

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF042919\
 Data File : VF062317.D
 Acq On : 29 Apr 2019 17:19
 Operator : FY/SY
 Sample : VF0429SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Apr 30 03:47:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F042419S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 25 08:40:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	370222	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.76	114	460436	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.89	117	396160	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.60	152	253758	50.00	ug/l	-0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	157418	52.49	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	104.98%	
35) Dibromofluoromethane	4.29	113	181920	53.29	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	106.58%	
50) Toluene-d8	7.70	98	425663	51.05	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	102.10%	
62) 4-Bromofluorobenzene	11.49	95	193177	56.20	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	112.40%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.00	85	89797	20.410	ug/l 93
3) Chloromethane	1.15	50	62161	16.771	ug/l 98
4) Vinyl Chloride	1.19	62	59141	16.848	ug/l 96
5) Bromomethane	1.38	94	46169	19.367	ug/l 88
6) Chloroethane	1.43	64	29932	19.452	ug/l # 88
7) Trichlorofluoromethane	1.55	101	111919	20.064	ug/l 85
8) Diethyl Ether	1.71	74	17368	17.187	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	1.90	101	67327	19.233	ug/l 97
10) Methyl Iodide	1.96	142	114436	18.702	ug/l 95
11) Tert butyl alcohol	2.69	59	16857	92.925	ug/l # 81
12) 1,1-Dichloroethene	1.86	96	56473	18.081	ug/l 87
13) Acrolein	2.09	56	13768	86.531	ug/l 97
14) Allyl chloride	2.19	41	96240	28.313	ug/l # 71
15) Acrylonitrile	3.08	53	41767	83.130	ug/l 98
16) Acetone	2.34	43	68207	101.585	ug/l 93
17) Carbon Disulfide	1.91	76	140269	17.064	ug/l 99
18) Methyl Acetate	2.45	43	26011	18.976	ug/l 97
19) Methyl tert-butyl Ether	2.54	73	120629	20.258	ug/l 100
20) Methylene Chloride	2.32	84	31242	6.285	ug/l 97
21) trans-1,2-Dichloroethene	2.42	96	53252	17.252	ug/l 96
22) Diisopropyl ether	2.93	45	166274	18.170	ug/l 92
23) Vinyl Acetate	3.33	43	365749	90.133	ug/l 99
24) 1,1-Dichloroethane	3.00	63	104867	20.078	ug/l 97
25) 2-Butanone	4.51	43	93980	88.275	ug/l 98
26) 2,2-Dichloropropane	3.76	77	63677	23.477	ug/l 94
27) cis-1,2-Dichloroethene	3.63	96	70429	18.018	ug/l 97
28) Bromochloromethane	3.88	49	39816	18.090	ug/l # 93
29) Tetrahydrofuran	4.25	42	37498	80.159	ug/l 91
30) Chloroform	4.03	83	137459	20.959	ug/l 94
31) Cyclohexane	3.87	56	86587	17.423	ug/l 98
32) 1,1,1-Trichloroethane	4.27	97	116193	22.565	ug/l # 86
36) 1,1-Dichloropropene	4.46	75	85694	20.173	ug/l 100
37) Ethyl Acetate	4.28	43	37506	20.987	ug/l # 67
38) Carbon Tetrachloride	4.17	117	129831	30.064	ug/l 95

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 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Apr 30 03:47:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F042419S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 25 08:40:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	99651	20.096	ug/l	96
40) Benzene	4.80	78	213872	20.839	ug/l	97
41) Methacrylonitrile	4.93	41	19222	19.361	ug/l #	88
42) 1,2-Dichloroethane	5.12	62	75360	23.178	ug/l	100
43) Isopropyl Acetate	7.10	43	37436	20.317	ug/l #	97
44) Trichloroethene	5.67	130	78402	22.579	ug/l	95
45) 1,2-Dichloropropane	6.39	63	45620	19.715	ug/l #	83
46) Dibromomethane	6.24	93	36951	22.115	ug/l	87
47) Bromodichloromethane	6.54	83	93486	23.800	ug/l	94
48) Methyl methacrylate	6.86	41	26534	20.266	ug/l #	81
49) 1,4-Dioxane	6.85	88	5434	360.429	ug/l	96
51) 4-Methyl-2-Pentanone	8.39	43	160503	113.987	ug/l	98
52) Toluene	7.76	92	123911	20.923	ug/l	96
53) t-1,3-Dichloropropene	8.41	75	72438	25.079	ug/l	98
54) cis-1,3-Dichloropropene	7.45	75	88763	23.988	ug/l	91
55) 1,1,2-Trichloroethane	8.62	97	41159	24.471	ug/l	96
56) Ethyl methacrylate	8.74	69	42950	23.244	ug/l	91
57) 1,3-Dichloropropane	8.98	76	58724	22.206	ug/l	94
58) 2-Chloroethyl Vinyl ether	7.44	63	63879	113.609	ug/l	99
59) 2-Hexanone	9.60	43	110083	120.739	ug/l	99
60) Dibromochloromethane	8.84	129	66679	24.426	ug/l	99
61) 1,2-Dibromoethane	9.11	107	46893	24.089	ug/l	94
64) Tetrachloroethene	8.29	164	73737	22.253	ug/l	98
65) Chlorobenzene	9.92	112	151073	20.868	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.05	131	76970	22.572	ug/l	98
67) Ethyl Benzene	10.02	91	271465	21.569	ug/l	93
68) m/p-Xylenes	10.24	106	209438	44.697	ug/l	98
69) o-Xylene	10.81	106	108534	20.732	ug/l	96
70) Styrene	10.88	104	164094	21.683	ug/l	100
71) Bromoform	10.87	173	42354	22.066	ug/l #	99
73) Isopropylbenzene	11.20	105	323729	18.620	ug/l	98
74) N-amyl acetate	11.44	43	67525	16.856	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.75	83	53574	19.395	ug/l	97
76) 1,2,3-Trichloropropane	11.85	75	37855	19.316	ug/l #	100
77) Bromobenzene	11.57	156	88701	20.408	ug/l	97
78) n-propylbenzene	11.66	91	357959	19.567	ug/l	99
79) 2-Chlorotoluene	11.78	91	226687	20.572	ug/l	100
80) 1,3,5-Trimethylbenzene	11.88	105	303493	20.678	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.93	75	22768	25.991	ug/l #	75
82) 4-Chlorotoluene	11.96	91	224180	20.560	ug/l	98
83) tert-Butylbenzene	12.19	119	312428	20.742	ug/l	100
84) 1,2,4-Trimethylbenzene	12.26	105	289440	20.361	ug/l	97
85) sec-Butylbenzene	12.35	105	380104	20.260	ug/l	99
86) p-Isopropyltoluene	12.51	119	364214	21.653	ug/l	98
87) 1,3-Dichlorobenzene	12.53	146	167087	21.729	ug/l	99
88) 1,4-Dichlorobenzene	12.61	146	155311	21.303	ug/l	98
89) n-Butylbenzene	12.89	91	316278	20.694	ug/l	97
90) Hexachloroethane	12.97	117	83143	19.719	ug/l	91
91) 1,2-Dichlorobenzene	12.99	146	144540	19.582	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.67	75	10888	19.539	ug/l	89

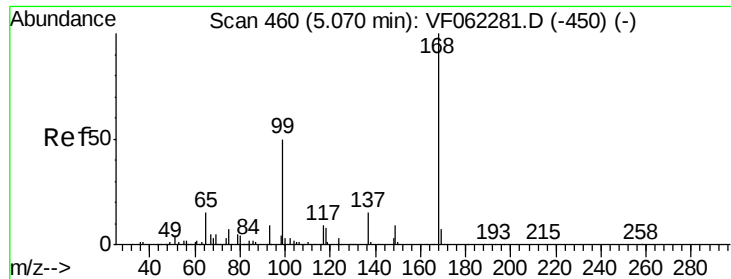
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF042919\
Data File : VF062317.D
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ClientSampleId :

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82F042419S.M
Quant Title : SW846 8260
QLast Update : Thu Apr 25 08:40:59 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.23	180	141127	21.764	ug/l	100
94) Hexachlorobutadiene	14.22	225	103776	22.253	ug/l	98
95) Naphthalene	14.48	128	201693	20.077	ug/l	100
96) 1,2,3-Trichlorobenzene	14.63	180	136621	22.277	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 457

Delta R.T. -0.03 min

Lab File: VF062317.D

Acq: 29 Apr 2019 17:19

Instrument :

MSVOA_F

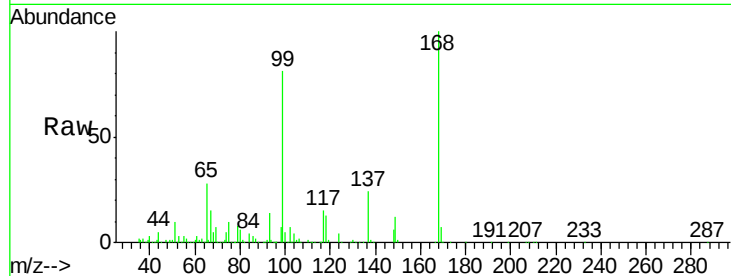
ClientSampleId :

Tot Ion:168 Resp: 370222

Ion Ratio Lower Upper

168 100

99 81.1 40.0 60.0#



Abundance Ion 167.90 (167.60 to 168.60): VF0

Ion 98.90 (98.60 to 99.60): VF0

5.04

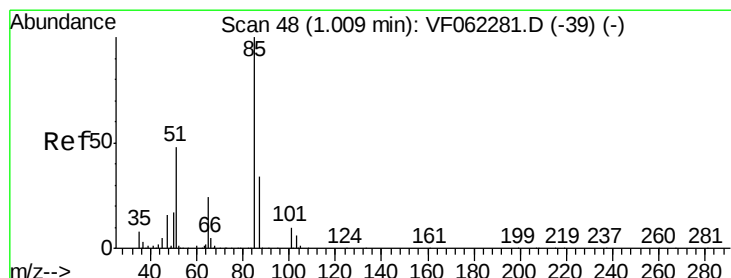
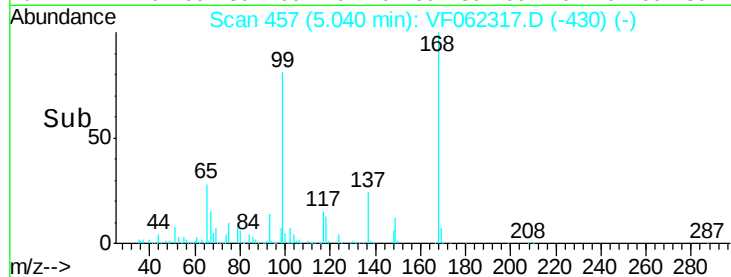
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 20.410 ug/l

RT: 1.00 min Scan# 47

Delta R.T. -0.01 min

Lab File: VF062317.D

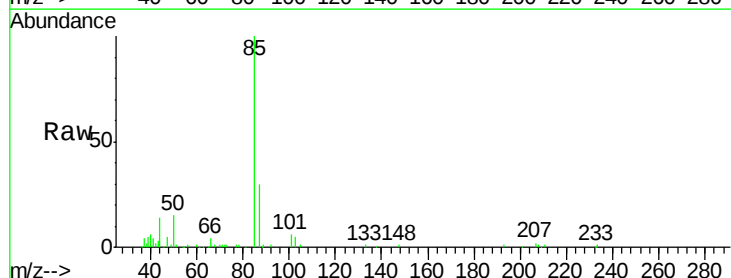
Acq: 29 Apr 2019 17:19

Tgt Ion: 85 Resp: 89797

Ion Ratio Lower Upper

85 100

87 30.4 17.1 51.3



Abundance Ion 84.90 (84.60 to 85.60): VF0

Ion 86.90 (86.60 to 87.60): VF0

1.00

30000

25000

20000

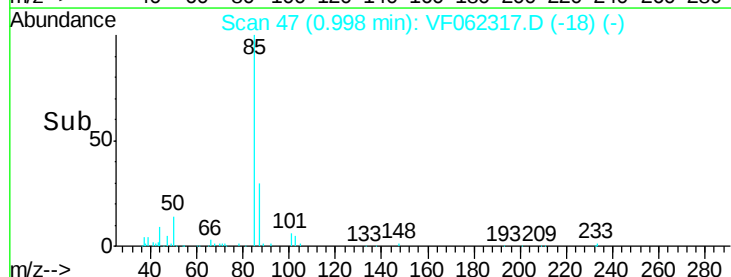
15000

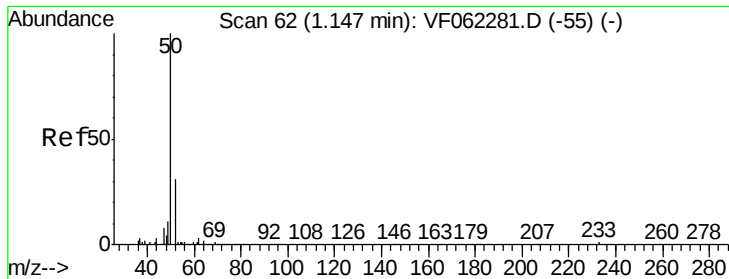
10000

5000

0

Time-->





#3

Chloromethane

Concen: 16.771 ug/l

RT: 1.15 min Scan# 62

Delta R.T. -0.00 min

Lab File: VF062317.D

Acq: 29 Apr 2019 17:19

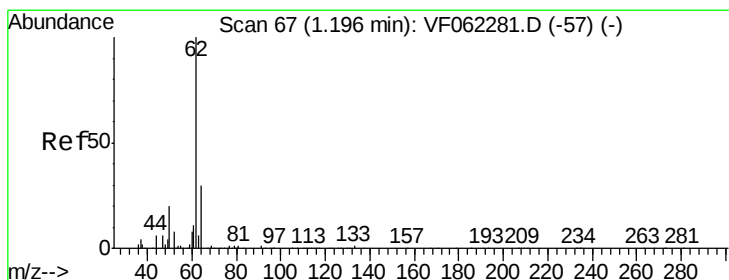
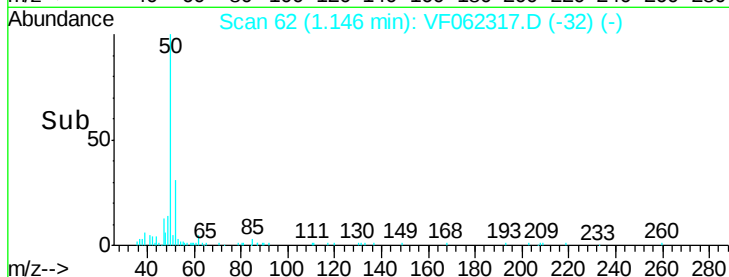
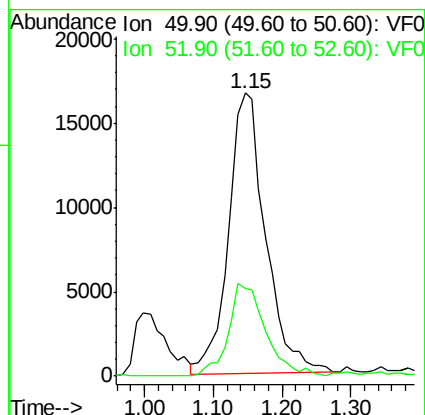
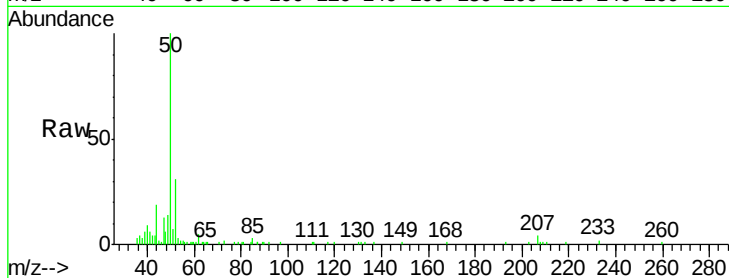
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 50 Resp: 62161

Ion Ratio Lower Upper

50 100

52 31.3 24.2 36.4



#4

Vinyl Chloride

Concen: 16.848 ug/l

RT: 1.19 min Scan# 66

Delta R.T. -0.01 min

Lab File: VF062317.D

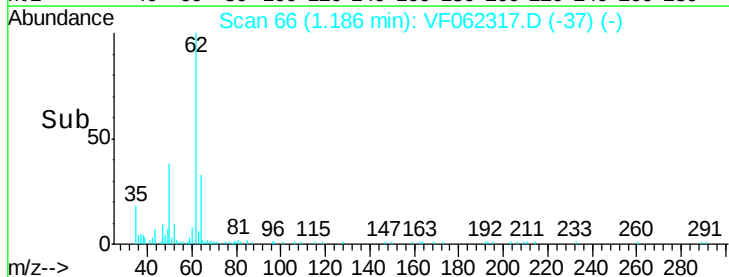
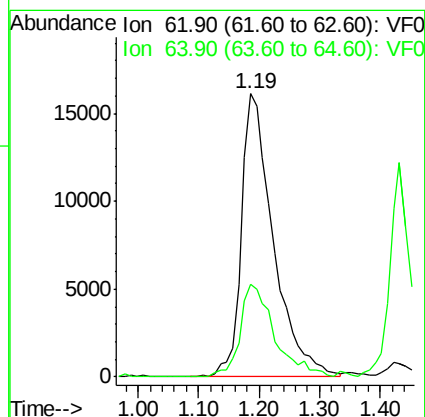
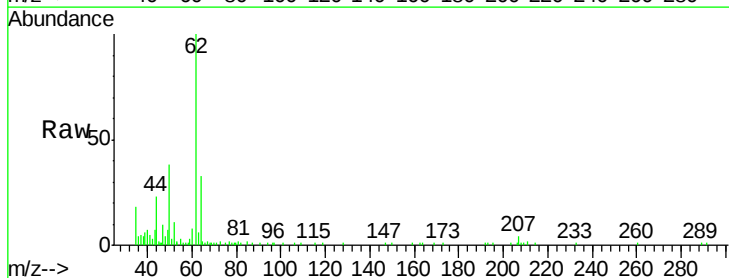
Acq: 29 Apr 2019 17:19

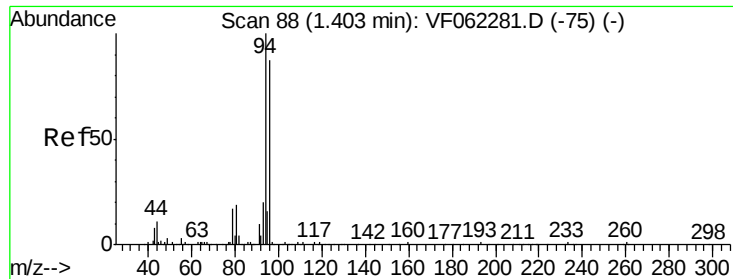
Tgt Ion: 62 Resp: 59141

Ion Ratio Lower Upper

62 100

64 32.6 24.3 36.5





#5

Bromomethane

Concen: 19.367 ug/l

RT: 1.38 min Scan# 86

Delta R.T. -0.02 min

Lab File: VF062317.D

Acq: 29 Apr 2019 17:19

Instrument :

MSVOA_F

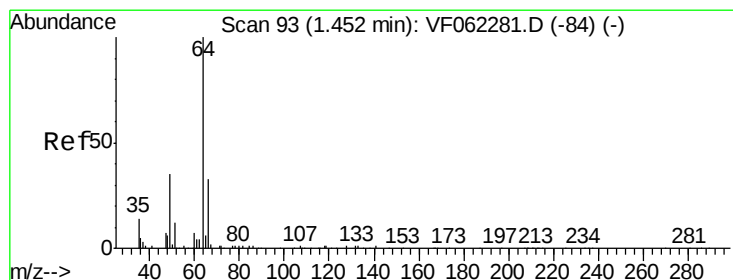
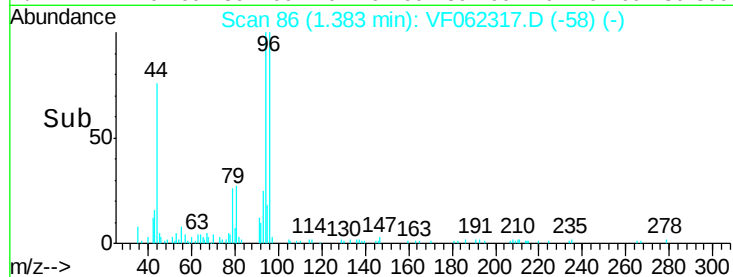
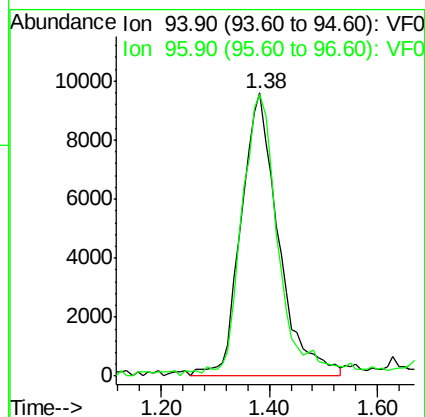
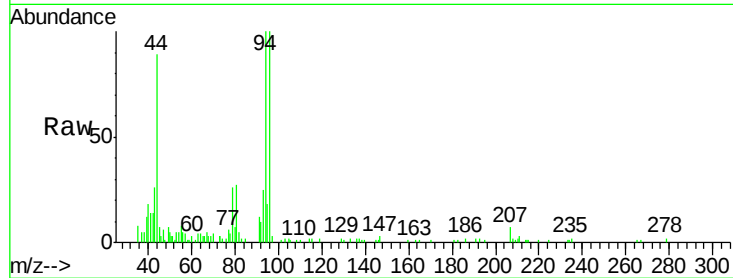
ClientSampleId :

Tot Ion: 94 Resp: 46169

Ion Ratio Lower Upper

94 100

96 98.0 69.5 104.3



#6

Chloroethane

Concen: 19.452 ug/l

RT: 1.43 min Scan# 91

Delta R.T. -0.02 min

Lab File: VF062317.D

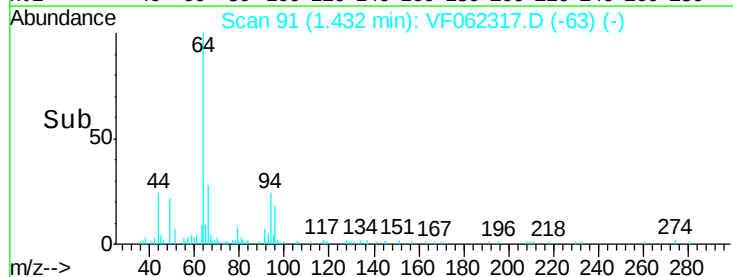
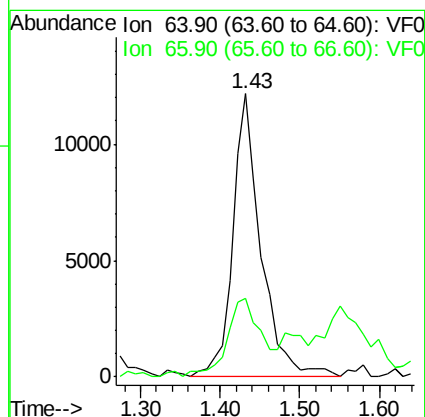
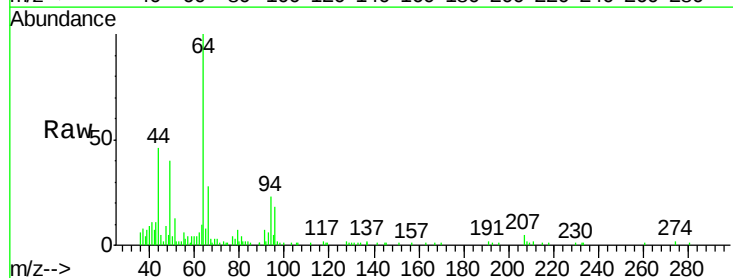
Acq: 29 Apr 2019 17:19

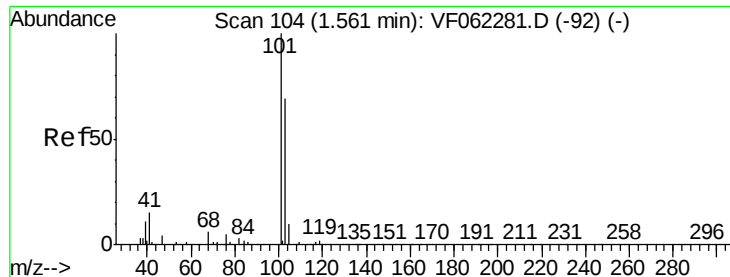
Tgt Ion: 64 Resp: 29932

Ion Ratio Lower Upper

64 100

66 25.9 26.0 39.0#



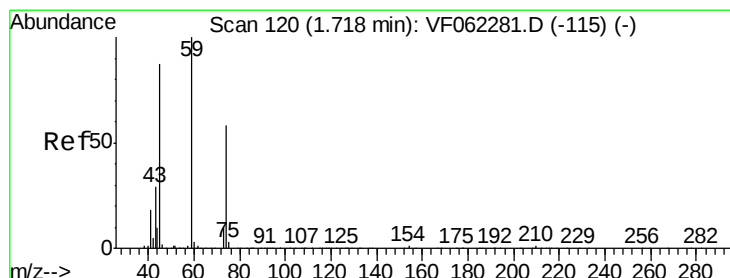
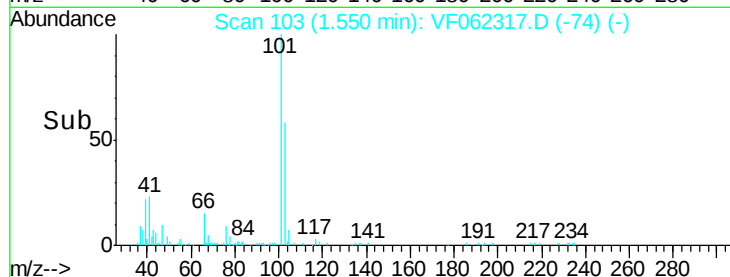
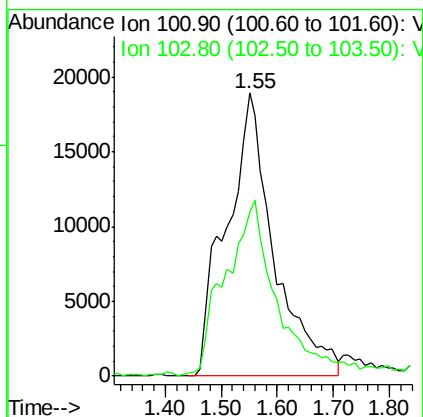
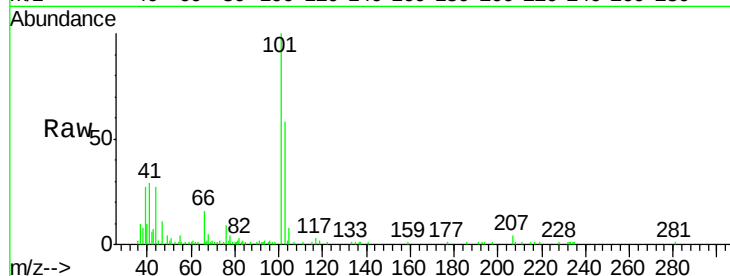


#7

Trichlorofluoromethane
 Concen: 20.064 ug/l
 RT: 1.55 min Scan# 103
 Delta R.T. -0.01 min
 Lab File: VF062317.D
 Acq: 29 Apr 2019 17:19

Instrument :
 MSVOA_F
 ClientSampled :

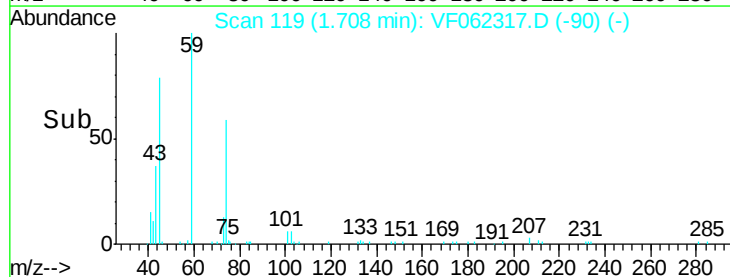
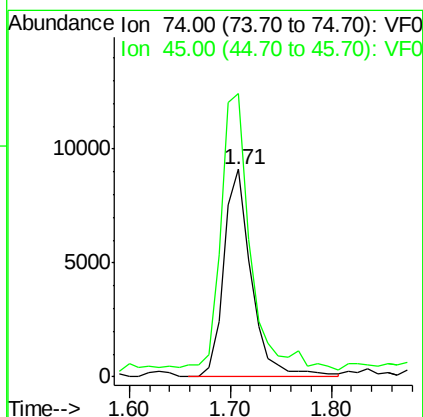
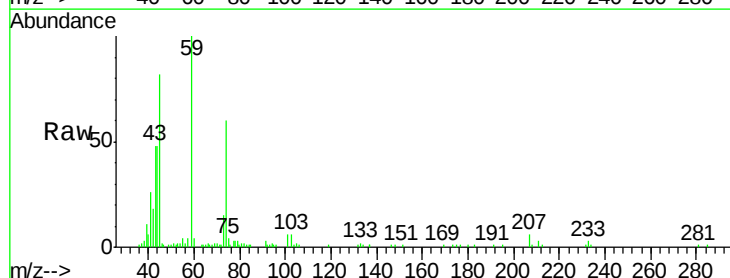
Tot Ion:101 Resp: 111919
 Ion Ratio Lower Upper
 101 100
 103 56.9 55.0 82.6

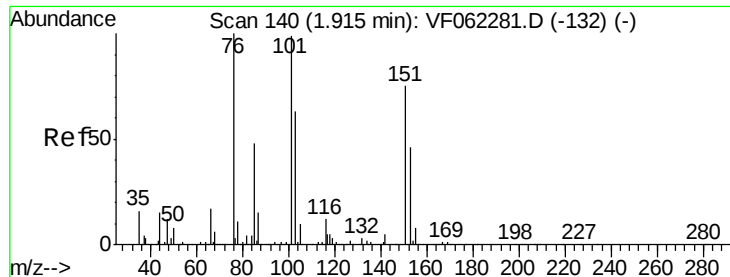


#8

Diethyl Ether
 Concen: 17.187 ug/l
 RT: 1.71 min Scan# 119
 Delta R.T. -0.01 min
 Lab File: VF062317.D
 Acq: 29 Apr 2019 17:19

Tgt Ion: 74 Resp: 17368
 Ion Ratio Lower Upper
 74 100
 45 143.4 74.0 222.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.233 ug/l

RT: 1.90 min Scan# 138

Delta R.T. -0.02 min

Lab File: VF062317.D

Acq: 29 Apr 2019 17:19

Instrument :

MSVOA_F

ClientSampleId :

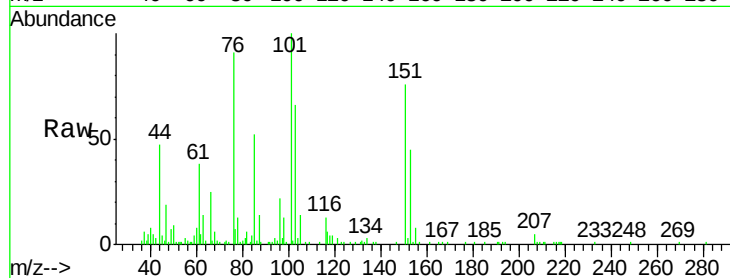
Tot Ion:101 Resp: 67327

Ion Ratio Lower Upper

101 100

85 48.2 36.5 54.7

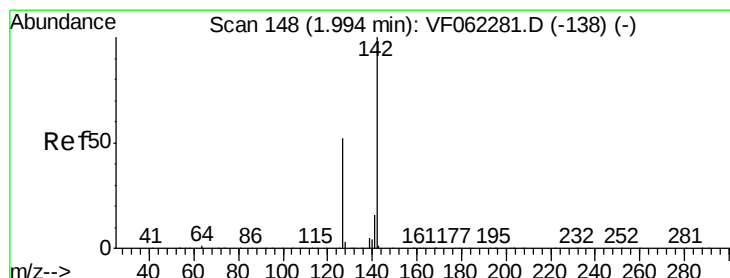
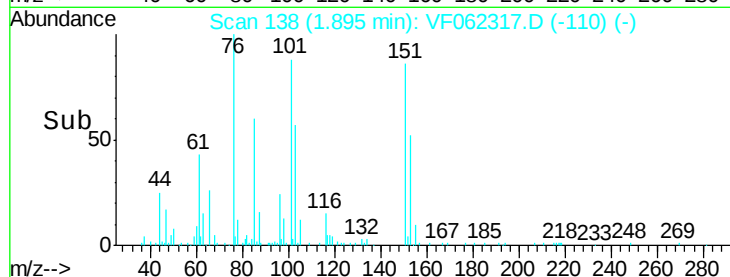
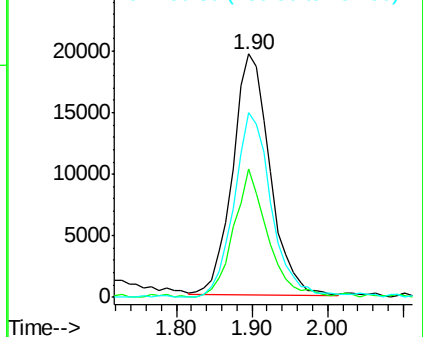
151 76.5 59.2 88.8



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: 18.702 ug/l

RT: 1.96 min Scan# 145

Delta R.T. -0.03 min

Lab File: VF062317.D

Acq: 29 Apr 2019 17:19

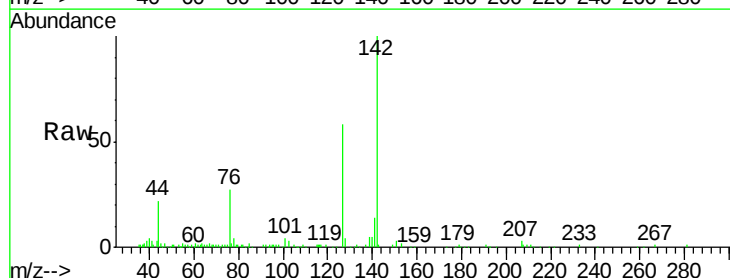
Tgt Ion:142 Resp: 114436

Ion Ratio Lower Upper

142 100

127 57.8 43.0 64.4

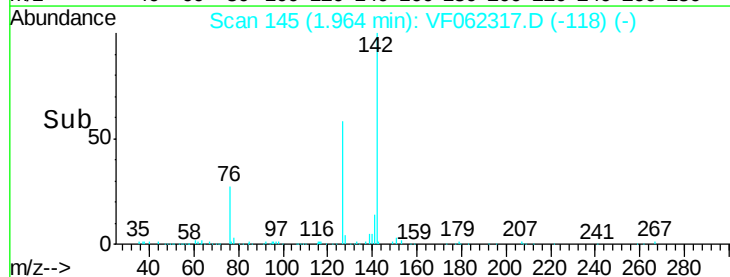
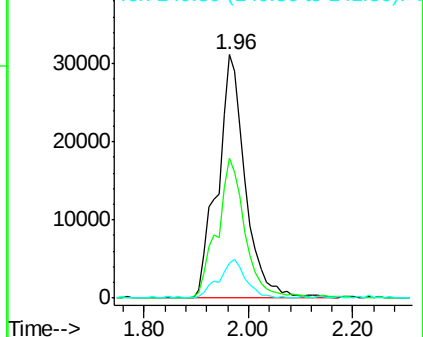
141 15.7 12.3 18.5

