

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF021519\
 Data File : VF061649.D
 Acq On : 15 Feb 2019 11:05
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Quant Time: Feb 16 05:24:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 03:27:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	357142	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.61	114	519035	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.79	117	444199	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	237296	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.86	65	124004	47.35	ug/l	0.00
Spiked Amount						
			Recovery	=	94.70%	
35) Dibromofluoromethane	4.13	113	181758	47.16	ug/l	0.00
Spiked Amount						
			Recovery	=	94.32%	
50) Toluene-d8	7.57	98	566044	51.09	ug/l	0.00
Spiked Amount						
			Recovery	=	102.18%	
62) 4-Bromofluorobenzene	11.42	95	207307	46.24	ug/l	0.00
Spiked Amount						
			Recovery	=	92.48%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.96	85	182337	44.457	ug/l	99
3) Chloromethane	1.09	50	197735	45.950	ug/l	99
4) Vinyl Chloride	1.14	62	186781	46.690	ug/l	99
5) Bromomethane	1.32	94	130864	47.531	ug/l	96
6) Chloroethane	1.40	64	93911	47.635	ug/l	94
7) Trichlorofluoromethane	1.48	101	189445m	39.263	ug/l	
8) Diethyl Ether	1.63	74	53706	44.168	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	1.84	101	155122	44.565	ug/l	99
10) Methyl Iodide	1.92	142	232350	34.945	ug/l	99
11) Tert butyl alcohol	2.58	59	30391	200.508	ug/l	96
12) 1,1-Dichloroethene	1.80	96	141725	46.310	ug/l	96
13) Acrolein	2.01	56	50892	267.155	ug/l	99
14) Allyl chloride	2.11	41	159048	42.352	ug/l	97
15) Acrylonitrile	2.94	53	108871	202.504	ug/l	99
16) Acetone	2.24	43	137683	245.025	ug/l	97
17) Carbon Disulfide	1.83	76	390749m	40.620	ug/l	
18) Methyl Acetate	2.35	43	54131	42.762	ug/l	98
19) Methyl tert-butyl Ether	2.44	73	236138	45.148	ug/l	99
20) Methylene Chloride	2.18	84	137897m	45.574	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	152282	45.774	ug/l	100
22) Diisopropyl ether	2.81	45	397806	44.129	ug/l	99
23) Vinyl Acetate	3.20	43	958533	217.702	ug/l	99
24) 1,1-Dichloroethane	2.88	63	234856	43.051	ug/l	99
25) 2-Butanone	4.34	43	280064	228.177	ug/l	96
26) 2,2-Dichloropropane	3.60	77	109658	47.456	ug/l	96
27) cis-1,2-Dichloroethene	3.49	96	194684	44.584	ug/l	96
28) Bromochloromethane	3.72	49	110513	42.221	ug/l	90
29) Tetrahydrofuran	4.09	42	109607	196.477	ug/l	98
30) Chloroform	3.87	83	285923	46.088	ug/l	97
31) Cyclohexane	3.69	56	269802m	45.686	ug/l	
32) 1,1,1-Trichloroethane	4.11	97	162824	40.066	ug/l	99
36) 1,1-Dichloropropene	4.30	75	241676	47.003	ug/l	93
37) Ethyl Acetate	4.13	43	93480	39.143	ug/l	91
38) Carbon Tetrachloride	4.00	117	169065	47.619	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.47	83	303432	49.900	ug/l	99
40) Benzene	4.64	78	653389	48.583	ug/l	100
41) Methacrylonitrile	4.76	41	48975	40.100	ug/l	96
42) 1,2-Dichloroethane	4.96	62	143329	44.553	ug/l	97
43) Isopropyl Acetate	6.97	43	135206	47.829	ug/l	93
44) Trichloroethene	5.52	130	210082	48.305	ug/l	95
45) 1,2-Dichloropropane	6.25	63	152678	46.966	ug/l	92
46) Dibromomethane	6.10	93	96476	48.200	ug/l	95
47) Bromodichloromethane	6.40	83	209594	47.818	ug/l	99
48) Methyl methacrylate	6.73	41	69251	40.708	ug/l	96
49) 1,4-Dioxane	6.72	88	13807	863.375	ug/l	95
51) 4-Methyl-2-Pentanone	8.27	43	431127	213.442	ug/l	99
52) Toluene	7.64	92	379538	46.532	ug/l	94
53) t-1,3-Dichloropropene	8.29	75	172094	47.175	ug/l	99
54) cis-1,3-Dichloropropene	7.31	75	237947	48.970	ug/l	99
55) 1,1,2-Trichloroethane	8.51	97	110544	46.128	ug/l	95
56) Ethyl methacrylate	8.63	69	116623	43.710	ug/l	95
57) 1,3-Dichloropropane	8.86	76	185226	46.306	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.30	63	86938	188.853	ug/l	96
59) 2-Hexanone	9.50	43	303825	214.583	ug/l	98
60) Dibromochloromethane	8.73	129	152852	45.825	ug/l	99
61) 1,2-Dibromoethane	9.00	107	117657	45.265	ug/l	99
64) Tetrachloroethene	8.16	164	177397	48.859	ug/l	97
65) Chlorobenzene	9.81	112	439908	48.804	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.95	131	172273	48.774	ug/l	98
67) Ethyl Benzene	9.92	91	718120	47.907	ug/l	96
68) m/p-Xylenes	10.14	106	526598	91.793	ug/l	95
69) o-Xylene	10.72	106	300569	49.101	ug/l	99
70) Styrene	10.80	104	395356	45.653	ug/l	96
71) Bromoform	10.78	173	85394	44.523	ug/l	100
73) Isopropylbenzene	11.14	105	851009	50.370	ug/l	97
74) N-amyl acetate	11.38	43	187833	46.319	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.70	83	131817	43.550	ug/l	96
76) 1,2,3-Trichloropropane	11.80	75	86538	42.052	ug/l	99
77) Bromobenzene	11.50	156	204494	48.994	ug/l	94
78) n-propylbenzene	11.60	91	915613	47.227	ug/l	99
79) 2-Chlorotoluene	11.73	91	526157	48.458	ug/l	96
80) 1,3,5-Trimethylbenzene	11.83	105	671838	49.754	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.88	75	45065m	45.678	ug/l	
82) 4-Chlorotoluene	11.91	91	512754	45.497	ug/l	99
83) tert-Butylbenzene	12.13	119	730873	48.868	ug/l	98
84) 1,2,4-Trimethylbenzene	12.21	105	669192	49.883	ug/l	99
85) sec-Butylbenzene	12.31	105	964149	49.851	ug/l	98
86) p-Isopropyltoluene	12.47	119	804009	49.534	ug/l	97
87) 1,3-Dichlorobenzene	12.48	146	382908	47.058	ug/l	98
88) 1,4-Dichlorobenzene	12.58	146	374407	47.845	ug/l	97
89) n-Butylbenzene	12.85	91	761139	49.659	ug/l	95
90) Hexachloroethane	12.92	117	195983	51.916	ug/l	89
91) 1,2-Dichlorobenzene	12.95	146	353121	45.626	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.65	75	21556	44.918	ug/l	58

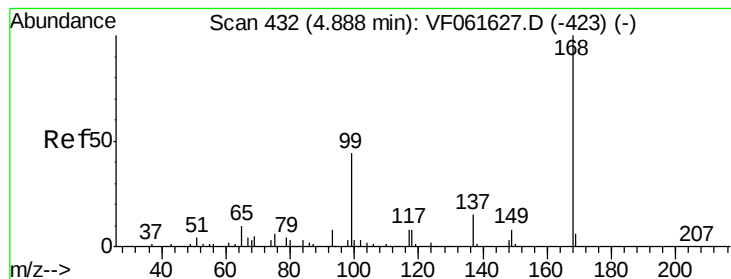
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF021519\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	265627	47.882	ug/l	97
94) Hexachlorobutadiene	14.20	225	170290	49.703	ug/l	97
95) Naphthalene	14.46	128	468781	48.298	ug/l	99
96) 1,2,3-Trichlorobenzene	14.61	180	252188	49.529	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.88 min Scan# 431

Delta R.T. -0.01 min

Lab File: VF061649.D

Acq: 15 Feb 2019 11:05

Instrument :

MSVOA_F

ClientSampleId :

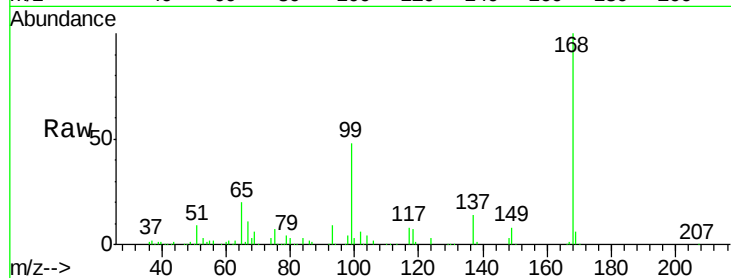
VSTDCCC050

Tot Ion:168 Resp: 357142

Ion Ratio Lower Upper

168 100

99 48.1 34.9 52.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.88

120000

100000

80000

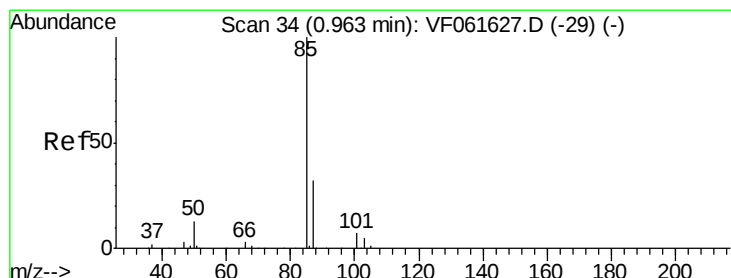
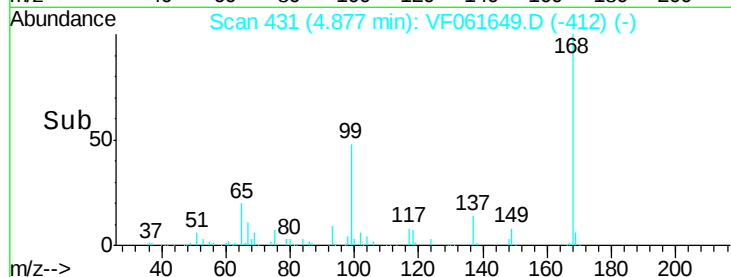
60000

