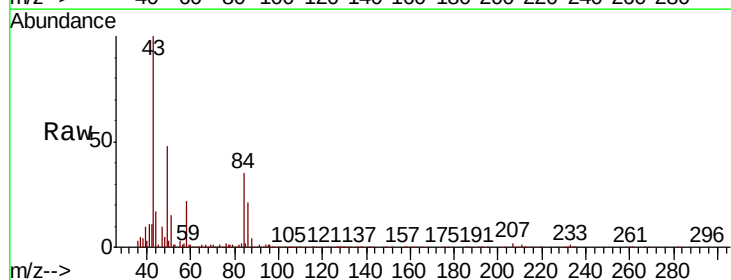
Acq: 18 Apr 2019 21:01

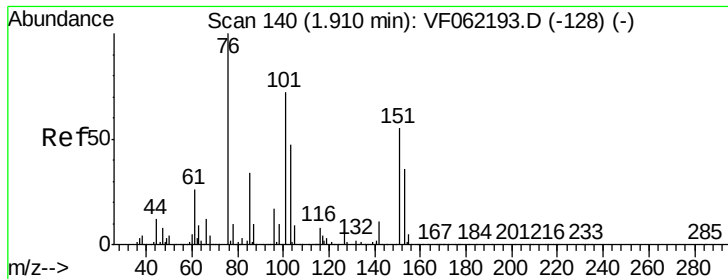
Tgt Ion: 43 Resp: 222566

Ion Ratio Lower Upper

43 100

58 22.5 18.8 28.2

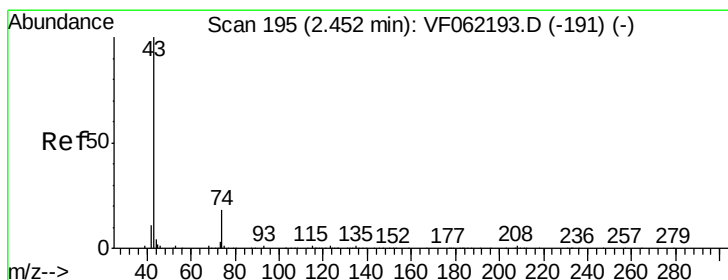
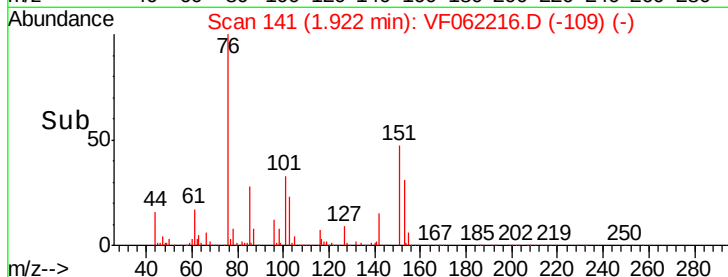
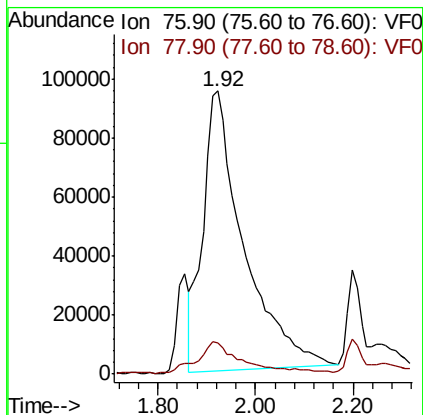
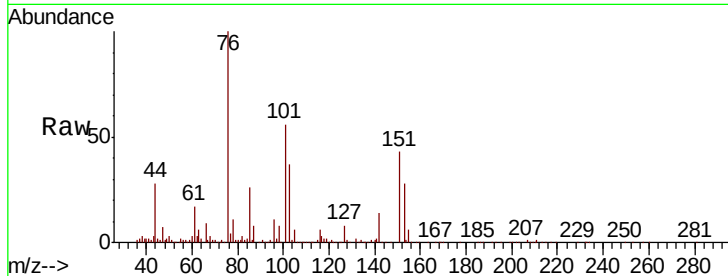




#17
Carbon Disulfide
Concen: 41.102 ug/l
RT: 1.92 min Scan# 141
Delta R.T. 0.01 min
Lab File: VF062216.D
Acq: 18 Apr 2019 21:01

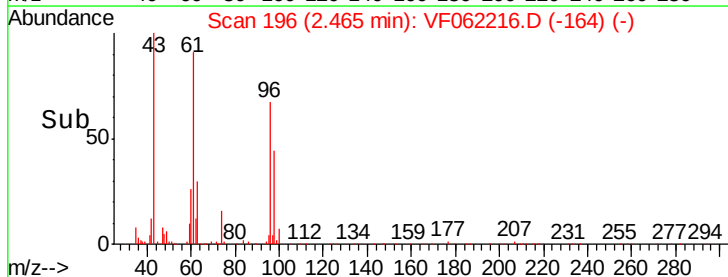
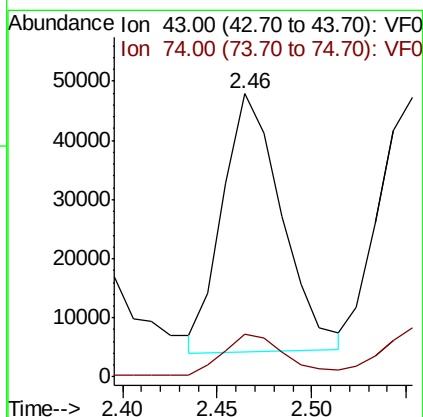
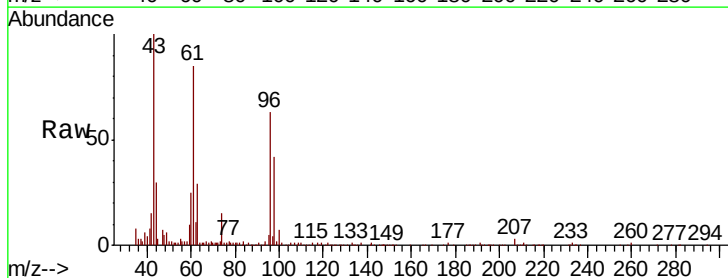
Instrument :
MSVOA_F
ClientSampled :

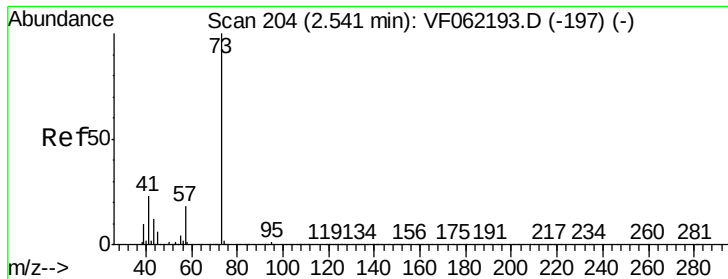
Tot Ion: 76 Resp: 549138
Ion Ratio Lower Upper
76 100
78 10.3 8.7 13.1



#18
Methyl Acetate
Concen: 46.327 ug/l
RT: 2.46 min Scan# 196
Delta R.T. 0.01 min
Lab File: VF062216.D
Acq: 18 Apr 2019 21:01

Tgt Ion: 43 Resp: 95281
Ion Ratio Lower Upper
43 100
74 17.6 14.5 21.7



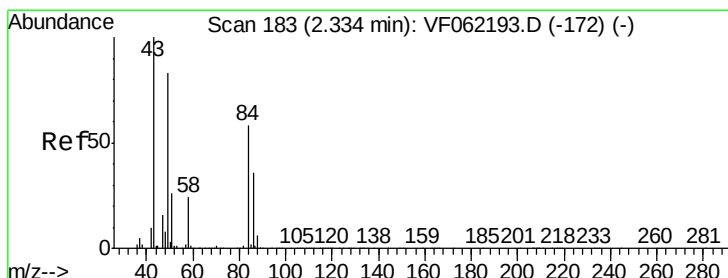
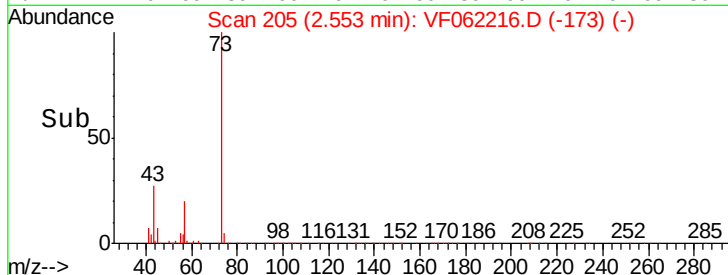
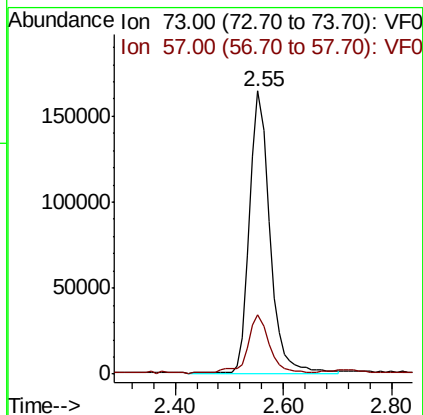
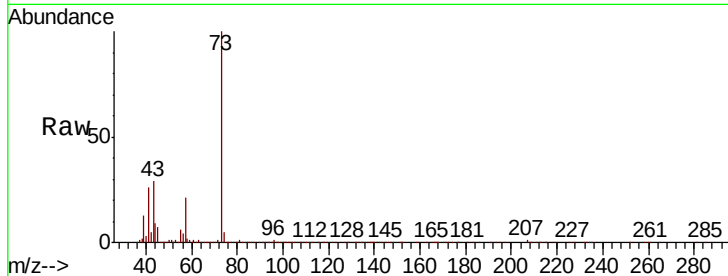


#19

Methyl tert-butyl Ether
 Concen: 50.480 ug/l
 RT: 2.55 min Scan# 205
 Delta R.T. 0.01 min
 Lab File: VF062216.D
 Acq: 18 Apr 2019 21:01

Instrument :
 MSVOA_F
 ClientSampleId :

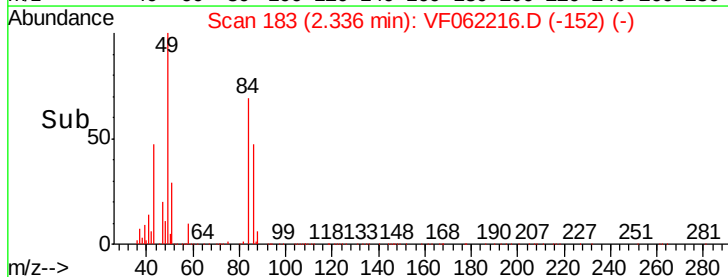
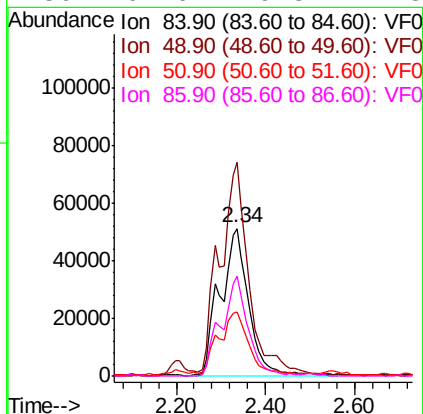
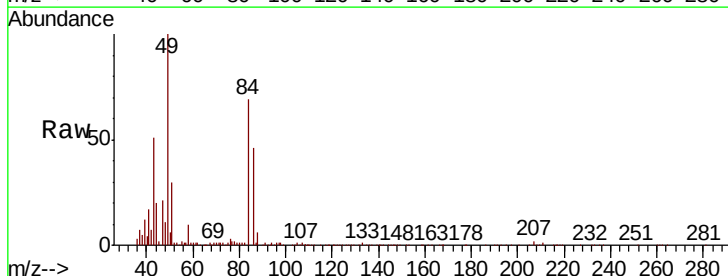
Tot Ion: 73 Resp: 428523
 Ion Ratio Lower Upper
 73 100
 57 20.5 15.1 22.7

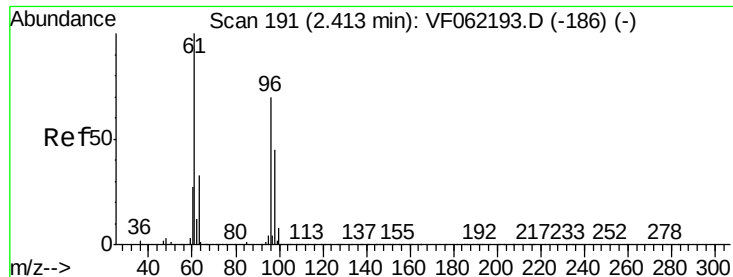


#20

Methylene Chloride
 Concen: 48.639 ug/l
 RT: 2.34 min Scan# 183
 Delta R.T. 0.00 min
 Lab File: VF062216.D
 Acq: 18 Apr 2019 21:01

Tgt Ion: 84 Resp: 226775
 Ion Ratio Lower Upper
 84 100
 49 144.0 114.0 171.0
 51 41.3 37.0 55.4
 86 67.6 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 48.143 ug/l

RT: 2.43 min Scan# 192

Delta R.T. 0.01 min

Lab File: VF062216.D

Acq: 18 Apr 2019 21:01

Instrument :
MSVOA_F
ClientSampled :

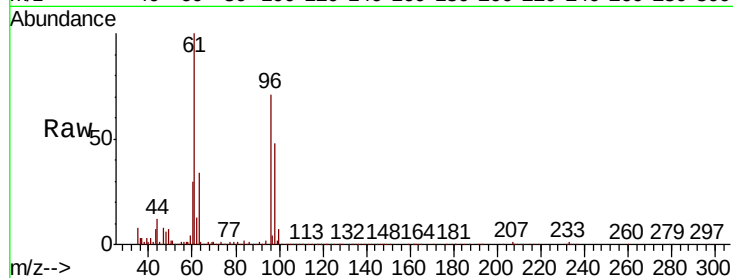
Tot Ion: 96 Resp: 228908

Ion Ratio Lower Upper

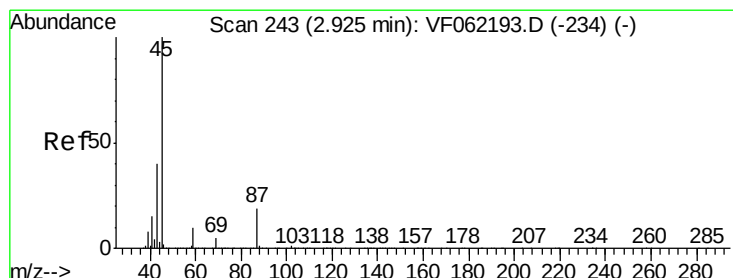
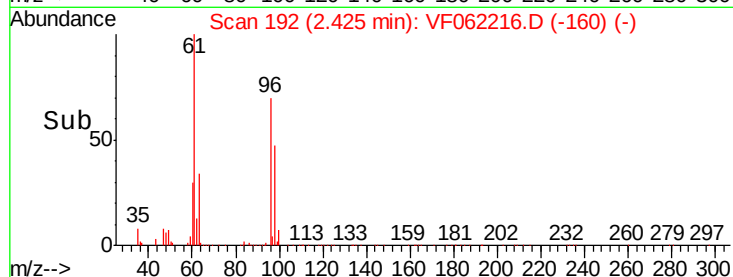
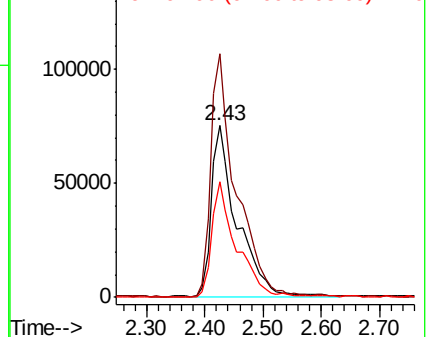
96 100

61 142.1 114.6 172.0

98 67.3 51.2 76.8



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



#22

Diisopropyl ether

Concen: 47.835 ug/l

RT: 2.95 min Scan# 245

Delta R.T. 0.02 min

Lab File: VF062216.D

Acq: 18 Apr 2019 21:01

Tgt Ion: 45 Resp: 675175

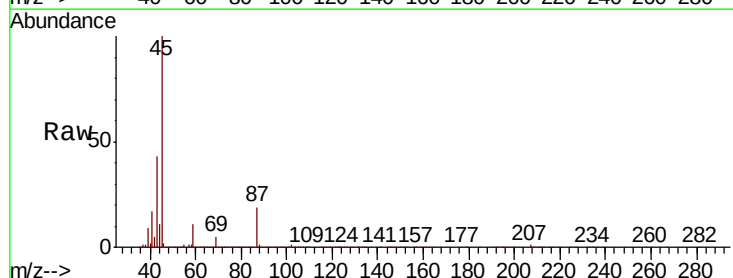
Ion Ratio Lower Upper

45 100

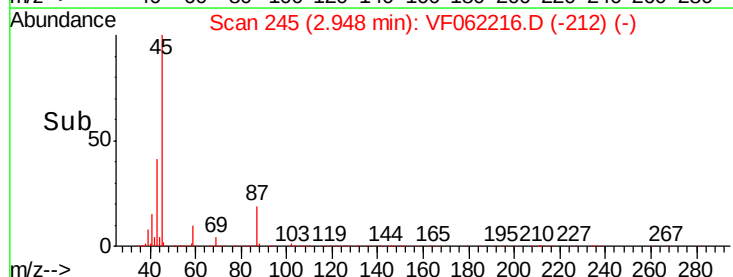
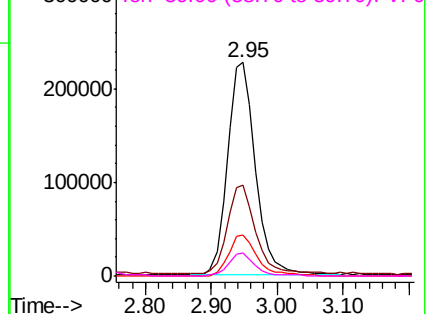
43 41.3 32.8 49.2

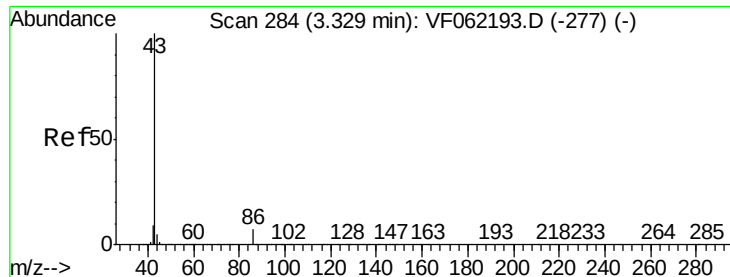
87 19.0 15.2 22.8

59 10.4 7.8 11.6



Abundance Ion 45.00 (44.70 to 45.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 87.00 (86.70 to 87.70): VF0
Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 246.856 ug/l

RT: 3.35 min Scan# 286

Delta R.T. 0.02 min

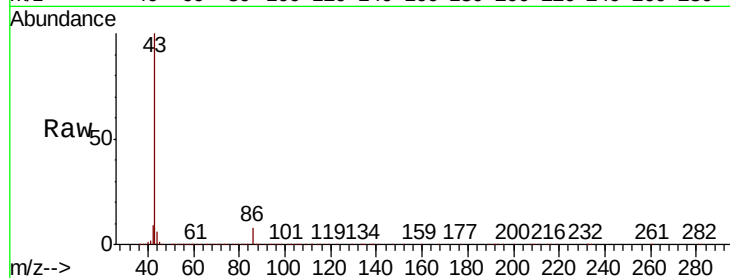
Lab File: VF062216.D

Acq: 18 Apr 2019 21:01

Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 1660071

Ion	Ratio	Lower	Upper
43	100		
86	7.7	5.9	8.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.35

600000

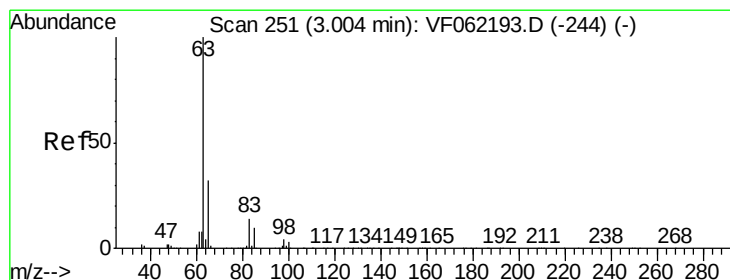
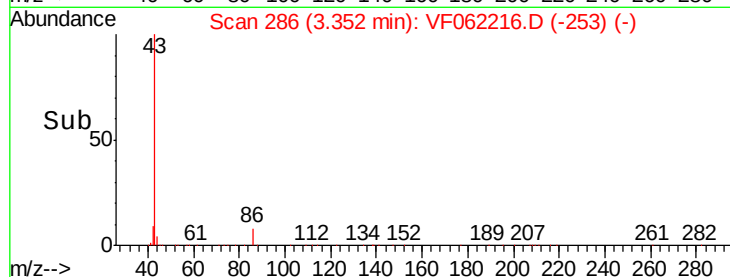
400000

200000

0

Time-->

3.20 3.40 3.60



#24

1,1-Dichloroethane

Concen: 48.746 ug/l

RT: 3.02 min Scan# 252

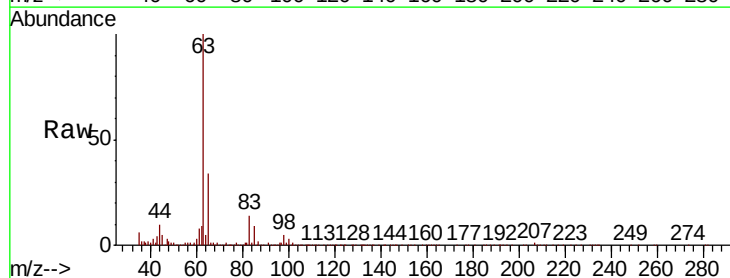
Delta R.T. 0.01 min

Lab File: VF062216.D

Acq: 18 Apr 2019 21:01

Tgt Ion: 63 Resp: 376373

Ion	Ratio	Lower	Upper
63	100		
98	4.7	2.3	6.8
100	3.0	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

3.02

150000

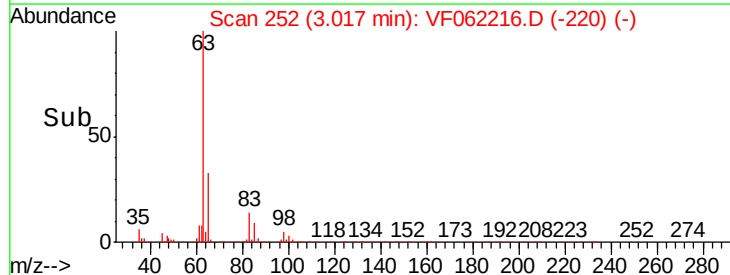
100000

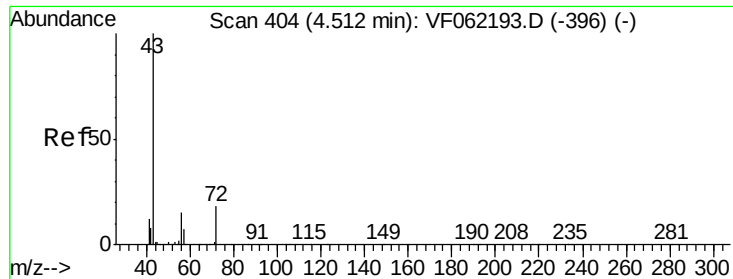
50000

0

Time-->

2.80 3.00 3.20

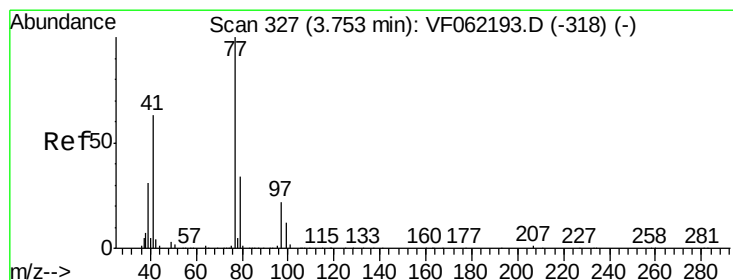
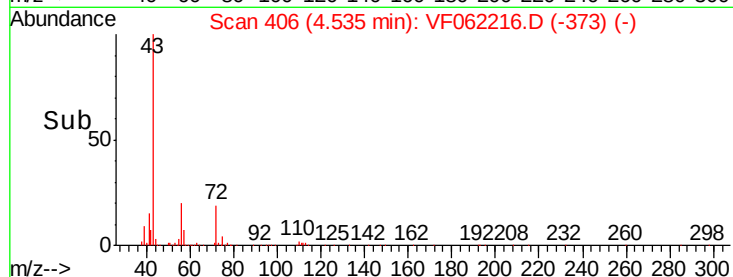
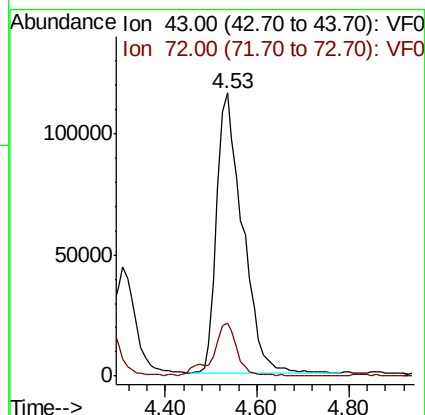
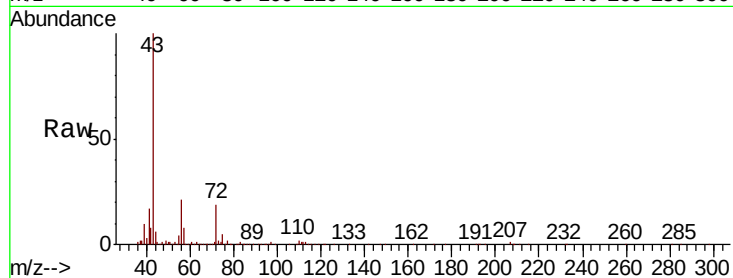




#25
2-Butanone
Concen: 237.977 ug/l
RT: 4.53 min Scan# 406
Delta R.T. 0.02 min
Lab File: VF062216.D
Acq: 18 Apr 2019 21:01

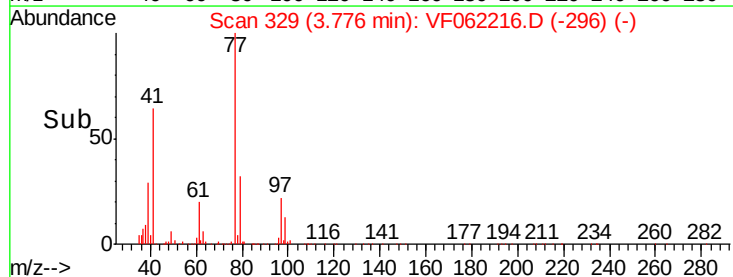
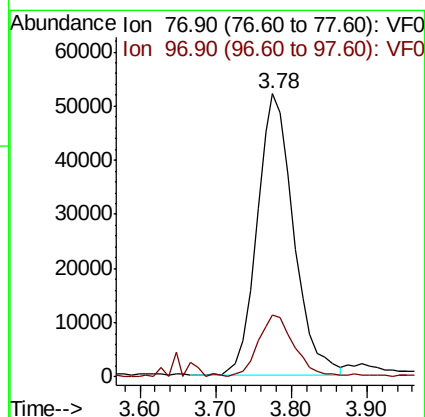
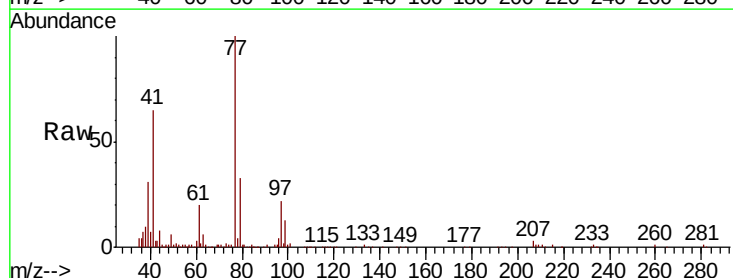
Instrument :
MSVOA_F
ClientSampleId :