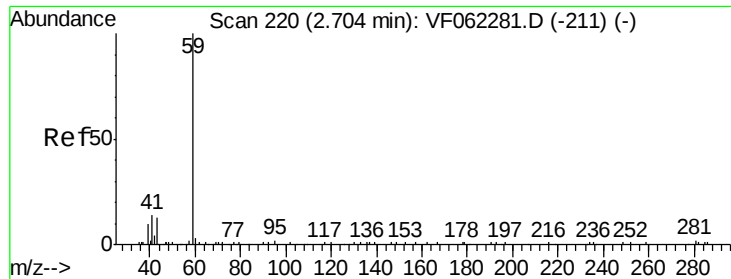


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

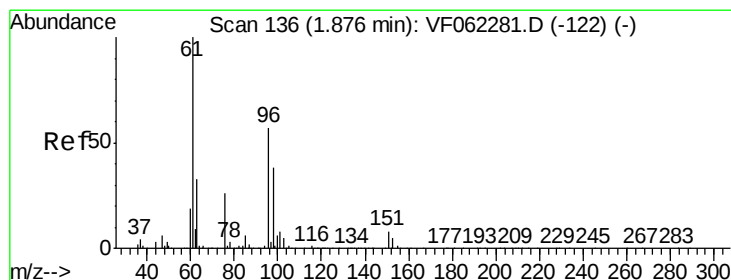
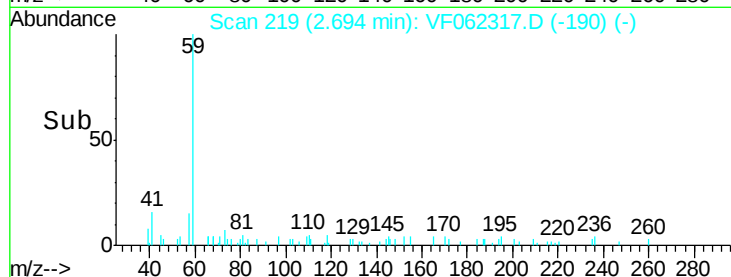
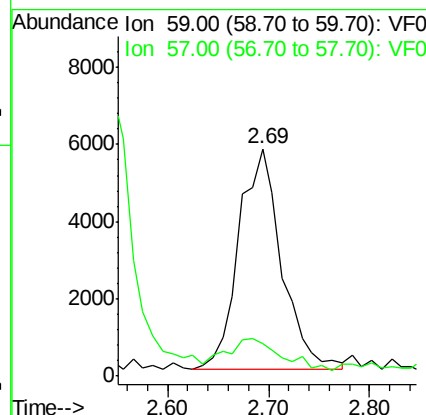
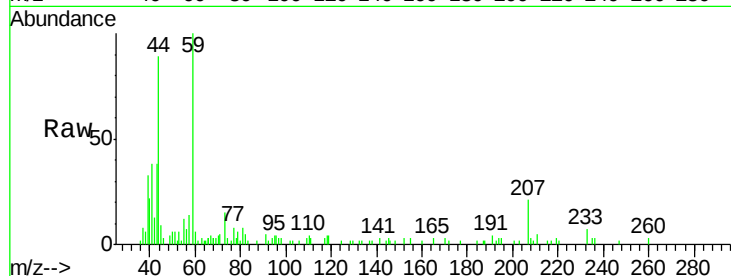




#11
Tert butyl alcohol
Concen: 92.925 ug/l
RT: 2.69 min Scan# 219
Delta R.T. -0.01 min
Lab File: VF062317.D
Acq: 29 Apr 2019 17:19

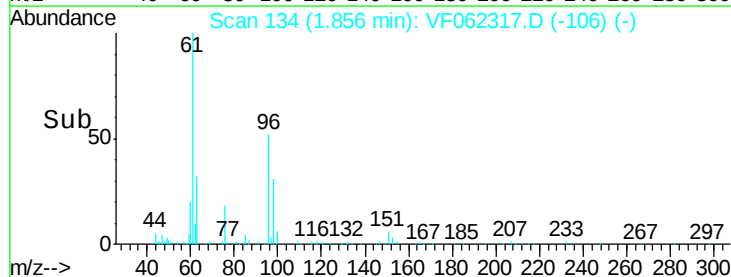
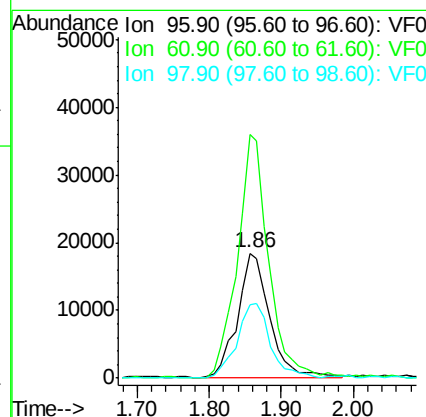
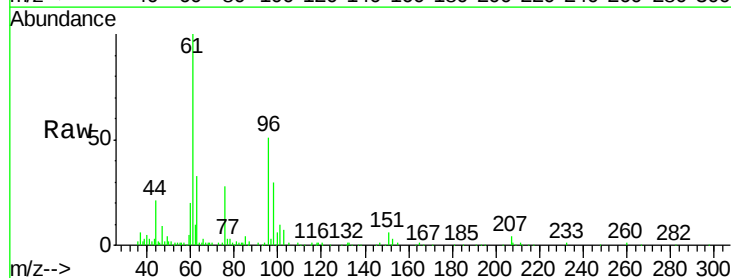
Instrument :
MSVOA_F
ClientSampled :

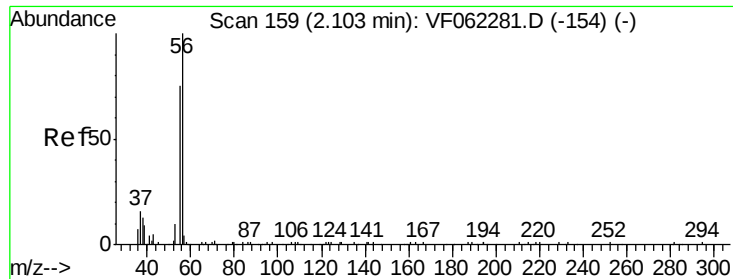
Tot Ion: 59 Resp: 16857
Ion Ratio Lower Upper
59 100
57 18.2 8.8 13.2#



#12
1,1-Dichloroethene
Concen: 18.081 ug/l
RT: 1.86 min Scan# 134
Delta R.T. -0.02 min
Lab File: VF062317.D
Acq: 29 Apr 2019 17:19

Tgt Ion: 96 Resp: 56473
Ion Ratio Lower Upper
96 100
61 195.6 141.1 211.7
98 58.1 53.4 80.0

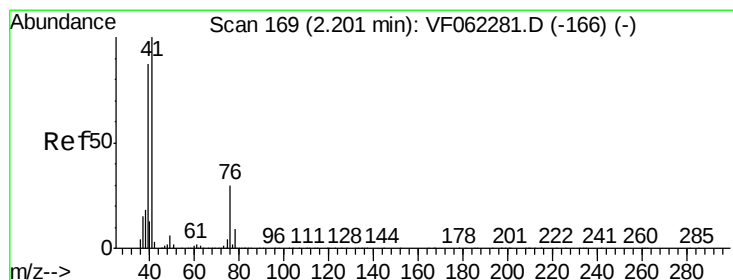
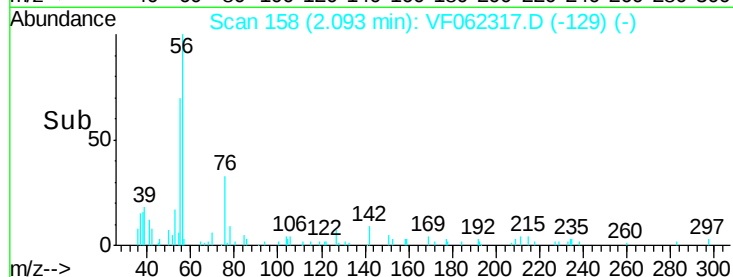
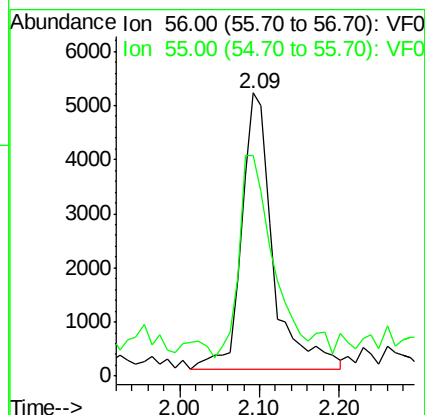
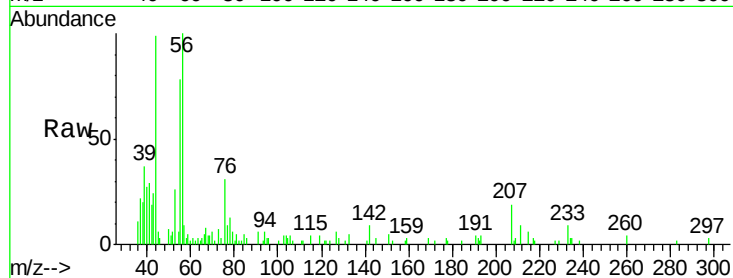




#13
Acrolein
Concen: 86.531 ug/l
RT: 2.09 min Scan# 158
Delta R.T. -0.01 min
Lab File: VF062317.D
Acq: 29 Apr 2019 17:19

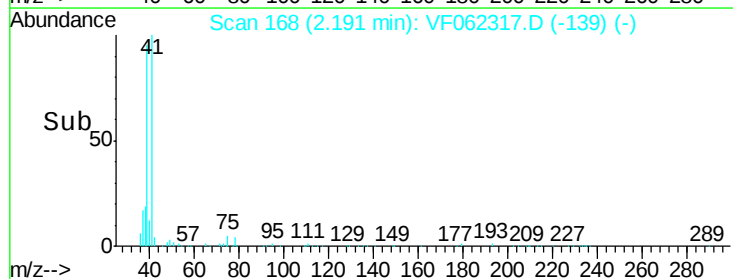
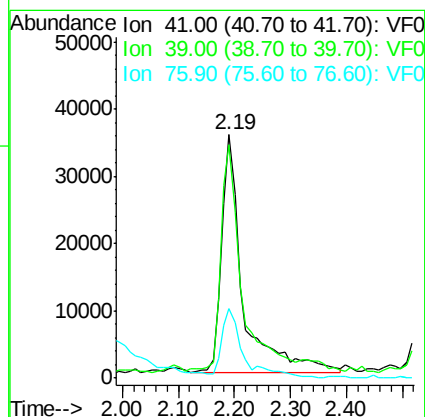
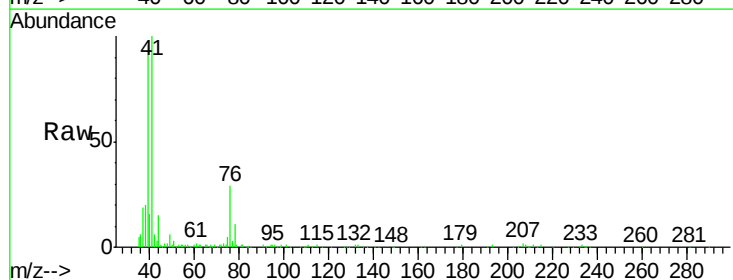
Instrument :
MSVOA_F
ClientSampleId :

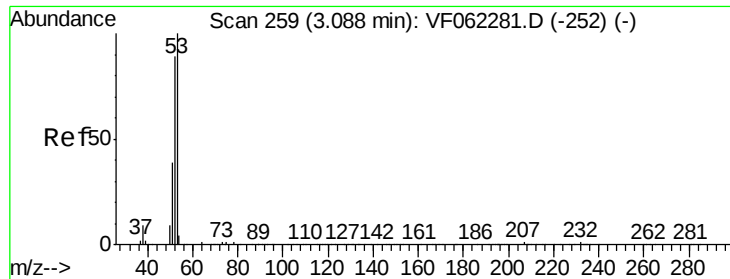
Tot Ion: 56 Resp: 13768
Ion Ratio Lower Upper
56 100
55 80.5 62.3 93.5



#14
Allyl chloride
Concen: 28.313 ug/l
RT: 2.19 min Scan# 168
Delta R.T. -0.01 min
Lab File: VF062317.D
Acq: 29 Apr 2019 17:19

Tgt Ion: 41 Resp: 96240
Ion Ratio Lower Upper
41 100
39 86.3 50.3 75.5#
76 29.5 14.8 22.2#





#15

Acrylonitrile

Concen: 83.130 ug/l

RT: 3.08 min Scan# 258

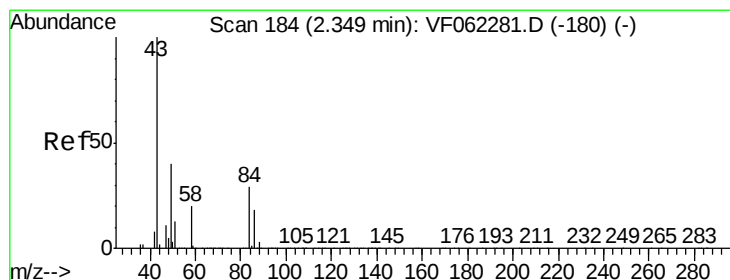
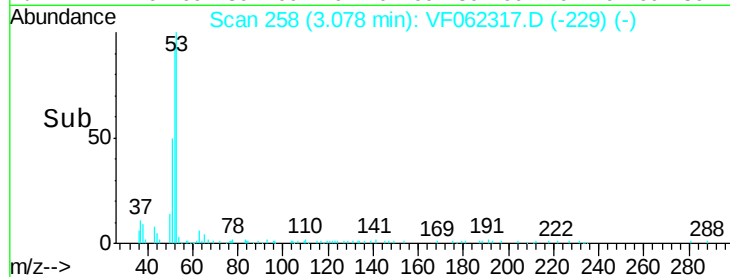
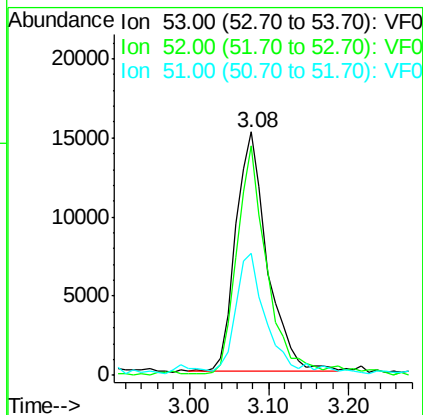
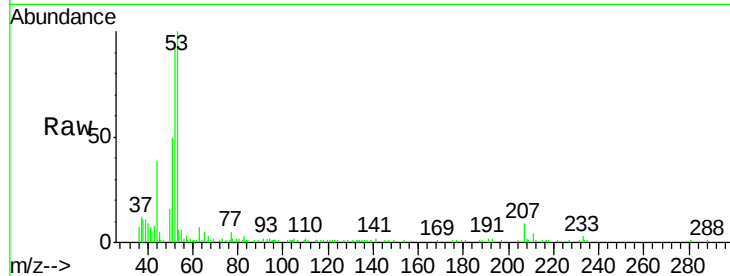
Delta R.T. -0.01 min

Lab File: VF062317.D

Acq: 29 Apr 2019 17:19

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	53	Resp:	41767
Ion	Ratio	Lower	Upper
53	100		
52	88.4	70.6	105.8
51	44.4	32.6	48.8



#16

Acetone

Concen: 101.585 ug/l

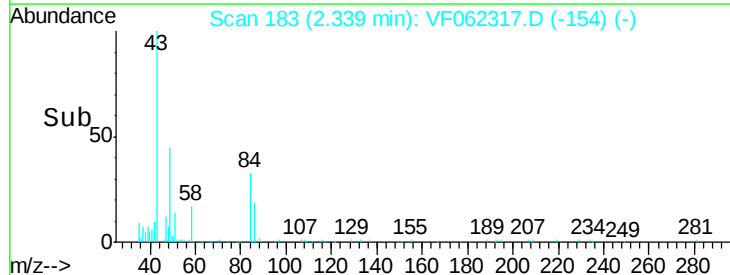
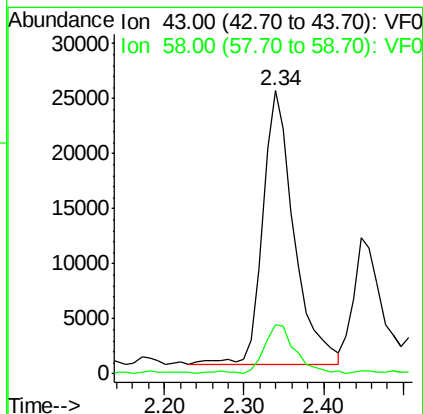
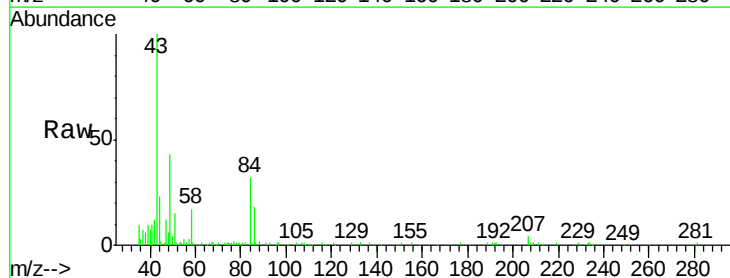
RT: 2.34 min Scan# 183

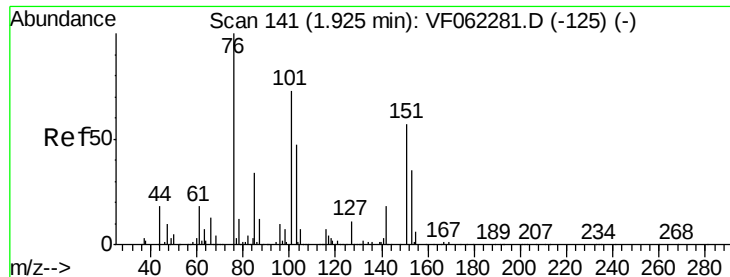
Delta R.T. -0.01 min

Lab File: VF062317.D

Acq: 29 Apr 2019 17:19

Tgt Ion:	43	Resp:	68207
Ion	Ratio	Lower	Upper
43	100		
58	17.1	16.4	24.6





#17

Carbon Disulfide

Concen: 17.064 ug/l

RT: 1.91 min Scan# 139

Delta R.T. -0.02 min

Lab File: VF062317.D

Acq: 29 Apr 2019 17:19

Instrument :

MSVOA_F

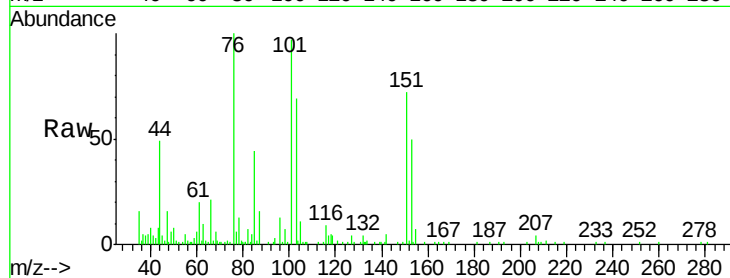
ClientSampled :

Tot Ion: 76 Resp: 140269

Ion Ratio Lower Upper

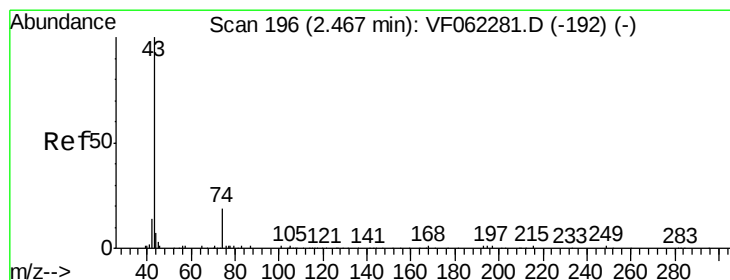
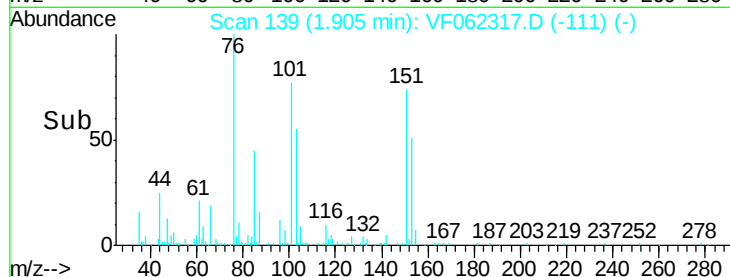
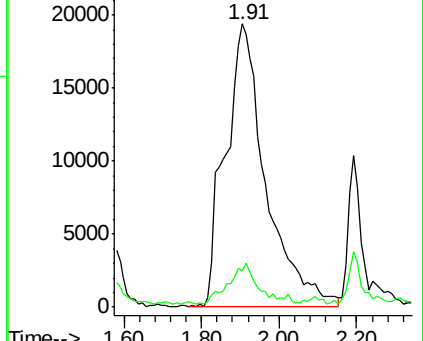
76 100

78 12.0 9.8 14.8



Abundance Ion 75.90 (75.60 to 76.60): VF0

Ion 77.90 (77.60 to 78.60): VF0



#18

Methyl Acetate

Concen: 18.976 ug/l

RT: 2.45 min Scan# 194

Delta R.T. -0.02 min

Lab File: VF062317.D

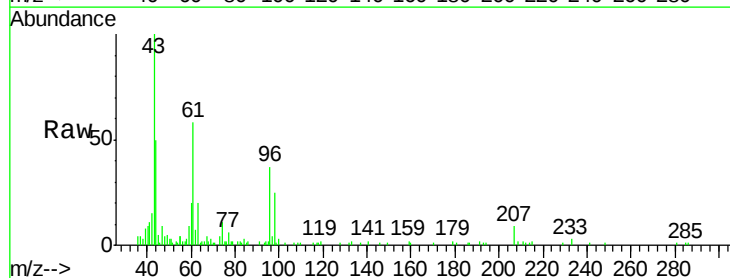
Acq: 29 Apr 2019 17:19

Tgt Ion: 43 Resp: 26011

Ion Ratio Lower Upper

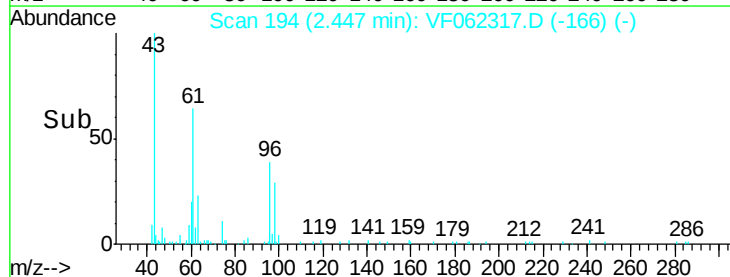
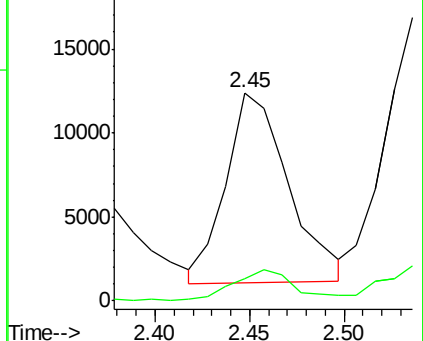
43 100

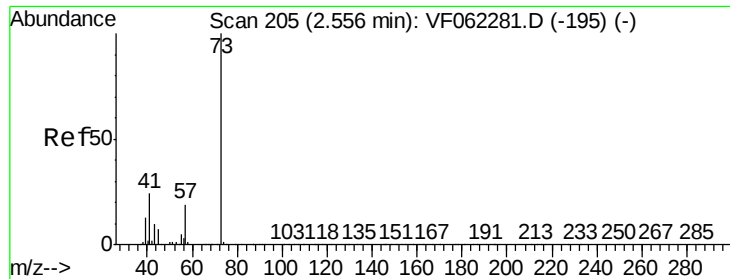
74 16.7 14.4 21.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0

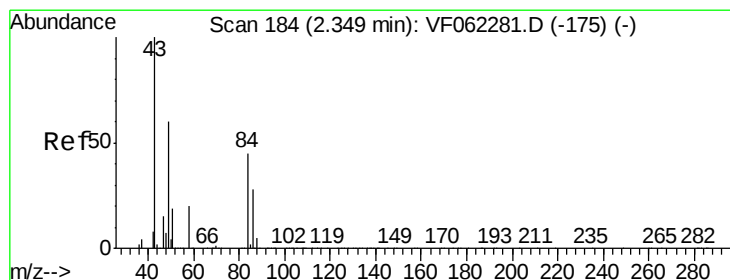
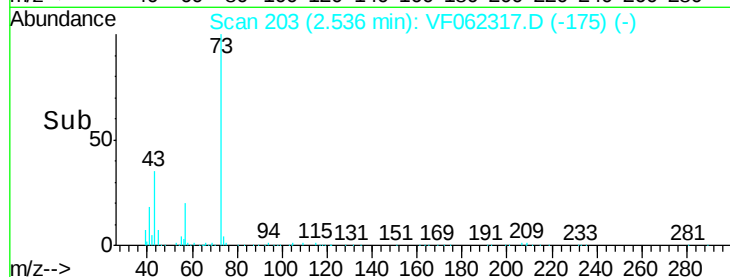
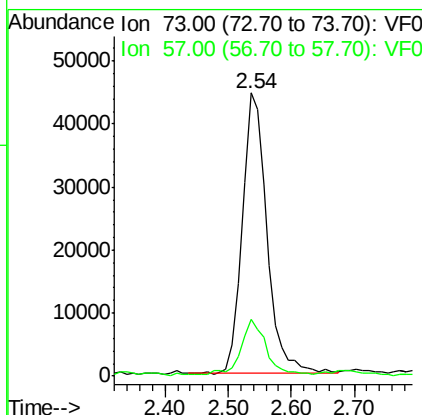
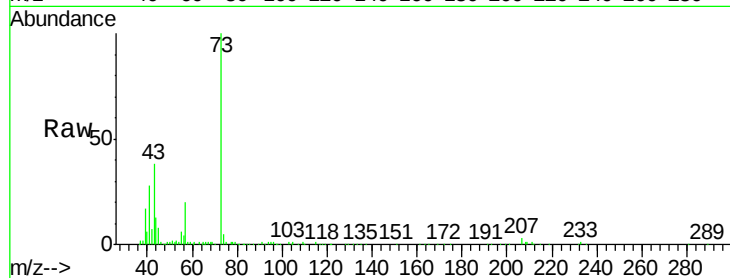




#19
Methvl tert-butvl Ether
Concen: 20.258 ug/l
RT: 2.54 min Scan# 203
Delta R.T. -0.02 min
Lab File: VF062317.D
Acq: 29 Apr 2019 17:19

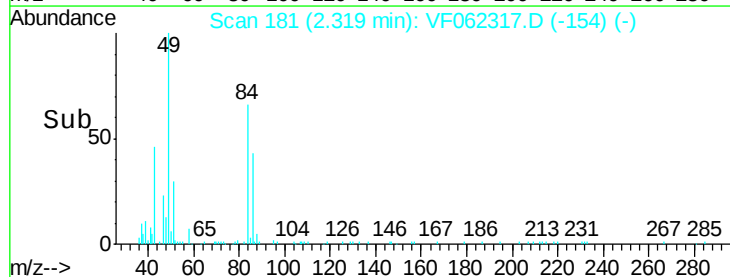
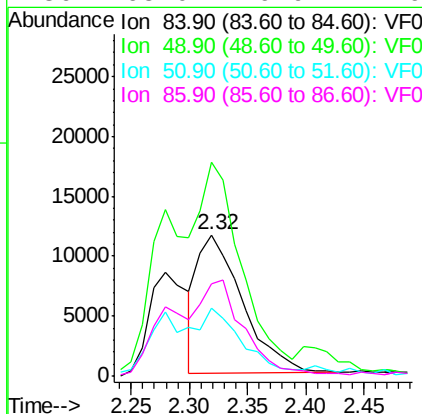
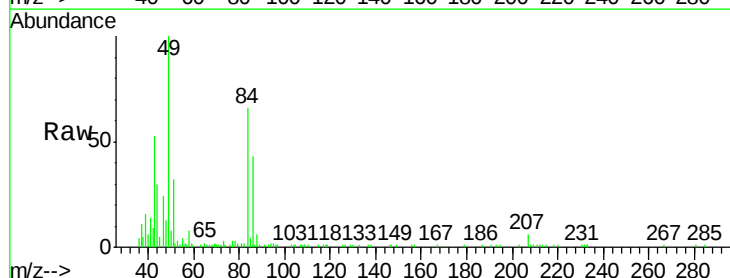
Instrument :
MSVOA_F
ClientSampleId :

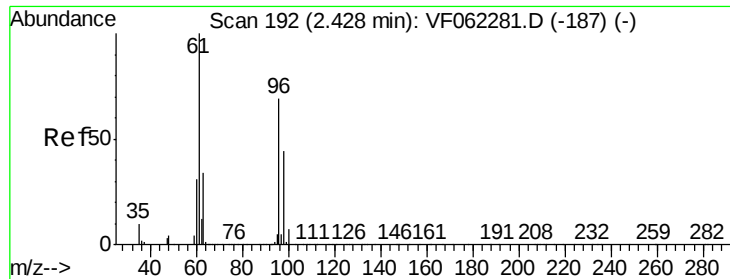
Tot Ion: 73 Resp: 120629
Ion Ratio Lower Upper
73 100
57 19.5 15.5 23.3



#20
Methylene Chloride
Concen: 6.285 ug/l
RT: 2.32 min Scan# 181
Delta R.T. -0.03 min
Lab File: VF062317.D
Acq: 29 Apr 2019 17:19

Tgt Ion: 84 Resp: 31242
Ion Ratio Lower Upper
84 100
49 144.7 112.1 168.1
51 46.7 35.9 53.9
86 65.0 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 17.252 ug/l

RT: 2.42 min Scan# 191

Delta R.T. -0.01 min

Lab File: VF062317.D

Acq: 29 Apr 2019 17:19

Instrument :

MSVOA_F

ClientSampleId :

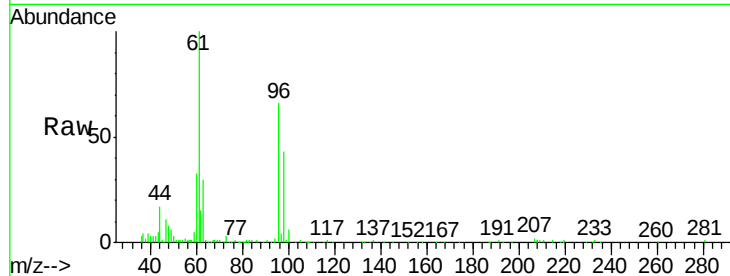
Tot Ion: 96 Resp: 53252

Ion Ratio Lower Upper

96 100

61 152.2 116.2 174.2

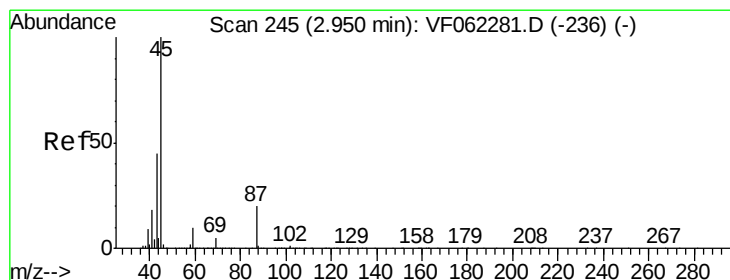
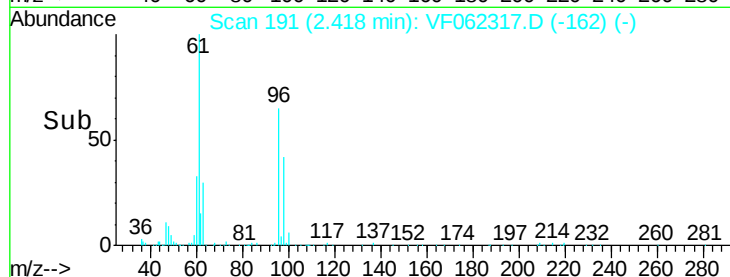
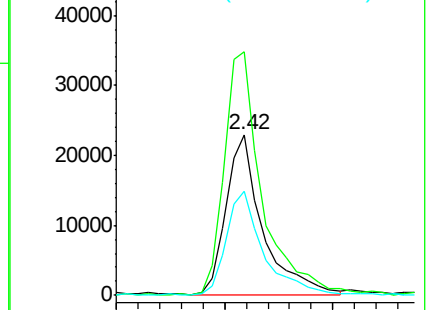
98 65.2 51.4 77.0



Abundance Ion 95.90 (95.60 to 96.60): VF0

Ion 60.90 (60.60 to 61.60): VF0

Ion 97.90 (97.60 to 98.60): VF0



#22

Diisopropyl ether

Concen: 18.170 ug/l

RT: 2.93 min Scan# 243

Delta R.T. -0.02 min

Lab File: VF062317.D

Acq: 29 Apr 2019 17:19

Tgt Ion: 45 Resp: 166274

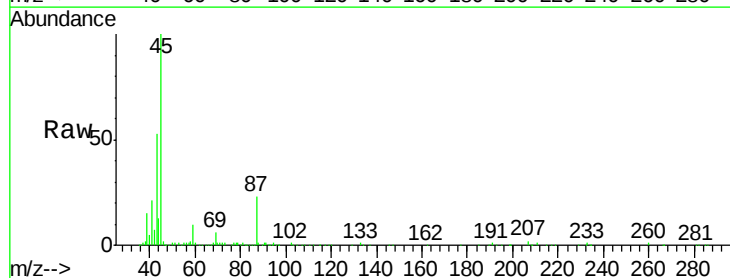
Ion Ratio Lower Upper

45 100

43 51.5 36.2 54.2

87 22.9 15.8 23.6

59 9.8 7.8 11.8

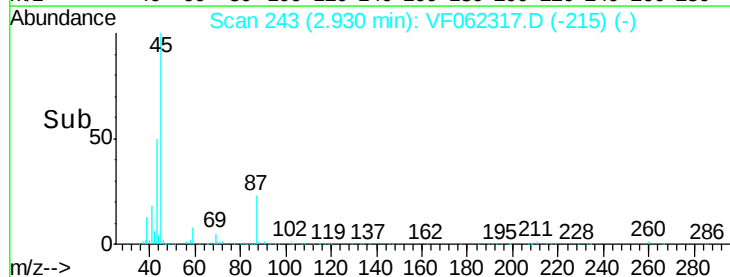
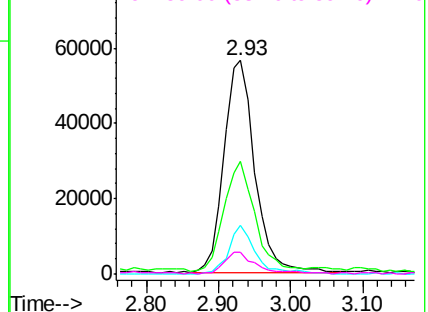