40000

20000

0

Time--> 4.70 4.80 4.90 5.00



#2

Dichlorodifluoromethane

Concen: 44.457 ug/l

RT: 0.96 min Scan# 34

Delta R.T. -0.00 min

Lab File: VF061649.D

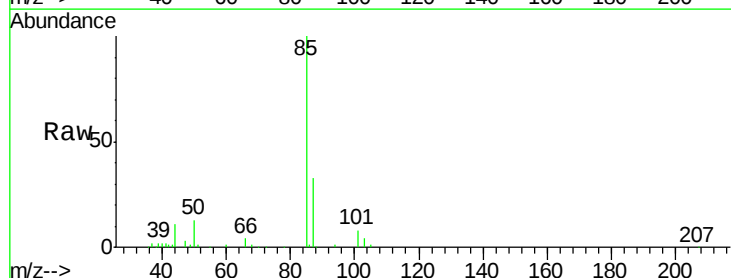
Acq: 15 Feb 2019 11:05

Tgt Ion: 85 Resp: 182337

Ion Ratio Lower Upper

85 100

87 32.6 16.1 48.2



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

50000

40000

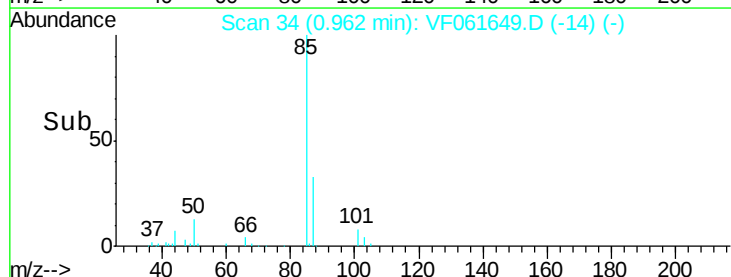
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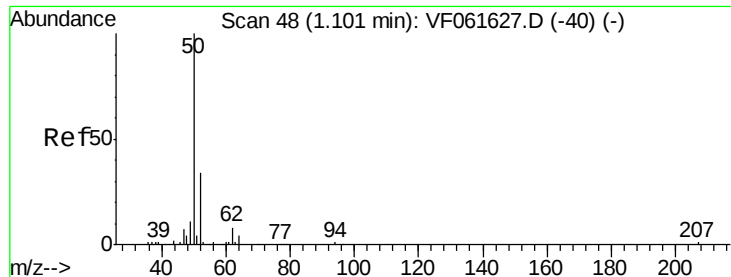
20000

10000

0

Time--> 0.80 0.90 1.00 1.10





#3

Chloromethane

Concen: 45.950 ug/l

RT: 1.09 min Scan# 47

Delta R.T. -0.01 min

Lab File: VF061649.D

Acq: 15 Feb 2019 11:05

Instrument :

MSVOA_F

ClientSampleId :

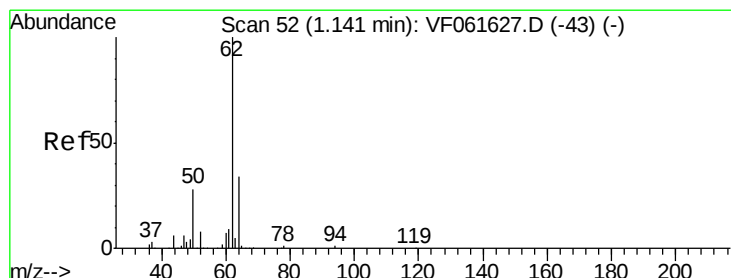
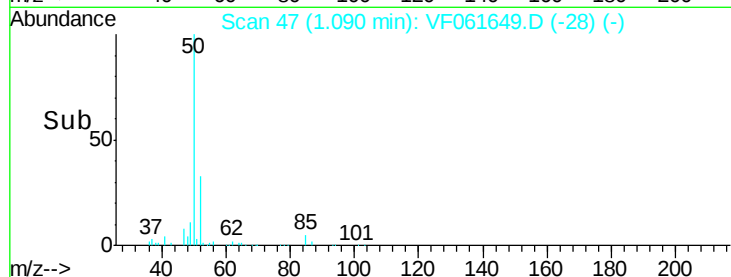
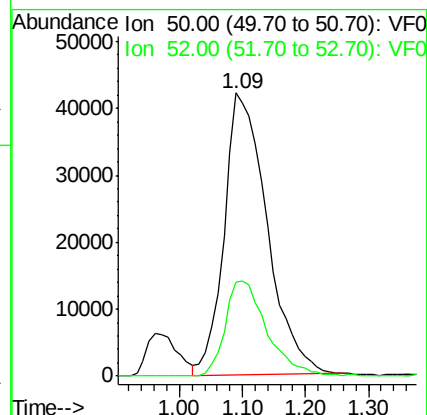
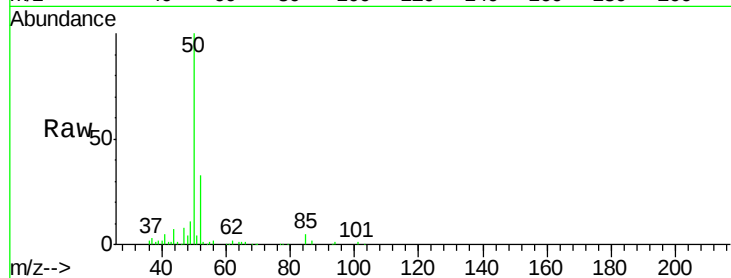
VSTDCCC050

Tot Ion: 50 Resp: 197735

Ion Ratio Lower Upper

50 100

52 33.3 26.2 39.4



#4

Vinyl Chloride

Concen: 46.690 ug/l

RT: 1.14 min Scan# 52

Delta R.T. -0.00 min

Lab File: VF061649.D

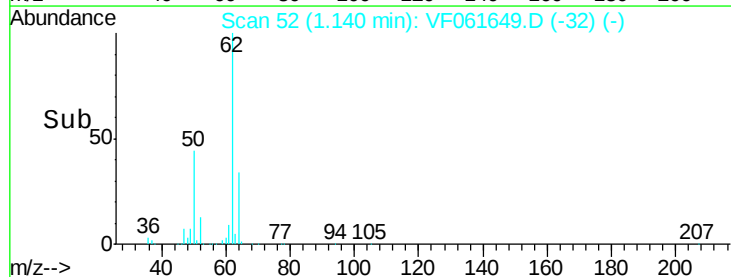
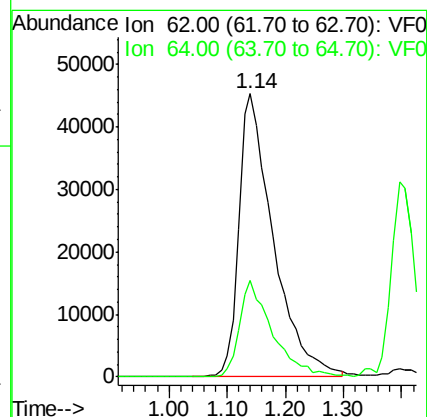
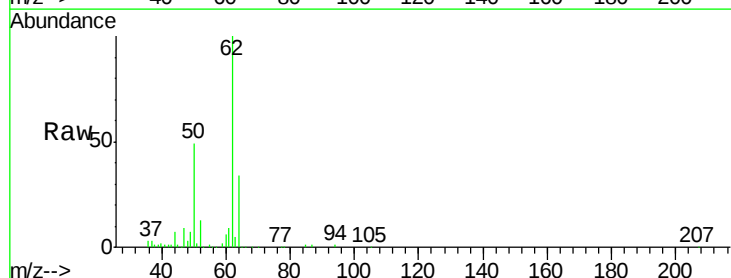
Acq: 15 Feb 2019 11:05

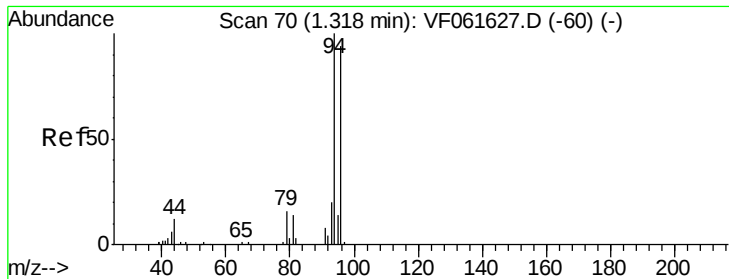
Tgt Ion: 62 Resp: 186781

Ion Ratio Lower Upper

62 100

64 34.0 27.5 41.3





#5

Bromomethane

Concen: 47.531 ug/l

RT: 1.32 min Scan# 70

Delta R.T. -0.00 min

Lab File: VF061649.D

Acq: 15 Feb 2019 11:05

Instrument :

MSVOA_F

ClientSampleId :

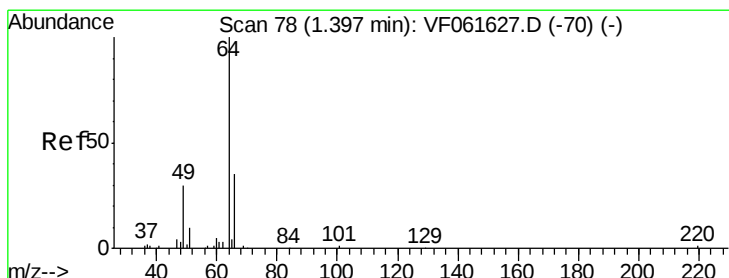
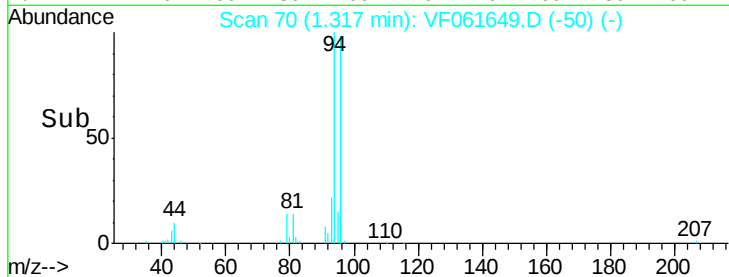
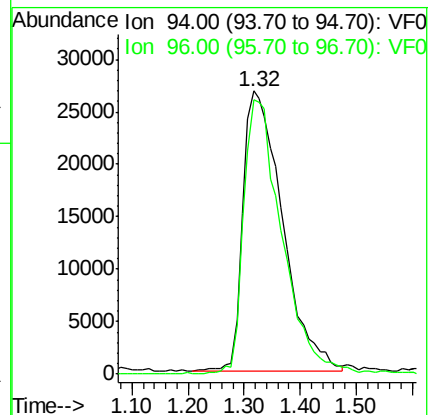
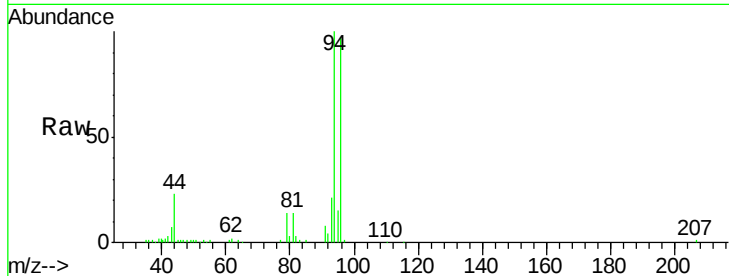
VSTDCCC050

