

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF040419\
 Data File : VF062162.D
 Acq On : 4 Apr 2019 17:35
 Operator : FY/SY
 Sample : VSTDIC075
 Misc : 5.00g/5mL/MSVOA_F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Quant Time: Apr 05 04:53:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F040419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 05 04:46:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	221841	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.57	114	358286	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.75	117	290927	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.54	152	145588	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.82	65	193532	105.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	211.80%	
35) Dibromofluoromethane	4.08	113	196816	79.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	159.32%	
50) Toluene-d8	7.52	98	565666	77.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	154.56%	
62) 4-Bromofluorobenzene	11.40	95	223804	78.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	157.04%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.96	85	211429	73.180	ug/l	99
3) Chloromethane	1.08	50	185657	63.594	ug/l #	88
4) Vinyl Chloride	1.13	62	177901	65.418	ug/l	96
5) Bromomethane	1.32	94	138387	69.731	ug/l	92
6) Chloroethane	1.39	64	91117	65.341	ug/l	91
7) Trichlorofluoromethane	1.46	101	271659	79.975	ug/l	90
8) Diethyl Ether	1.62	74	59014	78.260	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.82	101	166857	73.952	ug/l #	84
10) Methyl Iodide	1.89	142	233009	54.511	ug/l	98
11) Tert butyl alcohol	2.55	59	41684	444.207	ug/l #	94
12) 1,1-Dichloroethene	1.79	96	149950	70.165	ug/l	88
13) Acrolein	1.98	56	40641	367.021	ug/l	92
14) Allyl chloride	2.08	41	194575	81.505	ug/l	94
15) Acrylonitrile	2.92	53	115389	361.006	ug/l	95
16) Acetone	2.22	43	190222	507.147	ug/l	97
17) Carbon Disulfide	1.82	76	407184	62.287	ug/l	97
18) Methyl Acetate	2.33	43	65139	75.447	ug/l #	90
19) Methyl tert-butyl Ether	2.41	73	275023	78.802	ug/l	98
20) Methylene Chloride	2.16	84	48195	19.890	ug/l	91
21) trans-1,2-Dichloroethene	2.29	96	133723	64.488	ug/l	92
22) Diisopropyl ether	2.78	45	483704	78.909	ug/l	97
23) Vinyl Acetate	3.16	43	1172603	458.027	ug/l	98
24) 1,1-Dichloroethane	2.85	63	282621	76.972	ug/l	98
25) 2-Butanone	4.30	43	325998	439.584	ug/l	93
26) 2,2-Dichloropropane	3.57	77	137055	88.090	ug/l	87
27) cis-1,2-Dichloroethene	3.45	96	177322	64.666	ug/l	94
28) Bromochloromethane	3.69	49	127187	82.519	ug/l #	96
29) Tetrahydrofuran	4.04	42	130091	404.859	ug/l	96
30) Chloroform	3.83	83	336834	85.014	ug/l #	84
31) Cyclohexane	3.65	56	157168	41.851	ug/l	94
32) 1,1,1-Trichloroethane	4.07	97	212743	83.920	ug/l	92
36) 1,1-Dichloropropene	4.25	75	281591	80.691	ug/l	98
37) Ethyl Acetate	4.09	43	127553	84.163	ug/l	89
38) Carbon Tetrachloride	3.96	117	206424	85.003	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.42	83	282667	72.915	ug/l	96
40) Benzene	4.60	78	597432	66.167	ug/l	98
41) Methacrylonitrile	4.72	41	67481	83.764	ug/l	92
42) 1,2-Dichloroethane	4.92	62	233710	101.004	ug/l	97
43) Isopropyl Acetate	6.93	43	137007	75.944	ug/l	95
44) Trichloroethene	5.48	130	199322	72.003	ug/l	91
45) 1,2-Dichloropropane	6.21	63	144291	66.494	ug/l	96
46) Dibromomethane	6.06	93	101965	75.930	ug/l	96
47) Bromodichloromethane	6.35	83	264352	86.079	ug/l	96
48) Methyl methacrylate	6.69	41	95162	87.603	ug/l	94
49) 1,4-Dioxane	6.68	88	14148	1609.529	ug/l #	79
51) 4-Methyl-2-Pentanone	8.23	43	523971	423.976	ug/l	99
52) Toluene	7.59	92	389453	73.136	ug/l	91
53) t-1,3-Dichloropropene	8.25	75	209037	85.985	ug/l	99
54) cis-1,3-Dichloropropene	7.28	75	273567	81.312	ug/l	99
55) 1,1,2-Trichloroethane	8.46	97	98335	65.764	ug/l	90
56) Ethyl methacrylate	8.60	69	142293	78.218	ug/l	98
57) 1,3-Dichloropropane	8.82	76	189560	76.426	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.27	63	110613	404.904	ug/l #	89
59) 2-Hexanone	9.46	43	369019	410.188	ug/l	100
60) Dibromochloromethane	8.69	129	164878	78.265	ug/l	98
61) 1,2-Dibromoethane	8.96	107	116124	72.873	ug/l #	74
64) Tetrachloroethene	8.13	164	161318	71.995	ug/l	95
65) Chlorobenzene	9.77	112	416530	75.832	ug/l	94
66) 1,1,1,2-Tetrachloroethane	9.91	131	179617	80.131	ug/l	94
67) Ethyl Benzene	9.88	91	782789	80.113	ug/l	96
68) m/p-Xylenes	10.11	106	553320	152.185	ug/l	97
69) o-Xylene	10.70	106	288302	77.412	ug/l	91
70) Styrene	10.76	104	423910	73.730	ug/l	97
71) Bromoform	10.76	173	93848	81.541	ug/l #	92
73) Isopropylbenzene	11.10	105	873362	83.910	ug/l	99
74) N-amyl acetate	11.36	43	236380	93.606	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.68	83	135020	77.186	ug/l	98
76) 1,2,3-Trichloropropane	11.78	75	106111	83.342	ug/l	90
77) Bromobenzene	11.47	156	178897	71.327	ug/l	96
78) n-propylbenzene	11.57	91	955811	78.119	ug/l	94
79) 2-Chlorotoluene	11.70	91	572173	84.369	ug/l	95
80) 1,3,5-Trimethylbenzene	11.81	105	715400	82.209	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.85	75	59939	114.748	ug/l	88
82) 4-Chlorotoluene	11.88	91	550098	78.141	ug/l	97
83) tert-Butylbenzene	12.11	119	720535	79.834	ug/l	99
84) 1,2,4-Trimethylbenzene	12.18	105	710939	83.532	ug/l	97
85) sec-Butylbenzene	12.29	105	928971	79.896	ug/l	98
86) p-Isopropyltoluene	12.44	119	810695	79.115	ug/l	94
87) 1,3-Dichlorobenzene	12.46	146	339311	71.689	ug/l	95
88) 1,4-Dichlorobenzene	12.55	146	342757	75.161	ug/l	97
89) n-Butylbenzene	12.82	91	767808	78.992	ug/l	95
90) Hexachloroethane	12.90	117	193399	80.841	ug/l	94
91) 1,2-Dichlorobenzene	12.92	146	315502	71.959	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.62	75	28281	101.623	ug/l	60

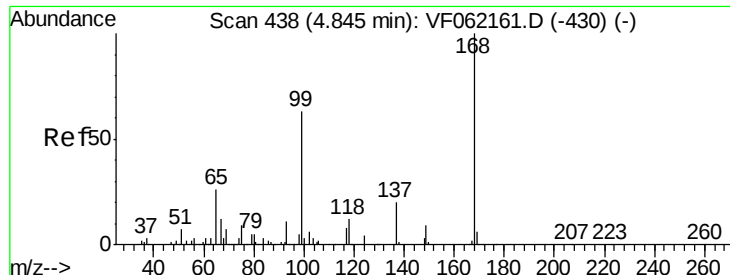
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF040419\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.18	180	232288	75.217	ug/l	94
94) Hexachlorobutadiene	14.17	225	153648	75.320	ug/l	93
95) Naphthalene	14.44	128	381432	72.190	ug/l	97
96) 1,2,3-Trichlorobenzene	14.59	180	214945	75.906	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.85 min Scan# 438

Delta R.T. 0.00 min

Lab File: VF062162.D

Acq: 4 Apr 2019 17:35

Instrument :

MSVOA_F

ClientSampleId :

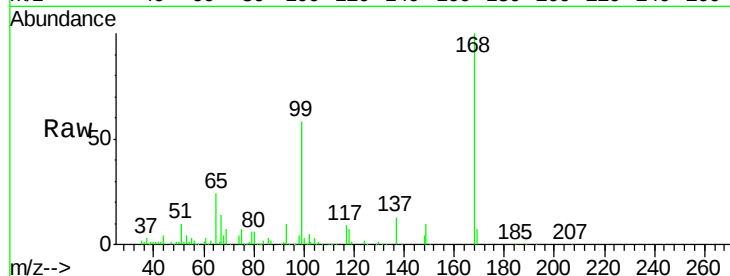
VSTDIC075

Tgt Ion:168 Resp: 221841

Ion Ratio Lower Upper

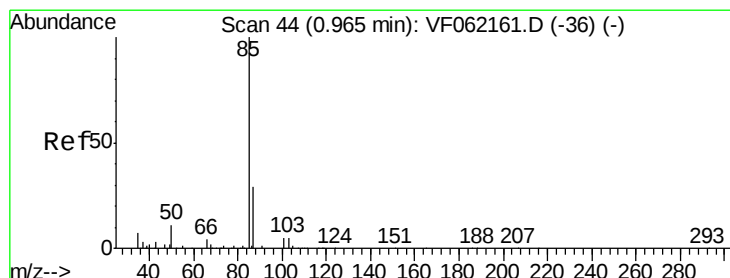
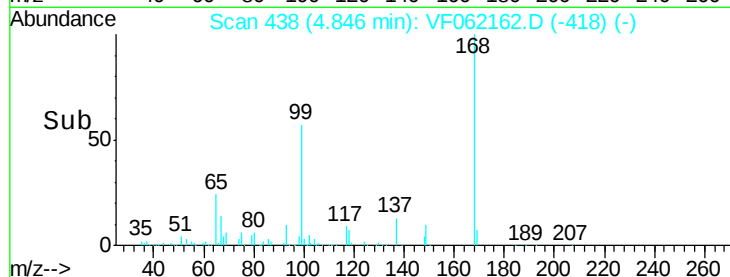
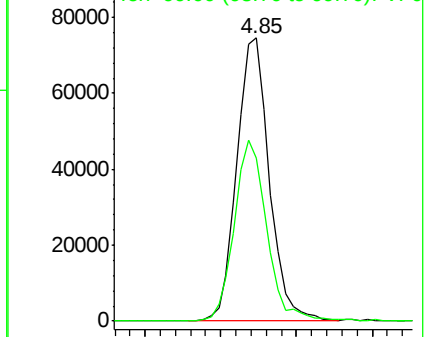
168 100

99 57.5 50.5 75.7



Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 73.180 ug/l

RT: 0.96 min Scan# 43

Delta R.T. -0.01 min

Lab File: VF062162.D

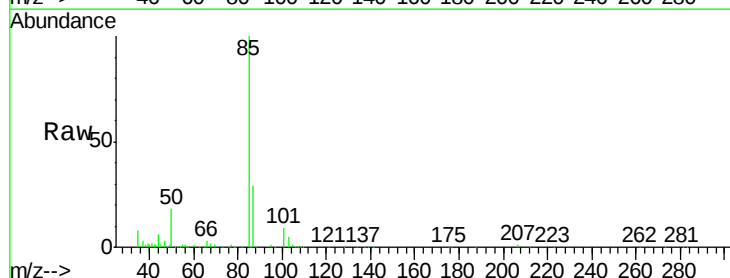
Acq: 4 Apr 2019 17:35

Tgt Ion: 85 Resp: 211429

Ion Ratio Lower Upper

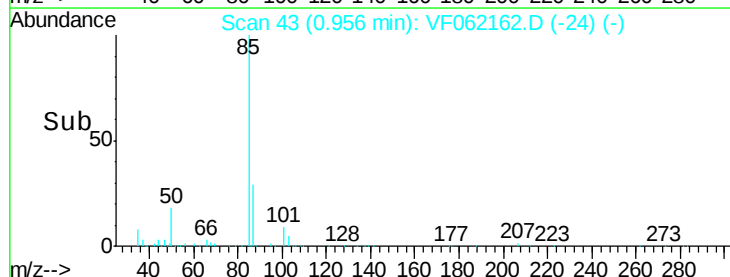
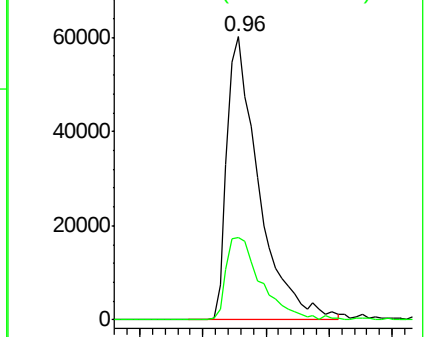
85 100

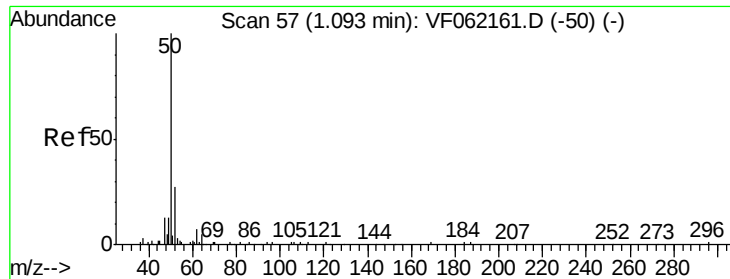
87 29.0 14.9 44.5



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 63.594 ug/l

RT: 1.08 min Scan# 56

Delta R.T. -0.01 min

Lab File: VF062162.D

Acq: 4 Apr 2019 17:35

Instrument :

MSVOA_F

ClientSampleId :

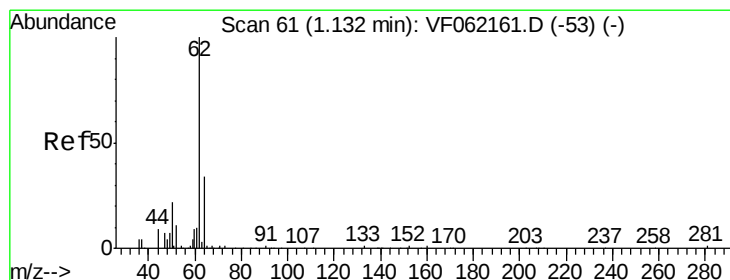
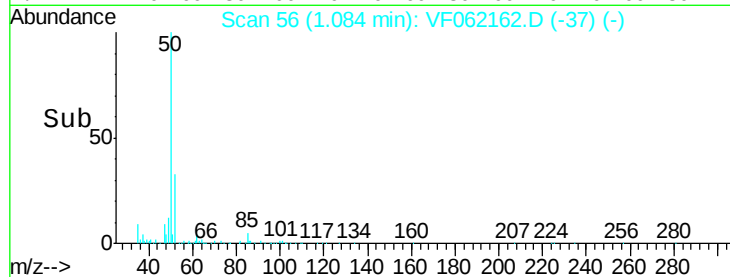
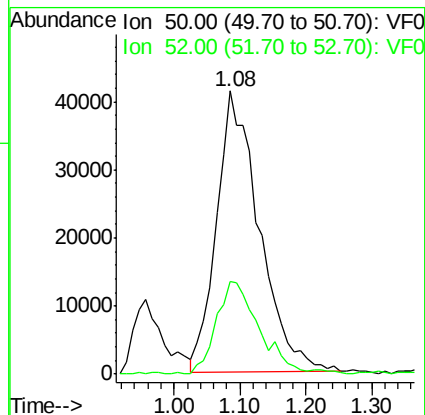
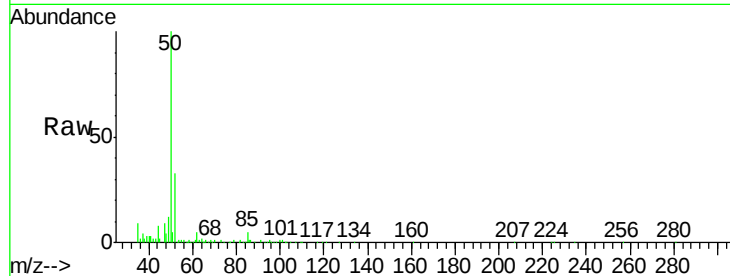
VSTDIC075

Tgt Ion: 50 Resp: 185657

Ion Ratio Lower Upper

50 100

52 32.8 21.4 32.0#



#4

Vinyl Chloride

Concen: 65.418 ug/l

RT: 1.13 min Scan# 61

Delta R.T. 0.00 min

Lab File: VF062162.D

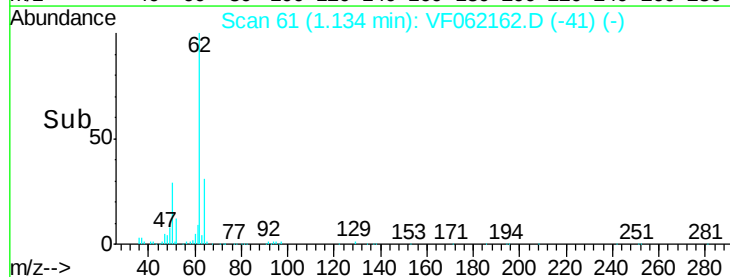
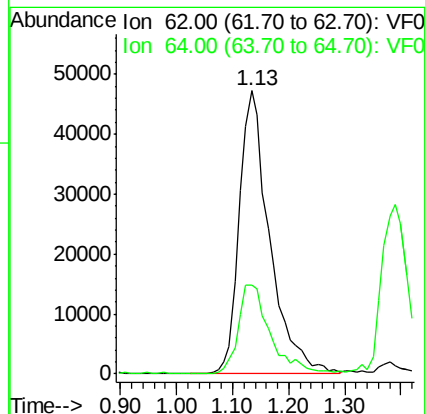
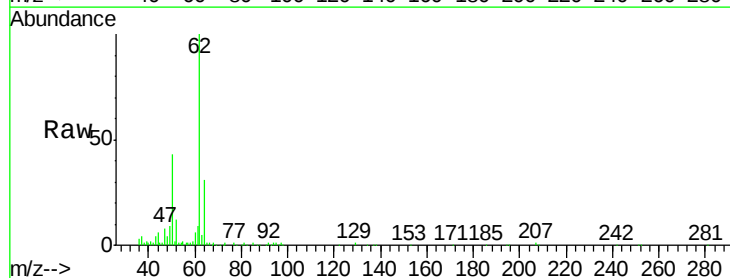
Acq: 4 Apr 2019 17:35

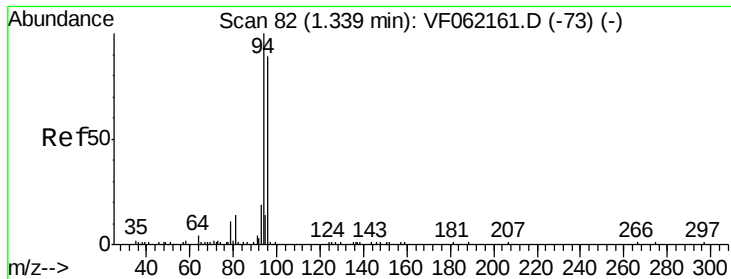
Tgt Ion: 62 Resp: 177901

Ion Ratio Lower Upper

62 100

64 31.4 27.0 40.4





#5

Bromomethane

Concen: 69.731 ug/l

RT: 1.32 min Scan# 80

Delta R.T. -0.02 min

Lab File: VF062162.D

Acq: 4 Apr 2019 17:35

Instrument :

MSVOA_F

ClientSampleId :

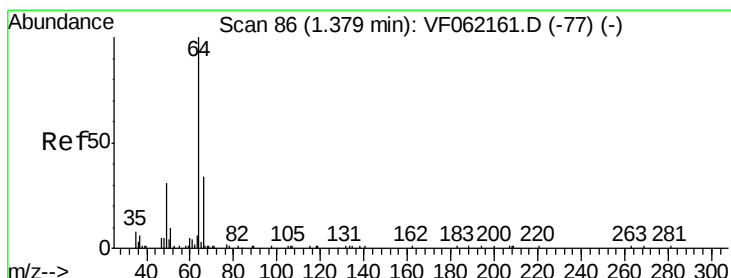
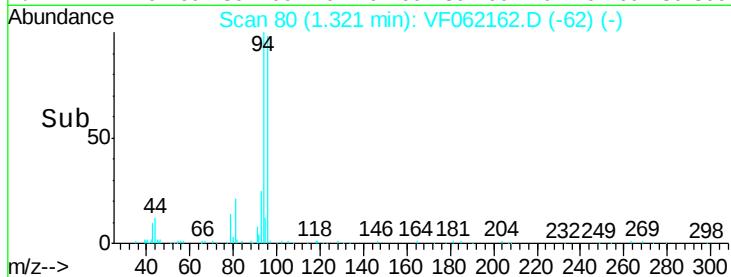
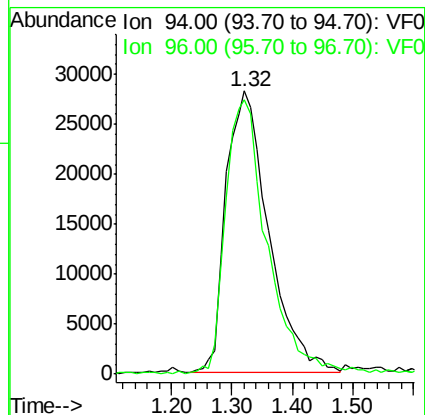
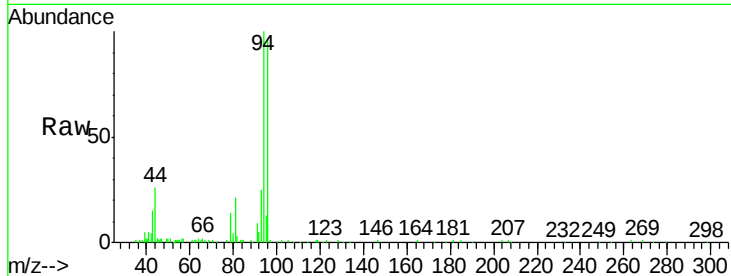
VSTDIC075

Tgt Ion: 94 Resp: 138387

Ion Ratio Lower Upper

94 100

96 96.8 71.3 106.9



#6

Chloroethane

Concen: 65.341 ug/l

RT: 1.39 min Scan# 87

Delta R.T. 0.01 min

Lab File: VF062162.D

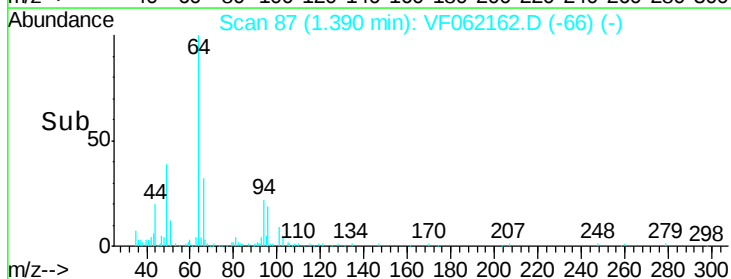
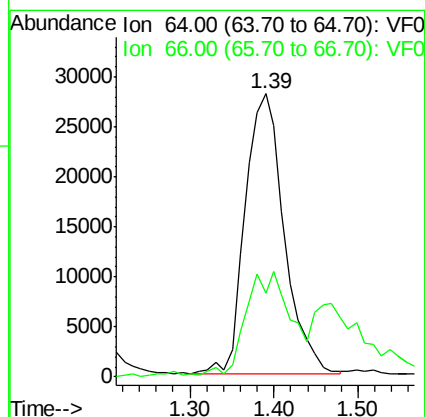
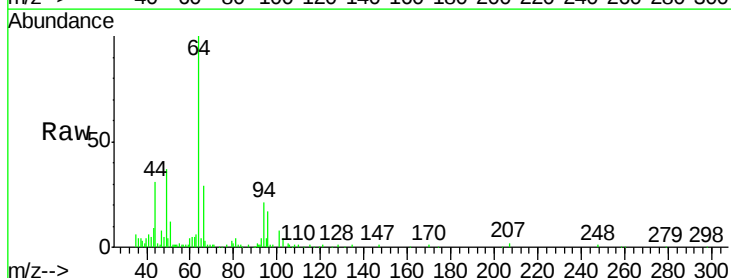
Acq: 4 Apr 2019 17:35

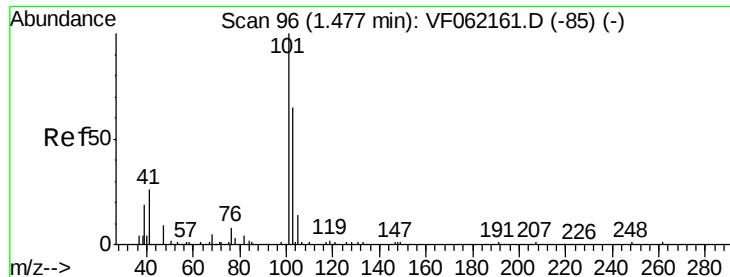
Tgt Ion: 64 Resp: 91117

Ion Ratio Lower Upper

64 100

66 29.4 27.8 41.6



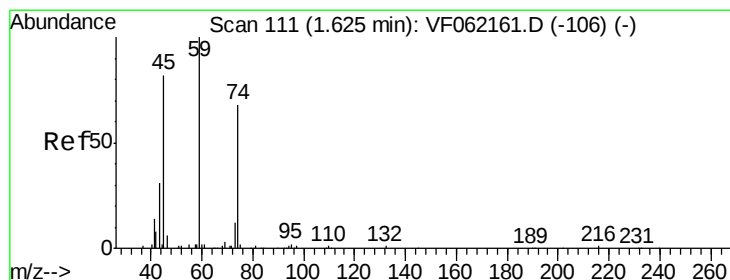
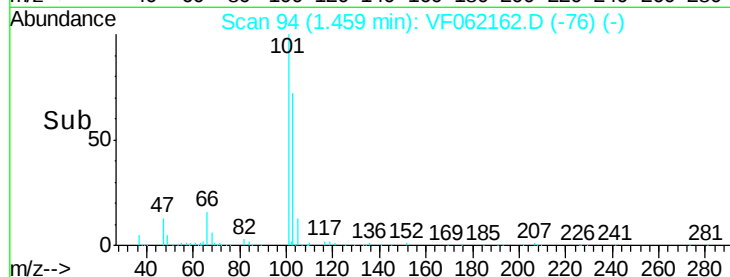
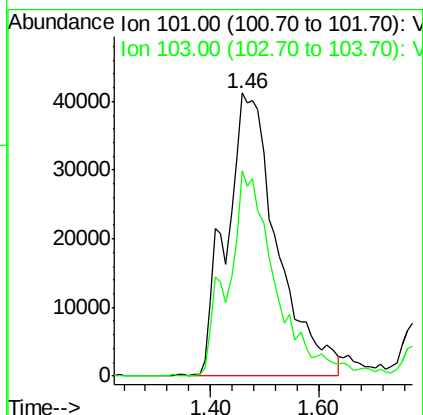
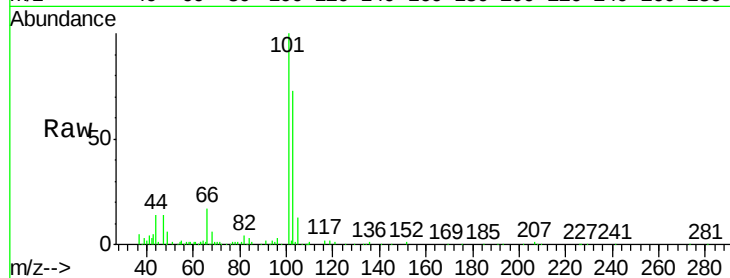


#7

Trichlorofluoromethane
 Concen: 79.975 ug/l
 RT: 1.46 min Scan# 94
 Delta R.T. -0.02 min
 Lab File: VF062162.D
 Acq: 4 Apr 2019 17:35

Instrument :
 MSVOA_F
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 VSTDIC075

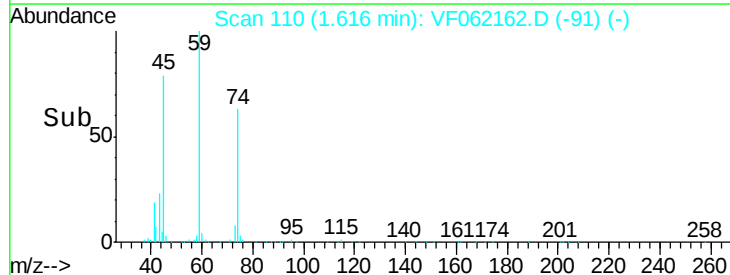
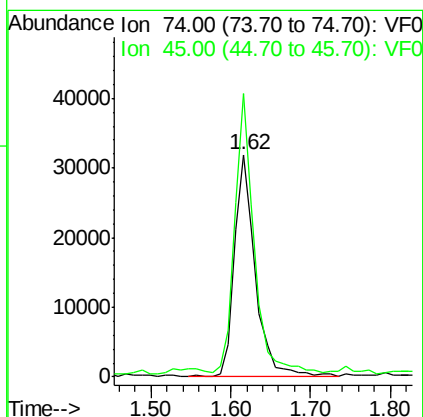
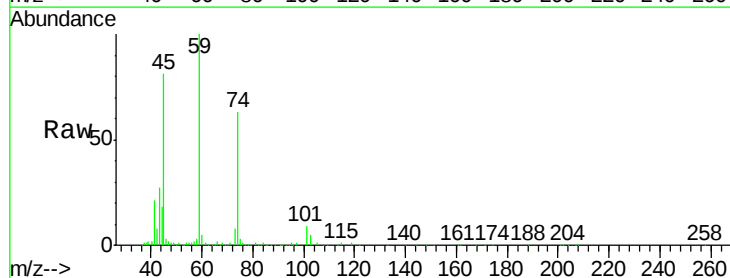
Tgt Ion: 101 Resp: 271659
 Ion Ratio Lower Upper
 101 100
 103 72.8 52.0 78.0

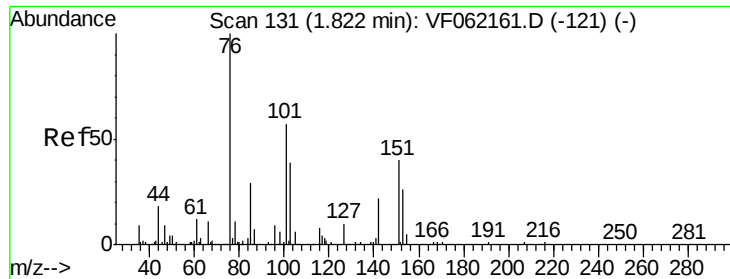


#8

Diethyl Ether
 Concen: 78.260 ug/l
 RT: 1.62 min Scan# 110
 Delta R.T. -0.01 min
 Lab File: VF062162.D
 Acq: 4 Apr 2019 17:35

Tgt Ion: 74 Resp: 59014
 Ion Ratio Lower Upper
 74 100
 45 127.2 61.9 185.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 73.952 ug/l

RT: 1.82 min Scan# 131

Delta R.T. 0.00 min

Lab File: VF062162.D

Acq: 4 Apr 2019 17:35

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

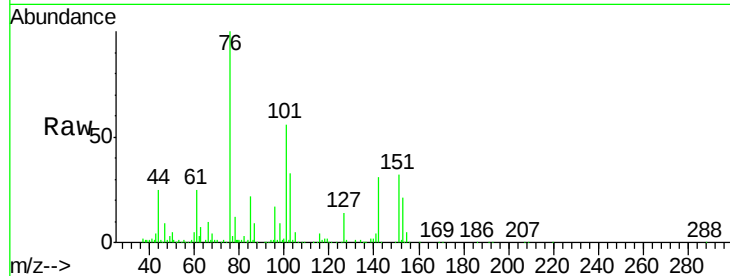
Tgt Ion:101 Resp: 166857

Ion Ratio Lower Upper

101 100

85 39.8 41.0 61.6#

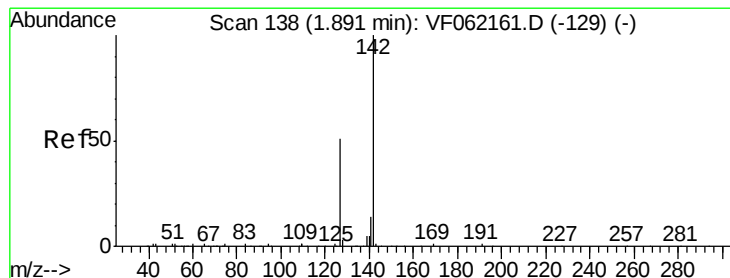
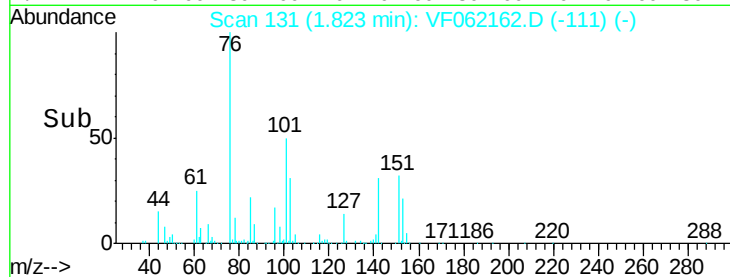
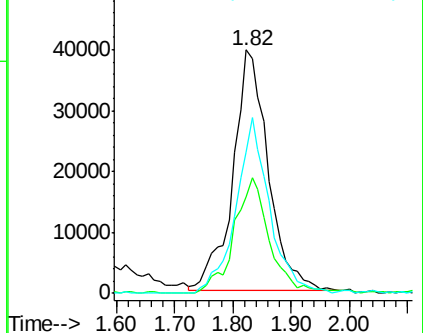
151 57.9 56.5 84.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 54.511 ug/l