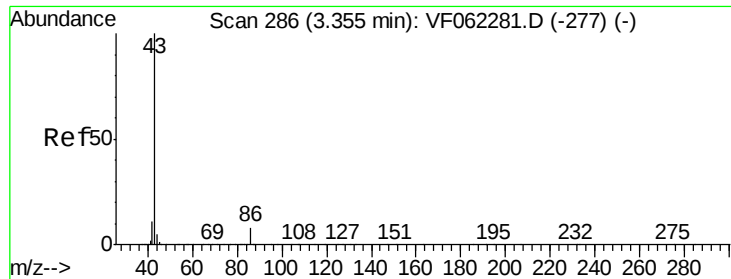
Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 90.133 ug/l

RT: 3.33 min Scan# 284

Delta R.T. -0.02 min

Lab File: VF062317.D

Acq: 29 Apr 2019 17:19

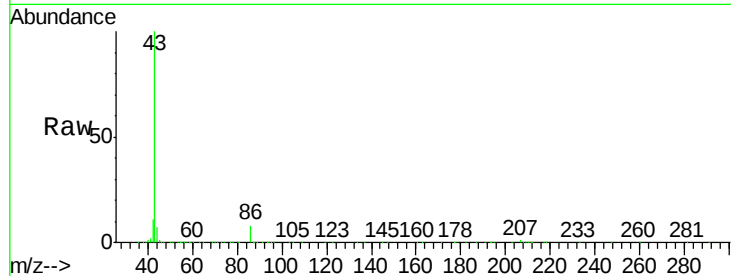
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 365749

Ion Ratio Lower Upper

43 100

86 7.8 6.0 9.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.33

150000

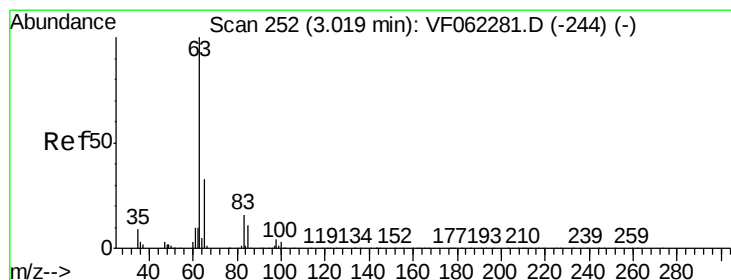
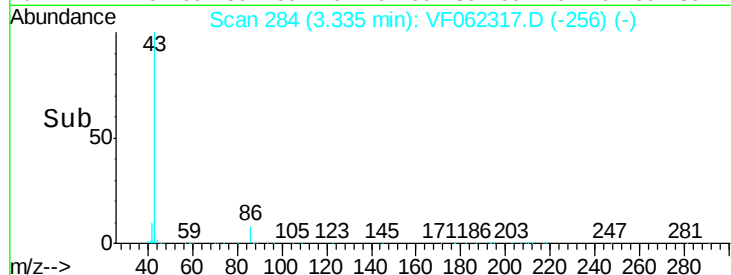
100000

50000

0

Time-->

3.20 3.30 3.40 3.50 3.60



#24

1,1-Dichloroethane

Concen: 20.078 ug/l

RT: 3.00 min Scan# 250

Delta R.T. -0.02 min

Lab File: VF062317.D

Acq: 29 Apr 2019 17:19

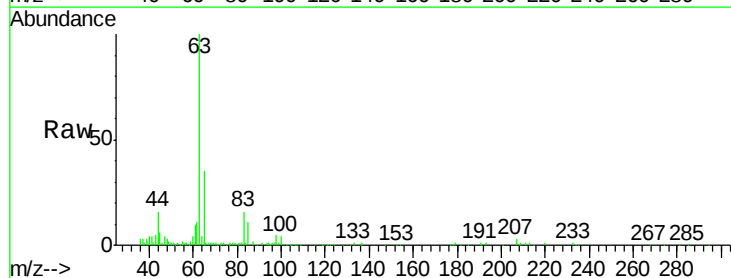
Tgt Ion: 63 Resp: 104867

Ion Ratio Lower Upper

63 100

98 5.1 2.1 6.2

100 3.9 1.5 4.5



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

3.00

50000

40000

30000

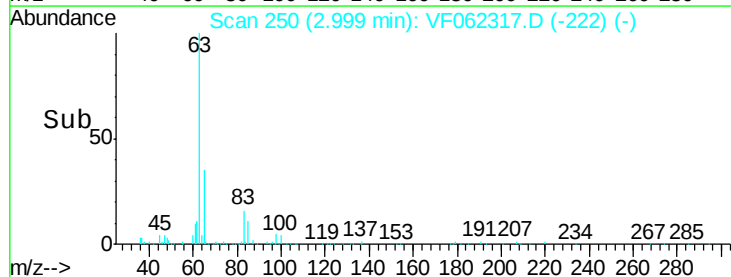
20000

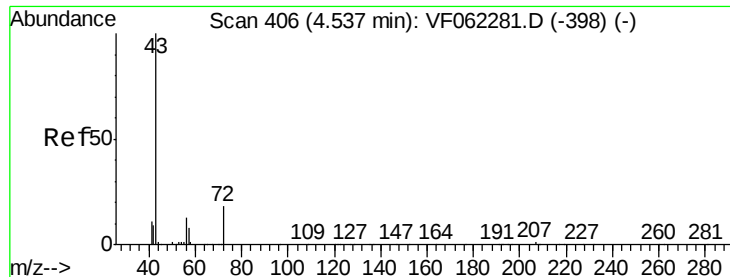
10000

0

Time-->

2.80 2.90 3.00 3.10 3.20





#25

2-Butanone

Concen: 88.275 ug/l

RT: 4.51 min Scan# 403

Delta R.T. -0.03 min

Lab File: VF062317.D

Acq: 29 Apr 2019 17:19

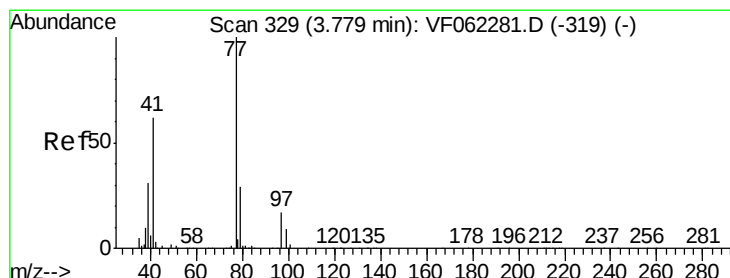
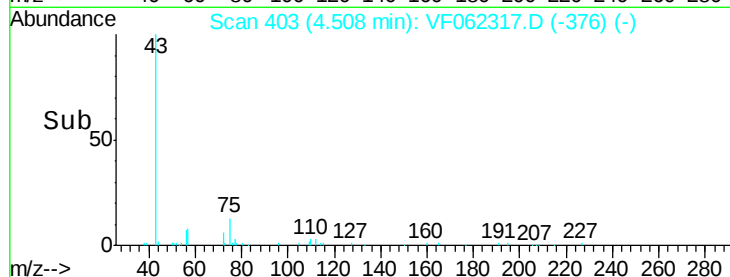
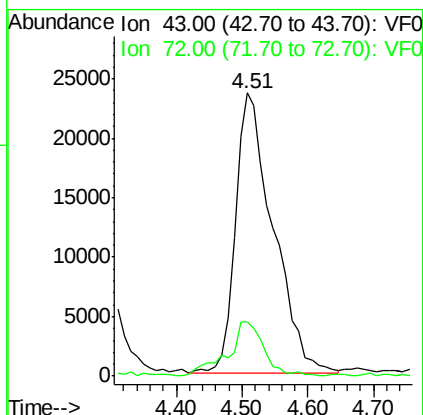
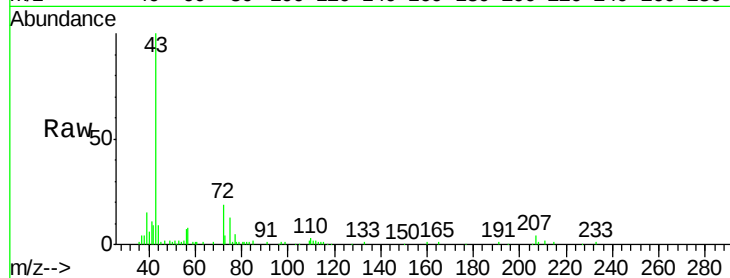
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 93980

Ion Ratio Lower Upper

43 100

72 18.9 15.8 23.6



#26

2,2-Dichloropropane

Concen: 23.477 ug/l

RT: 3.76 min Scan# 327

Delta R.T. -0.02 min

Lab File: VF062317.D

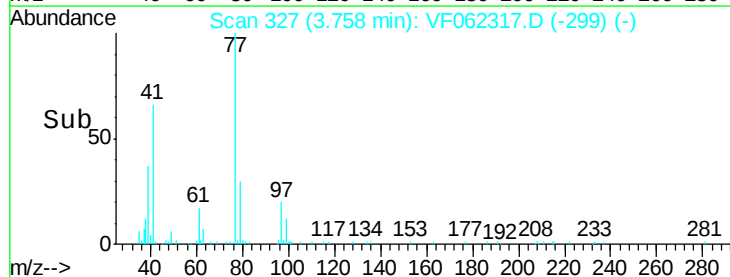
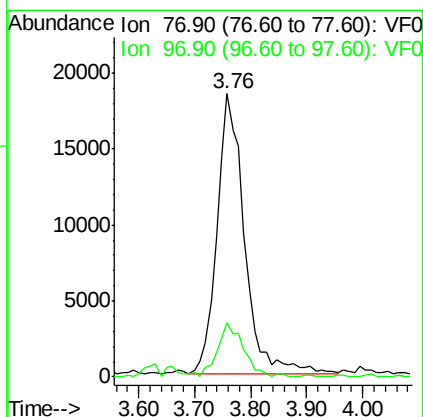
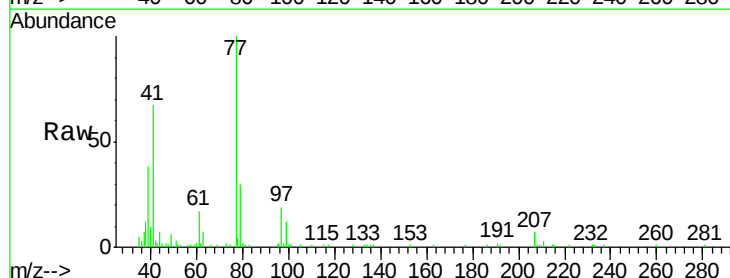
Acq: 29 Apr 2019 17:19

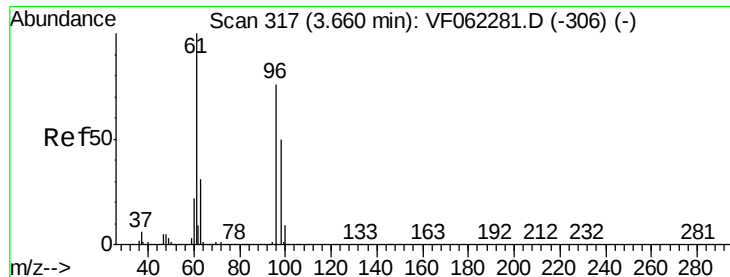
Tgt Ion: 77 Resp: 63677

Ion Ratio Lower Upper

77 100

97 17.6 10.3 30.8



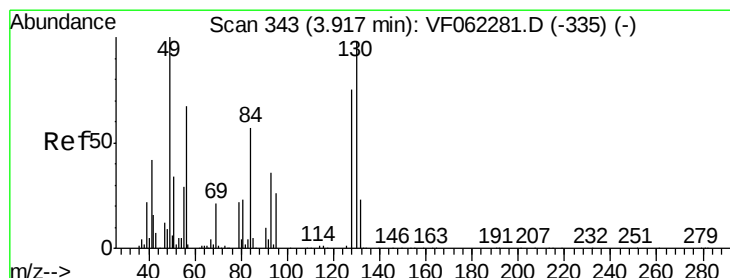
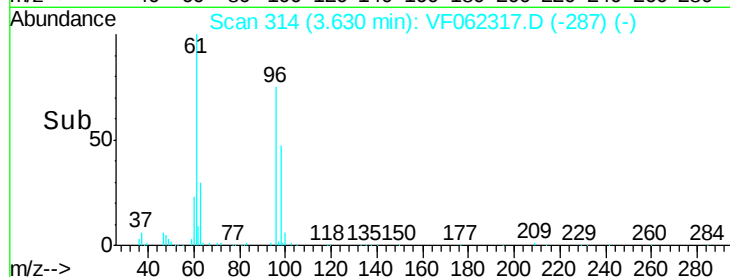
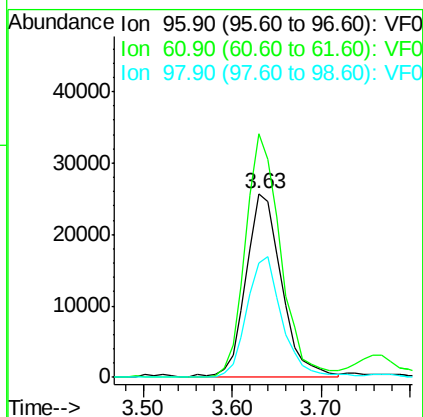
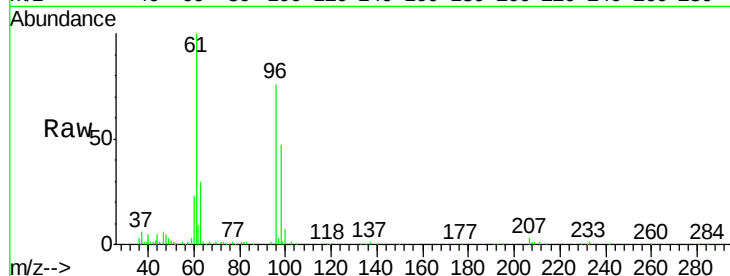


#27

cis-1,2-Dichloroethene
 Concen: 18.018 ug/l
 RT: 3.63 min Scan# 314
 Delta R.T. -0.03 min
 Lab File: VF062317.D
 Acq: 29 Apr 2019 17:19

Instrument :
 MSVOA_F
 ClientSampleId :

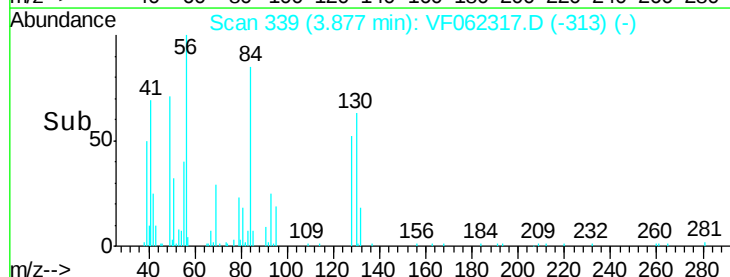
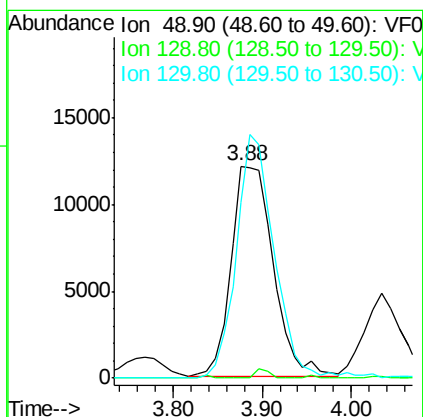
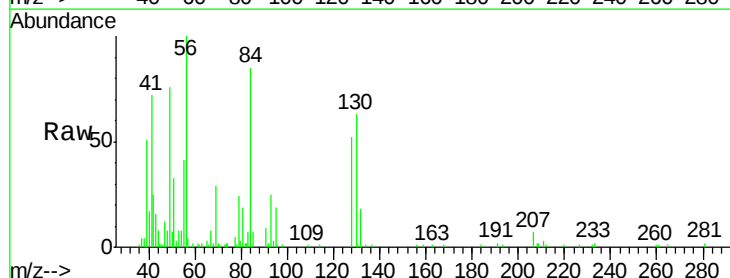
Tot Ion: 96 Resp: 70429
 Ion Ratio Lower Upper
 96 100
 61 131.3 0.0 257.6
 98 65.6 0.0 137.4

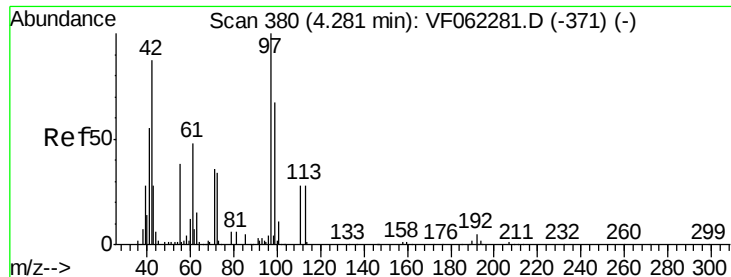


#28

Bromochloromethane
 Concen: 18.090 ug/l
 RT: 3.88 min Scan# 339
 Delta R.T. -0.04 min
 Lab File: VF062317.D
 Acq: 29 Apr 2019 17:19

Tgt Ion: 49 Resp: 39816
 Ion Ratio Lower Upper
 49 100
 129 1.4 0.0 0.0#
 130 102.6 77.0 115.4

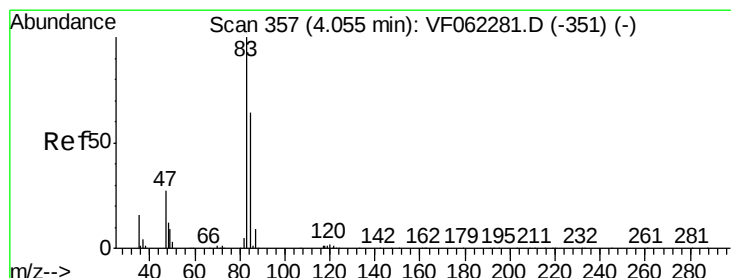
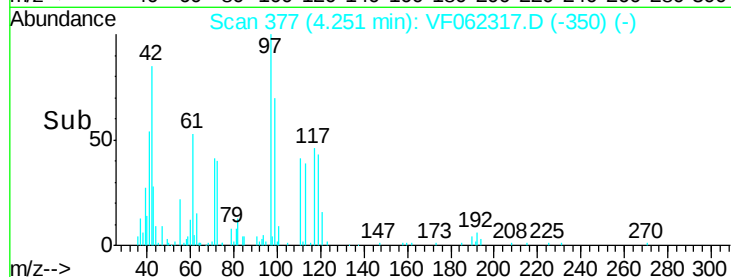
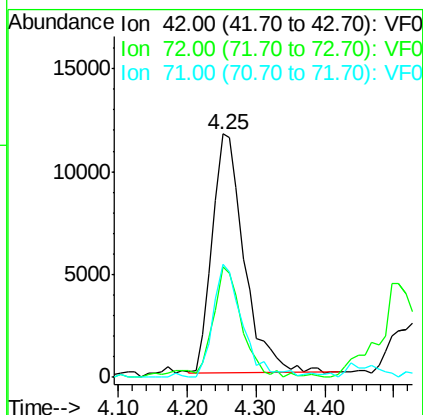
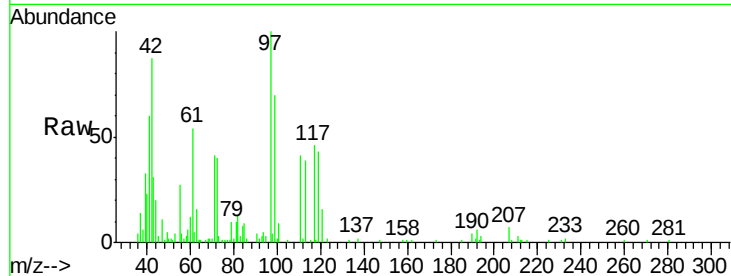




#29
Tetrahydrofuran
Concen: 80.159 ug/l
RT: 4.25 min Scan# 377
Delta R.T. -0.03 min
Lab File: VF062317.D
Acq: 29 Apr 2019 17:19

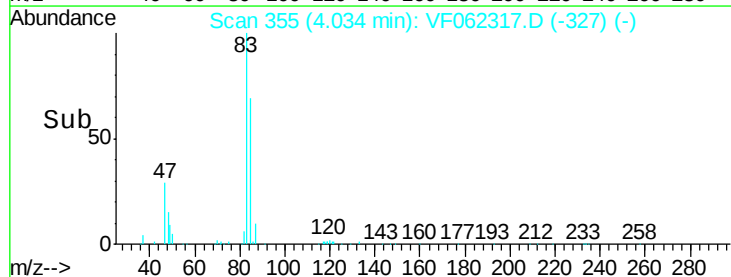
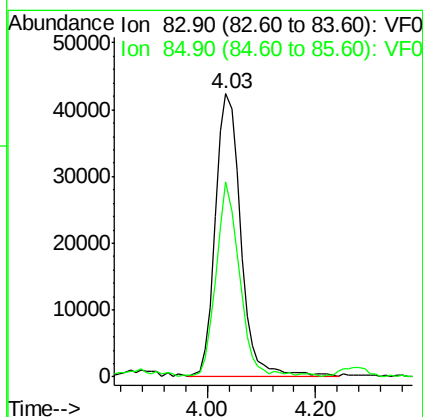
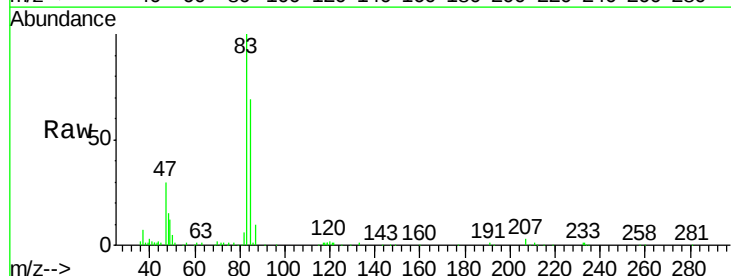
Instrument :
MSVOA_F
ClientSampleId :

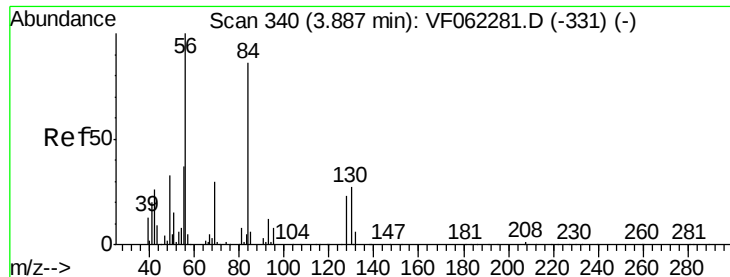
Tot Ion: 42 Resp: 37498
Ion Ratio Lower Upper
42 100
72 43.2 29.3 43.9
71 43.3 31.2 46.8



#30
Chloroform
Concen: 20.959 ug/l
RT: 4.03 min Scan# 355
Delta R.T. -0.02 min
Lab File: VF062317.D
Acq: 29 Apr 2019 17:19

Tgt Ion: 83 Resp: 137459
Ion Ratio Lower Upper
83 100
85 68.5 51.1 76.7





#31

Cyclohexane

Concen: 17.423 ug/l

RT: 3.87 min Scan# 338

Delta R.T. -0.02 min

Lab File: VF062317.D

Acq: 29 Apr 2019 17:19

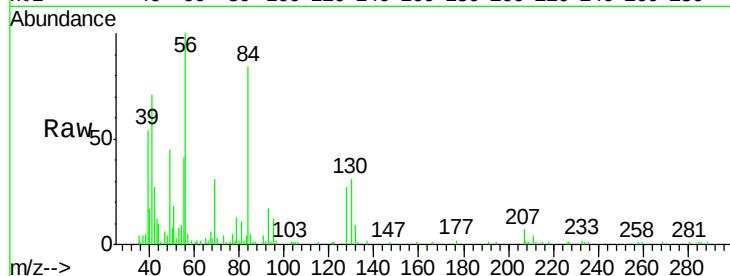
Instrument :

MSVOA_F

ClientSampleId :

Tot Ion: 56 Resp: 86587

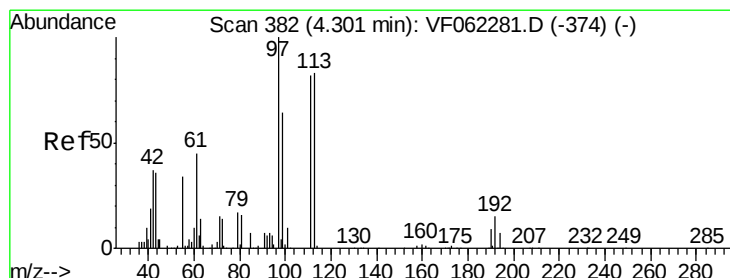
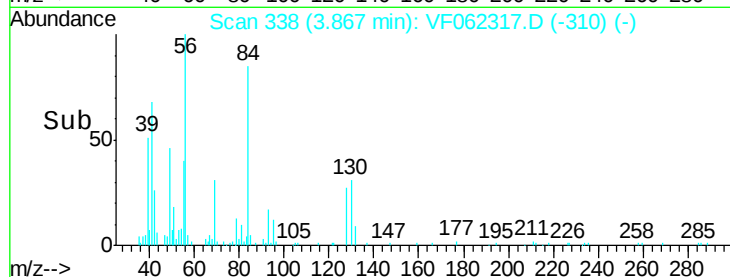
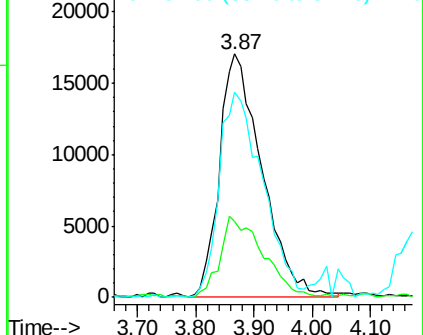
Ion	Ratio	Lower	Upper
56	100		
69	31.1	24.3	36.5
84	84.2	68.5	102.7



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 84.00 (83.70 to 84.70): VF0



#32

1,1,1-Trichloroethane

Concen: 22.565 ug/l

RT: 4.27 min Scan# 379

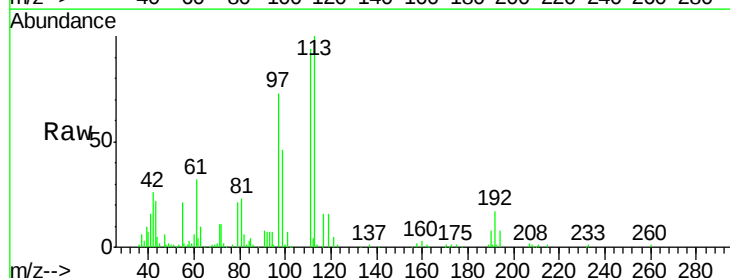
Delta R.T. -0.03 min

Lab File: VF062317.D

Acq: 29 Apr 2019 17:19

Tgt Ion: 97 Resp: 116193

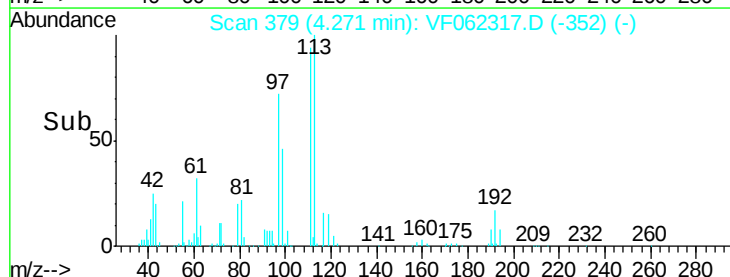
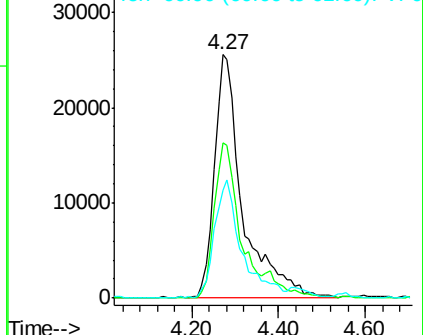
Ion	Ratio	Lower	Upper
97	100		
99	63.3	41.6	62.4#
61	46.4	31.6	47.4

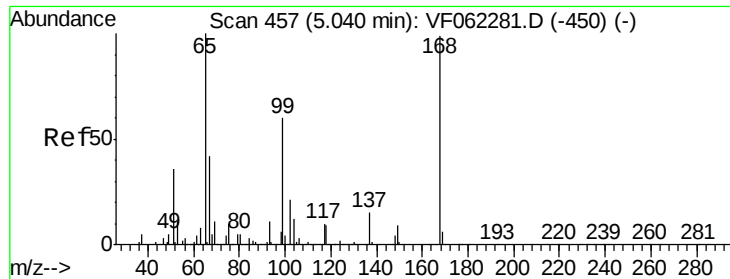


Abundance Ion 96.90 (96.60 to 97.60): VF0

Ion 98.90 (98.60 to 99.60): VF0

Ion 60.90 (60.60 to 61.60): VF0

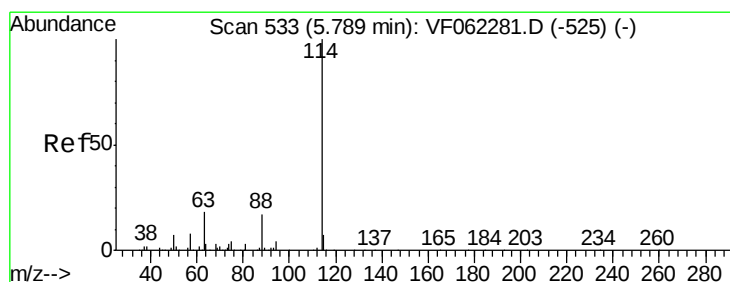
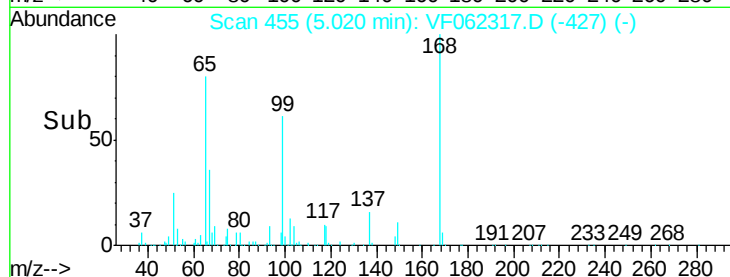
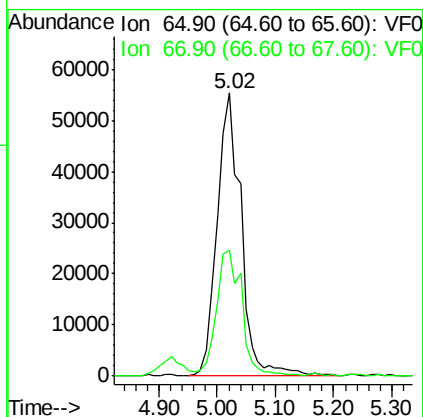
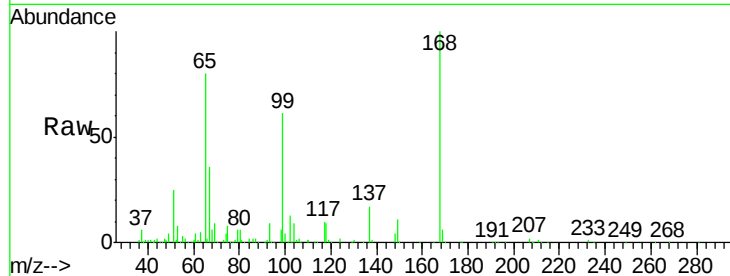




#33
 1,2-Dichloroethane-d4
 Concen: 52.493 ug/l
 RT: 5.02 min Scan# 455
 Delta R.T. -0.02 min
 Lab File: VF062317.D
 Acq: 29 Apr 2019 17:19

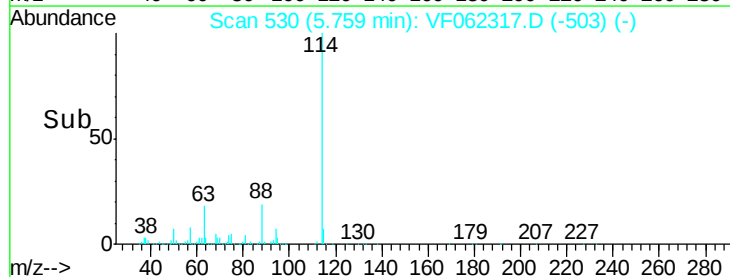
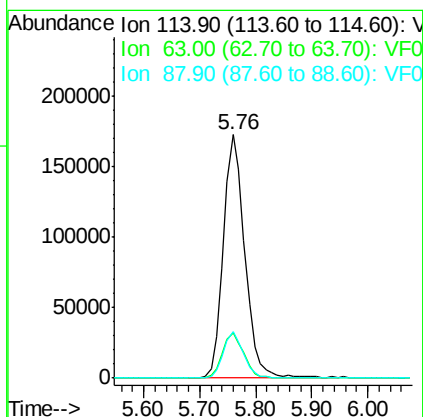
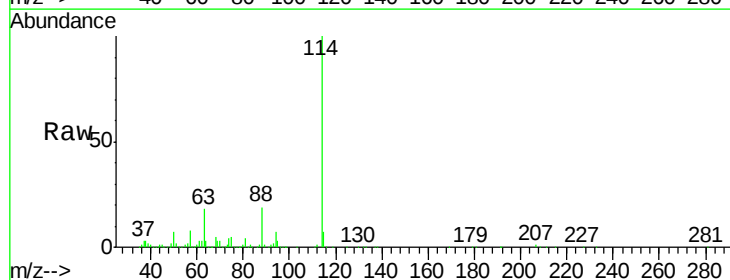
Instrument :
 MSVOA_F
 ClientSampleId :

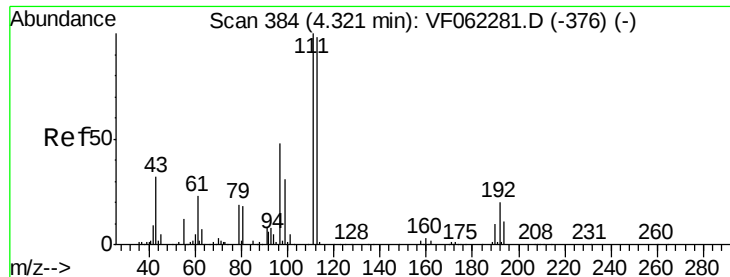
Tot Ion: 65 Resp: 157418
 Ion Ratio Lower Upper
 65 100
 67 46.6 0.0 98.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.76 min Scan# 530
 Delta R.T. -0.03 min
 Lab File: VF062317.D
 Acq: 29 Apr 2019 17:19