Tot Ion: 94 Resp: 130864

Ion Ratio Lower Upper

94 100

96 96.7 74.6 112.0



#6

Chloroethane

Concen: 47.635 ug/l

RT: 1.40 min Scan# 78

Delta R.T. -0.00 min

Lab File: VF061649.D

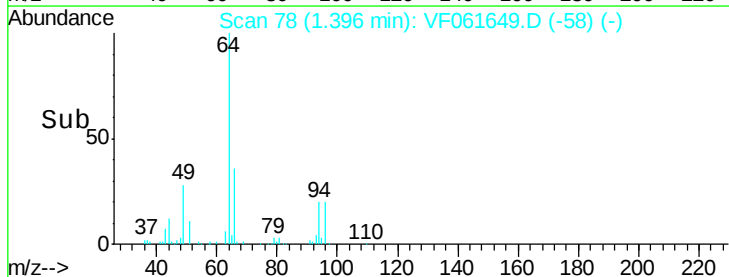
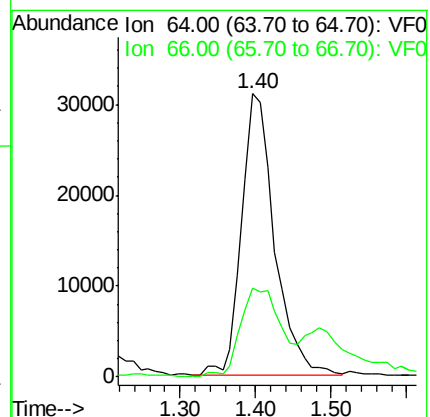
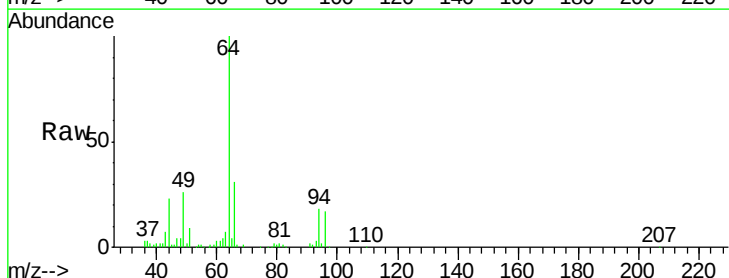
Acq: 15 Feb 2019 11:05

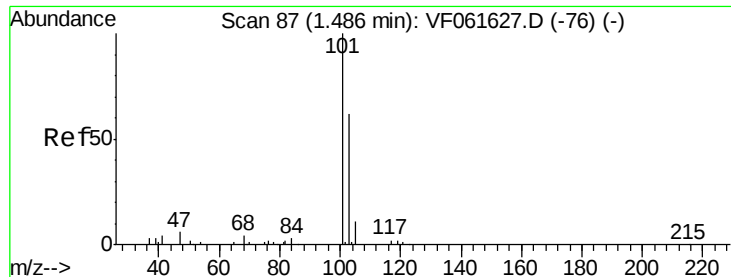
Tgt Ion: 64 Resp: 93911

Ion Ratio Lower Upper

64 100

66 31.4 27.9 41.9



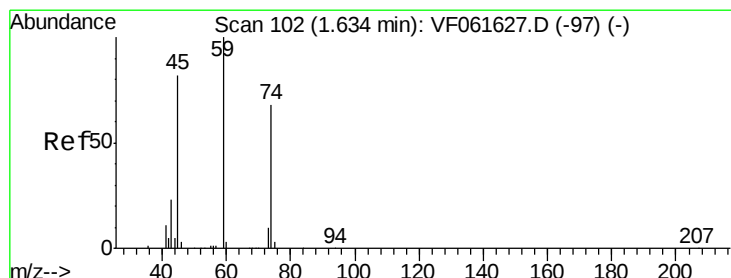
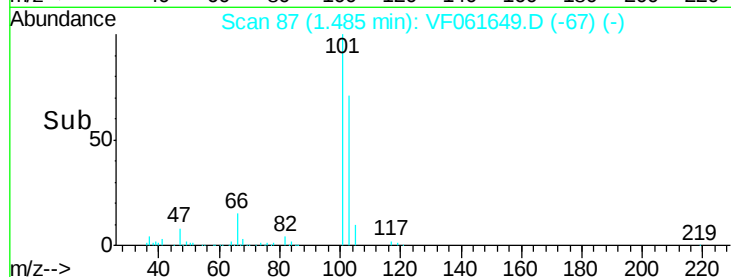
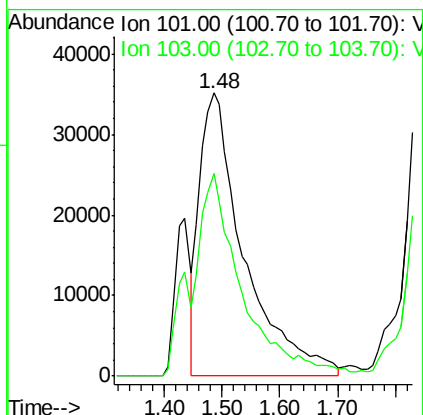
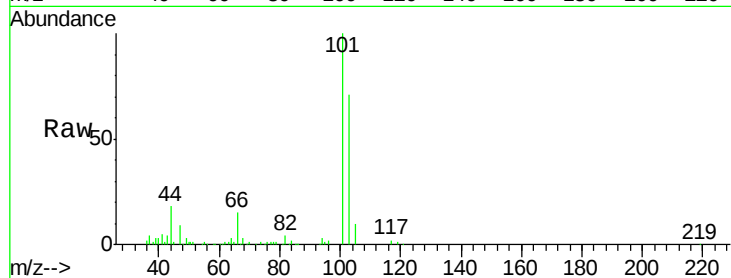


#7

Trichlorofluoromethane
Concen: 39.263 ug/l m
RT: 1.48 min Scan# 87
Delta R.T. -0.00 min
Lab File: VF061649.D
Acq: 15 Feb 2019 11:05

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VSTDCCC050

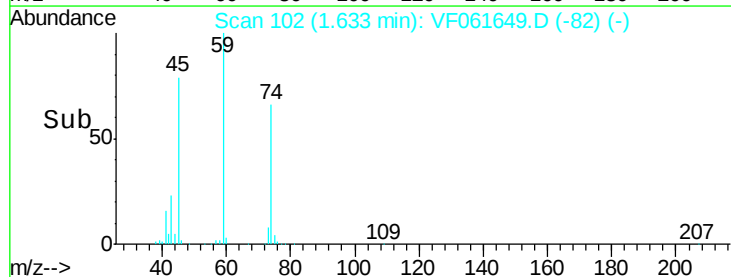
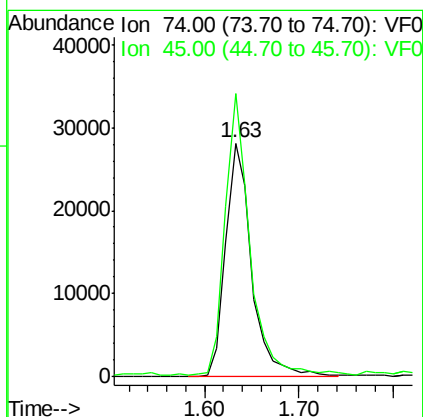
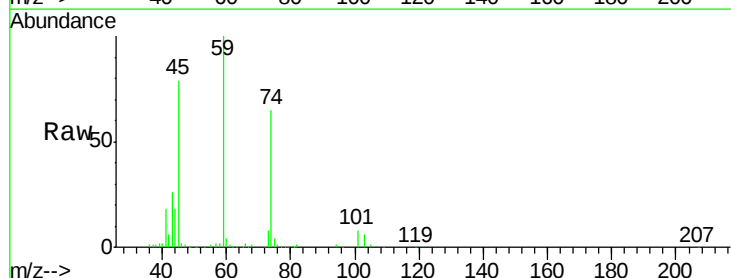
Tot Ion:101 Resp: 189445
Ion Ratio Lower Upper
101 100
103 71.4 49.3 73.9

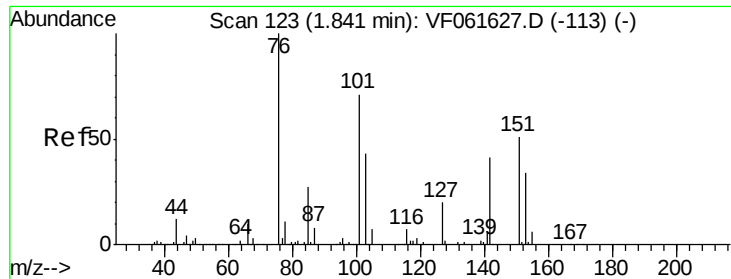


#8

Diethyl Ether
Concen: 44.168 ug/l
RT: 1.63 min Scan# 102
Delta R.T. -0.00 min
Lab File: VF061649.D
Acq: 15 Feb 2019 11:05

Tgt Ion: 74 Resp: 53706
Ion Ratio Lower Upper
74 100
45 121.3 60.8 182.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.565 ug/l

RT: 1.84 min Scan# 123

Delta R.T. -0.00 min

Lab File: VF061649.D

Acq: 15 Feb 2019 11:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

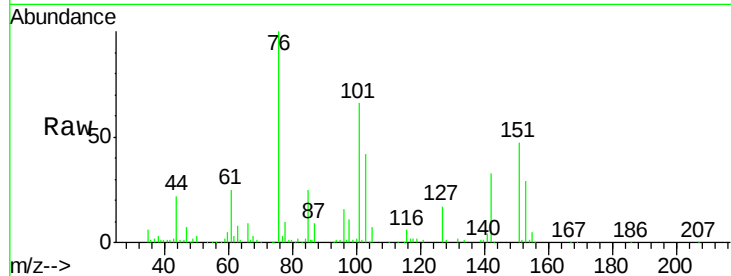
Tot Ion:101 Resp: 155122

Ion Ratio Lower Upper

101 100

85 38.0 29.8 44.6

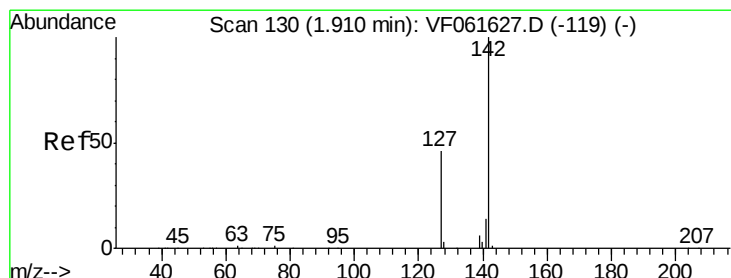
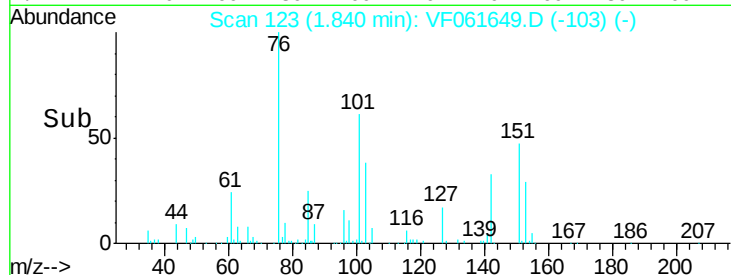
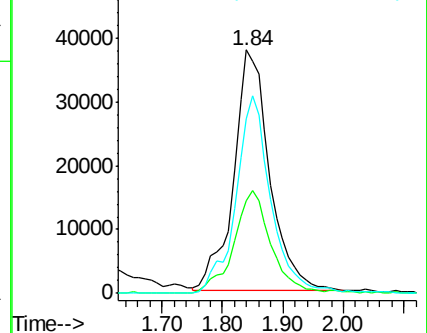
151 71.5 56.3 84.5