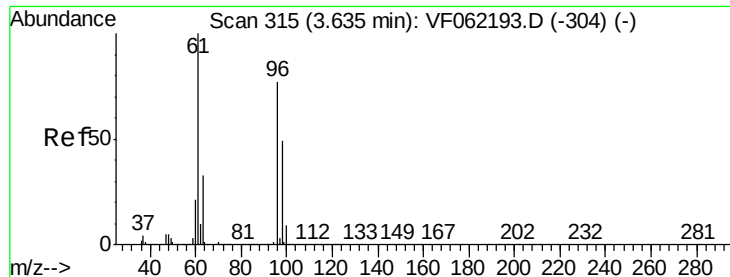
Tot Ion: 43 Resp: 450145
Ion Ratio Lower Upper
43 100
72 18.9 16.1 24.1



#26
2,2-Dichloropropane
Concen: 44.561 ug/l
RT: 3.78 min Scan# 329
Delta R.T. 0.02 min
Lab File: VF062216.D
Acq: 18 Apr 2019 21:01

Tgt Ion: 77 Resp: 173709
Ion Ratio Lower Upper
77 100
97 21.9 11.1 33.3



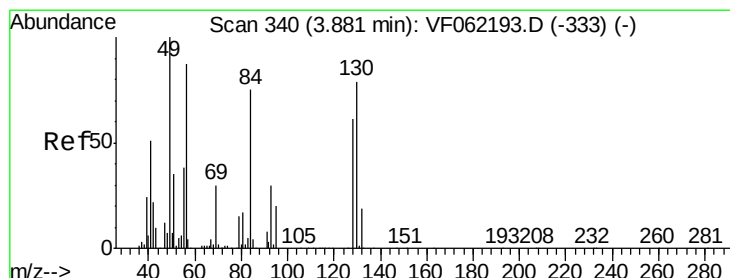
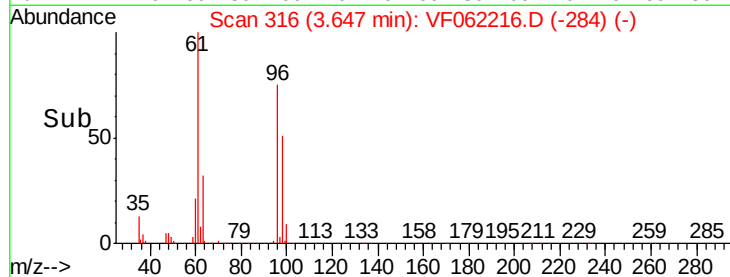
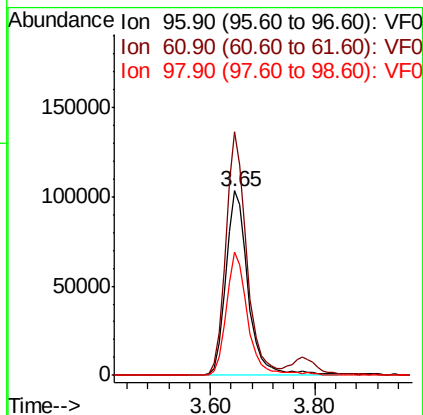
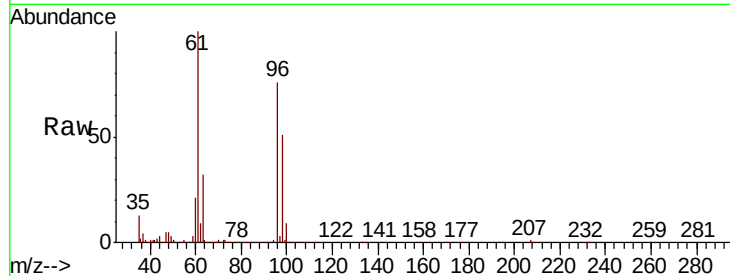


#27

cis-1,2-Dichloroethene
Concen: 48.607 ug/l
RT: 3.65 min Scan# 316
Delta R.T. 0.01 min
Lab File: VF062216.D
Acq: 18 Apr 2019 21:01

Instrument :
MSVOA_F
ClientSampled :

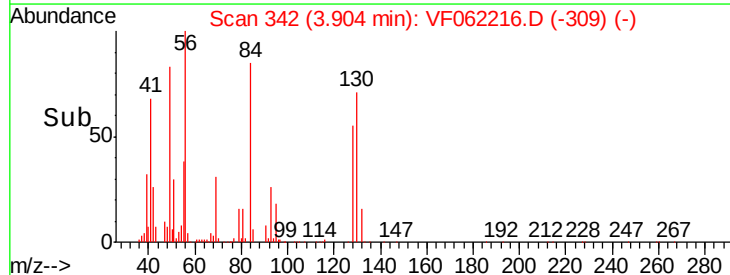
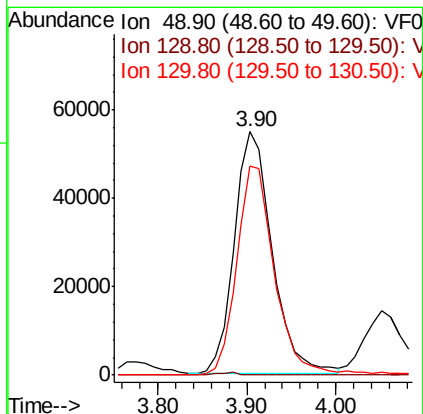
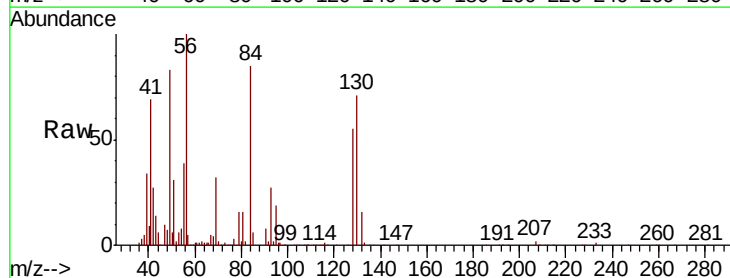
Tot Ion	Ratio	Lower	Upper
96	100		
61	123.7	0.0	253.6
98	63.4	0.0	124.8

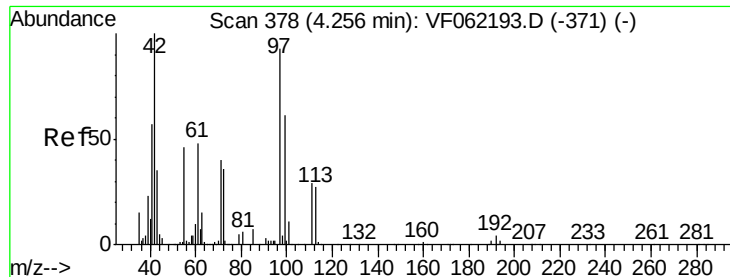


#28

Bromochloromethane
Concen: 43.943 ug/l
RT: 3.90 min Scan# 342
Delta R.T. 0.02 min
Lab File: VF062216.D
Acq: 18 Apr 2019 21:01

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.6	0.0	0.0#
130	86.8	66.6	100.0

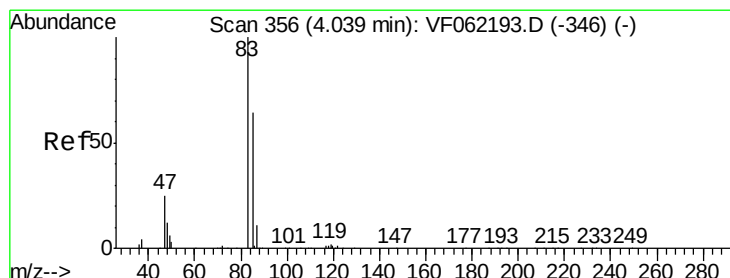
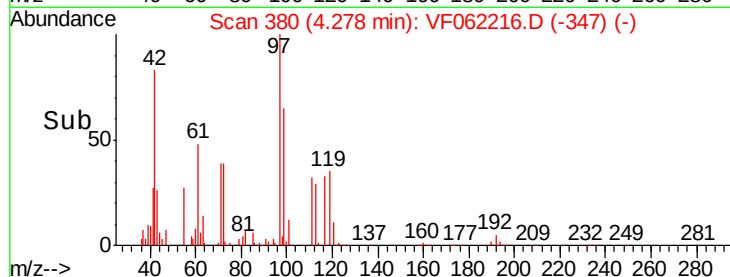
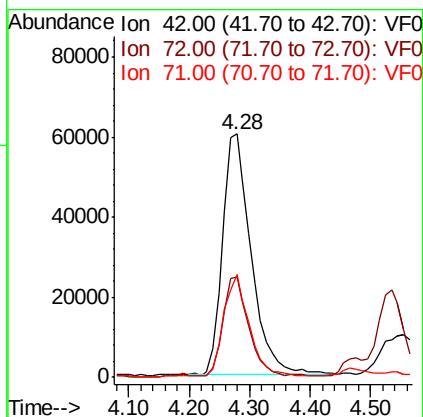
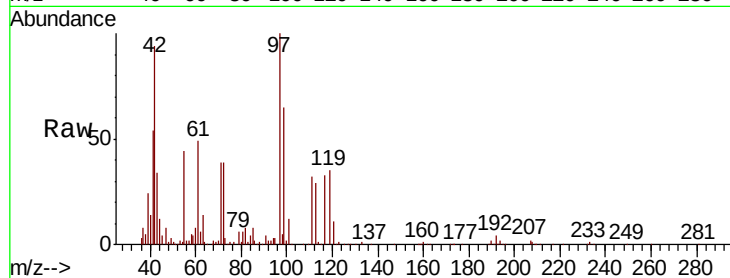




#29
Tetrahydrofuran
Concen: 229.123 ug/l
RT: 4.28 min Scan# 380
Delta R.T. 0.02 min
Lab File: VF062216.D
Acq: 18 Apr 2019 21:01

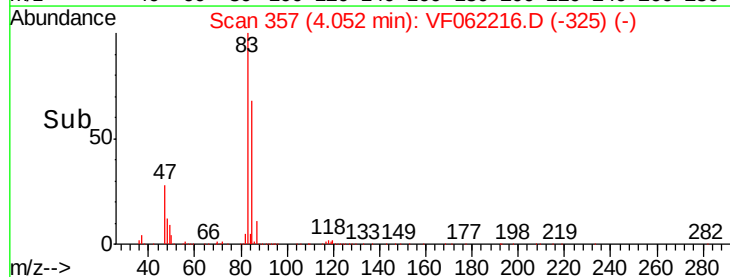
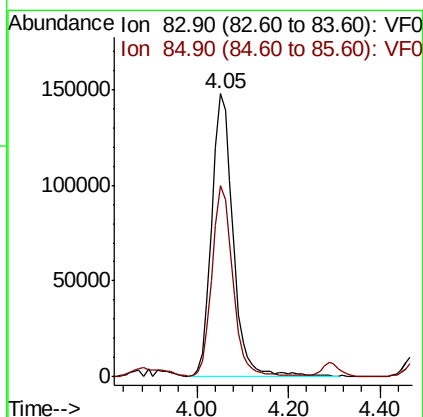
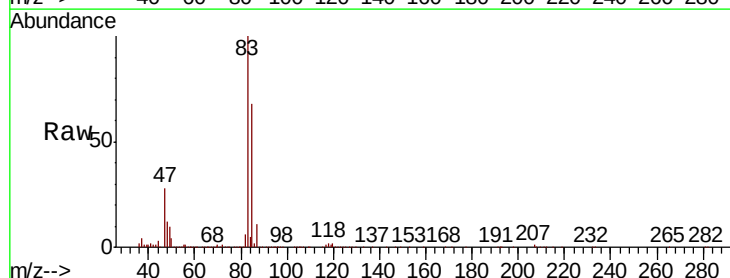
Instrument :
MSVOA_F
ClientSampleId :

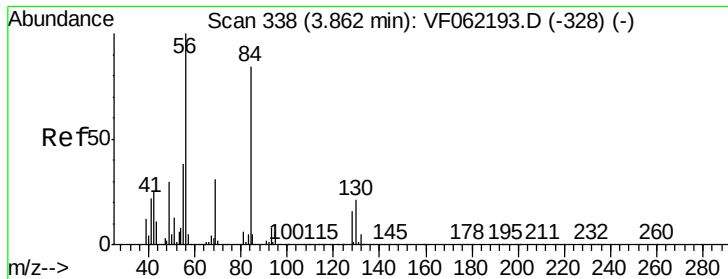
Tot Ion	Ratio	Lower	Upper
42	100		
72	37.9	28.6	43.0
71	37.5	29.2	43.8



#30
Chloroform
Concen: 50.100 ug/l
RT: 4.05 min Scan# 357
Delta R.T. 0.01 min
Lab File: VF062216.D
Acq: 18 Apr 2019 21:01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.3	51.8	77.8

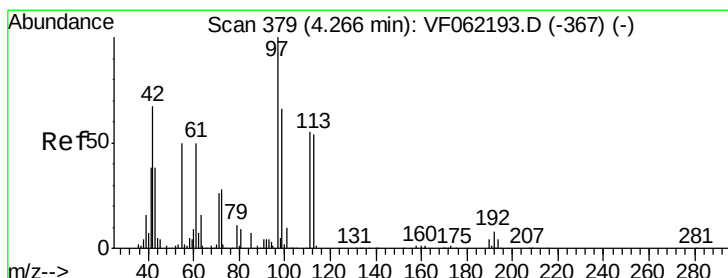
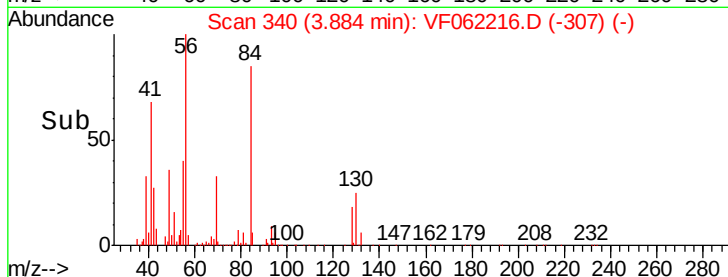
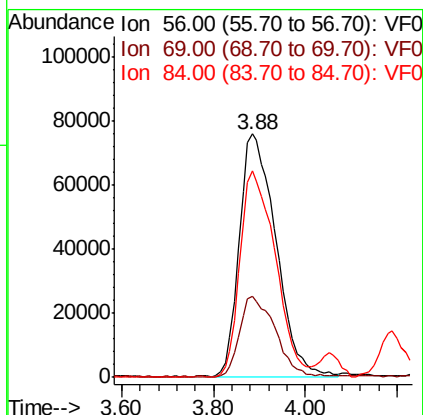
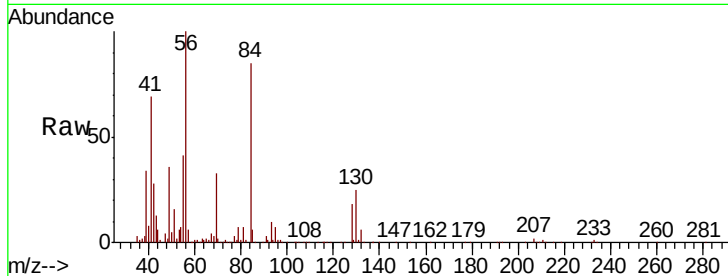




#31
Cyclohexane
Concen: 45.431 ug/l
RT: 3.88 min Scan# 340
Delta R.T. 0.02 min
Lab File: VF062216.D
Acq: 18 Apr 2019 21:01

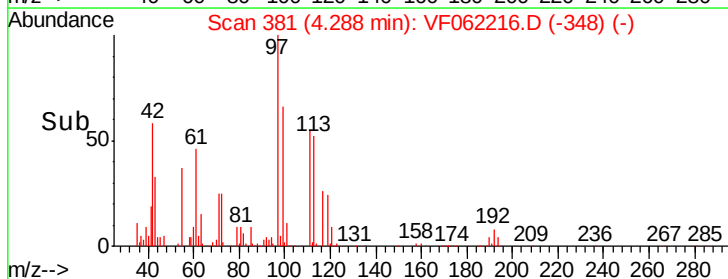
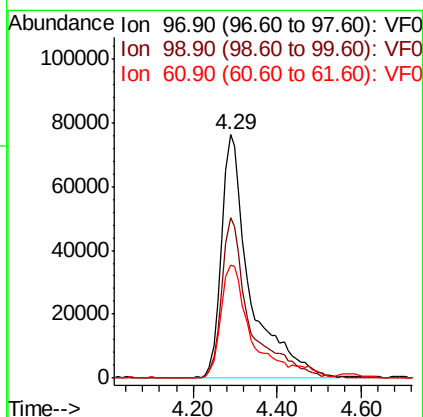
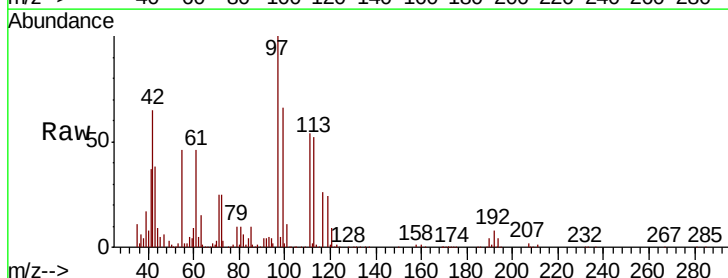
Instrument :
MSVOA_F
ClientSampleId :

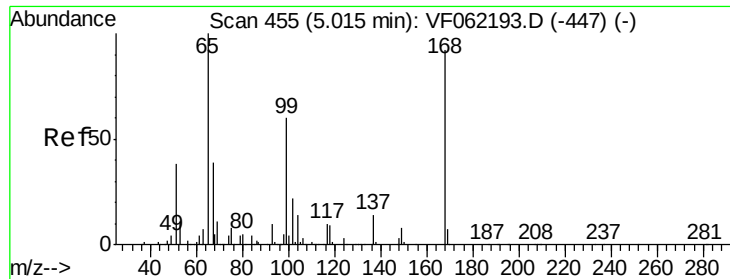
Tot Ion: 56 Resp: 420371
Ion Ratio Lower Upper
56 100
69 32.9 25.1 37.7
84 84.6 67.8 101.6



#32
1,1,1-Trichloroethane
Concen: 52.140 ug/l
RT: 4.29 min Scan# 381
Delta R.T. 0.02 min
Lab File: VF062216.D
Acq: 18 Apr 2019 21:01

Tgt Ion: 97 Resp: 362153
Ion Ratio Lower Upper
97 100
99 64.6 52.7 79.1
61 51.2 53.0 79.4#

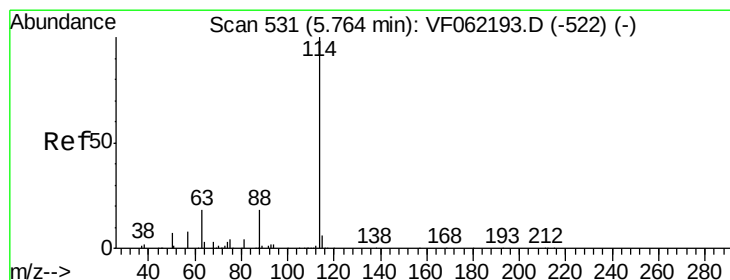
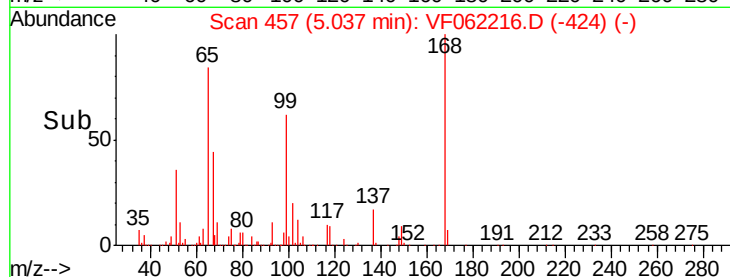
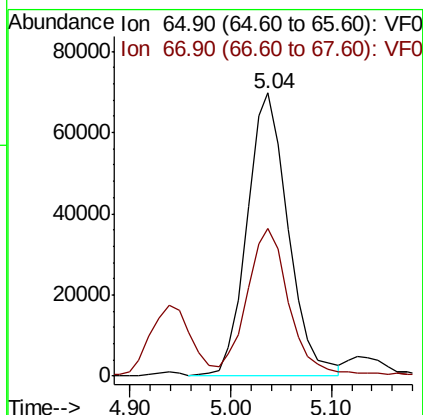
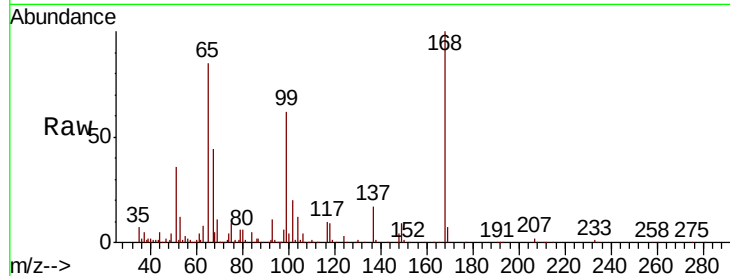




#33
 1,2-Dichloroethane-d4
 Concen: 50.036 ug/l
 RT: 5.04 min Scan# 457
 Delta R.T. 0.02 min
 Lab File: VF062216.D
 Acq: 18 Apr 2019 21:01

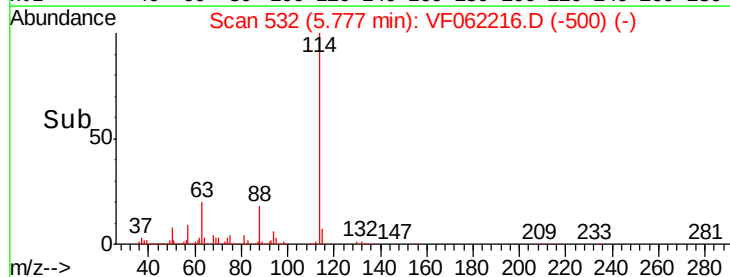
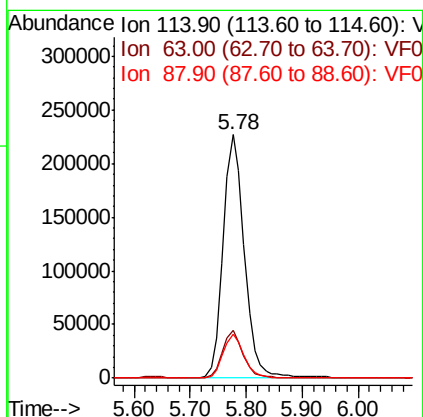
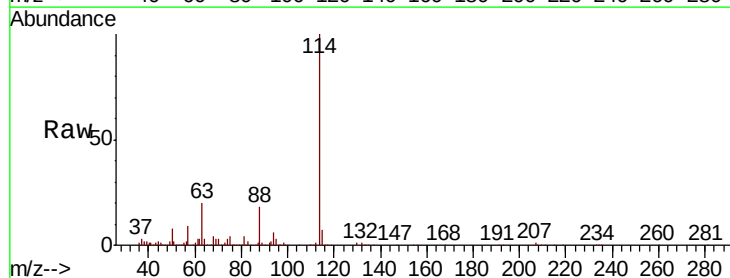
Instrument :
 MSVOA_F
 ClientSampleId :

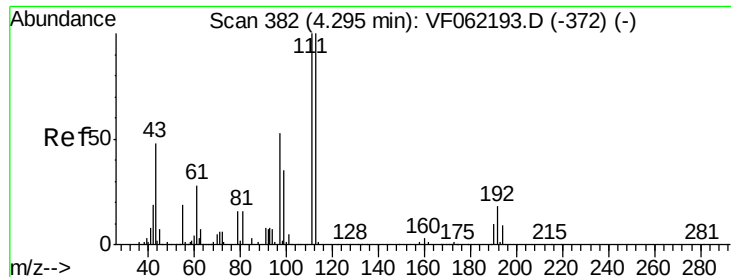
Tot Ion: 65 Resp: 198028
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.78 min Scan# 532
 Delta R.T. 0.01 min
 Lab File: VF062216.D
 Acq: 18 Apr 2019 21:01

Tgt Ion: 114 Resp: 600278
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 36.6
 88 18.0 0.0 35.8

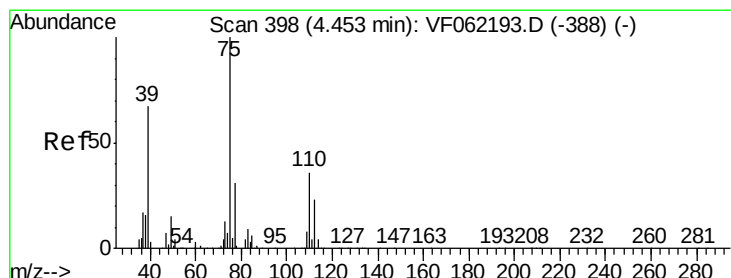
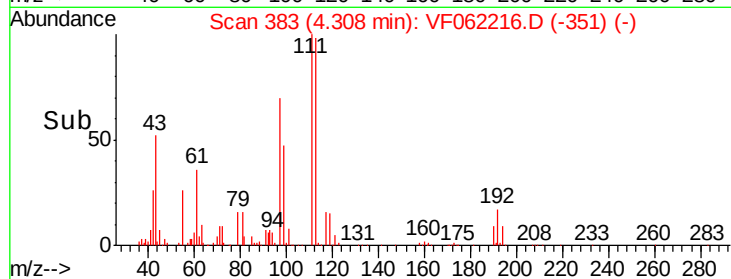
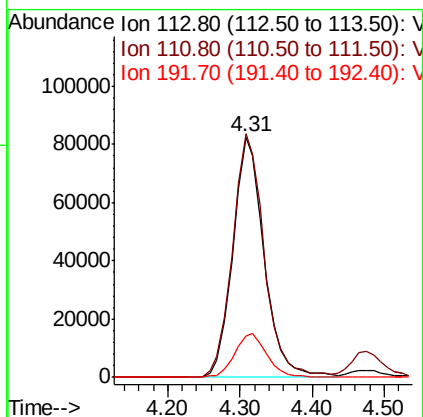
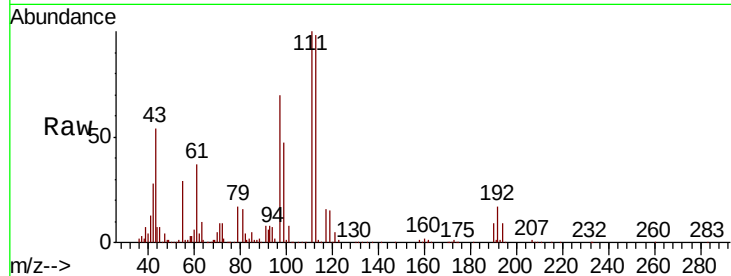




#35
 Dibromofluoromethane
 Concen: 47.490 ug/l
 RT: 4.31 min Scan# 383
 Delta R.T. 0.01 min
 Lab File: VF062216.D
 Acq: 18 Apr 2019 21:01

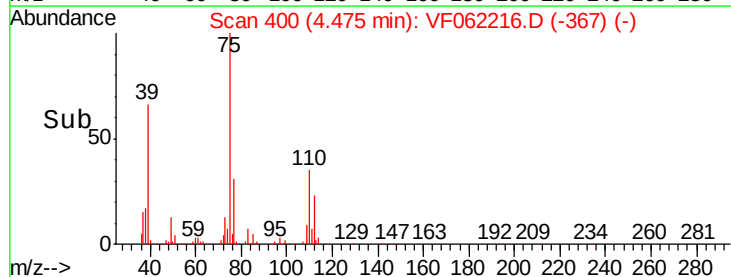
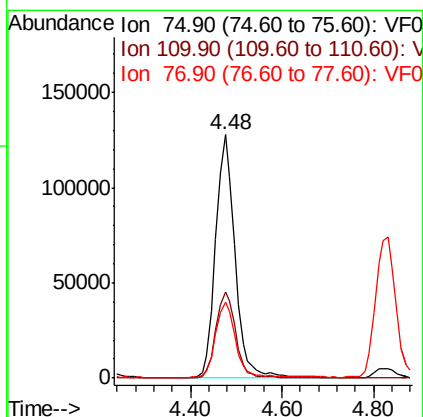
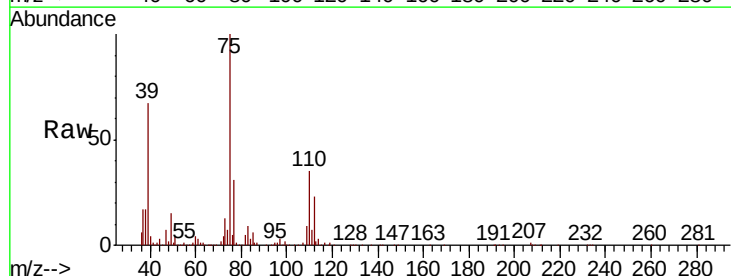
Instrument :
 MSVOA_F
 ClientSampleId :