Tgt Ion:114 Resp: 460436
 Ion Ratio Lower Upper
 114 100
 63 18.3 0.0 35.6
 88 19.1 0.0 34.6





#35

Dibromofluoromethane

Concen: 53.288 ug/l

RT: 4.29 min Scan# 381

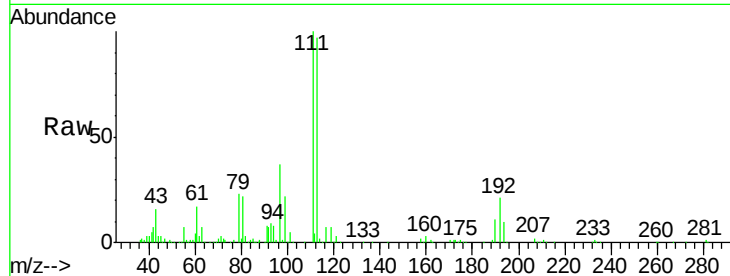
Delta R.T. -0.03 min

Lab File: VF062317.D

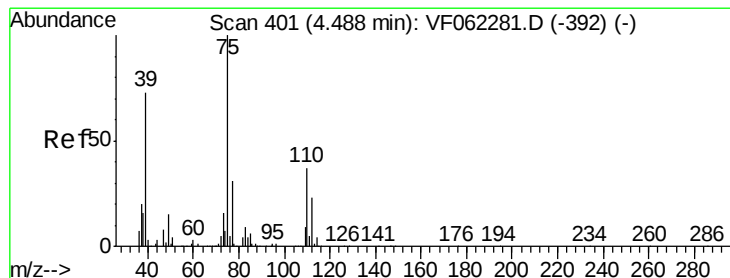
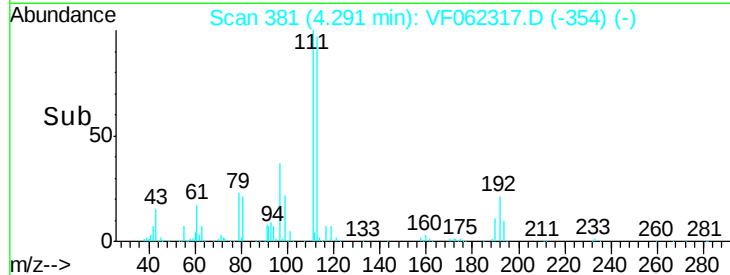
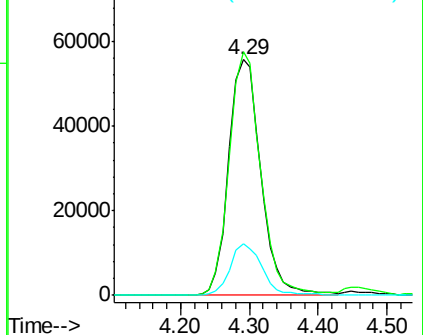
Acq: 29 Apr 2019 17:19

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	113	Resp:	181920
Ion	Ratio	Lower	Upper
113	100		
111	100.1	81.4	122.2
192	21.6	17.0	25.4



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 20.173 ug/l

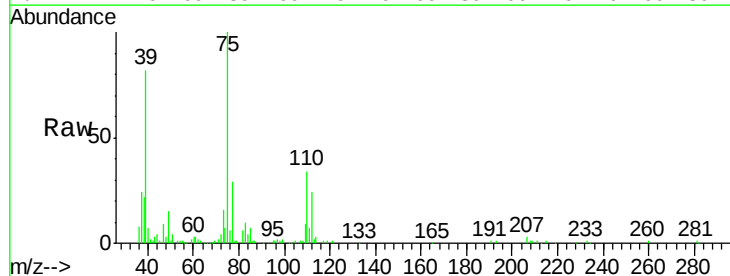
RT: 4.46 min Scan# 398

Delta R.T. -0.03 min

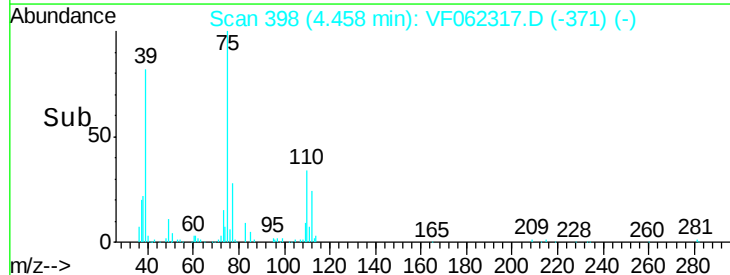
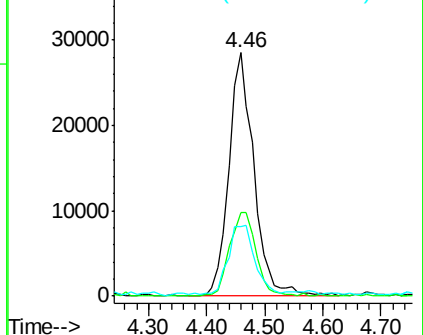
Lab File: VF062317.D

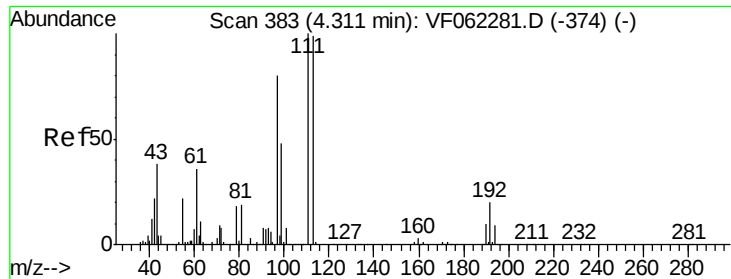
Acq: 29 Apr 2019 17:19

Tgt Ion:	75	Resp:	85694
Ion	Ratio	Lower	Upper
75	100		
110	36.0	17.9	53.8
77	30.3	24.6	36.8



Abundance Ion 74.90 (74.60 to 75.60): VF0
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VF0

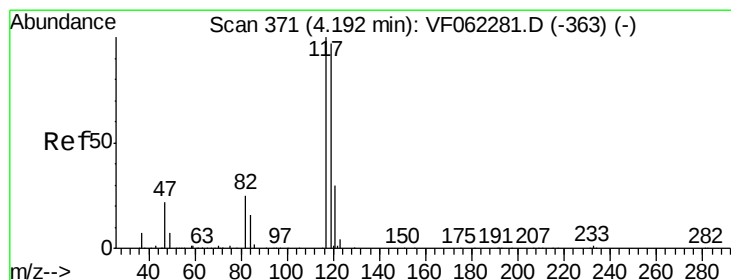
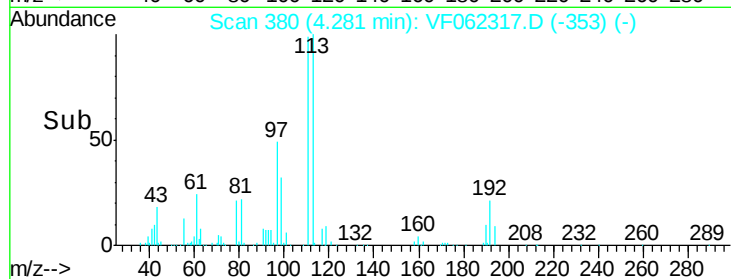
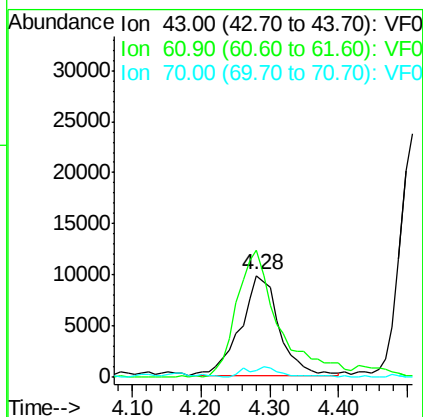
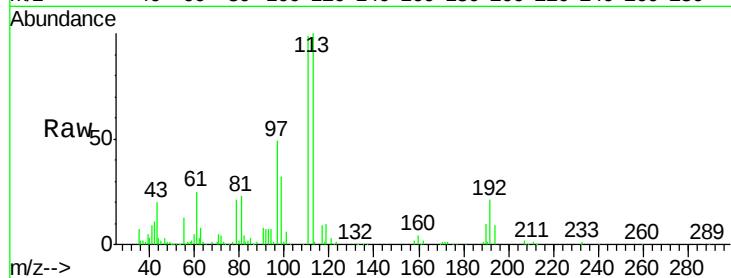




#37
Ethyl Acetate
Concen: 20.987 ug/l
RT: 4.28 min Scan# 380
Delta R.T. -0.03 min
Lab File: VF062317.D
Acq: 29 Apr 2019 17:19

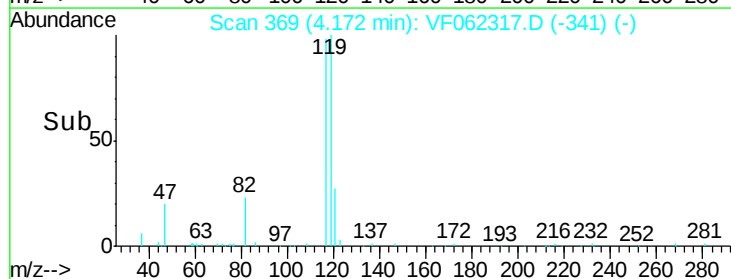
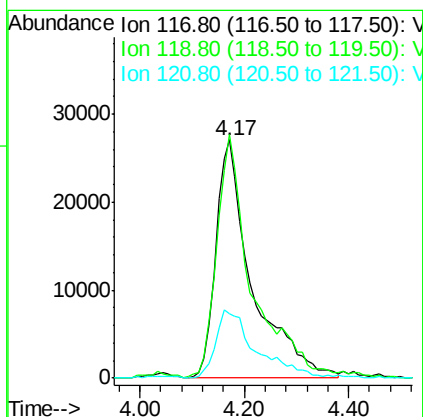
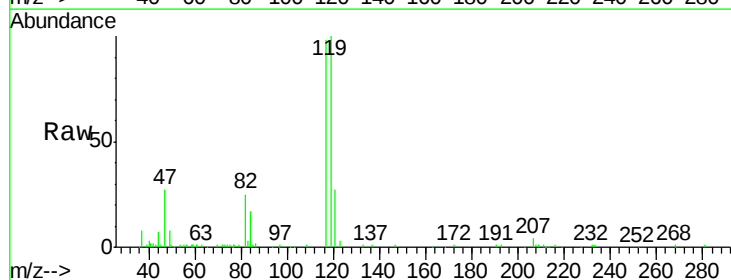
Instrument :
MSVOA_F
ClientSampleId :

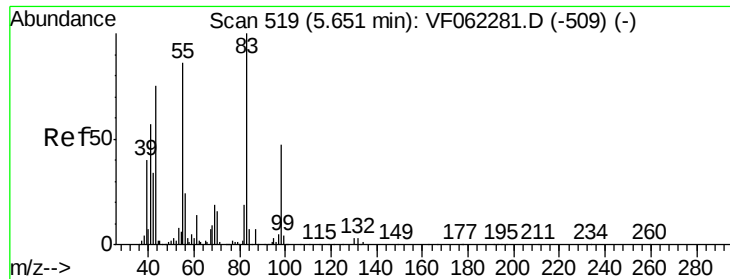
Tot Ion: 43 Resp: 37506
Ion Ratio Lower Upper
43 100
61 143.7 85.8 128.6#
70 10.7 7.3 10.9



#38
Carbon Tetrachloride
Concen: 30.064 ug/l
RT: 4.17 min Scan# 369
Delta R.T. -0.02 min
Lab File: VF062317.D
Acq: 29 Apr 2019 17:19

Tgt Ion:117 Resp: 129831
Ion Ratio Lower Upper
117 100
119 101.3 77.3 115.9
121 27.1 24.3 36.5

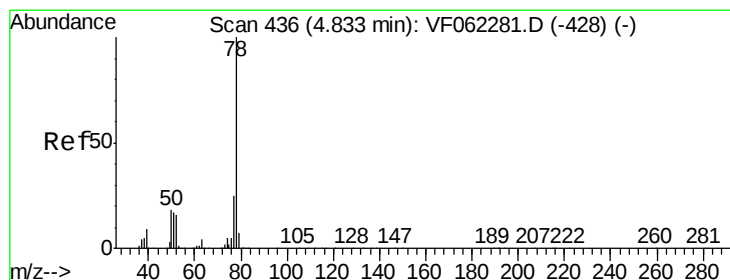
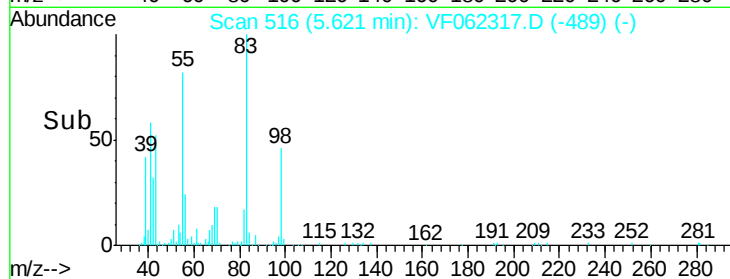
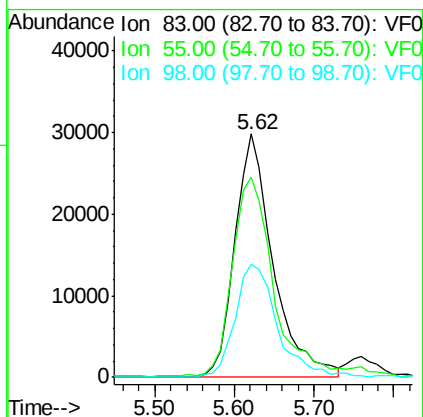
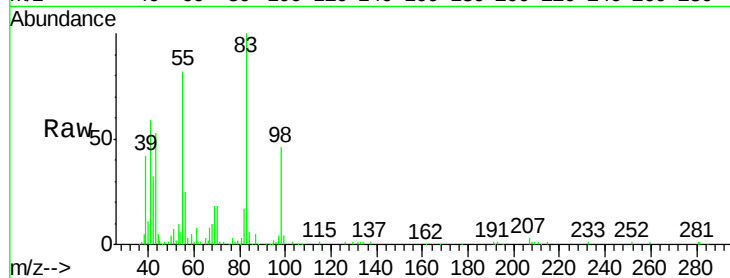




#39
Methvlcvclohexane
Concen: 20.096 ug/l
RT: 5.62 min Scan# 516
Delta R.T. -0.03 min
Lab File: VF062317.D
Acq: 29 Apr 2019 17:19

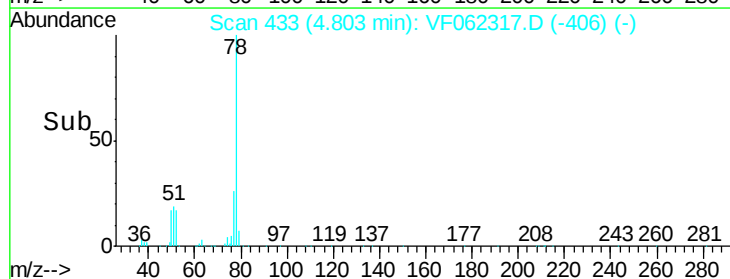
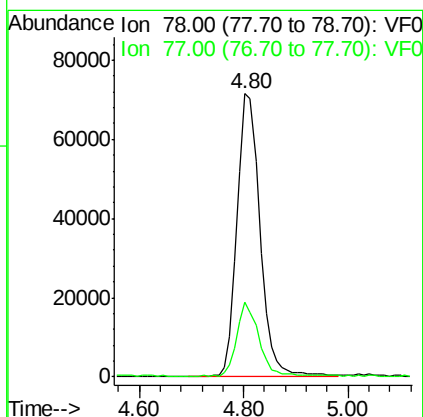
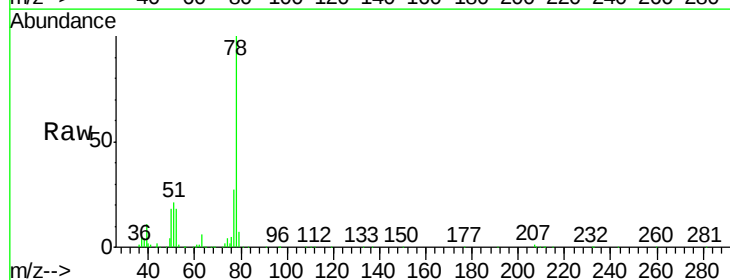
Instrument :
MSVOA_F
ClientSampleId :

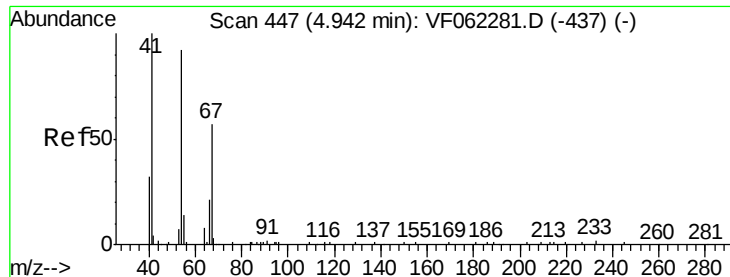
Tot Ion: 83 Resp: 99651
Ion Ratio Lower Upper
83 100
55 81.0 68.7 103.1
98 46.2 37.4 56.2



#40
Benzene
Concen: 20.839 ug/l
RT: 4.80 min Scan# 433
Delta R.T. -0.03 min
Lab File: VF062317.D
Acq: 29 Apr 2019 17:19

Tgt Ion: 78 Resp: 213872
Ion Ratio Lower Upper
78 100
77 26.3 19.7 29.5

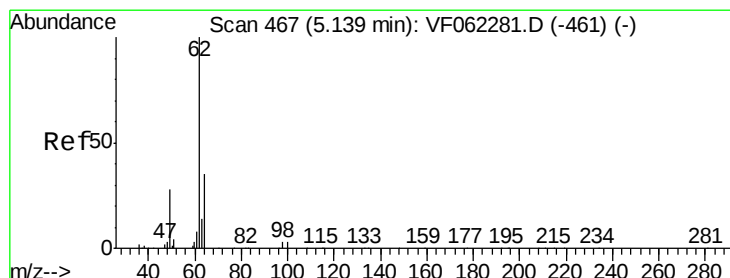
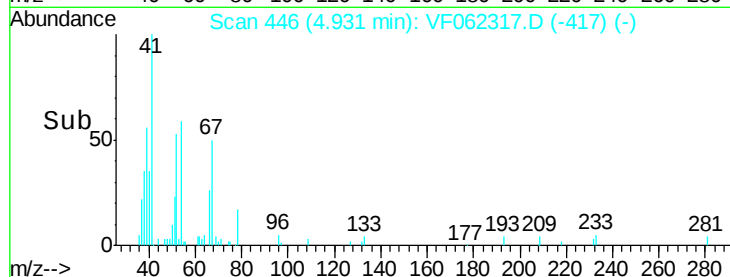
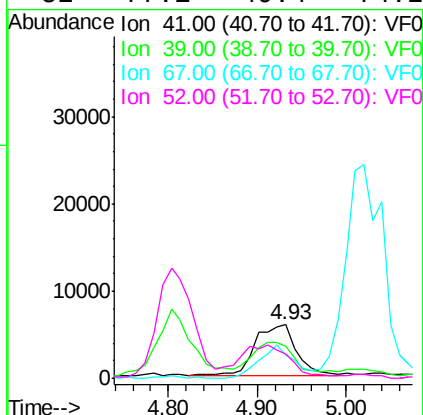
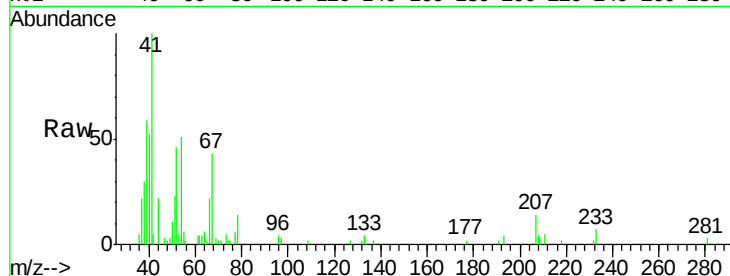




#41
Methacrylonitrile
Concen: 19.361 ug/l
RT: 4.93 min Scan# 446
Delta R.T. -0.01 min
Lab File: VF062317.D
Acq: 29 Apr 2019 17:19

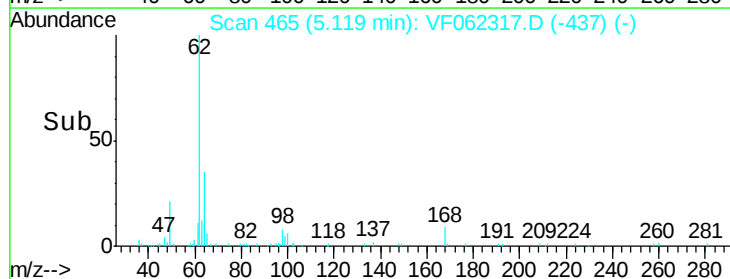
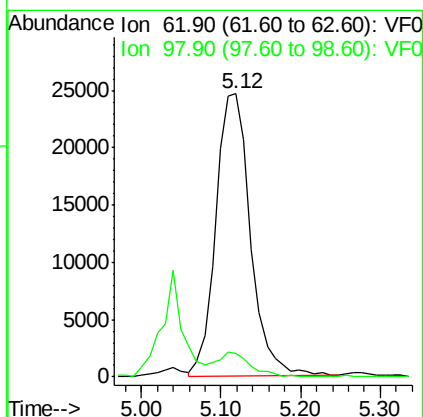
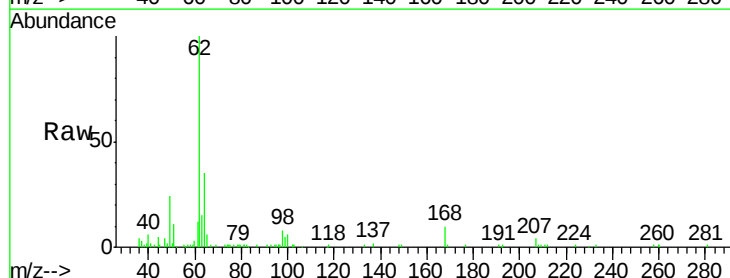
Instrument :
MSVOA_F
ClientSampleId :

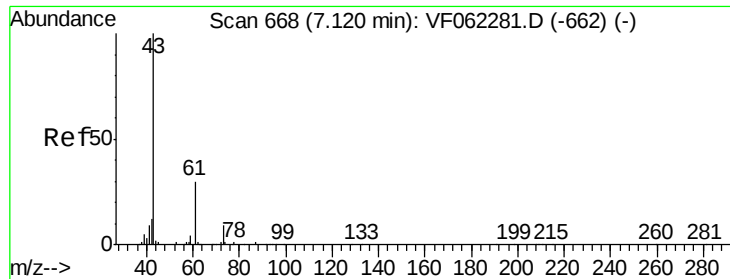
Tot Ion: 41 Resp: 19222
Ion Ratio Lower Upper
41 100
39 67.7 47.3 70.9
67 53.7 41.3 61.9
52 77.1 49.4 74.2#



#42
1,2-Dichloroethane
Concen: 23.178 ug/l
RT: 5.12 min Scan# 465
Delta R.T. -0.02 min
Lab File: VF062317.D
Acq: 29 Apr 2019 17:19

Tgt Ion: 62 Resp: 75360
Ion Ratio Lower Upper
62 100
98 8.5 0.0 16.8



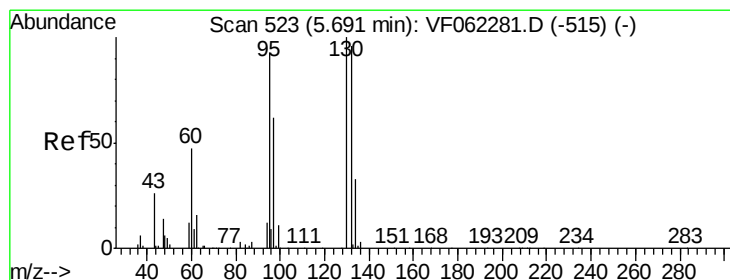
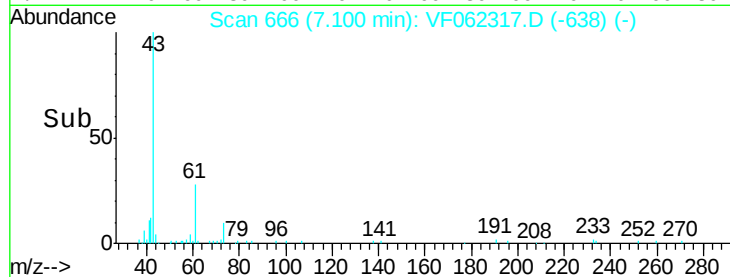
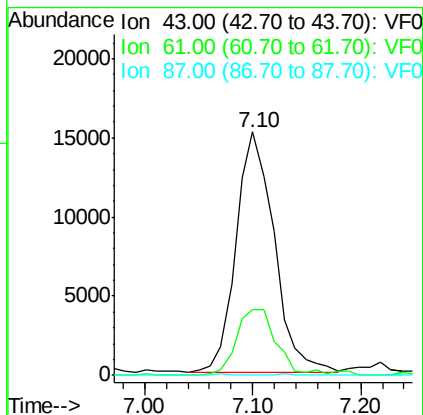
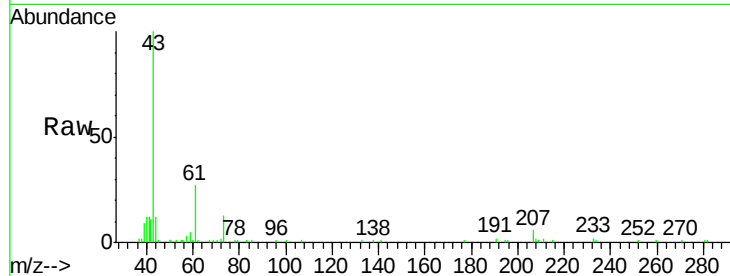


#43

Isopropyl Acetate
 Concen: 20.317 ug/l
 RT: 7.10 min Scan# 666
 Delta R.T. -0.02 min
 Lab File: VF062317.D
 Acq: 29 Apr 2019 17:19

Instrument :
 MSVOA_F
 ClientSampleId :

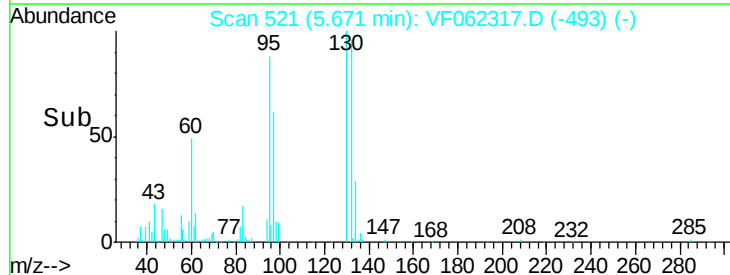
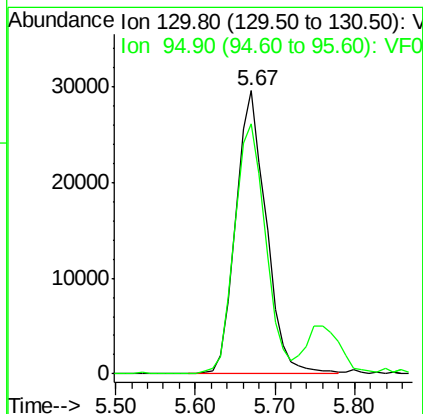
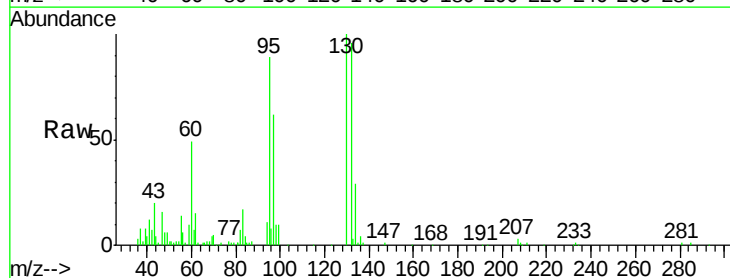
Tot Ion: 43 Resp: 37436
 Ion Ratio Lower Upper
 43 100
 61 28.0 23.8 35.6
 87 0.0 0.5 0.7#

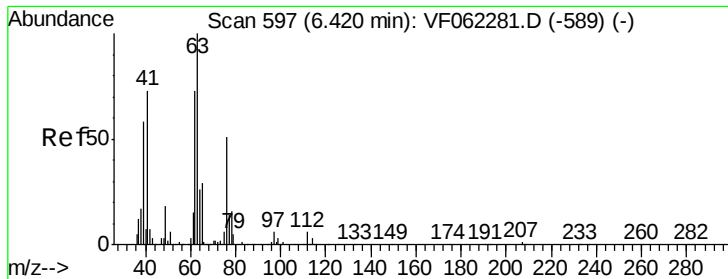


#44

Trichloroethene
 Concen: 22.579 ug/l
 RT: 5.67 min Scan# 521
 Delta R.T. -0.02 min
 Lab File: VF062317.D
 Acq: 29 Apr 2019 17:19

Tgt Ion: 130 Resp: 78402
 Ion Ratio Lower Upper
 130 100
 95 88.5 0.0 186.4





#45

1,2-Dichloropropane

Concen: 19.715 ug/l

RT: 6.39 min Scan# 594

Delta R.T. -0.03 min

Lab File: VF062317.D

Acq: 29 Apr 2019 17:19

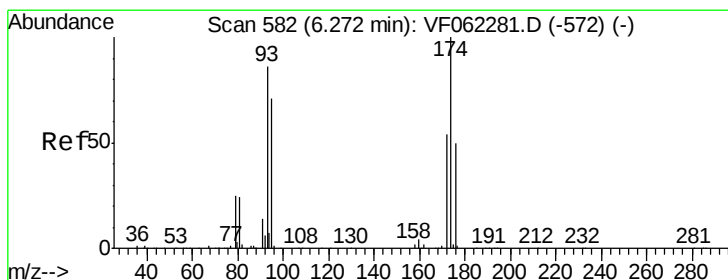
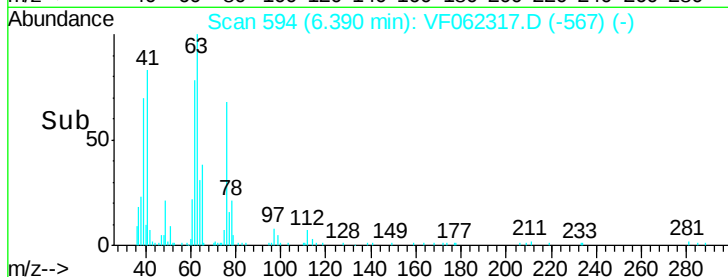
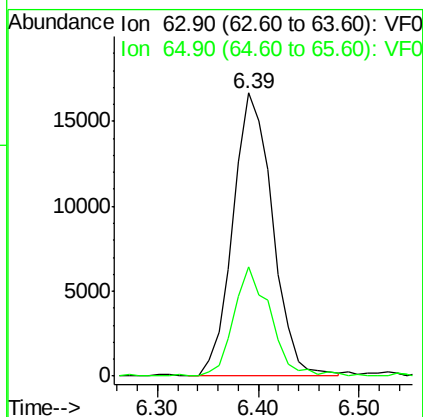
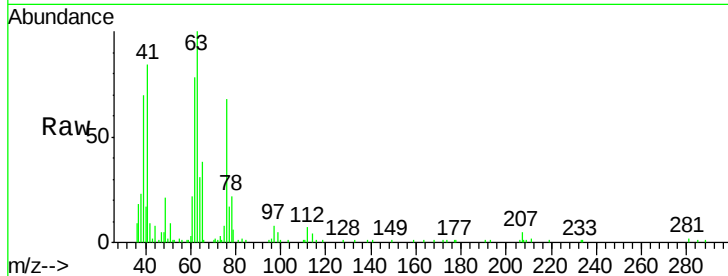
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 63 Resp: 45620

Ion Ratio Lower Upper

63 100

65 38.4 23.5 35.3#



#46

Dibromomethane

Concen: 22.115 ug/l

RT: 6.24 min Scan# 579

Delta R.T. -0.03 min

Lab File: VF062317.D

Acq: 29 Apr 2019 17:19

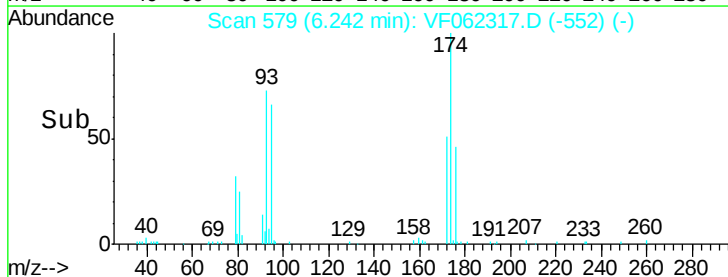
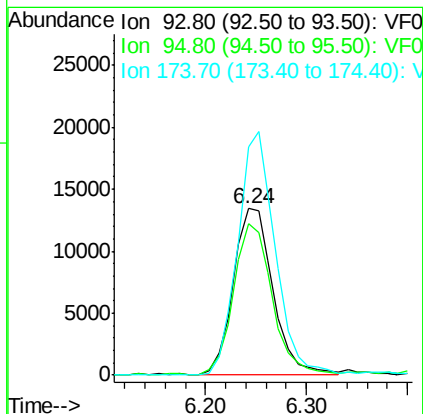
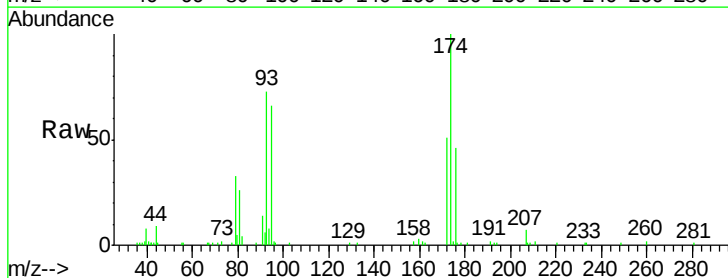
Tgt Ion: 93 Resp: 36951