RT: 1.89 min Scan# 138

Delta R.T. 0.00 min

Lab File: VF062162.D

Acq: 4 Apr 2019 17:35

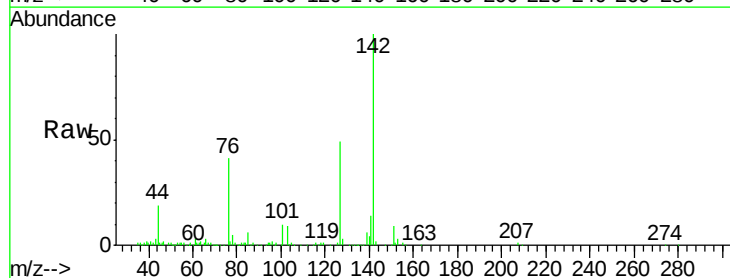
Tgt Ion:142 Resp: 233009

Ion Ratio Lower Upper

142 100

127 49.0 40.7 61.1

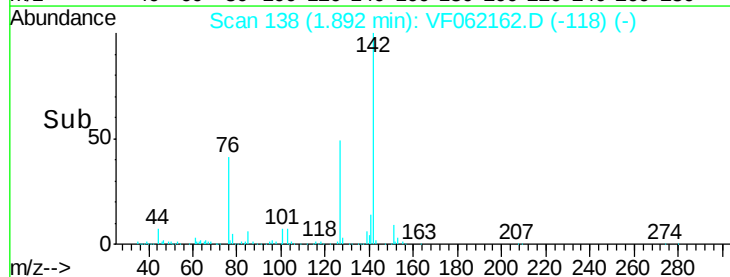
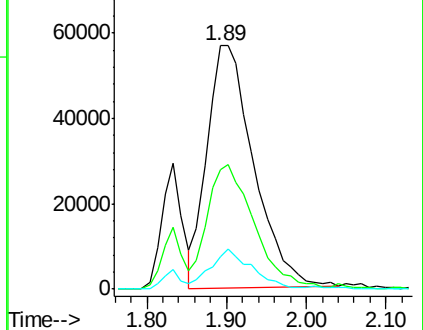
141 13.6 11.1 16.7

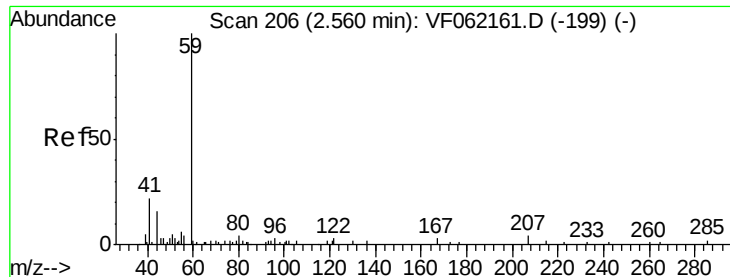


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



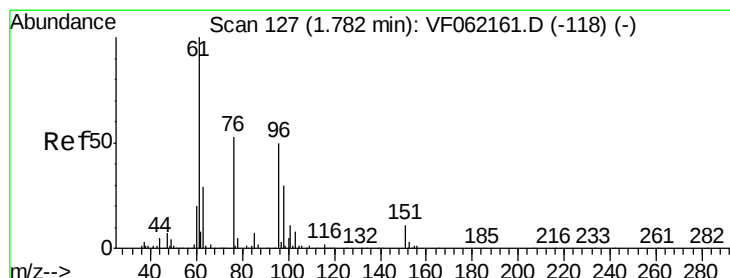
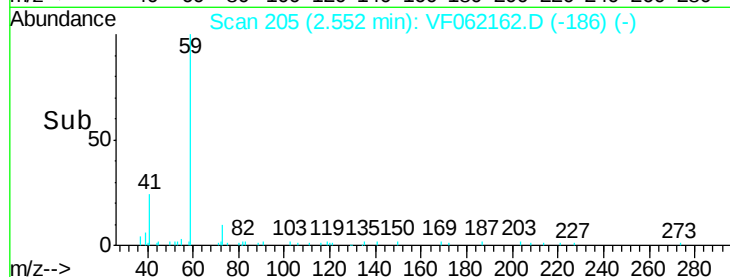
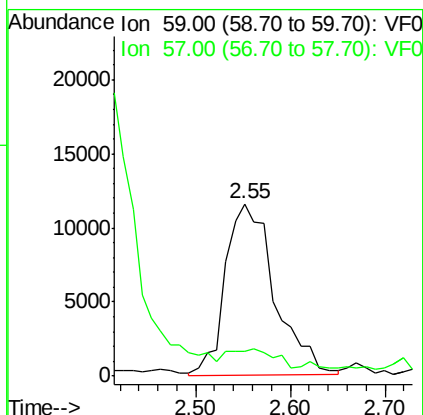
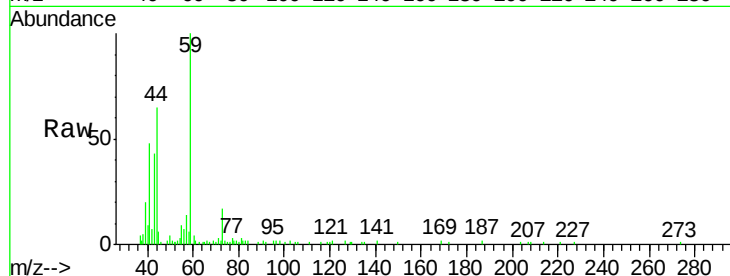


#11

Tert butyl alcohol
Concen: 444.207 ug/l
RT: 2.55 min Scan# 205
Delta R.T. -0.01 min
Lab File: VF062162.D
Acq: 4 Apr 2019 17:35

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

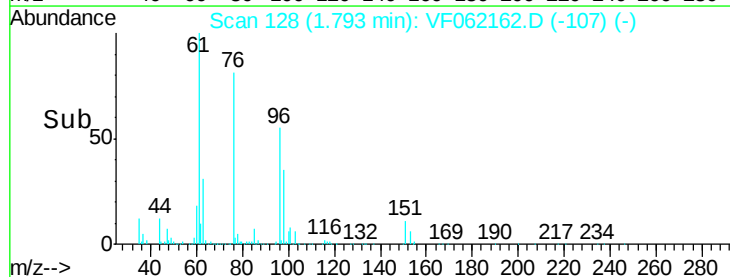
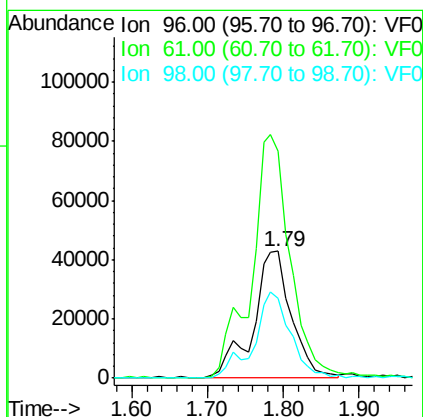
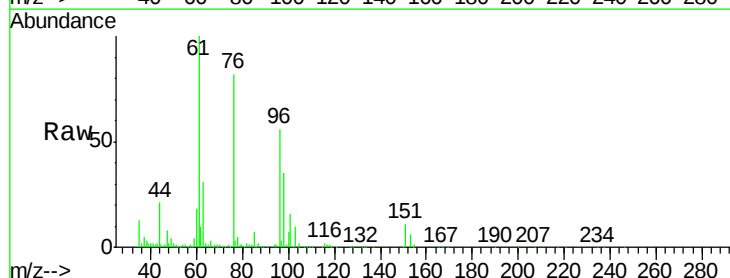
Tgt Ion: 59 Resp: 41684
Ion Ratio Lower Upper
59 100
57 14.4 9.5 14.3#

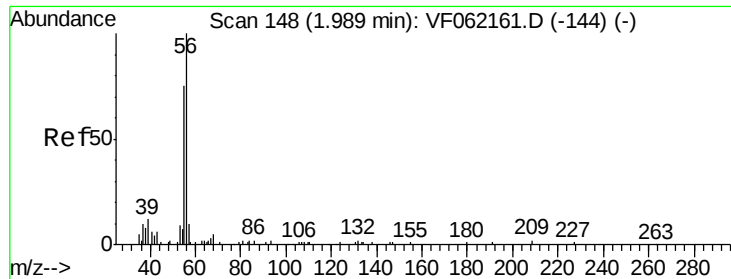


#12

1,1-Dichloroethene
Concen: 70.165 ug/l
RT: 1.79 min Scan# 128
Delta R.T. 0.01 min
Lab File: VF062162.D
Acq: 4 Apr 2019 17:35

Tgt Ion: 96 Resp: 149950
Ion Ratio Lower Upper
96 100
61 178.9 161.8 242.6
98 63.0 49.2 73.8

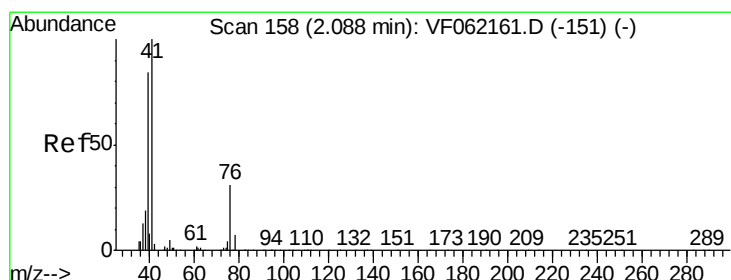
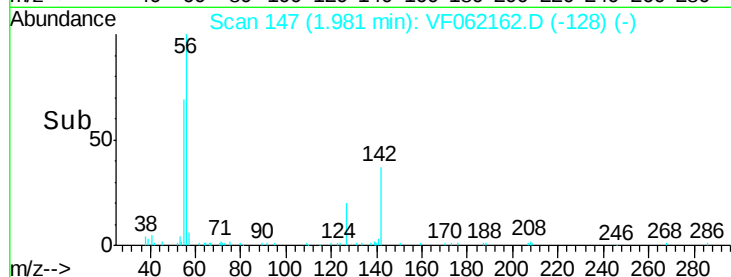
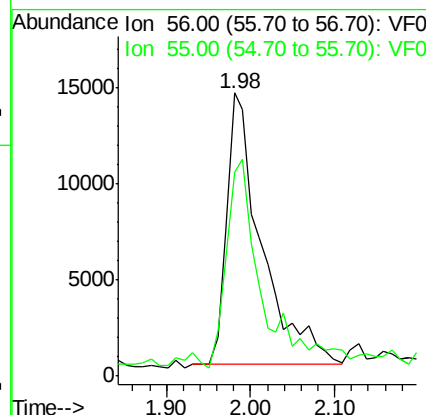
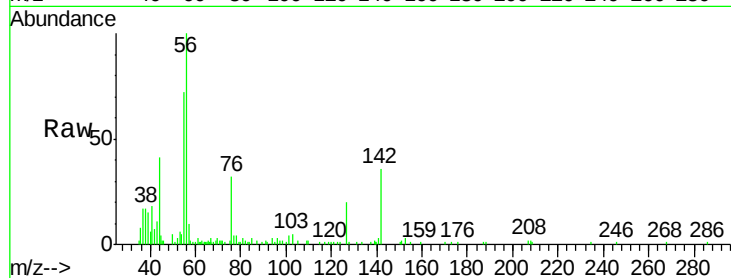




#13
Acrolein
Concen: 367.021 ug/l
RT: 1.98 min Scan# 147
Delta R.T. -0.01 min
Lab File: VF062162.D
Acq: 4 Apr 2019 17:35

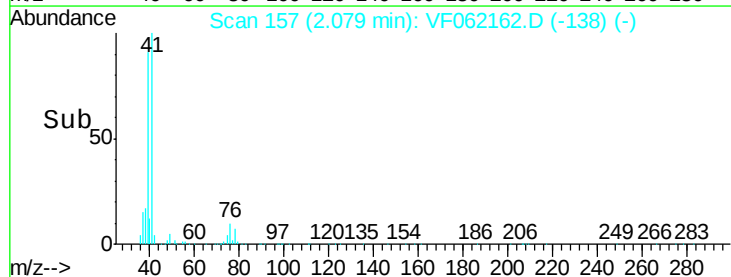
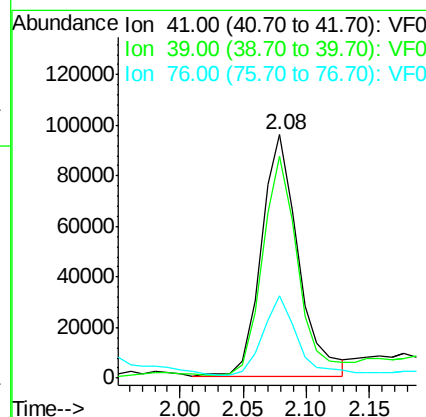
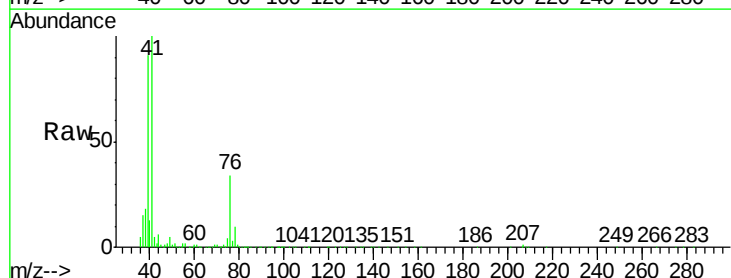
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

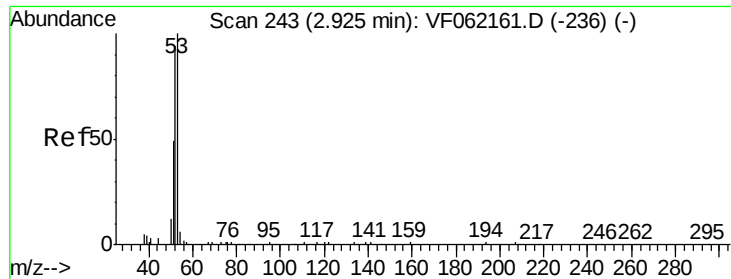
Tgt Ion: 56 Resp: 40641
Ion Ratio Lower Upper
56 100
55 72.2 63.5 95.3



#14
Allyl chloride
Concen: 81.505 ug/l
RT: 2.08 min Scan# 157
Delta R.T. -0.01 min
Lab File: VF062162.D
Acq: 4 Apr 2019 17:35

Tgt Ion: 41 Resp: 194575
Ion Ratio Lower Upper
41 100
39 91.0 67.6 101.4
76 33.9 25.7 38.5





#15

Acrylonitrile

Concen: 361.006 ug/l

RT: 2.92 min Scan# 242

Delta R.T. -0.01 min

Lab File: VF062162.D

Acq: 4 Apr 2019 17:35

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

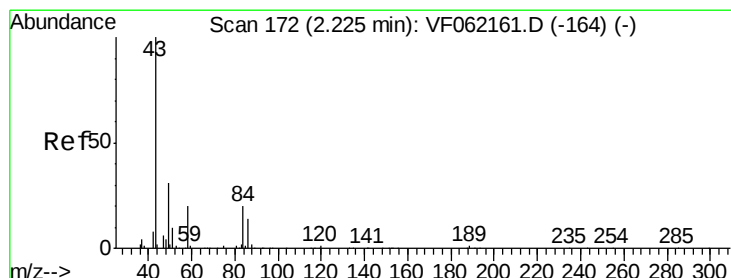
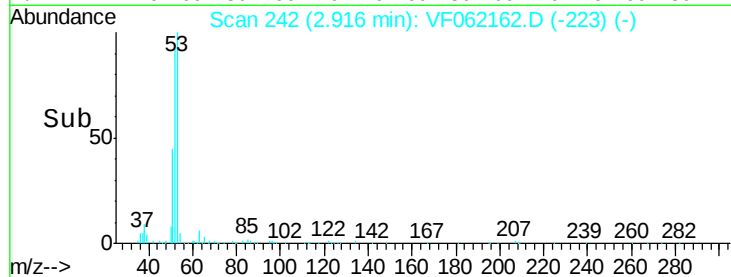
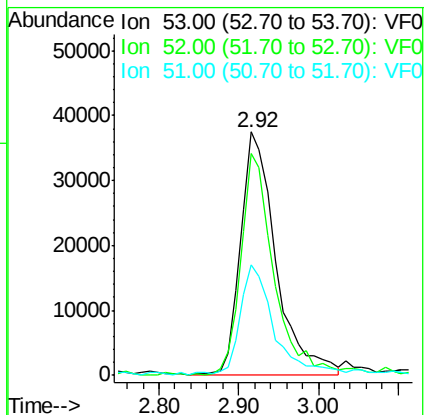
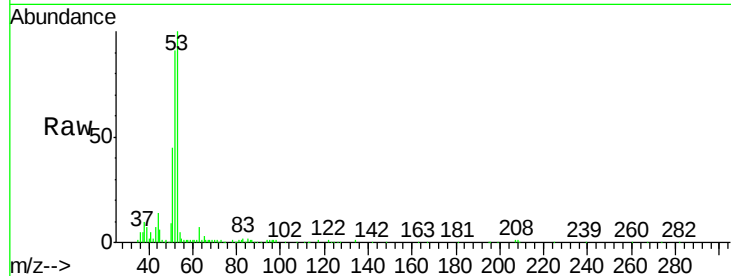
Tgt Ion: 53 Resp: 115389

Ion Ratio Lower Upper

53 100

52 91.0 75.5 113.3

51 45.2 39.7 59.5



#16

Acetone

Concen: 507.147 ug/l

RT: 2.22 min Scan# 171

Delta R.T. -0.01 min

Lab File: VF062162.D

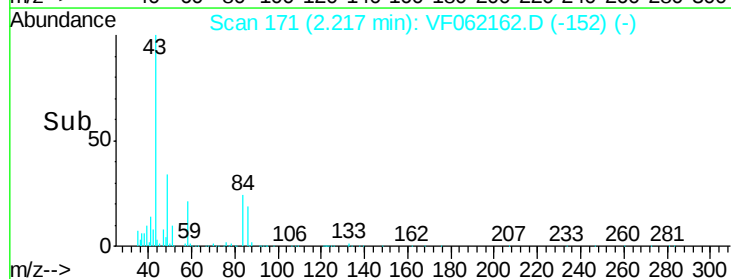
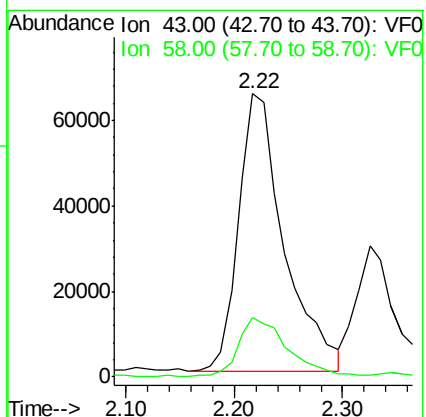
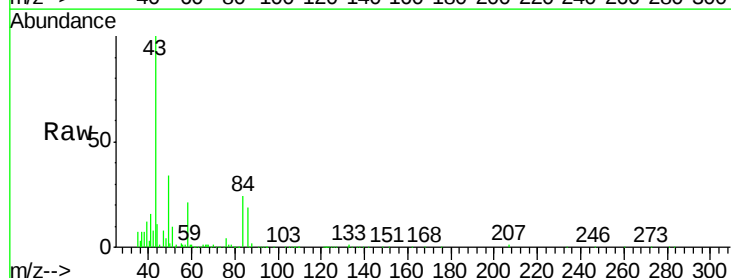
Acq: 4 Apr 2019 17:35

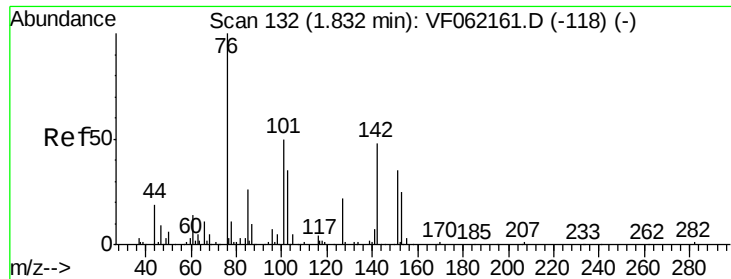
Tgt Ion: 43 Resp: 190222

Ion Ratio Lower Upper

43 100

58 20.8 15.7 23.5





#17

Carbon Disulfide

Concen: 62.287 ug/l

RT: 1.82 min Scan# 131

Delta R.T. -0.01 min

Lab File: VF062162.D

Acq: 4 Apr 2019 17:35

Instrument :

MSVOA_F

ClientSampleId :

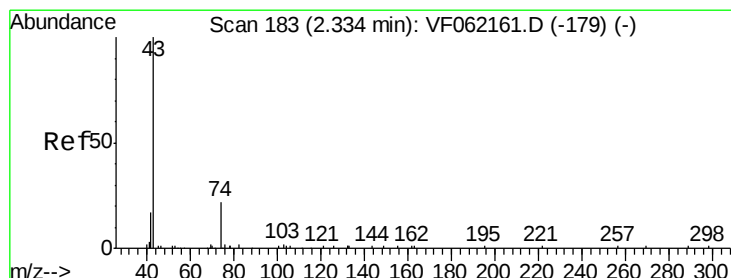
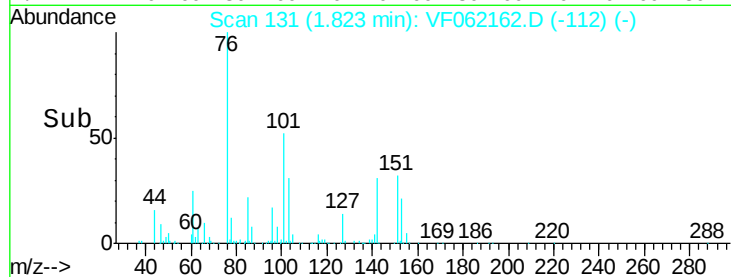
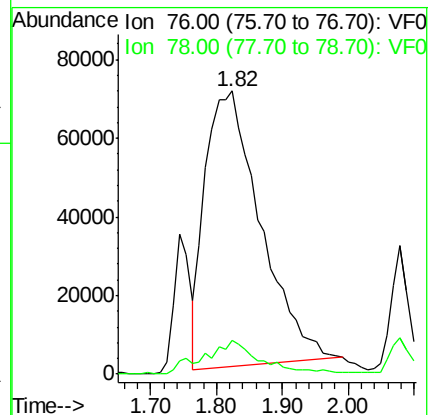
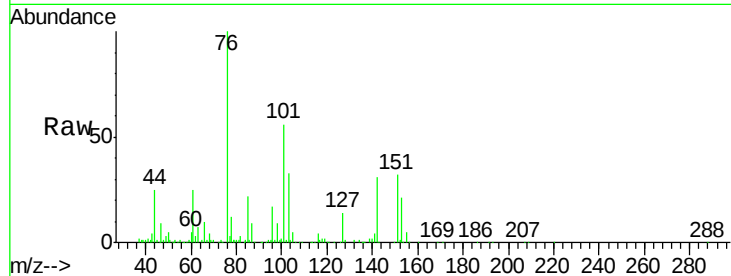
VSTDIC075

Tgt Ion: 76 Resp: 407184

Ion Ratio Lower Upper

76 100

78 12.0 8.6 13.0



#18

Methyl Acetate

Concen: 75.447 ug/l

RT: 2.33 min Scan# 182

Delta R.T. -0.01 min

Lab File: VF062162.D

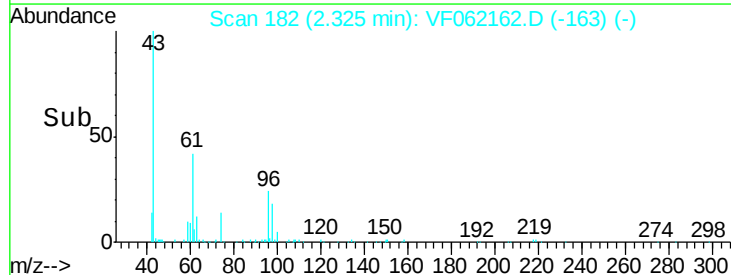
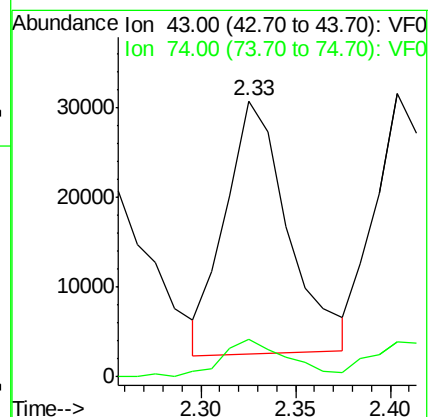
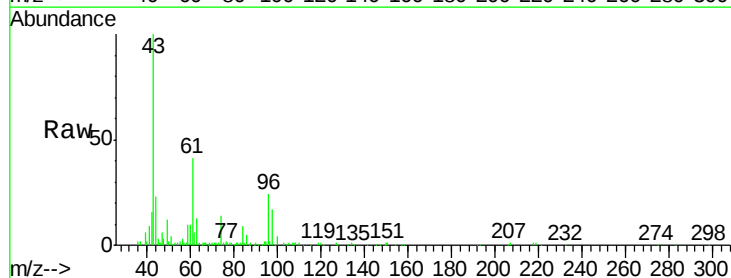
Acq: 4 Apr 2019 17:35

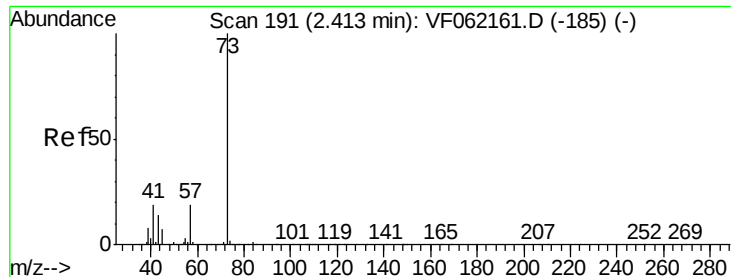
Tgt Ion: 43 Resp: 65139

Ion Ratio Lower Upper

43 100

74 13.6 14.3 21.5#

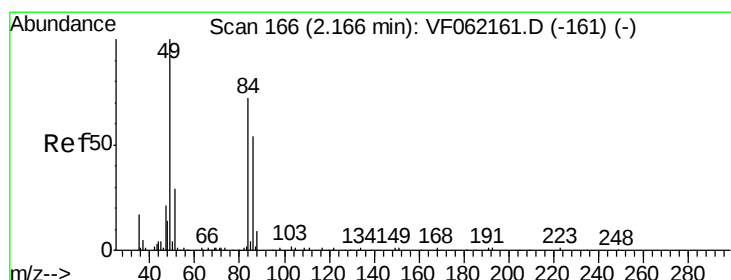
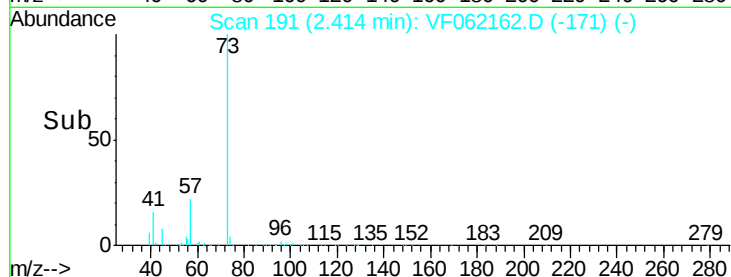
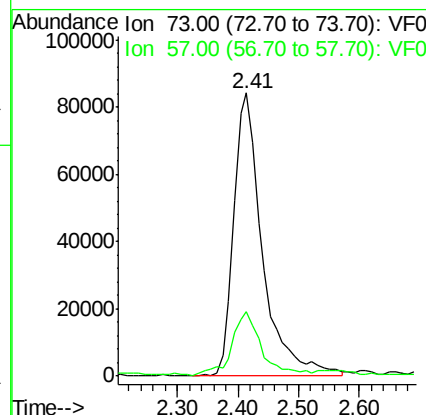
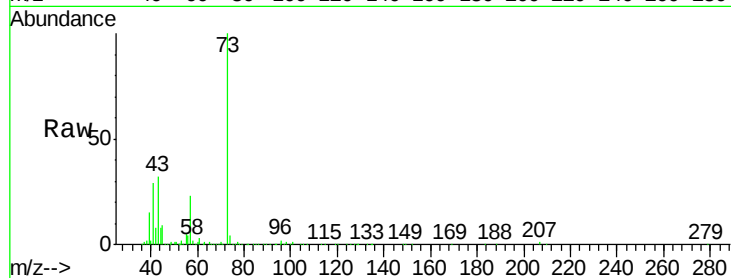




#19
Methyl tert-butyl Ether
Concen: 78.802 ug/l
RT: 2.41 min Scan# 191
Delta R.T. 0.00 min
Lab File: VF062162.D
Acq: 4 Apr 2019 17:35

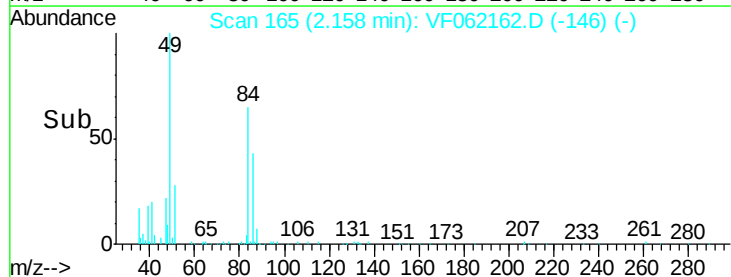
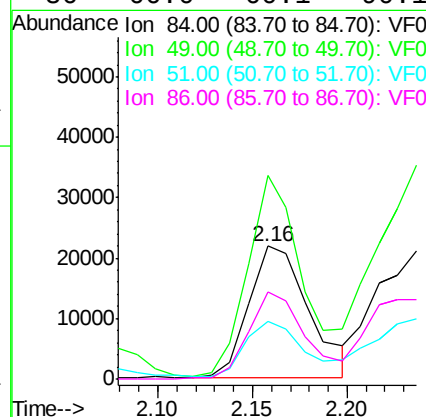
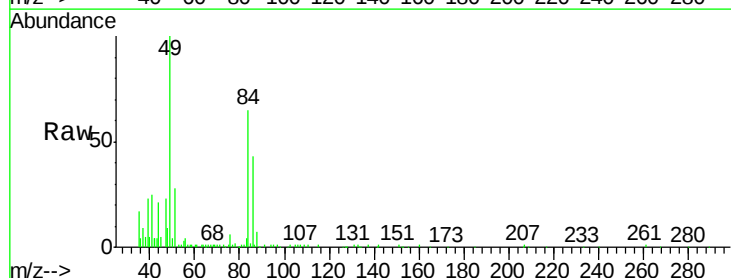
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

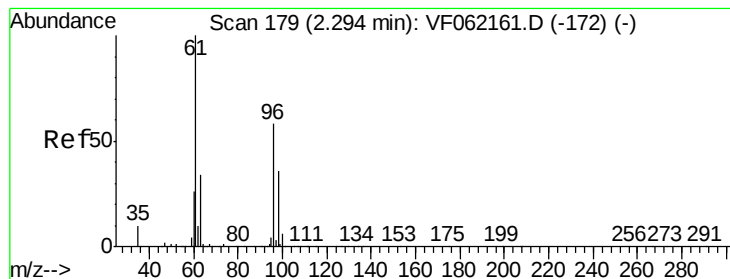
Tgt Ion: 73 Resp: 275023
Ion Ratio Lower Upper
73 100
57 22.7 17.4 26.0



#20
Methylene Chloride
Concen: 19.890 ug/l
RT: 2.16 min Scan# 165
Delta R.T. -0.01 min
Lab File: VF062162.D
Acq: 4 Apr 2019 17:35

Tgt Ion: 84 Resp: 48195
Ion Ratio Lower Upper
84 100
49 153.2 112.6 168.8
51 43.0 33.4 50.2
86 66.0 60.1 90.1





#21

trans-1,2-Dichloroethene

Concen: 64.488 ug/l

RT: 2.29 min Scan# 178

Delta R.T. -0.01 min

Lab File: VF062162.D

Acq: 4 Apr 2019 17:35

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

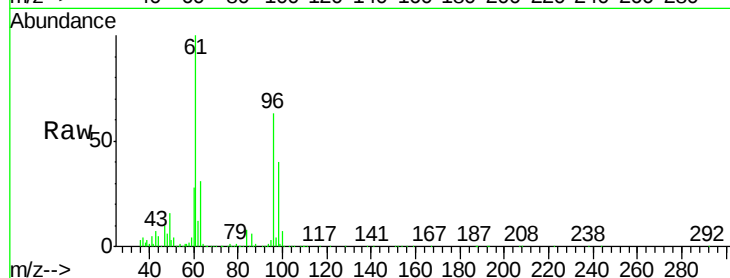
Tgt Ion: 96 Resp: 133723

Ion Ratio Lower Upper

96 100

61 157.7 137.4 206.0

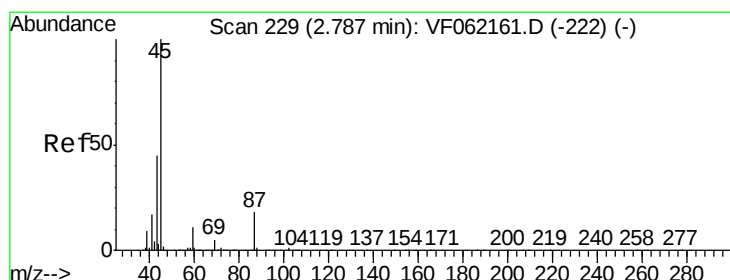
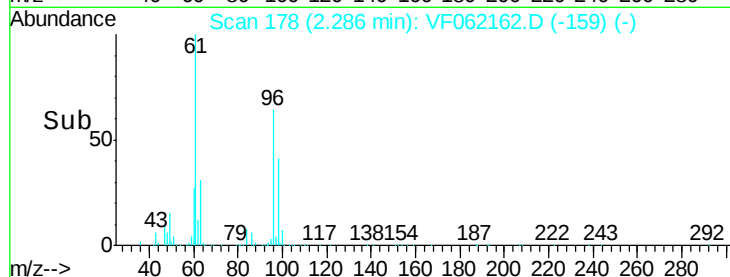
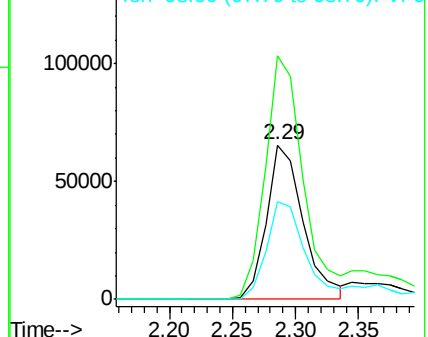
98 63.5 49.4 74.0



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#22

Diisopropyl ether

Concen: 78.909 ug/l

RT: 2.78 min Scan# 228

Delta R.T. -0.01 min

Lab File: VF062162.D

Acq: 4 Apr 2019 17:35

Tgt Ion: 45 Resp: 483704

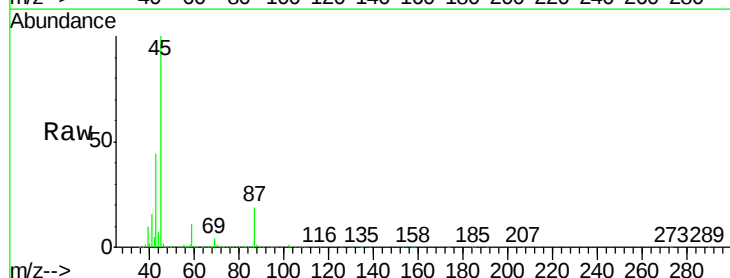
Ion Ratio Lower Upper

45 100

43 44.2 37.4 56.2

87 18.7 14.3 21.5

59 11.1 8.7 13.1

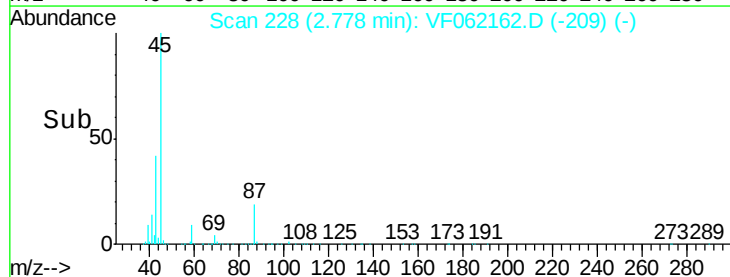
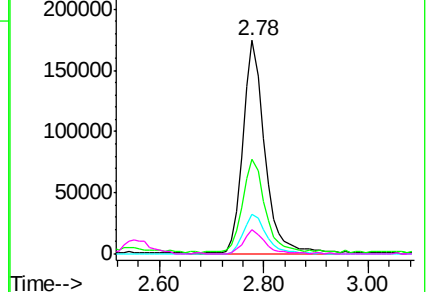