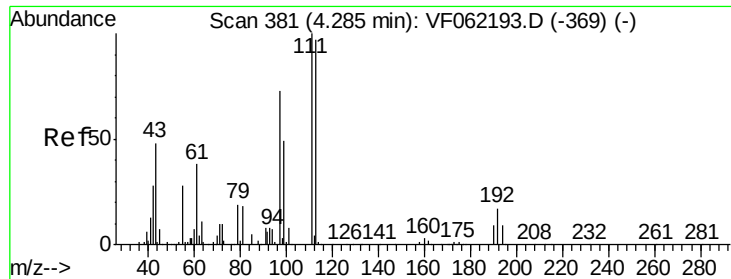
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.1	81.1	121.7
192	19.3	14.7	22.1



#36
 1,1-Dichloropropene
 Concen: 52.023 ug/l
 RT: 4.48 min Scan# 400
 Delta R.T. 0.02 min
 Lab File: VF062216.D
 Acq: 18 Apr 2019 21:01

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.0	18.4	55.2
77	32.1	25.4	38.2

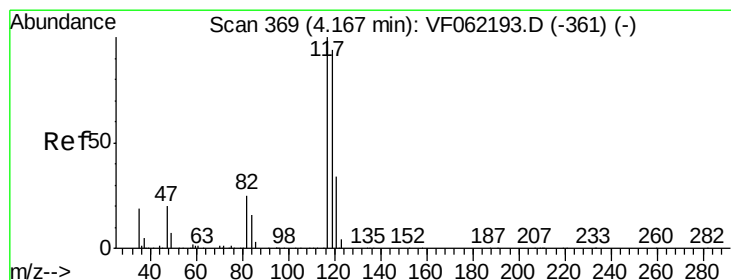
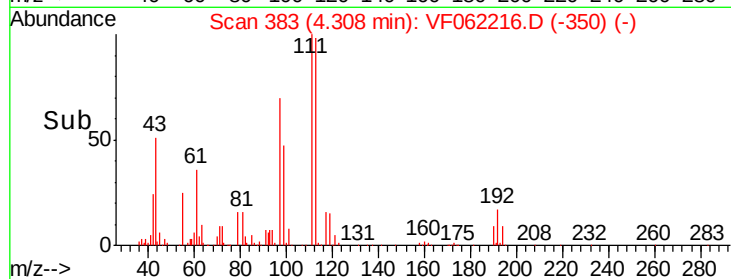
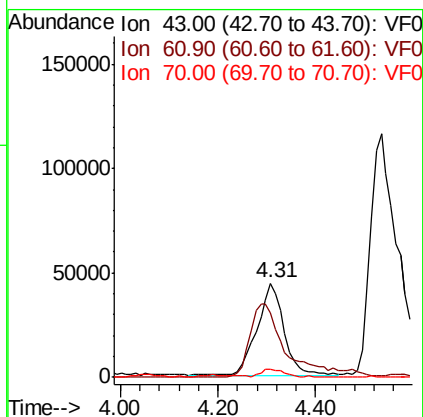
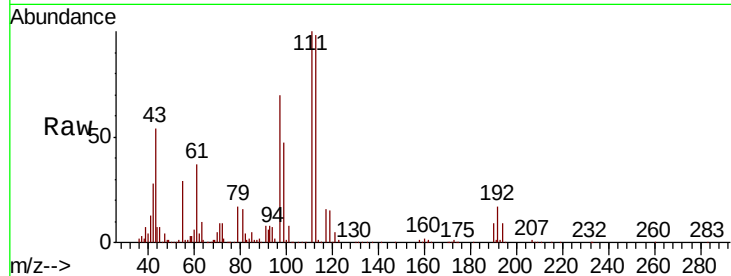




#37
Ethyl Acetate
Concen: 49.155 ug/l
RT: 4.31 min Scan# 383
Delta R.T. 0.02 min
Lab File: VF062216.D
Acq: 18 Apr 2019 21:01

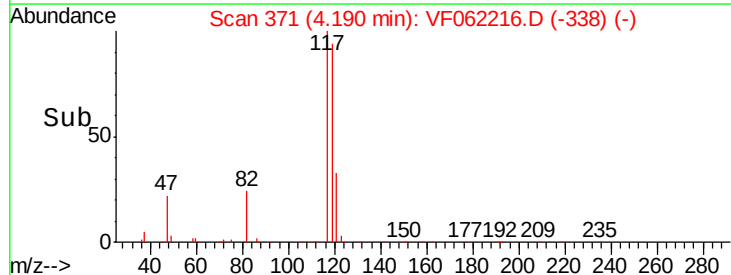
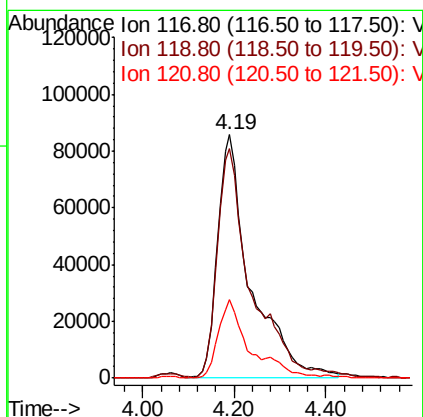
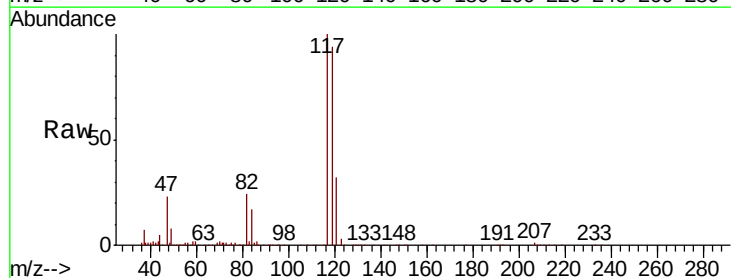
Instrument :
MSVOA_F
ClientSampleId :

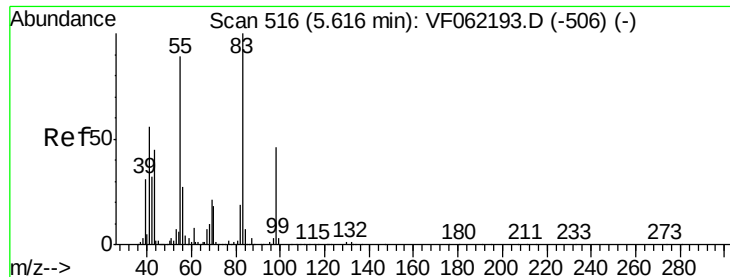
Tot Ion: 43 Resp: 166938
Ion Ratio Lower Upper
43 100
61 111.1 0.0 0.0#
70 8.2 7.8 11.6



#38
Carbon Tetrachloride
Concen: 66.210 ug/l
RT: 4.19 min Scan# 371
Delta R.T. 0.02 min
Lab File: VF062216.D
Acq: 18 Apr 2019 21:01

Tgt Ion: 117 Resp: 421779
Ion Ratio Lower Upper
117 100
119 94.1 75.0 112.4
121 32.4 26.9 40.3

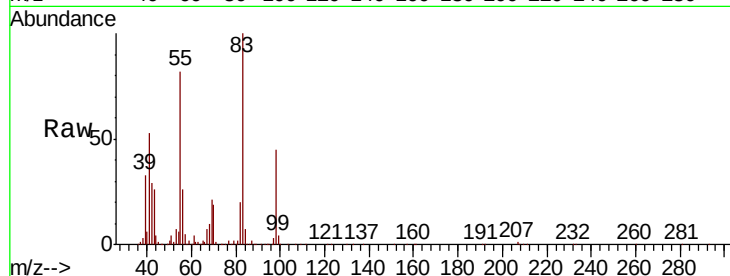




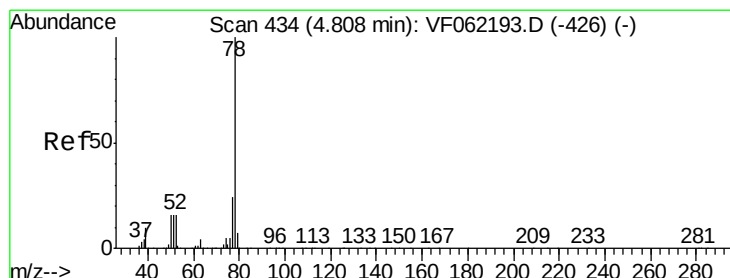
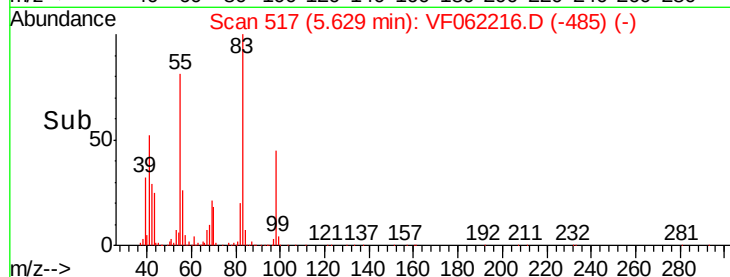
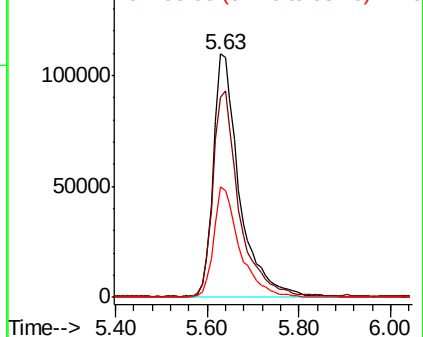
#39
Methylvlcyclohexane
Concen: 49.797 ug/l
RT: 5.63 min Scan# 517
Delta R.T. 0.01 min
Lab File: VF062216.D
Acq: 18 Apr 2019 21:01

Instrument :
MSVOA_F
ClientSampled :

Tot Ion	83	Resp	429104
Ion Ratio	Lower	Upper	
83	100		
55	81.6	71.0	106.6
98	45.4	36.7	55.1

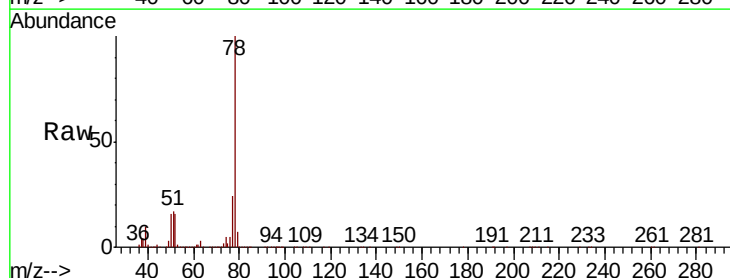


Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0

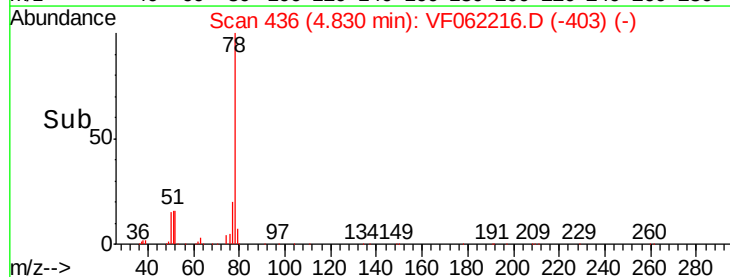
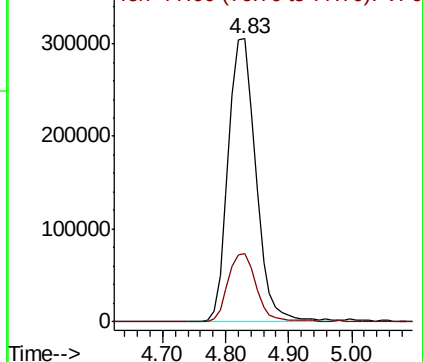


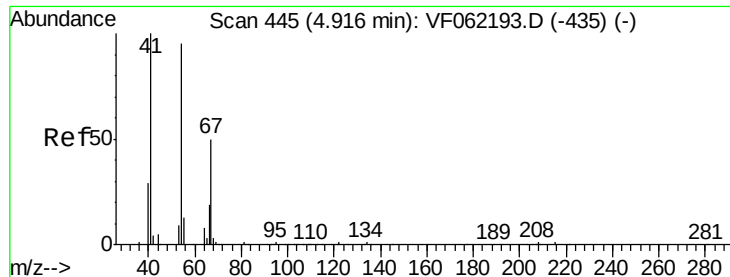
#40
Benzene
Concen: 49.566 ug/l
RT: 4.83 min Scan# 436
Delta R.T. 0.02 min
Lab File: VF062216.D
Acq: 18 Apr 2019 21:01

Tgt Ion	78	Resp	935671
Ion Ratio	Lower	Upper	
78	100		
77	24.0	18.9	28.3



Abundance Ion 78.00 (77.70 to 78.70): VF0
Ion 77.00 (76.70 to 77.70): VF0





#41

Methacrylonitrile

Concen: 45.931 ug/l

RT: 4.94 min Scan# 447

Delta R.T. 0.02 min

Lab File: VF062216.D

Acq: 18 Apr 2019 21:01

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion: 41 Resp: 89977

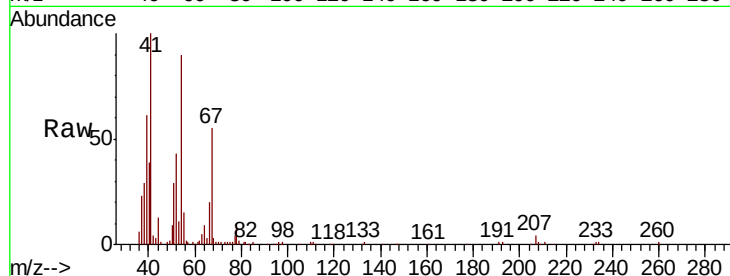
Ion Ratio Lower Upper

41 100

39 59.4 44.7 67.1

67 55.0 39.1 58.7

52 61.1 49.8 74.8

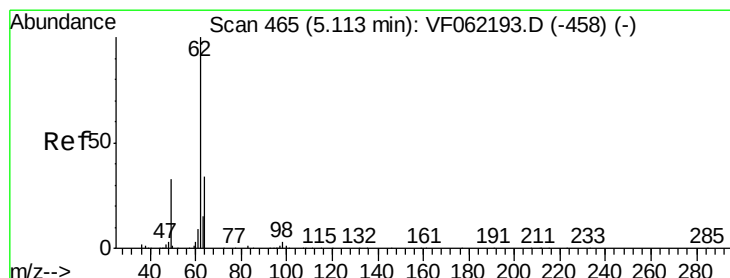
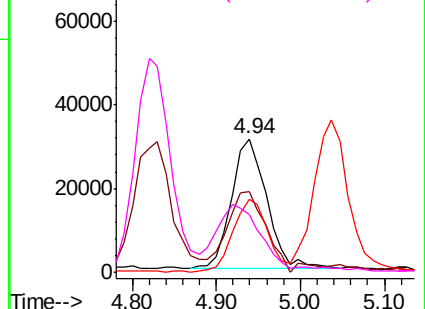
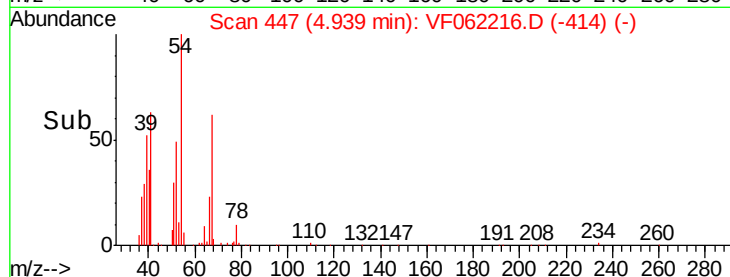


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 52.460 ug/l

RT: 5.14 min Scan# 467

Delta R.T. 0.02 min

Lab File: VF062216.D

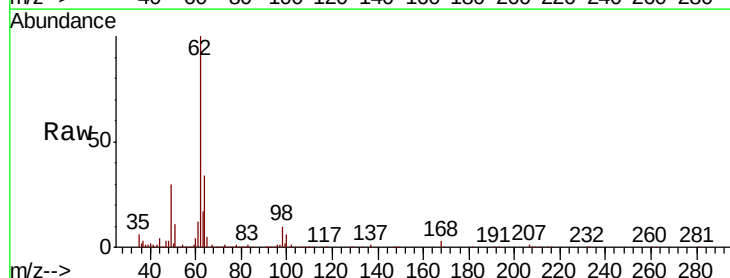
Acq: 18 Apr 2019 21:01

Tgt Ion: 62 Resp: 261800

Ion Ratio Lower Upper

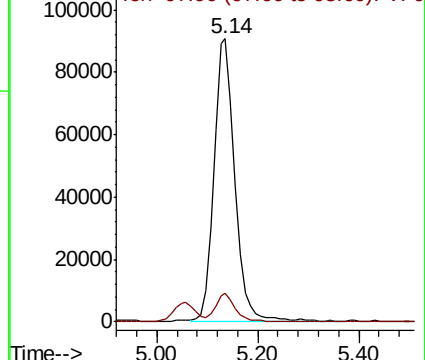
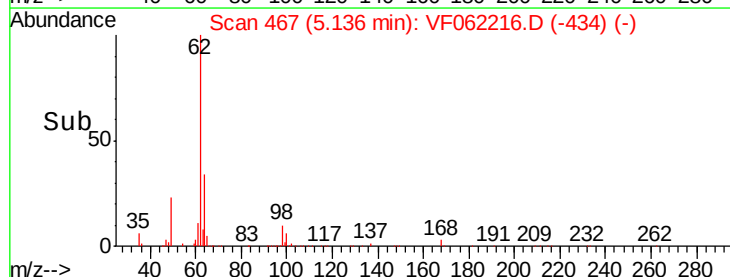
62 100

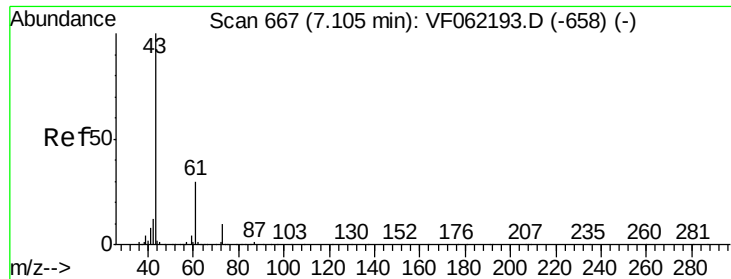
98 9.2 0.0 19.0



Abundance Ion 61.90 (61.60 to 62.60): VF0

Ion 97.90 (97.60 to 98.60): VF0

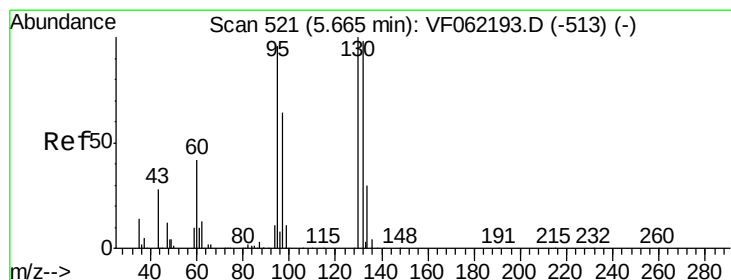
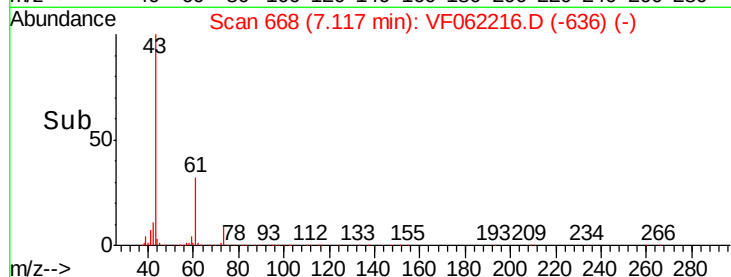
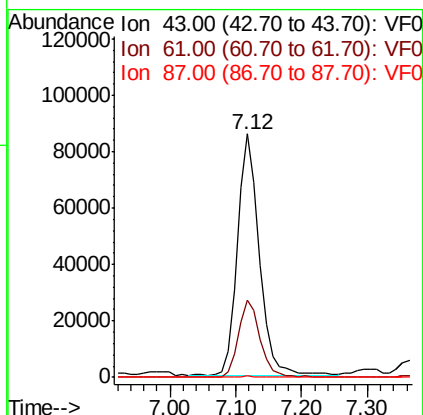
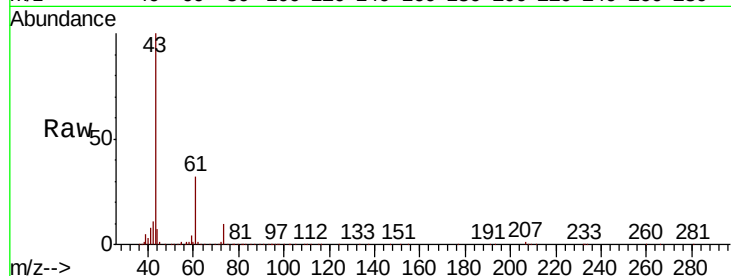




#43
Isopropyl Acetate
Concen: 55.404 ug/l
RT: 7.12 min Scan# 668
Delta R.T. 0.01 min
Lab File: VF062216.D
Acq: 18 Apr 2019 21:01

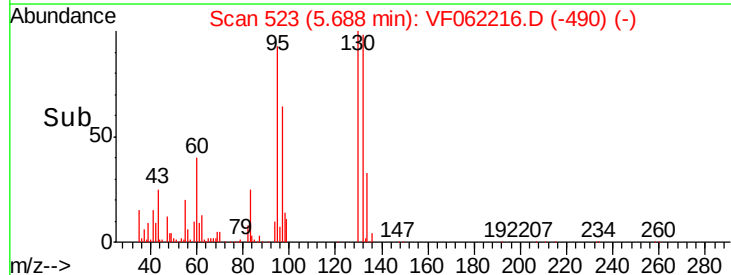
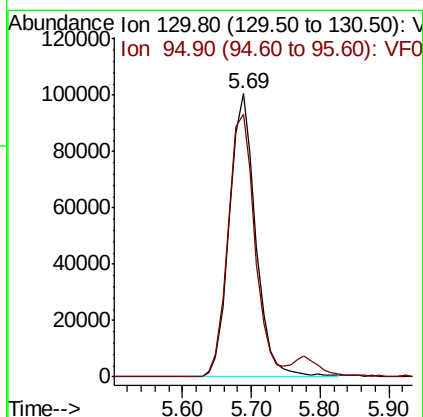
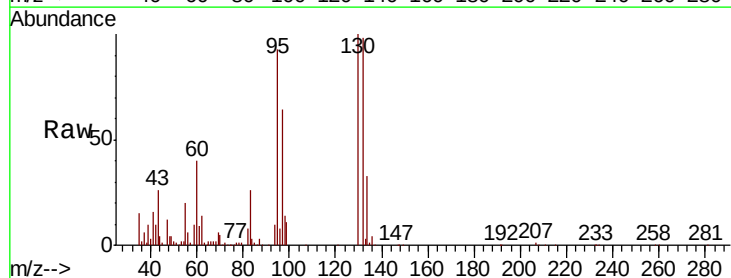
Instrument :
MSVOA_F
ClientSampled :

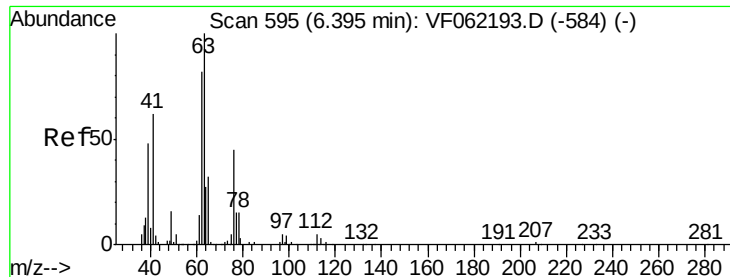
Tot Ion	Ratio	Lower	Upper
43	100		
61	32.0	24.4	36.6
87	0.6	0.4	0.6



#44
Trichloroethene
Concen: 52.094 ug/l
RT: 5.69 min Scan# 523
Delta R.T. 0.02 min
Lab File: VF062216.D
Acq: 18 Apr 2019 21:01

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.7	0.0	191.4





#45

1,2-Dichloropropane

Concen: 53.613 ug/l

RT: 6.41 min Scan# 596

Delta R.T. 0.01 min

Lab File: VF062216.D

Acq: 18 Apr 2019 21:01

Instrument :

MSVOA_F

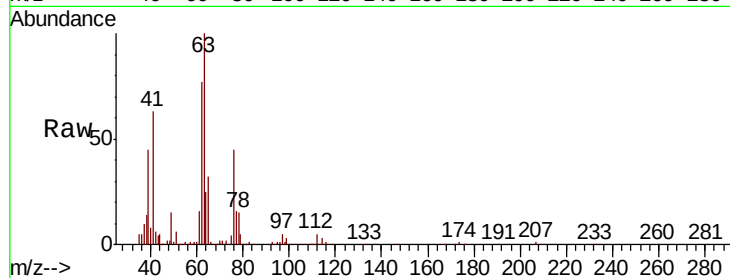
ClientSampleId :

Tot Ion: 63 Resp: 222935

Ion Ratio Lower Upper

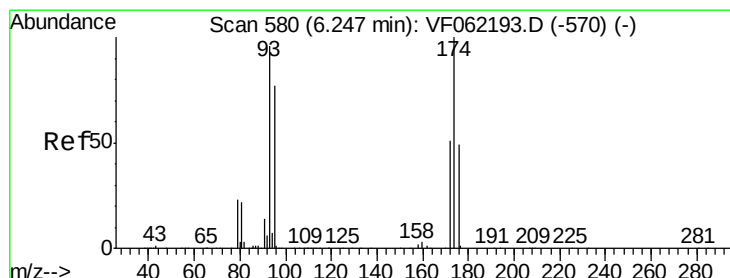
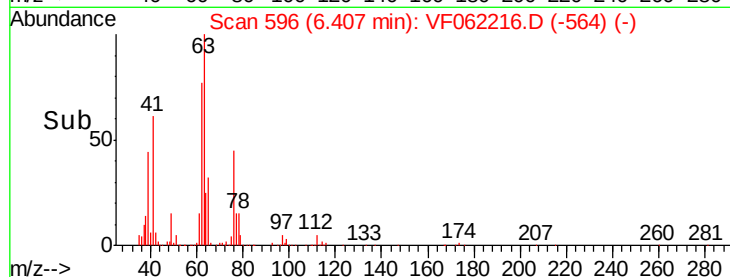
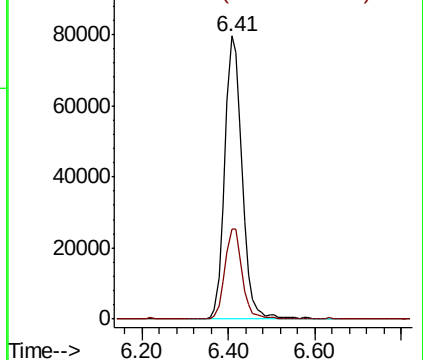
63 100