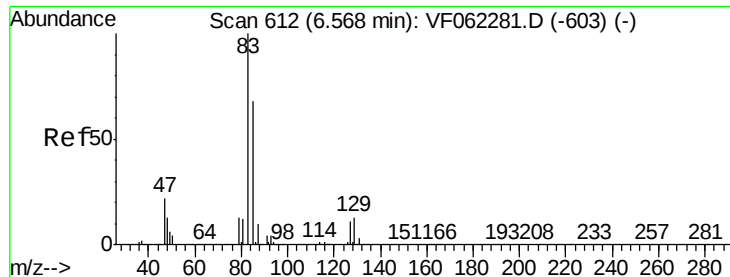
Ion Ratio Lower Upper

93 100

95 88.4 66.2 99.4

174 137.9 94.9 142.3





#47

Bromodichloromethane

Concen: 23.800 ug/l

RT: 6.54 min Scan# 609

Delta R.T. -0.03 min

Lab File: VF062317.D

Acq: 29 Apr 2019 17:19

Instrument :
MSVOA_F
ClientSampleId :

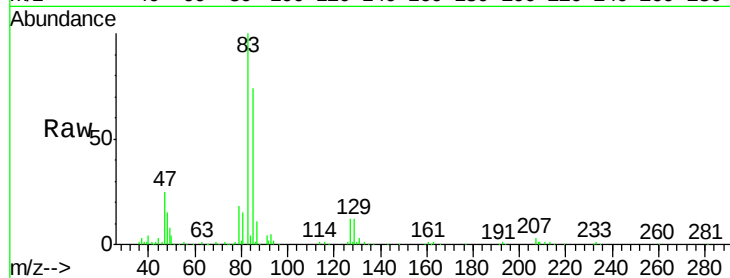
Tot Ion: 83 Resp: 93486

Ion Ratio Lower Upper

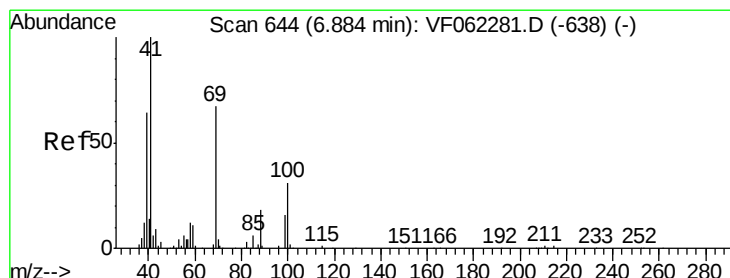
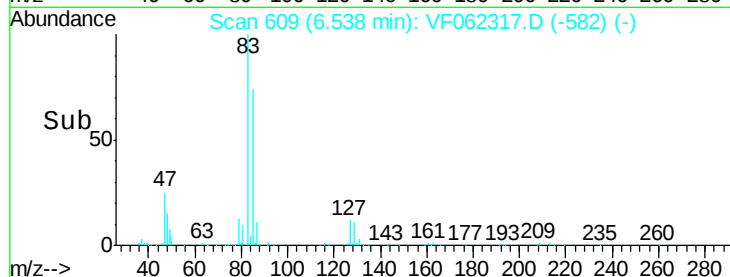
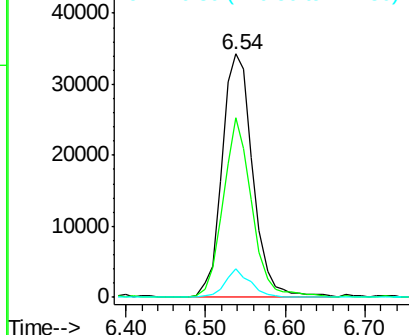
83 100

85 73.8 54.6 81.8

127 12.0 8.7 13.1



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: 20.266 ug/l

RT: 6.86 min Scan# 642

Delta R.T. -0.02 min

Lab File: VF062317.D

Acq: 29 Apr 2019 17:19

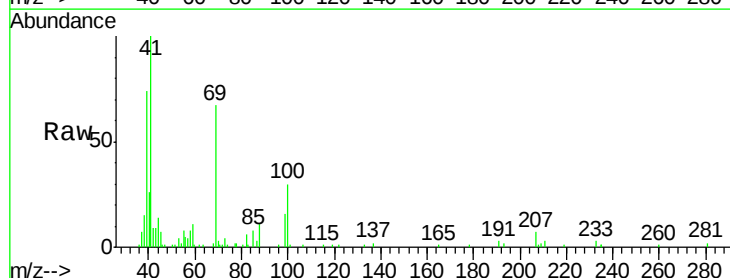
Tgt Ion: 41 Resp: 26534

Ion Ratio Lower Upper

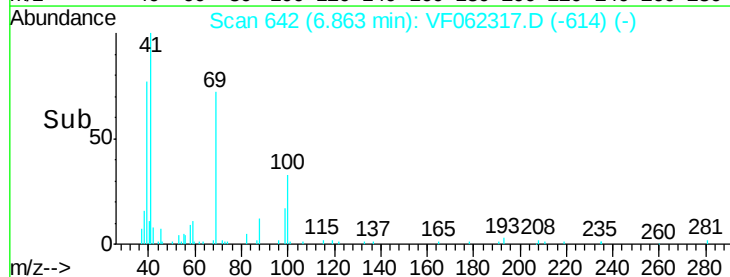
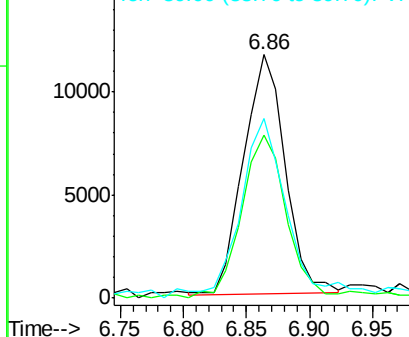
41 100

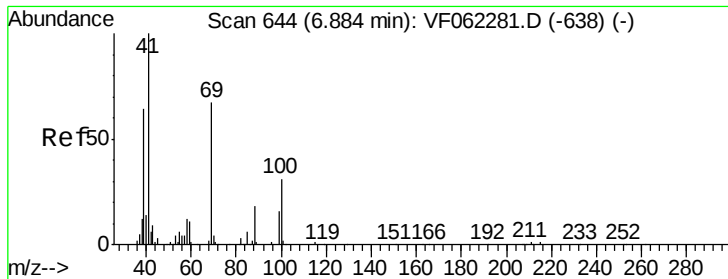
69 74.1 53.4 80.2

39 86.3 50.9 76.3#



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: 360.429 ug/l

RT: 6.85 min Scan# 641

Delta R.T. -0.03 min

Lab File: VF062317.D

Acq: 29 Apr 2019 17:19

Instrument :

MSVOA_F

ClientSampleId :

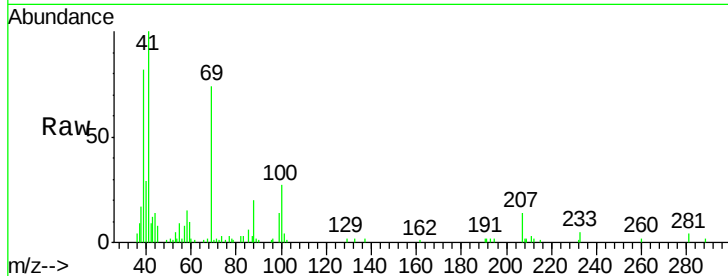
Tot Ion: 88 Resp: 5434

Ion Ratio Lower Upper

88 100

43 49.2 34.2 51.4

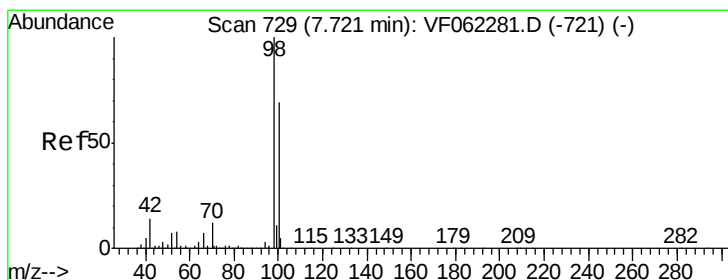
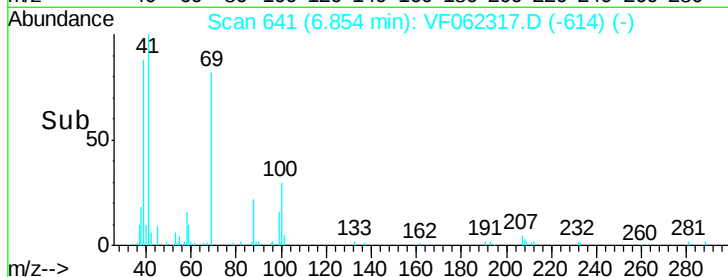
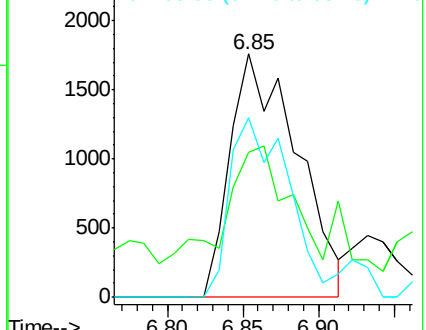
58 63.7 50.7 76.1



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: 51.046 ug/l

RT: 7.70 min Scan# 727

Delta R.T. -0.02 min

Lab File: VF062317.D

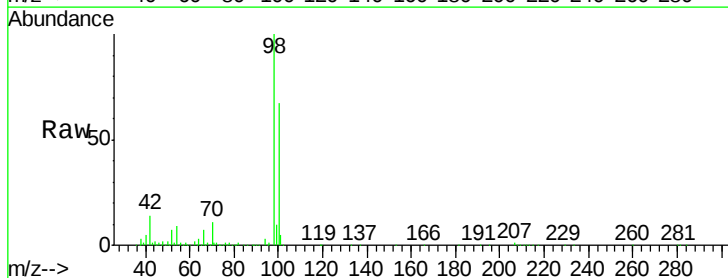
Acq: 29 Apr 2019 17:19

Tgt Ion: 98 Resp: 425663

Ion Ratio Lower Upper

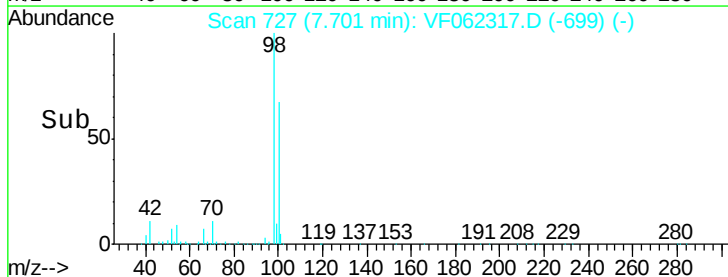
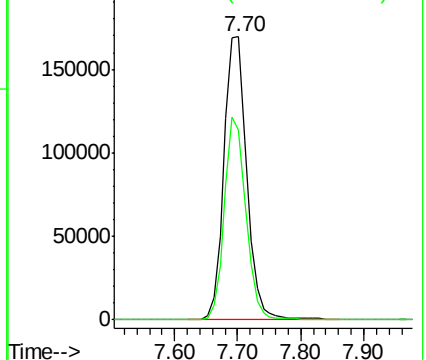
98 100

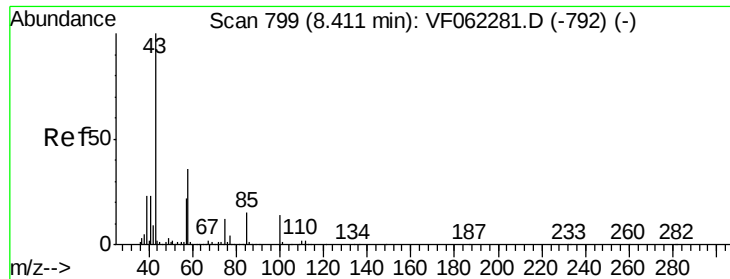
100 67.5 54.4 81.6



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: 113.987 ug/l

RT: 8.39 min Scan# 797

Delta R.T. -0.02 min

Lab File: VF062317.D

Acq: 29 Apr 2019 17:19

Instrument :

MSVOA_F

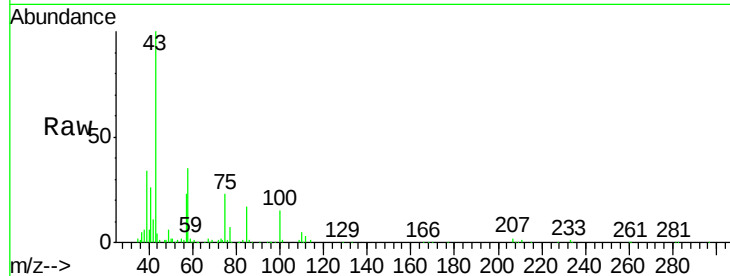
ClientSampleId :

Tot Ion: 43 Resp: 160503

Ion Ratio Lower Upper

43 100

58 35.1 29.1 43.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.39

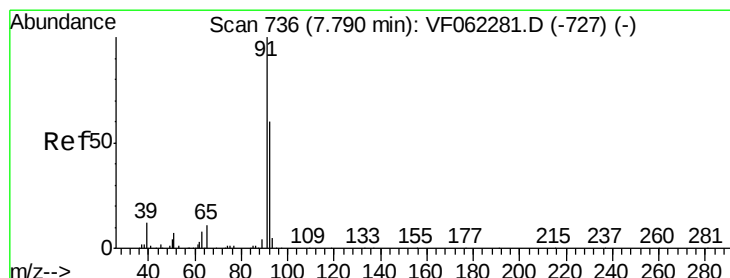
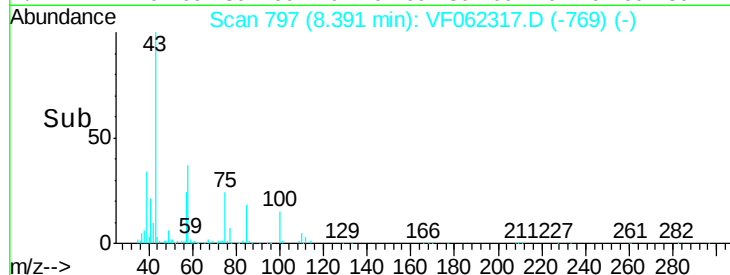
60000

40000

20000

0

Time--> 8.20 8.30 8.40 8.50 8.60



#52

Toluene

Concen: 20.923 ug/l

RT: 7.76 min Scan# 733

Delta R.T. -0.03 min

Lab File: VF062317.D

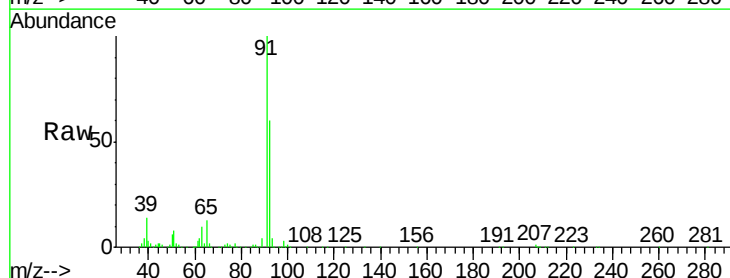
Acq: 29 Apr 2019 17:19

Tgt Ion: 92 Resp: 123911

Ion Ratio Lower Upper

92 100

91 171.1 132.5 198.7



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.76

100000

80000

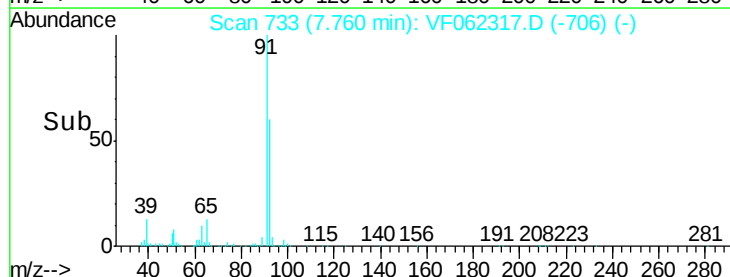
60000

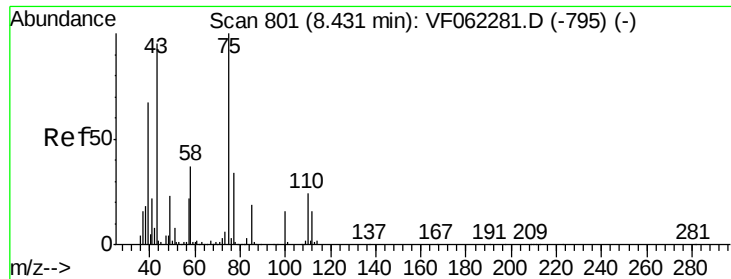
40000

20000

0

Time--> 7.60 7.70 7.80 7.90

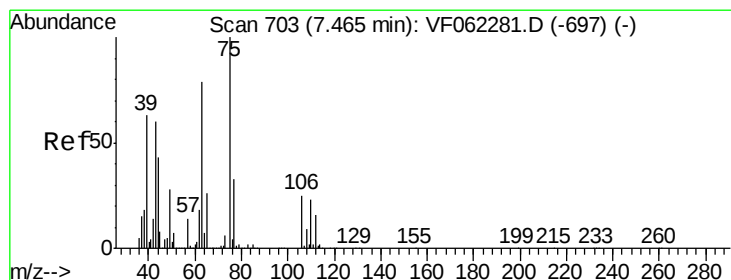
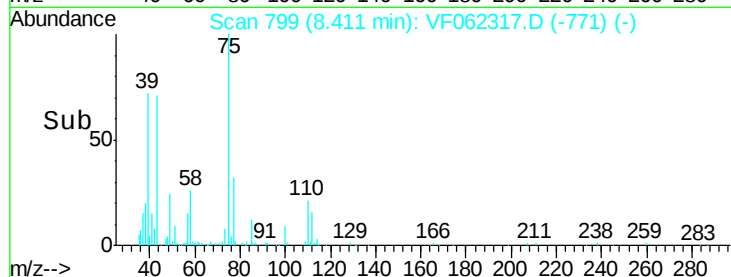
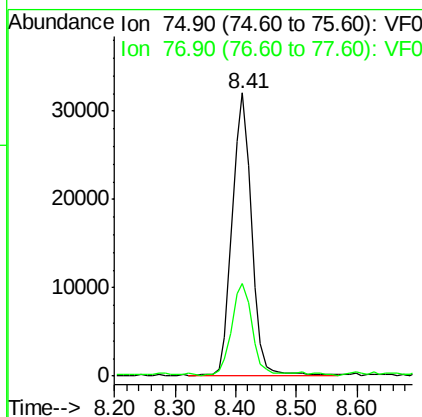
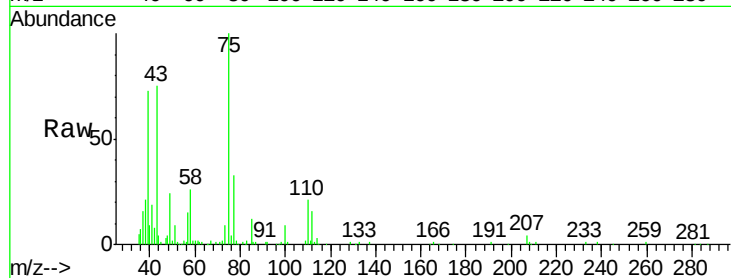




#53
 t-1,3-Dichloropropene
 Concen: 25.079 ug/l
 RT: 8.41 min Scan# 799
 Delta R.T. -0.02 min
 Lab File: VF062317.D
 Acq: 29 Apr 2019 17:19

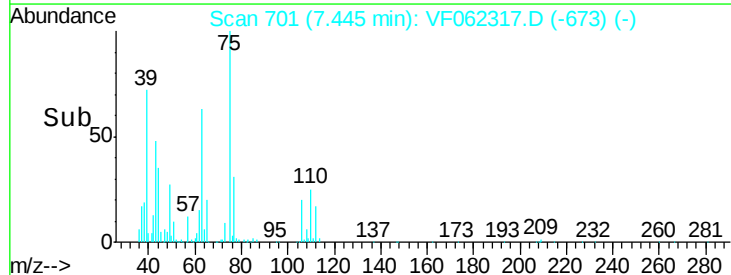
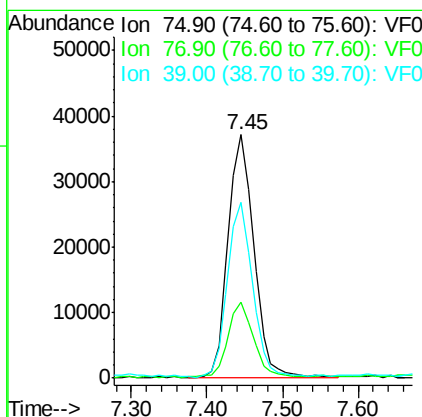
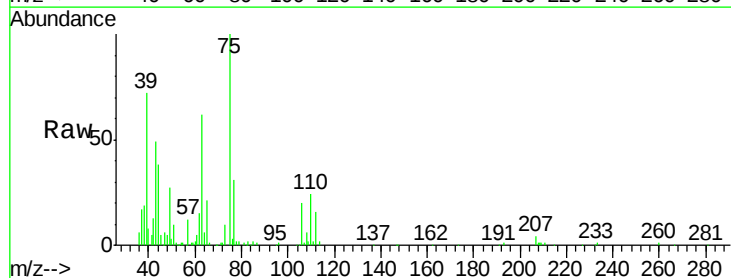
Instrument :
 MSVOA_F
 ClientSampleId :

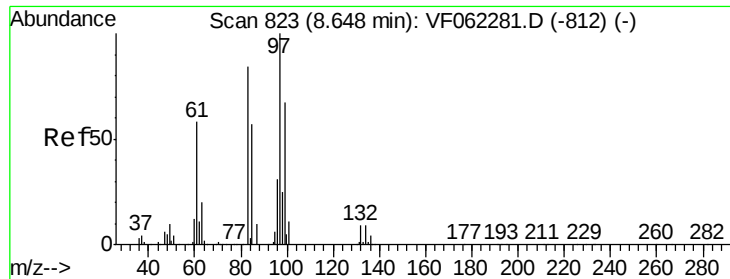
Tot Ion: 75 Resp: 72438
 Ion Ratio Lower Upper
 75 100
 77 32.5 26.9 40.3



#54
 cis-1,3-Dichloropropene
 Concen: 23.988 ug/l
 RT: 7.45 min Scan# 701
 Delta R.T. -0.02 min
 Lab File: VF062317.D
 Acq: 29 Apr 2019 17:19

Tgt Ion: 75 Resp: 88763
 Ion Ratio Lower Upper
 75 100
 77 30.9 26.5 39.7
 39 71.6 50.2 75.2





#55

1,1,2-Trichloroethane

Concen: 24.471 ug/l

RT: 8.62 min Scan# 820

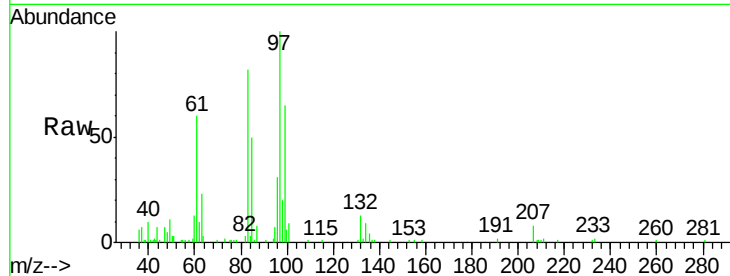
Delta R.T. -0.03 min

Lab File: VF062317.D

Acq: 29 Apr 2019 17:19

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	97	Resp:	41159
Ion	Ratio	Lower	Upper
97	100		
83	82.4	67.5	101.3
85	50.4	45.3	67.9
99	65.0	53.4	80.0

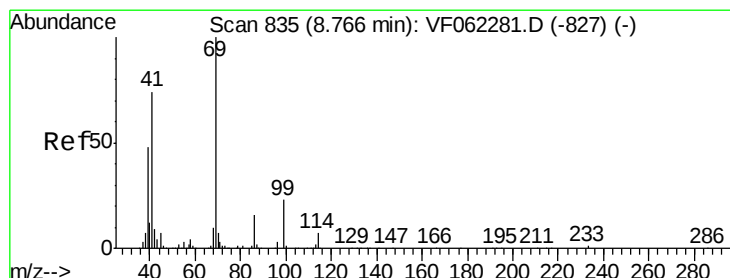
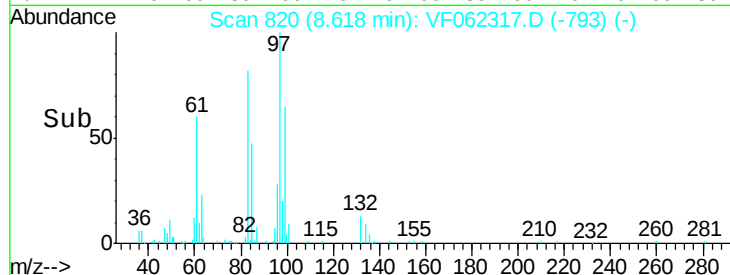
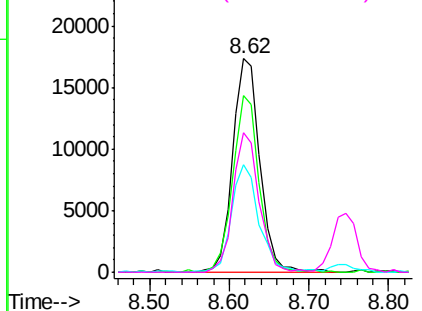


Abundance Ion 96.90 (96.60 to 97.60): VF0

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: 23.244 ug/l

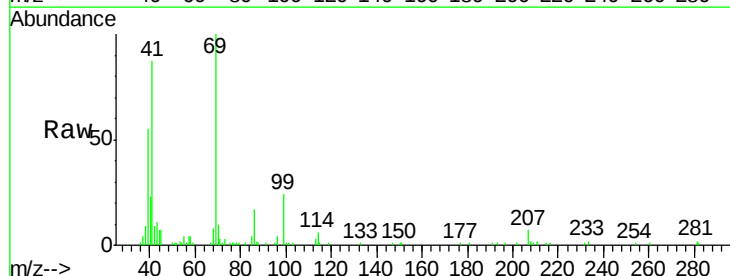
RT: 8.74 min Scan# 832

Delta R.T. -0.03 min

Lab File: VF062317.D

Acq: 29 Apr 2019 17:19

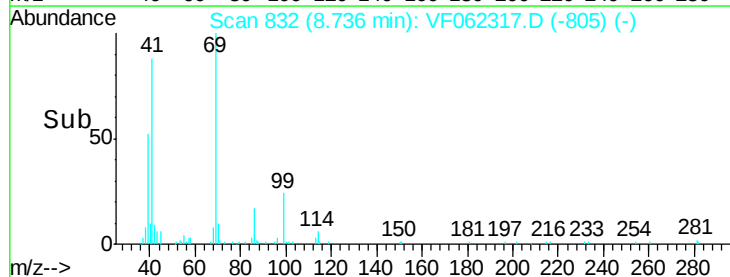
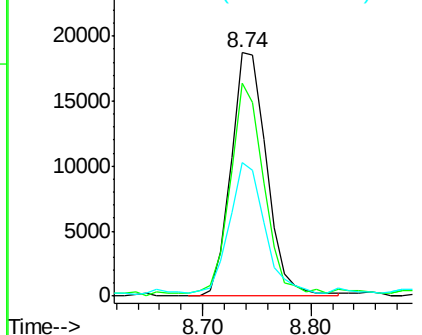
Tgt Ion:	69	Resp:	42950
Ion	Ratio	Lower	Upper
69	100		
41	85.0	61.5	92.3
39	52.2	37.9	56.9

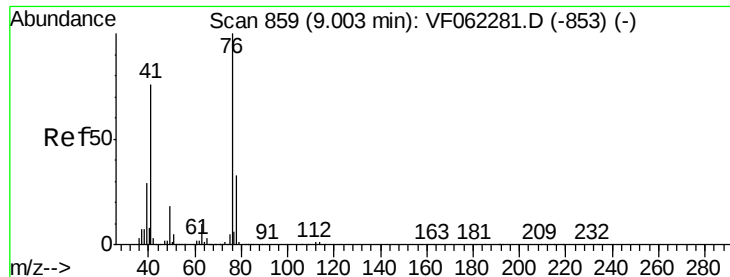


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 22.206 ug/l

RT: 8.98 min Scan# 857

Delta R.T. -0.02 min

Lab File: VF062317.D

Acq: 29 Apr 2019 17:19

Instrument :

MSVOA_F

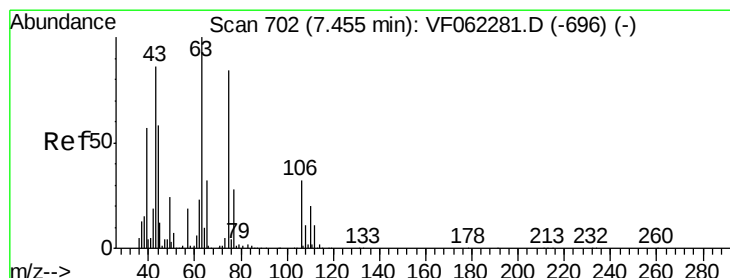
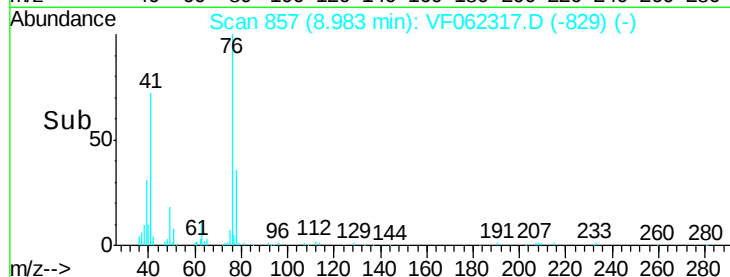
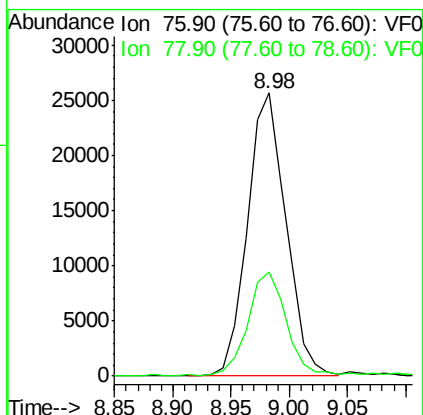
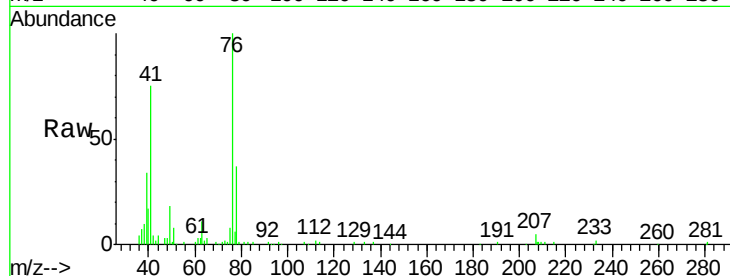
ClientSampleId :

Tot Ion: 76 Resp: 58724

Ion Ratio Lower Upper

76 100

78 37.2 27.0 40.6



#58

2-Chloroethyl Vinyl ether

Concen: 113.609 ug/l

RT: 7.44 min Scan# 700

Delta R.T. -0.02 min

Lab File: VF062317.D

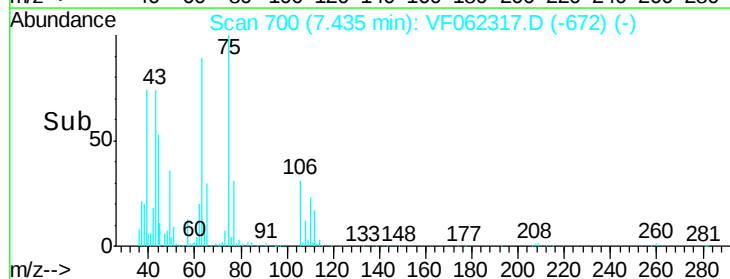
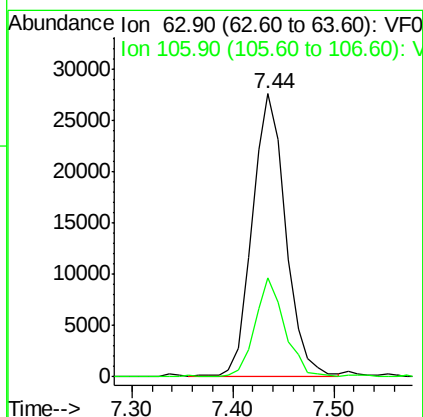
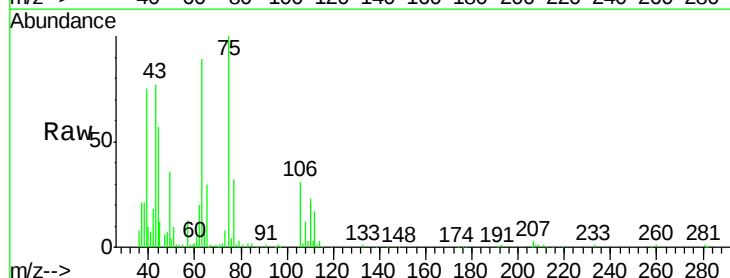
Acq: 29 Apr 2019 17:19

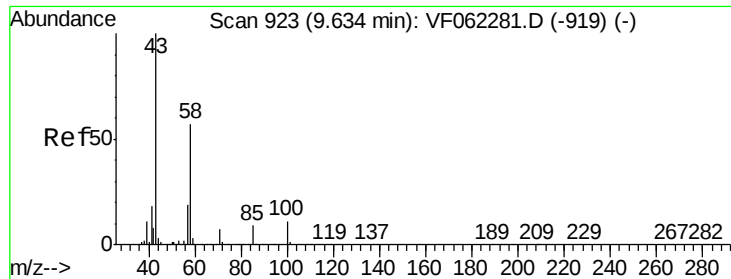
Tgt Ion: 63 Resp: 63879

Ion Ratio Lower Upper

63 100

106 31.3 24.7 37.1

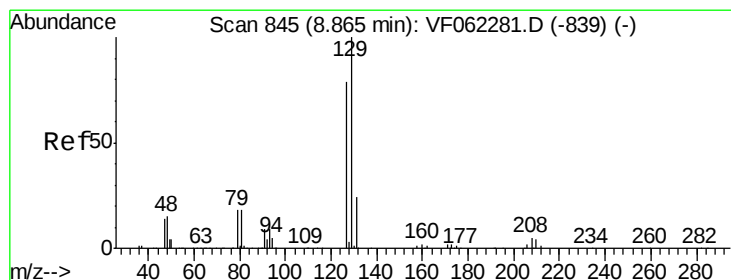
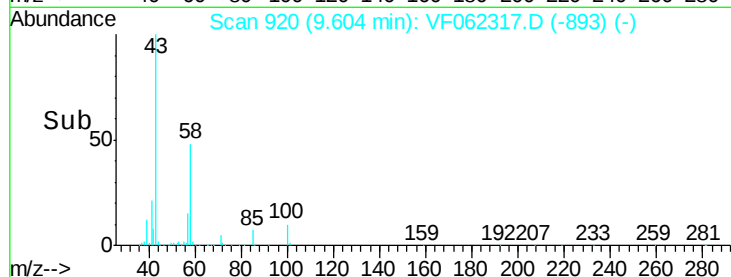
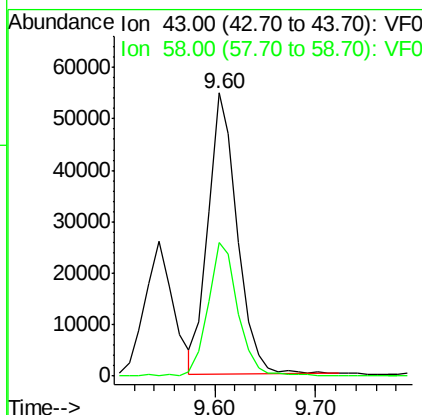
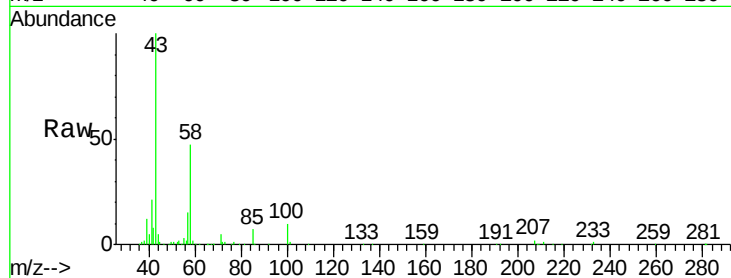