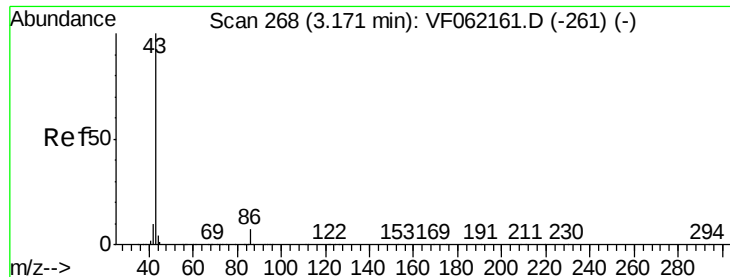
Abundance Ion 45.00 (44.70 to 45.70): VF0

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: 458.027 ug/l

RT: 3.16 min Scan# 267

Delta R.T. -0.01 min

Lab File: VF062162.D

Acq: 4 Apr 2019 17:35

Instrument :

MSVOA_F

ClientSampleId :

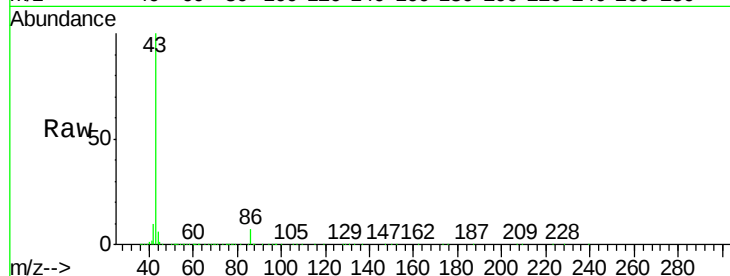
VSTDIC075

Tgt Ion: 43 Resp: 1172603

Ion Ratio Lower Upper

43 100

86 6.5 5.7 8.5



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.16

400000

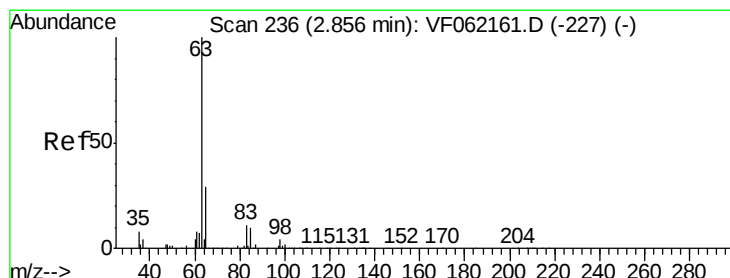
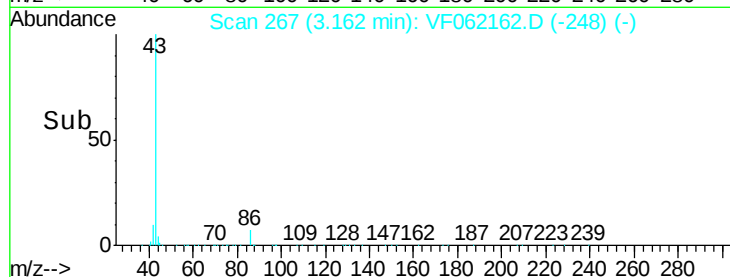
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 76.972 ug/l

RT: 2.85 min Scan# 235

Delta R.T. -0.01 min

Lab File: VF062162.D

Acq: 4 Apr 2019 17:35

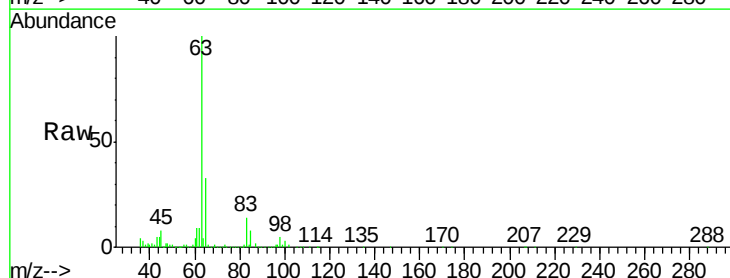
Tgt Ion: 63 Resp: 282621

Ion Ratio Lower Upper

63 100

98 4.6 2.0 6.0

100 2.7 1.0 3.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

2.85

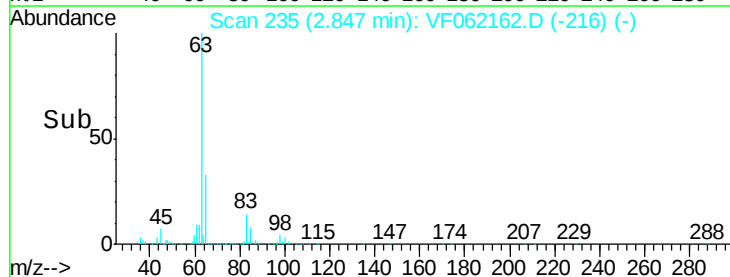
150000

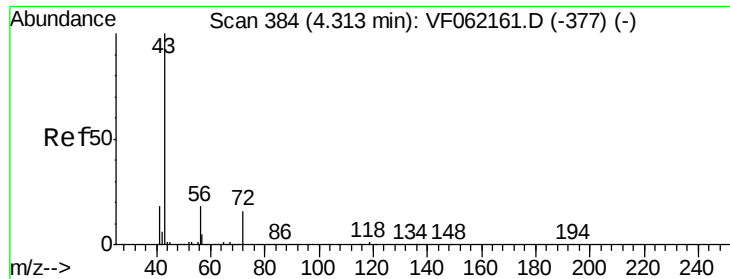
100000

50000

0

Time-->





#25

2-Butanone

Concen: 439.584 ug/l

RT: 4.30 min Scan# 383

Delta R.T. -0.01 min

Lab File: VF062162.D

Acq: 4 Apr 2019 17:35

Instrument :

MSVOA_F

ClientSampleId :

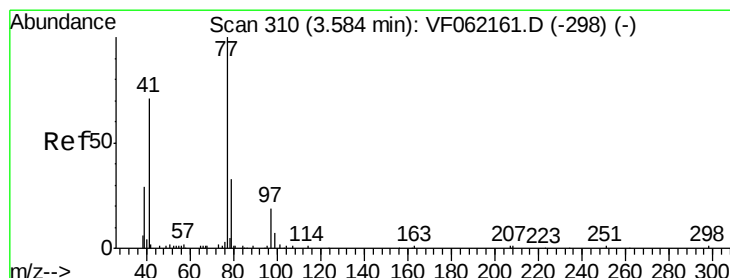
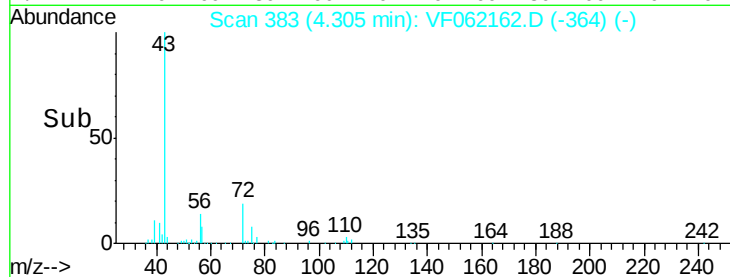
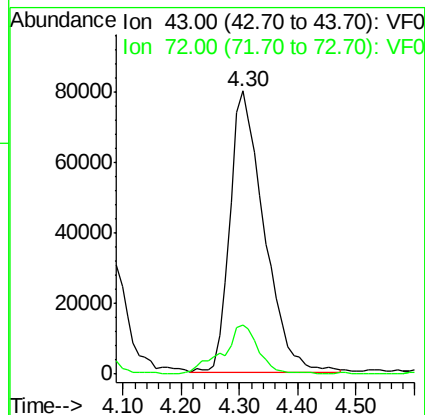
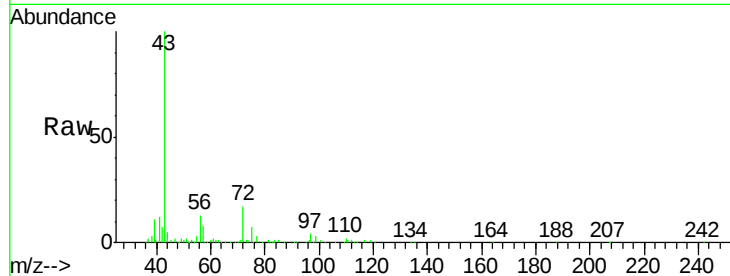
VSTDIC075

Tgt Ion: 43 Resp: 325998

Ion Ratio Lower Upper

43 100

72 17.3 16.4 24.6



#26

2,2-Dichloropropane

Concen: 88.090 ug/l

RT: 3.57 min Scan# 308

Delta R.T. -0.02 min

Lab File: VF062162.D

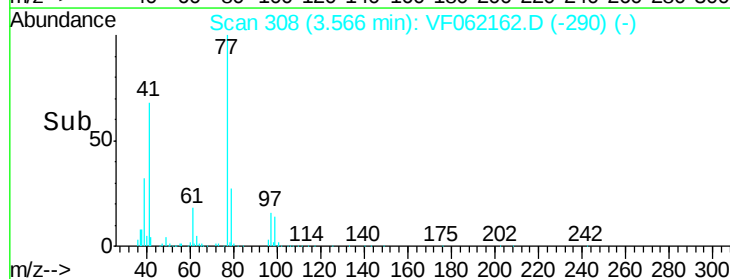
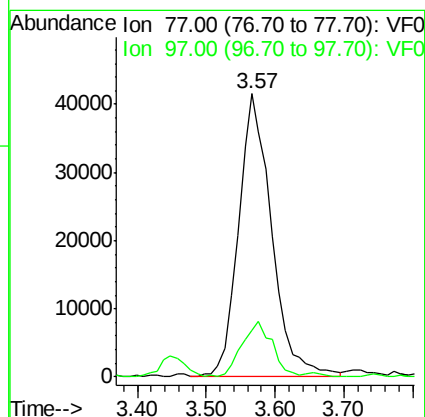
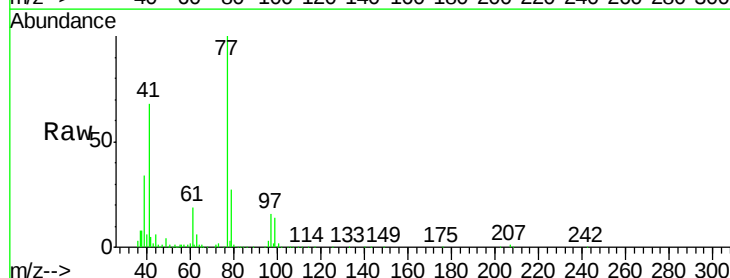
Acq: 4 Apr 2019 17:35

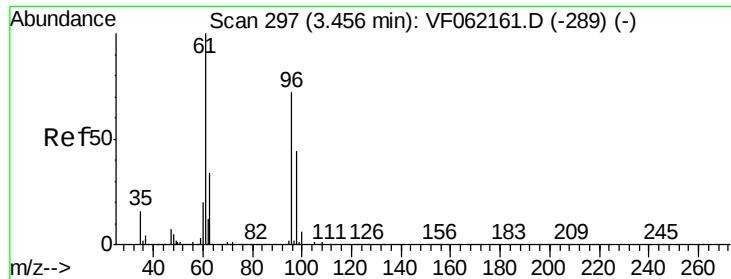
Tgt Ion: 77 Resp: 137055

Ion Ratio Lower Upper

77 100

97 16.3 11.4 34.2



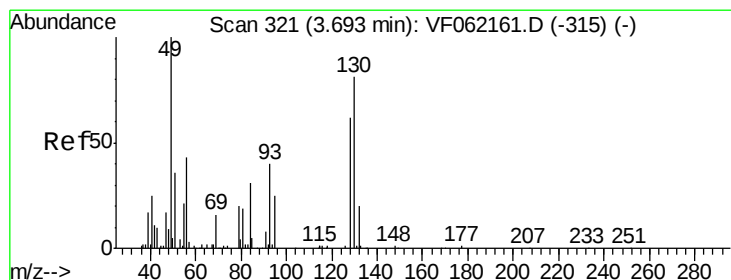
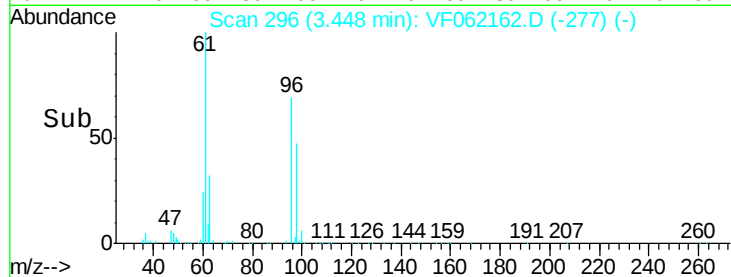
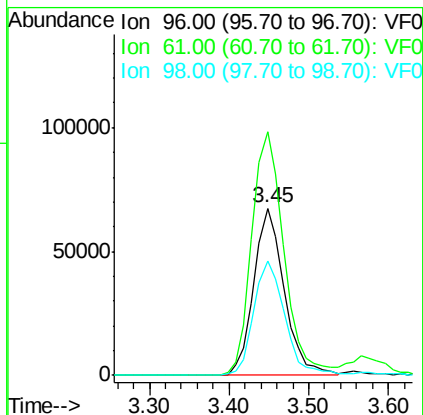
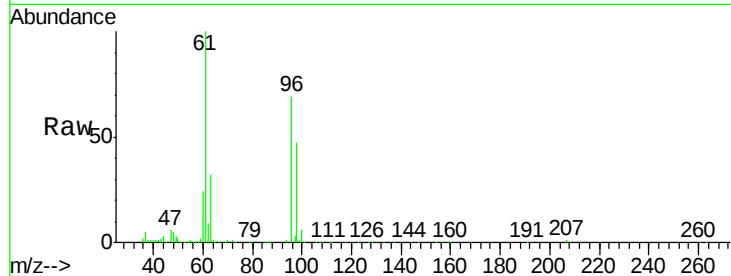


#27

cis-1,2-Dichloroethene
 Concen: 64.666 ug/l
 RT: 3.45 min Scan# 296
 Delta R.T. -0.01 min
 Lab File: VF062162.D
 Acq: 4 Apr 2019 17:35

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

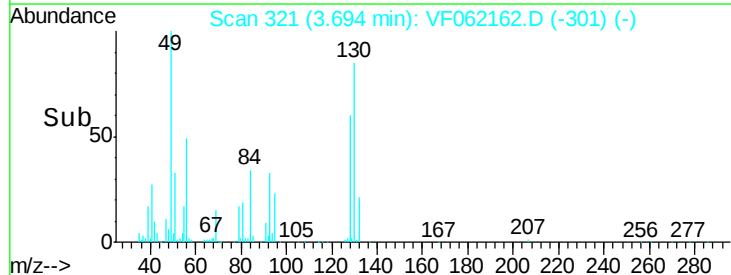
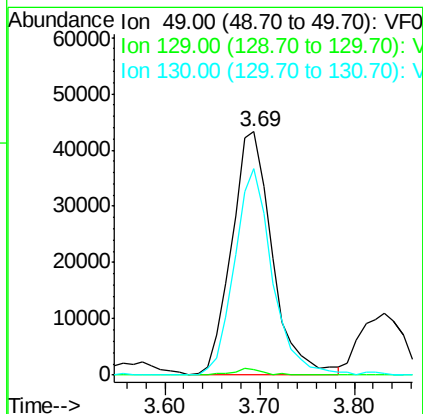
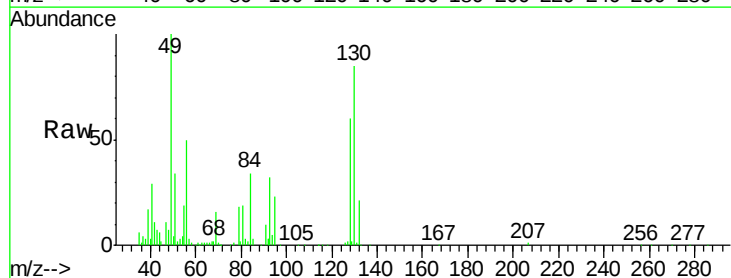
Tgt Ion	Ratio	Lower	Upper
96	100		
61	145.6	0.0	278.2
98	68.0	0.0	122.2

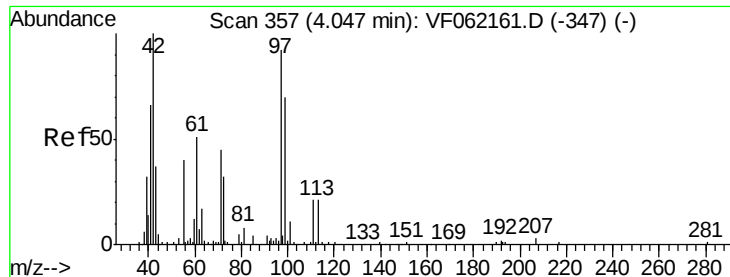


#28

Bromochloromethane
 Concen: 82.519 ug/l
 RT: 3.69 min Scan# 321
 Delta R.T. 0.00 min
 Lab File: VF062162.D
 Acq: 4 Apr 2019 17:35

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	0.0#
130	85.0	65.0	97.4

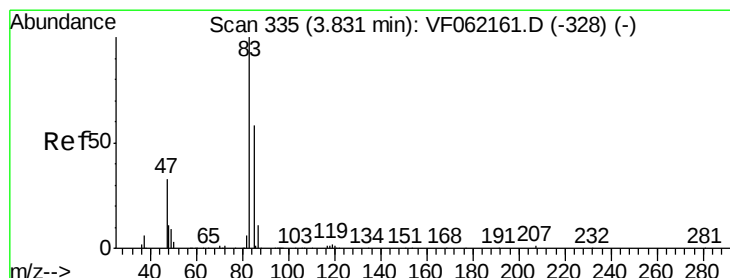
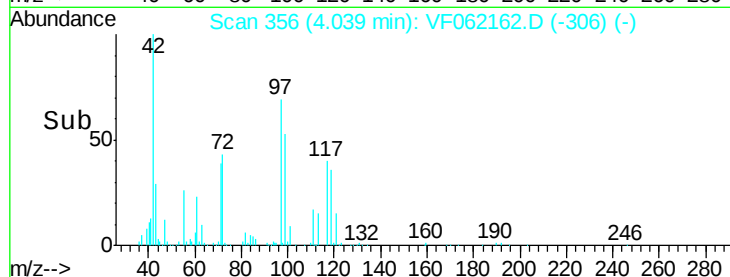
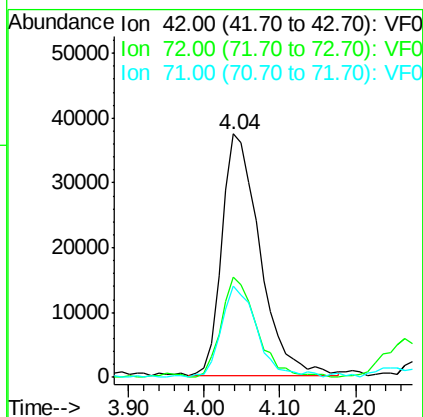
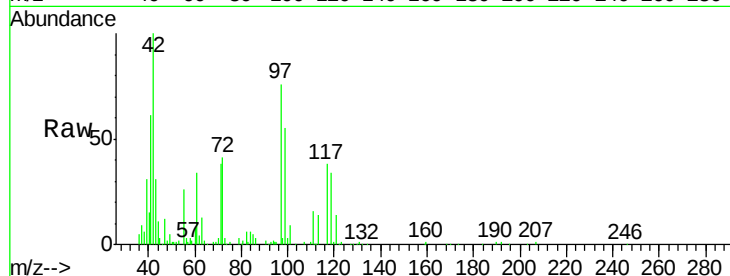




#29
Tetrahydrofuran
Concen: 404.859 ug/l
RT: 4.04 min Scan# 356
Delta R.T. -0.01 min
Lab File: VF062162.D
Acq: 4 Apr 2019 17:35

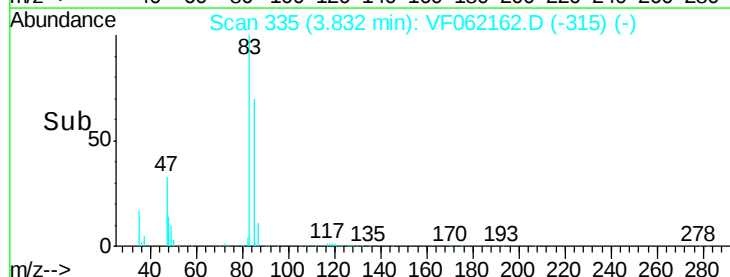
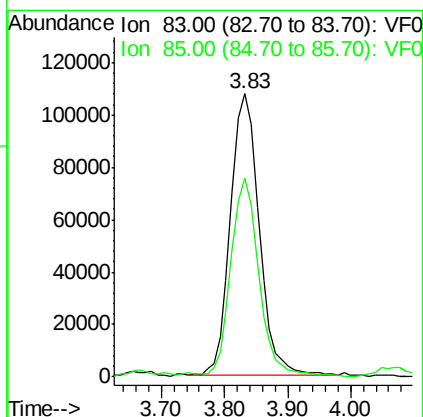
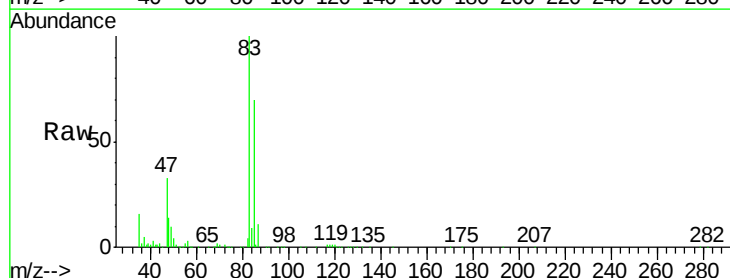
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

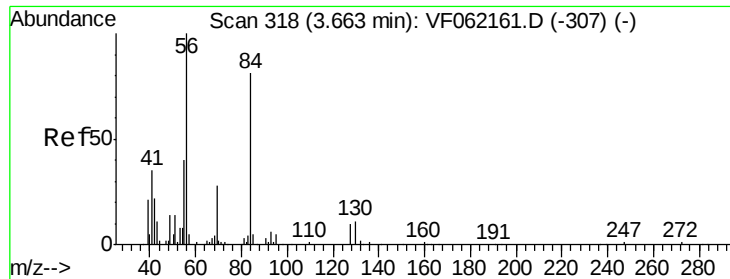
Tgt Ion: 42 Resp: 130091
Ion Ratio Lower Upper
42 100
72 38.0 30.9 46.3
71 35.8 32.0 48.0



#30
Chloroform
Concen: 85.014 ug/l
RT: 3.83 min Scan# 335
Delta R.T. 0.00 min
Lab File: VF062162.D
Acq: 4 Apr 2019 17:35

Tgt Ion: 83 Resp: 336834
Ion Ratio Lower Upper
83 100
85 70.5 46.9 70.3#





#31

Cyclohexane

Concen: 41.851 ug/l

RT: 3.65 min Scan# 317

Delta R.T. -0.01 min

Lab File: VF062162.D

Acq: 4 Apr 2019 17:35

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

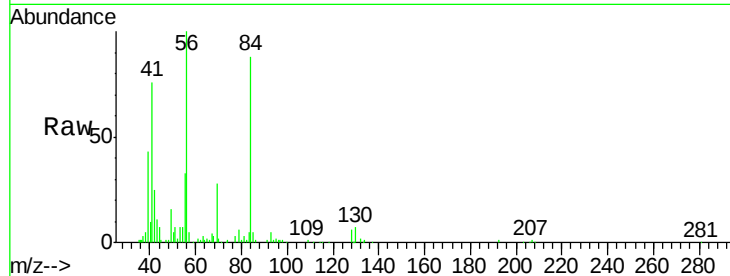
Tgt Ion: 56 Resp: 157168

Ion Ratio Lower Upper

56 100

69 27.8 23.0 34.4

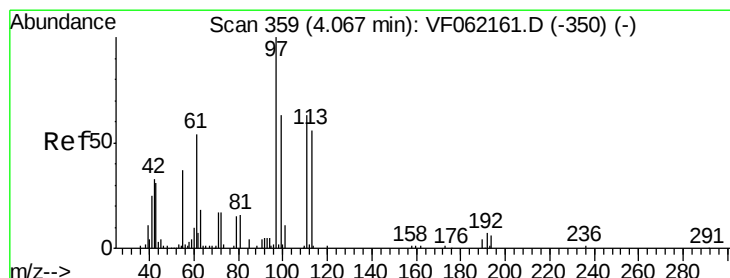
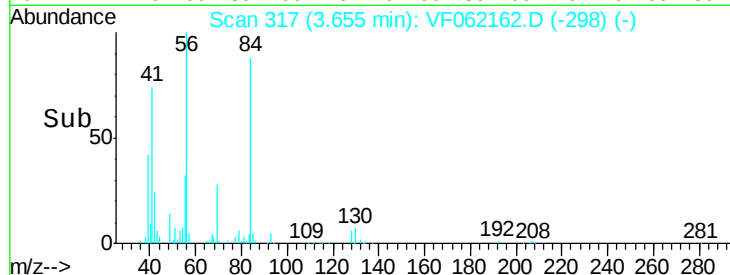
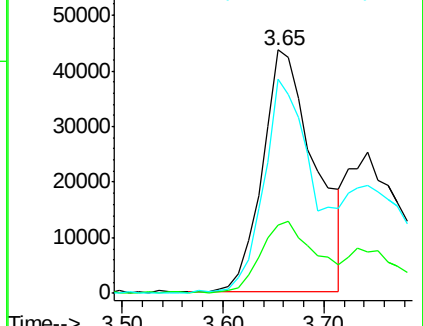
84 87.7 64.4 96.6



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 84.00 (83.70 to 84.70): VF0



#32

1,1,1-Trichloroethane

Concen: 83.920 ug/l

RT: 4.07 min Scan# 359

Delta R.T. 0.00 min

Lab File: VF062162.D

Acq: 4 Apr 2019 17:35

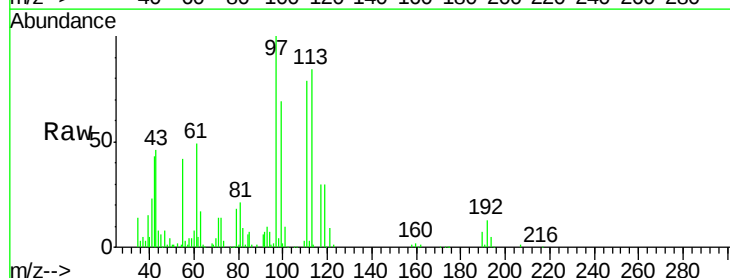
Tgt Ion: 97 Resp: 212743

Ion Ratio Lower Upper

97 100

99 69.2 50.2 75.2

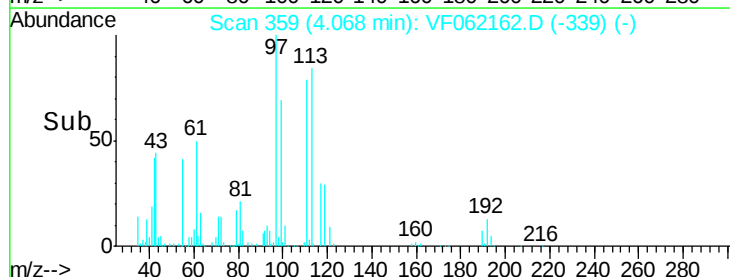
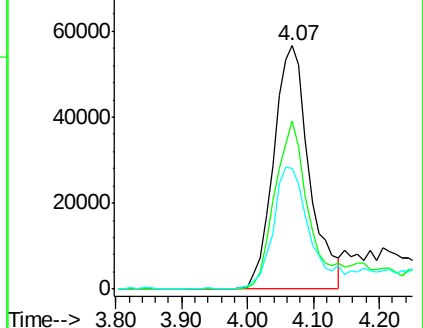
61 49.4 43.5 65.3

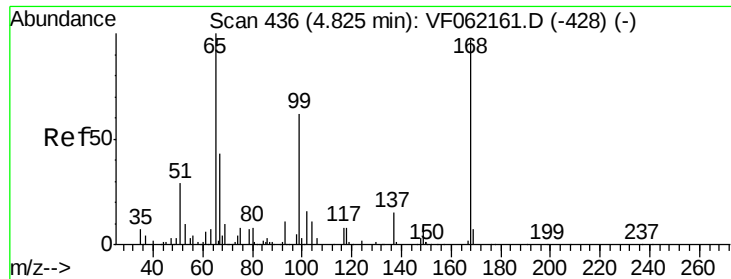


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#33

1,2-Dichloroethane-d4

Concen: 105.898 ug/l

RT: 4.82 min Scan# 435

Delta R.T. -0.01 min

Lab File: VF062162.D

Acq: 4 Apr 2019 17:35

Instrument :

MSVOA_F

ClientSampleId :

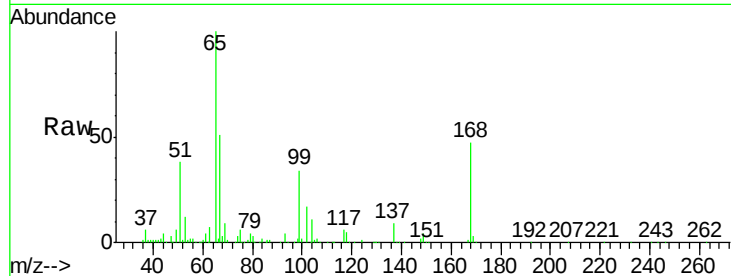
VSTDIC075

Tgt Ion: 65 Resp: 193532

Ion Ratio Lower Upper

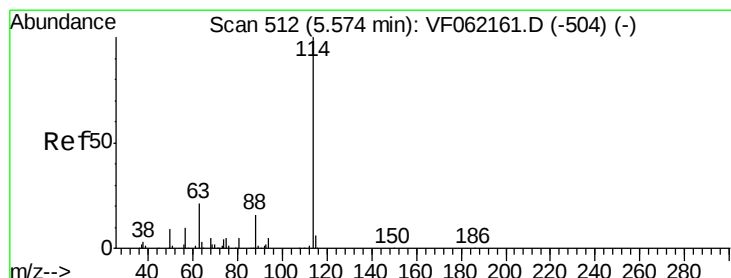
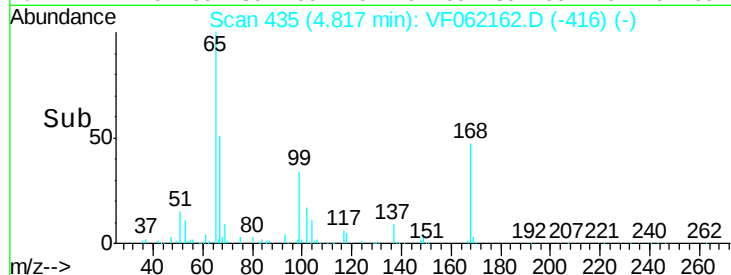
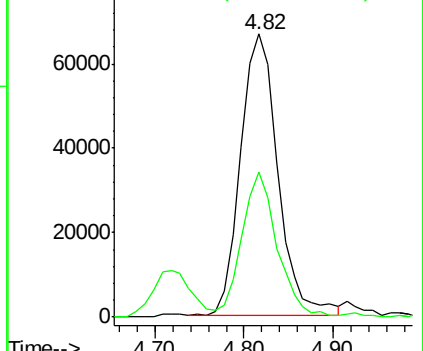
65 100

67 51.4 0.0 96.0



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.57 min Scan# 511

Delta R.T. -0.01 min

Lab File: VF062162.D

Acq: 4 Apr 2019 17:35

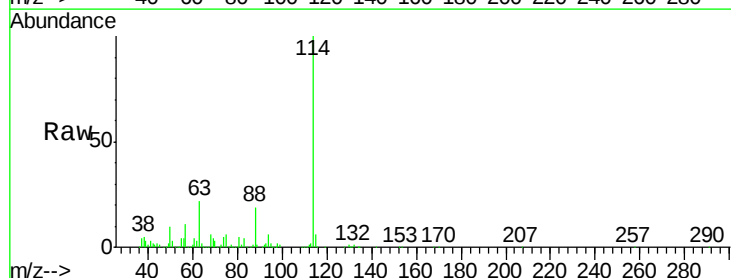
Tgt Ion: 114 Resp: 358286

Ion Ratio Lower Upper

114 100

63 21.9 0.0 41.8

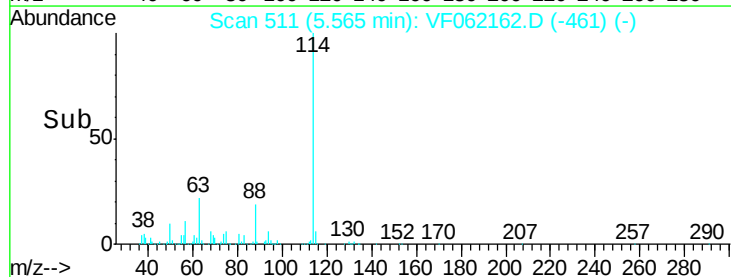
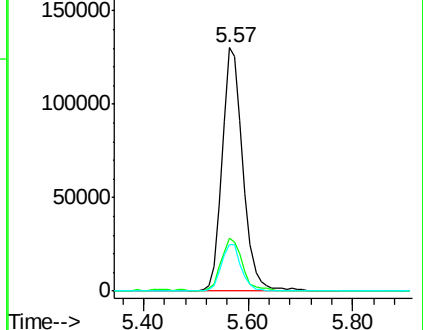
88 18.9 0.0 31.4