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: 34.945 ug/l

RT: 1.92 min Scan# 131

Delta R.T. 0.01 min

Lab File: VF061649.D

Acq: 15 Feb 2019 11:05

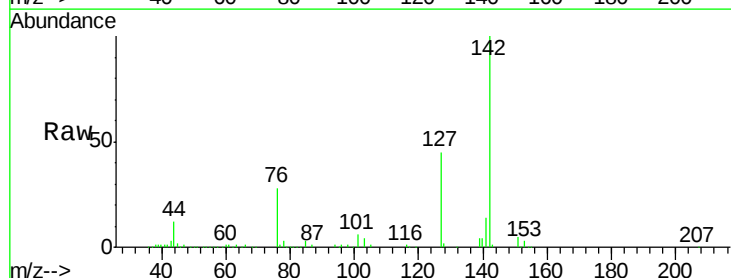
Tgt Ion:142 Resp: 232350

Ion Ratio Lower Upper

142 100

127 44.6 36.6 55.0

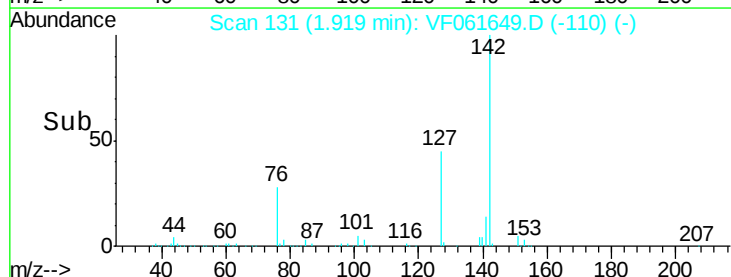
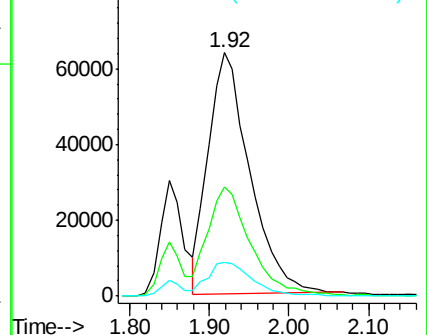
141 14.0 11.0 16.6

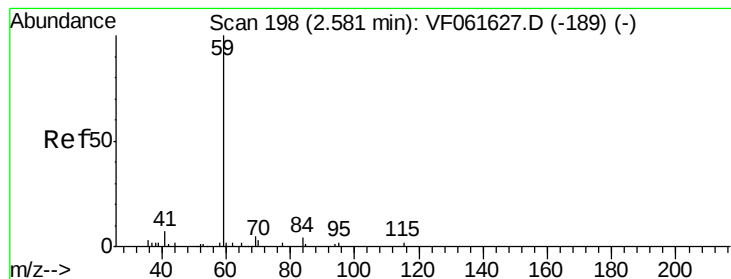


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



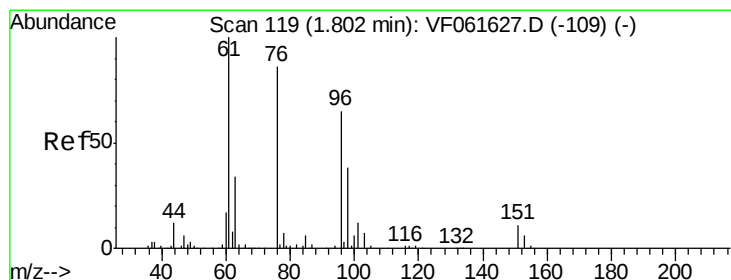
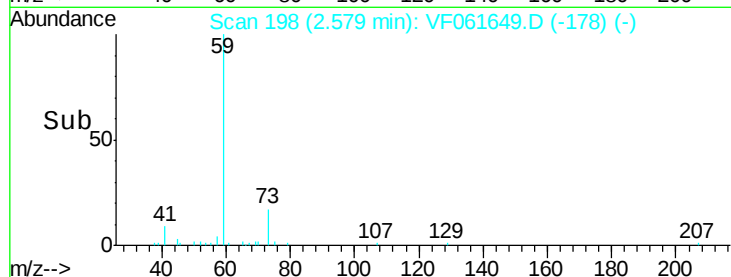
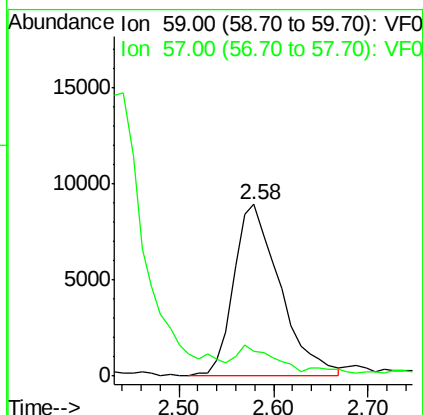
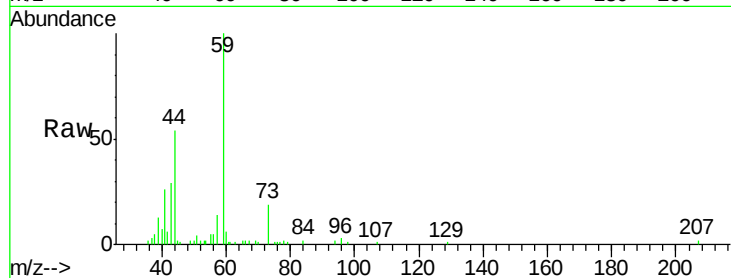


#11

Tert butyl alcohol
Concen: 200.508 ug/l
RT: 2.58 min Scan# 198
Delta R.T. -0.00 min
Lab File: VF061649.D
Acq: 15 Feb 2019 11:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

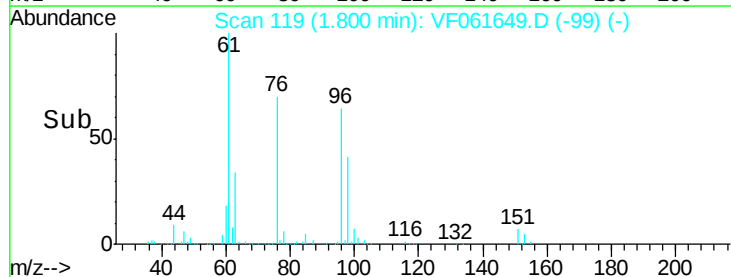
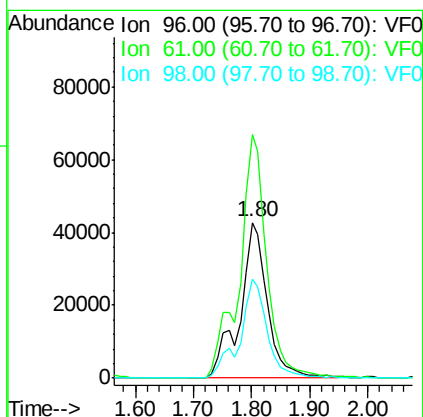
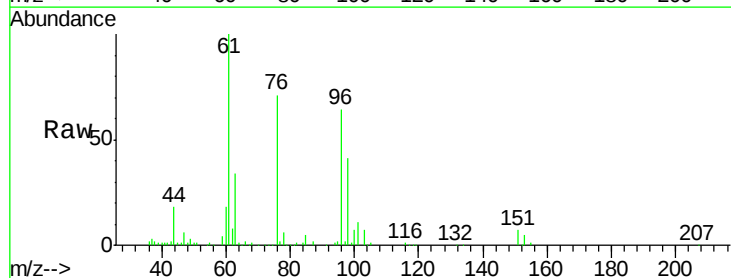
Tot Ion: 59 Resp: 30391
Ion Ratio Lower Upper
59 100
57 14.1 12.5 18.7

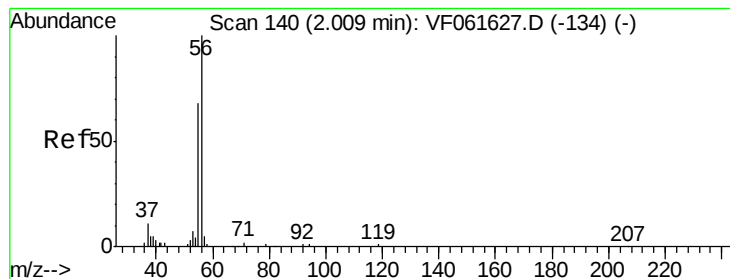


#12

1,1-Dichloroethene
Concen: 46.310 ug/l
RT: 1.80 min Scan# 119
Delta R.T. -0.00 min
Lab File: VF061649.D
Acq: 15 Feb 2019 11:05

Tgt Ion: 96 Resp: 141725
Ion Ratio Lower Upper
96 100
61 156.5 122.6 184.0
98 63.6 47.2 70.8





#13

Acrolein

Concen: 267.155 ug/l

RT: 2.01 min Scan# 140

Delta R.T. -0.00 min

Lab File: VF061649.D

Acq: 15 Feb 2019 11:05

Instrument :

MSVOA_F

ClientSampleId :

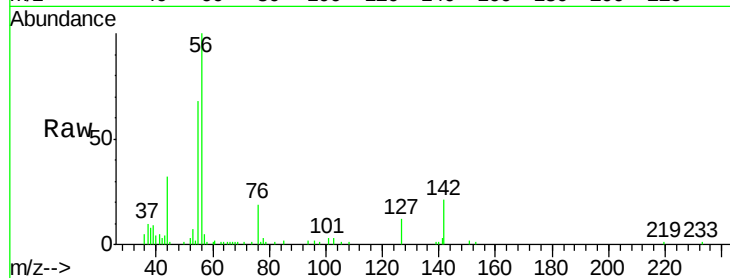
VSTDCCC050

Tot Ion: 56 Resp: 50892

Ion Ratio Lower Upper

56 100

55 68.0 55.0 82.6



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

2.01

15000

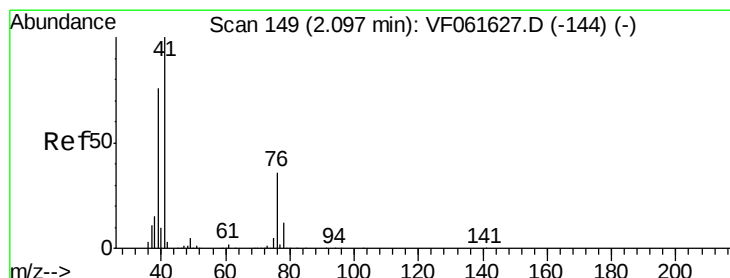
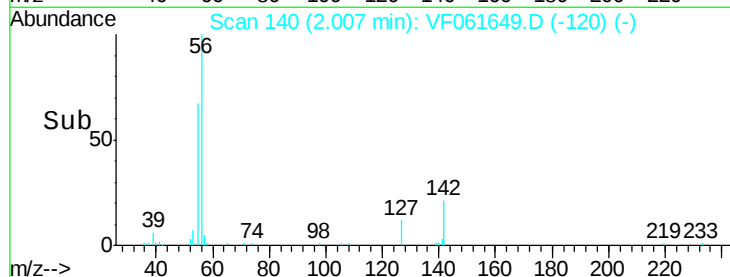
10000