#59
2-Hexanone
Concen: 120.739 ug/l
RT: 9.60 min Scan# 920
Delta R.T. -0.03 min
Lab File: VF062317.D
Acq: 29 Apr 2019 17:19

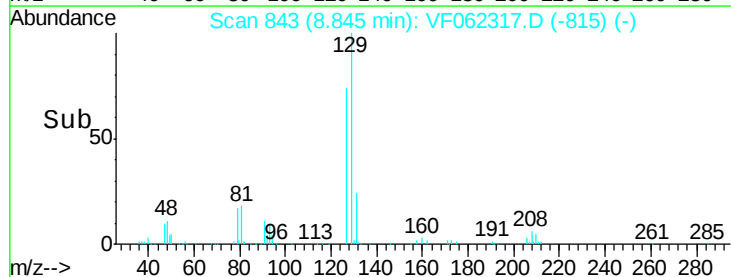
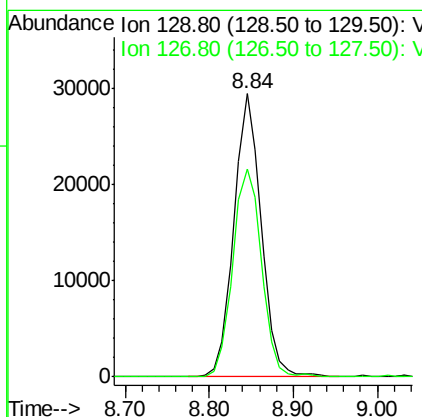
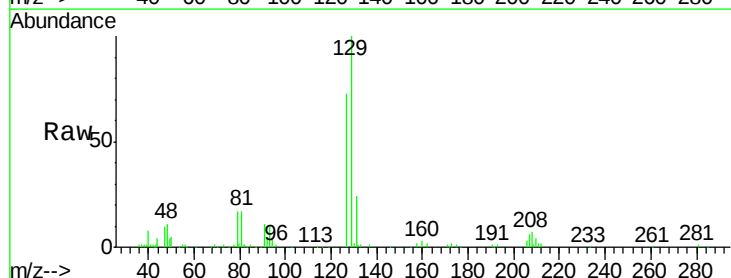
Instrument :
MSVOA_F
ClientSampleId :

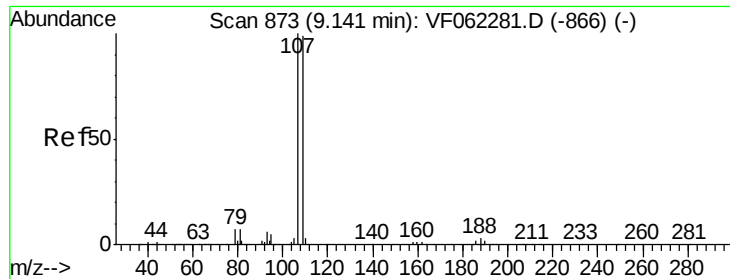
Tot Ion: 43 Resp: 110083
Ion Ratio Lower Upper
43 100
58 48.9 24.9 74.7



#60
Dibromochloromethane
Concen: 24.426 ug/l
RT: 8.84 min Scan# 843
Delta R.T. -0.02 min
Lab File: VF062317.D
Acq: 29 Apr 2019 17:19

Tgt Ion:129 Resp: 66679
Ion Ratio Lower Upper
129 100
127 77.1 38.8 116.4





#61

1,2-Dibromoethane

Concen: 24.089 ug/l

RT: 9.11 min Scan# 870

Delta R.T. -0.03 min

Lab File: VF062317.D

Acq: 29 Apr 2019 17:19

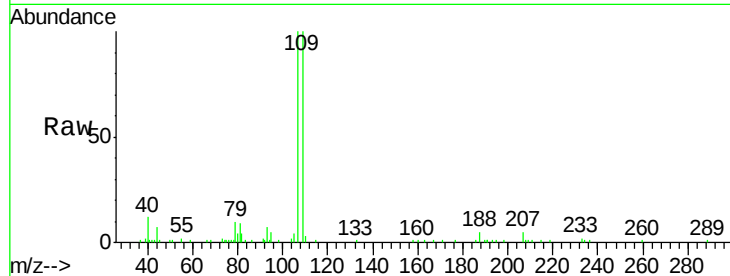
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:107 Resp: 46893

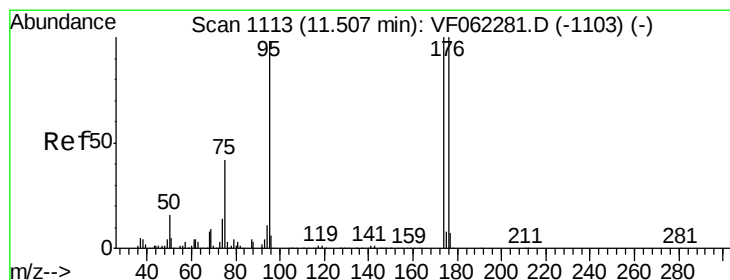
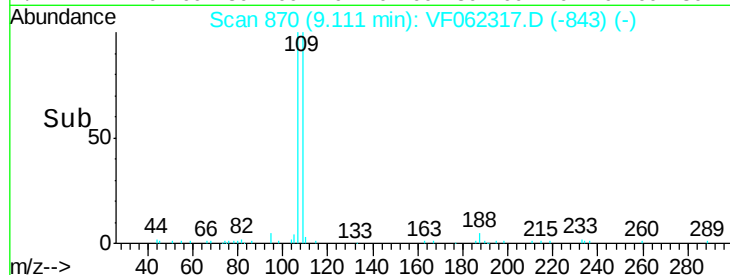
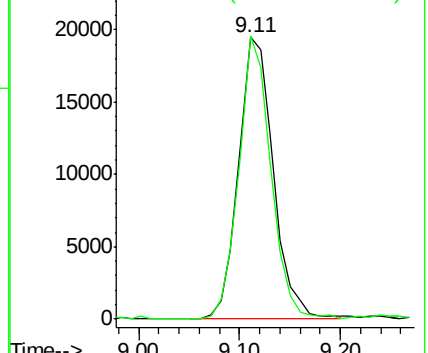
Ion Ratio Lower Upper

107 100

109 92.1 78.7 118.1



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



#62

4-Bromofluorobenzene

Concen: 56.203 ug/l

RT: 11.49 min Scan# 1111

Delta R.T. -0.02 min

Lab File: VF062317.D

Acq: 29 Apr 2019 17:19

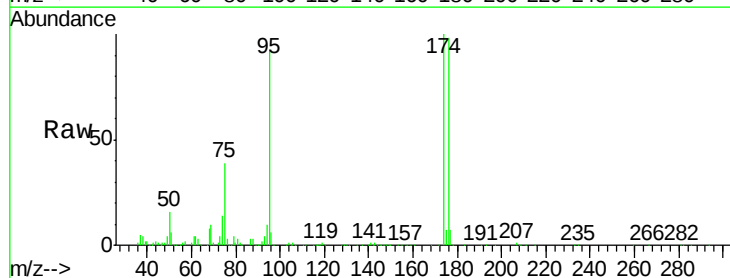
Tgt Ion: 95 Resp: 193177

Ion Ratio Lower Upper

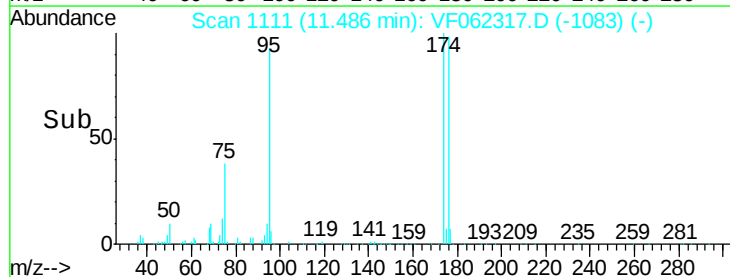
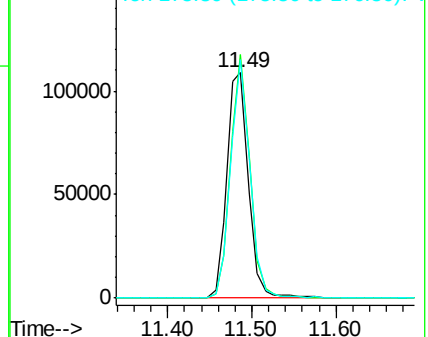
95 100

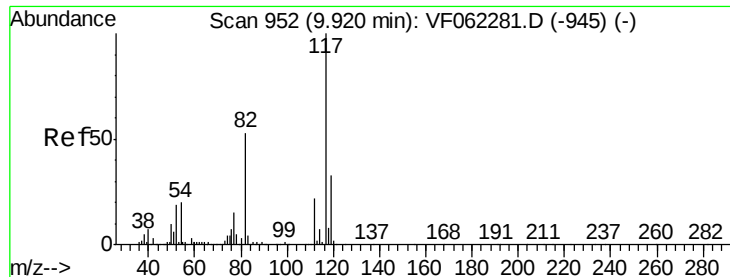
174 97.6 0.0 185.2

176 95.9 0.0 184.8



Abundance Ion 94.90 (94.60 to 95.60): VF0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

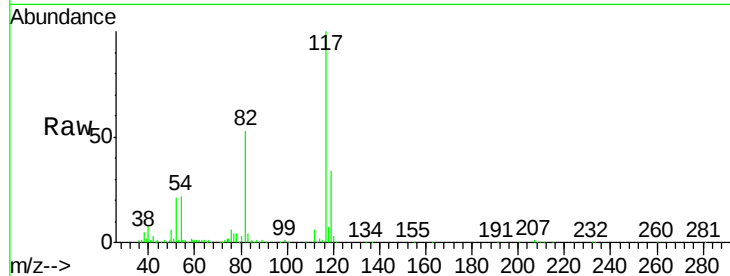




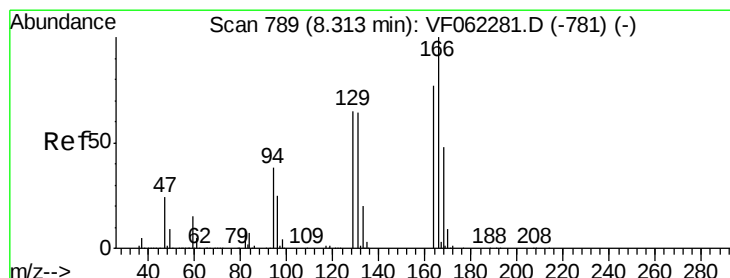
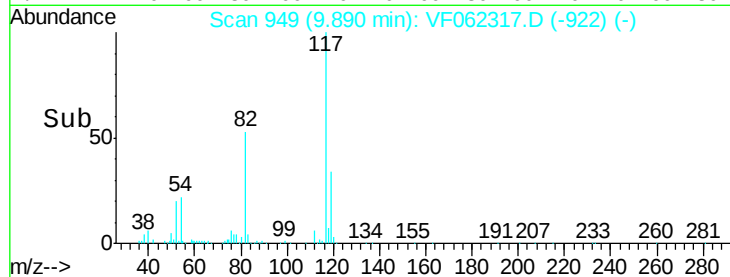
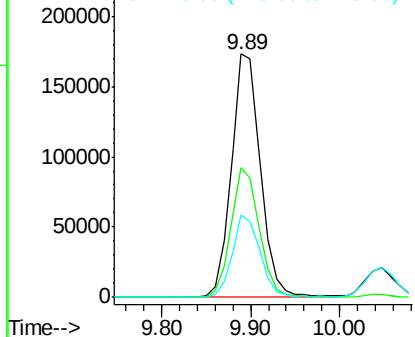
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.89 min Scan# 949
Delta R.T. -0.03 min
Lab File: VF062317.D
Acq: 29 Apr 2019 17:19

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:117 Resp: 396160
Ion Ratio Lower Upper
117 100
82 53.5 42.6 64.0
119 33.5 26.1 39.1

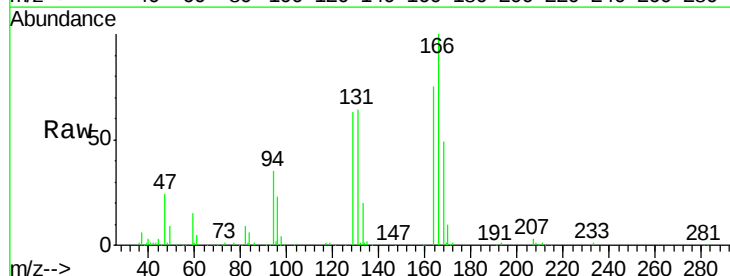


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

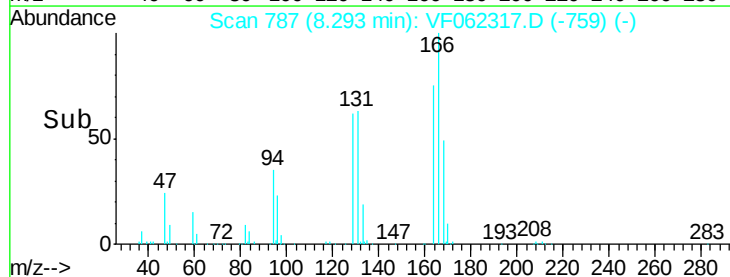
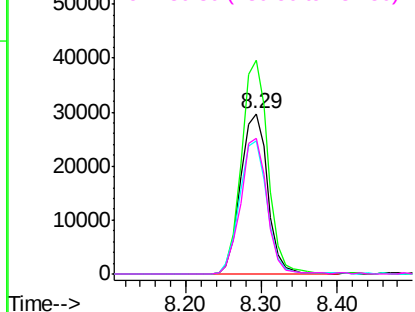


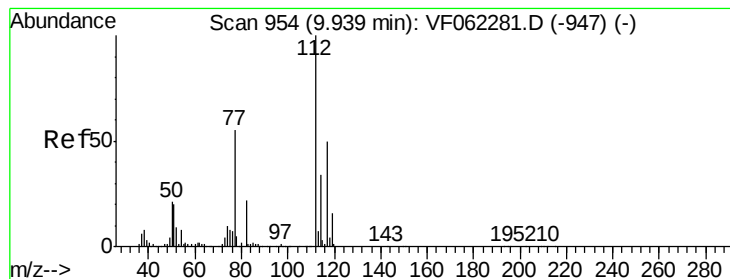
#64
Tetrachloroethene
Concen: 22.253 ug/l
RT: 8.29 min Scan# 787
Delta R.T. -0.02 min
Lab File: VF062317.D
Acq: 29 Apr 2019 17:19

Tgt Ion:164 Resp: 73737
Ion Ratio Lower Upper
164 100
166 133.0 103.5 155.3
129 83.2 67.6 101.4
131 84.5 66.1 99.1



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 20.868 ug/l

RT: 9.92 min Scan# 952

Delta R.T. -0.02 min

Lab File: VF062317.D

Acq: 29 Apr 2019 17:19

Instrument :

MSVOA_F

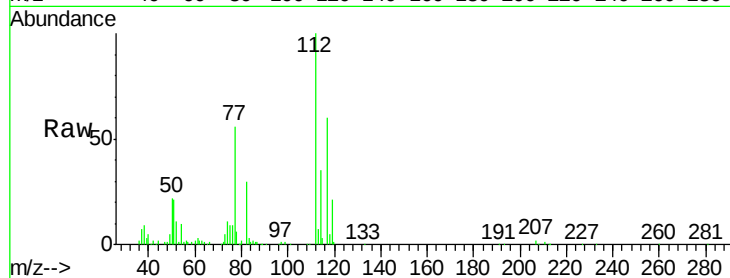
ClientSampleId :

Tot Ion:112 Resp: 151073

Ion Ratio Lower Upper

112 100

114 35.0 27.0 40.6



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

9.92

80000

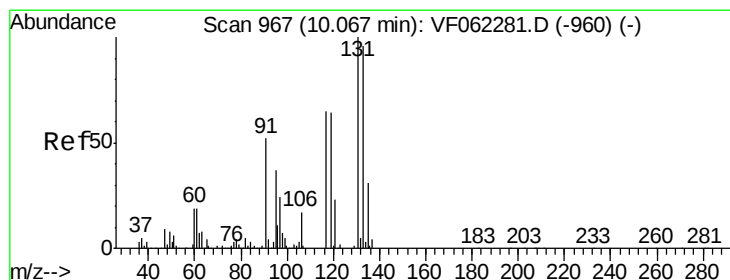
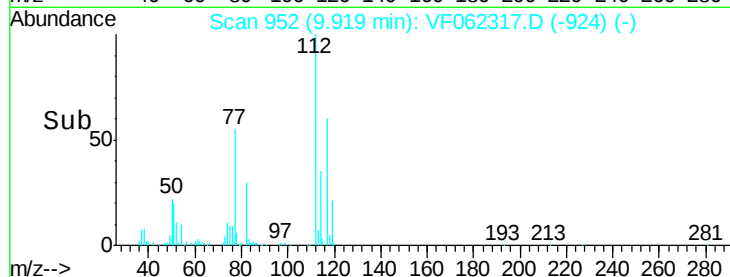
60000

40000

20000

0

Time--> 9.80 9.90 10.00



#66

1,1,1,2-Tetrachloroethane

Concen: 22.572 ug/l

RT: 10.05 min Scan# 965

Delta R.T. -0.02 min

Lab File: VF062317.D

Acq: 29 Apr 2019 17:19

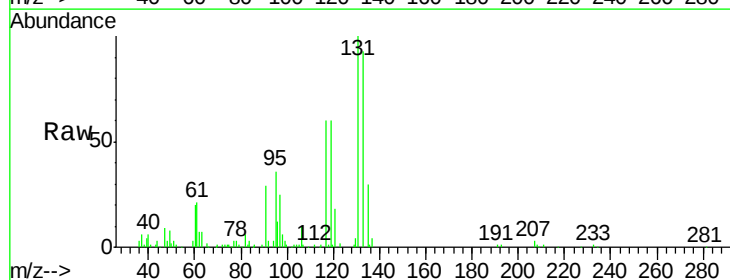
Tgt Ion:131 Resp: 76970

Ion Ratio Lower Upper

131 100

133 99.4 48.5 145.5

119 65.0 32.9 98.7



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

10.05

50000

40000

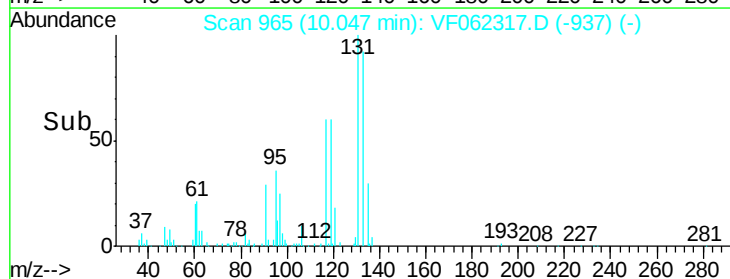
30000

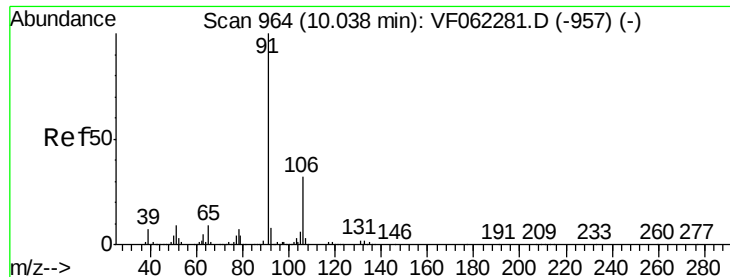
20000

10000

0

Time--> 10.00 10.10





#67

Ethyl Benzene

Concen: 21.569 ug/l

RT: 10.02 min Scan# 962

Delta R.T. -0.02 min

Lab File: VF062317.D

Acq: 29 Apr 2019 17:19

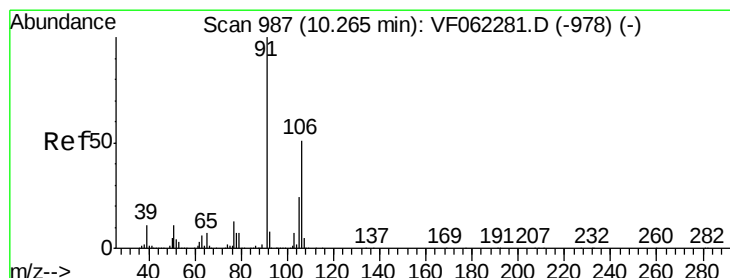
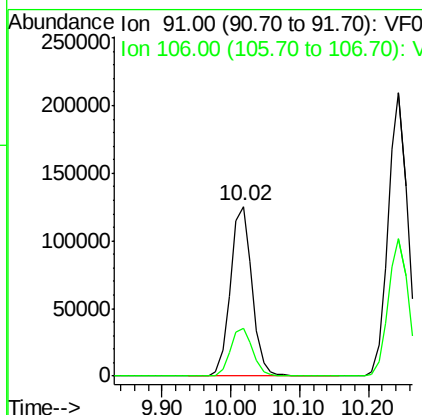
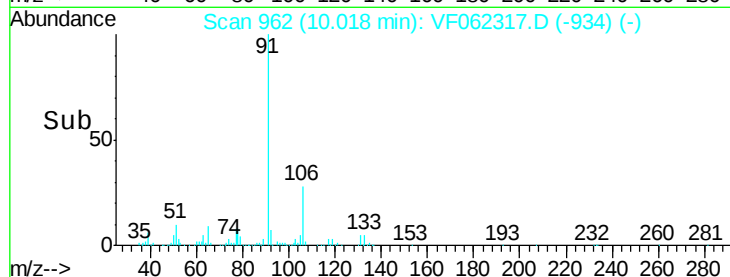
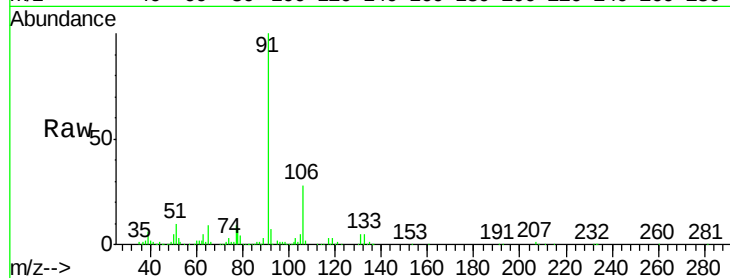
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 91 Resp: 271465

Ion Ratio Lower Upper

91 100

106 27.9 25.6 38.4



#68

m/p-Xylenes

Concen: 44.697 ug/l

RT: 10.24 min Scan# 985

Delta R.T. -0.02 min

Lab File: VF062317.D

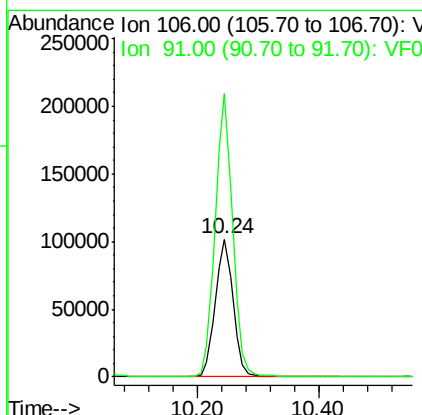
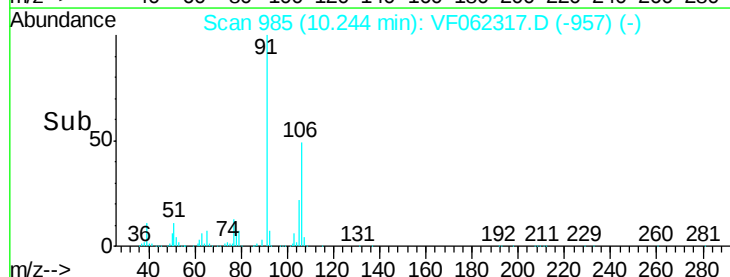
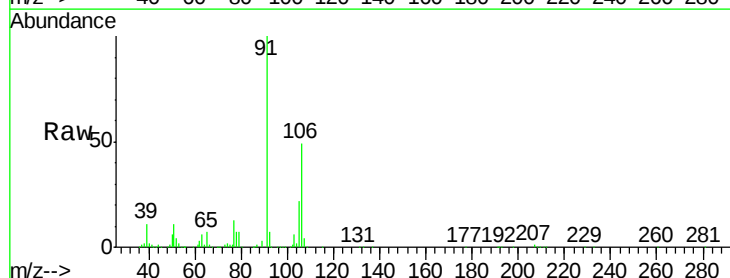
Acq: 29 Apr 2019 17:19

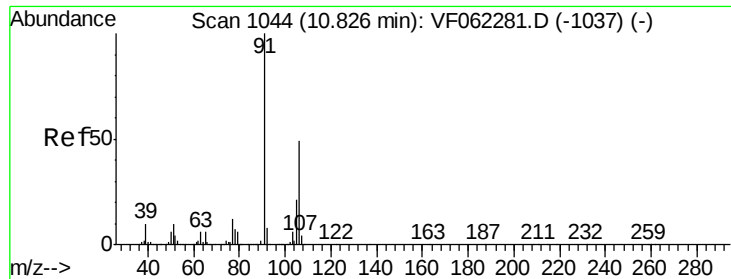
Tgt Ion: 106 Resp: 209438

Ion Ratio Lower Upper

106 100

91 201.3 158.3 237.5

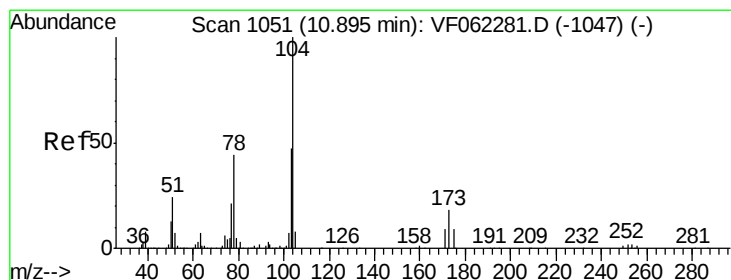
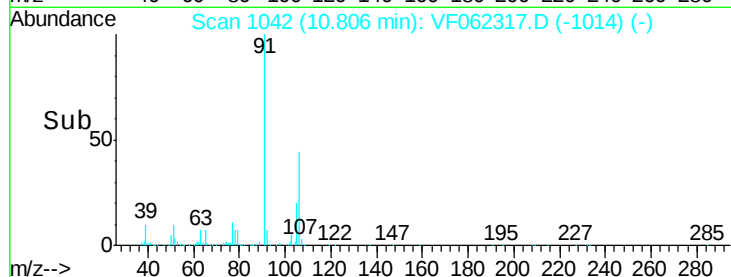
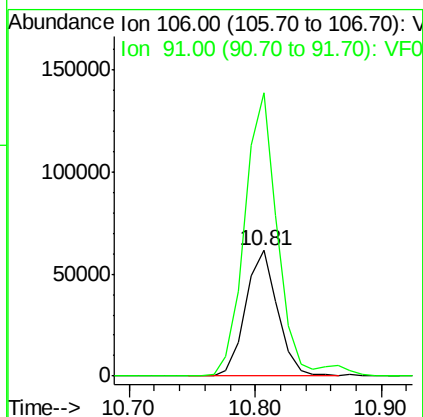
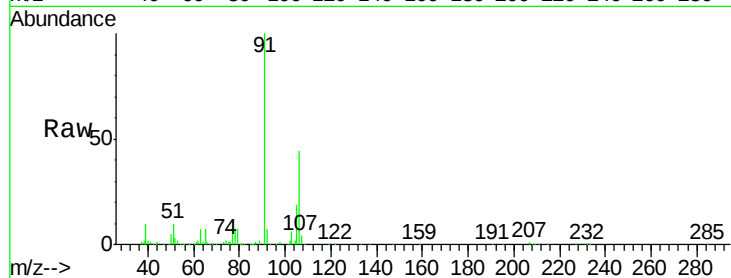




#69
o-Xylene
Concen: 20.732 ug/l
RT: 10.81 min Scan# 1042
Delta R.T. -0.02 min
Lab File: VF062317.D
Acq: 29 Apr 2019 17:19

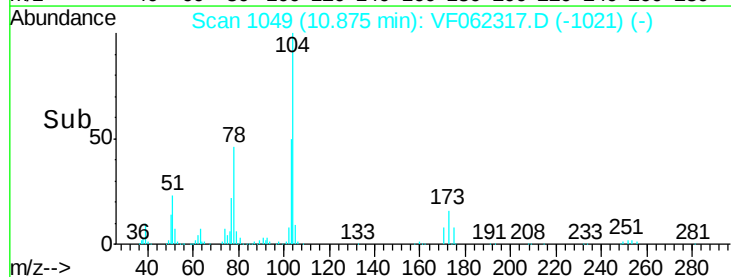
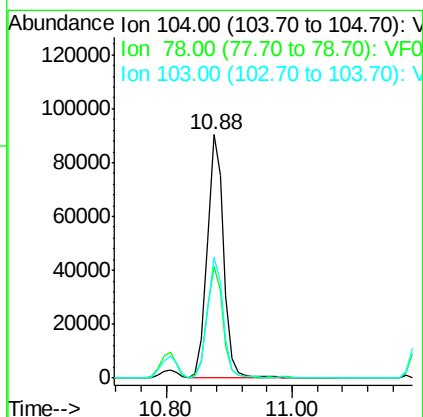
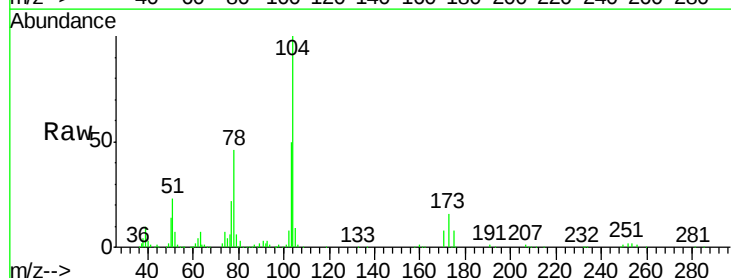
Instrument :
MSVOA_F
ClientSampleId :

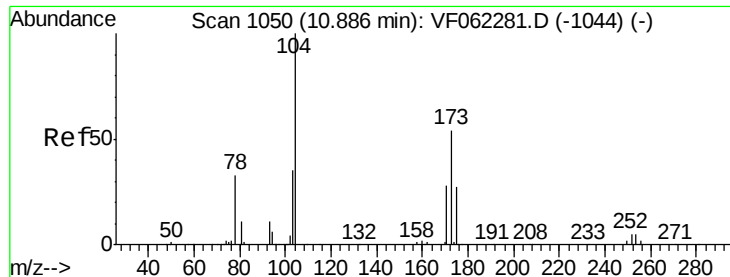
Tot Ion:106 Resp: 108534
Ion Ratio Lower Upper
106 100
91 227.0 110.0 330.0



#70
Styrene
Concen: 21.683 ug/l
RT: 10.88 min Scan# 1049
Delta R.T. -0.02 min
Lab File: VF062317.D
Acq: 29 Apr 2019 17:19

Tgt Ion:104 Resp: 164094
Ion Ratio Lower Upper
104 100
78 45.2 35.9 53.9
103 46.5 37.5 56.3





#71

Bromoform

Concen: 22.066 ug/l

RT: 10.87 min Scan# 1048

Delta R.T. -0.02 min

Lab File: VF062317.D

Acq: 29 Apr 2019 17:19

Instrument :

MSVOA_F

ClientSampled :

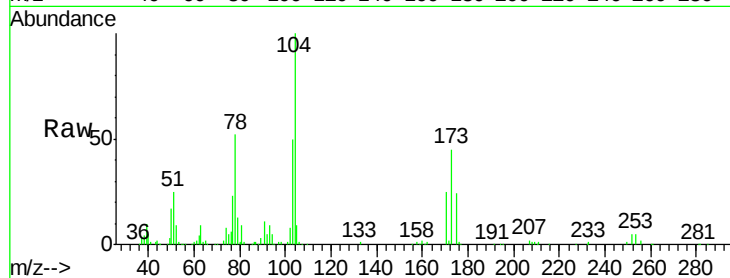
Tot Ion:173 Resp: 42354

Ion Ratio Lower Upper

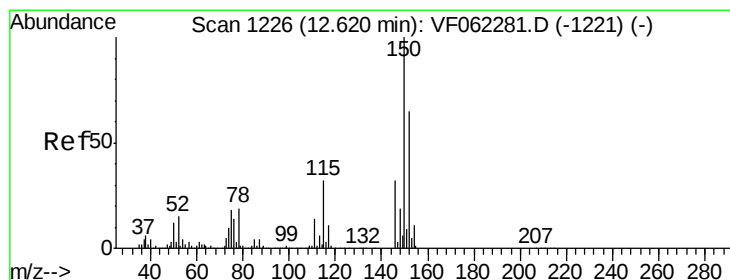
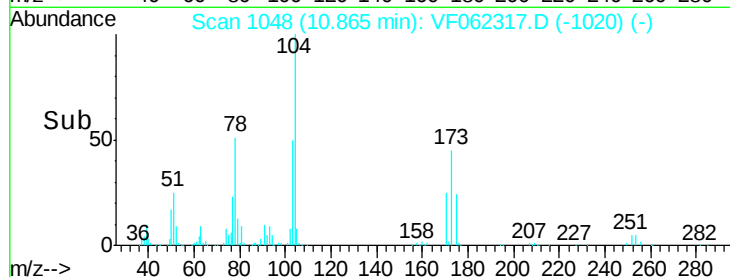
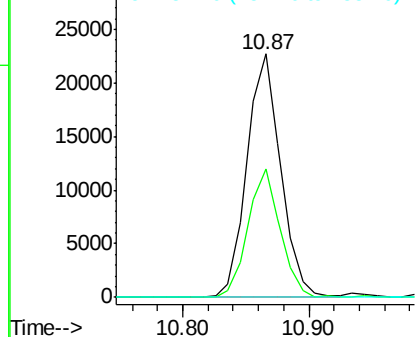
173 100