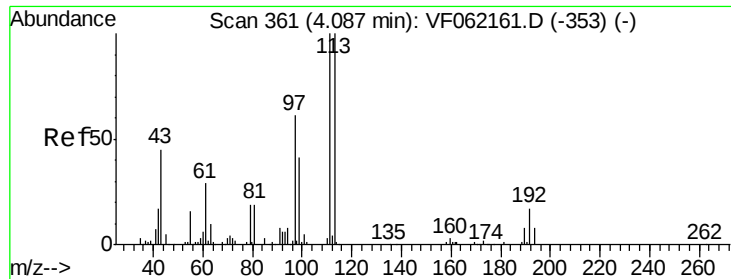


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 79.664 ug/l

RT: 4.08 min Scan# 360

Delta R.T. -0.01 min

Lab File: VF062162.D

Acq: 4 Apr 2019 17:35

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

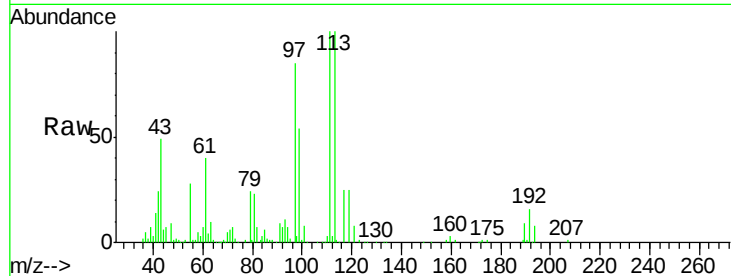
Tgt Ion:113 Resp: 196816

Ion Ratio Lower Upper

113 100

111 100.2 79.8 119.6

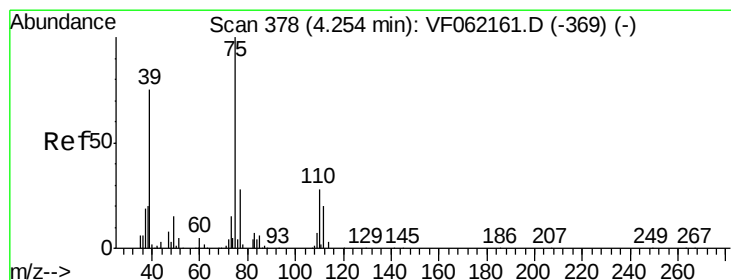
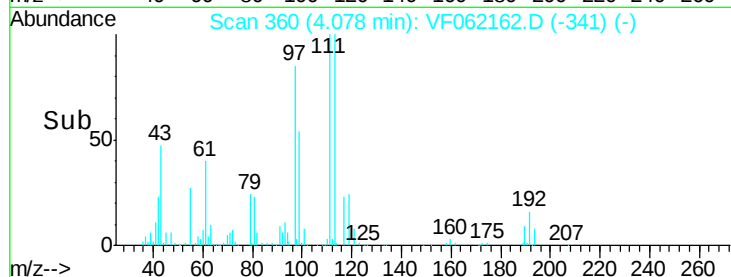
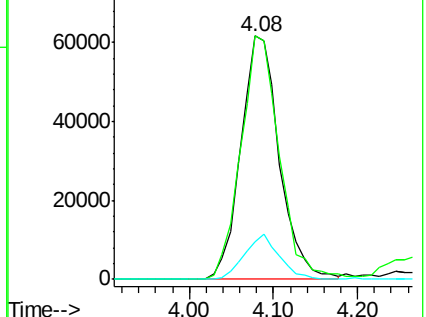
192 15.7 13.8 20.6



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 80.691 ug/l

RT: 4.25 min Scan# 377

Delta R.T. -0.01 min

Lab File: VF062162.D

Acq: 4 Apr 2019 17:35

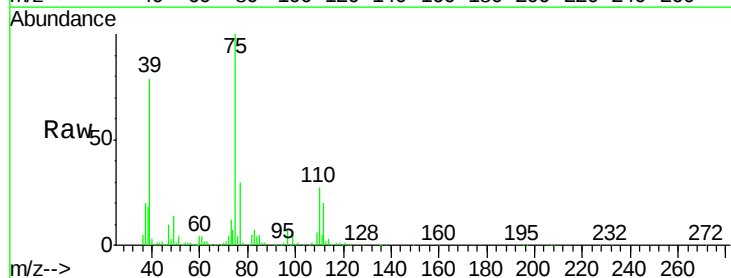
Tgt Ion: 75 Resp: 281591

Ion Ratio Lower Upper

75 100

110 26.9 13.9 41.7

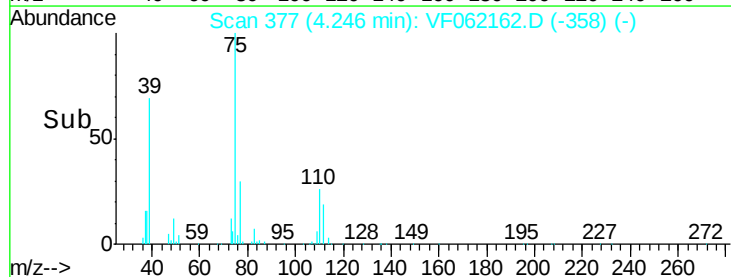
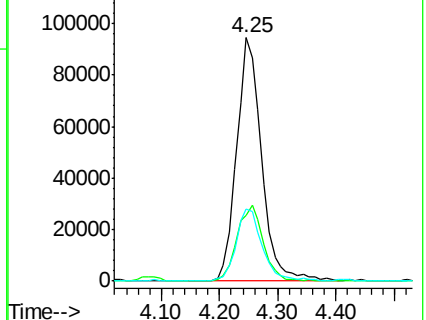
77 29.8 22.6 34.0

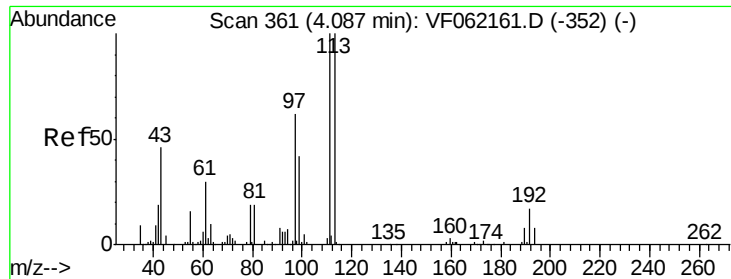


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0





#37

Ethyl Acetate

Concen: 84.163 ug/l

RT: 4.09 min Scan# 361

Delta R.T. 0.00 min

Lab File: VF062162.D

Acq: 4 Apr 2019 17:35

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

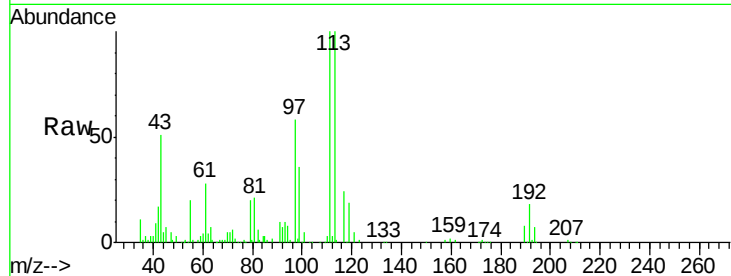
Tgt Ion: 43 Resp: 127553

Ion Ratio Lower Upper

43 100

61 55.5 52.3 78.5

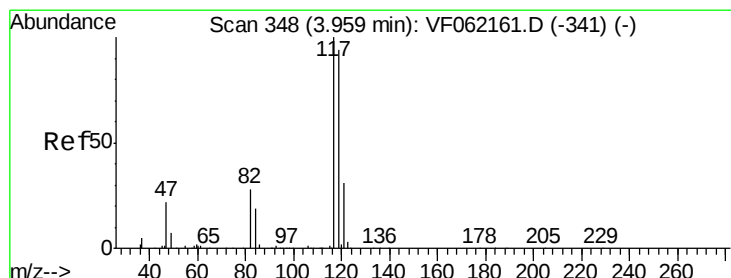
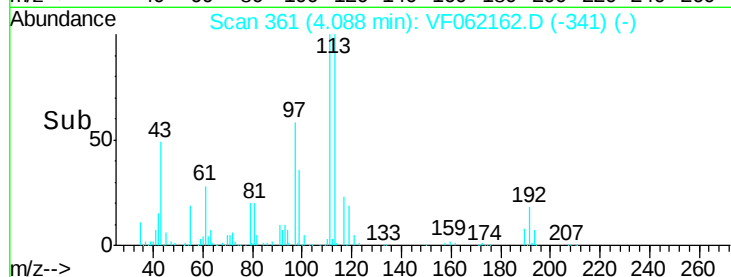
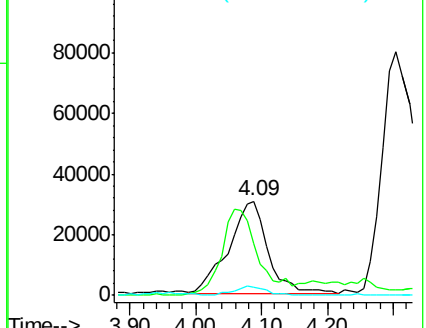
70 8.9 6.4 9.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0



#38

Carbon Tetrachloride

Concen: 85.003 ug/l

RT: 3.96 min Scan# 348

Delta R.T. 0.00 min

Lab File: VF062162.D

Acq: 4 Apr 2019 17:35

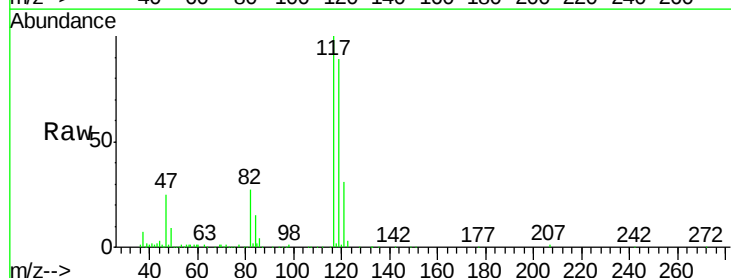
Tgt Ion: 117 Resp: 206424

Ion Ratio Lower Upper

117 100

119 89.4 75.5 113.3

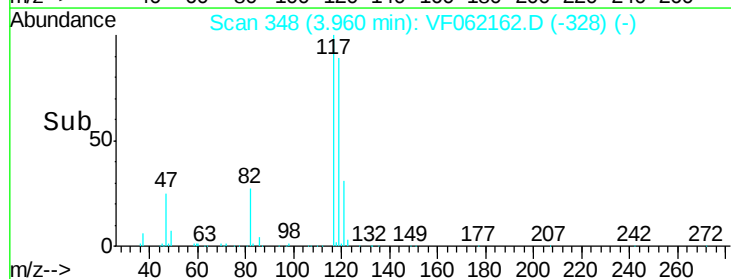
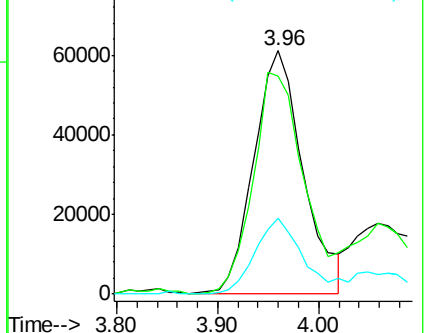
121 31.3 24.6 37.0

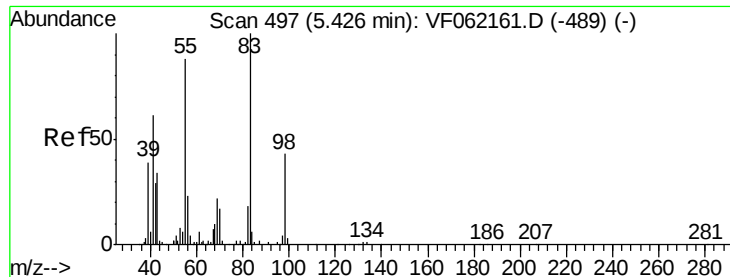


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V

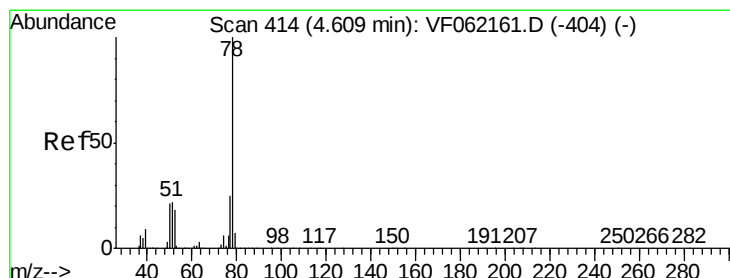
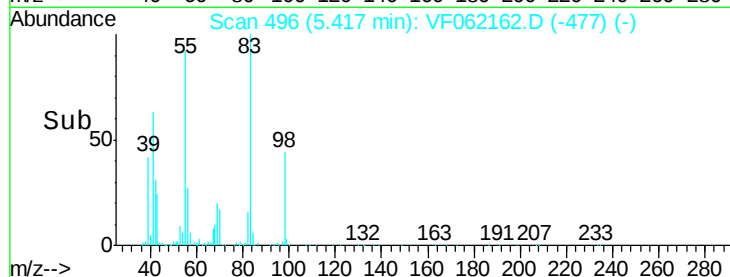
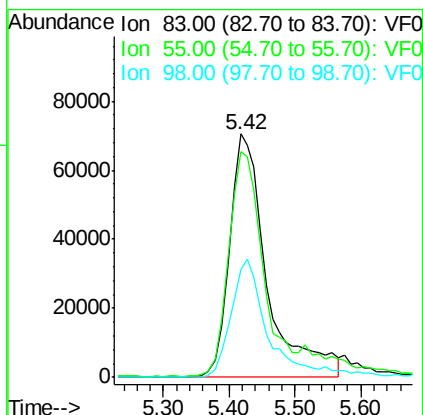
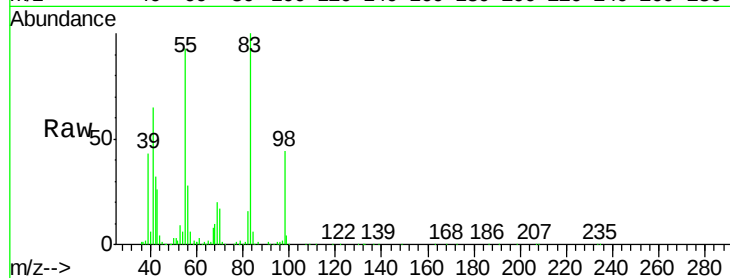




#39
Methylcyclohexane
Concen: 72.915 ug/l
RT: 5.42 min Scan# 496
Delta R.T. -0.01 min
Lab File: VF062162.D
Acq: 4 Apr 2019 17:35

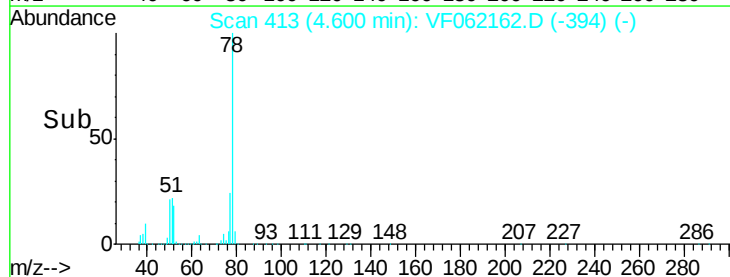
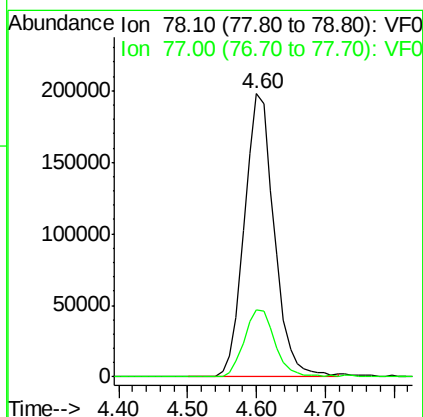
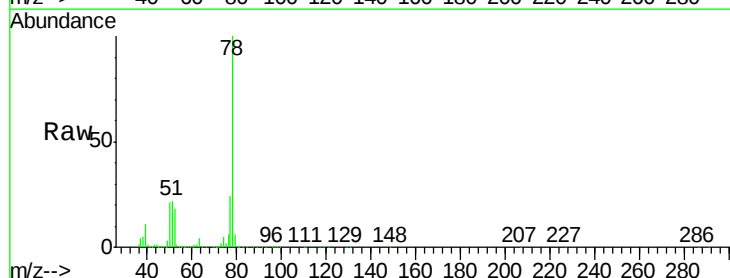
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

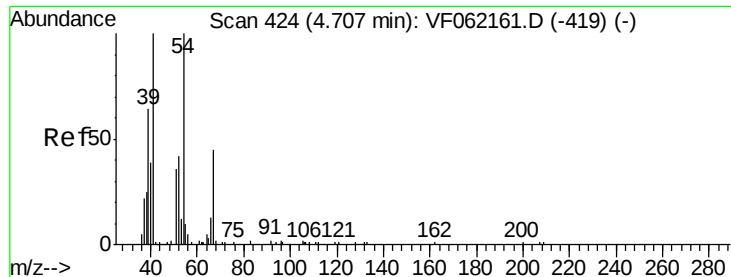
Tgt Ion	Ratio	Lower	Upper
83	100		
55	92.6	70.7	106.1
98	44.5	34.6	51.8



#40
Benzene
Concen: 66.167 ug/l
RT: 4.60 min Scan# 413
Delta R.T. -0.01 min
Lab File: VF062162.D
Acq: 4 Apr 2019 17:35

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.9	29.9

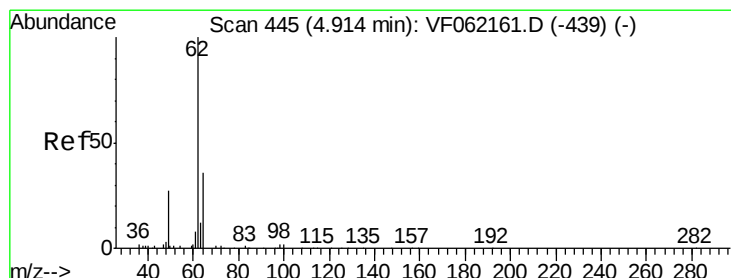
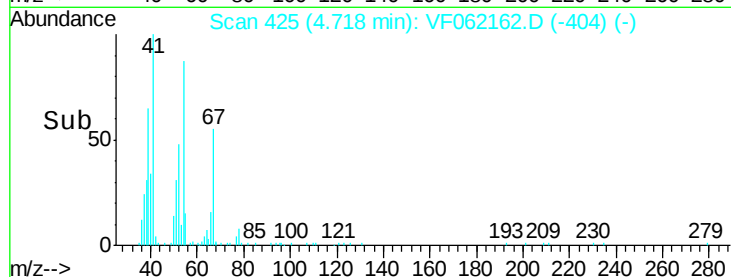
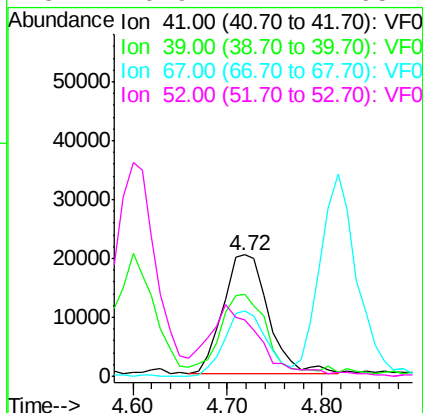
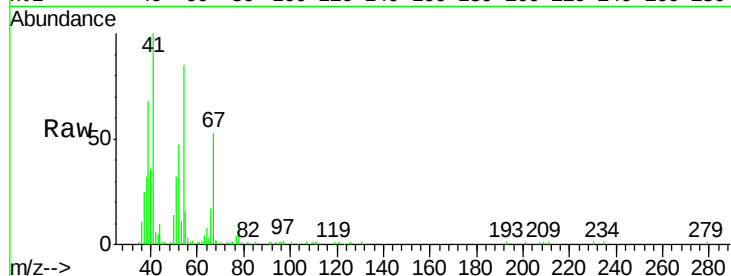




#41
Methacrylonitrile
Concen: 83.764 ug/l
RT: 4.72 min Scan# 425
Delta R.T. 0.01 min
Lab File: VF062162.D
Acq: 4 Apr 2019 17:35

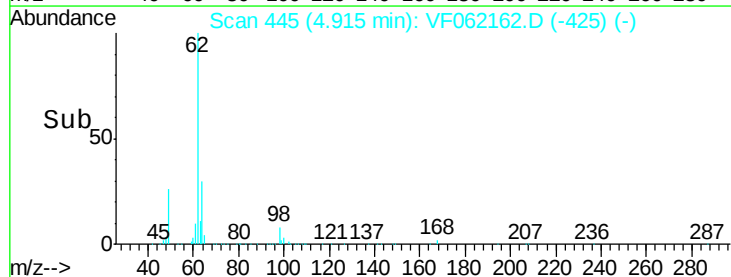
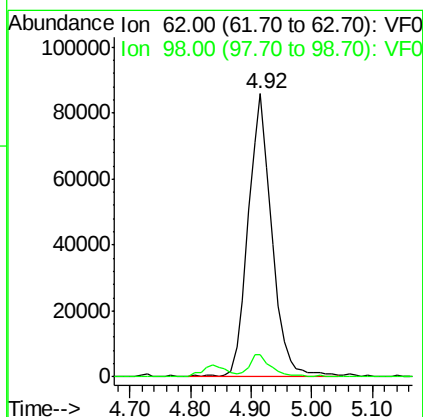
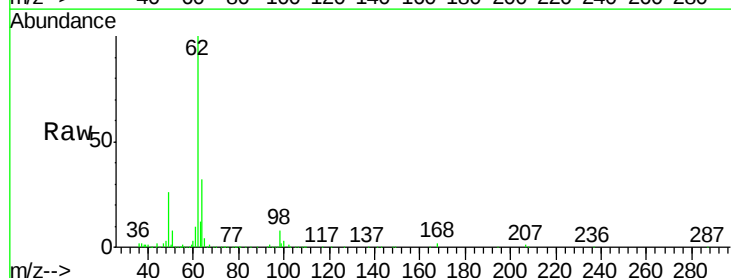
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

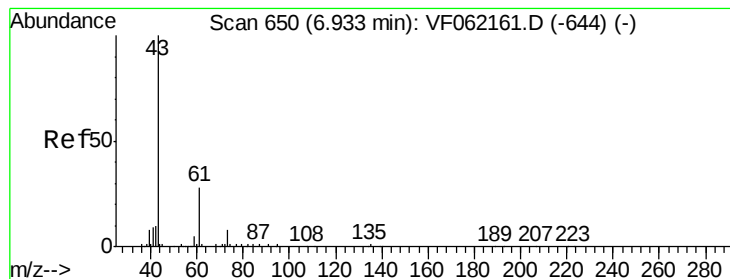
Tgt Ion:	41	Resp:	67481
Ion	Ratio	Lower	Upper
41	100		
39	67.5	56.5	84.7
67	53.4	35.7	53.5
52	46.9	42.2	63.4



#42
1,2-Dichloroethane
Concen: 101.004 ug/l
RT: 4.92 min Scan# 445
Delta R.T. 0.00 min
Lab File: VF062162.D
Acq: 4 Apr 2019 17:35

Tgt Ion:	62	Resp:	233710
Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	14.2



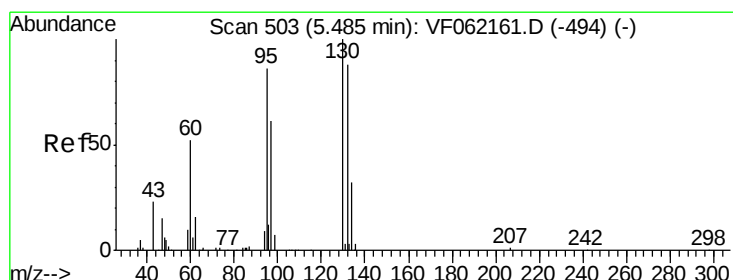
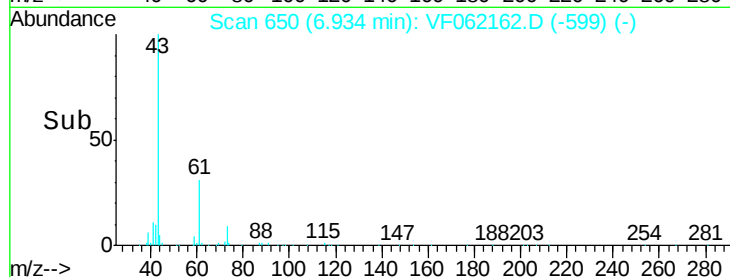
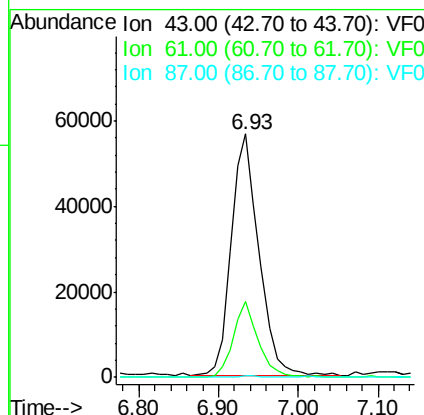
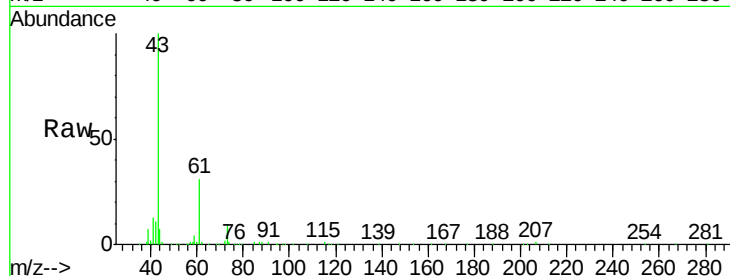


#43

Isopropyl Acetate
 Concen: 75.944 ug/l
 RT: 6.93 min Scan# 650
 Delta R.T. 0.00 min
 Lab File: VF062162.D
 Acq: 4 Apr 2019 17:35

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

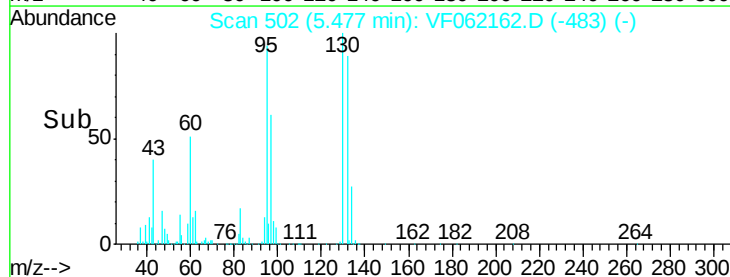
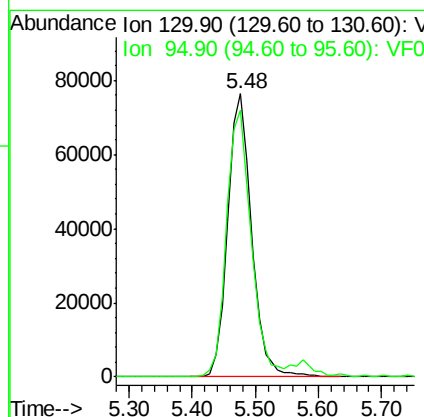
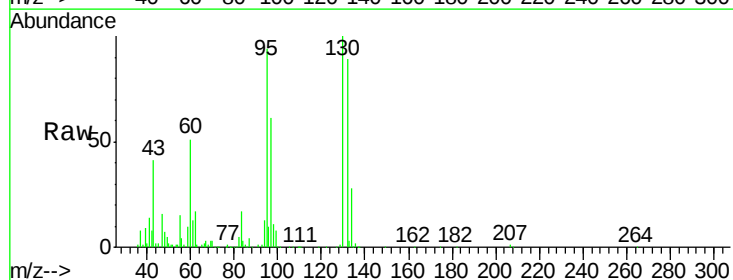
Tgt Ion: 43 Resp: 137007
 Ion Ratio Lower Upper
 43 100
 61 30.9 22.5 33.7
 87 0.5 0.5 0.7

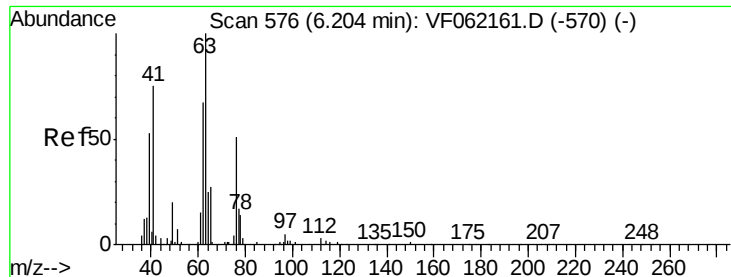


#44

Trichloroethene
 Concen: 72.003 ug/l
 RT: 5.48 min Scan# 502
 Delta R.T. -0.01 min
 Lab File: VF062162.D
 Acq: 4 Apr 2019 17:35

Tgt Ion: 130 Resp: 199322
 Ion Ratio Lower Upper
 130 100
 95 94.3 0.0 172.2





#45

1,2-Dichloropropane

Concen: 66.494 ug/l

RT: 6.21 min Scan# 576

Delta R.T. 0.00 min

Lab File: VF062162.D

Acq: 4 Apr 2019 17:35

Instrument :

MSVOA_F

ClientSampleId :

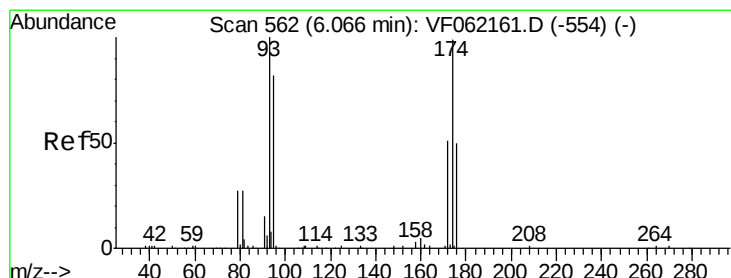
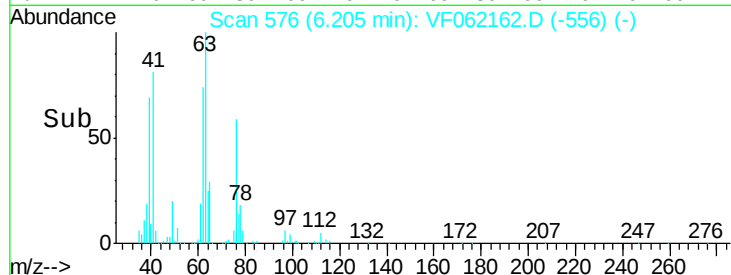
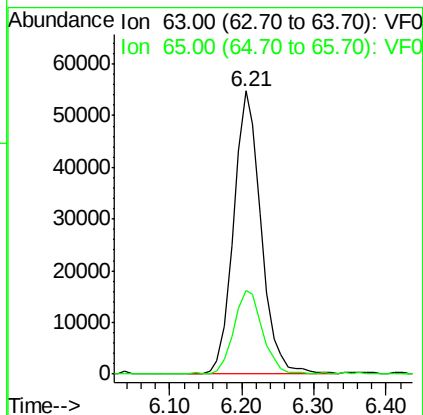
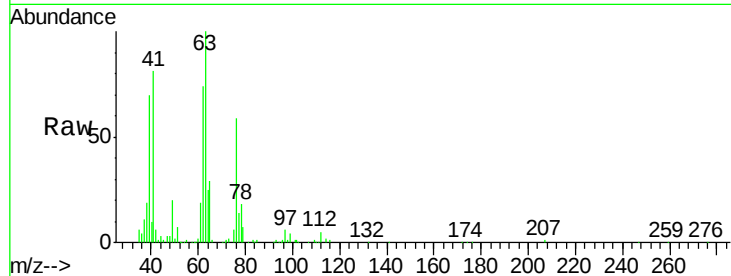
VSTDIC075

Tgt Ion: 63 Resp: 144291

Ion Ratio Lower Upper

63 100

65 29.5 21.8 32.6



#46

Dibromomethane

Concen: 75.930 ug/l

RT: 6.06 min Scan# 561

Delta R.T. -0.01 min

Lab File: VF062162.D

Acq: 4 Apr 2019 17:35

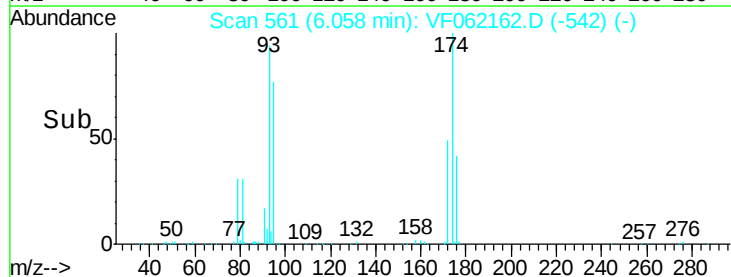
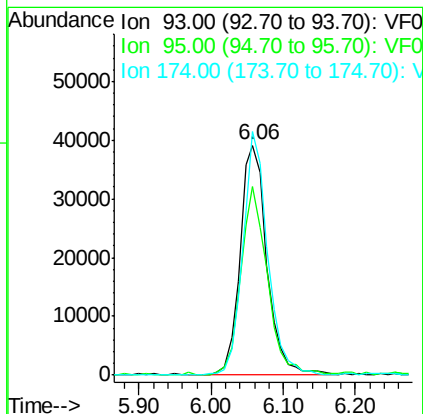
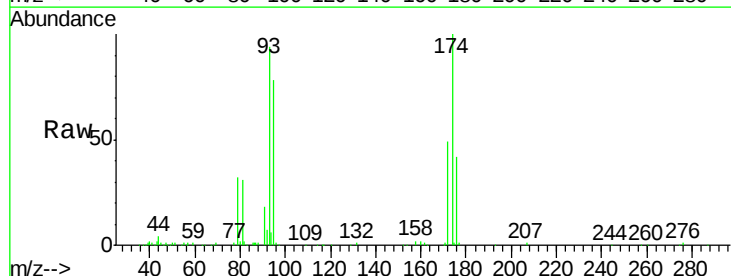
Tgt Ion: 93 Resp: 101965