5000

0

1.90 2.00 2.10 2.20

Time-->



#14

Allyl chloride

Concen: 42.352 ug/l

RT: 2.11 min Scan# 150

Delta R.T. 0.01 min

Lab File: VF061649.D

Acq: 15 Feb 2019 11:05

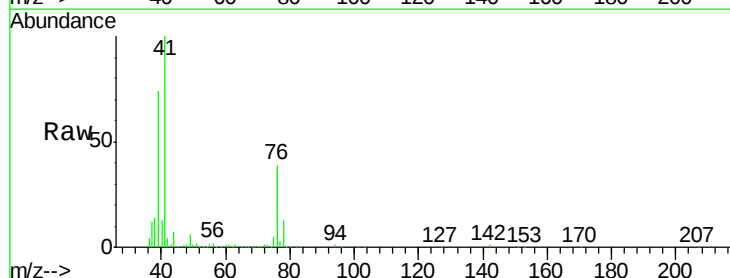
Tgt Ion: 41 Resp: 159048

Ion Ratio Lower Upper

41 100

39 74.0 61.6 92.4

76 39.3 30.3 45.5



Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0

100000

80000

60000

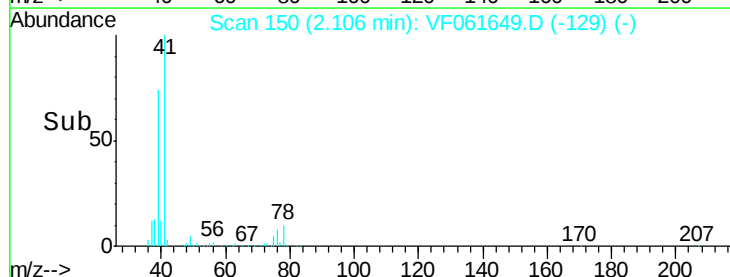
40000

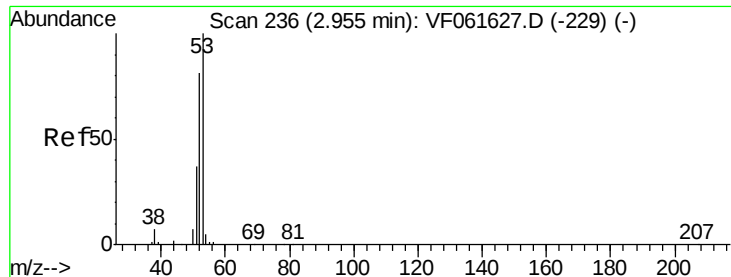
20000

0

2.00 2.05 2.10 2.15 2.20

Time-->





#15

Acrylonitrile

Concen: 202.504 ug/l

RT: 2.94 min Scan# 235

Delta R.T. -0.01 min

Lab File: VF061649.D

Acq: 15 Feb 2019 11:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

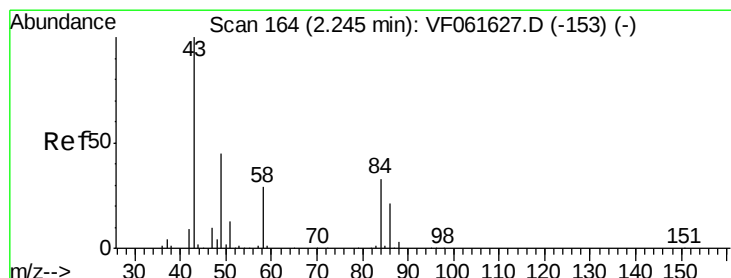
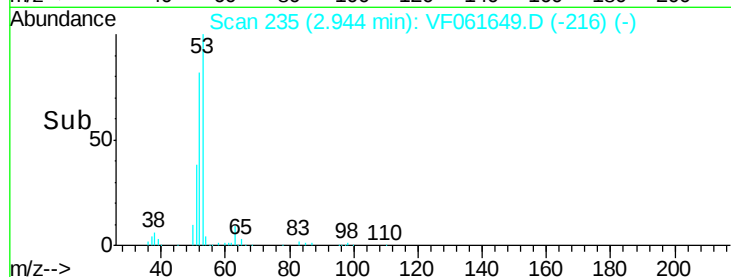
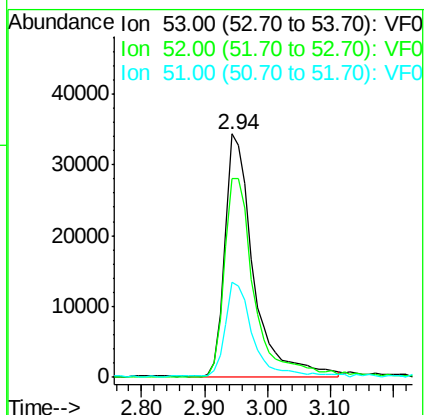
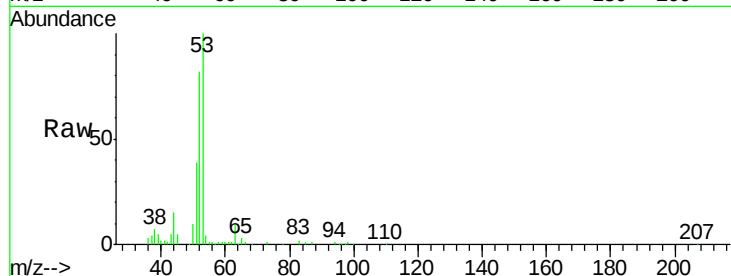
Tot Ion: 53 Resp: 108871

Ion Ratio Lower Upper

53 100

52 81.6 64.6 97.0

51 38.8 29.8 44.8



#16

Acetone

Concen: 245.025 ug/l

RT: 2.24 min Scan# 164

Delta R.T. -0.00 min

Lab File: VF061649.D

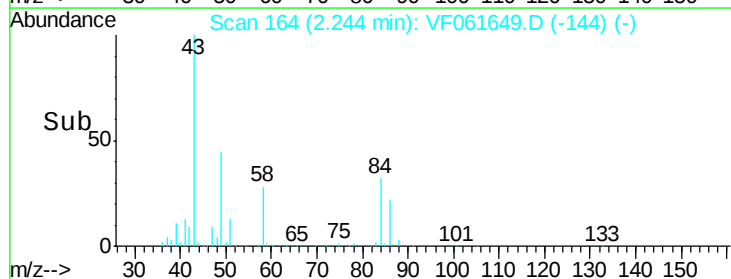
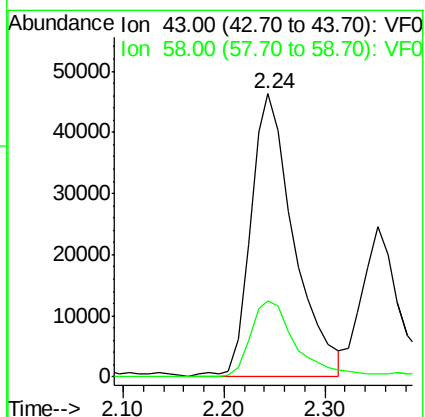
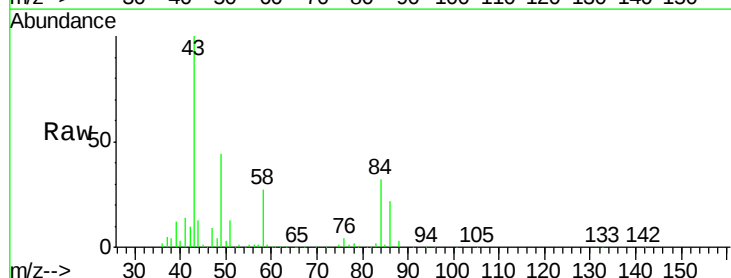
Acq: 15 Feb 2019 11:05

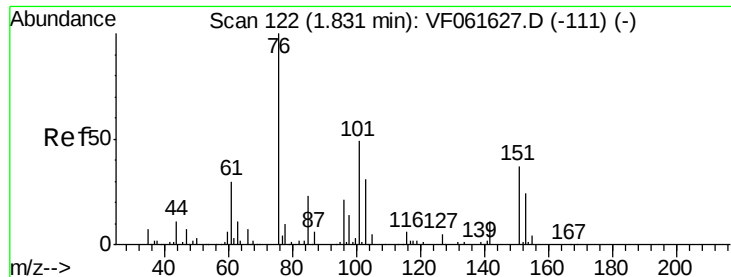
Tgt Ion: 43 Resp: 137683

Ion Ratio Lower Upper

43 100

58 26.9 22.9 34.3

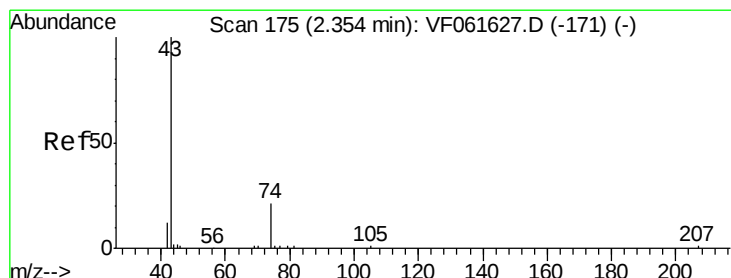
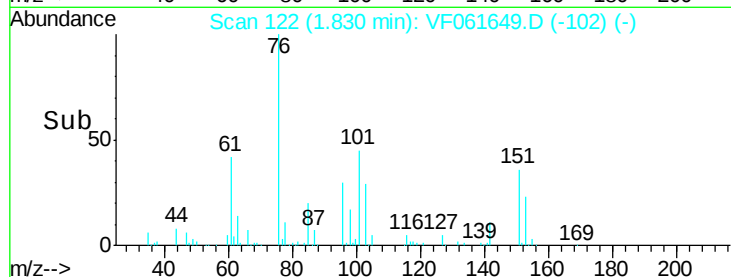
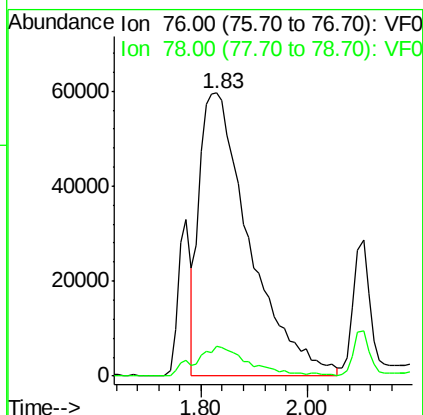
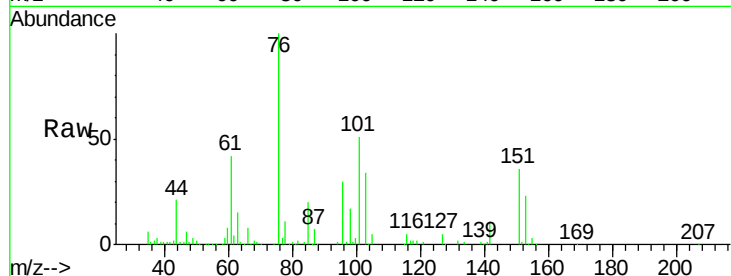