175 50.1 25.3 75.9

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.60 min Scan# 1224

Delta R.T. -0.02 min

Lab File: VF062317.D

Acq: 29 Apr 2019 17:19

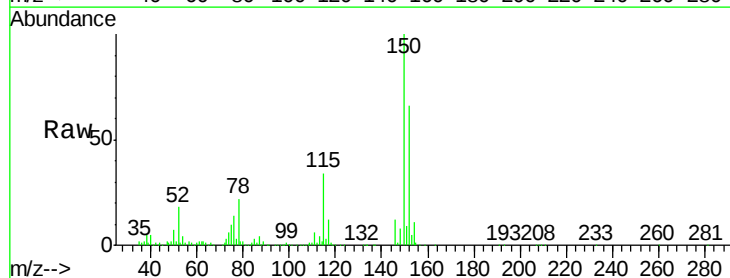
Tgt Ion:152 Resp: 253758

Ion Ratio Lower Upper

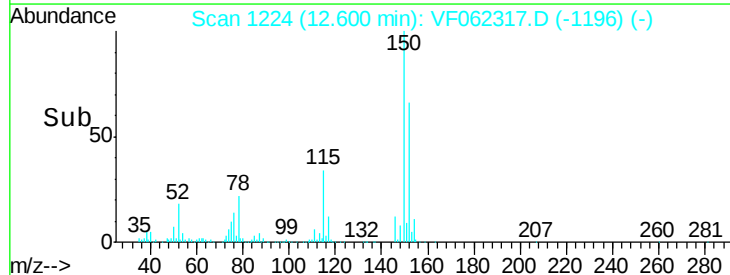
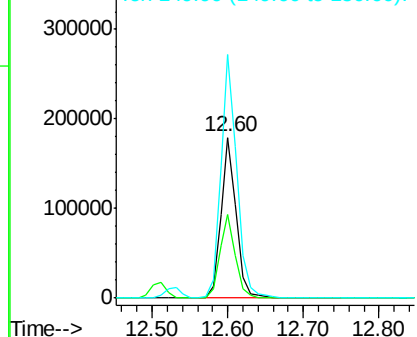
152 100

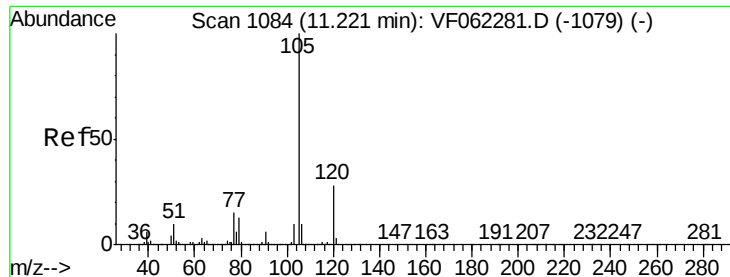
115 52.4 25.6 76.8

150 159.4 0.0 330.6



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: 18.620 ug/l

RT: 11.20 min Scan# 1082

Delta R.T. -0.02 min

Lab File: VF062317.D

Acq: 29 Apr 2019 17:19

Instrument :

MSVOA_F

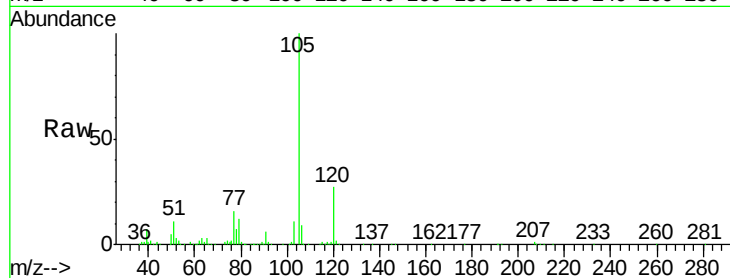
ClientSampled :

Tot Ion:105 Resp: 323729

Ion Ratio Lower Upper

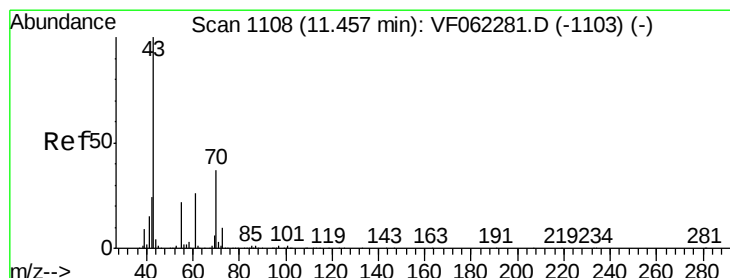
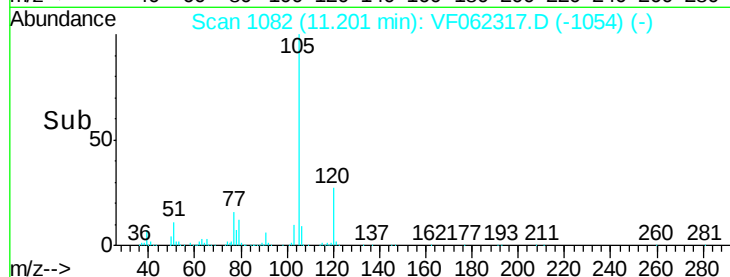
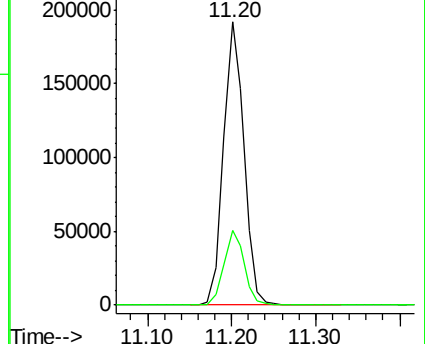
105 100

120 26.0 12.4 37.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 16.856 ug/l

RT: 11.44 min Scan# 1106

Delta R.T. -0.02 min

Lab File: VF062317.D

Acq: 29 Apr 2019 17:19

Tgt Ion: 43 Resp: 67525

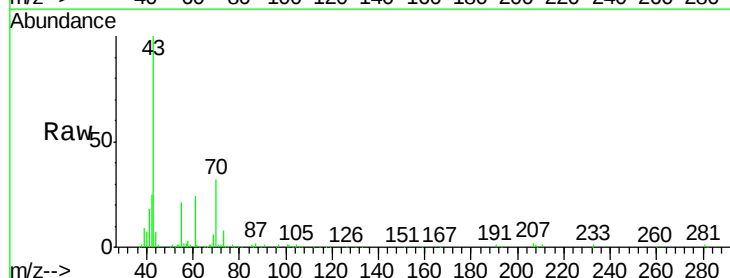
Ion Ratio Lower Upper

43 100

70 35.5 27.8 41.8

55 23.5 16.6 24.8

61 25.7 20.0 30.0

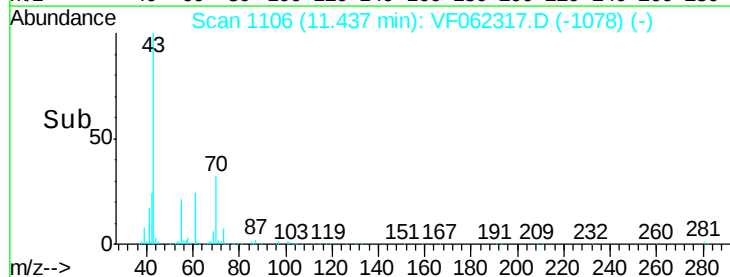
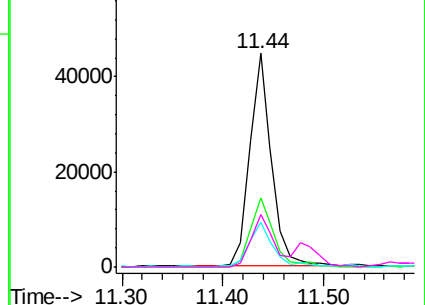


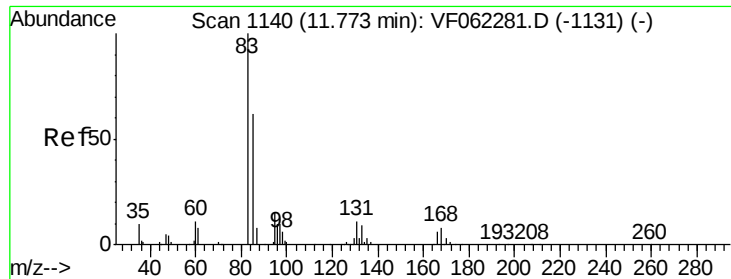
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.395 ug/l

RT: 11.75 min Scan# 1138

Delta R.T. -0.02 min

Lab File: VF062317.D

Acq: 29 Apr 2019 17:19

Instrument :

MSVOA_F

ClientSampleId :

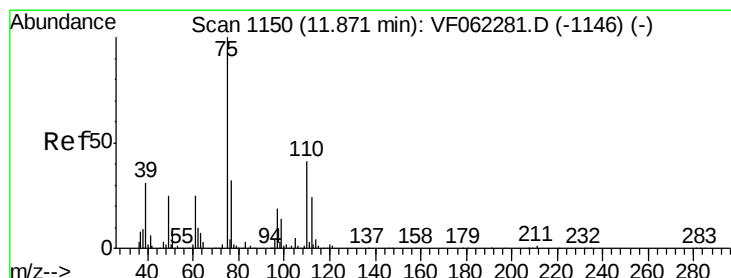
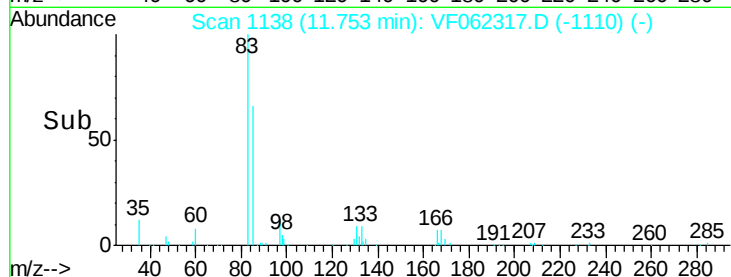
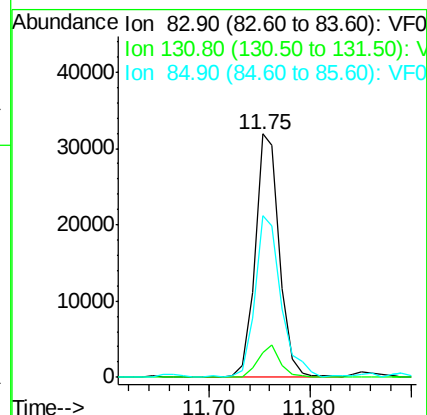
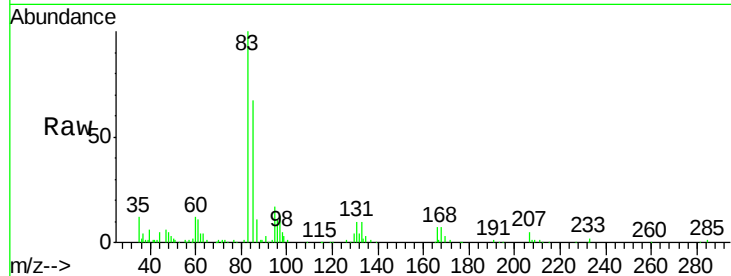
Tot Ion: 83 Resp: 53574

Ion Ratio Lower Upper

83 100

131 12.3 5.5 16.5

85 71.9 34.5 103.6



#76

1,2,3-Trichloropropane

Concen: 19.316 ug/l

RT: 11.85 min Scan# 1148

Delta R.T. -0.02 min

Lab File: VF062317.D

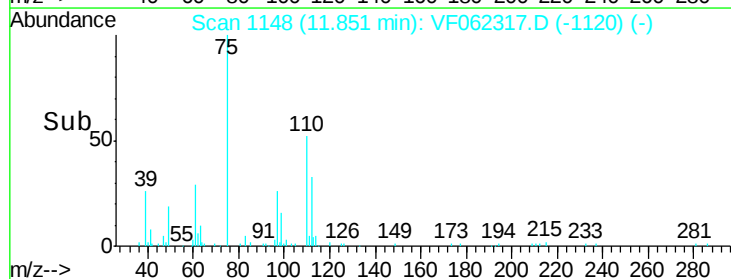
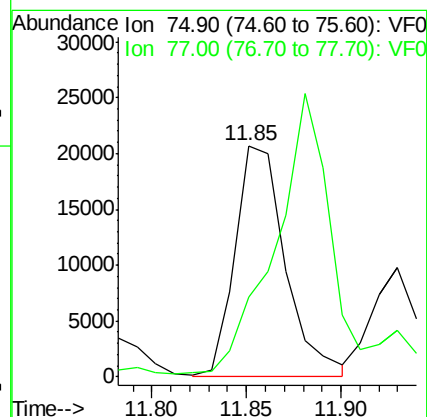
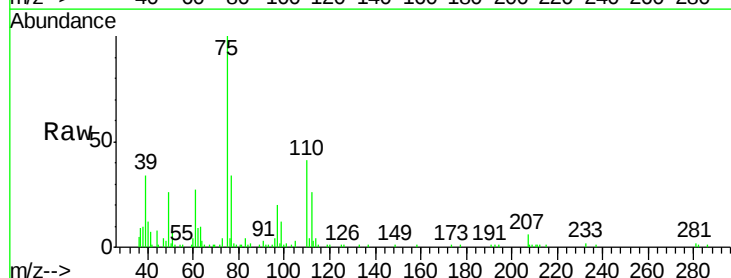
Acq: 29 Apr 2019 17:19

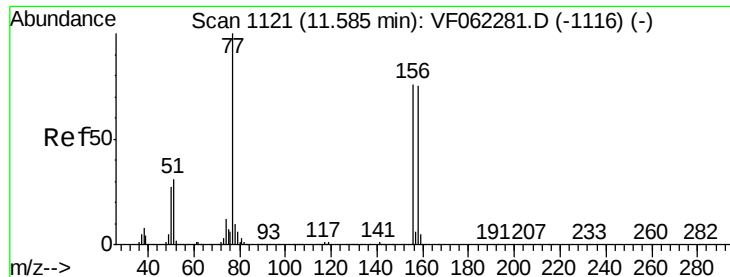
Tgt Ion: 75 Resp: 37855

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 20.408 ug/l

RT: 11.57 min Scan# 1119

Delta R.T. -0.02 min

Lab File: VF062317.D

Acq: 29 Apr 2019 17:19

Instrument :

MSVOA_F

ClientSampleId :

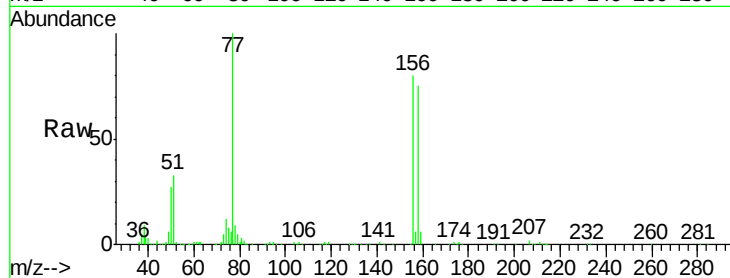
Tot Ion:156 Resp: 88701

Ion Ratio Lower Upper

156 100

77 128.2 67.3 201.9

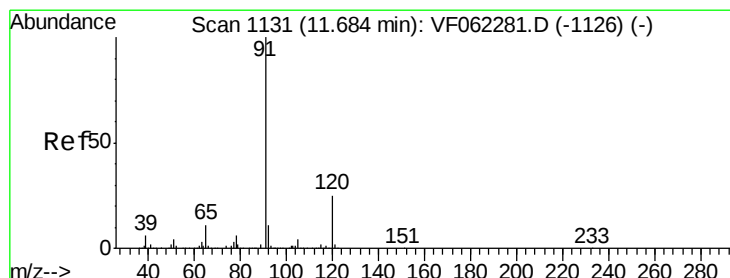
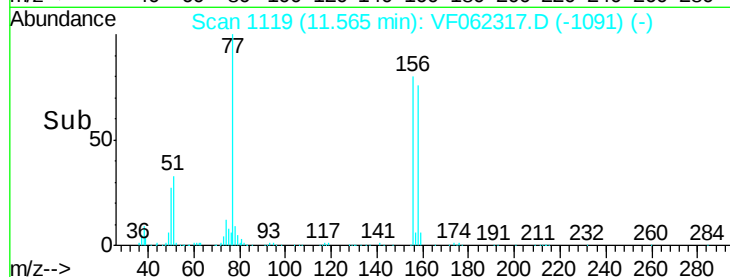
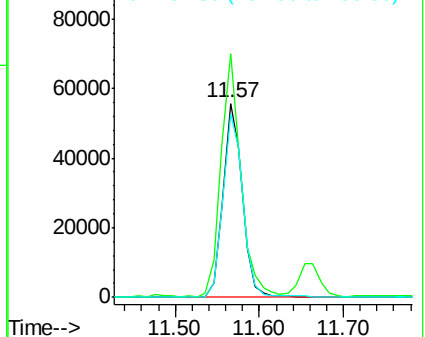
158 98.1 49.5 148.5



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: 19.567 ug/l

RT: 11.66 min Scan# 1129

Delta R.T. -0.02 min

Lab File: VF062317.D

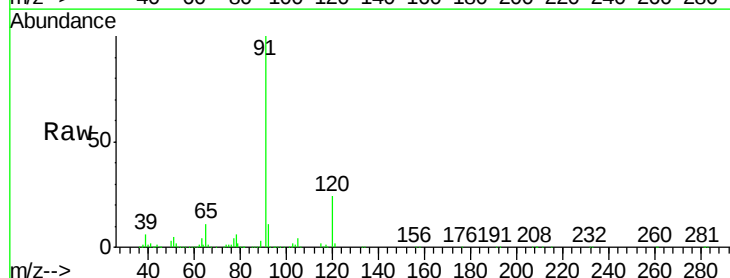
Acq: 29 Apr 2019 17:19

Tgt Ion: 91 Resp: 357959

Ion Ratio Lower Upper

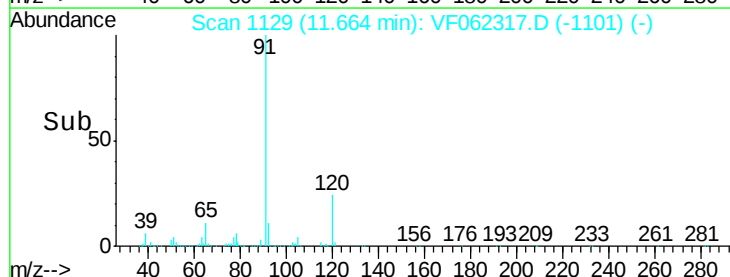
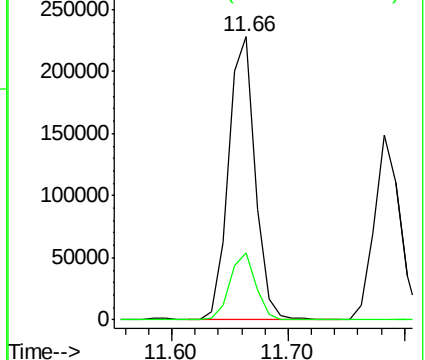
91 100

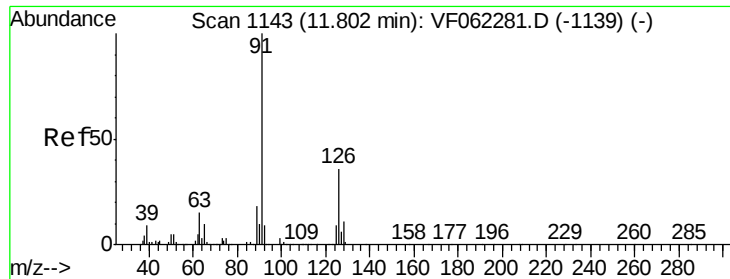
120 23.3 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.572 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.02 min

Lab File: VF062317.D

Acq: 29 Apr 2019 17:19

Instrument :

MSVOA_F

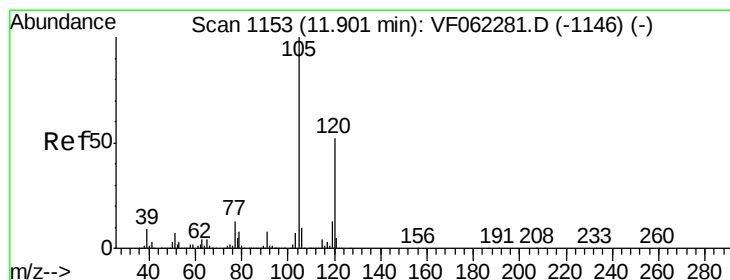
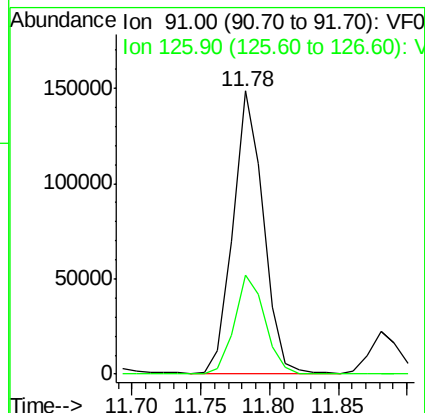
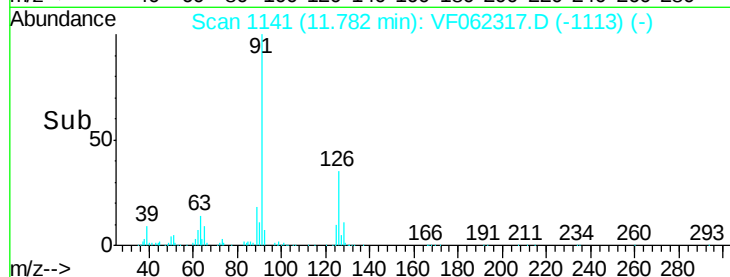
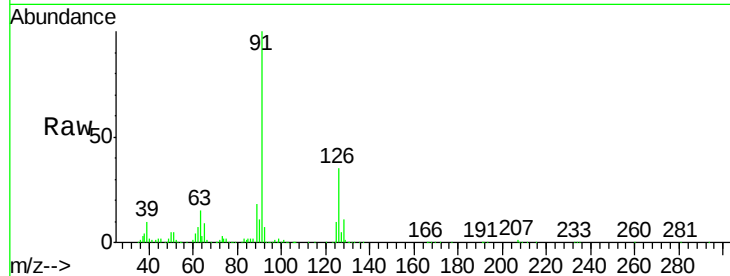
ClientSampleId :

Tot Ion: 91 Resp: 226687

Ion Ratio Lower Upper

91 100

126 35.9 17.9 53.8



#80

1,3,5-Trimethylbenzene

Concen: 20.678 ug/l

RT: 11.88 min Scan# 1151

Delta R.T. -0.02 min

Lab File: VF062317.D

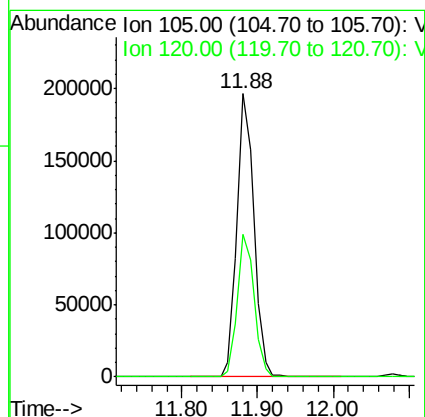
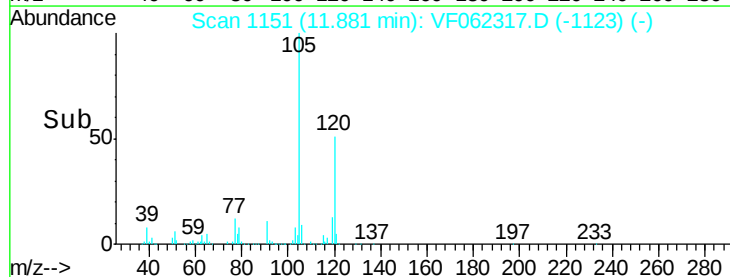
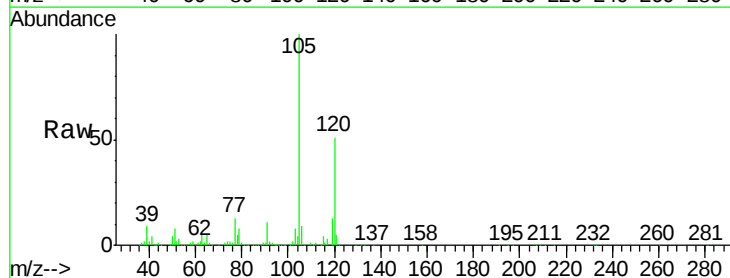
Acq: 29 Apr 2019 17:19

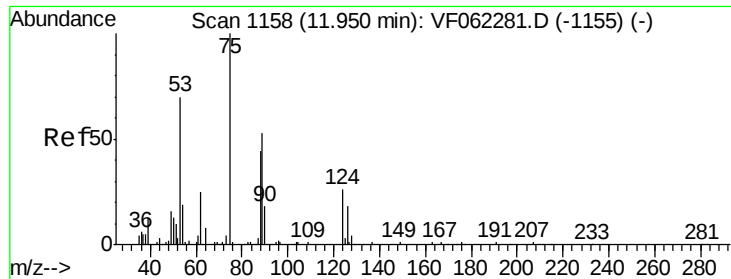
Tgt Ion:105 Resp: 303493

Ion Ratio Lower Upper

105 100

120 49.8 25.8 77.4

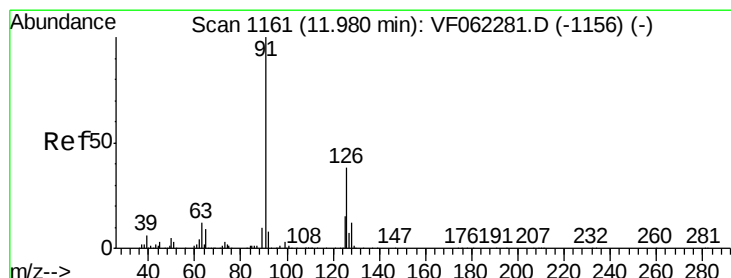
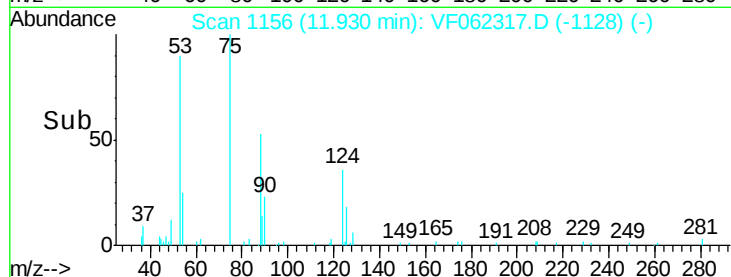
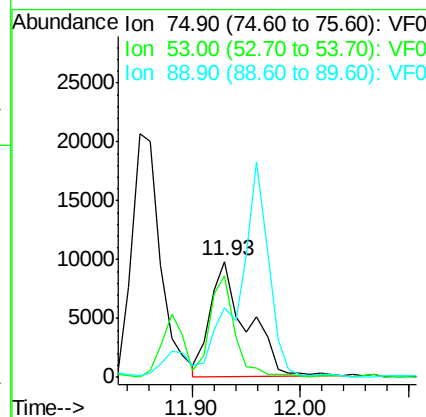
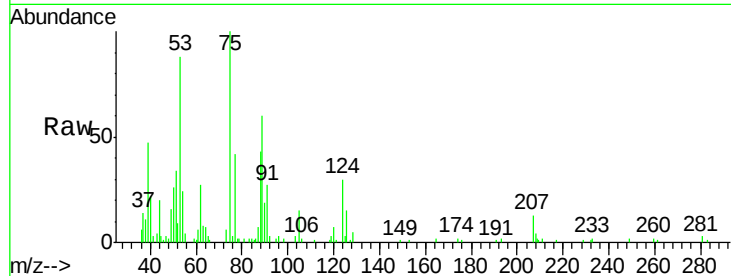




#81
trans-1,4-Dichloro-2-butene
Concen: 25.991 ug/l
RT: 11.93 min Scan# 1156
Delta R.T. -0.02 min
Lab File: VF062317.D
Acq: 29 Apr 2019 17:19

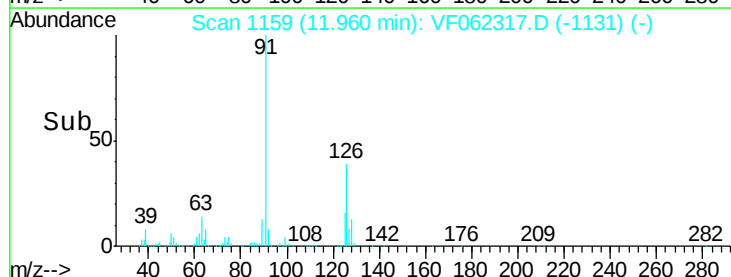
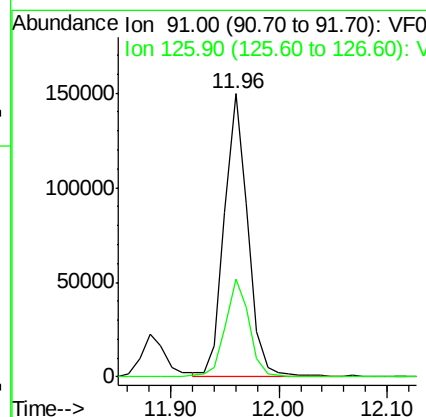
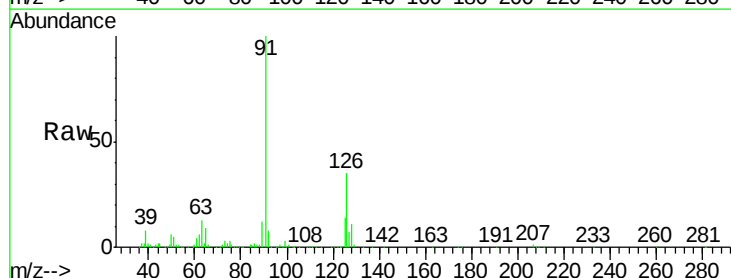
Instrument :
MSVOA_F
ClientSampled :

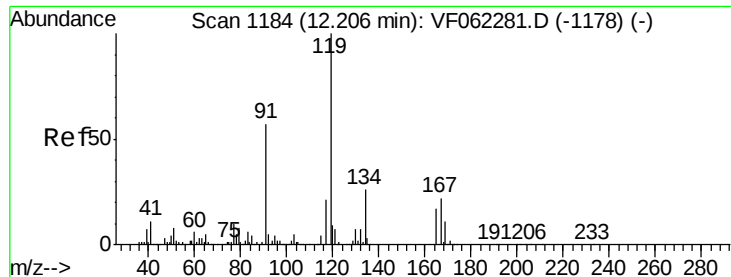
Tot Ion: 75 Resp: 22768
Ion Ratio Lower Upper
75 100
53 61.7 67.1 100.7#
89 0.0 0.0 0.0



#82
4-Chlorotoluene
Concen: 20.560 ug/l
RT: 11.96 min Scan# 1159
Delta R.T. -0.02 min
Lab File: VF062317.D
Acq: 29 Apr 2019 17:19

Tgt Ion: 91 Resp: 224180
Ion Ratio Lower Upper
91 100
126 35.8 17.3 52.0





#83

tert-Butylbenzene

Concen: 20.742 ug/l

RT: 12.19 min Scan# 1182

Delta R.T. -0.02 min

Lab File: VF062317.D

Acq: 29 Apr 2019 17:19

Instrument :

MSVOA_F

ClientSampleId :

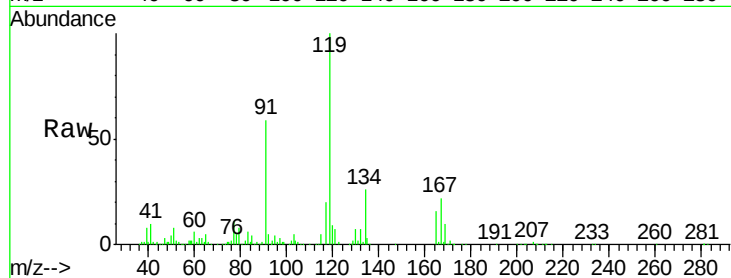
Tot Ion:119 Resp: 312428

Ion Ratio Lower Upper

119 100

91 58.8 29.4 88.2

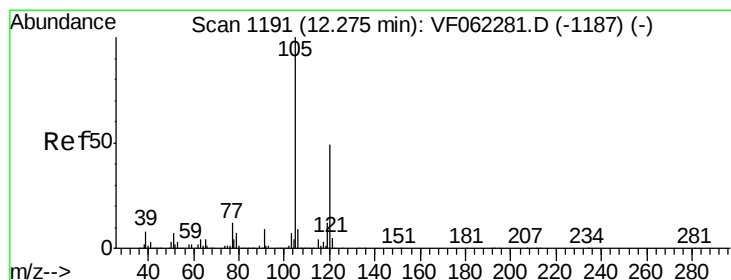
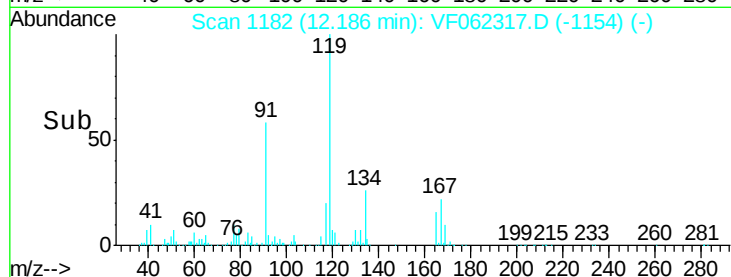
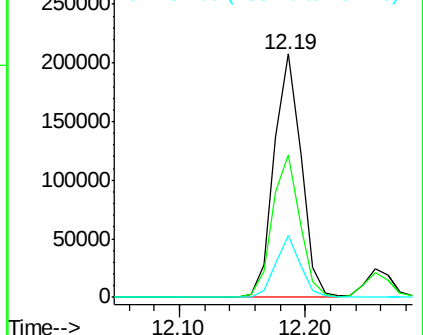
134 23.2 11.9 35.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 20.361 ug/l