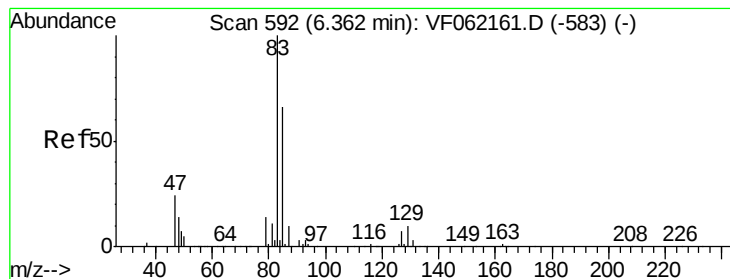
Ion Ratio Lower Upper

93 100

95 82.3 66.5 99.7

174 106.0 79.2 118.8





#47

Bromodichloromethane

Concen: 86.079 ug/l

RT: 6.35 min Scan# 591

Delta R.T. -0.01 min

Lab File: VF062162.D

Acq: 4 Apr 2019 17:35

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

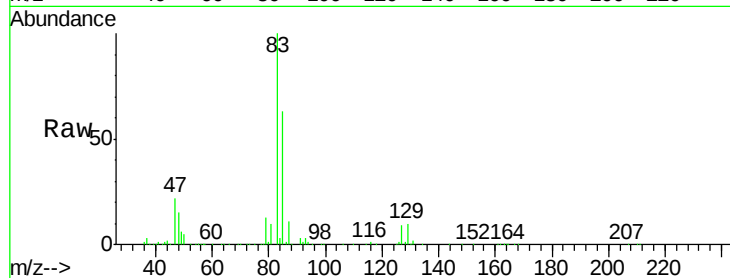
Tgt Ion: 83 Resp: 264352

Ion Ratio Lower Upper

83 100

85 63.3 52.9 79.3

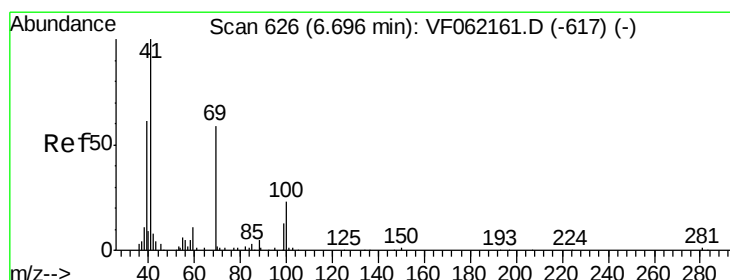
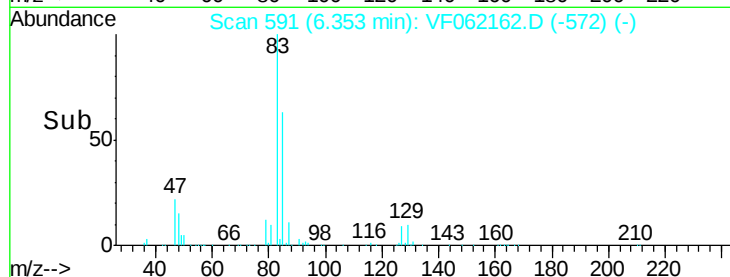
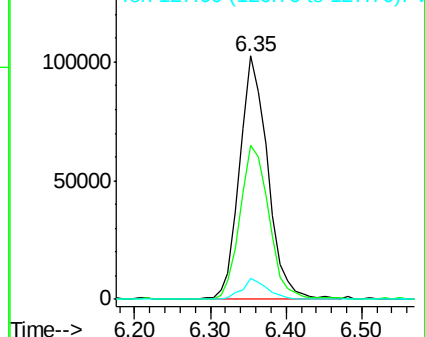
127 8.5 5.9 8.9



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 87.603 ug/l

RT: 6.69 min Scan# 625

Delta R.T. -0.01 min

Lab File: VF062162.D

Acq: 4 Apr 2019 17:35

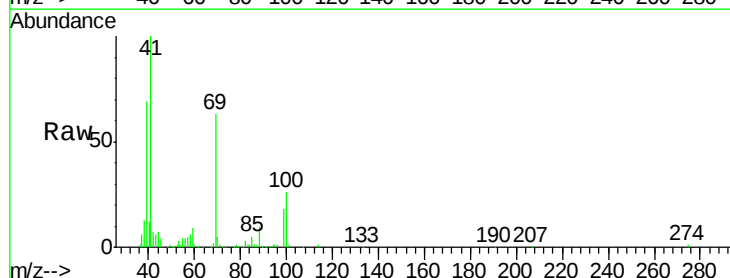
Tgt Ion: 41 Resp: 95162

Ion Ratio Lower Upper

41 100

69 62.8 46.7 70.1

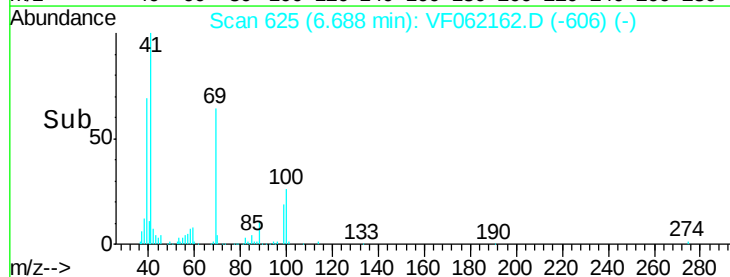
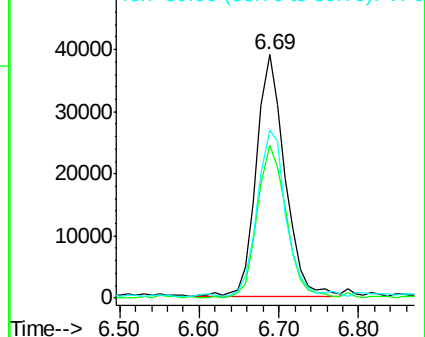
39 69.1 51.4 77.0

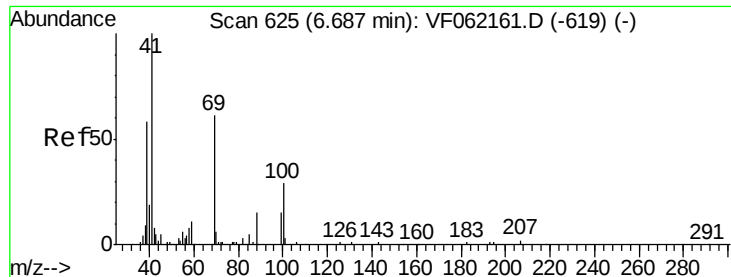


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

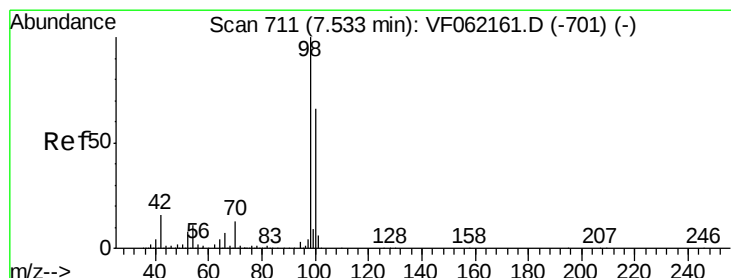
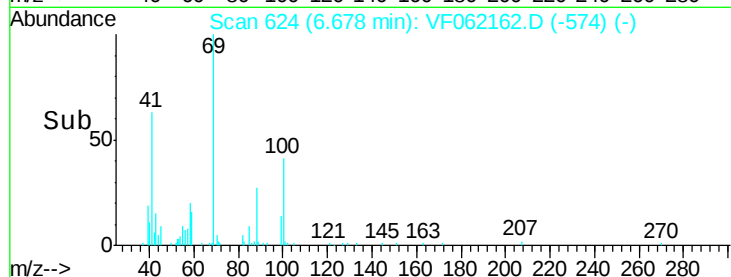
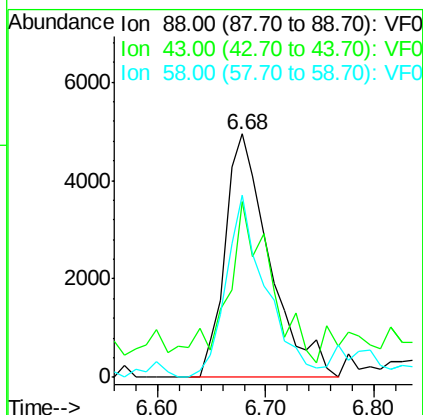
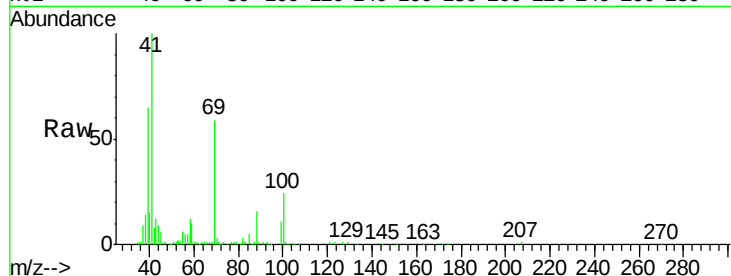




#49
1,4-Dioxane
Concen: 1609.529 ug/l
RT: 6.68 min Scan# 624
Delta R.T. -0.01 min
Lab File: VF062162.D
Acq: 4 Apr 2019 17:35

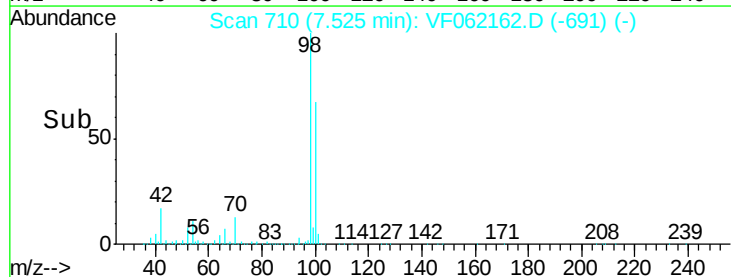
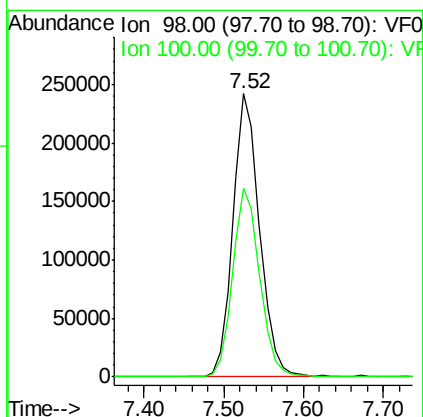
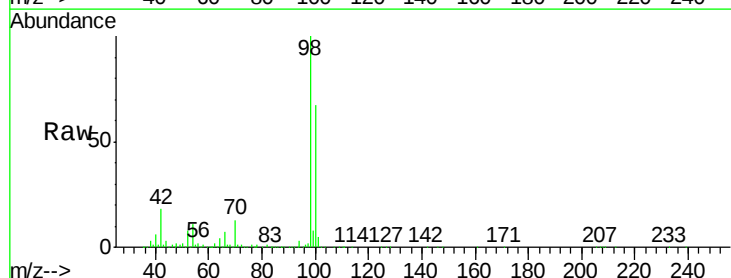
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

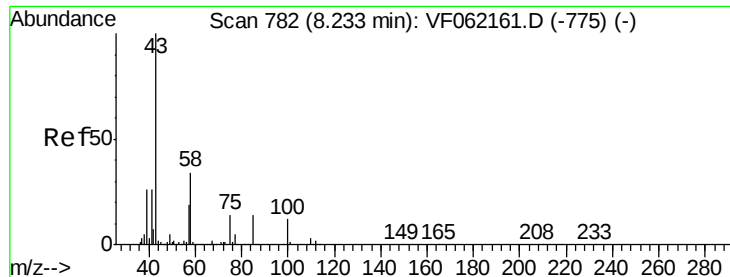
Tgt Ion: 88 Resp: 14148
Ion Ratio Lower Upper
88 100
43 72.2 51.0 76.6
58 74.6 41.3 61.9#



#50
Toluene-d8
Concen: 77.279 ug/l
RT: 7.52 min Scan# 710
Delta R.T. -0.01 min
Lab File: VF062162.D
Acq: 4 Apr 2019 17:35

Tgt Ion: 98 Resp: 565666
Ion Ratio Lower Upper
98 100
100 66.7 52.6 78.8

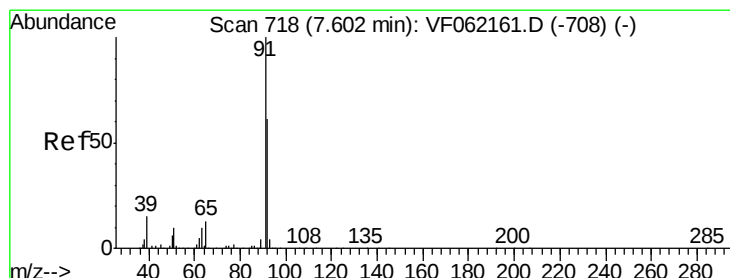
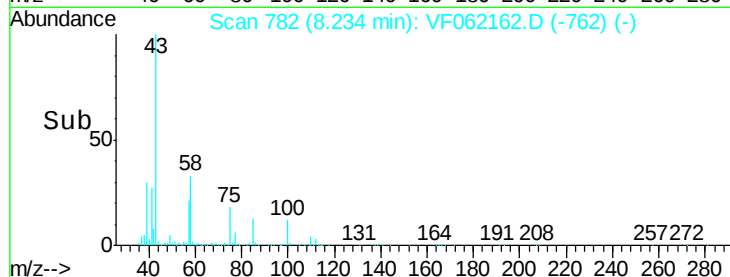
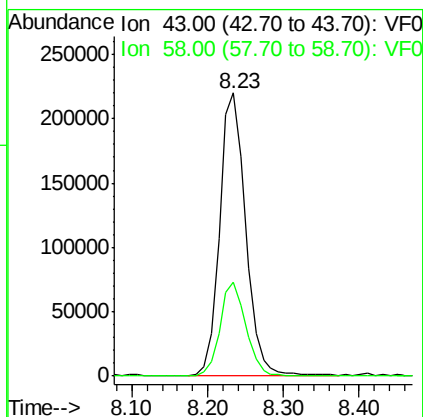
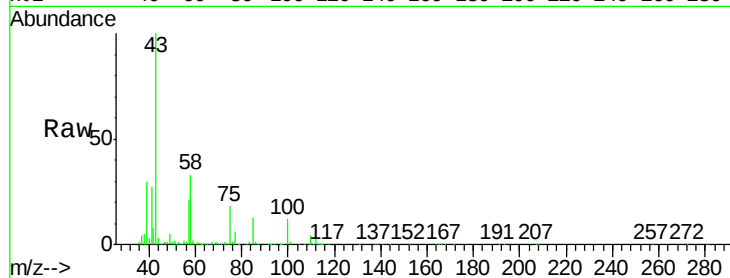




#51
 4-Methyl-2-Pentanone
 Concen: 423.976 ug/l
 RT: 8.23 min Scan# 782
 Delta R.T. 0.00 min
 Lab File: VF062162.D
 Acq: 4 Apr 2019 17:35

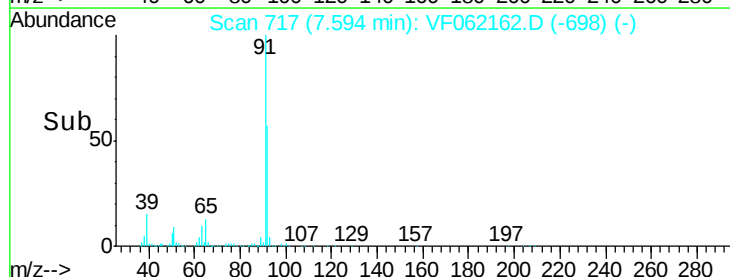
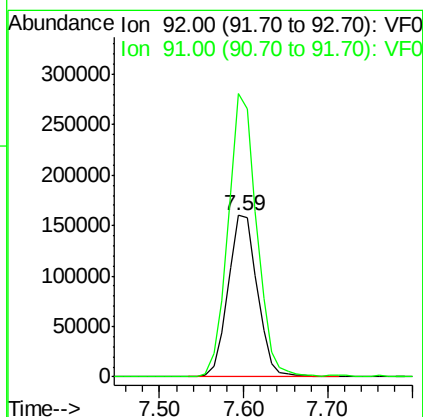
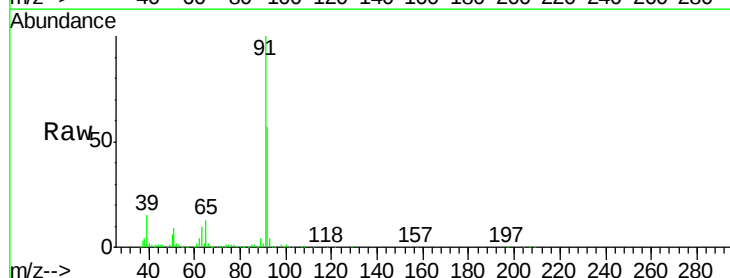
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

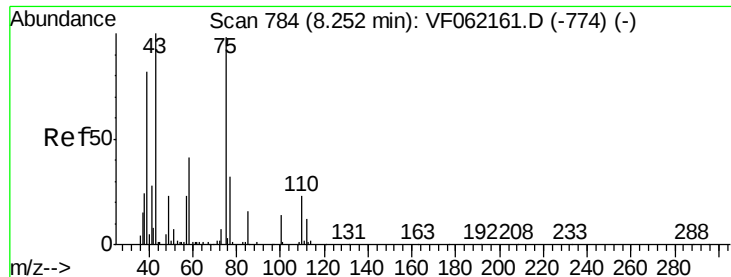
Tgt Ion: 43 Resp: 523971
 Ion Ratio Lower Upper
 43 100
 58 33.2 27.0 40.4



#52
 Toluene
 Concen: 73.136 ug/l
 RT: 7.59 min Scan# 717
 Delta R.T. -0.01 min
 Lab File: VF062162.D
 Acq: 4 Apr 2019 17:35

Tgt Ion: 92 Resp: 389453
 Ion Ratio Lower Upper
 92 100
 91 175.0 130.8 196.2

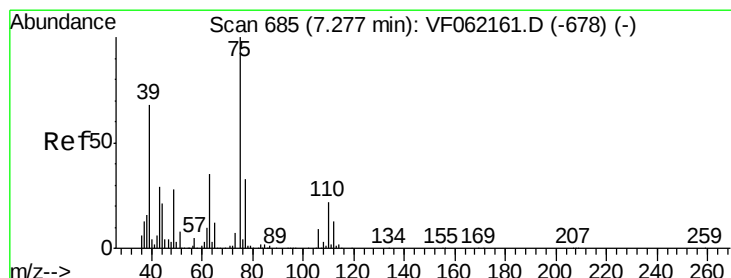
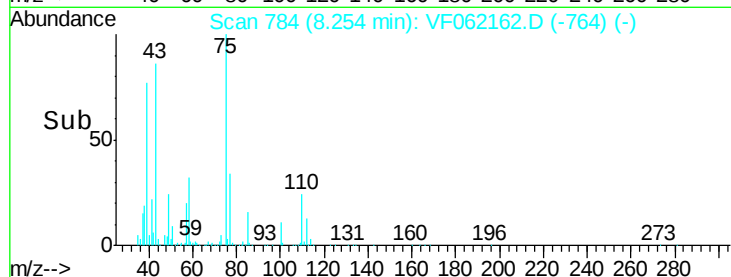
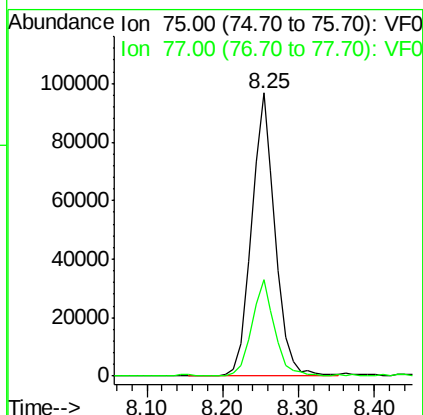
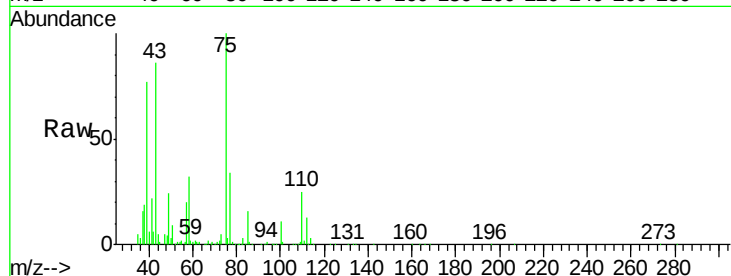




#53
t-1,3-Dichloropropene
Concen: 85.985 ug/l
RT: 8.25 min Scan# 784
Delta R.T. 0.00 min
Lab File: VF062162.D
Acq: 4 Apr 2019 17:35

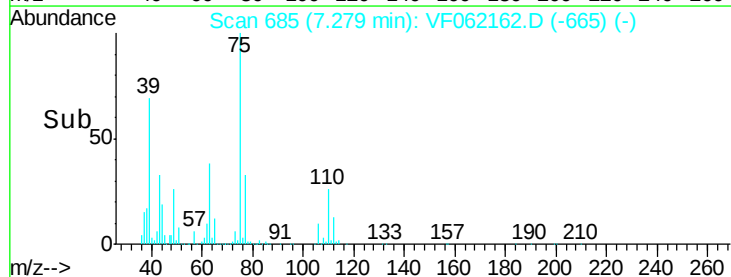
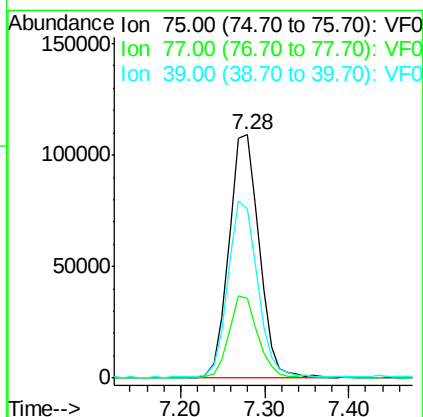
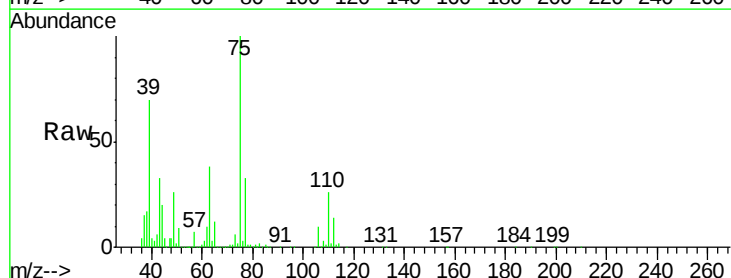
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

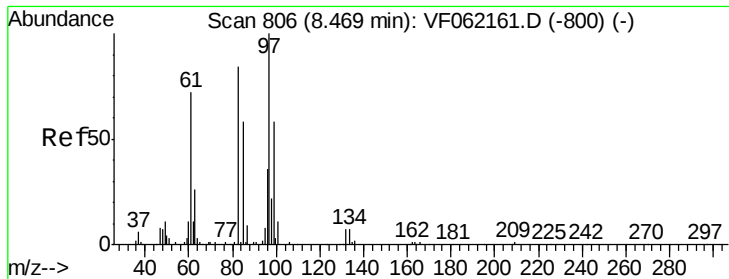
Tgt Ion: 75 Resp: 209037
Ion Ratio Lower Upper
75 100
77 34.0 26.6 39.8



#54
cis-1,3-Dichloropropene
Concen: 81.312 ug/l
RT: 7.28 min Scan# 685
Delta R.T. 0.00 min
Lab File: VF062162.D
Acq: 4 Apr 2019 17:35

Tgt Ion: 75 Resp: 273567
Ion Ratio Lower Upper
75 100
77 33.0 26.7 40.1
39 69.6 55.0 82.4





#55

1,1,2-Trichloroethane

Concen: 65.764 ug/l

RT: 8.46 min Scan# 805

Delta R.T. -0.01 min

Lab File: VF062162.D

Acq: 4 Apr 2019 17:35

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tgt Ion: 97 Resp: 98335

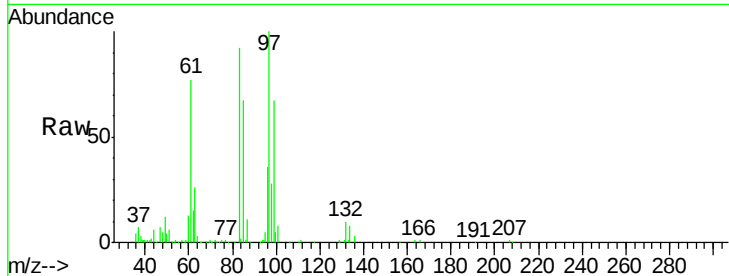
Ion Ratio Lower Upper

97 100

83 92.3 67.4 101.0

85 66.6 46.6 70.0

99 66.9 46.5 69.7

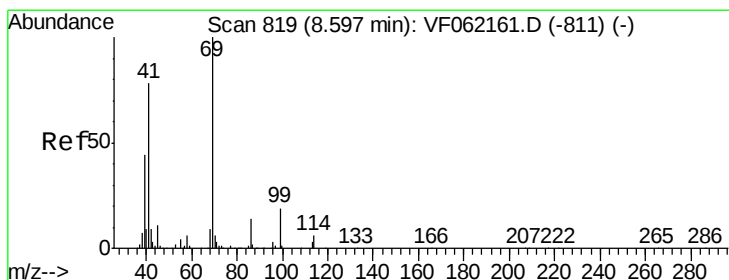
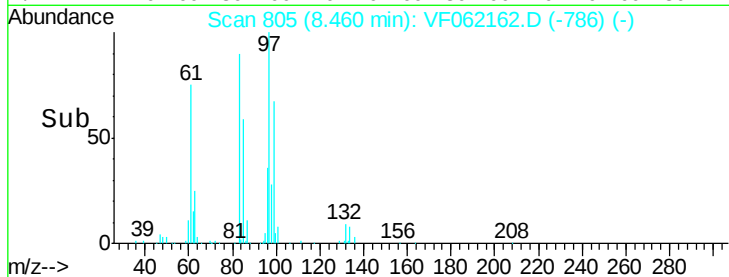
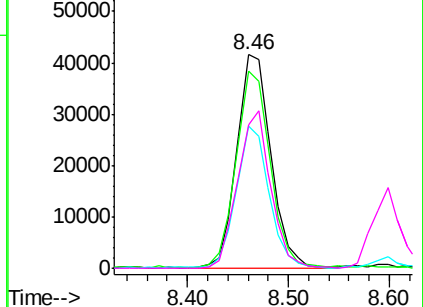


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 78.218 ug/l

RT: 8.60 min Scan# 819

Delta R.T. 0.00 min

Lab File: VF062162.D

Acq: 4 Apr 2019 17:35

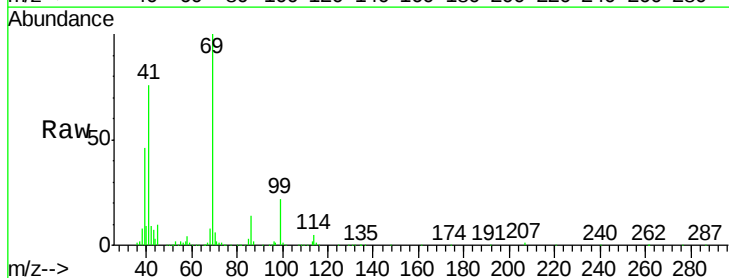
Tgt Ion: 69 Resp: 142293

Ion Ratio Lower Upper

69 100

41 76.3 63.0 94.4

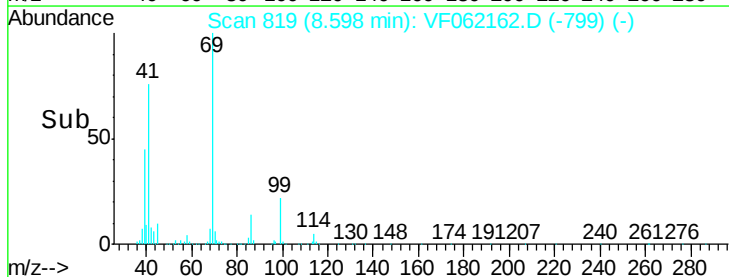
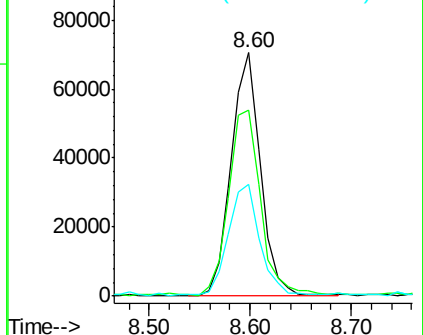
39 46.0 36.1 54.1

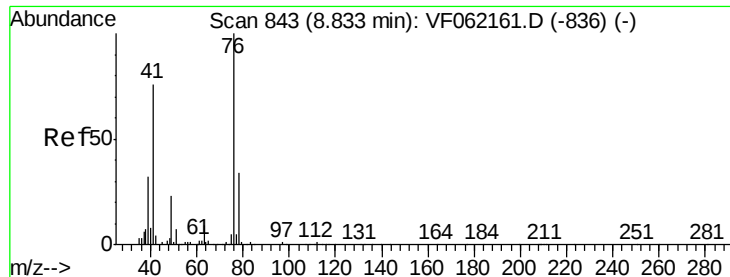


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 76.426 ug/l

RT: 8.82 min Scan# 842

Delta R.T. -0.01 min

Lab File: VF062162.D

Acq: 4 Apr 2019 17:35

Instrument :

MSVOA_F

ClientSampleId :

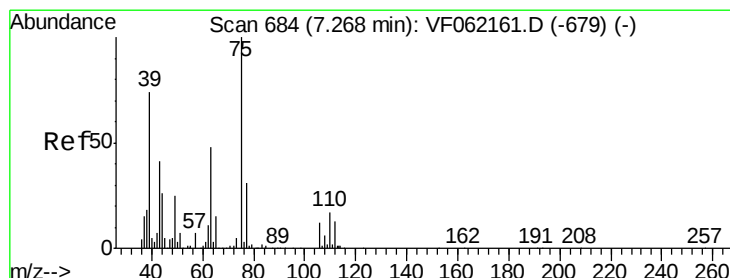
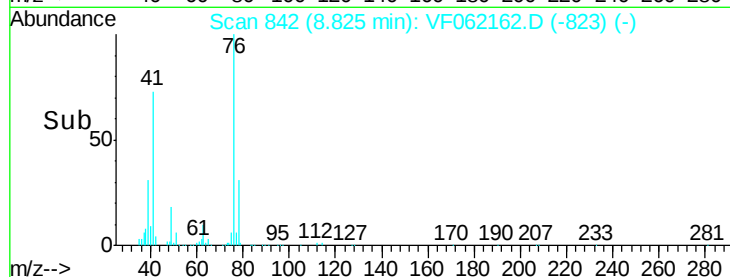
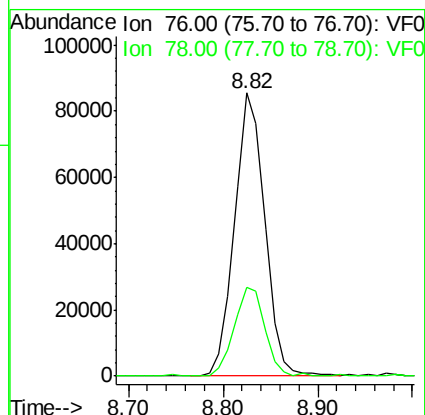
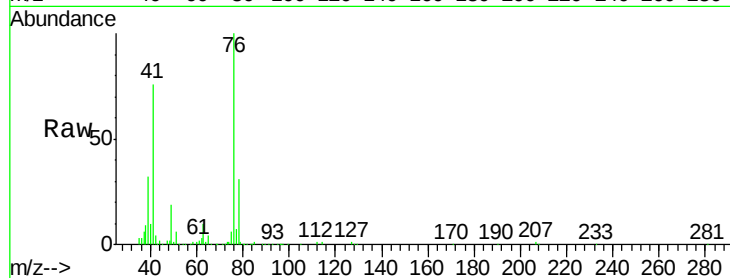
VSTDIC075

Tgt Ion: 76 Resp: 189560

Ion Ratio Lower Upper

76 100

78 31.4 27.4 41.2



#58

2-Chloroethyl Vinyl ether

Concen: 404.904 ug/l

RT: 7.27 min Scan# 684

Delta R.T. 0.00 min

Lab File: VF062162.D

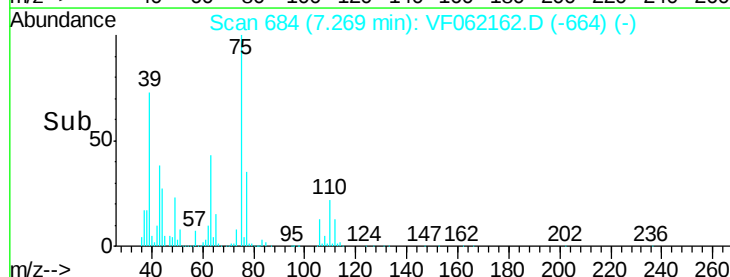
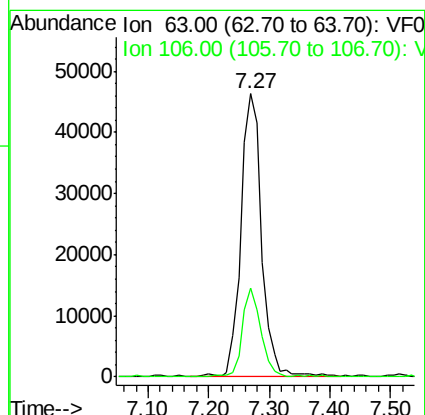
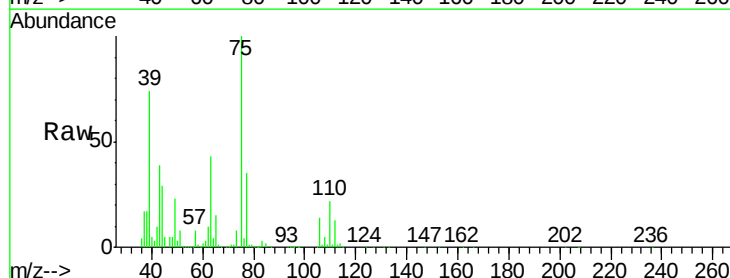
Acq: 4 Apr 2019 17:35