#17
Carbon Disulfide
Concen: 40.620 ug/l m
RT: 1.83 min Scan# 122
Delta R.T. -0.00 min
Lab File: VF061649.D
Acq: 15 Feb 2019 11:05

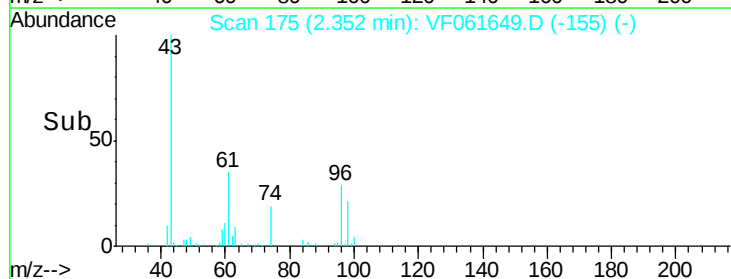
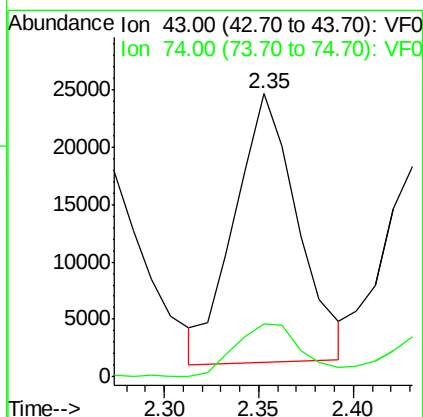
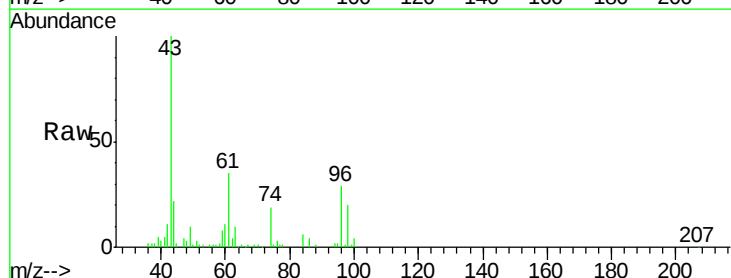
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

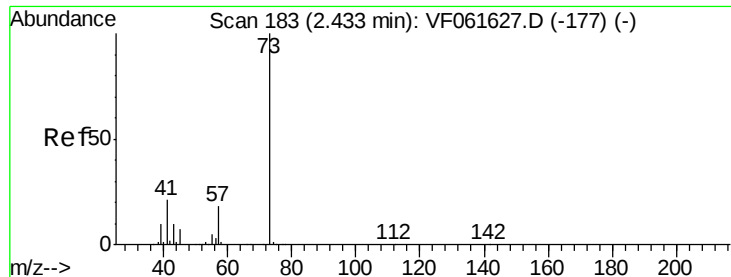
Tot Ion: 76 Resp: 390749
Ion Ratio Lower Upper
76 100
78 10.7 7.9 11.9



#18
Methyl Acetate
Concen: 42.762 ug/l
RT: 2.35 min Scan# 175
Delta R.T. -0.00 min
Lab File: VF061649.D
Acq: 15 Feb 2019 11:05

Tgt Ion: 43 Resp: 54131
Ion Ratio Lower Upper
43 100
74 18.9 14.6 21.8



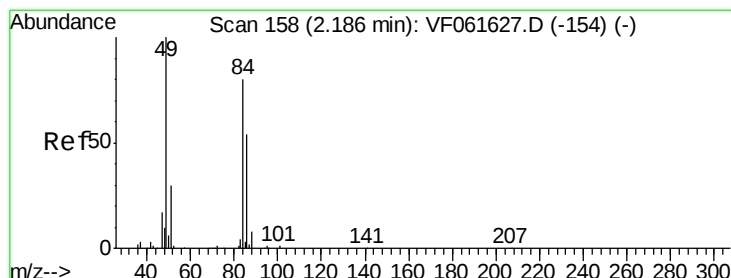
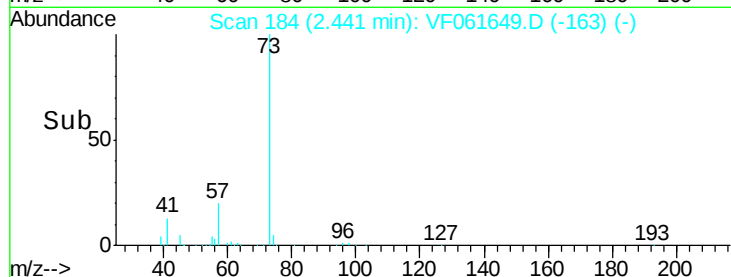
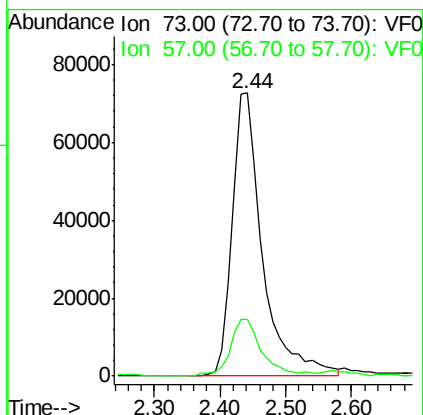
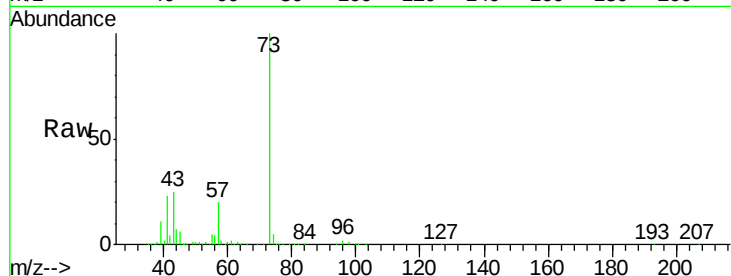


#19

Methyl tert-butyl Ether
 Concen: 45.148 ug/l
 RT: 2.44 min Scan# 184
 Delta R.T. 0.01 min
 Lab File: VF061649.D
 Acq: 15 Feb 2019 11:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

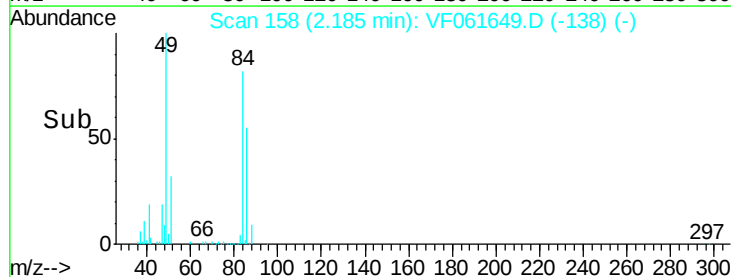
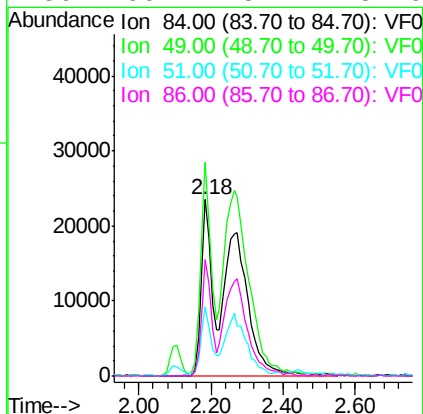
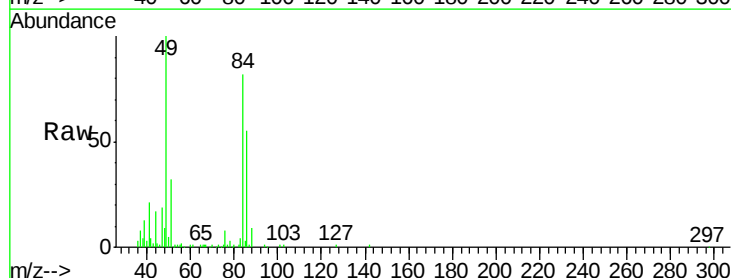
Tot Ion: 73 Resp: 236138
 Ion Ratio Lower Upper
 73 100
 57 20.2 15.8 23.8

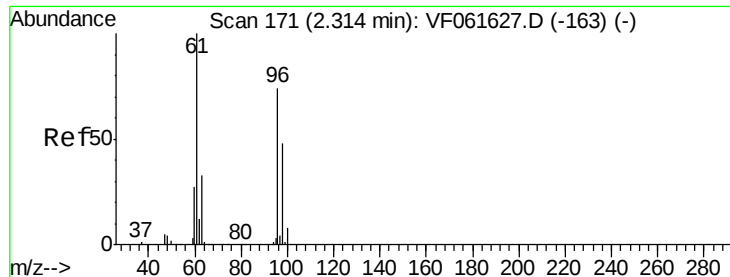


#20

Methylene Chloride
 Concen: 45.574 ug/l m
 RT: 2.18 min Scan# 158
 Delta R.T. -0.00 min
 Lab File: VF061649.D
 Acq: 15 Feb 2019 11:05

Tgt Ion: 84 Resp: 137897
 Ion Ratio Lower Upper
 84 100
 49 121.3 101.8 152.8
 51 39.2 31.1 46.7
 86 66.4 54.4 81.6





#21

trans-1,2-Dichloroethene

Concen: 45.774 ug/l

RT: 2.31 min Scan# 171

Delta R.T. -0.00 min

Lab File: VF061649.D

Acq: 15 Feb 2019 11:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

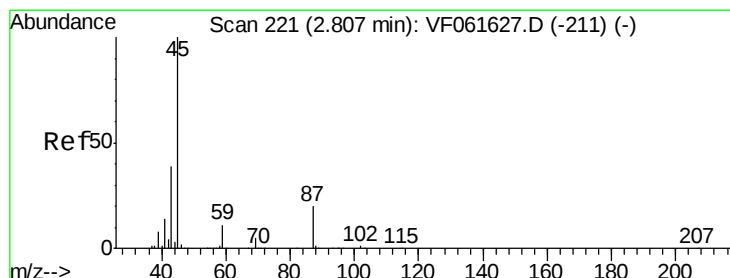
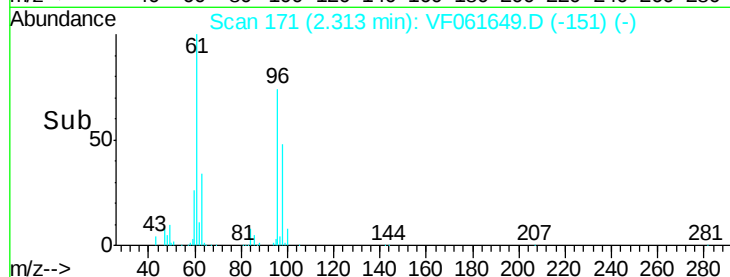
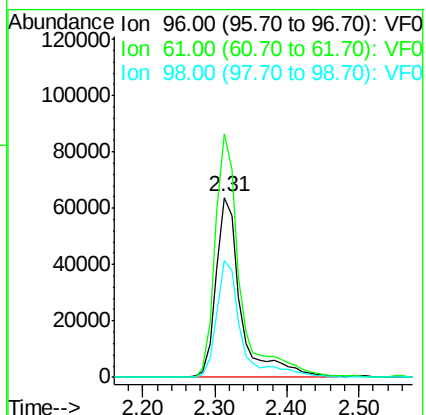
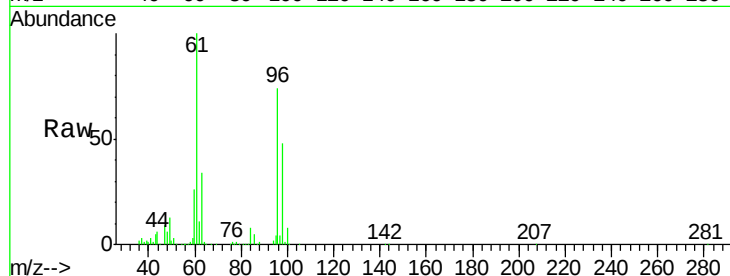
Tot Ion: 96 Resp: 152282