65 31.6 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: 52.913 ug/l

RT: 6.26 min Scan# 581

Delta R.T. 0.01 min

Lab File: VF062216.D

Acq: 18 Apr 2019 21:01

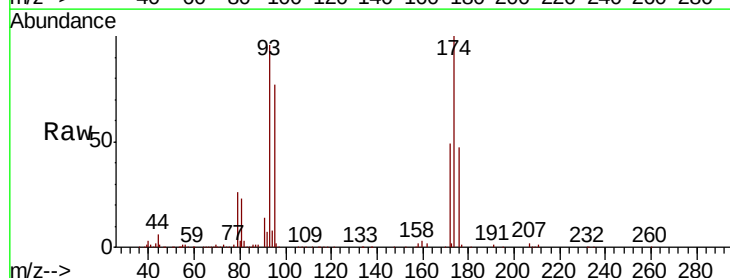
Tgt Ion: 93 Resp: 146387

Ion Ratio Lower Upper

93 100

95 82.8 65.1 97.7

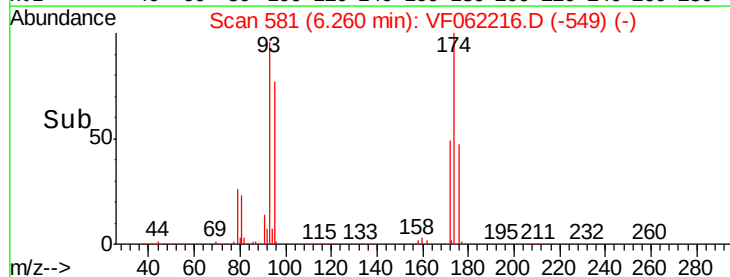
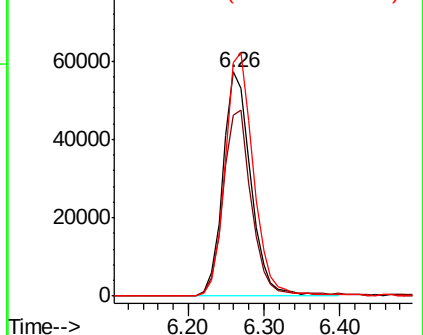
174 110.4 81.8 122.6

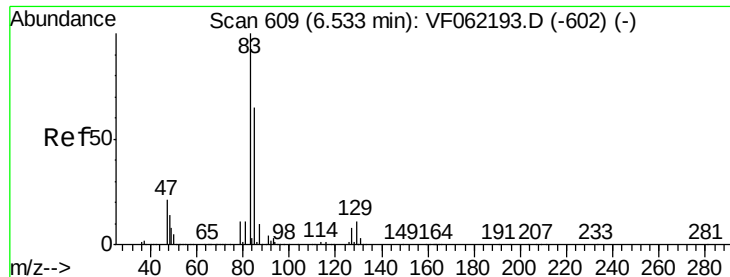


Abundance Ion 92.80 (92.50 to 93.50): VF0

Ion 94.80 (94.50 to 95.50): VF0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 52.537 ug/l

RT: 6.56 min Scan# 611

Delta R.T. 0.02 min

Lab File: VF062216.D

Acq: 18 Apr 2019 21:01

Instrument :
MSVOA_F
ClientSampleId :

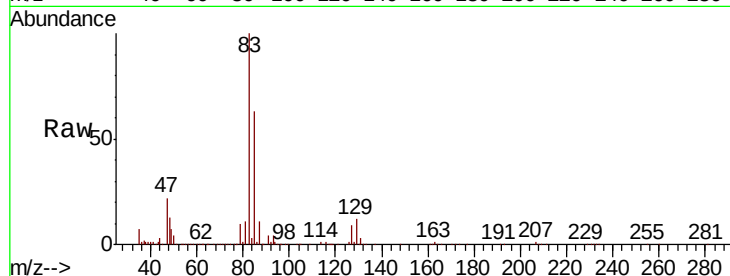
Tot Ion: 83 Resp: 327991

Ion Ratio Lower Upper

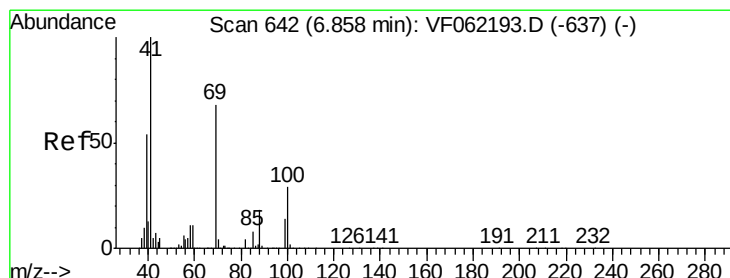
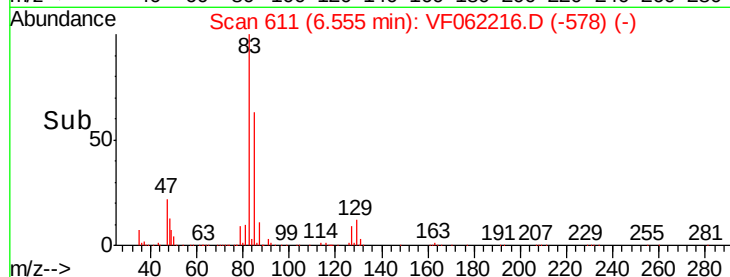
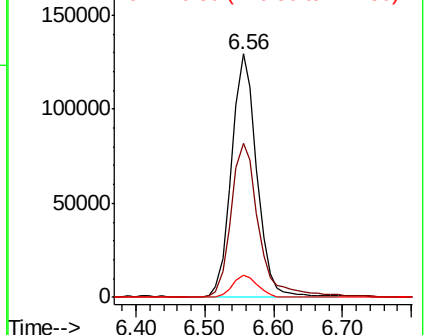
83 100

85 63.4 52.2 78.4

127 9.3 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: 52.640 ug/l

RT: 6.88 min Scan# 644

Delta R.T. 0.02 min

Lab File: VF062216.D

Acq: 18 Apr 2019 21:01

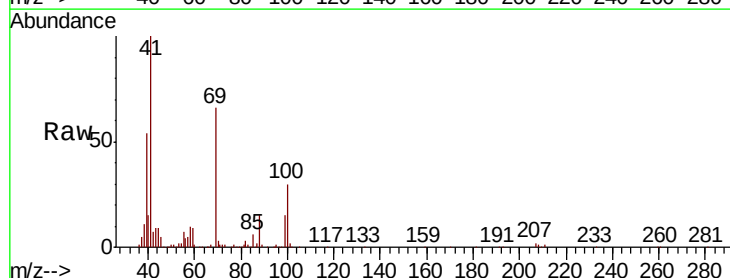
Tgt Ion: 41 Resp: 123568

Ion Ratio Lower Upper

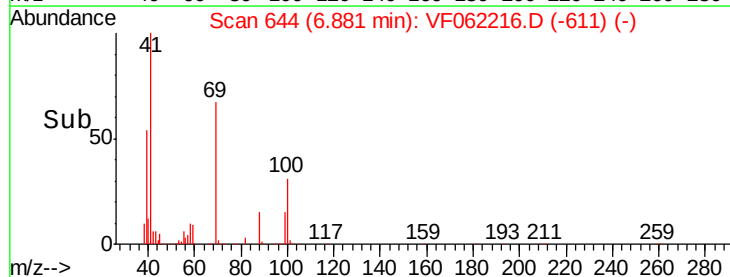
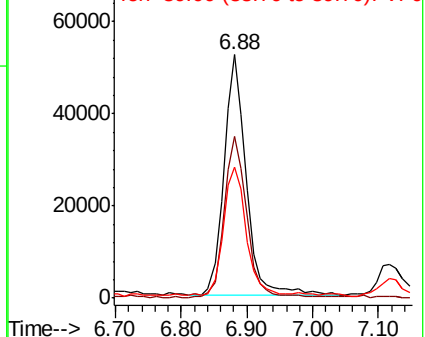
41 100

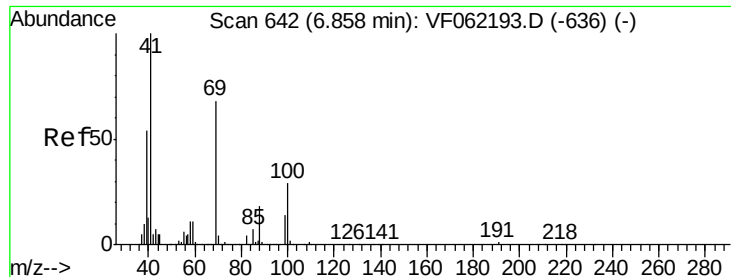
69 66.9 54.9 82.3

39 54.1 43.6 65.4



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

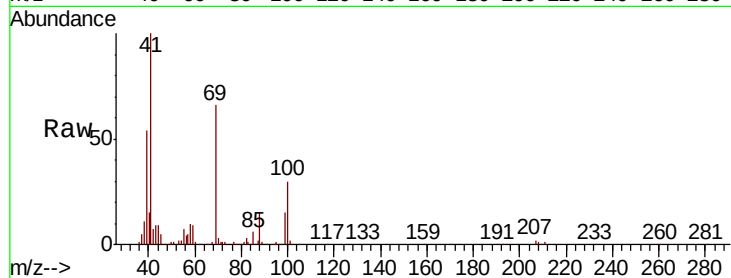




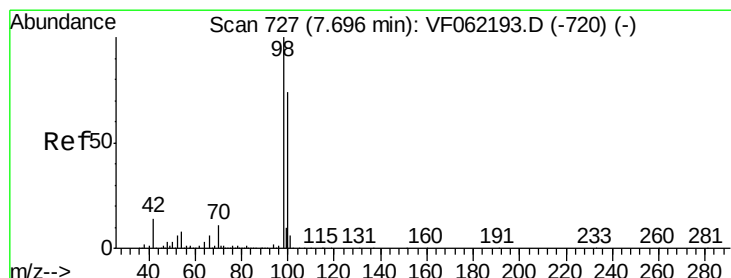
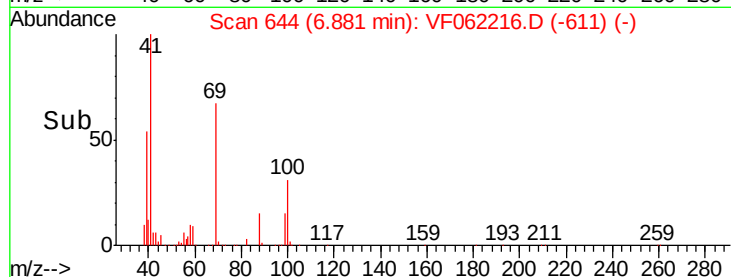
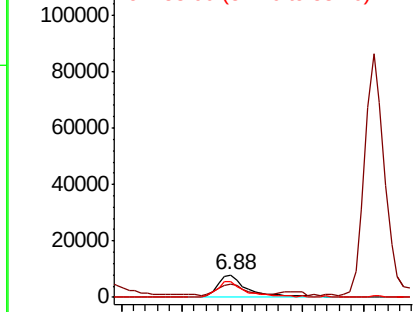
#49
1,4-Dioxane
Concen: 1021.435 ug/l
RT: 6.88 min Scan# 644
Delta R.T. 0.02 min
Lab File: VF062216.D
Acq: 18 Apr 2019 21:01

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 88 Resp: 27498
Ion Ratio Lower Upper
88 100
43 46.6 36.9 55.3
58 70.2 56.8 85.2

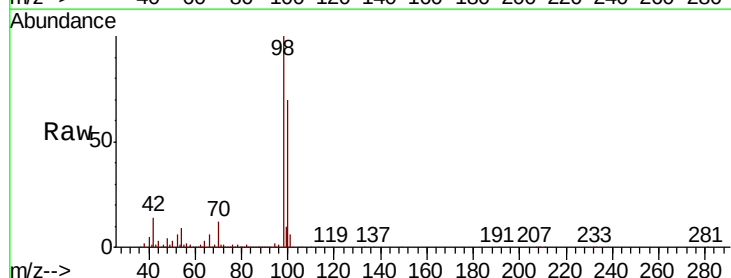


Abundance Ion 88.00 (87.70 to 88.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0

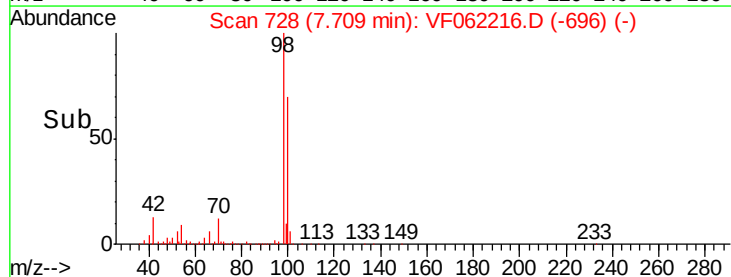
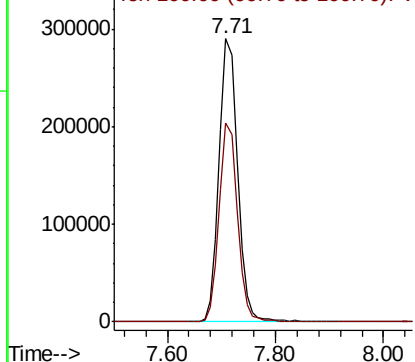


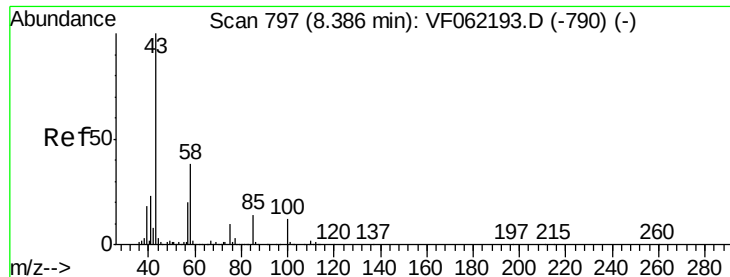
#50
Toluene-d8
Concen: 52.279 ug/l
RT: 7.71 min Scan# 728
Delta R.T. 0.01 min
Lab File: VF062216.D
Acq: 18 Apr 2019 21:01

Tgt Ion: 98 Resp: 694884
Ion Ratio Lower Upper
98 100
100 69.2 56.2 84.2



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





#51

4-Methyl-2-Pentanone

Concen: 256.650 ug/l

RT: 8.41 min Scan# 799

Delta R.T. 0.02 min

Lab File: VF062216.D

Acq: 18 Apr 2019 21:01

Instrument :

MSVOA_F

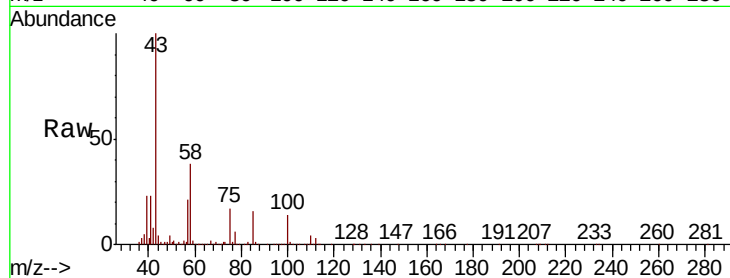
ClientSampleId :

Tot Ion: 43 Resp: 681844

Ion Ratio Lower Upper

43 100

58 37.8 29.3 43.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.41

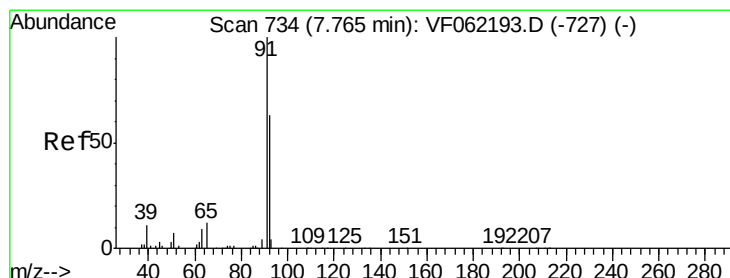
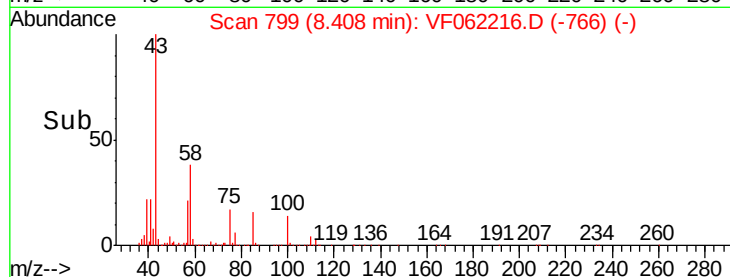
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 53.846 ug/l

RT: 7.78 min Scan# 735

Delta R.T. 0.01 min

Lab File: VF062216.D

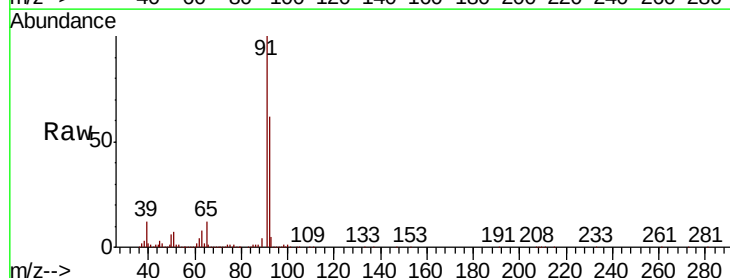
Acq: 18 Apr 2019 21:01

Tgt Ion: 92 Resp: 535803

Ion Ratio Lower Upper

92 100

91 163.1 130.1 195.1



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.78

400000

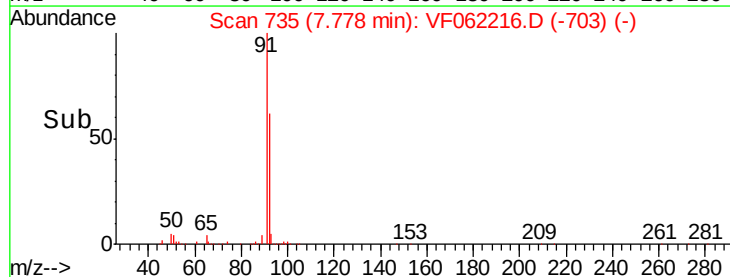
300000

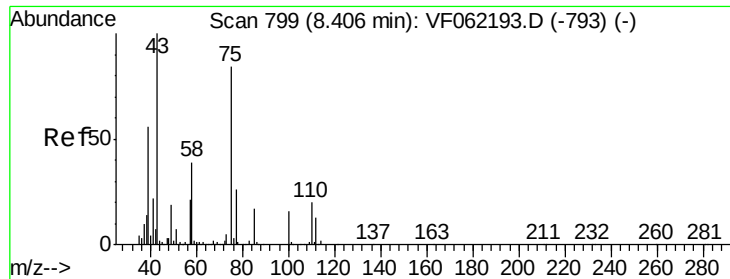
200000

100000

0

Time-->

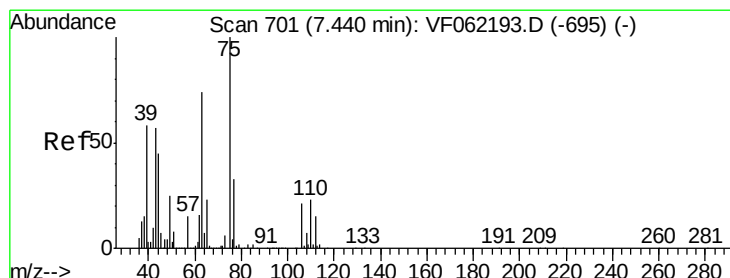
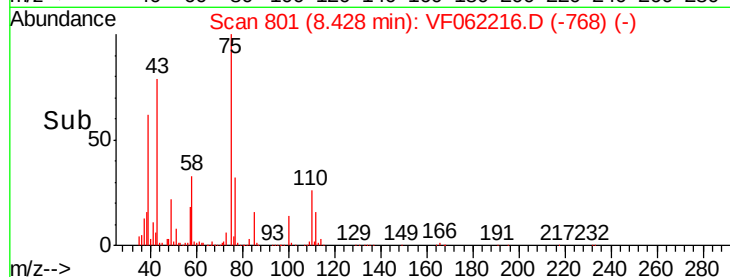
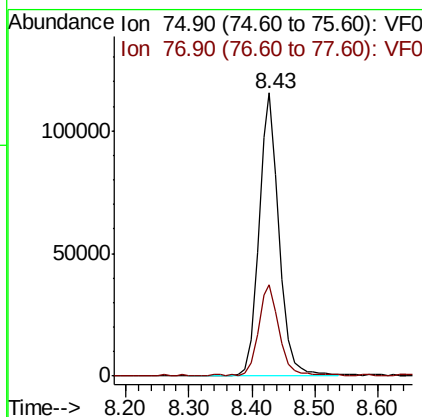
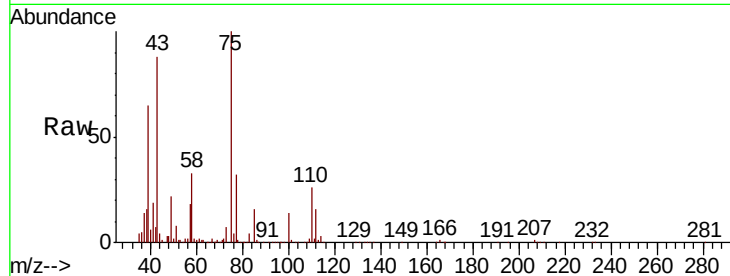




#53
 t-1,3-Dichloropropene
 Concen: 54.898 ug/l
 RT: 8.43 min Scan# 801
 Delta R.T. 0.02 min
 Lab File: VF062216.D
 Acq: 18 Apr 2019 21:01

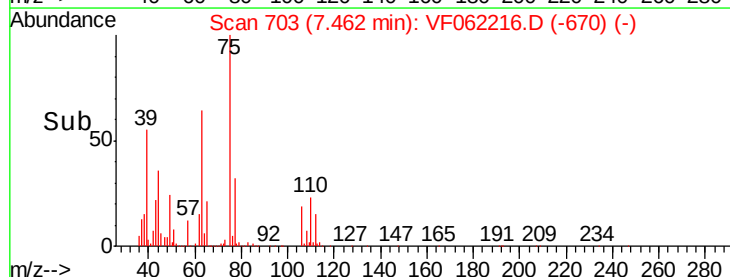
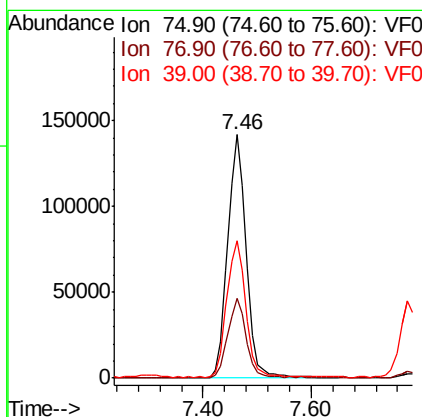
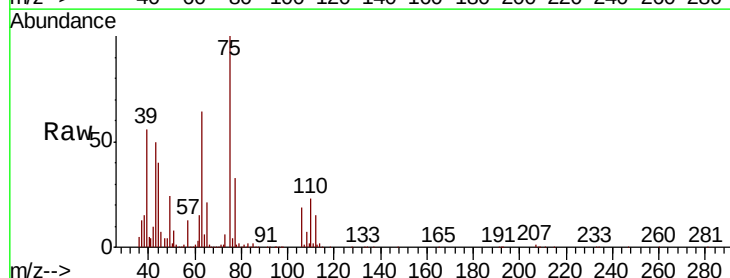
Instrument :
 MSVOA_F
 ClientSampled :

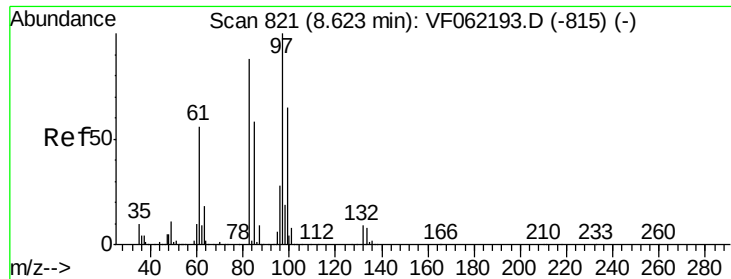
Tot Ion: 75 Resp: 257422
 Ion Ratio Lower Upper
 75 100
 77 31.9 24.6 36.8



#54
 cis-1,3-Dichloropropene
 Concen: 53.392 ug/l
 RT: 7.46 min Scan# 703
 Delta R.T. 0.02 min
 Lab File: VF062216.D
 Acq: 18 Apr 2019 21:01

Tgt Ion: 75 Resp: 338651
 Ion Ratio Lower Upper
 75 100
 77 32.3 26.4 39.6
 39 55.7 46.7 70.1





#55

1,1,2-Trichloroethane

Concen: 55.099 ug/l

RT: 8.64 min Scan# 822

Delta R.T. 0.01 min

Lab File: VF062216.D

Acq: 18 Apr 2019 21:01

Instrument :

MSVOA_F

ClientSampled :

Tot Ion: 97 Resp: 153595

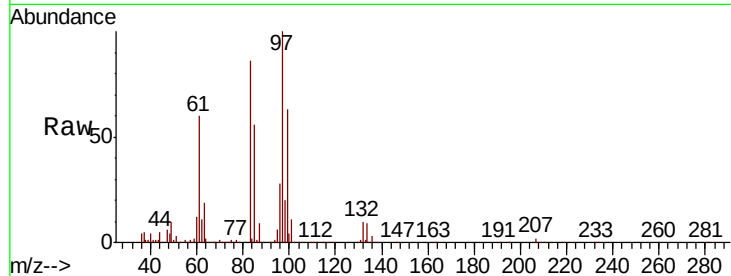
Ion Ratio Lower Upper

97 100

83 85.9 70.2 105.2

85 56.0 46.2 69.4

99 63.2 52.2 78.4



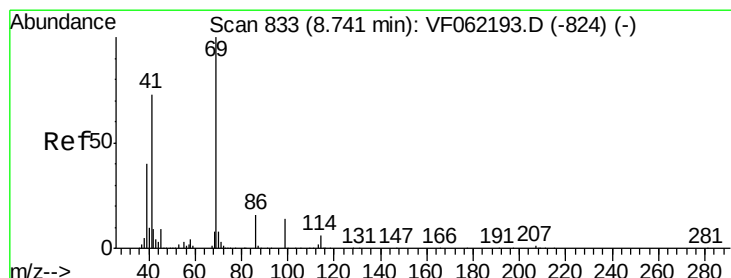
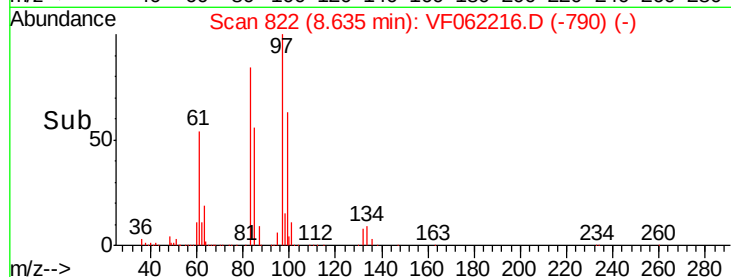
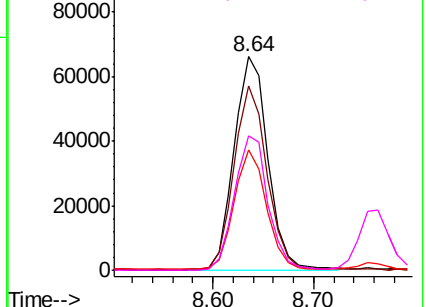
Abundance

Ion 96.90 (96.60 to 97.60): VF0

Ion 82.90 (82.60 to 83.60): VF0

Ion 84.90 (84.60 to 85.60): VF0

Ion 98.90 (98.60 to 99.60): VF0



#56

Ethyl methacrylate

Concen: 58.885 ug/l

RT: 8.75 min Scan# 834

Delta R.T. 0.01 min

Lab File: VF062216.D

Acq: 18 Apr 2019 21:01

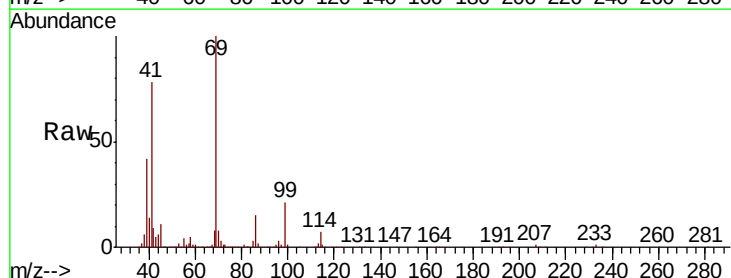
Tgt Ion: 69 Resp: 186627

Ion Ratio Lower Upper

69 100

41 77.1 61.5 92.3

39 39.4 33.3 49.9

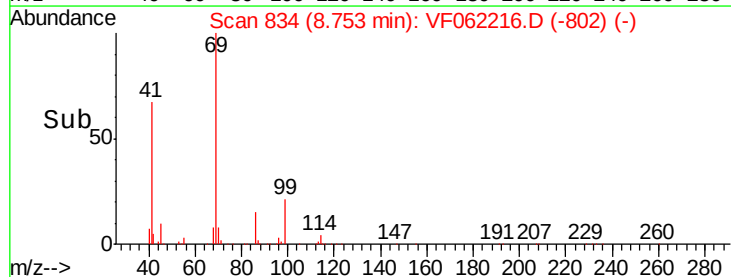
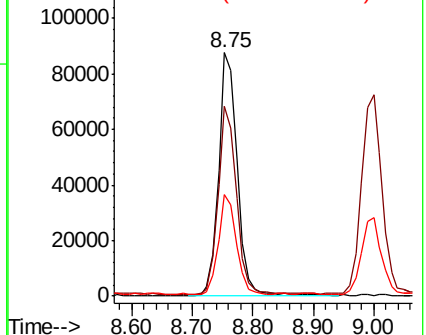