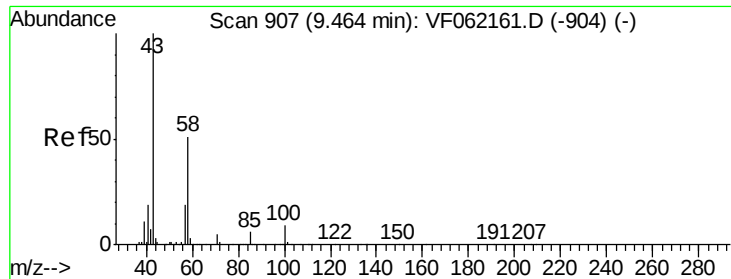
Tgt Ion: 63 Resp: 110613

Ion Ratio Lower Upper

63 100

106 31.4 20.6 31.0#

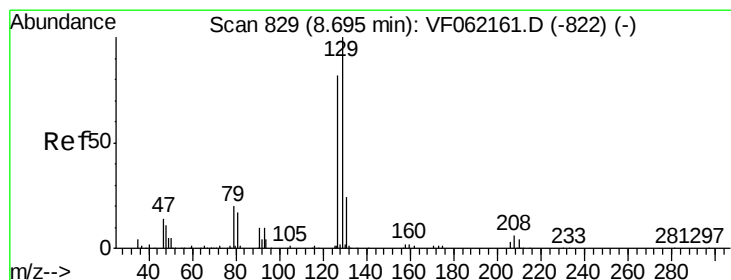
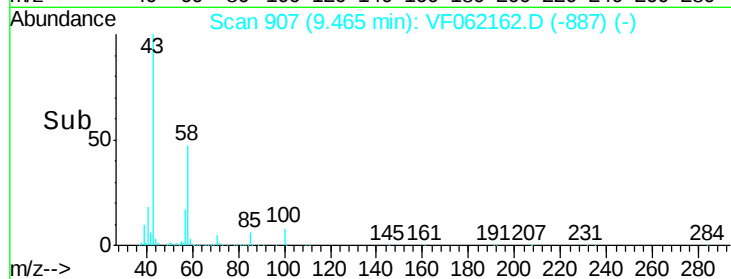
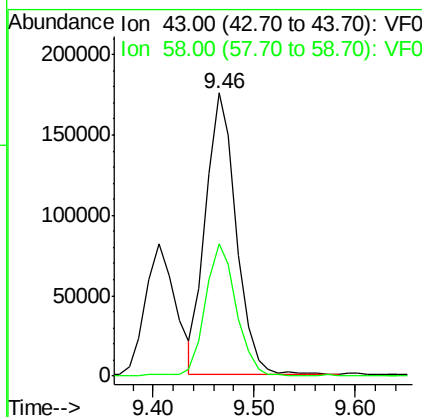
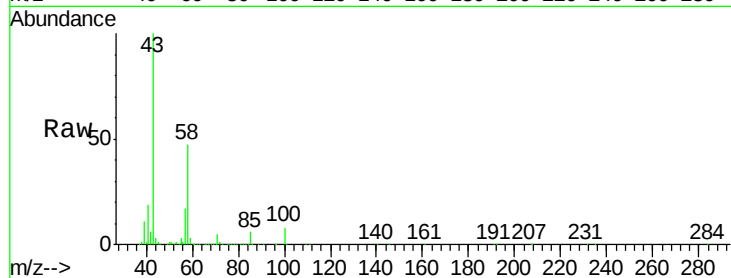




#59
2-Hexanone
Concen: 410.188 ug/l
RT: 9.46 min Scan# 907
Delta R.T. 0.00 min
Lab File: VF062162.D
Acq: 4 Apr 2019 17:35

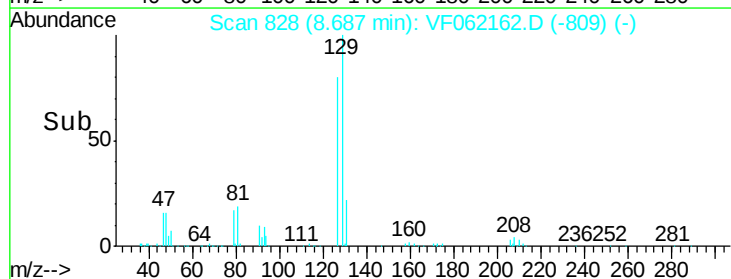
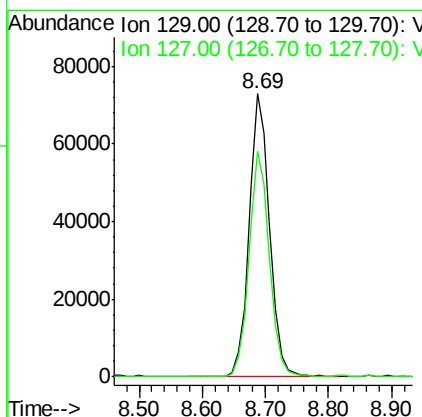
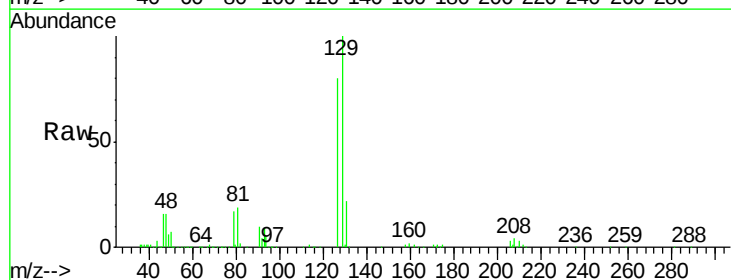
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

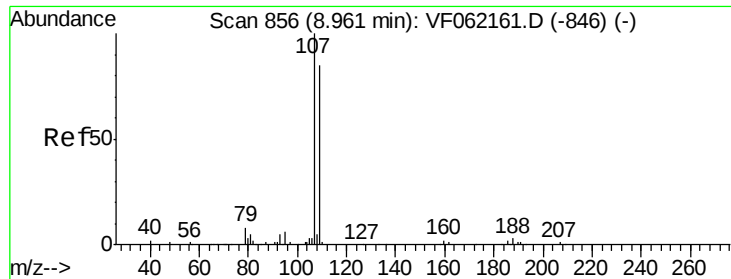
Tgt Ion: 43 Resp: 369019
Ion Ratio Lower Upper
43 100
58 46.9 23.3 69.9



#60
Dibromochloromethane
Concen: 78.265 ug/l
RT: 8.69 min Scan# 828
Delta R.T. -0.01 min
Lab File: VF062162.D
Acq: 4 Apr 2019 17:35

Tgt Ion: 129 Resp: 164878
Ion Ratio Lower Upper
129 100
127 79.9 40.9 122.7





#61

1,2-Dibromoethane

Concen: 72.873 ug/l

RT: 8.96 min Scan# 856

Delta R.T. 0.00 min

Lab File: VF062162.D

Acq: 4 Apr 2019 17:35

Instrument :

MSVOA_F

ClientSampleId :

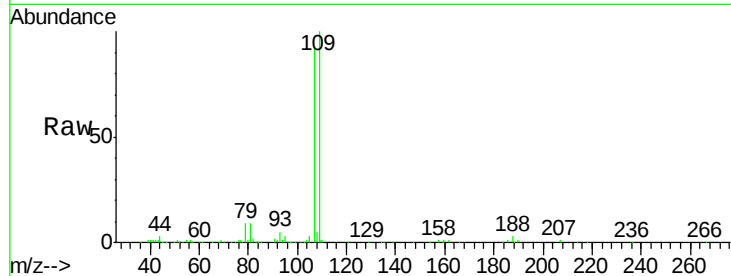
VSTDIC075

Tgt Ion:107 Resp: 116124

Ion Ratio Lower Upper

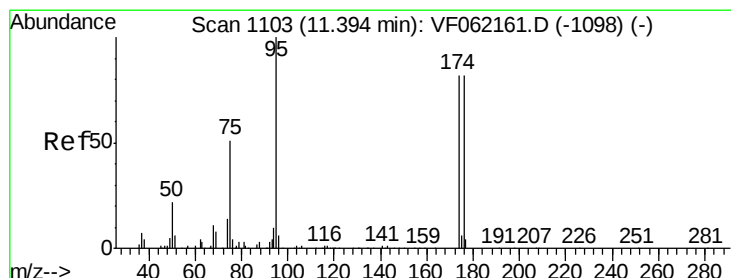
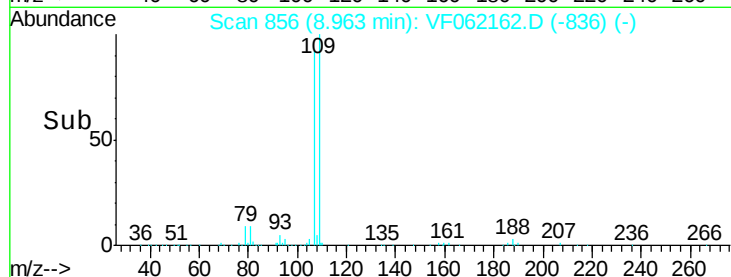
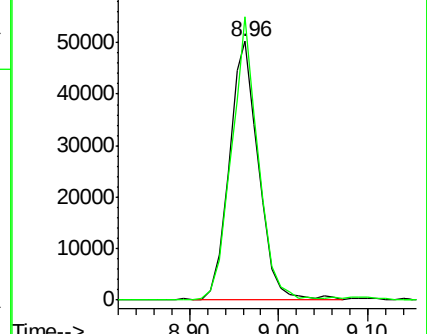
107 100

109 109.4 68.4 102.6#



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 78.523 ug/l

RT: 11.40 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VF062162.D

Acq: 4 Apr 2019 17:35

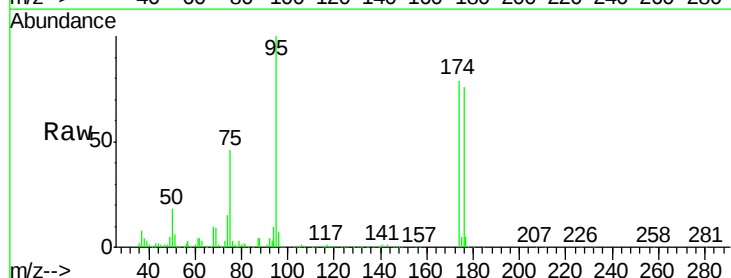
Tgt Ion: 95 Resp: 223804

Ion Ratio Lower Upper

95 100

174 79.0 0.0 164.8

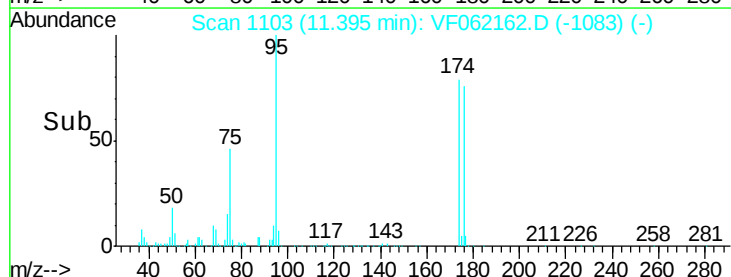
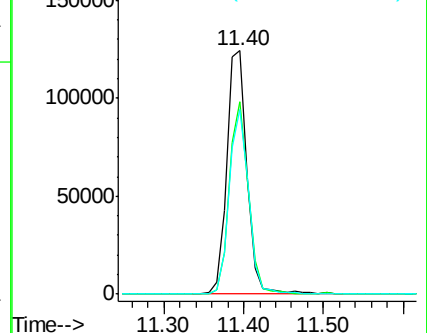
176 76.0 0.0 164.6

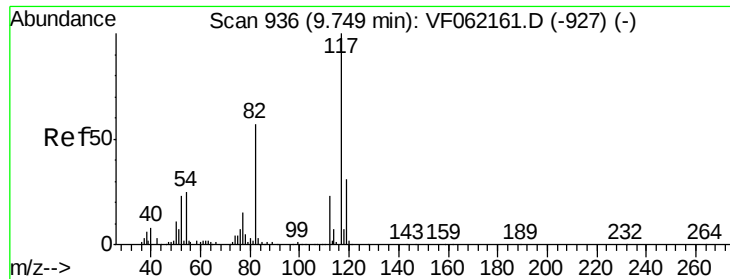


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

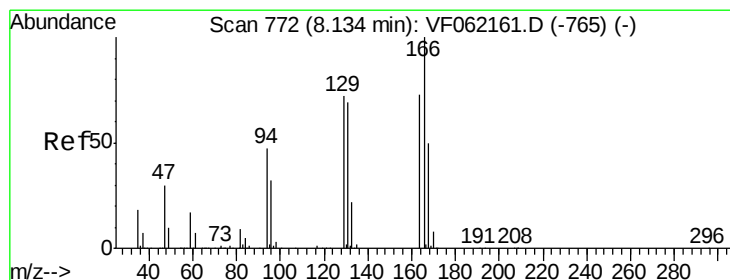
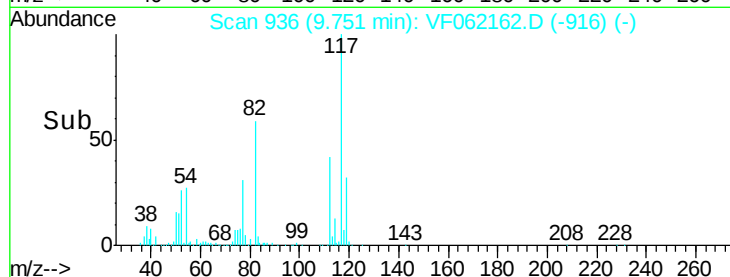
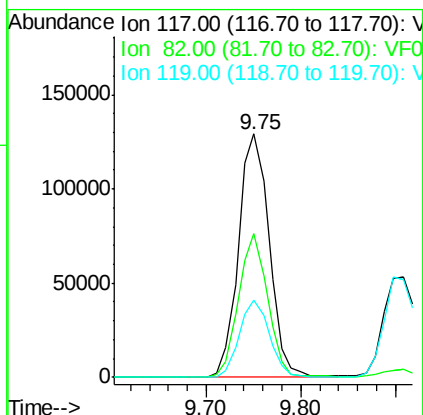
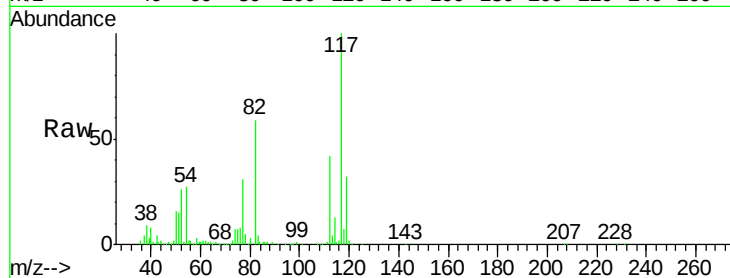




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.75 min Scan# 936
Delta R.T. 0.00 min
Lab File: VF062162.D
Acq: 4 Apr 2019 17:35

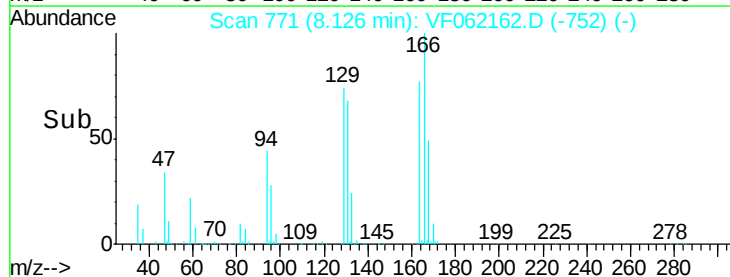
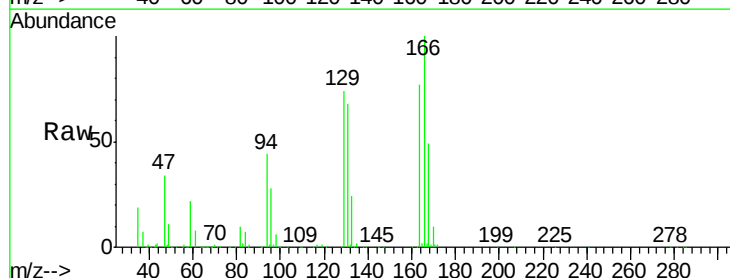
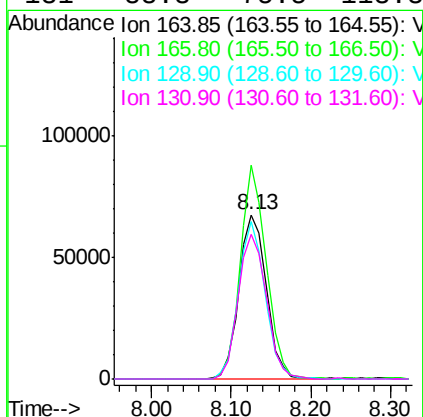
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

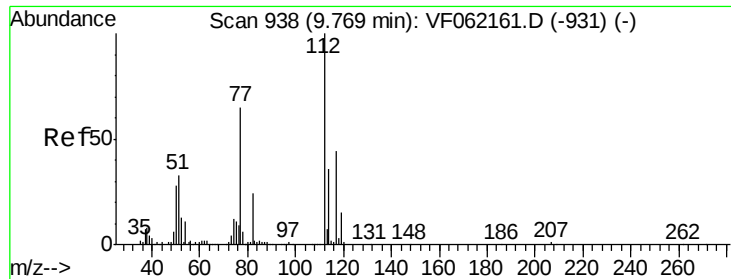
Tgt Ion	Ratio	Lower	Upper
117	100		
82	58.9	45.5	68.3
119	31.7	24.9	37.3



#64
Tetrachloroethene
Concen: 71.995 ug/l
RT: 8.13 min Scan# 771
Delta R.T. -0.01 min
Lab File: VF062162.D
Acq: 4 Apr 2019 17:35

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.1	110.2	165.2
129	95.8	79.0	118.6
131	88.3	75.5	113.3





#65

Chlorobenzene

Concen: 75.832 ug/l

RT: 9.77 min Scan# 938

Delta R.T. 0.00 min

Lab File: VF062162.D

Acq: 4 Apr 2019 17:35

Instrument :

MSVOA_F

ClientSampleId :

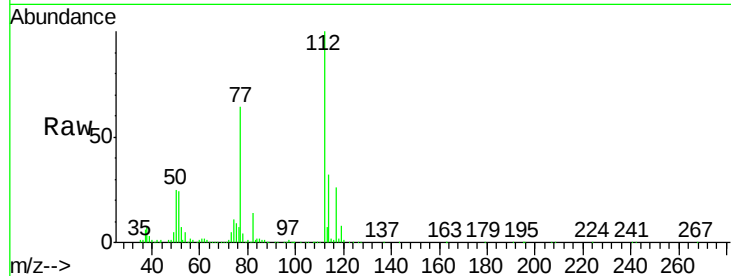
VSTDIC075

Tgt Ion:112 Resp: 416530

Ion Ratio Lower Upper

112 100

114 32.1 28.6 43.0



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

9.77

200000

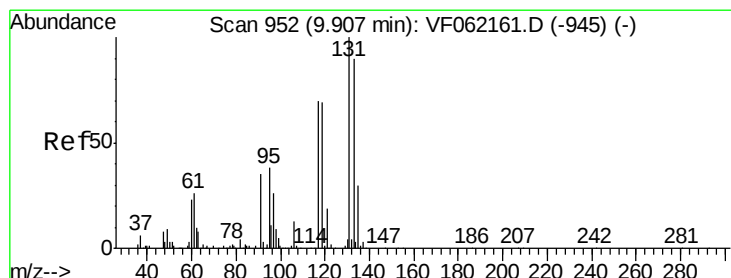
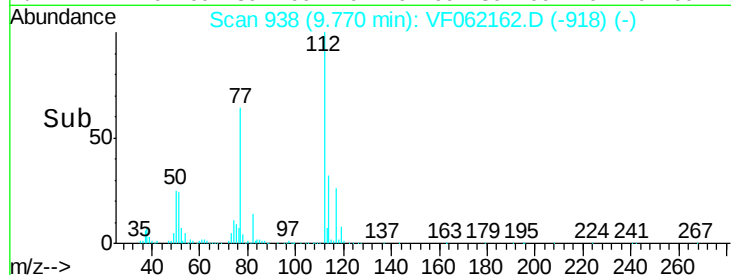
150000

100000

50000

0

Time--> 9.60 9.70 9.80 9.90



#66

1,1,1,2-Tetrachloroethane

Concen: 80.131 ug/l

RT: 9.91 min Scan# 952

Delta R.T. 0.00 min

Lab File: VF062162.D

Acq: 4 Apr 2019 17:35

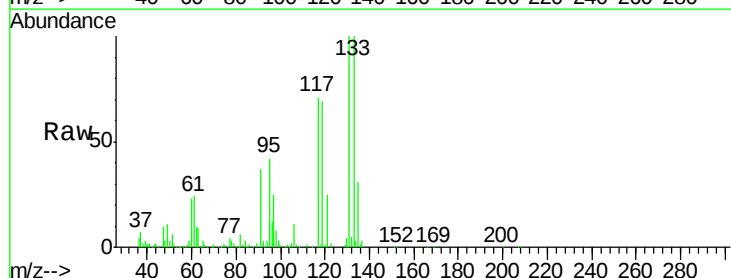
Tgt Ion:131 Resp: 179617

Ion Ratio Lower Upper

131 100

133 100.4 45.1 135.3

119 69.1 34.9 104.7



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

9.91

100000

80000

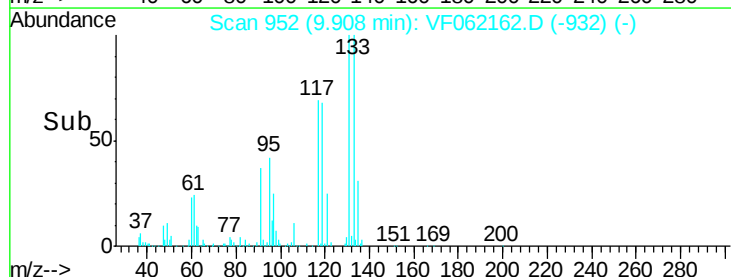
60000

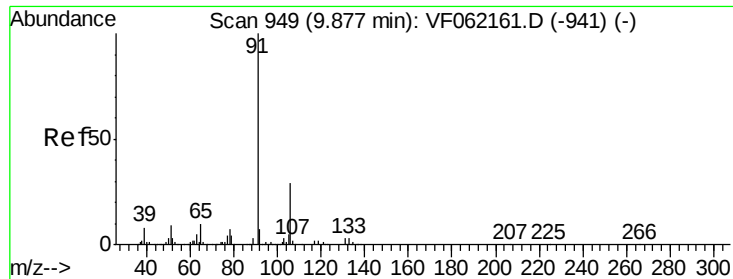
40000

20000

0

Time--> 9.80 9.90 10.00





#67

Ethyl Benzene

Concen: 80.113 ug/l

RT: 9.88 min Scan# 949

Delta R.T. 0.00 min

Lab File: VF062162.D

Acq: 4 Apr 2019 17:35

Instrument :

MSVOA_F

ClientSampleId :

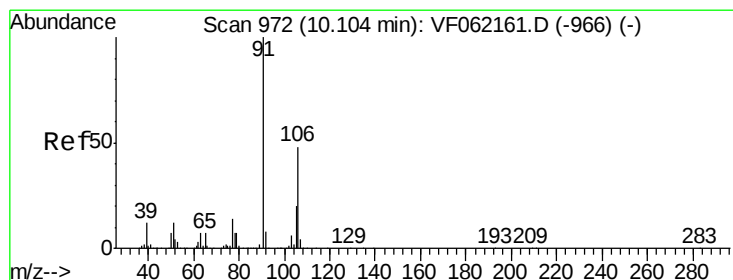
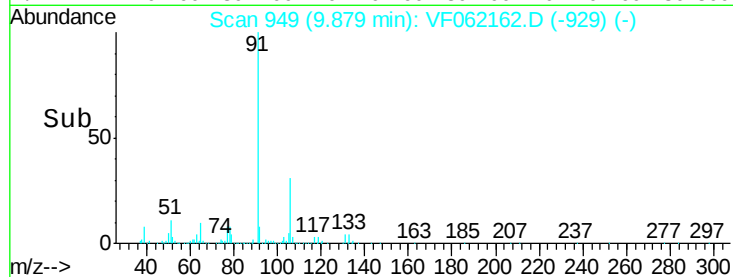
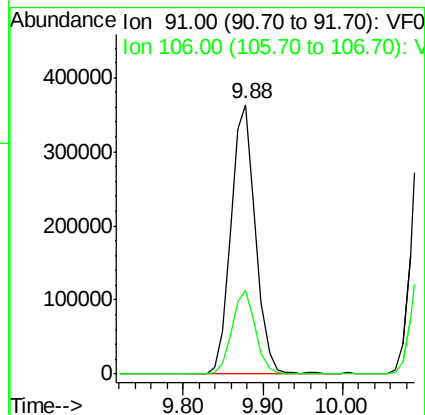
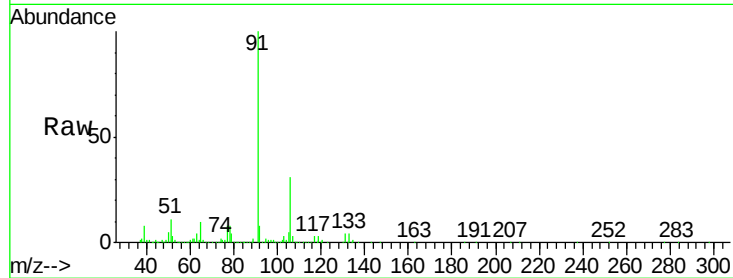
VSTDIC075

Tgt Ion: 91 Resp: 782789

Ion Ratio Lower Upper

91 100

106 31.0 23.2 34.8



#68

m/p-Xylenes

Concen: 152.185 ug/l

RT: 10.11 min Scan# 972

Delta R.T. 0.00 min

Lab File: VF062162.D

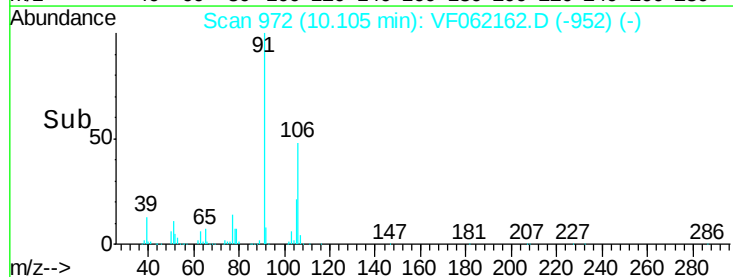
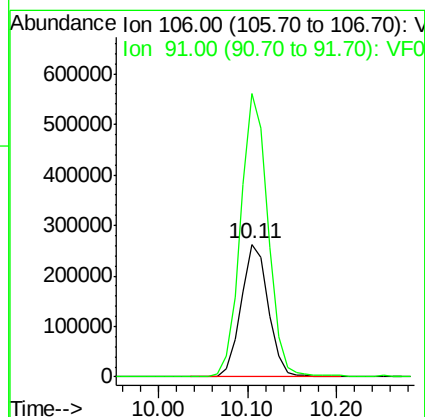
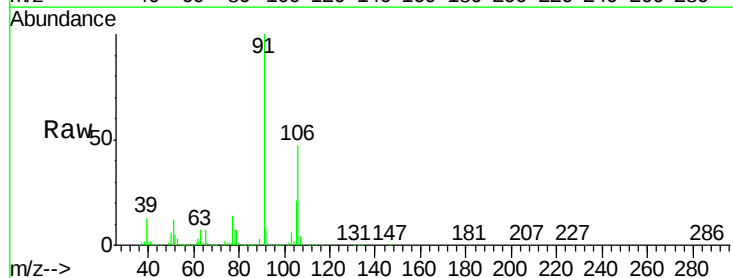
Acq: 4 Apr 2019 17:35

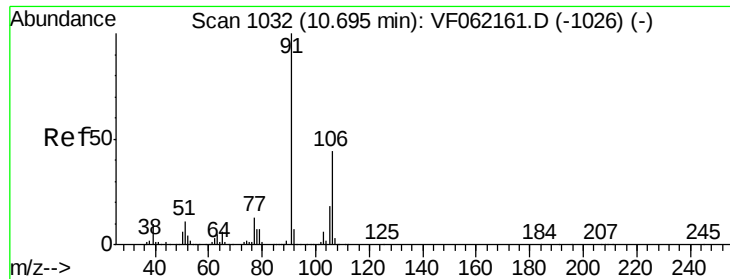
Tgt Ion: 106 Resp: 553320

Ion Ratio Lower Upper

106 100

91 213.4 167.3 250.9

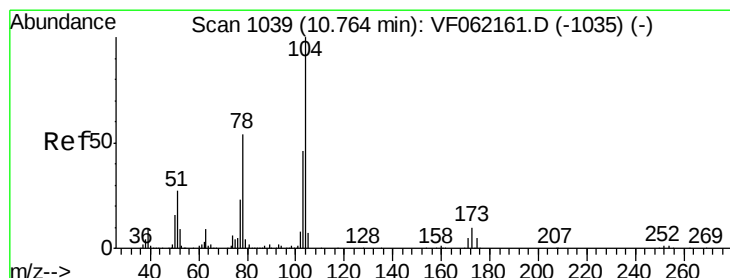
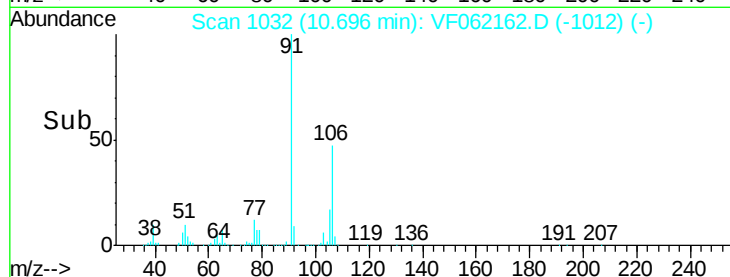
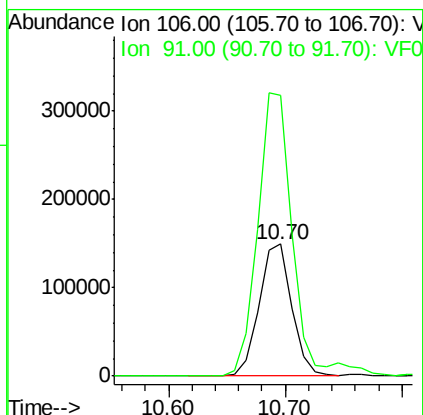
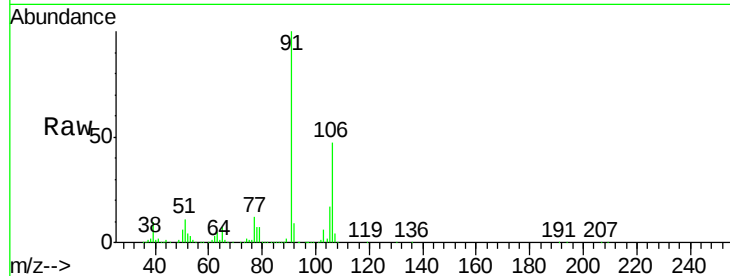




#69
o-Xylene
Concen: 77.412 ug/l
RT: 10.70 min Scan# 1032
Delta R.T. 0.00 min
Lab File: VF062162.D
Acq: 4 Apr 2019 17:35

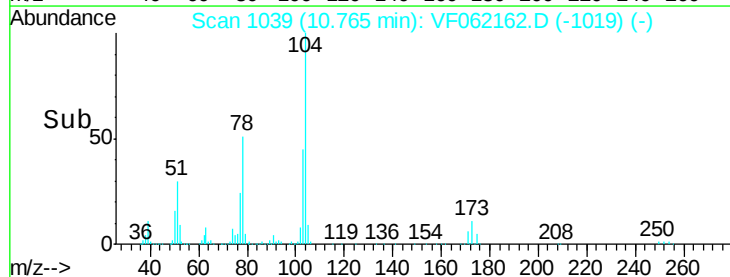
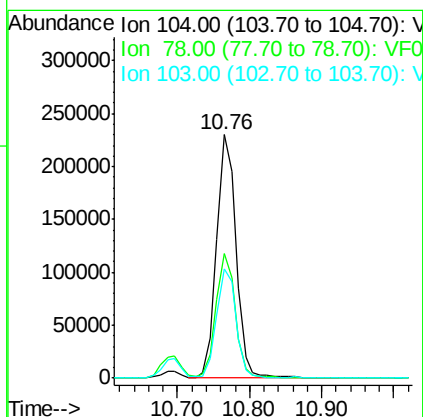
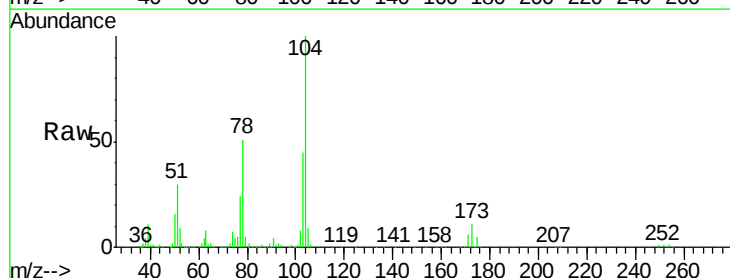
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

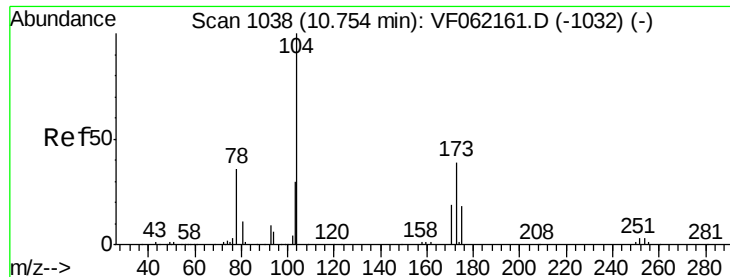
Tgt Ion:106 Resp: 288302
Ion Ratio Lower Upper
106 100
91 212.8 113.3 340.1



#70
Styrene
Concen: 73.730 ug/l
RT: 10.76 min Scan# 1039
Delta R.T. 0.00 min
Lab File: VF062162.D
Acq: 4 Apr 2019 17:35

Tgt Ion:104 Resp: 423910
Ion Ratio Lower Upper
104 100
78 51.4 43.1 64.7
103 44.7 37.0 55.6





#71

Bromoform

Concen: 81.541 ug/l

RT: 10.76 min Scan# 1038

Delta R.T. 0.00 min

Lab File: VF062162.D

Acq: 4 Apr 2019 17:35

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

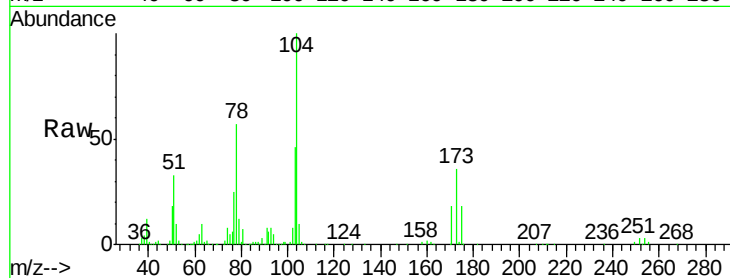
Tgt Ion:173 Resp: 93848

Ion Ratio Lower Upper

173 100

175 49.5 22.9 68.7

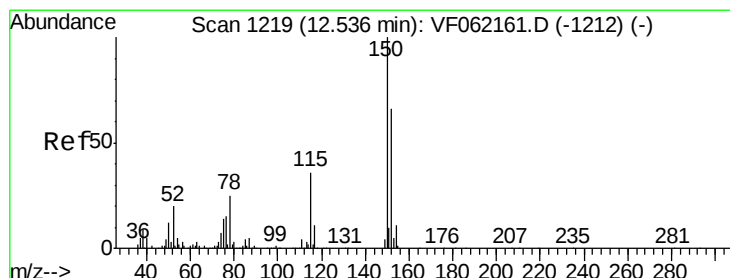
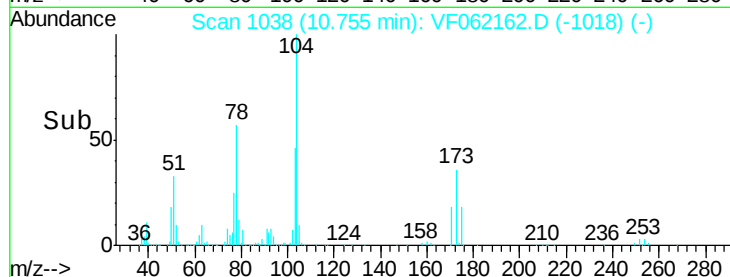
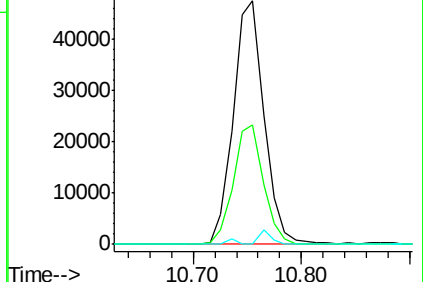
254 0.0 6.7 10.1#