Ion Ratio Lower Upper

96 100

61 135.4 108.2 162.4

98 65.2 52.2 78.2



#22

Diisopropyl ether

Concen: 44.129 ug/l

RT: 2.81 min Scan# 221

Delta R.T. -0.00 min

Lab File: VF061649.D

Acq: 15 Feb 2019 11:05

Tgt Ion: 45 Resp: 397806

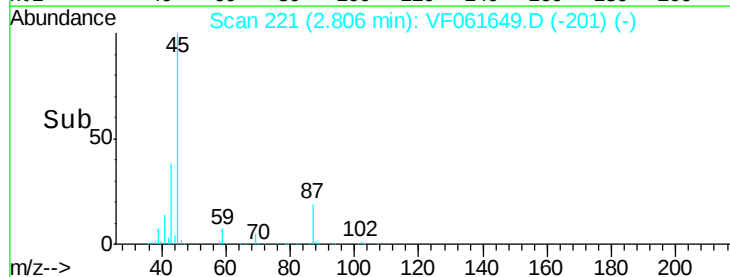
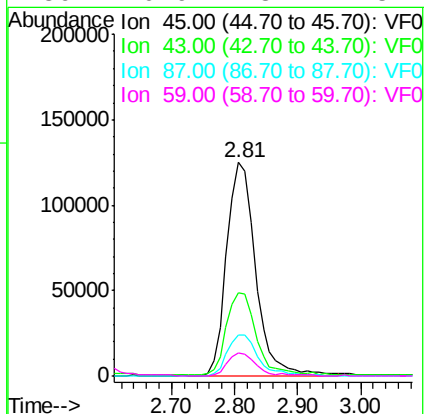
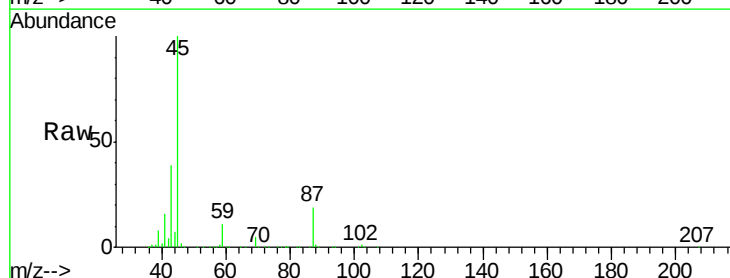
Ion Ratio Lower Upper

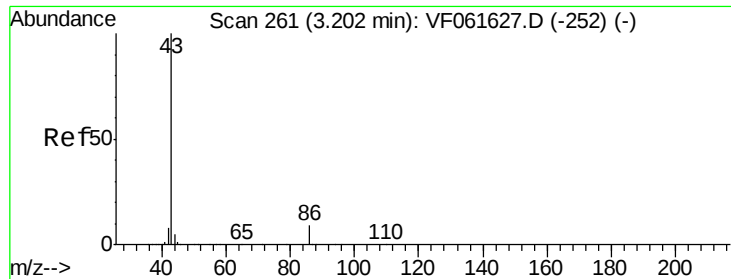
45 100

43 38.7 31.4 47.2

87 19.2 16.3 24.5

59 10.9 8.7 13.1

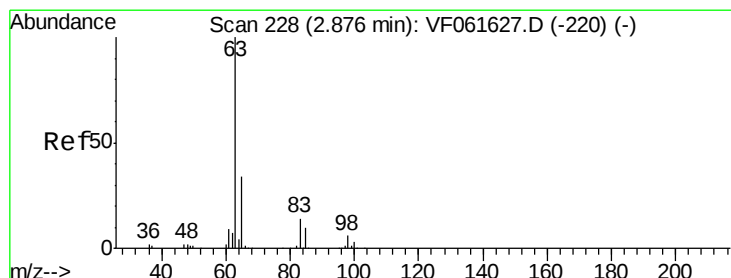
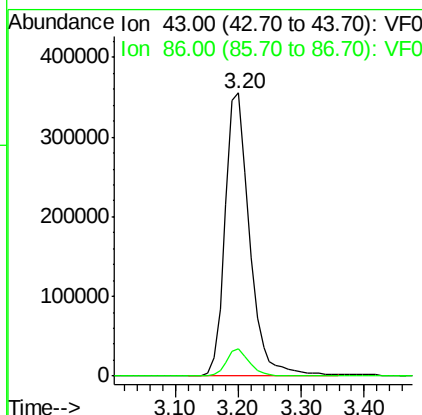
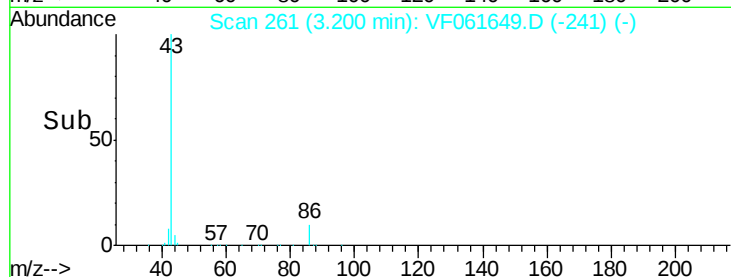
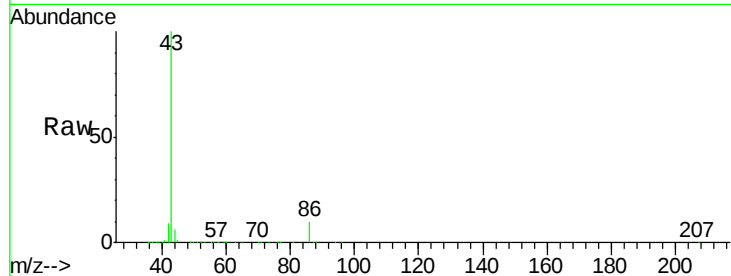




#23
 Vinyl Acetate
 Concen: 217.702 ug/l
 RT: 3.20 min Scan# 261
 Delta R.T. -0.00 min
 Lab File: VF061649.D
 Acq: 15 Feb 2019 11:05

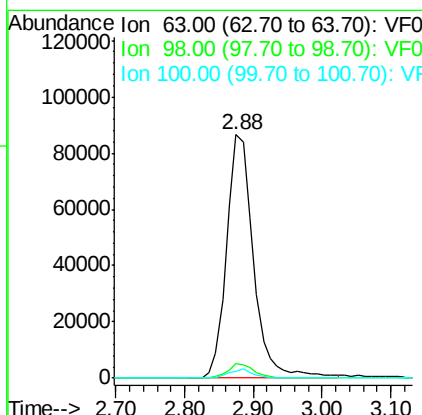
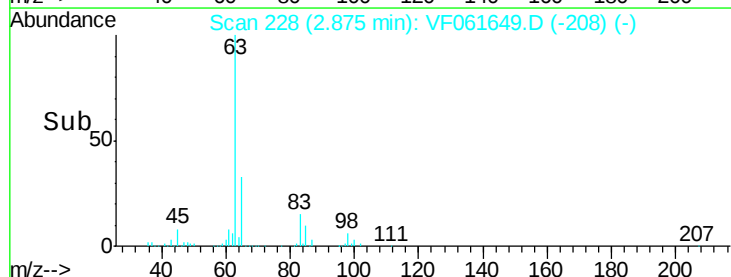
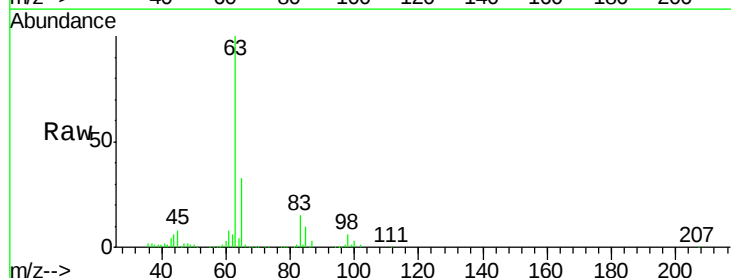
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

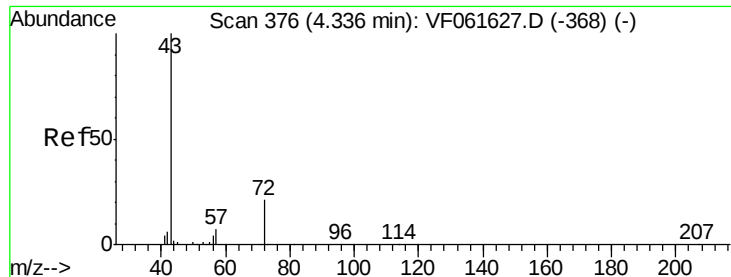
Tot Ion: 43 Resp: 958533
 Ion Ratio Lower Upper
 43 100
 86 9.8 7.5 11.3



#24
 1,1-Dichloroethane
 Concen: 43.051 ug/l
 RT: 2.88 min Scan# 228
 Delta R.T. -0.00 min
 Lab File: VF061649.D
 Acq: 15 Feb 2019 11:05

Tgt Ion: 63 Resp: 234856
 Ion Ratio Lower Upper
 63 100
 98 5.7 2.8 8.3
 100 3.0 1.8 5.4