RT: 12.26 min Scan# 1189

Delta R.T. -0.02 min

Lab File: VF062317.D

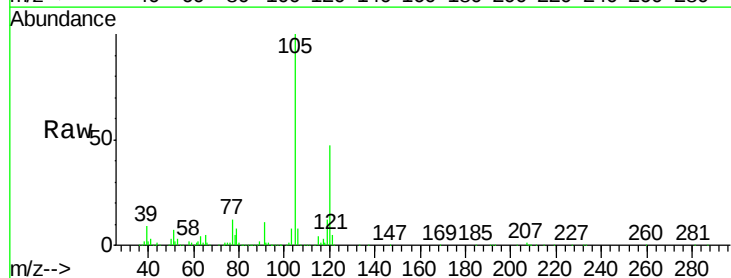
Acq: 29 Apr 2019 17:19

Tgt Ion:105 Resp: 289440

Ion Ratio Lower Upper

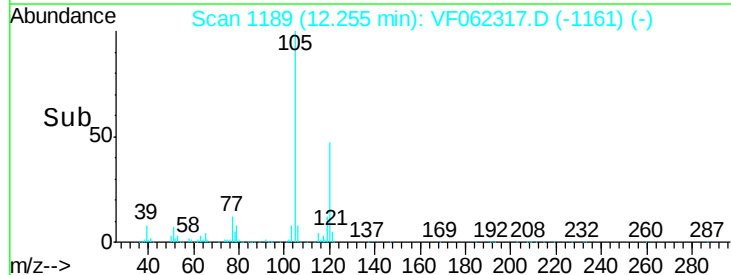
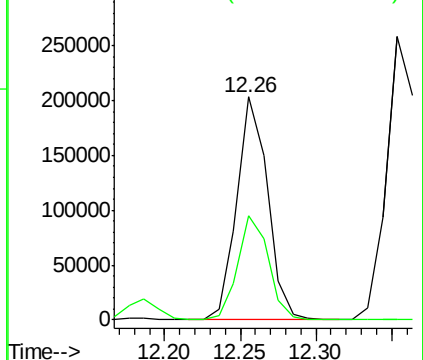
105 100

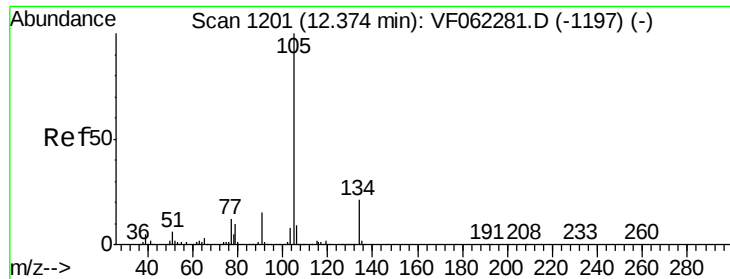
120 46.3 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

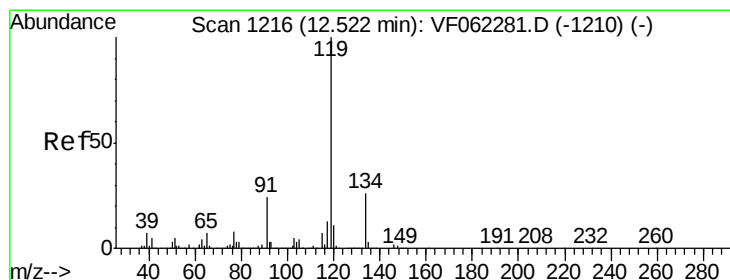
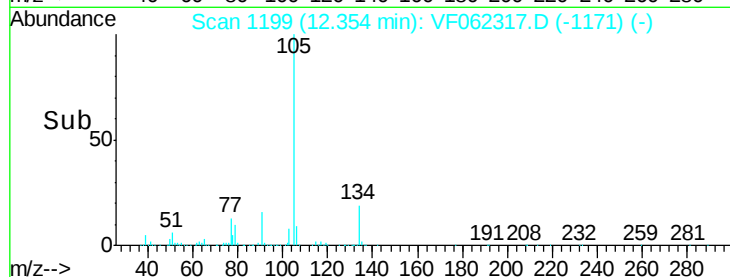
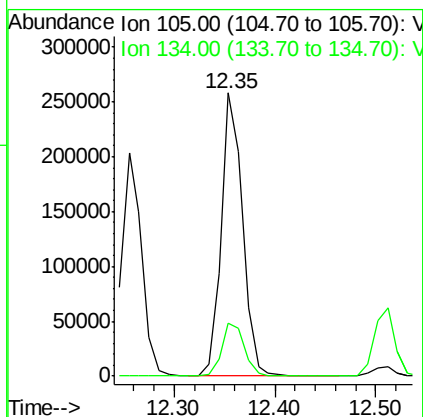
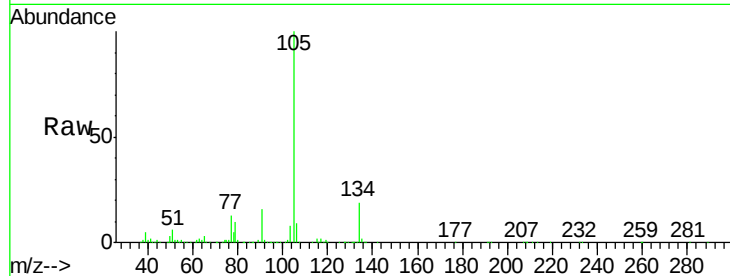




#85
 sec-Butylbenzene
 Concen: 20.260 ug/l
 RT: 12.35 min Scan# 1199
 Delta R.T. -0.02 min
 Lab File: VF062317.D
 Acq: 29 Apr 2019 17:19

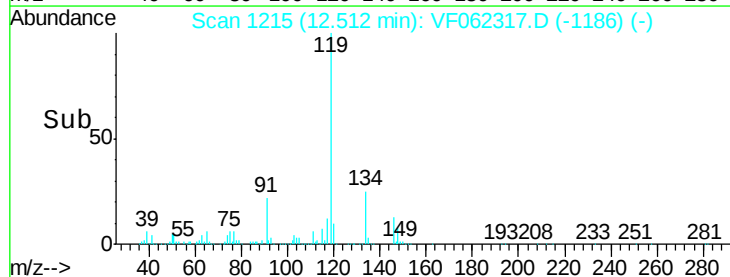
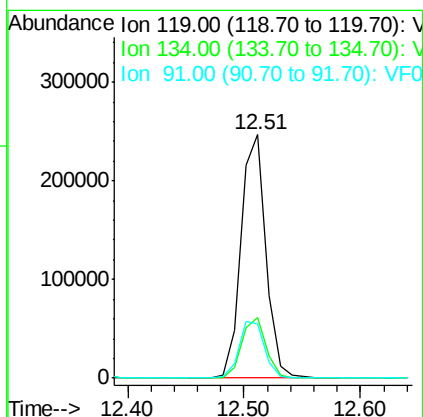
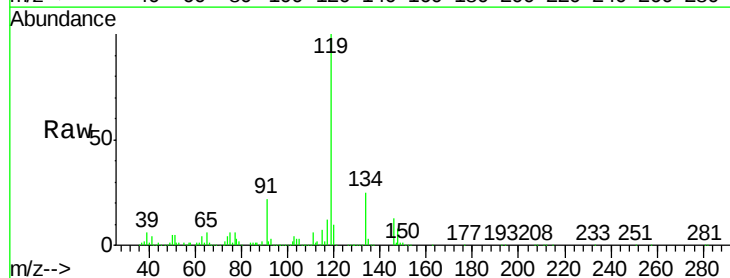
Instrument :
 MSVOA_F
 ClientSampled :

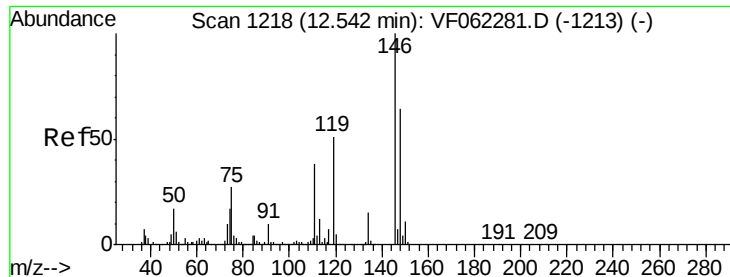
Tot Ion:105 Resp: 380104
 Ion Ratio Lower Upper
 105 100
 134 19.8 10.2 30.4



#86
 p-Isopropyltoluene
 Concen: 21.653 ug/l
 RT: 12.51 min Scan# 1215
 Delta R.T. -0.01 min
 Lab File: VF062317.D
 Acq: 29 Apr 2019 17:19

Tgt Ion:119 Resp: 364214
 Ion Ratio Lower Upper
 119 100
 134 24.7 13.2 39.5
 91 23.9 11.6 34.7

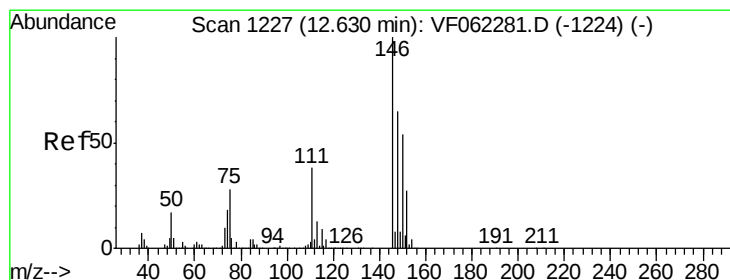
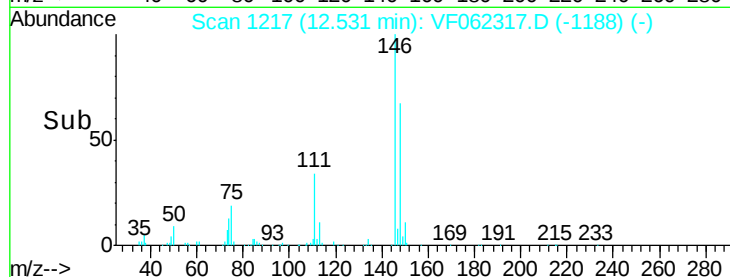
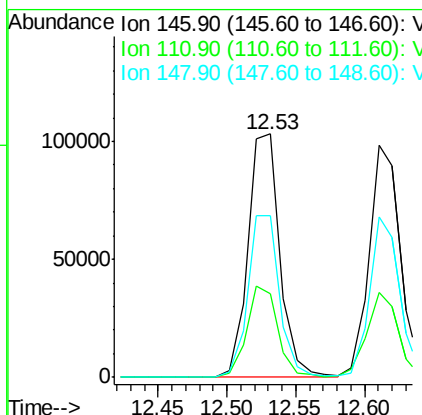
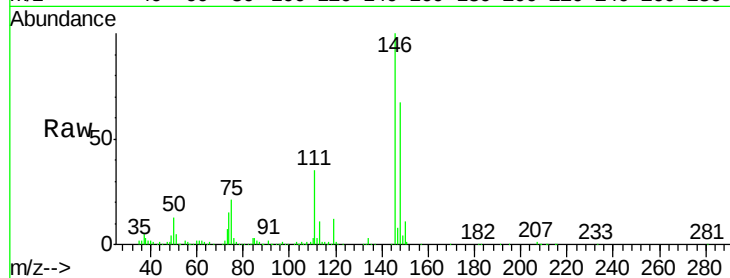




#87
 1,3-Dichlorobenzene
 Concen: 21.729 ug/l
 RT: 12.53 min Scan# 1217
 Delta R.T. -0.01 min
 Lab File: VF062317.D
 Acq: 29 Apr 2019 17:19

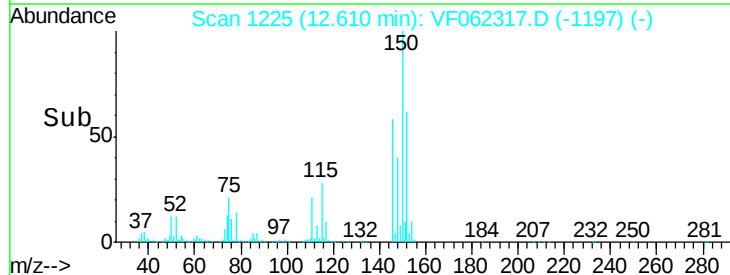
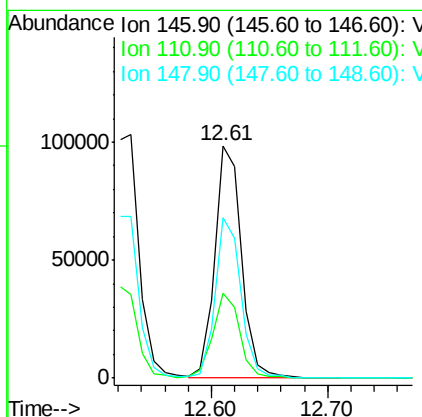
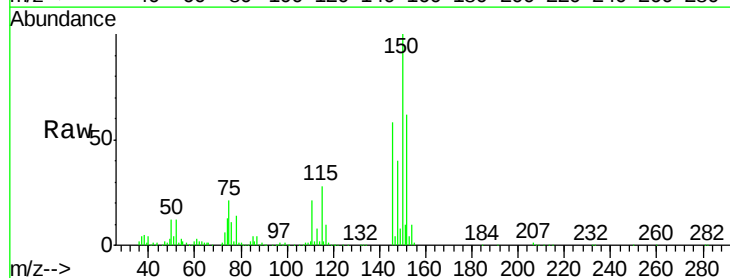
Instrument :
 MSVOA_F
 ClientSampleId :

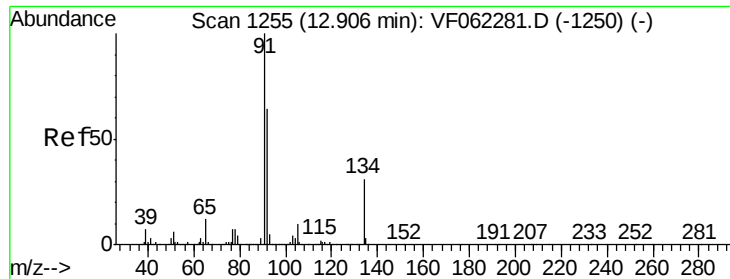
Tot Ion	Ratio	Lower	Upper
146	100		
111	36.7	18.6	55.8
148	66.4	32.8	98.4



#88
 1,4-Dichlorobenzene
 Concen: 21.303 ug/l
 RT: 12.61 min Scan# 1225
 Delta R.T. -0.02 min
 Lab File: VF062317.D
 Acq: 29 Apr 2019 17:19

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.6	56.0
148	67.2	32.5	97.5





#89

n-Butylbenzene

Concen: 20.694 ug/l

RT: 12.89 min Scan# 1253

Delta R.T. -0.02 min

Lab File: VF062317.D

Acq: 29 Apr 2019 17:19

Instrument :

MSVOA_F

ClientSampleId :

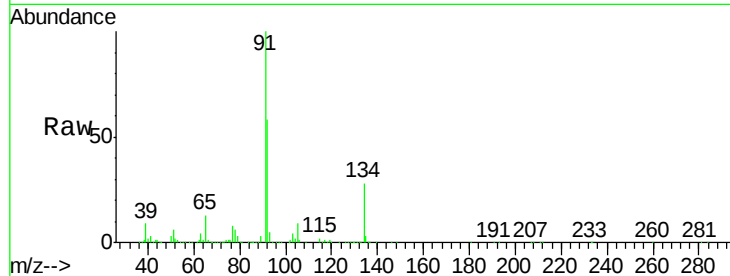
Tot Ion: 91 Resp: 316278

Ion Ratio Lower Upper

91 100

92 58.7 31.1 93.3

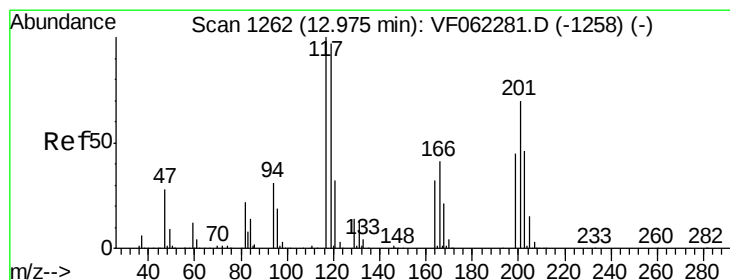
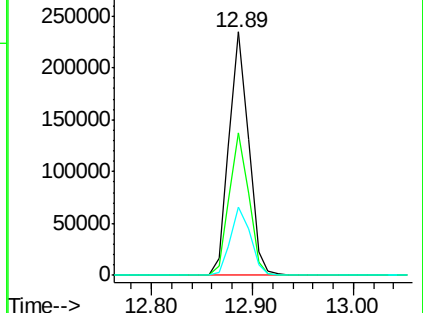
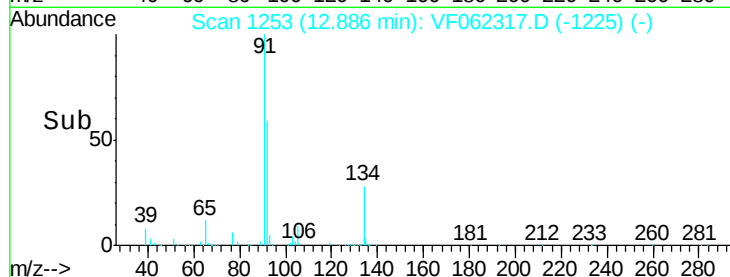
134 28.6 14.4 43.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 19.719 ug/l

RT: 12.97 min Scan# 1261

Delta R.T. -0.01 min

Lab File: VF062317.D

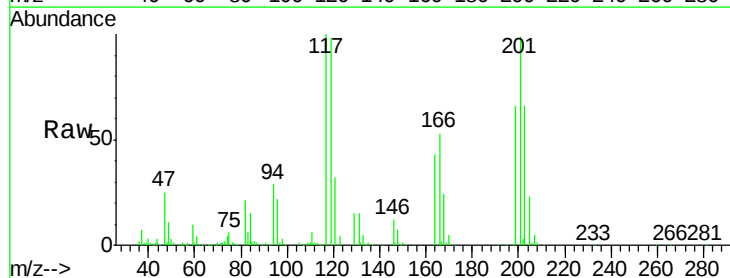
Acq: 29 Apr 2019 17:19

Tgt Ion: 117 Resp: 83143

Ion Ratio Lower Upper

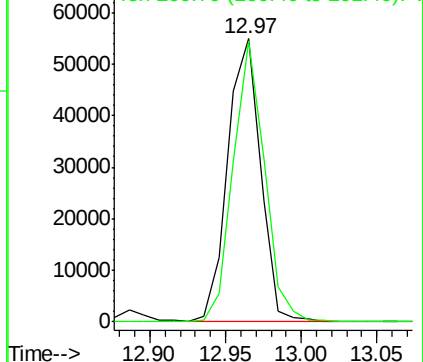
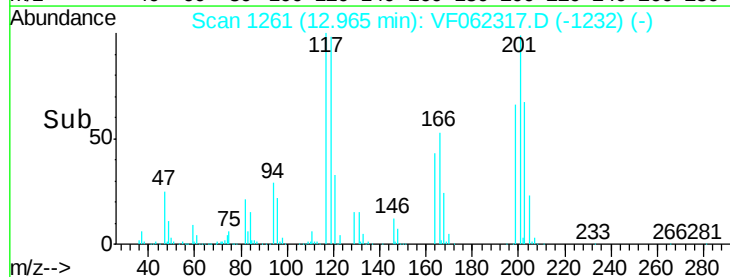
117 100

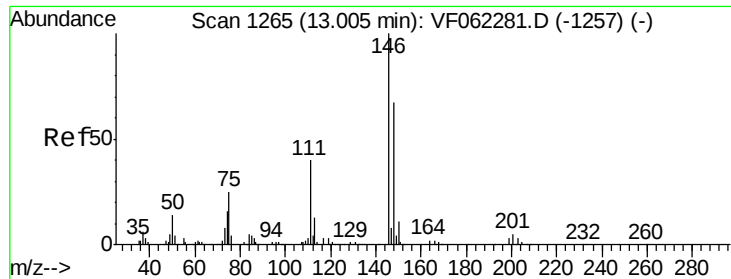
201 94.4 42.9 128.5



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

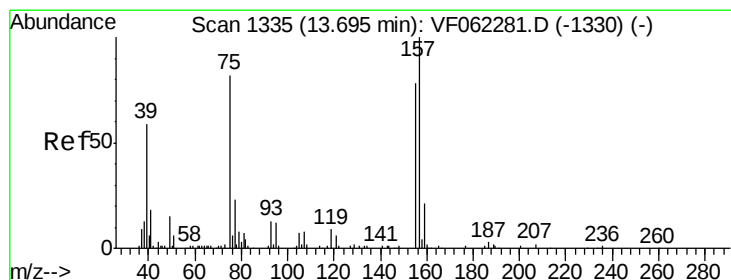
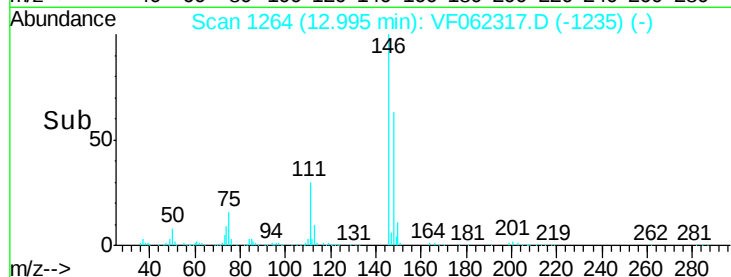
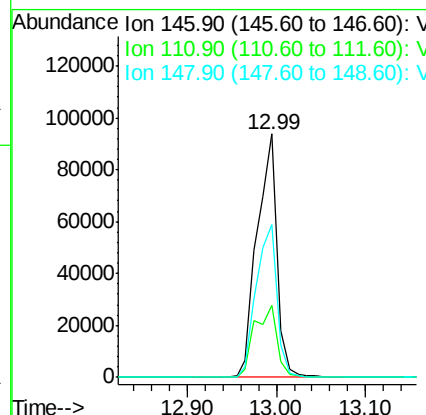
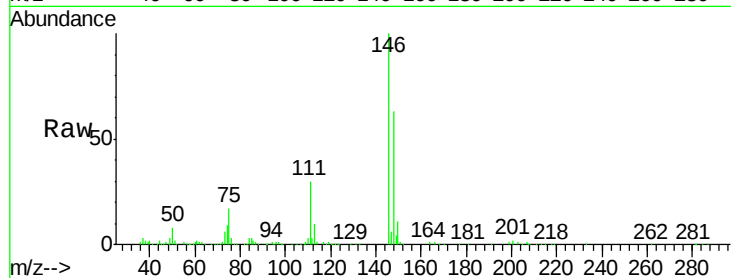




#91
 1,2-Dichlorobenzene
 Concen: 19.582 ug/l
 RT: 12.99 min Scan# 1264
 Delta R.T. -0.01 min
 Lab File: VF062317.D
 Acq: 29 Apr 2019 17:19

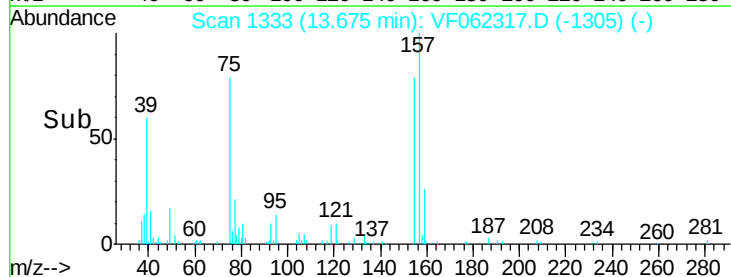
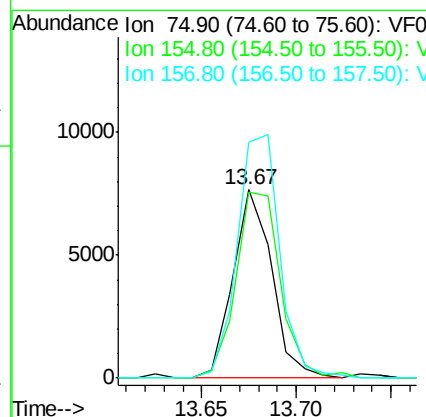
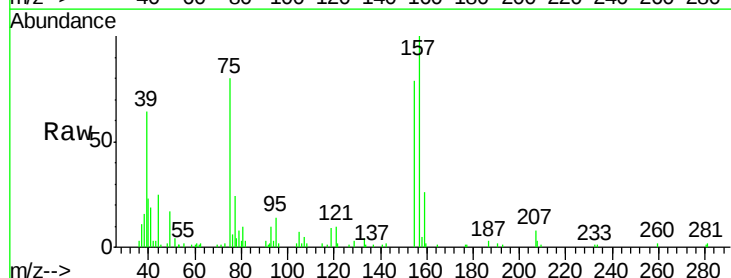
Instrument :
 MSVOA_F
 ClientSampleId :

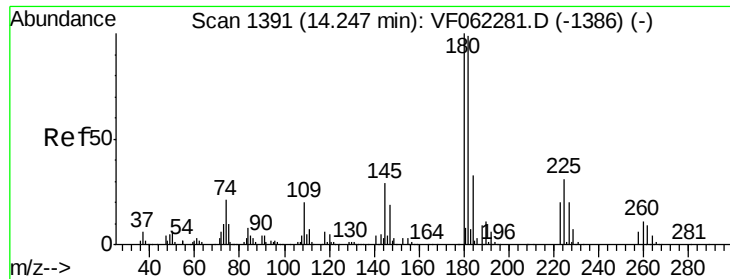
Tot Ion	Ratio	Lower	Upper
146	100		
111	33.8	20.0	59.9
148	65.2	33.1	99.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.539 ug/l
 RT: 13.67 min Scan# 1333
 Delta R.T. -0.02 min
 Lab File: VF062317.D
 Acq: 29 Apr 2019 17:19

Tgt Ion	Ratio	Lower	Upper
75	100		
155	114.0	51.7	155.2
157	141.8	64.5	193.5

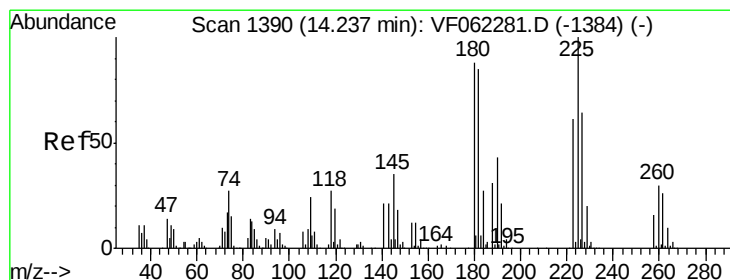
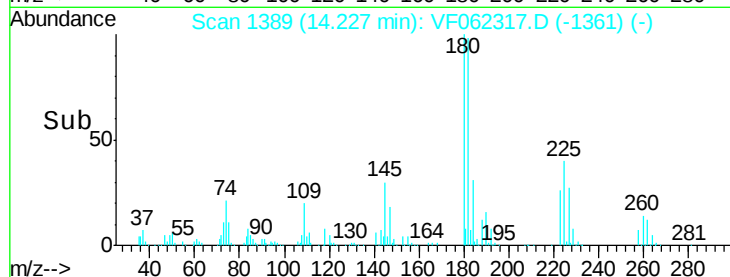
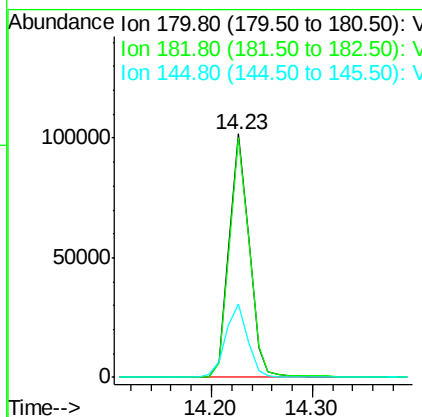
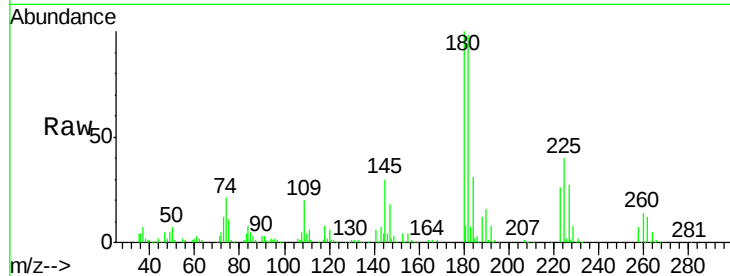




#93
 1,2,4-Trichlorobenzene
 Concen: 21.764 ug/l
 RT: 14.23 min Scan# 1389
 Delta R.T. -0.02 min
 Lab File: VF062317.D
 Acq: 29 Apr 2019 17:19

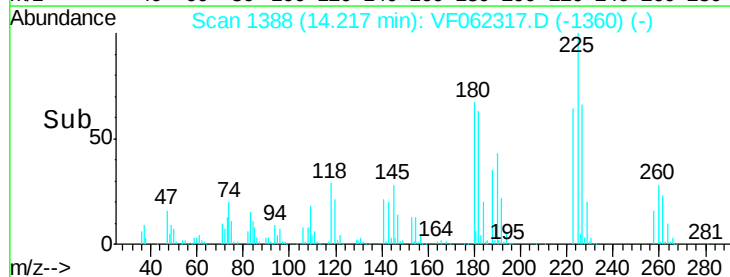
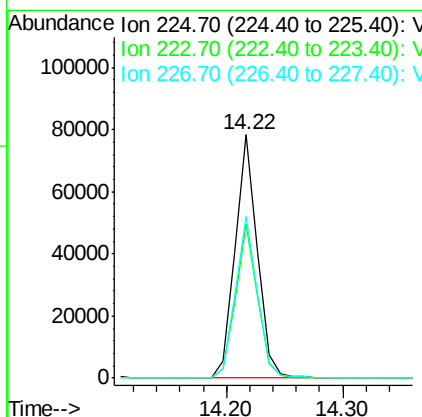
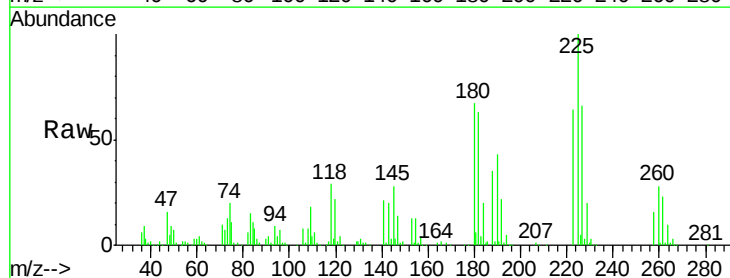
Instrument :
 MSVOA_F
 ClientSampleId :

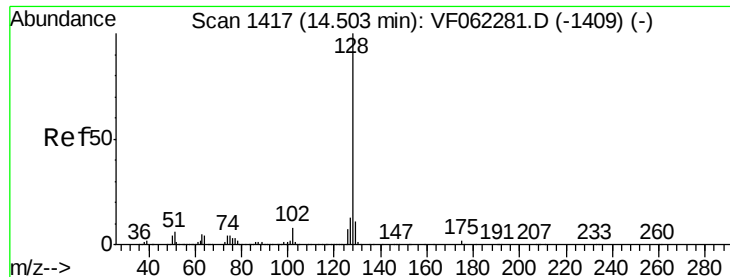
Tot Ion	Ratio	Lower	Upper
180	100		
182	97.4	48.5	145.6
145	33.4	16.7	50.1



#94
 Hexachlorobutadiene
 Concen: 22.253 ug/l
 RT: 14.22 min Scan# 1388
 Delta R.T. -0.02 min
 Lab File: VF062317.D
 Acq: 29 Apr 2019 17:19

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.6	30.8	92.3
227	66.2	31.9	95.5





#95

Naphthalene

Concen: 20.077 ug/l

RT: 14.48 min Scan# 1415

Delta R.T. -0.02 min

Lab File: VF062317.D

Acq: 29 Apr 2019 17:19

Instrument :

MSVOA_F

ClientSampleId :

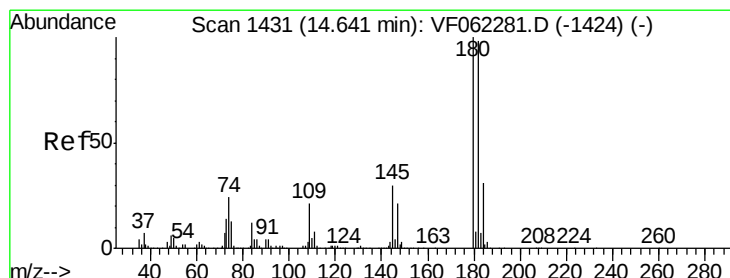
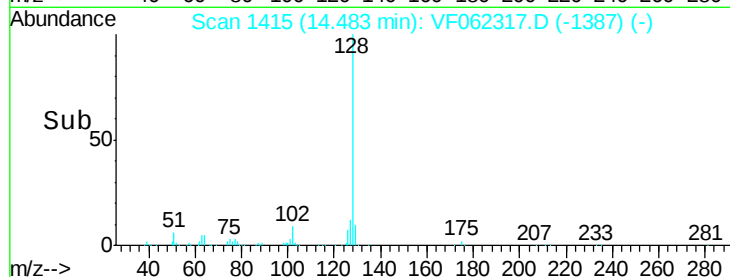
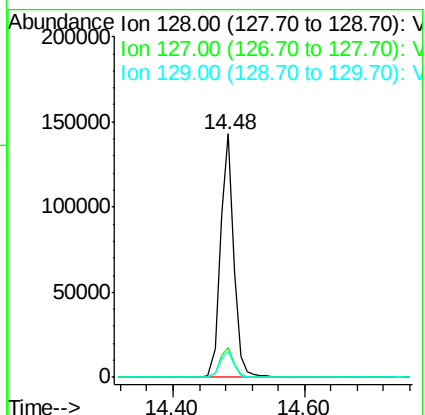
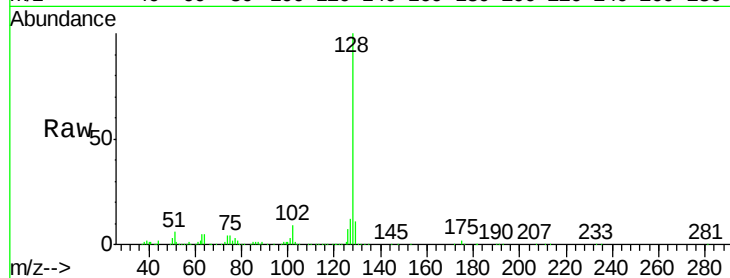
Tot Ion:128 Resp: 201693

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.4

129 11.0 8.9 13.3



#96

1,2,3-Trichlorobenzene

Concen: 22.277 ug/l

RT: 14.63 min Scan# 1430

Delta R.T. -0.01 min

Lab File: VF062317.D

Acq: 29 Apr 2019 17:19

Tgt Ion:180 Resp: 136621

Ion Ratio Lower Upper

180 100

182 96.4 49.0 147.2

145 29.5 14.5 43.5