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.54 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VF062162.D

Acq: 4 Apr 2019 17:35

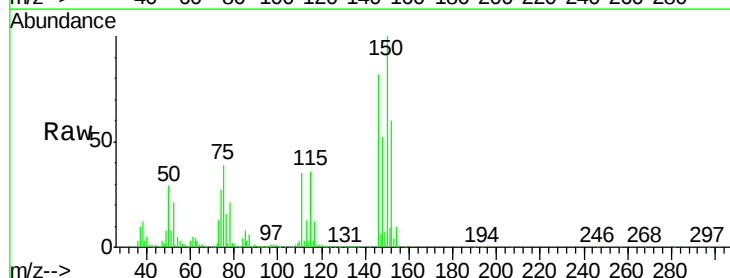
Tgt Ion:152 Resp: 145588

Ion Ratio Lower Upper

152 100

115 59.0 28.3 84.9

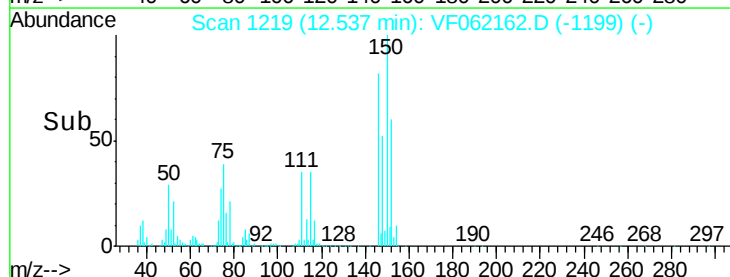
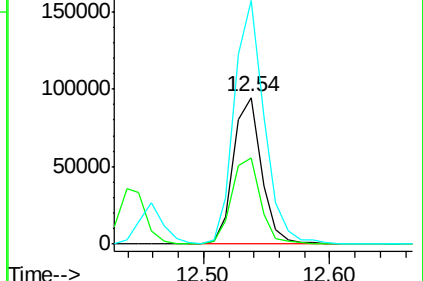
150 165.9 0.0 322.6

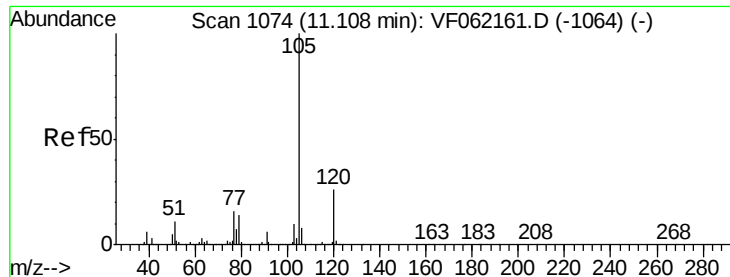


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 83.910 ug/l

RT: 11.10 min Scan# 1073

Delta R.T. -0.01 min

Lab File: VF062162.D

Acq: 4 Apr 2019 17:35

Instrument :

MSVOA_F

ClientSampleId :

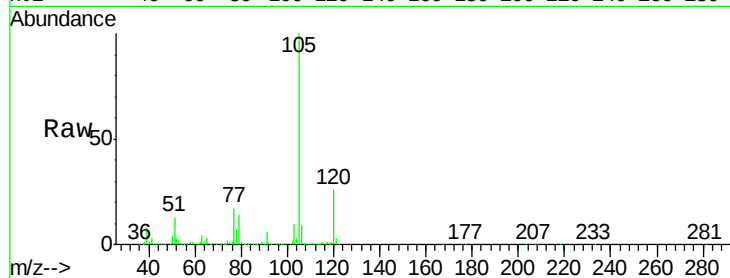
VSTDIC075

Tgt Ion: 105 Resp: 873362

Ion Ratio Lower Upper

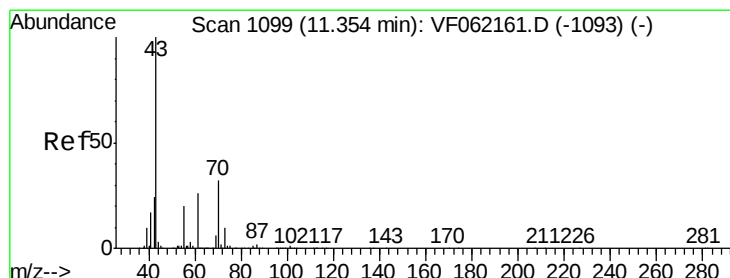
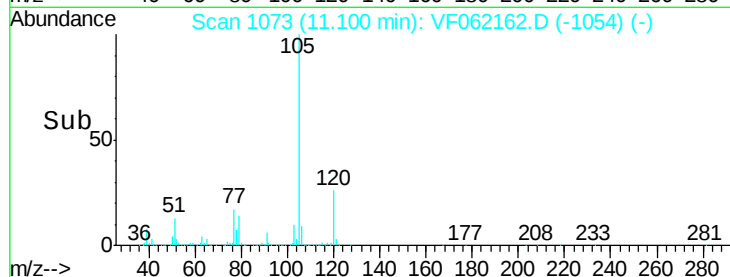
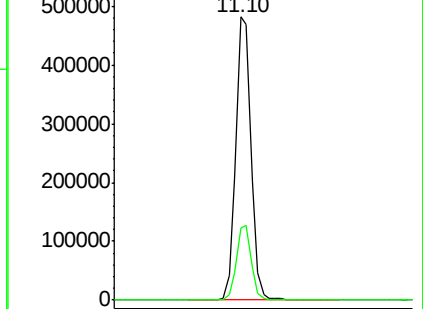
105 100

120 25.6 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 93.606 ug/l

RT: 11.36 min Scan# 1099

Delta R.T. 0.00 min

Lab File: VF062162.D

Acq: 4 Apr 2019 17:35

Tgt Ion: 43 Resp: 236380

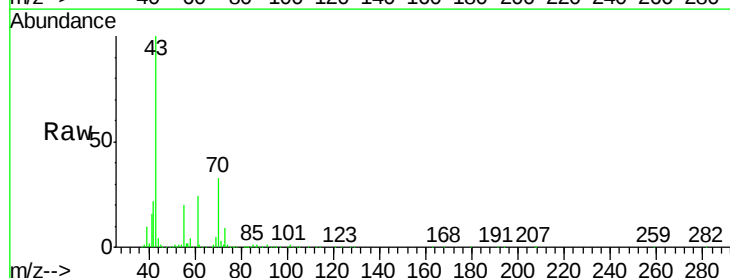
Ion Ratio Lower Upper

43 100

70 33.2 25.9 38.9

55 20.1 16.3 24.5

61 24.2 20.8 31.2

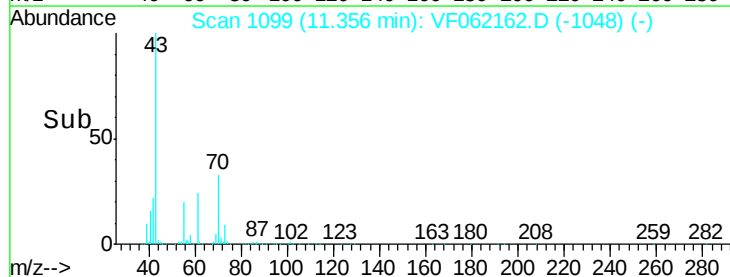
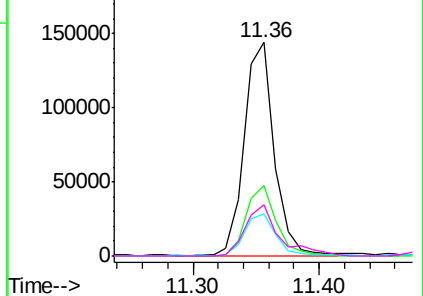


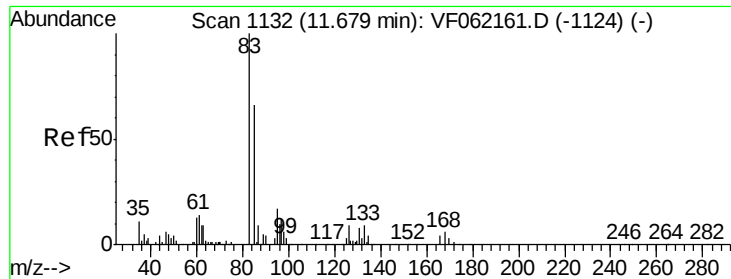
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 77.186 ug/l

RT: 11.68 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VF062162.D

Acq: 4 Apr 2019 17:35

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

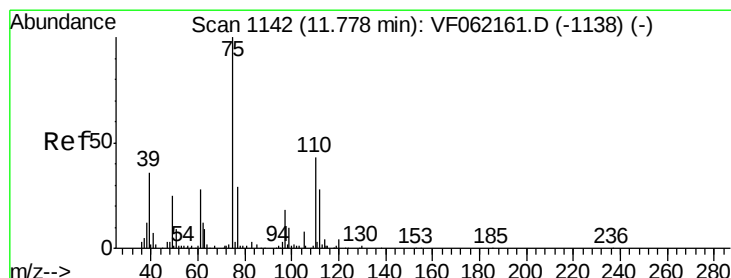
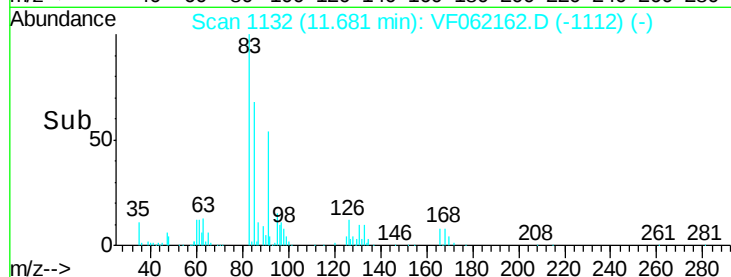
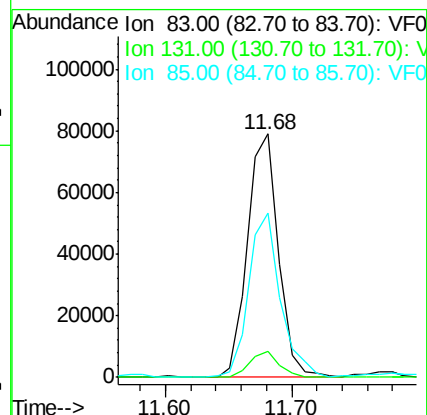
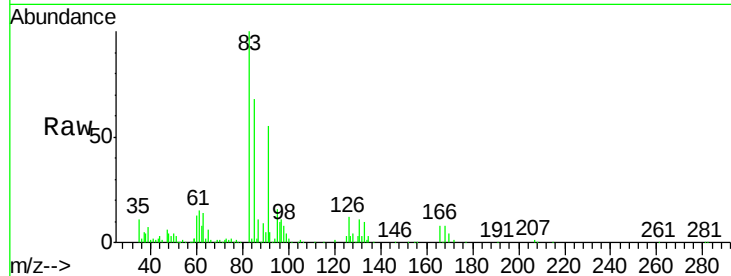
Tgt Ion: 83 Resp: 135020

Ion Ratio Lower Upper

83 100

131 10.6 4.3 12.8

85 67.6 33.1 99.2



#76

1,2,3-Trichloropropane

Concen: 83.342 ug/l

RT: 11.78 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VF062162.D

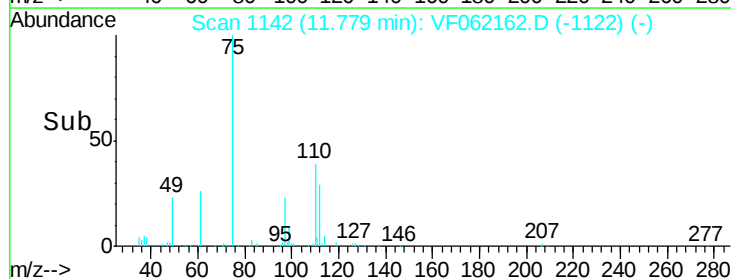
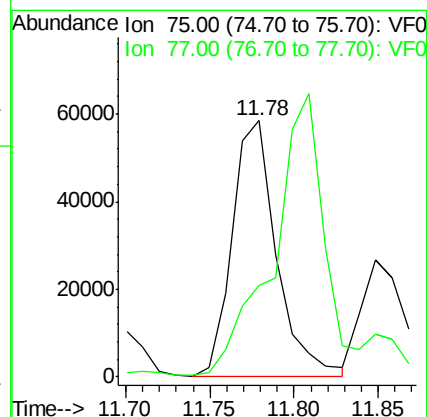
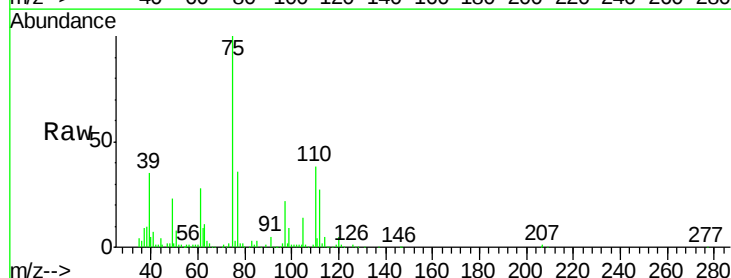
Acq: 4 Apr 2019 17:35

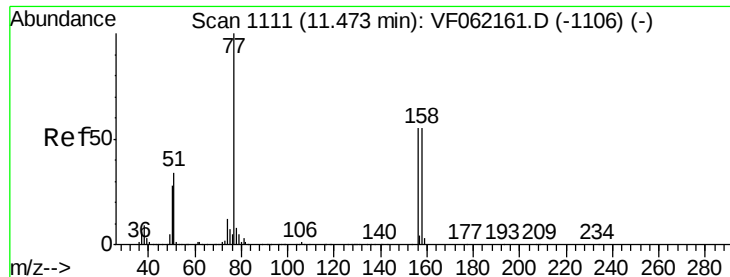
Tgt Ion: 75 Resp: 106111

Ion Ratio Lower Upper

75 100

77 35.7 15.0 45.0





#77

Bromobenzene

Concen: 71.327 ug/l

RT: 11.47 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VF062162.D

Acq: 4 Apr 2019 17:35

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

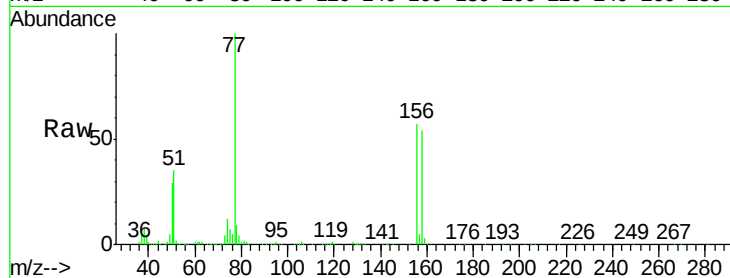
Tgt Ion:156 Resp: 178897

Ion Ratio Lower Upper

156 100

77 176.2 91.0 272.8

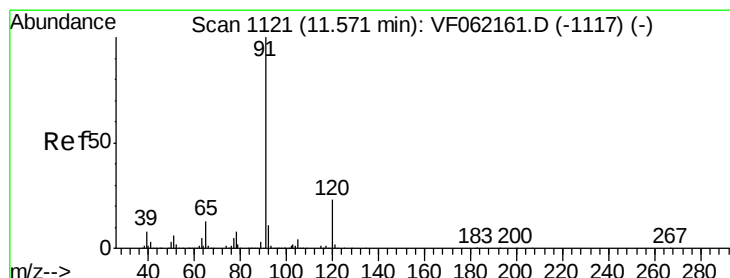
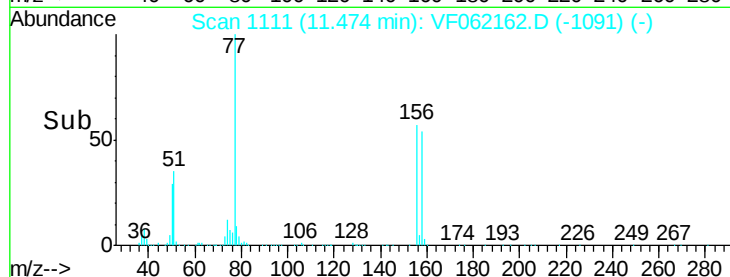
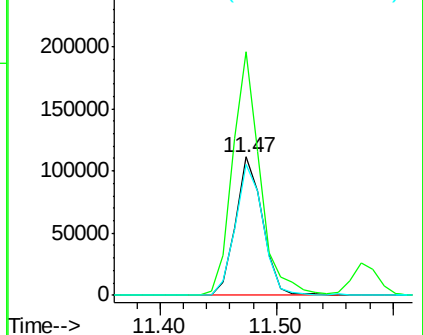
158 94.8 49.7 149.1



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 78.119 ug/l

RT: 11.57 min Scan# 1121

Delta R.T. 0.00 min

Lab File: VF062162.D

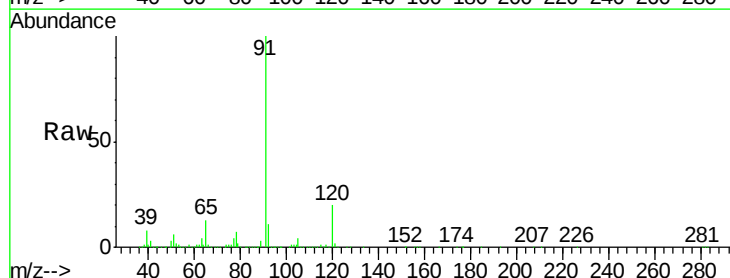
Acq: 4 Apr 2019 17:35

Tgt Ion: 91 Resp: 955811

Ion Ratio Lower Upper

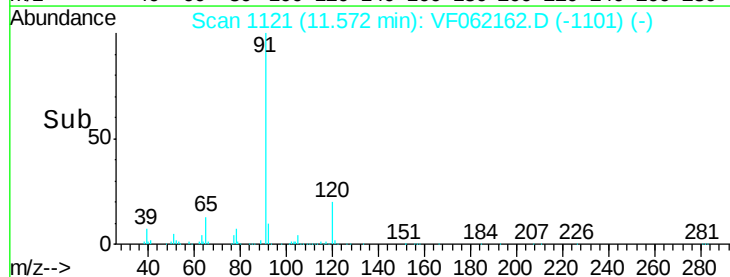
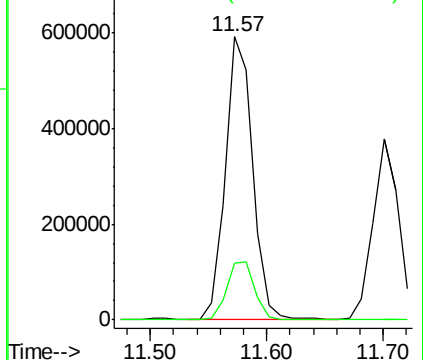
91 100

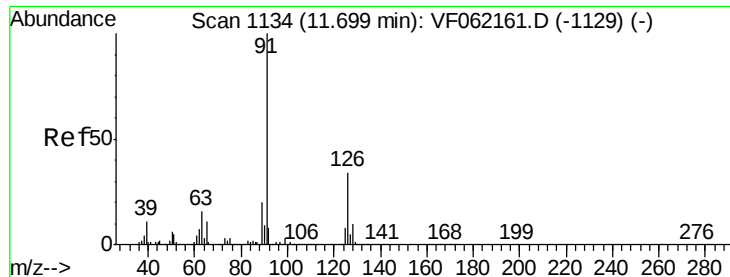
120 20.1 11.4 34.2



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 84.369 ug/l

RT: 11.70 min Scan# 1134

Delta R.T. 0.00 min

Lab File: VF062162.D

Acq: 4 Apr 2019 17:35

Instrument :

MSVOA_F

ClientSampleId :

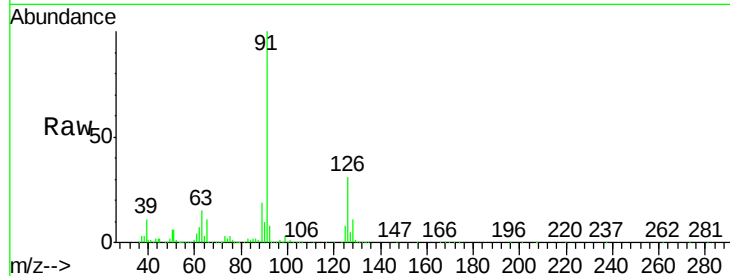
VSTDIC075

Tgt Ion: 91 Resp: 572173

Ion Ratio Lower Upper

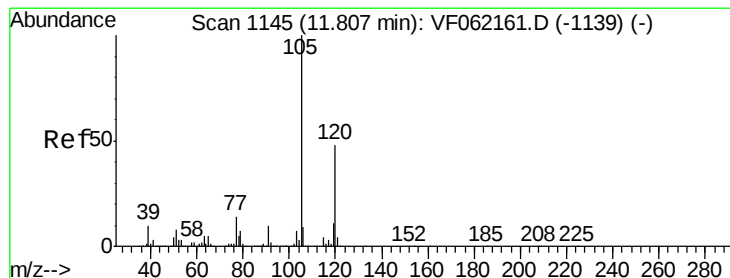
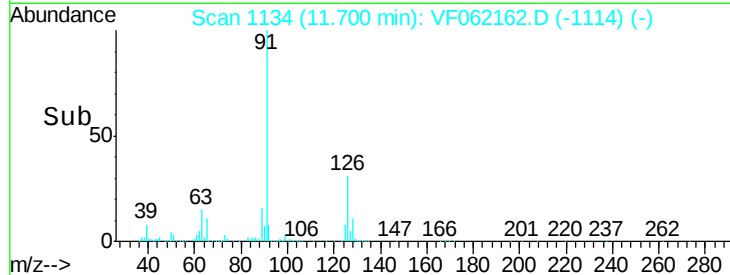
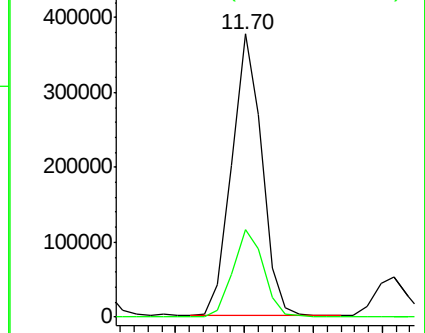
91 100

126 30.9 17.0 51.0



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



#80

1,3,5-Trimethylbenzene

Concen: 82.209 ug/l

RT: 11.81 min Scan# 1145

Delta R.T. 0.00 min

Lab File: VF062162.D

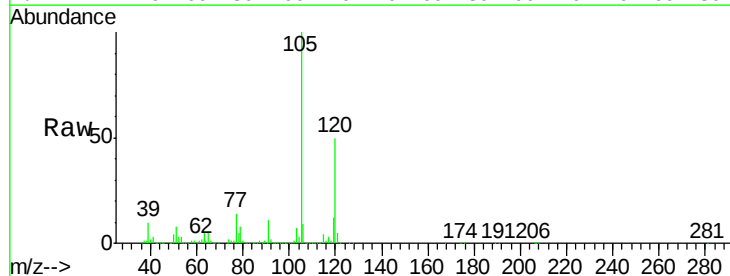
Acq: 4 Apr 2019 17:35

Tgt Ion: 105 Resp: 715400

Ion Ratio Lower Upper

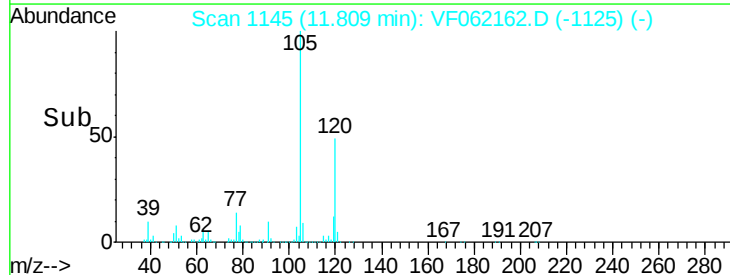
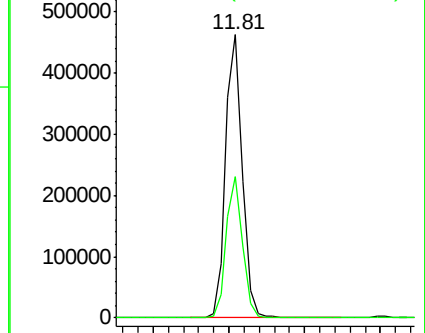
105 100

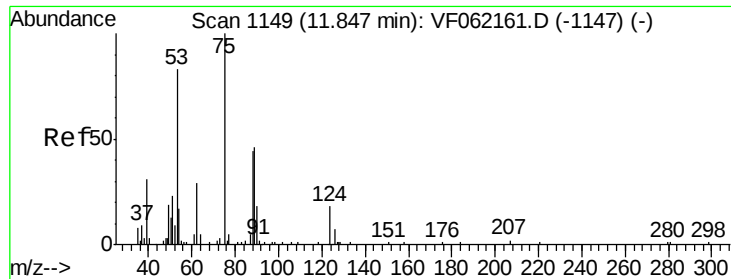
120 49.8 24.2 72.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 114.748 ug/l

RT: 11.85 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VF062162.D

Acq: 4 Apr 2019 17:35

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

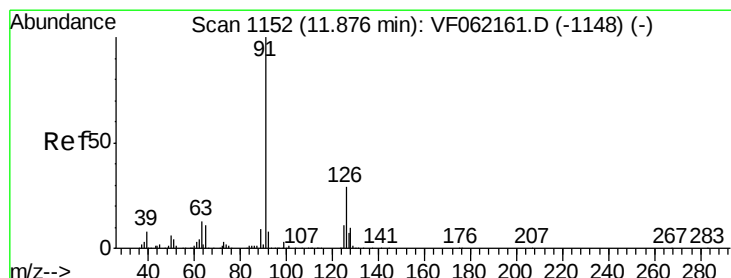
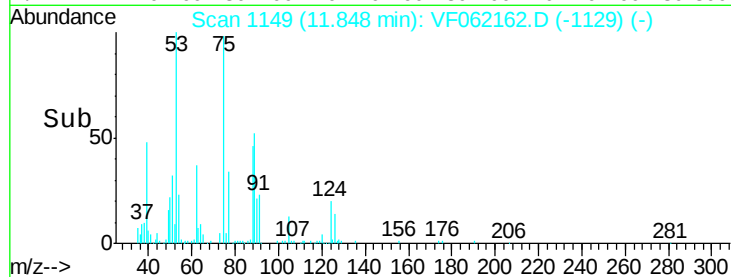
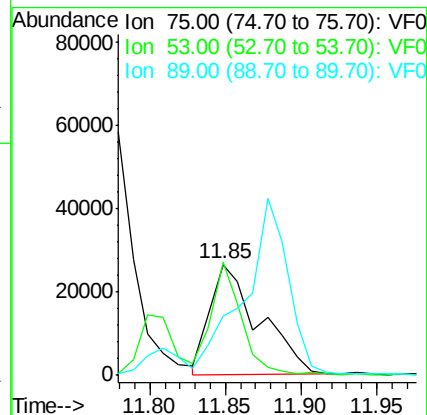
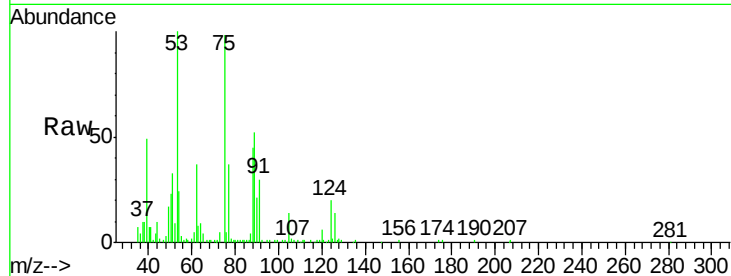
Tgt Ion: 75 Resp: 59939

Ion Ratio Lower Upper

75 100

53 101.6 71.4 107.0

89 53.0 37.9 56.9



#82

4-Chlorotoluene

Concen: 78.141 ug/l

RT: 11.88 min Scan# 1152

Delta R.T. 0.00 min

Lab File: VF062162.D

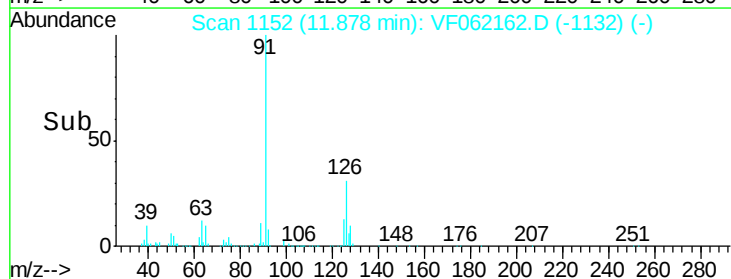
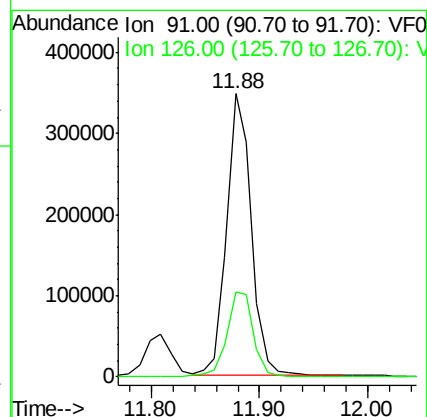
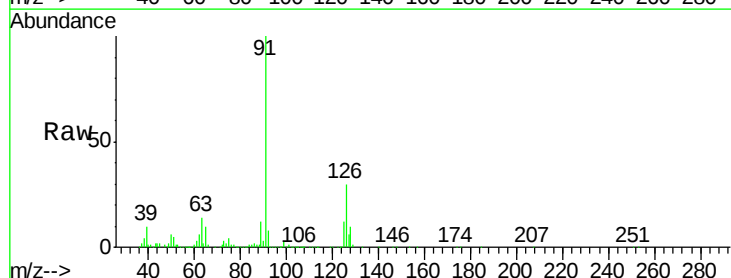
Acq: 4 Apr 2019 17:35

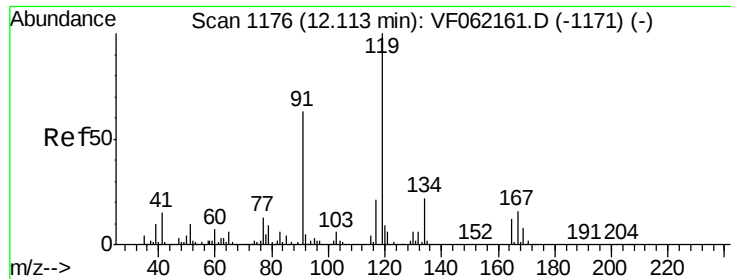
Tgt Ion: 91 Resp: 550098

Ion Ratio Lower Upper

91 100

126 29.9 14.2 42.8

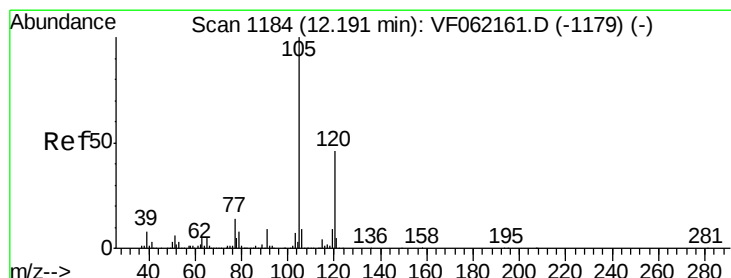
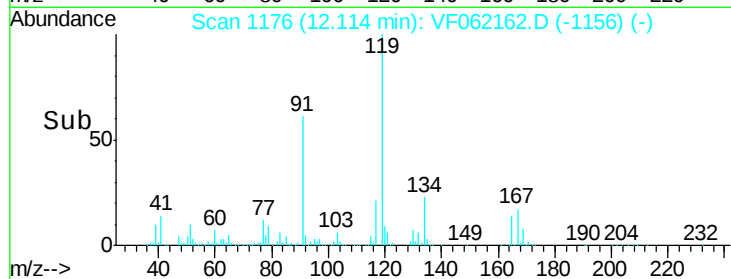
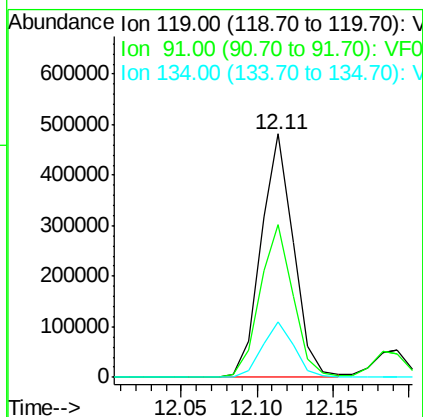
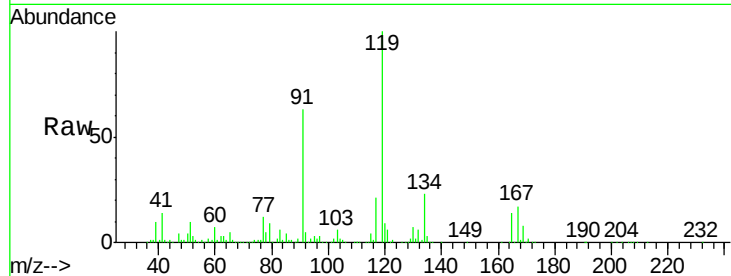




#83
 tert-Butylbenzene
 Concen: 79.834 ug/l
 RT: 12.11 min Scan# 1176
 Delta R.T. 0.00 min
 Lab File: VF062162.D
 Acq: 4 Apr 2019 17:35