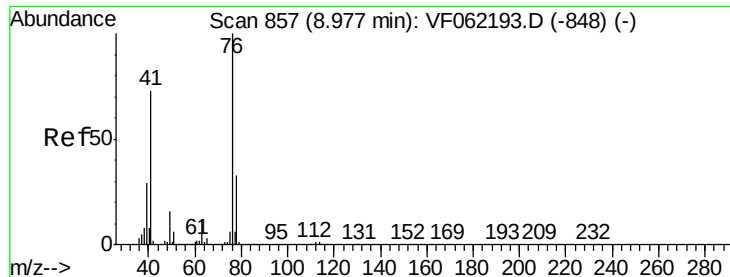
Abundance

Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 55.184 ug/l

RT: 9.00 min Scan# 859

Delta R.T. 0.02 min

Lab File: VF062216.D

Acq: 18 Apr 2019 21:01

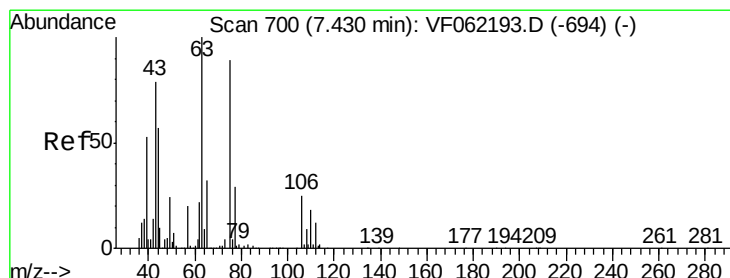
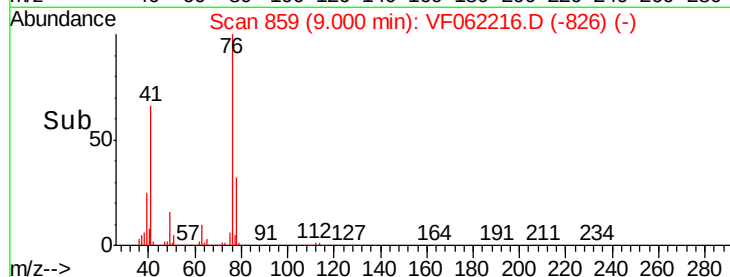
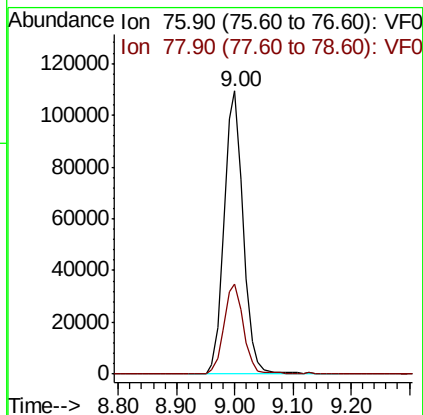
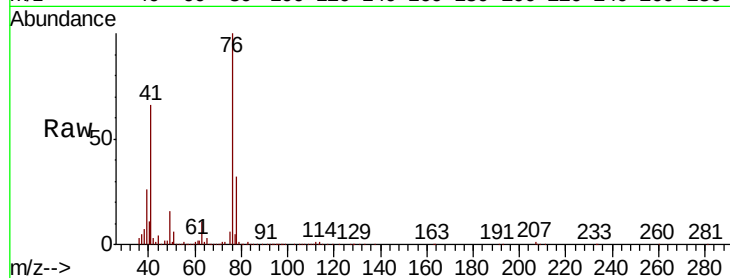
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 76 Resp: 248402

Ion Ratio Lower Upper

76 100

78 32.8 26.5 39.7



#58

2-Chloroethyl Vinyl ether

Concen: 289.620 ug/l

RT: 7.45 min Scan# 702

Delta R.T. 0.02 min

Lab File: VF062216.D

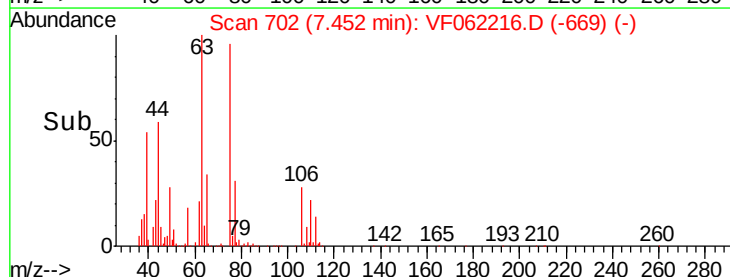
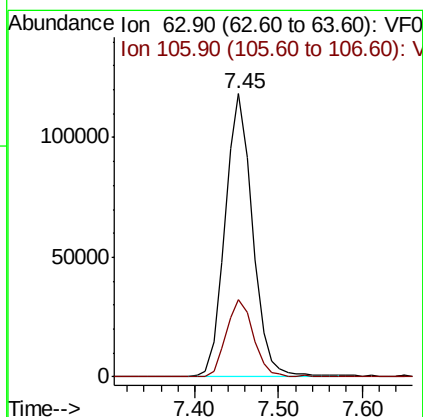
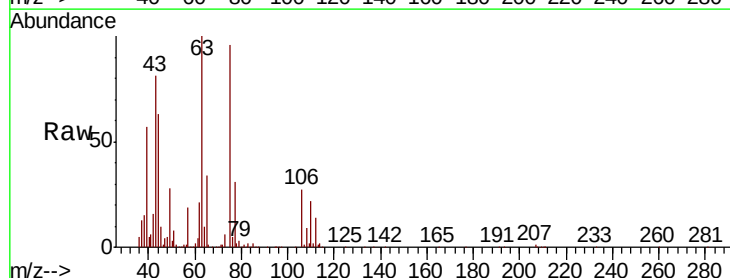
Acq: 18 Apr 2019 21:01

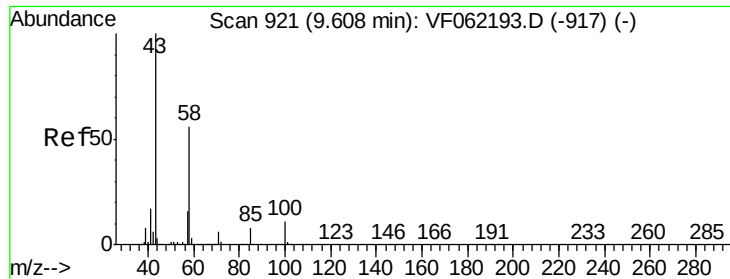
Tgt Ion: 63 Resp: 266501

Ion Ratio Lower Upper

63 100

106 27.4 21.4 32.0

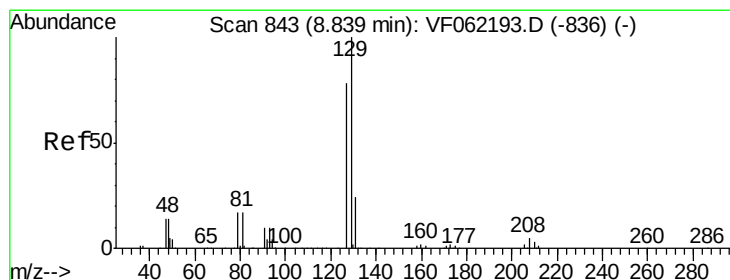
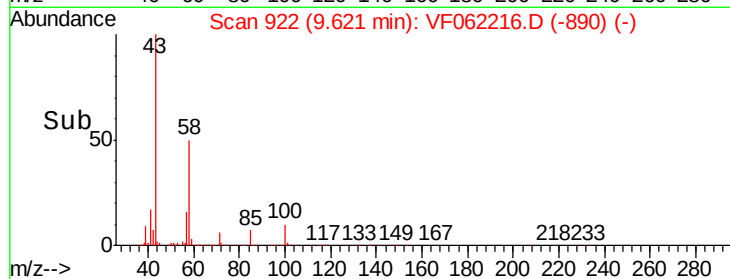
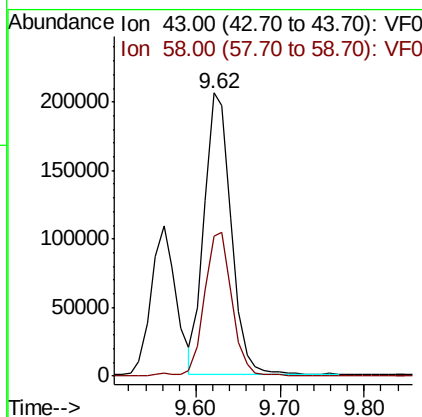
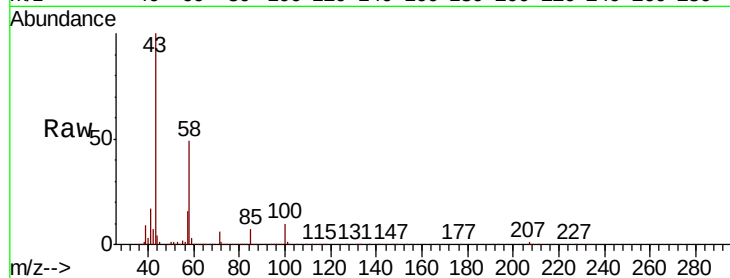




#59
 2-Hexanone
 Concen: 274.668 ug/l
 RT: 9.62 min Scan# 922
 Delta R.T. 0.01 min
 Lab File: VF062216.D
 Acq: 18 Apr 2019 21:01

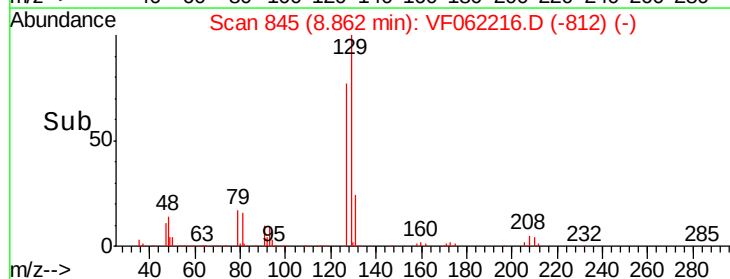
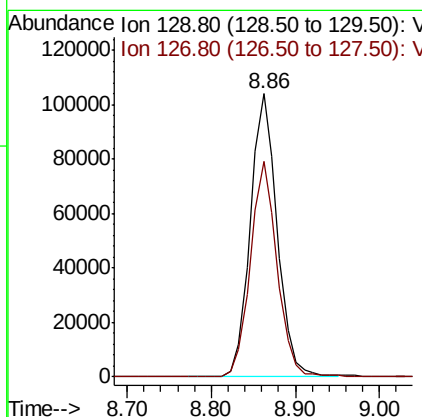
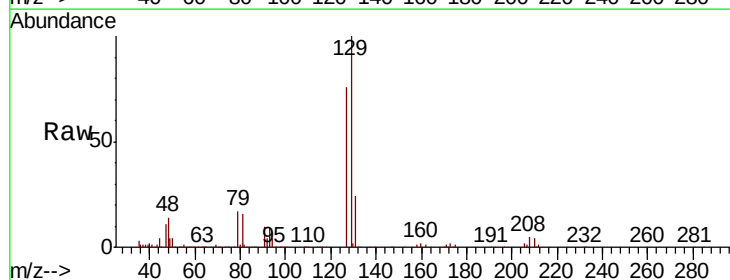
Instrument :
 MSVOA_F
 ClientSampleId :

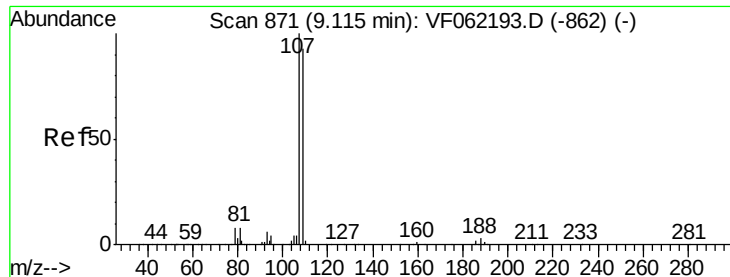
Tot Ion: 43 Resp: 455072
 Ion Ratio Lower Upper
 43 100
 58 52.6 24.6 74.0



#60
 Dibromochloromethane
 Concen: 56.440 ug/l
 RT: 8.86 min Scan# 845
 Delta R.T. 0.02 min
 Lab File: VF062216.D
 Acq: 18 Apr 2019 21:01

Tgt Ion: 129 Resp: 233986
 Ion Ratio Lower Upper
 129 100
 127 75.9 39.0 117.0





#61

1,2-Dibromoethane

Concen: 56.868 ug/l

RT: 9.14 min Scan# 873

Delta R.T. 0.02 min

Lab File: VF062216.D

Acq: 18 Apr 2019 21:01

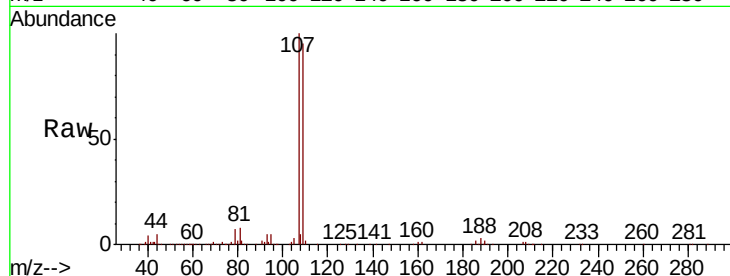
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:107 Resp: 178599

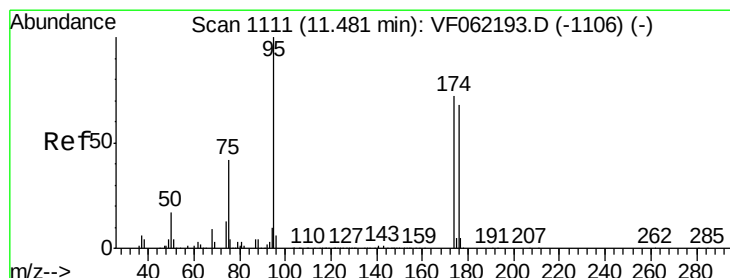
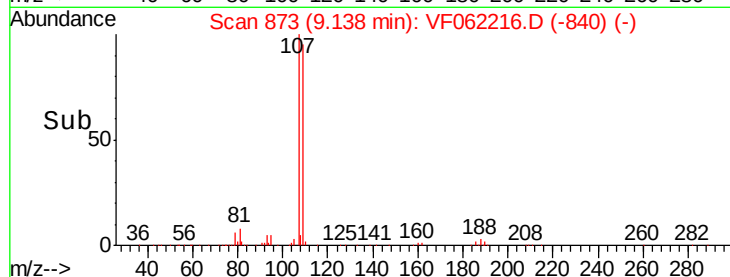
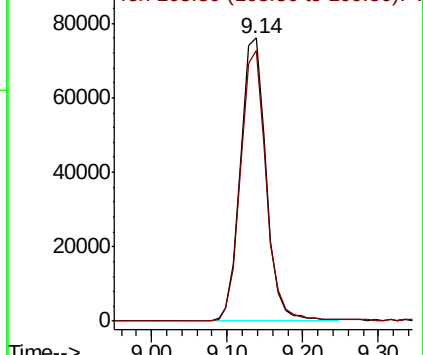
Ion Ratio Lower Upper

107 100

109 95.6 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: 52.983 ug/l

RT: 11.49 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VF062216.D

Acq: 18 Apr 2019 21:01

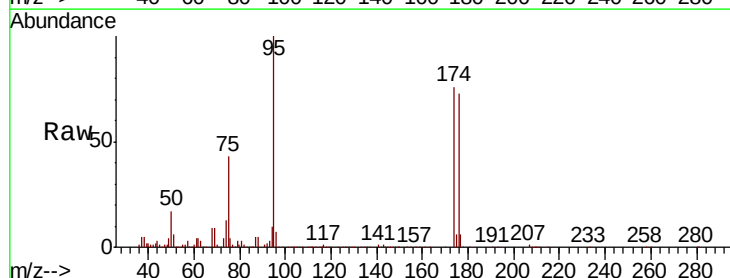
Tgt Ion: 95 Resp: 270919

Ion Ratio Lower Upper

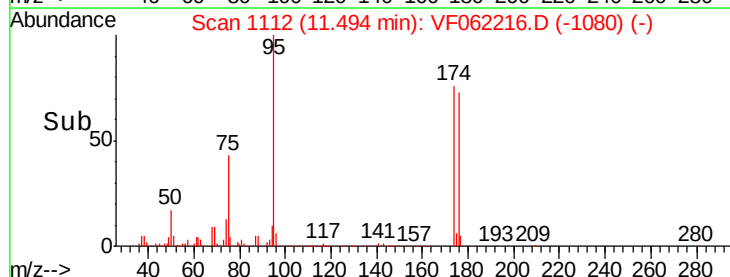
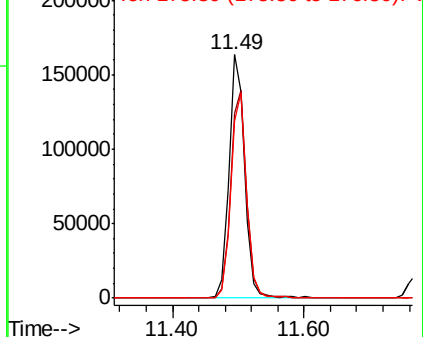
95 100

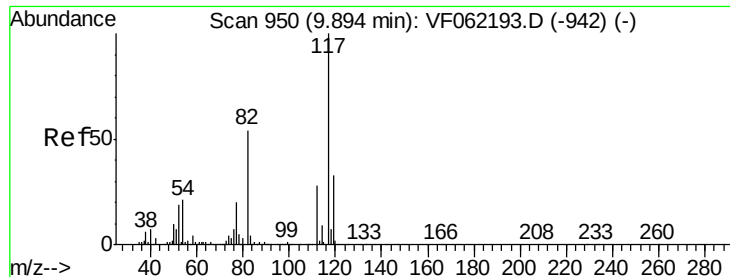
174 87.2 0.0 159.4

176 85.0 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

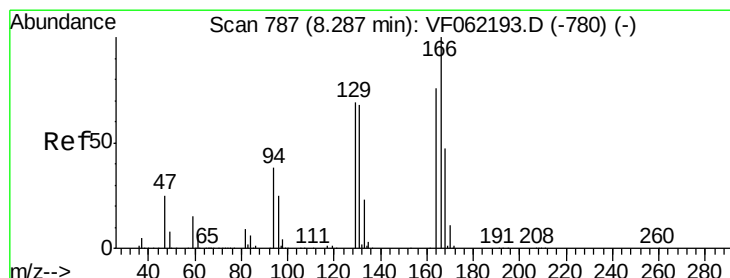
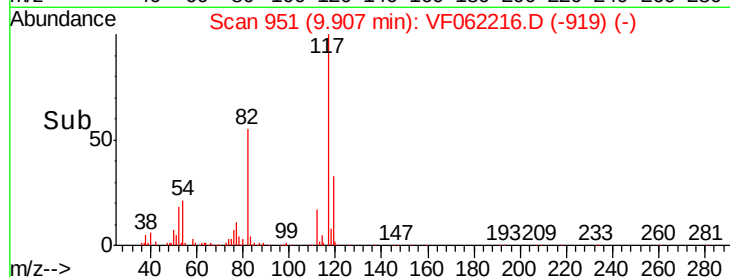
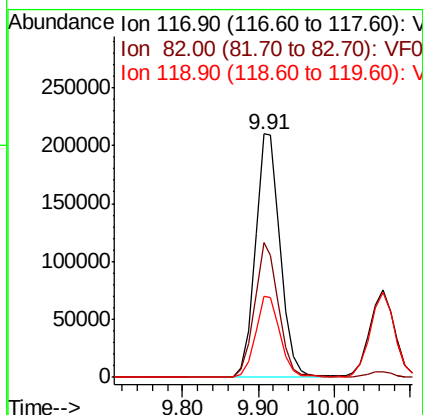
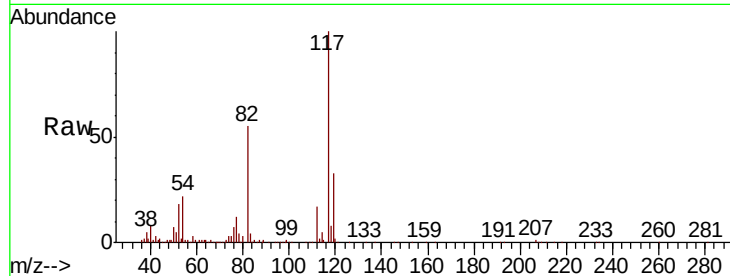




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 951
Delta R.T. 0.01 min
Lab File: VF062216.D
Acq: 18 Apr 2019 21:01

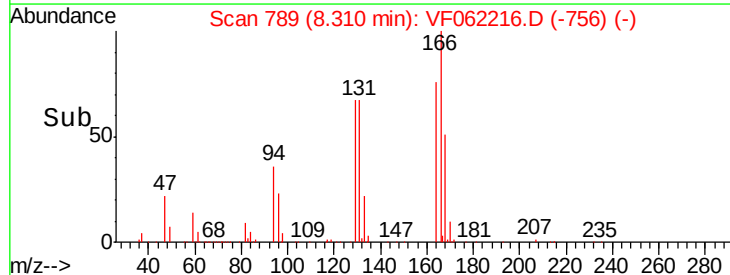
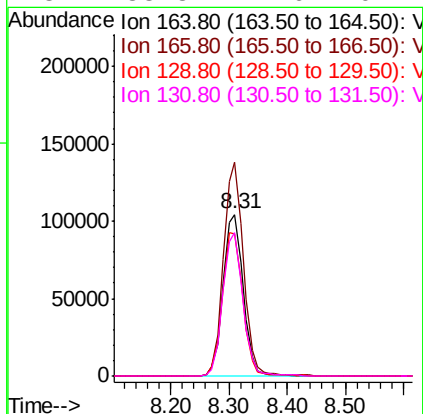
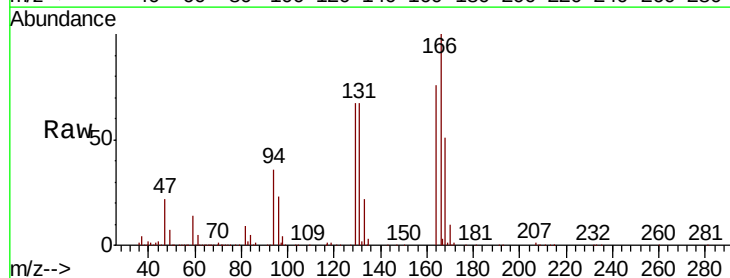
Instrument :
MSVOA_F
ClientSampleId :

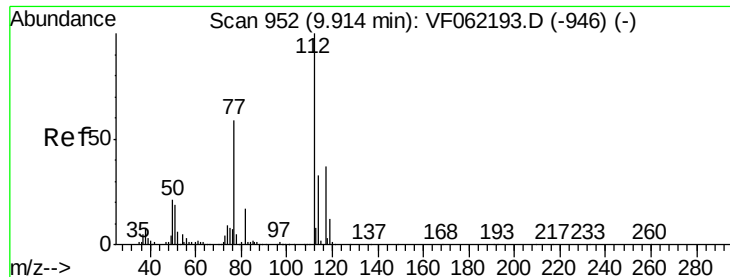
Tot Ion:117 Resp: 483428
Ion Ratio Lower Upper
117 100
82 55.2 43.2 64.8
119 33.2 26.2 39.4



#64
Tetrachloroethene
Concen: 57.683 ug/l
RT: 8.31 min Scan# 789
Delta R.T. 0.02 min
Lab File: VF062216.D
Acq: 18 Apr 2019 21:01

Tgt Ion:164 Resp: 251729
Ion Ratio Lower Upper
164 100
166 132.0 104.7 157.1
129 88.1 72.6 109.0
131 88.8 71.6 107.4

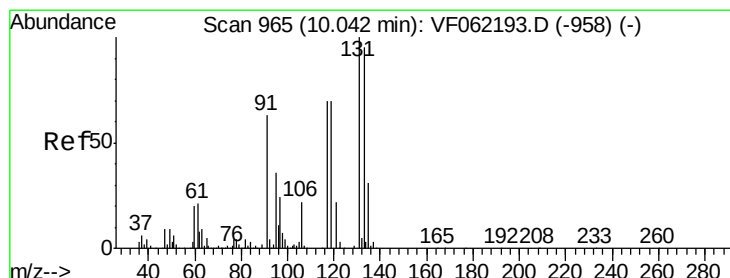
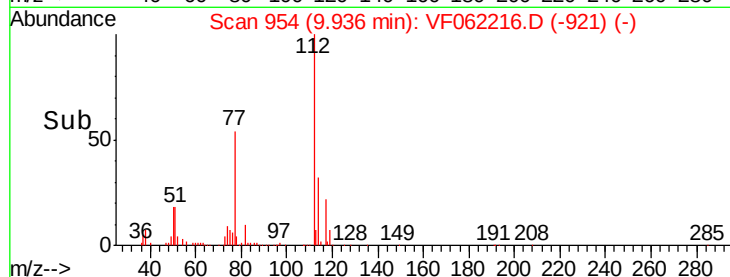
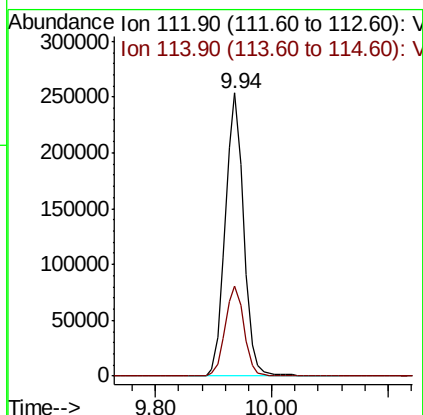
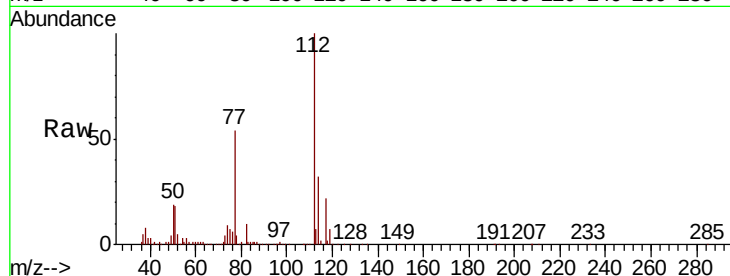




#65
Chlorobenzene
Concen: 53.993 ug/l
RT: 9.94 min Scan# 954
Delta R.T. 0.02 min
Lab File: VF062216.D
Acq: 18 Apr 2019 21:01

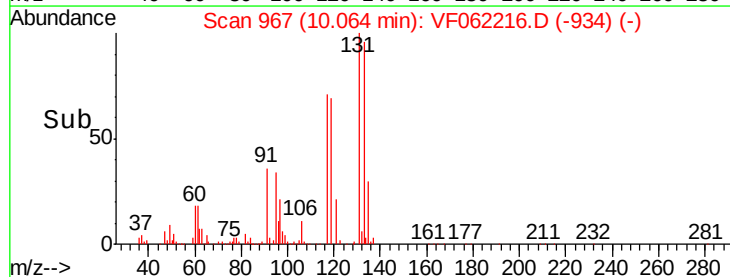
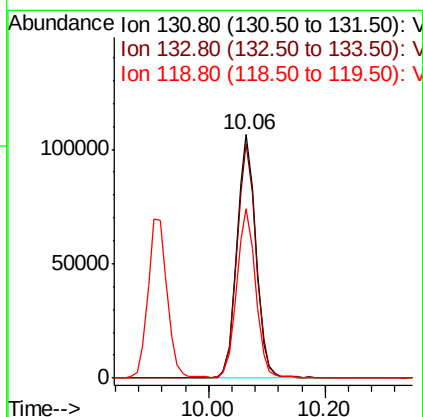
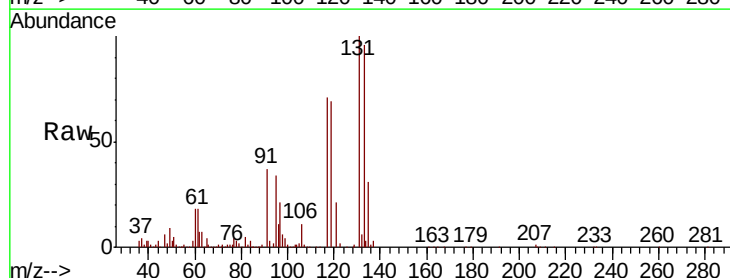
Instrument :
MSVOA_F
ClientSampleId :

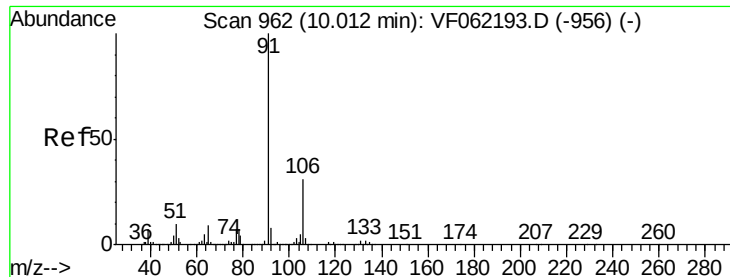
Tot Ion:112 Resp: 556560
Ion Ratio Lower Upper
112 100
114 32.0 26.1 39.1



#66
1,1,1,2-Tetrachloroethane
Concen: 49.813 ug/l
RT: 10.06 min Scan# 967
Delta R.T. 0.02 min
Lab File: VF062216.D
Acq: 18 Apr 2019 21:01

Tgt Ion:131 Resp: 240460
Ion Ratio Lower Upper
131 100
133 96.4 47.7 143.1
119 68.9 34.6 103.9

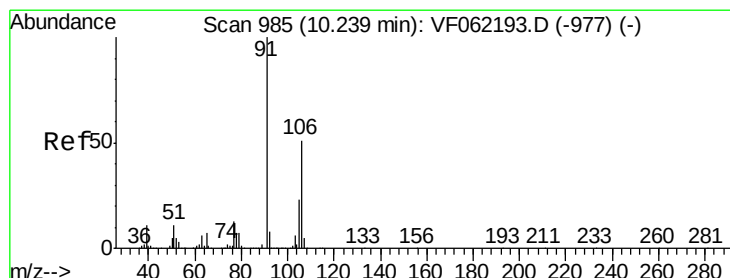
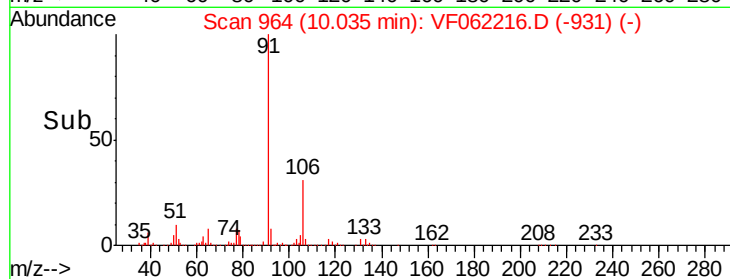
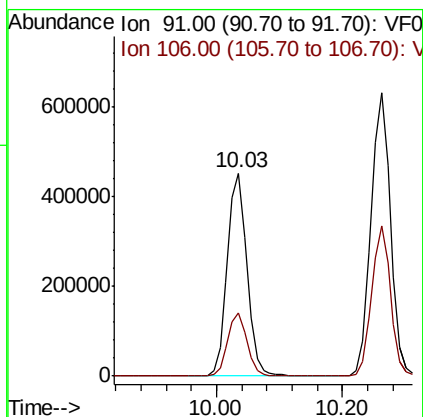
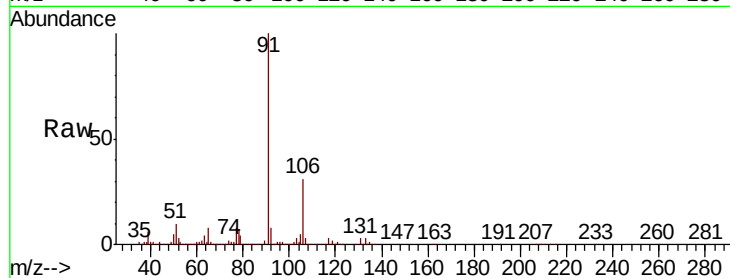




#67
Ethyl Benzene
Concen: 52.001 ug/l
RT: 10.03 min Scan# 964
Delta R.T. 0.02 min
Lab File: VF062216.D
Acq: 18 Apr 2019 21:01

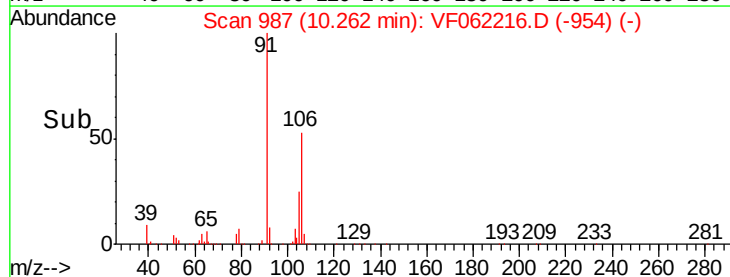
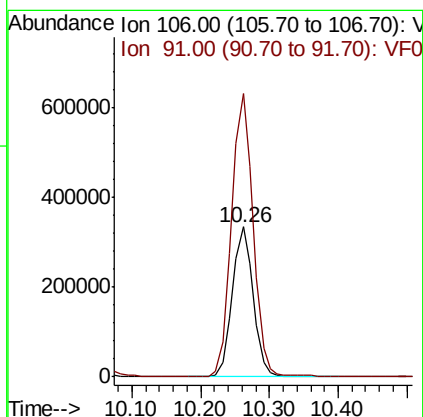
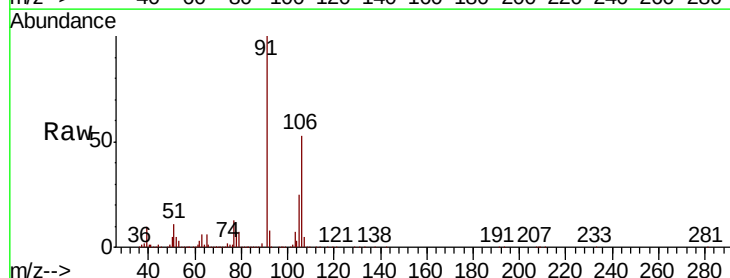
Instrument :
MSVOA_F
ClientSampleId :

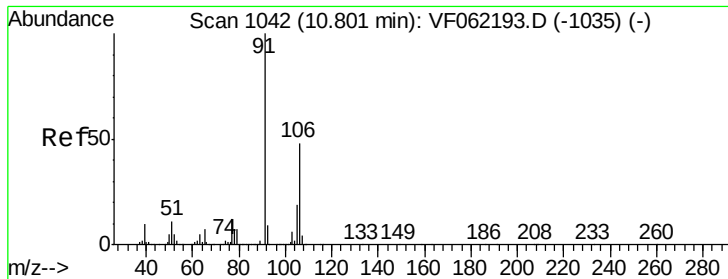
Tot Ion: 91 Resp: 974700
Ion Ratio Lower Upper
91 100
106 31.2 24.9 37.3



#68
m/p-Xylenes
Concen: 102.223 ug/l
RT: 10.26 min Scan# 987
Delta R.T. 0.02 min
Lab File: VF062216.D
Acq: 18 Apr 2019 21:01

Tgt Ion: 106 Resp: 705354
Ion Ratio Lower Upper
106 100
91 194.2 159.1 238.7

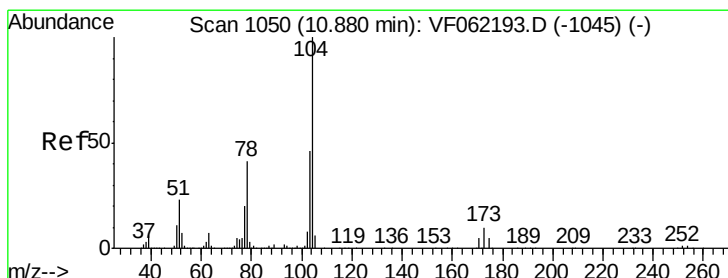
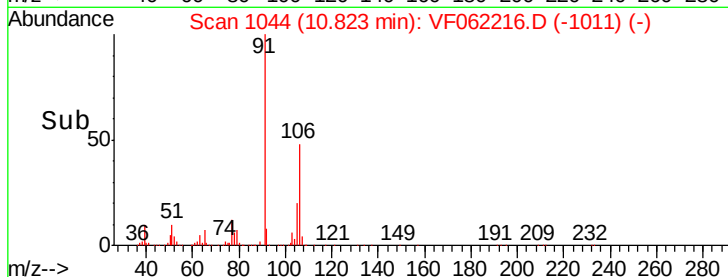
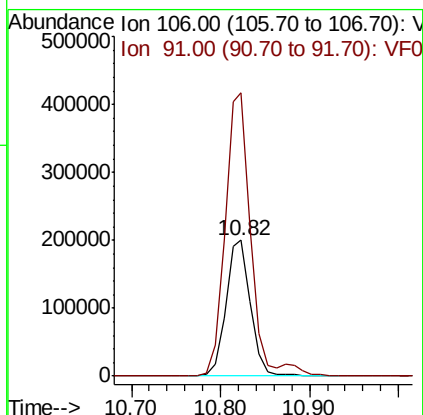
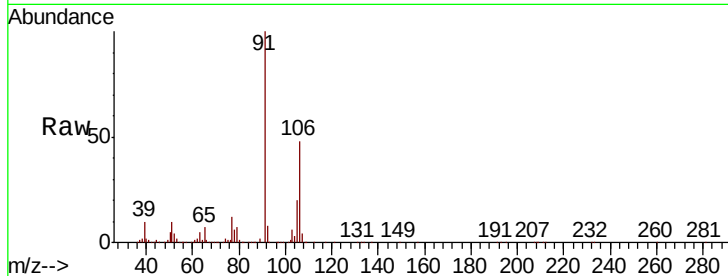




#69
o-Xylene
Concen: 50.495 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. 0.02 min
Lab File: VF062216.D
Acq: 18 Apr 2019 21:01

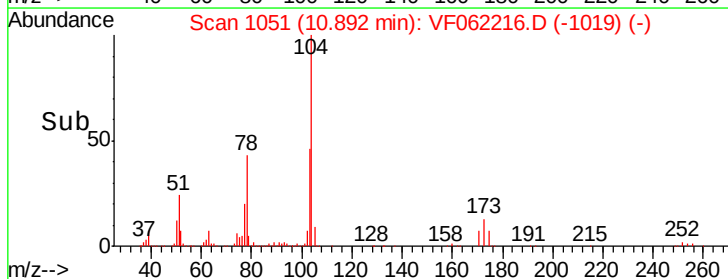
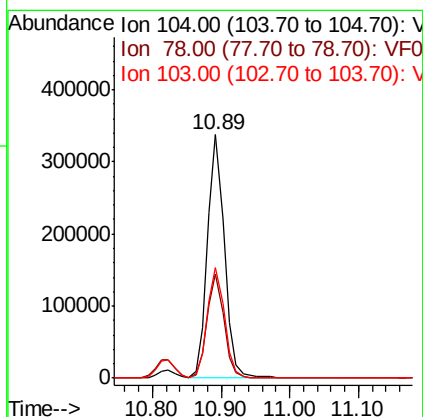
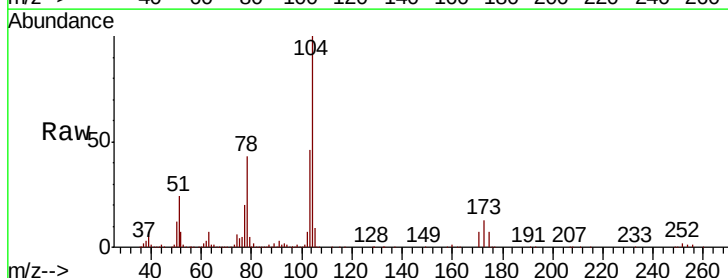
Instrument :
MSVOA_F
ClientSampled :

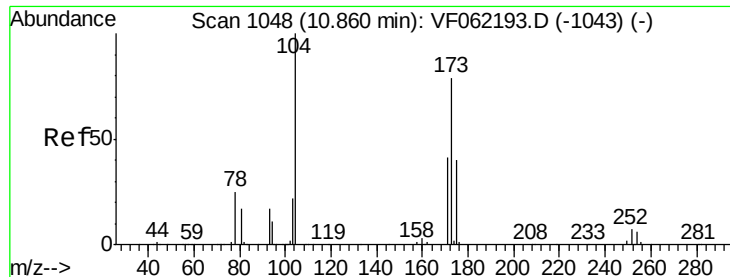
Tot Ion:106 Resp: 386841
Ion Ratio Lower Upper
106 100
91 211.3 107.5 322.4



#70
Styrene
Concen: 53.914 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VF062216.D
Acq: 18 Apr 2019 21:01

Tgt Ion:104 Resp: 582879
Ion Ratio Lower Upper
104 100
78 41.8 34.5 51.7
103 46.4 37.2 55.8





#71

Bromoform

Concen: 54.576 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. 0.02 min

Lab File: VF062216.D

Acq: 18 Apr 2019 21:01

Instrument :

MSVOA_F

ClientSampleId :

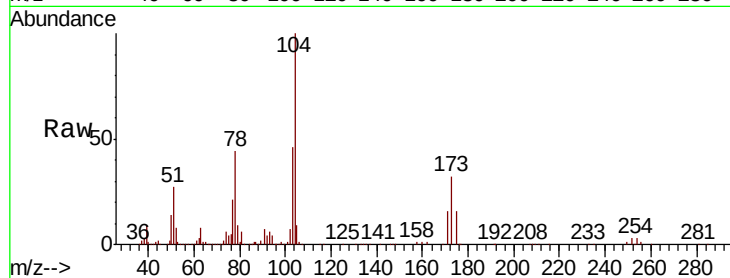
Tot Ion:173 Resp: 139098

Ion Ratio Lower Upper

173 100

175 50.3 24.5 73.5

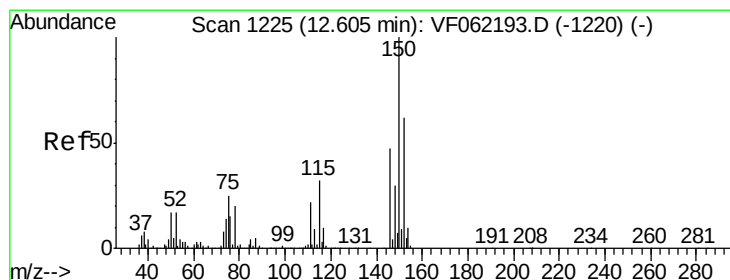
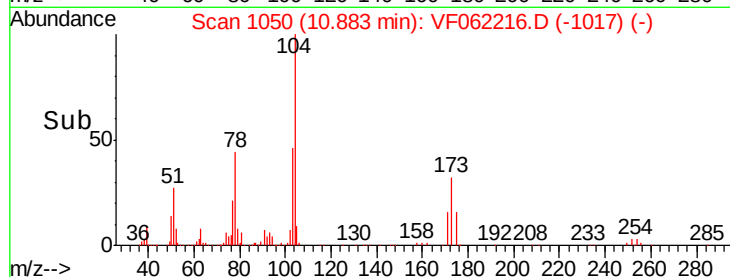
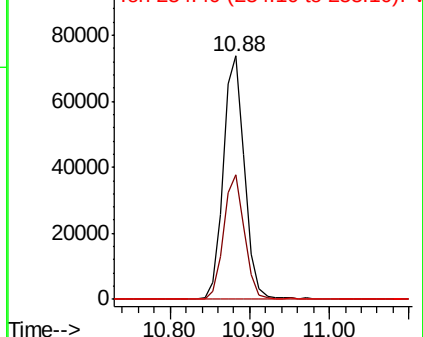
254 0.0 0.1 0.1#



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: 12.62 min Scan# 1226

Delta R.T. 0.01 min

Lab File: VF062216.D

Acq: 18 Apr 2019 21:01

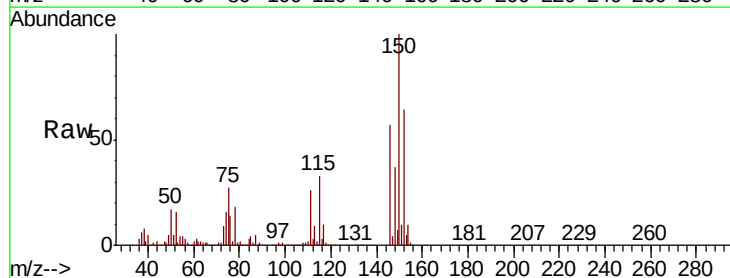
Tgt Ion:152 Resp: 259792

Ion Ratio Lower Upper

152 100

115 54.0 27.8 83.3

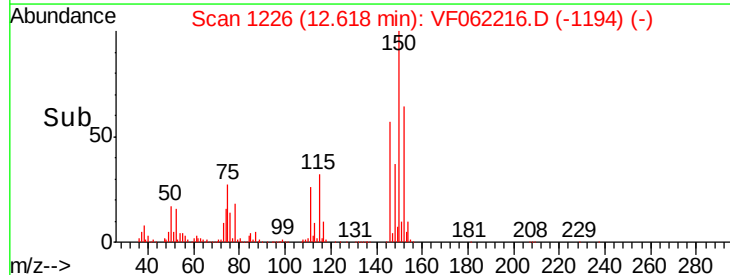
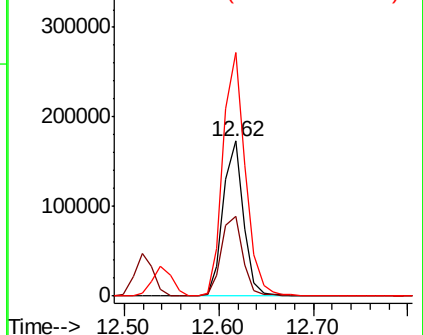
150 171.5 0.0 341.8

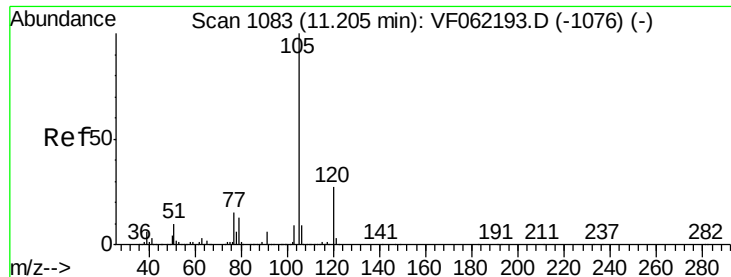


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 49.734 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. 0.01 min

Lab File: VF062216.D

Acq: 18 Apr 2019 21:01

Instrument :

MSVOA_F

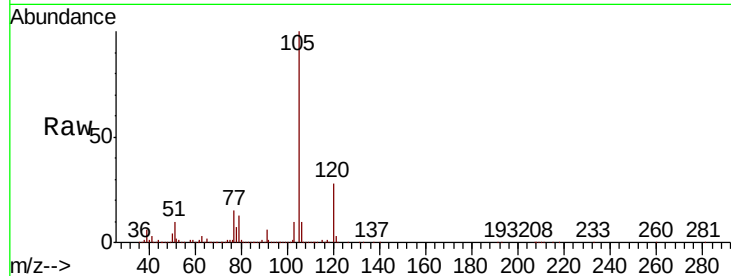
ClientSampleId :

Tot Ion:105 Resp: 1109867

Ion Ratio Lower Upper

105 100

120 26.6 13.0 38.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

600000

400000

200000

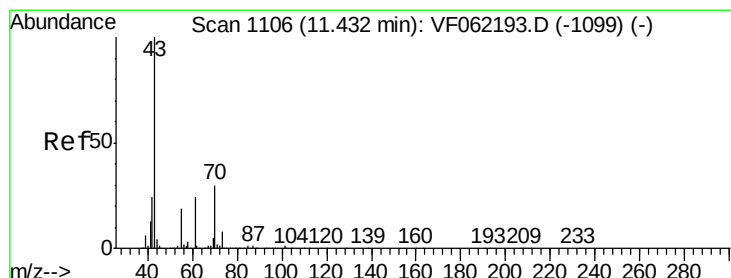
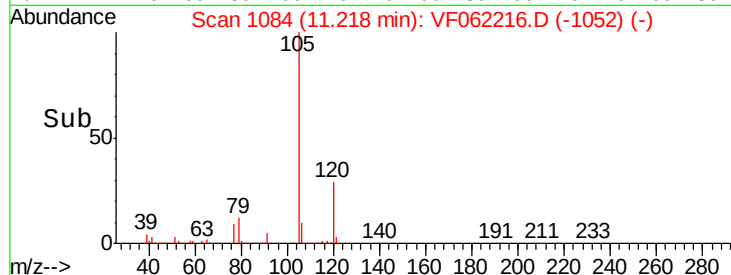
0

11.22

11.20

11.40

Time-->



#74

N-ethyl acetate

Concen: 55.837 ug/l

RT: 11.44 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VF062216.D

Acq: 18 Apr 2019 21:01

Tgt Ion: 43 Resp: 294294

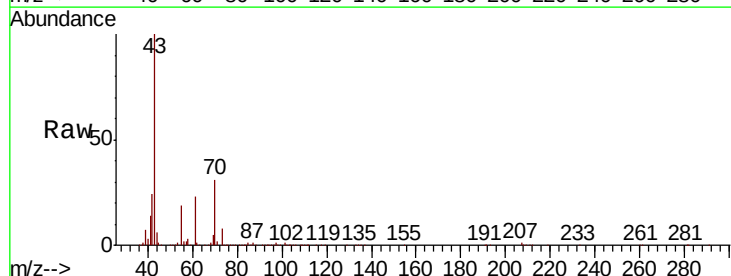
Ion Ratio Lower Upper

43 100

70 34.3 27.0 40.4

55 20.3 15.7 23.5

61 25.8 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

250000

200000

150000

100000

50000

0

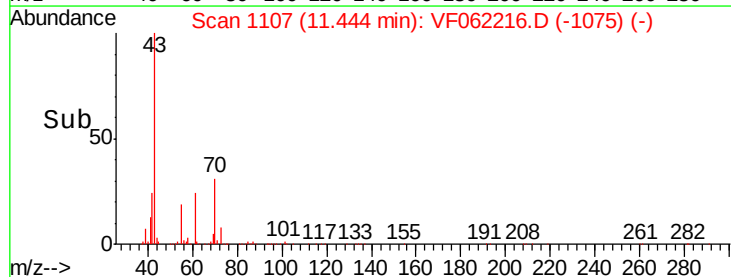
11.44

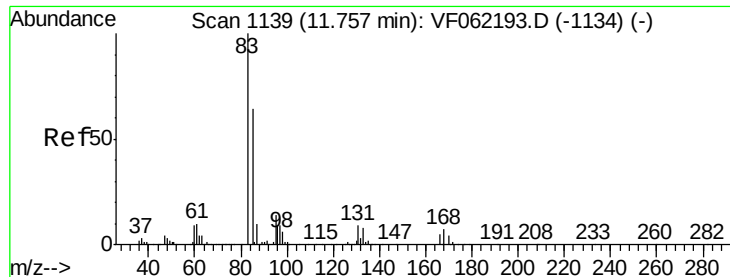
11.30

11.50

11.60

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 50.375 ug/l

RT: 11.77 min Scan# 1140

Delta R.T. 0.01 min

Lab File: VF062216.D

Acq: 18 Apr 2019 21:01

Instrument :

MSVOA_F

ClientSampleId :

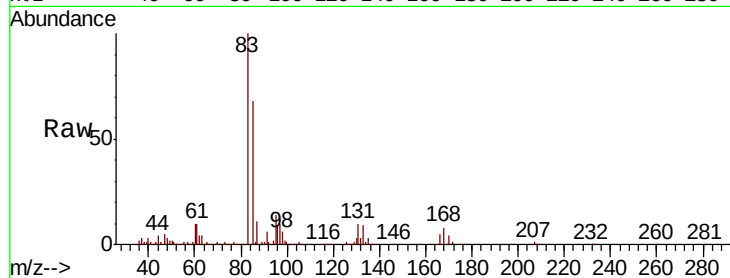
Tot Ion: 83 Resp: 193331

Ion Ratio Lower Upper

83 100

131 10.0 4.5 13.5

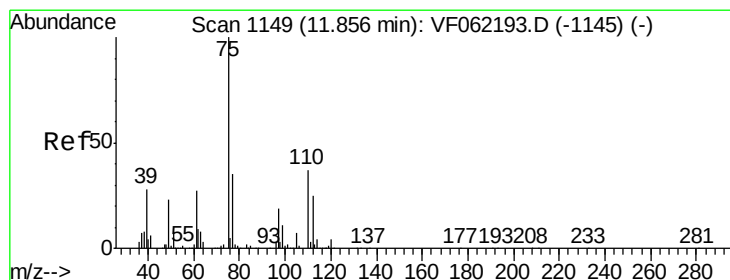
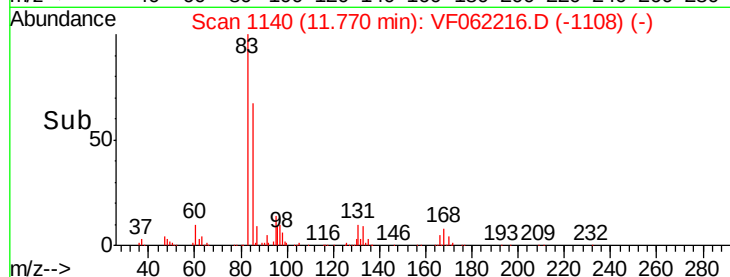
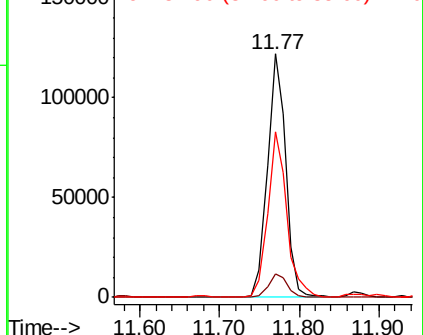
85 71.2 34.7 104.1



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: 50.143 ug/l

RT: 11.87 min Scan# 1150

Delta R.T. 0.01 min

Lab File: VF062216.D

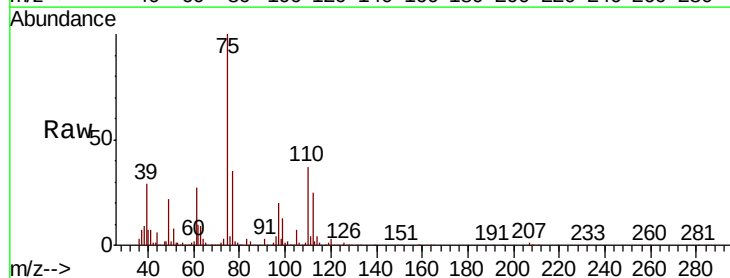
Acq: 18 Apr 2019 21:01

Tgt Ion: 75 Resp: 132400

Ion Ratio Lower Upper

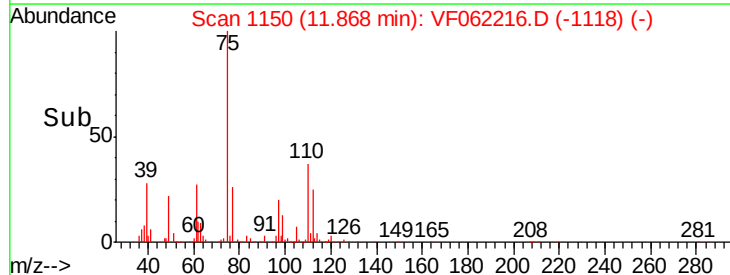
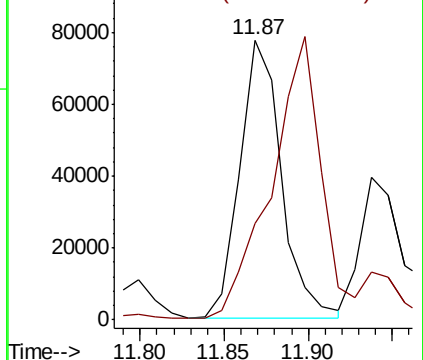
75 100