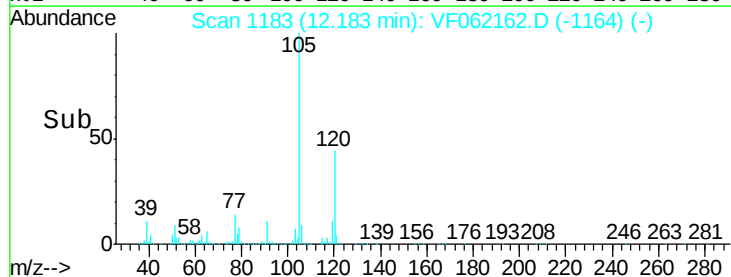
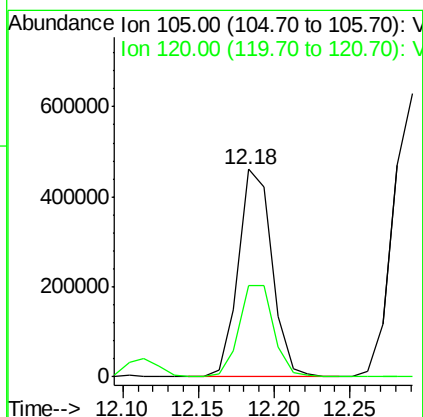
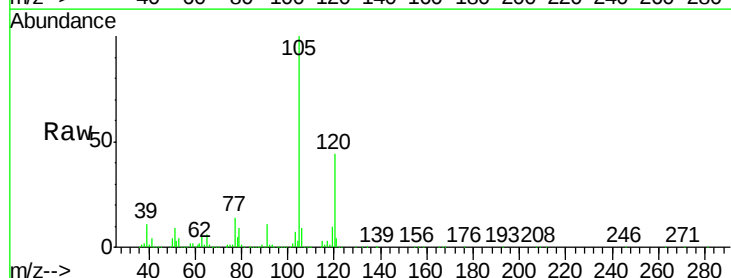
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

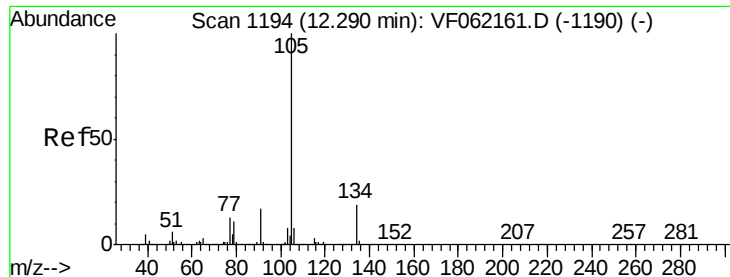
Tgt Ion:119 Resp: 720535
 Ion Ratio Lower Upper
 119 100
 91 62.8 31.6 94.7
 134 22.8 11.1 33.3



#84
 1,2,4-Trimethylbenzene
 Concen: 83.532 ug/l
 RT: 12.18 min Scan# 1183
 Delta R.T. -0.01 min
 Lab File: VF062162.D
 Acq: 4 Apr 2019 17:35

Tgt Ion:105 Resp: 710939
 Ion Ratio Lower Upper
 105 100
 120 43.9 22.9 68.5





#85

sec-Butylbenzene

Concen: 79.896 ug/l

RT: 12.29 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VF062162.D

Acq: 4 Apr 2019 17:35

Instrument :

MSVOA_F

ClientSampleId :

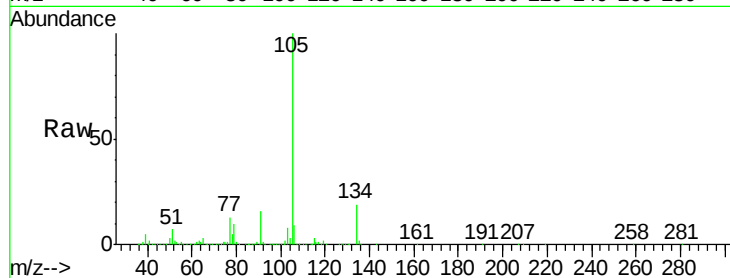
VSTDIC075

Tgt Ion:105 Resp: 928971

Ion Ratio Lower Upper

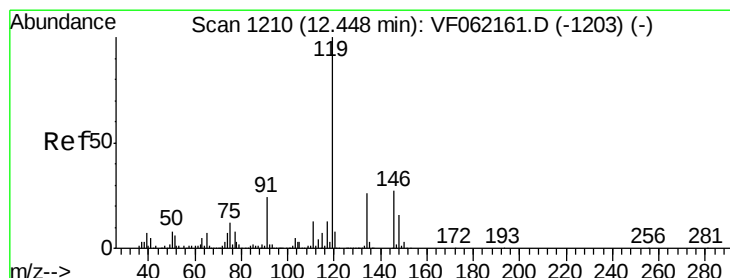
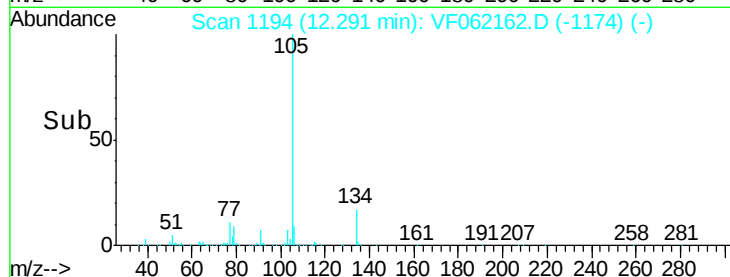
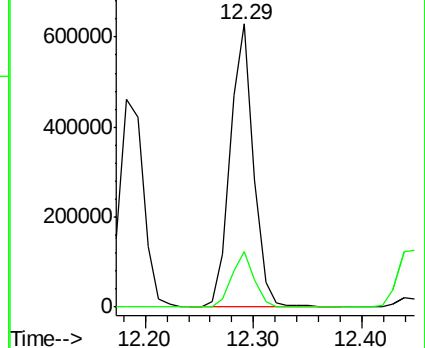
105 100

134 19.5 9.3 28.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 79.115 ug/l

RT: 12.44 min Scan# 1209

Delta R.T. -0.01 min

Lab File: VF062162.D

Acq: 4 Apr 2019 17:35

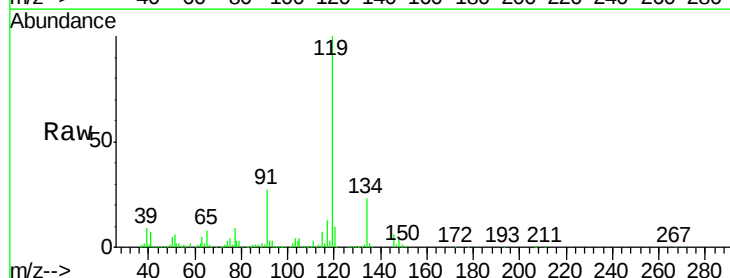
Tgt Ion:119 Resp: 810695

Ion Ratio Lower Upper

119 100

134 23.3 13.2 39.5

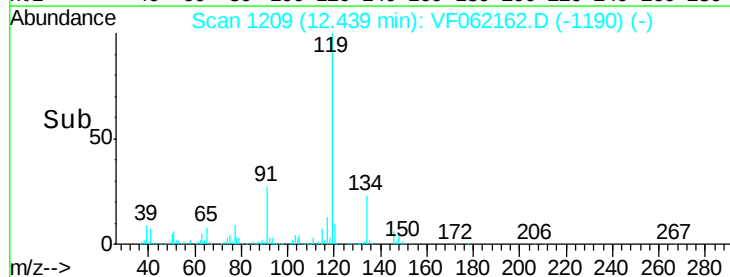
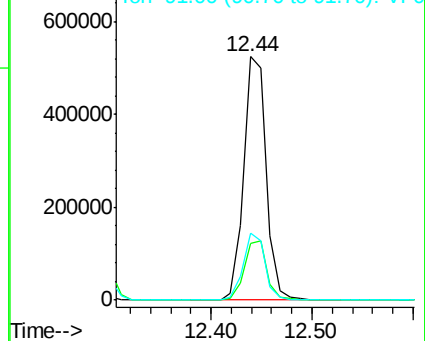
91 27.3 12.0 36.0

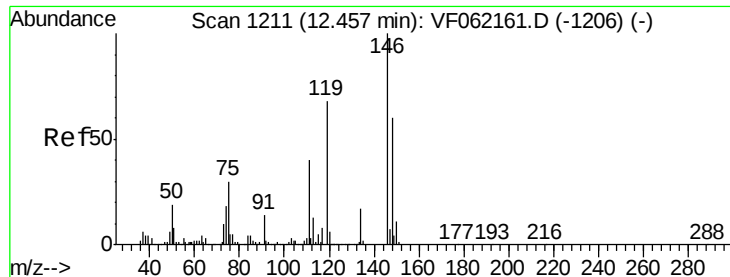


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

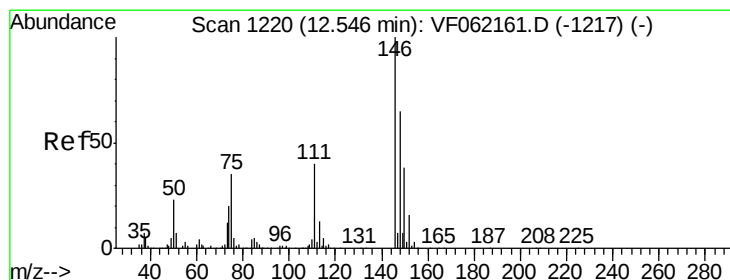
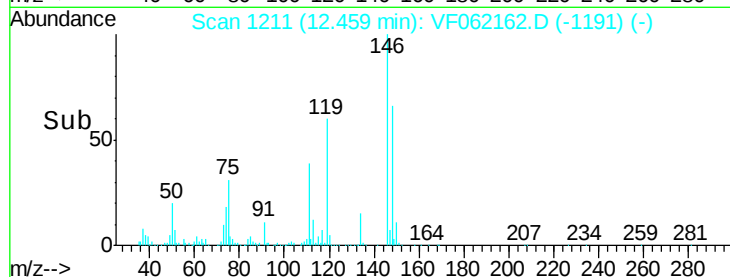
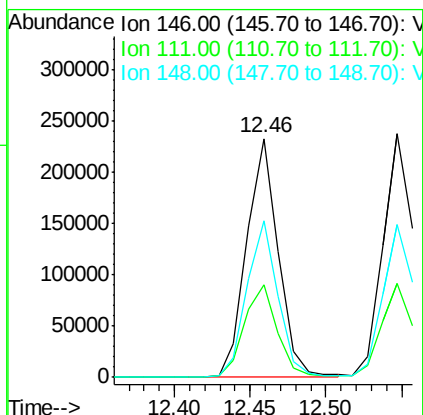
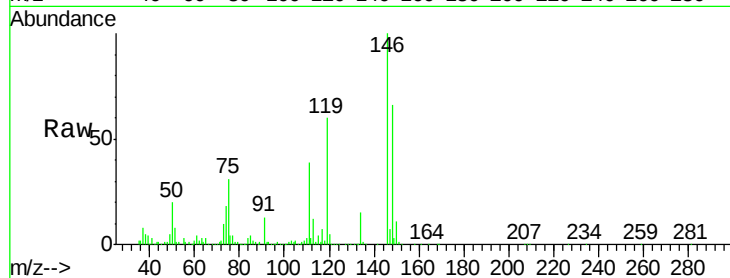




#87
 1,3-Dichlorobenzene
 Concen: 71.689 ug/l
 RT: 12.46 min Scan# 1211
 Delta R.T. 0.00 min
 Lab File: VF062162.D
 Acq: 4 Apr 2019 17:35

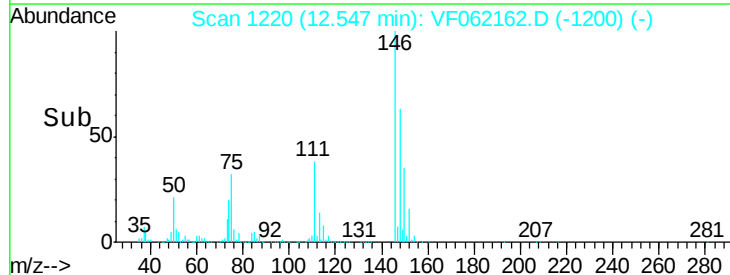
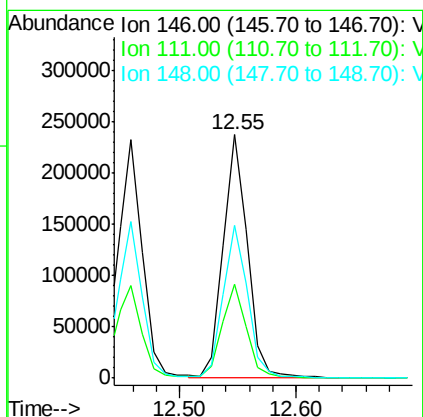
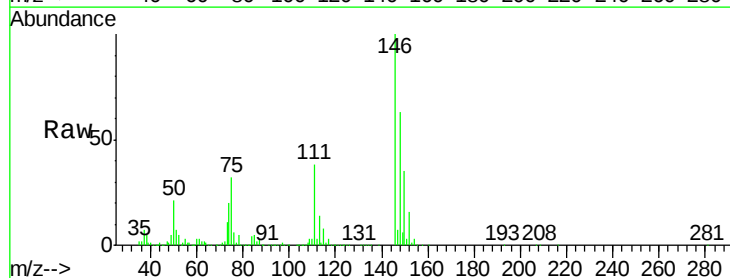
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

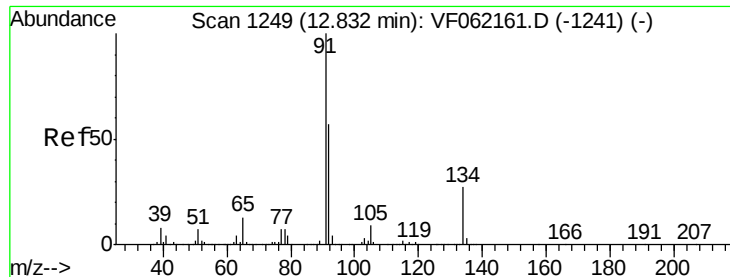
Tgt Ion:146 Resp: 339311
 Ion Ratio Lower Upper
 146 100
 111 38.6 19.9 59.6
 148 65.9 30.0 90.0



#88
 1,4-Dichlorobenzene
 Concen: 75.161 ug/l
 RT: 12.55 min Scan# 1220
 Delta R.T. 0.00 min
 Lab File: VF062162.D
 Acq: 4 Apr 2019 17:35

Tgt Ion:146 Resp: 342757
 Ion Ratio Lower Upper
 146 100
 111 38.4 20.1 60.2
 148 62.8 32.5 97.4





#89

n-Butylbenzene

Concen: 78.992 ug/l

RT: 12.82 min Scan# 1248

Delta R.T. -0.01 min

Lab File: VF062162.D

Acq: 4 Apr 2019 17:35

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

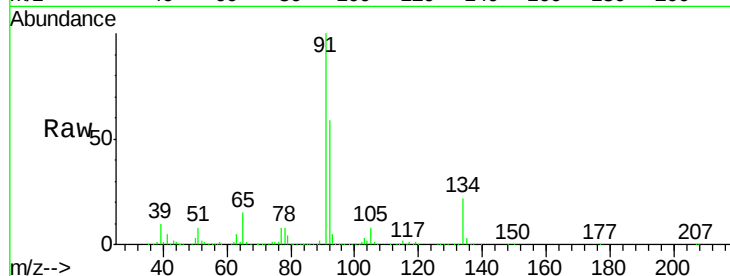
Tgt Ion: 91 Resp: 767808

Ion Ratio Lower Upper

91 100

92 58.8 28.3 85.0

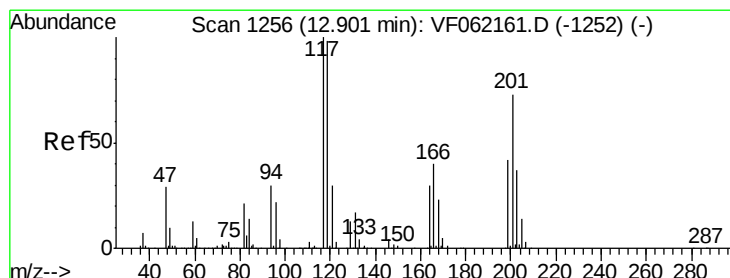
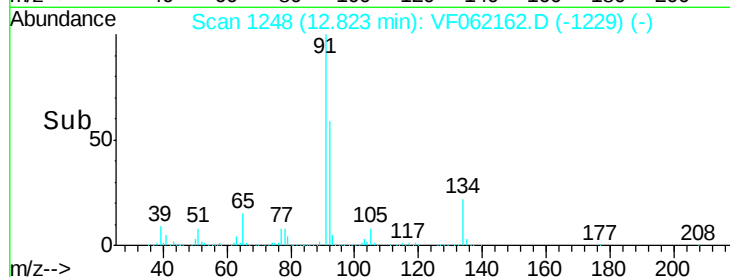
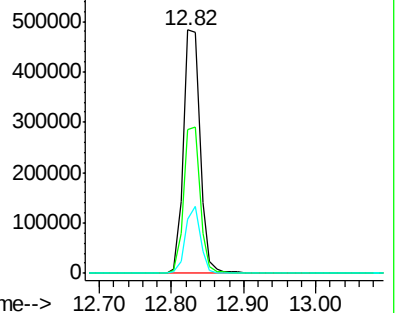
134 22.1 13.6 40.8



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: 80.841 ug/l

RT: 12.90 min Scan# 1256

Delta R.T. 0.00 min

Lab File: VF062162.D

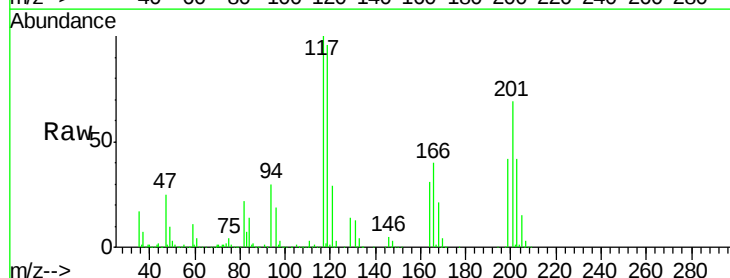
Acq: 4 Apr 2019 17:35

Tgt Ion: 117 Resp: 193399

Ion Ratio Lower Upper

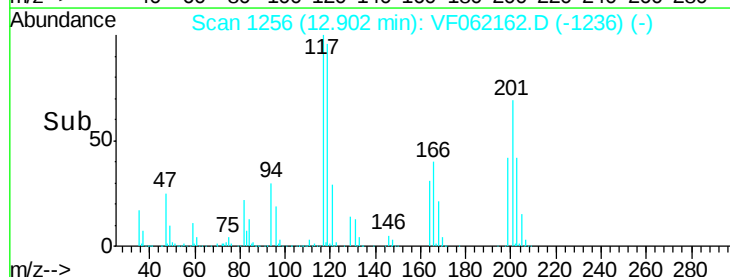
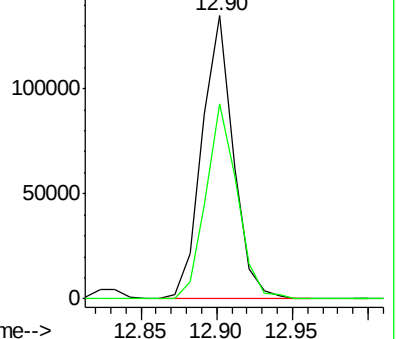
117 100

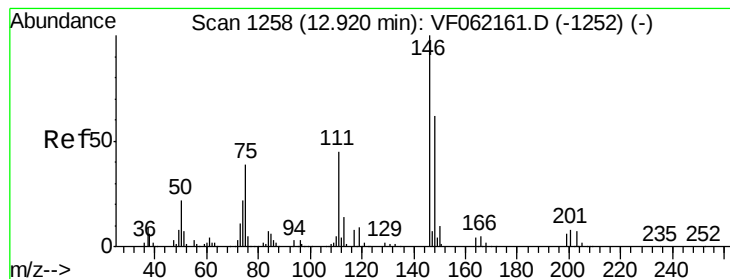
201 68.9 36.8 110.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V





#91

1,2-Dichlorobenzene

Concen: 71.959 ug/l

RT: 12.92 min Scan# 1258

Delta R.T. 0.00 min

Lab File: VF062162.D

Acq: 4 Apr 2019 17:35

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

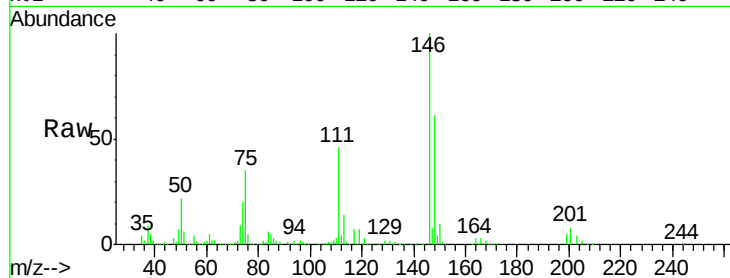
Tgt Ion: 146 Resp: 315502

Ion Ratio Lower Upper

146 100

111 46.1 22.4 67.0

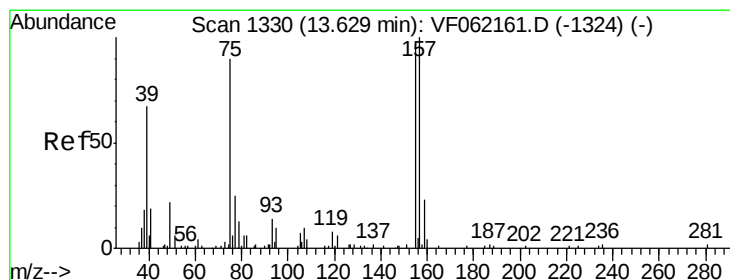
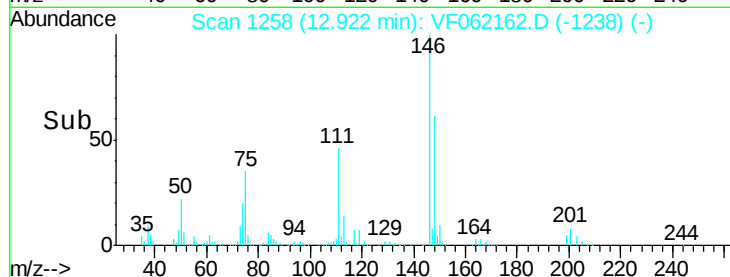
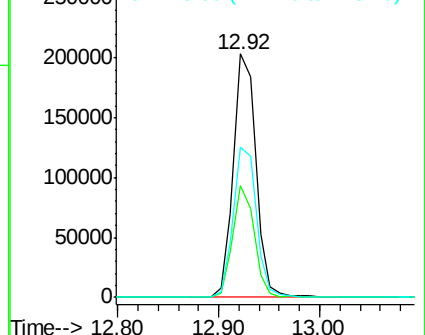
148 61.5 30.9 92.7



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 101.623 ug/l

RT: 13.62 min Scan# 1329

Delta R.T. -0.01 min

Lab File: VF062162.D

Acq: 4 Apr 2019 17:35

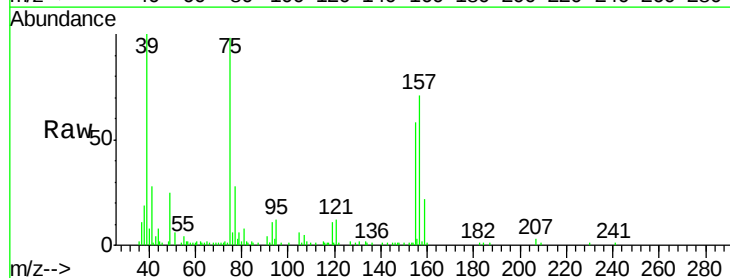
Tgt Ion: 75 Resp: 28281

Ion Ratio Lower Upper

75 100

155 59.7 52.8 158.3

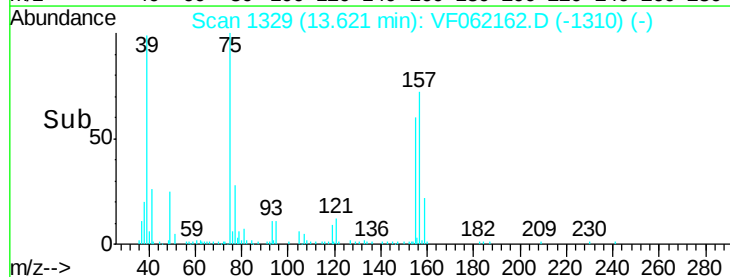
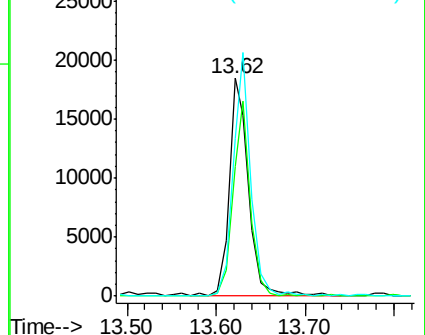
157 72.4 55.7 167.1

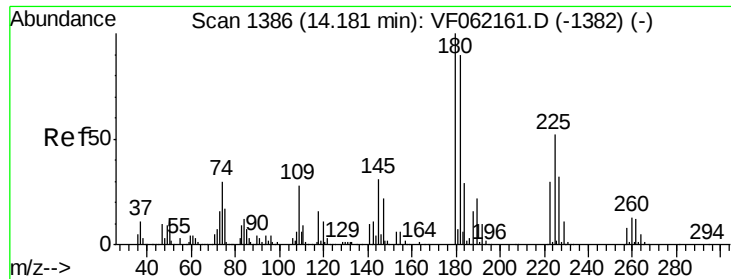


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

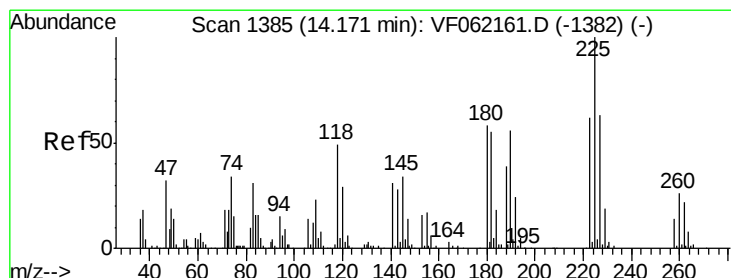
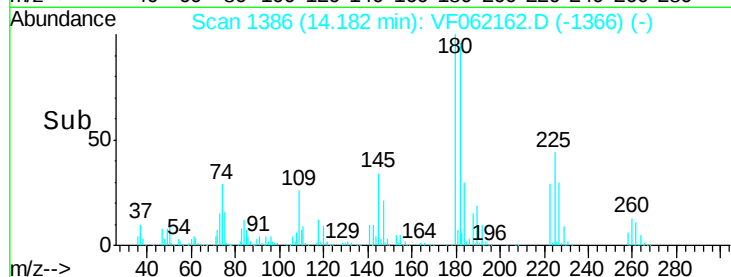
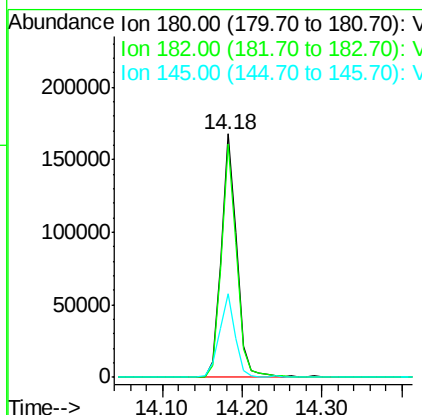
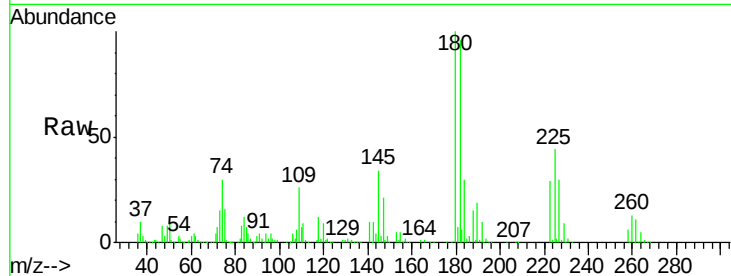




#93
 1,2,4-Trichlorobenzene
 Concen: 75.217 ug/l
 RT: 14.18 min Scan# 1386
 Delta R.T. 0.00 min
 Lab File: VF062162.D
 Acq: 4 Apr 2019 17:35

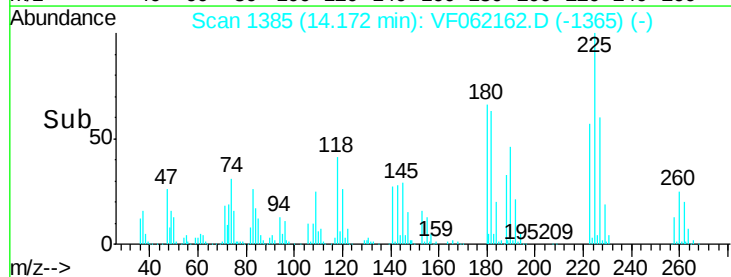
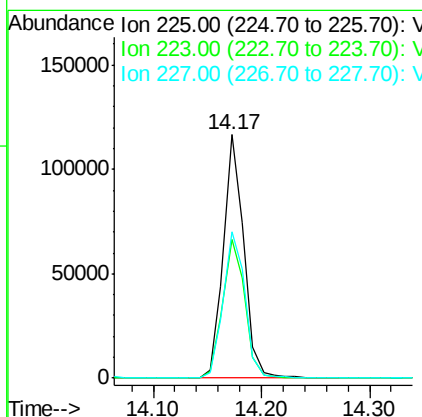
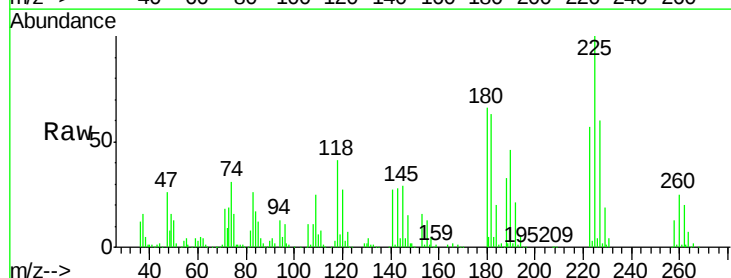
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

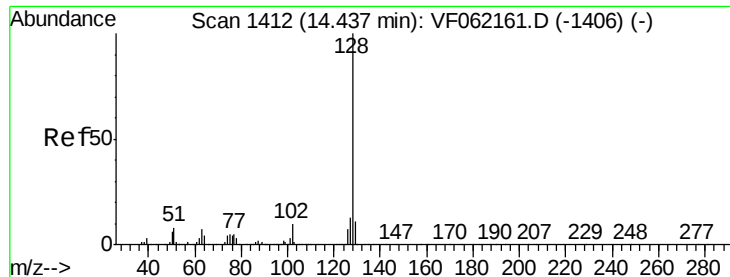
Tgt Ion:180 Resp: 232288
 Ion Ratio Lower Upper
 180 100
 182 96.1 45.1 135.2
 145 34.4 15.4 46.4



#94
 Hexachlorobutadiene
 Concen: 75.320 ug/l
 RT: 14.17 min Scan# 1385
 Delta R.T. 0.00 min
 Lab File: VF062162.D
 Acq: 4 Apr 2019 17:35

Tgt Ion:225 Resp: 153648
 Ion Ratio Lower Upper
 225 100
 223 56.9 31.0 93.0
 227 59.9 32.8 98.3

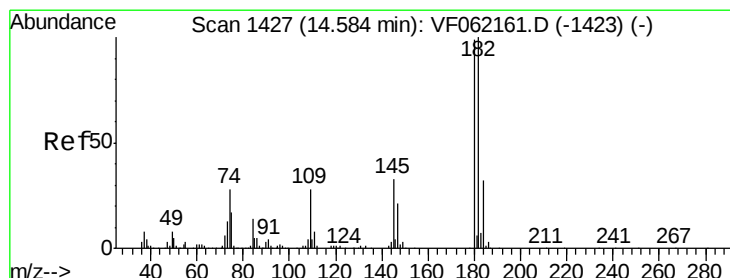
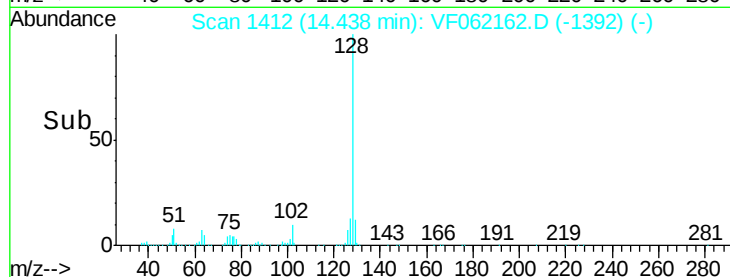
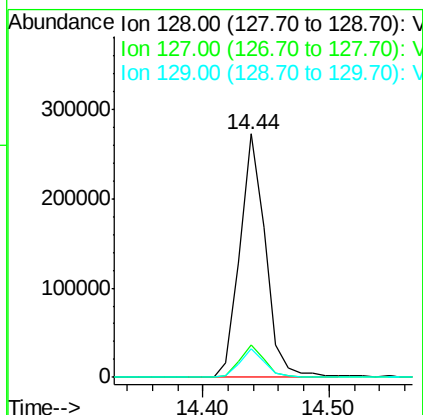
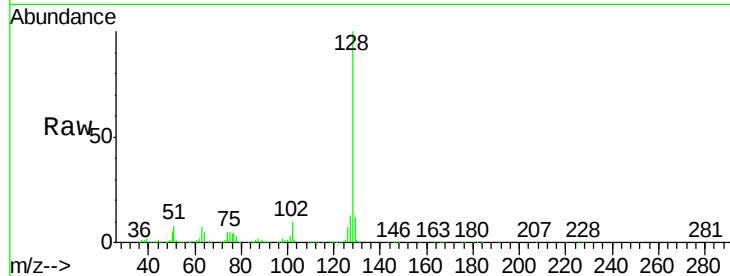




#95
Naphthalene
Concen: 72.190 ug/l
RT: 14.44 min Scan# 1412
Delta R.T. 0.00 min
Lab File: VF062162.D
Acq: 4 Apr 2019 17:35

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tgt Ion:128 Resp: 381432
Ion Ratio Lower Upper
128 100
127 13.4 10.2 15.2
129 11.8 8.4 12.6



#96
1,2,3-Trichlorobenzene
Concen: 75.906 ug/l
RT: 14.59 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VF062162.D
Acq: 4 Apr 2019 17:35

Tgt Ion:180 Resp: 214945
Ion Ratio Lower Upper
180 100
182 96.9 50.4 151.2
145 29.5 16.7 50.1