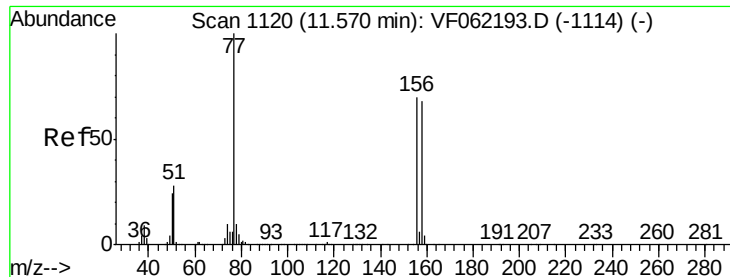
77 0.0 7.4 22.2#



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 55.524 ug/l

RT: 11.58 min Scan# 1121

Delta R.T. 0.01 min

Lab File: VF062216.D

Acq: 18 Apr 2019 21:01

Instrument :

MSVOA_F

ClientSampleId :

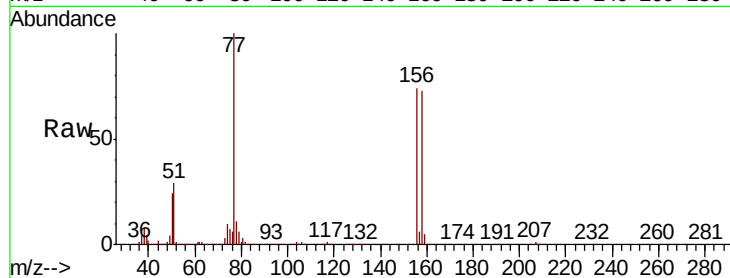
Tot Ion:156 Resp: 265437

Ion Ratio Lower Upper

156 100

77 145.7 80.9 242.7

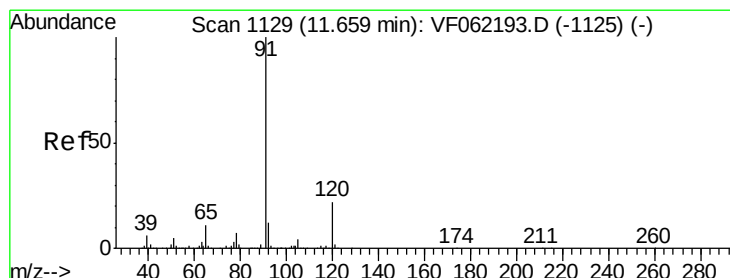
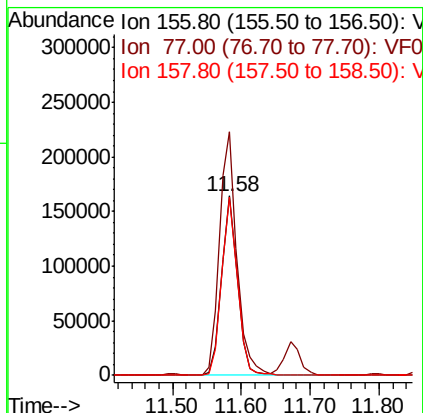
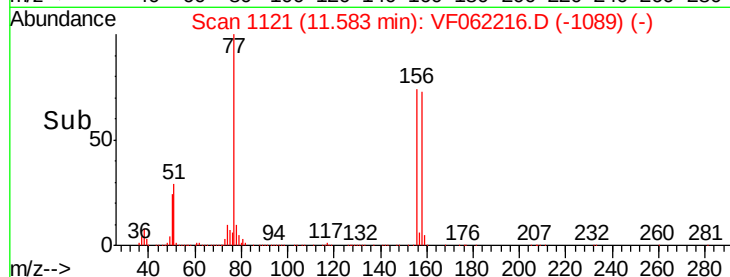
158 99.1 49.8 149.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.264 ug/l

RT: 11.67 min Scan# 1130

Delta R.T. 0.01 min

Lab File: VF062216.D

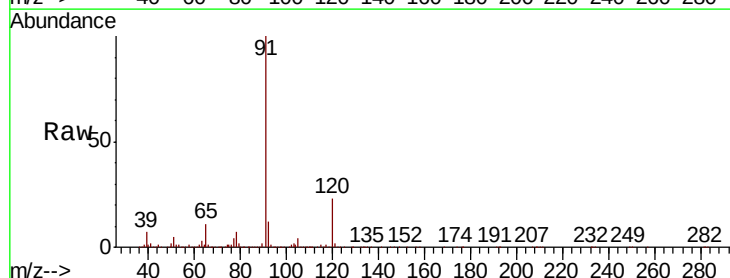
Acq: 18 Apr 2019 21:01

Tgt Ion: 91 Resp: 1183293

Ion Ratio Lower Upper

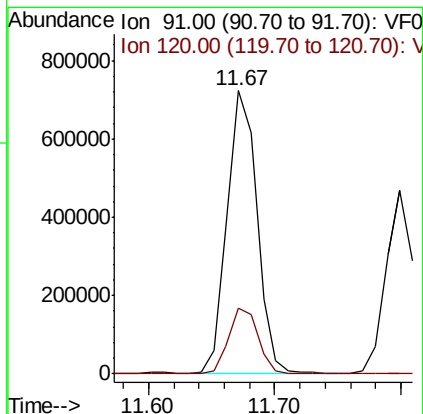
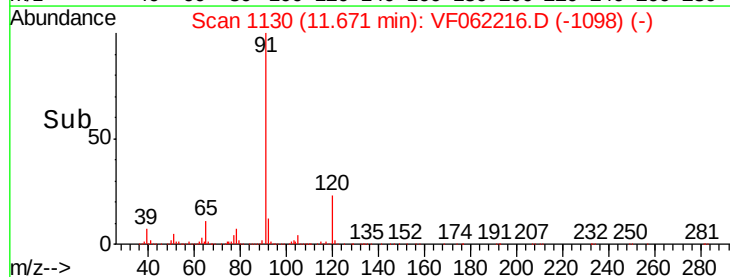
91 100

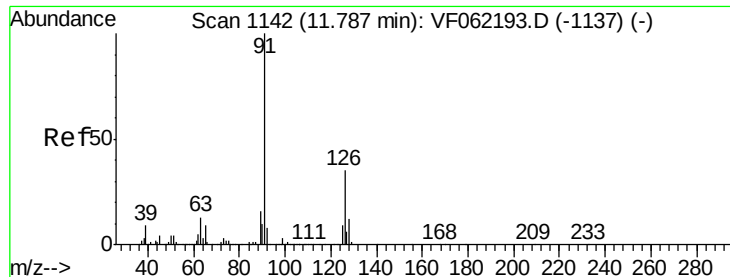
120 23.3 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.497 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. 0.01 min

Lab File: VF062216.D

Acq: 18 Apr 2019 21:01

Instrument :

MSVOA_F

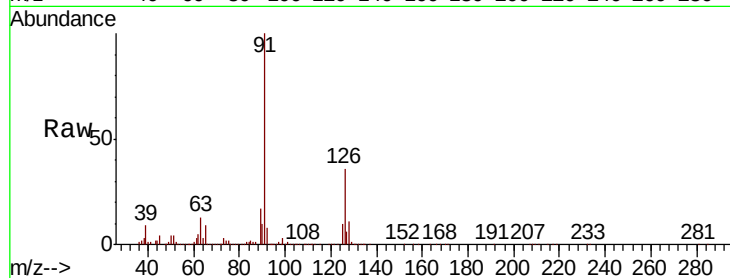
ClientSampled :

Tot Ion: 91 Resp: 721114

Ion Ratio Lower Upper

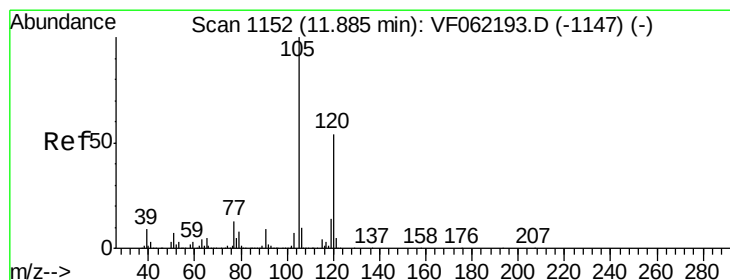
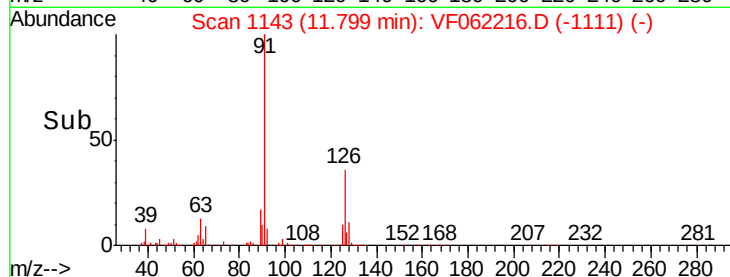
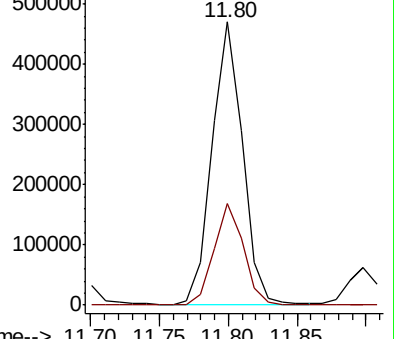
91 100

126 35.3 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: 49.826 ug/l

RT: 11.90 min Scan# 1153

Delta R.T. 0.01 min

Lab File: VF062216.D

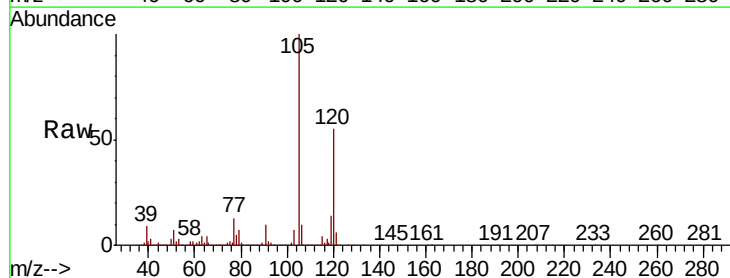
Acq: 18 Apr 2019 21:01

Tgt Ion:105 Resp: 926103

Ion Ratio Lower Upper

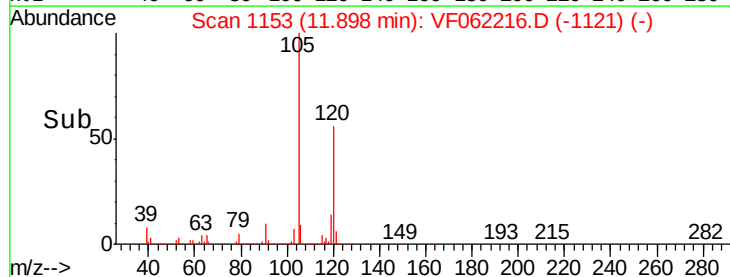
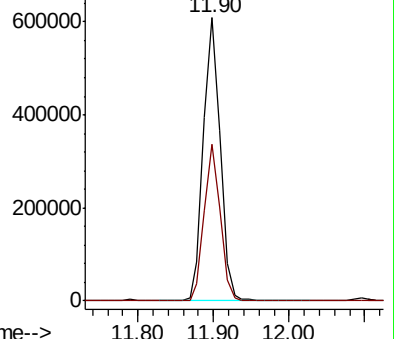
105 100

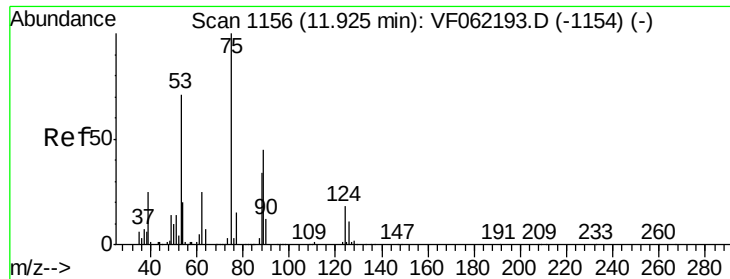
120 53.1 26.2 78.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

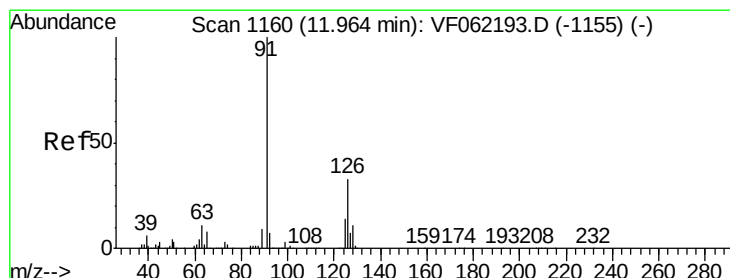
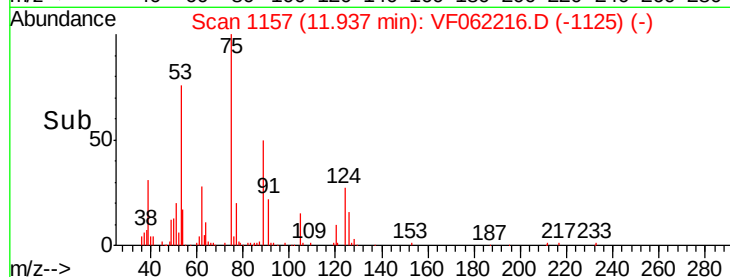
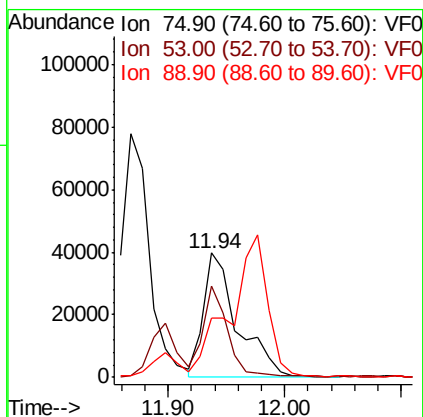
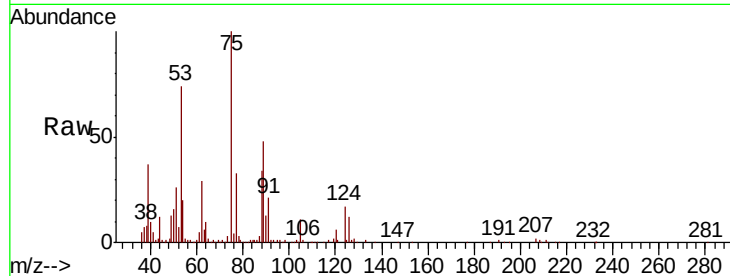




#81
trans-1,4-Dichloro-2-butene
Concen: 59.615 ug/l
RT: 11.94 min Scan# 1157
Delta R.T. 0.01 min
Lab File: VF062216.D
Acq: 18 Apr 2019 21:01

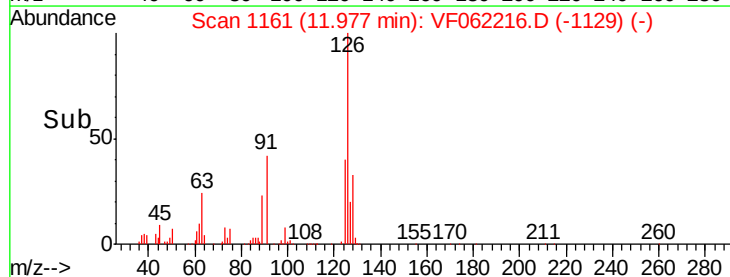
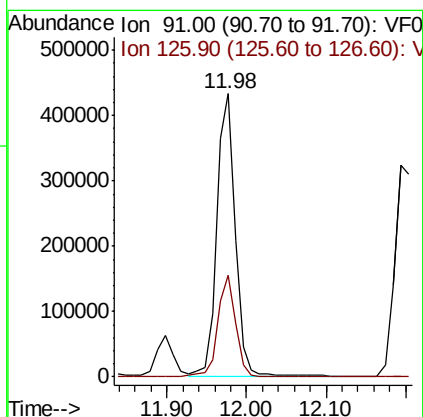
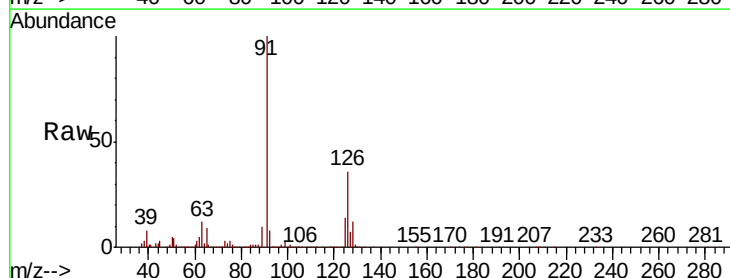
Instrument :
MSVOA_F
ClientSampleId :

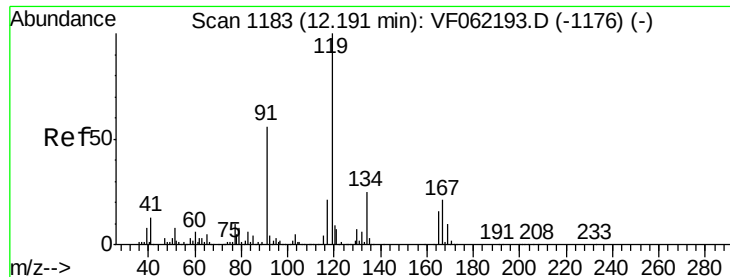
Tot Ion: 75 Resp: 80280
Ion Ratio Lower Upper
75 100
53 53.5 50.2 75.4
89 0.0 0.0 0.0



#82
4-Chlorotoluene
Concen: 51.055 ug/l
RT: 11.98 min Scan# 1161
Delta R.T. 0.01 min
Lab File: VF062216.D
Acq: 18 Apr 2019 21:01

Tgt Ion: 91 Resp: 704600
Ion Ratio Lower Upper
91 100
126 35.2 16.9 50.6

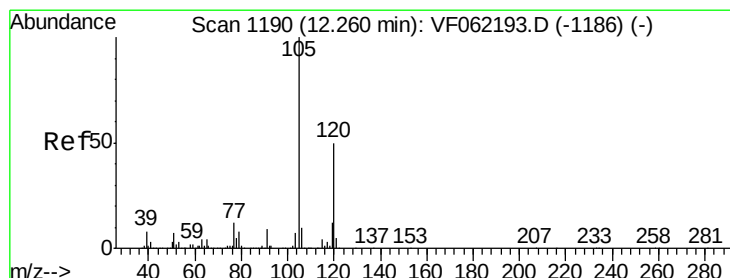
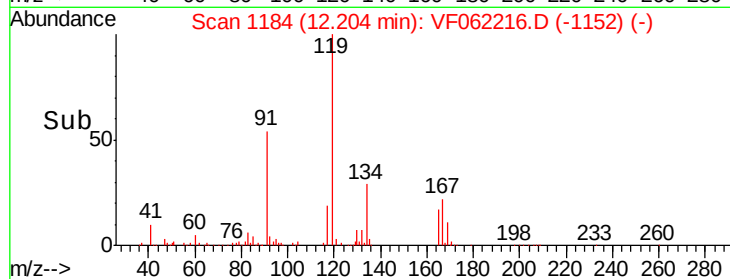
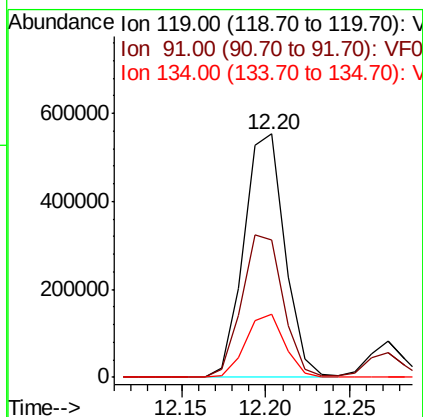
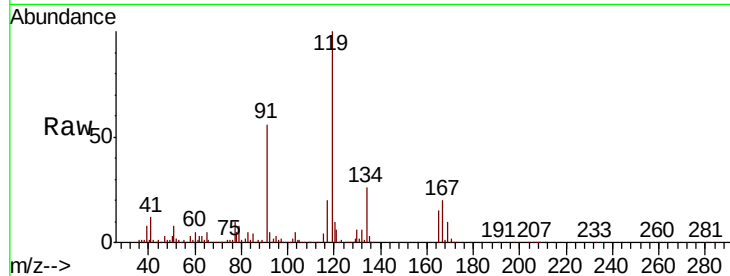




#83
 tert-Butylbenzene
 Concen: 48.825 ug/l
 RT: 12.20 min Scan# 1184
 Delta R.T. 0.01 min
 Lab File: VF062216.D
 Acq: 18 Apr 2019 21:01

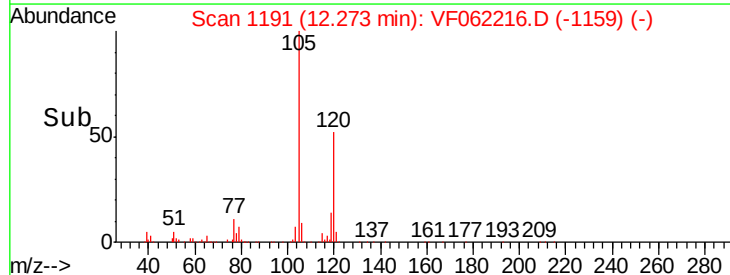
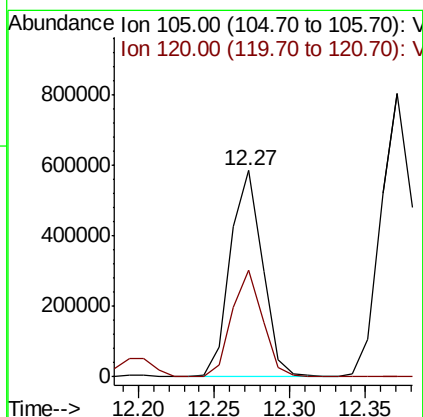
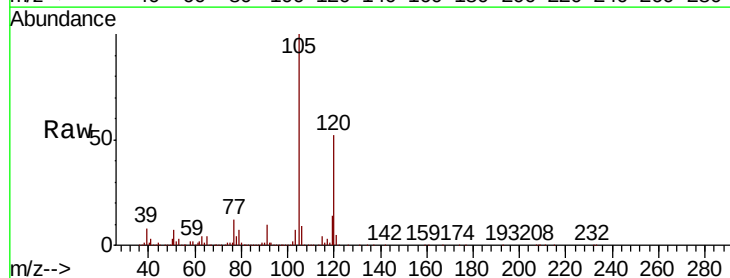
Instrument :
 MSVOA_F
 ClientSampleId :

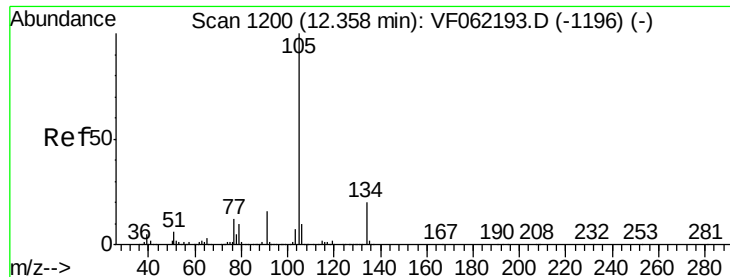
Tot Ion:119 Resp: 938473
 Ion Ratio Lower Upper
 119 100
 91 58.8 29.4 88.2
 134 24.8 11.8 35.3



#84
 1,2,4-Trimethylbenzene
 Concen: 48.006 ug/l
 RT: 12.27 min Scan# 1191
 Delta R.T. 0.01 min
 Lab File: VF062216.D
 Acq: 18 Apr 2019 21:01

Tgt Ion:105 Resp: 863448
 Ion Ratio Lower Upper
 105 100
 120 49.5 24.0 72.0





#85

sec-Butylbenzene

Concen: 48.529 ug/l

RT: 12.37 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VF062216.D

Acq: 18 Apr 2019 21:01

Instrument :

MSVOA_F

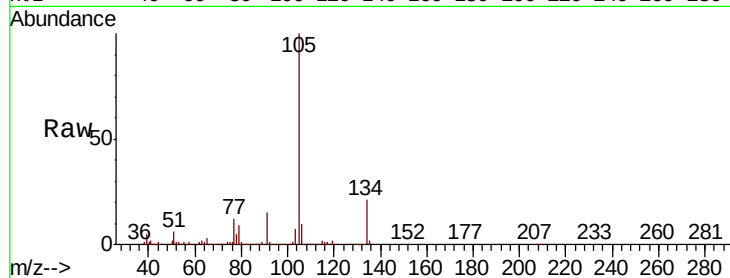
ClientSampleId :

Tot Ion:105 Resp: 1211000

Ion Ratio Lower Upper

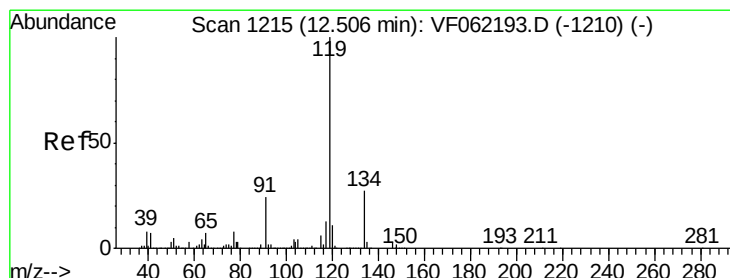
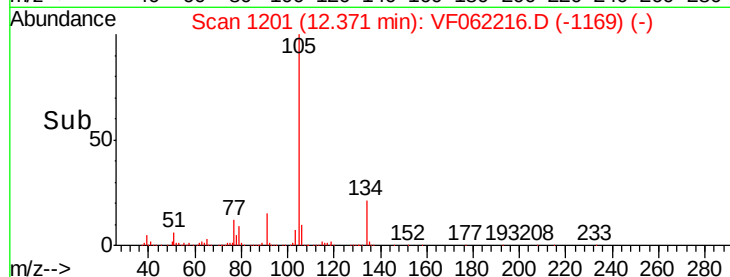
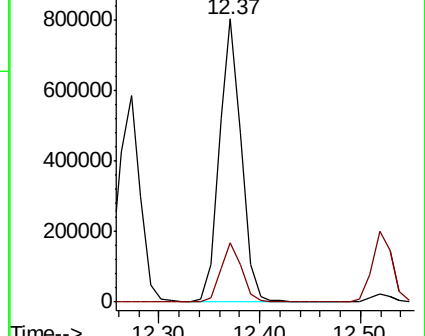
105 100

134 20.2 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 49.770 ug/l

RT: 12.52 min Scan# 1216

Delta R.T. 0.01 min

Lab File: VF062216.D

Acq: 18 Apr 2019 21:01

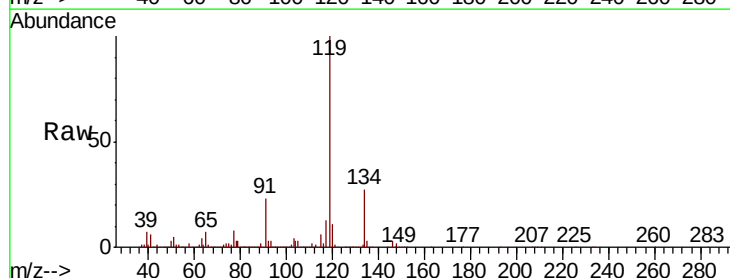
Tgt Ion:119 Resp: 1053521

Ion Ratio Lower Upper

119 100

134 26.3 13.2 39.5

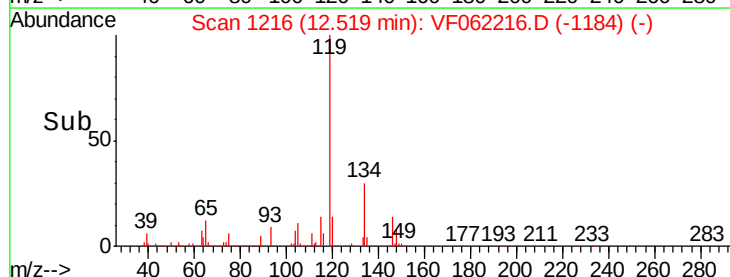
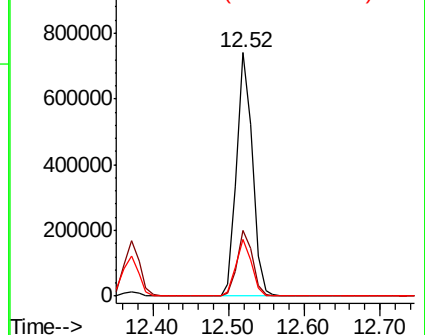
91 22.7 11.7 35.1

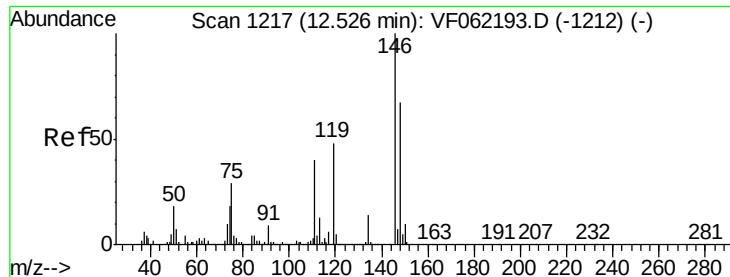


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

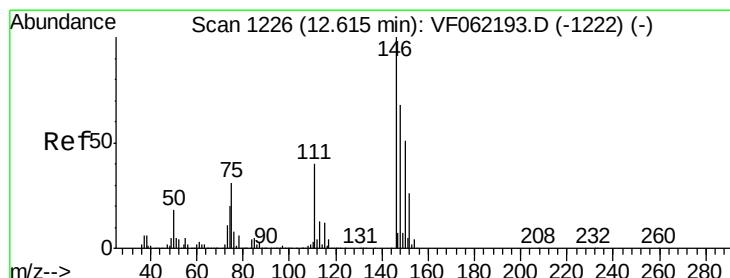
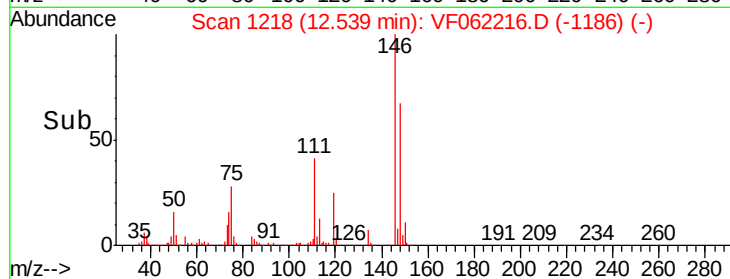
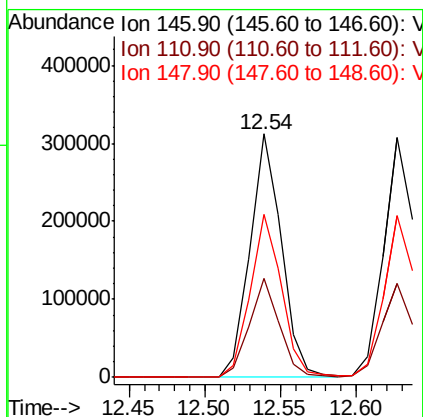
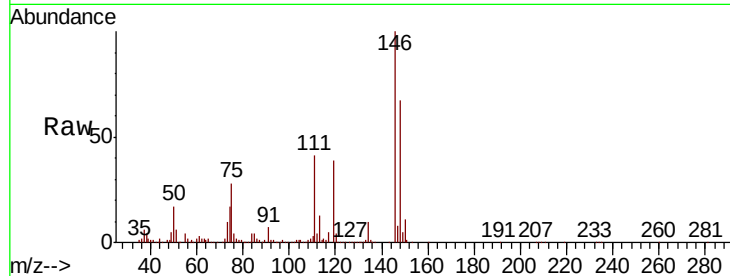




#87
 1,3-Dichlorobenzene
 Concen: 51.318 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. 0.01 min
 Lab File: VF062216.D
 Acq: 18 Apr 2019 21:01

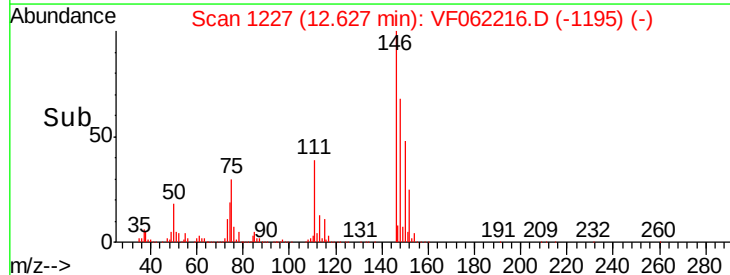
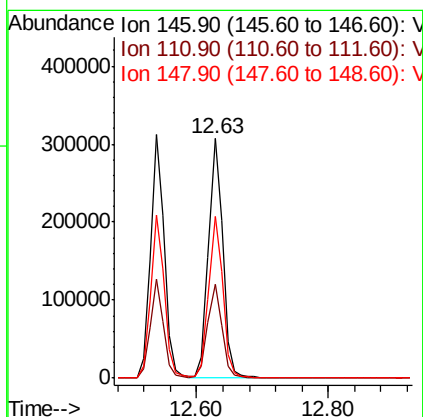
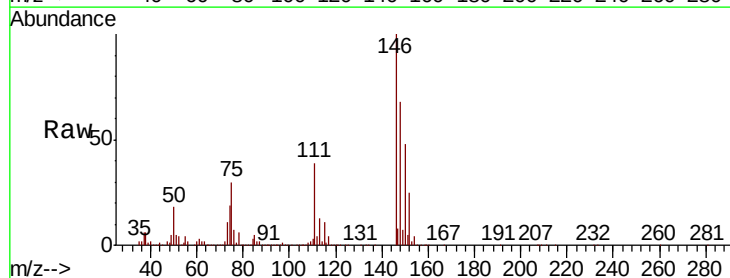
Instrument :
 MSVOA_F
 ClientSampleId :

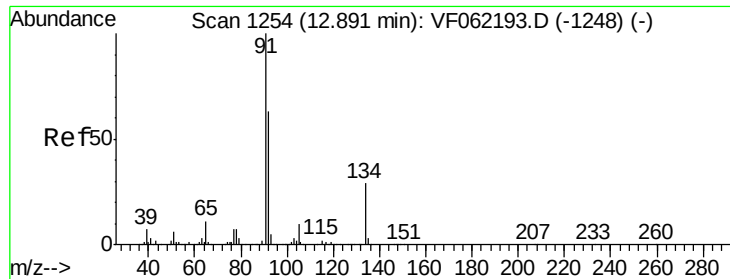
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.7	59.0
148	66.4	32.9	98.6



#88
 1,4-Dichlorobenzene
 Concen: 52.727 ug/l
 RT: 12.63 min Scan# 1227
 Delta R.T. 0.01 min
 Lab File: VF062216.D
 Acq: 18 Apr 2019 21:01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.1	20.0	60.0
148	66.2	33.6	100.8





#89

n-Butylbenzene

Concen: 53.982 ug/l

RT: 12.90 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VF062216.D

Acq: 18 Apr 2019 21:01

Instrument :

MSVOA_F

ClientSampleId :

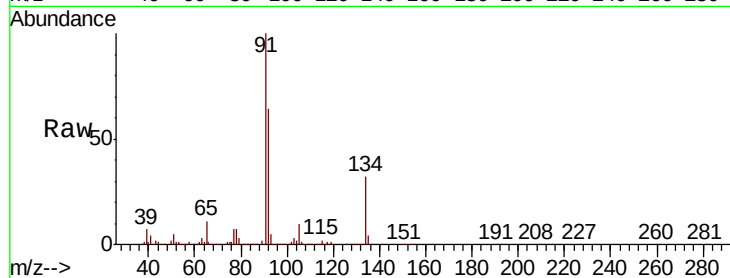
Tot Ion: 91 Resp: 932548

Ion Ratio Lower Upper

91 100

92 62.6 31.2 93.6

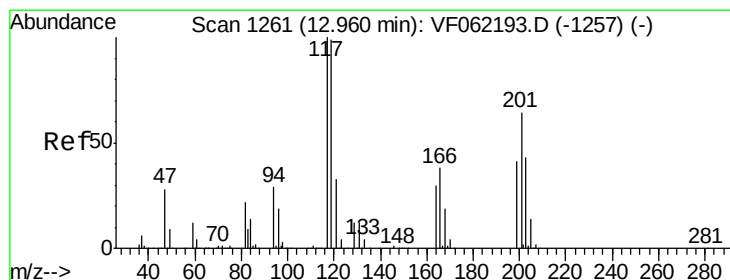
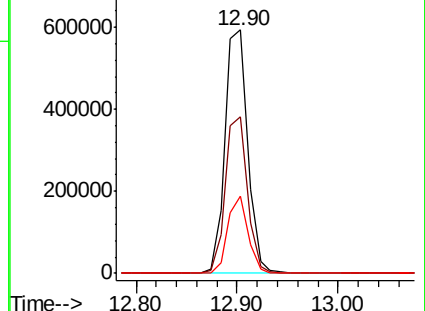
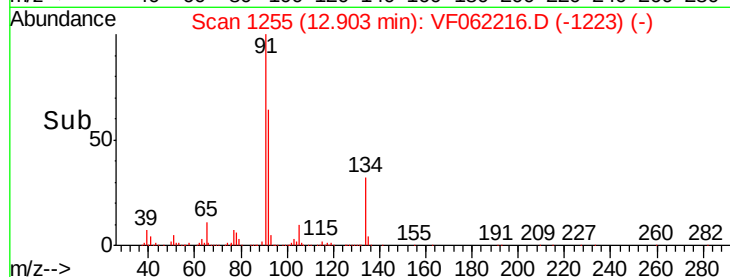
134 28.3 13.1 39.1



Abundance Ion 91.00 (90.70 to 91.70): VF062216.D (-1248) (-)

Ion 92.00 (91.70 to 92.70): VF062216.D (-1248) (-)

Ion 134.00 (133.70 to 134.70): VF062216.D (-1248) (-)



#90

Hexachloroethane

Concen: 50.065 ug/l

RT: 12.97 min Scan# 1262

Delta R.T. 0.01 min

Lab File: VF062216.D

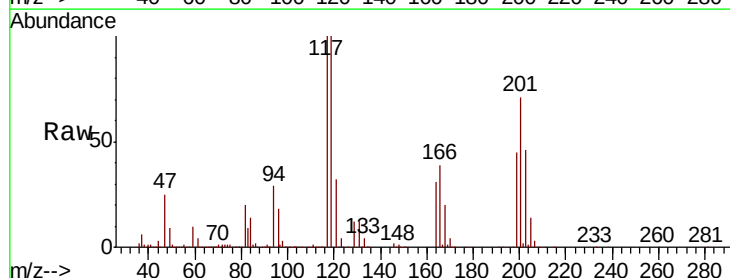
Acq: 18 Apr 2019 21:01

Tgt Ion: 117 Resp: 272136

Ion Ratio Lower Upper

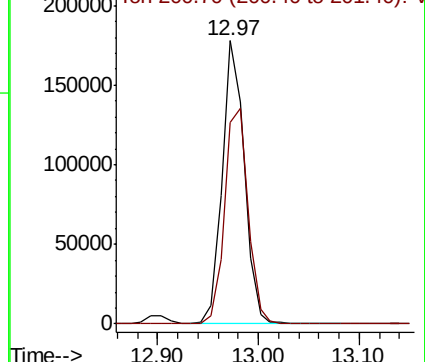
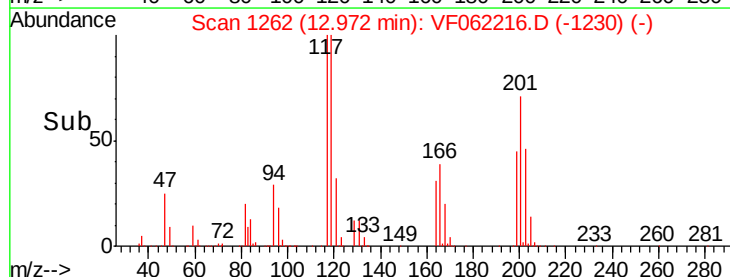
117 100

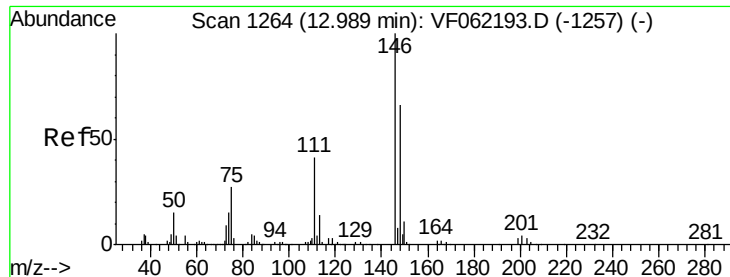
201 80.4 37.7 113.1



Abundance Ion 116.80 (116.50 to 117.50): VF062216.D (-1230) (-)

Ion 200.70 (200.40 to 201.40): VF062216.D (-1230) (-)





#91

1,2-Dichlorobenzene

Concen: 51.324 ug/l

RT: 13.00 min Scan# 1265

Delta R.T. 0.01 min

Lab File: VF062216.D

Acq: 18 Apr 2019 21:01

Instrument :

MSVOA_F

ClientSampleId :

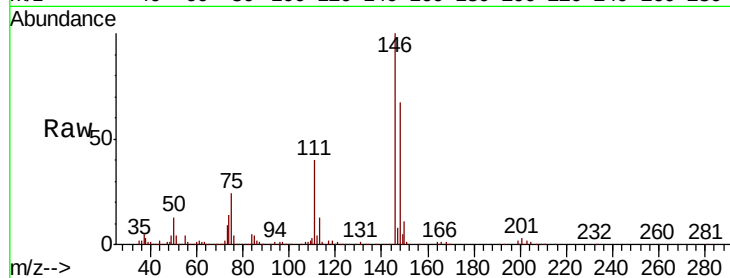
Tot Ion:146 Resp: 439643

Ion Ratio Lower Upper

146 100

111 41.1 20.8 62.5

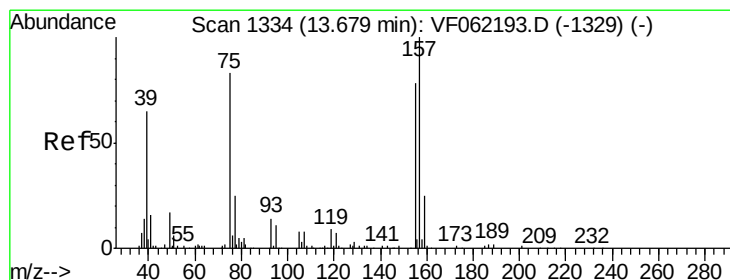
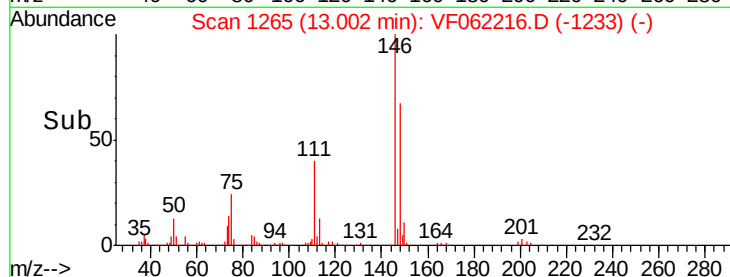
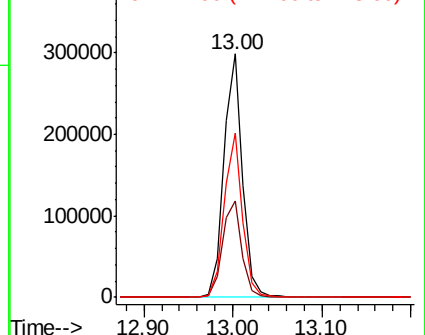
148 66.3 33.0 99.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 48.657 ug/l

RT: 13.69 min Scan# 1335

Delta R.T. 0.01 min

Lab File: VF062216.D

Acq: 18 Apr 2019 21:01

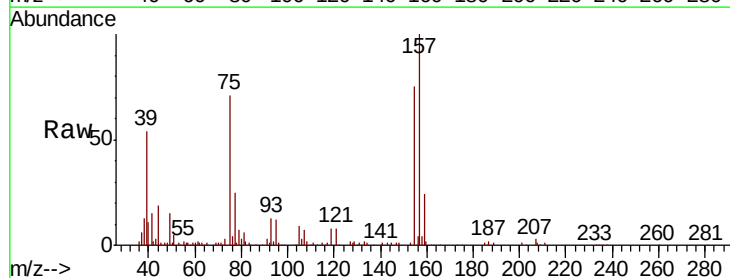
Tgt Ion: 75 Resp: 36689

Ion Ratio Lower Upper

75 100

155 104.4 47.6 142.8

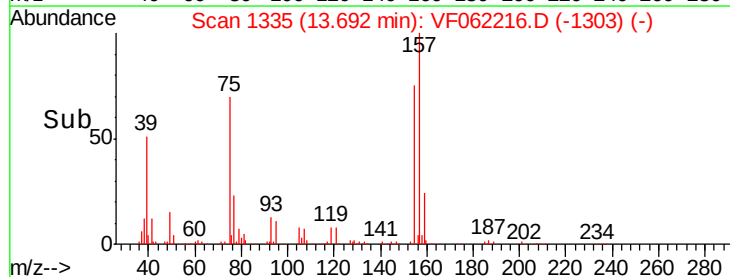
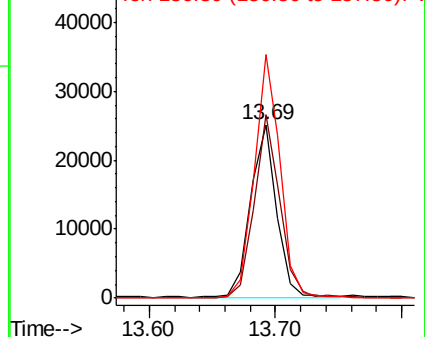
157 136.9 61.3 183.9

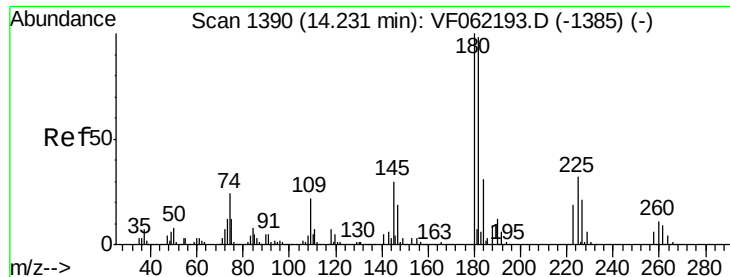


Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

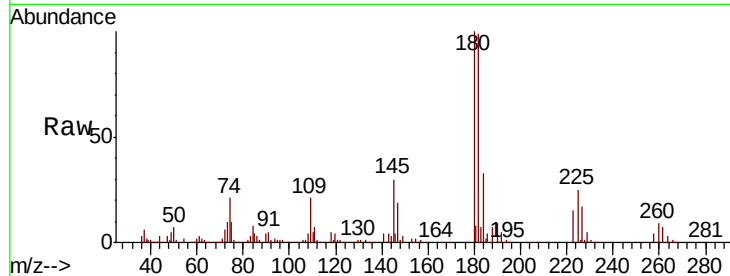




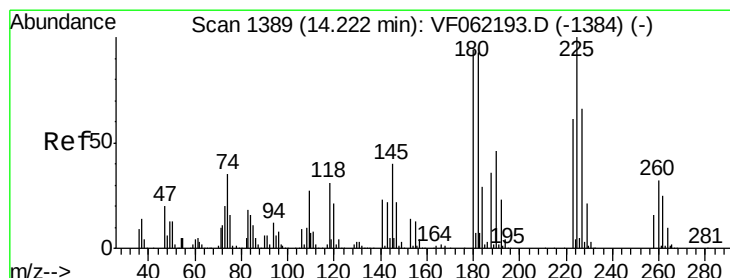
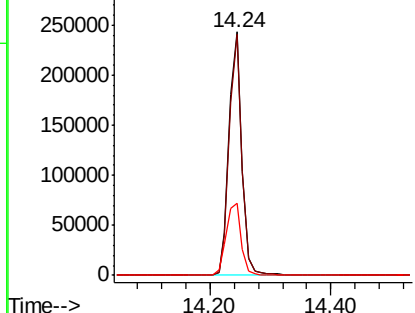
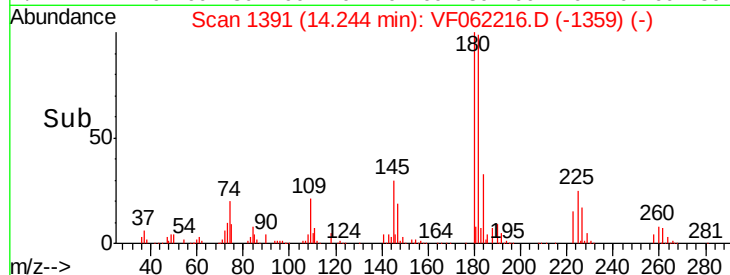
#93
 1,2,4-Trichlorobenzene
 Concen: 50.327 ug/l
 RT: 14.24 min Scan# 1391
 Delta R.T. 0.01 min
 Lab File: VF062216.D
 Acq: 18 Apr 2019 21:01

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion:180 Resp: 360697
 Ion Ratio Lower Upper
 180 100
 182 97.2 49.3 147.9
 145 34.7 18.1 54.4

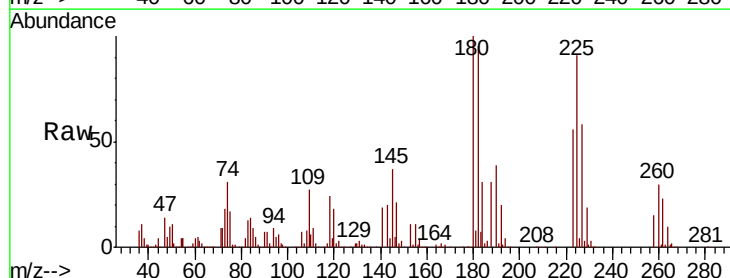


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

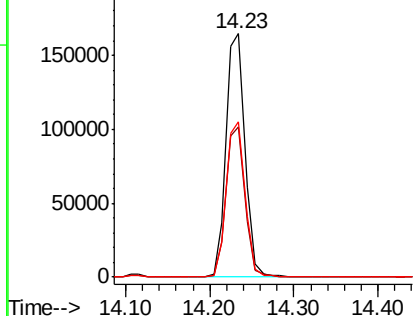
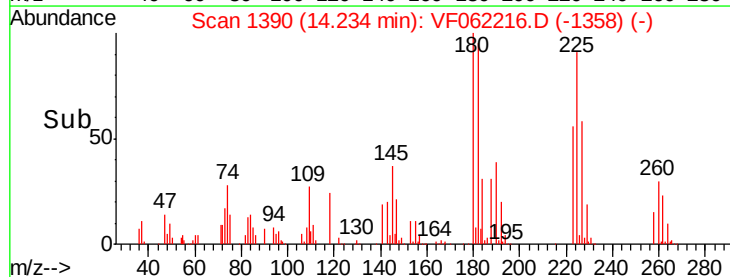


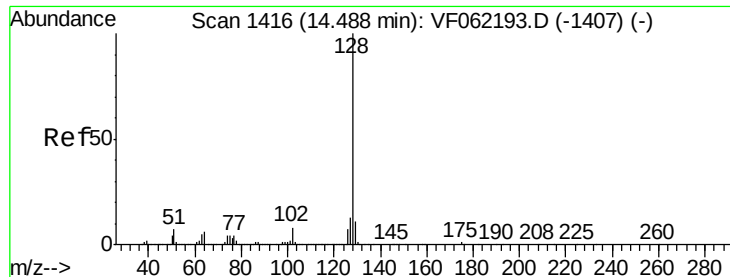
#94
 Hexachlorobutadiene
 Concen: 52.553 ug/l
 RT: 14.23 min Scan# 1390
 Delta R.T. 0.01 min
 Lab File: VF062216.D
 Acq: 18 Apr 2019 21:01

Tgt Ion:225 Resp: 258267
 Ion Ratio Lower Upper
 225 100
 223 61.8 31.0 93.0
 227 63.6 32.4 97.0



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

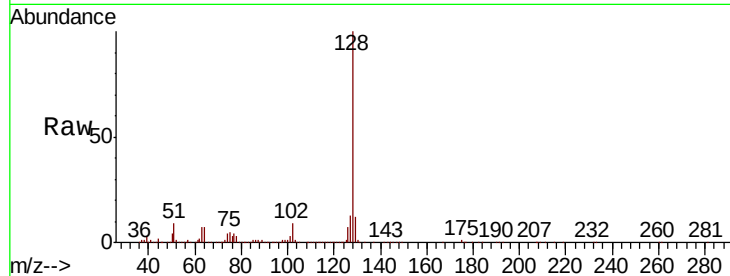




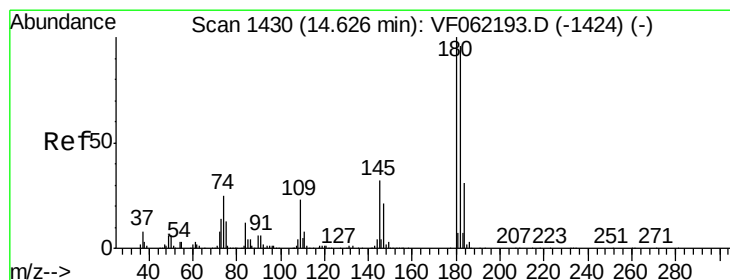
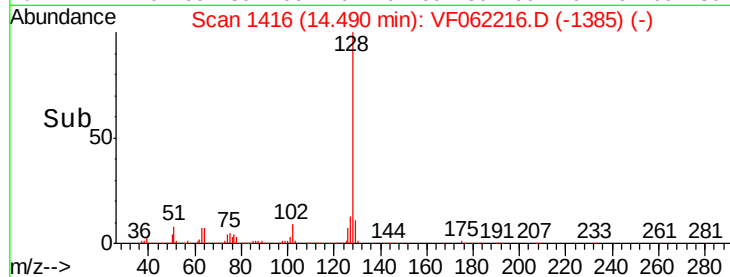
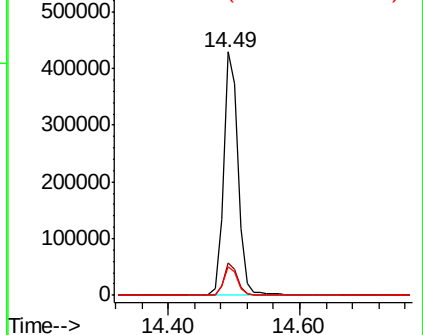
#95
Naphthalene
Concen: 52.441 ug/l
RT: 14.49 min Scan# 1416
Delta R.T. 0.00 min
Lab File: VF062216.D
Acq: 18 Apr 2019 21:01

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:128 Resp: 657177
Ion Ratio Lower Upper
128 100
127 12.9 10.4 15.6
129 11.4 9.2 13.8

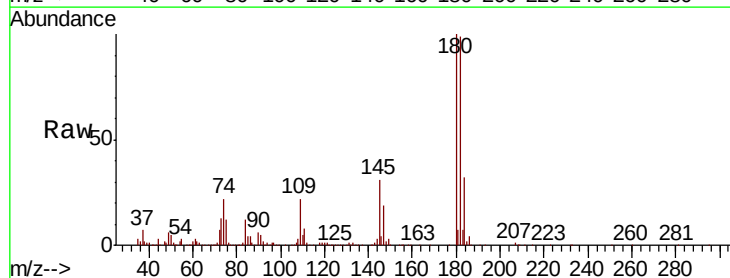


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 52.116 ug/l
RT: 14.64 min Scan# 1431
Delta R.T. 0.01 min
Lab File: VF062216.D
Acq: 18 Apr 2019 21:01

Tgt Ion:180 Resp: 358590
Ion Ratio Lower Upper
180 100
182 98.0 48.4 145.3
145 30.4 15.6 46.8



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