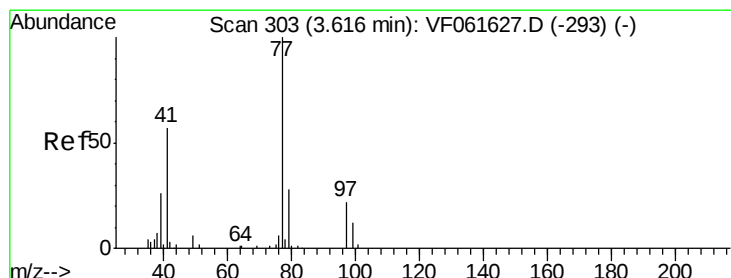
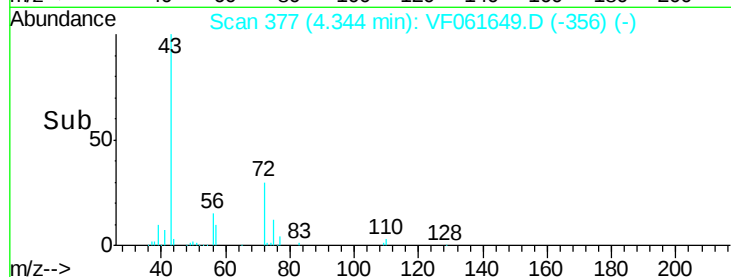
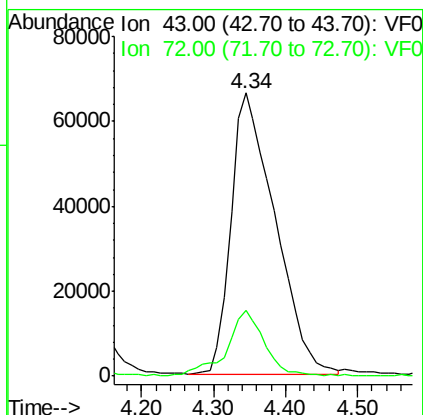
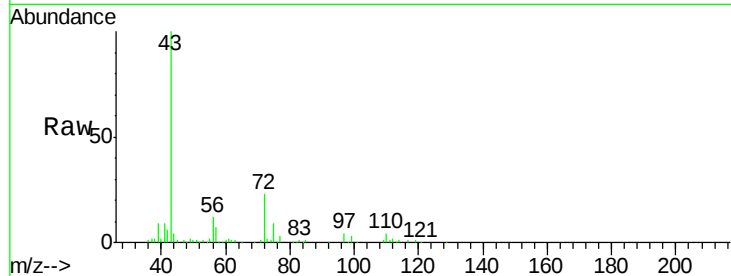




#25
 2-Butanone
 Concen: 228.177 ug/l
 RT: 4.34 min Scan# 377
 Delta R.T. 0.01 min
 Lab File: VF061649.D
 Acq: 15 Feb 2019 11:05

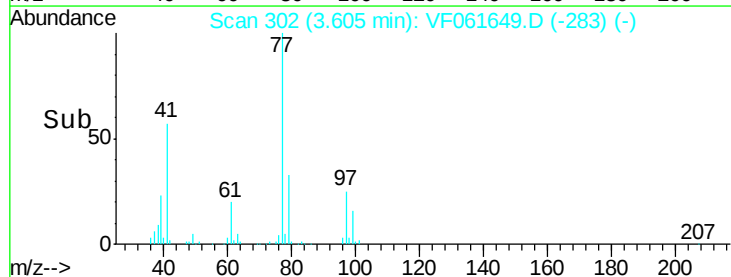
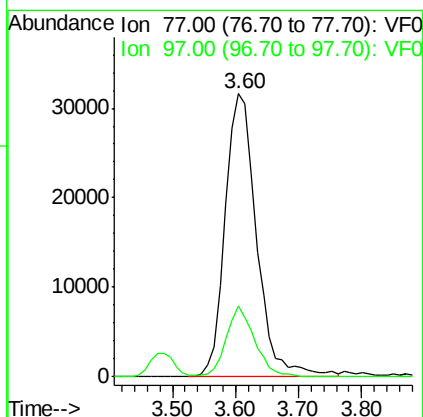
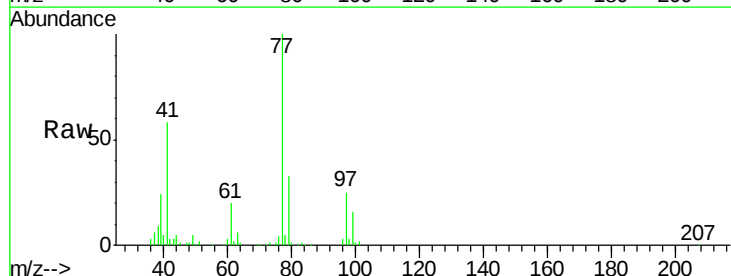
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

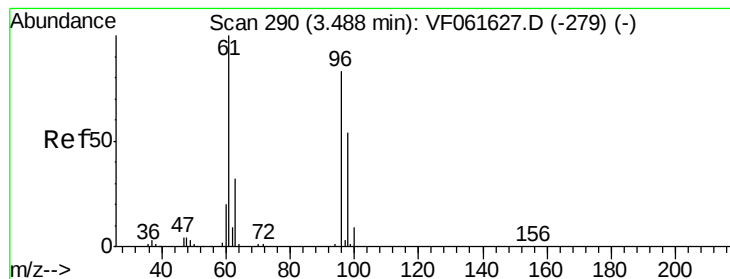
Tot Ion: 43 Resp: 280064
 Ion Ratio Lower Upper
 43 100
 72 23.1 17.1 25.7



#26
 2,2-Dichloropropane
 Concen: 47.456 ug/l
 RT: 3.60 min Scan# 302
 Delta R.T. -0.01 min
 Lab File: VF061649.D
 Acq: 15 Feb 2019 11:05

Tgt Ion: 77 Resp: 109658
 Ion Ratio Lower Upper
 77 100
 97 25.1 11.7 35.0



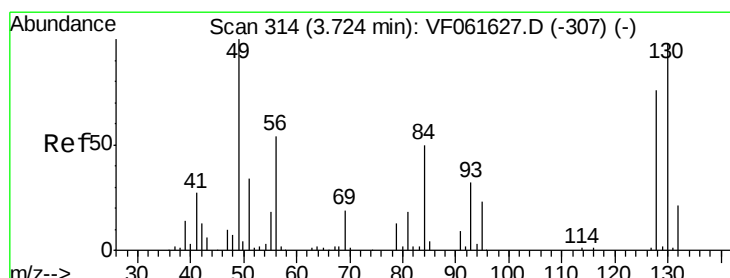
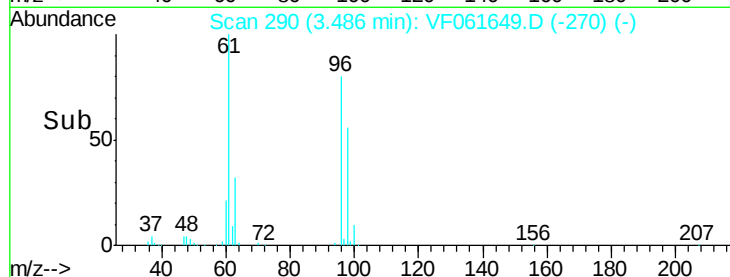
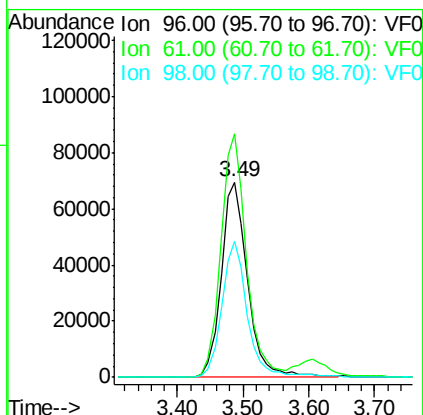
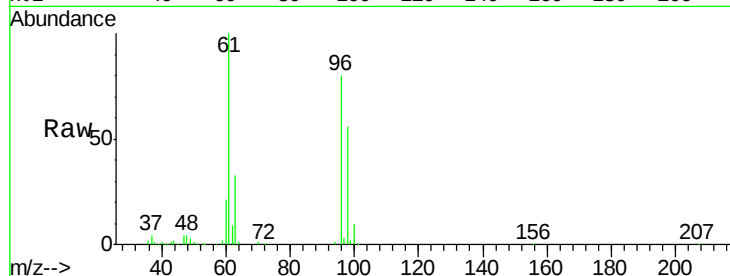


#27

cis-1,2-Dichloroethene
 Concen: 44.584 ug/l
 RT: 3.49 min Scan# 290
 Delta R.T. -0.00 min
 Lab File: VF061649.D
 Acq: 15 Feb 2019 11:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

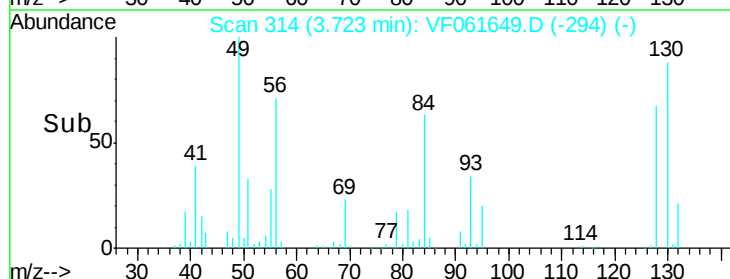
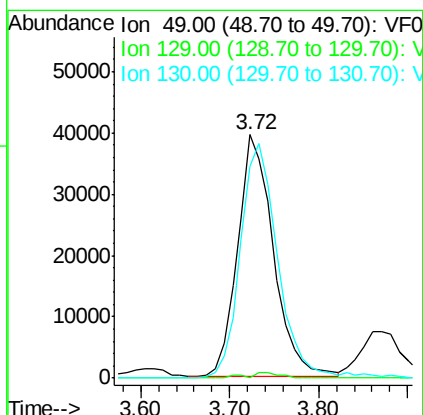
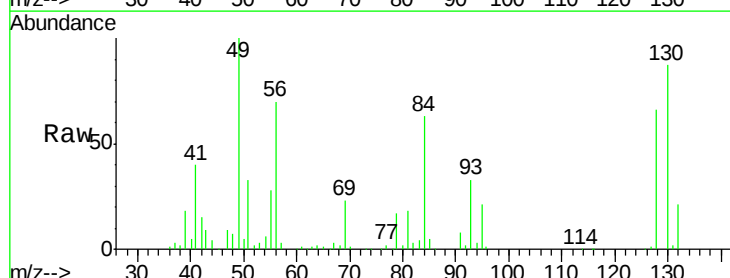
Tot Ion	Ratio	Lower	Upper
96	100		
61	124.7	0.0	241.6
98	69.5	0.0	130.2

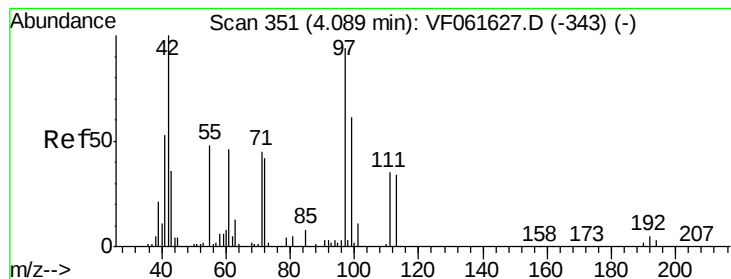


#28

Bromochloromethane
 Concen: 42.221 ug/l
 RT: 3.72 min Scan# 314
 Delta R.T. -0.00 min
 Lab File: VF061649.D
 Acq: 15 Feb 2019 11:05

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.4
130	87.1	77.7	116.5





#29

Tetrahydrofuran

Concen: 196.477 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.00 min

Lab File: VF061649.D

Acq: 15 Feb 2019 11:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

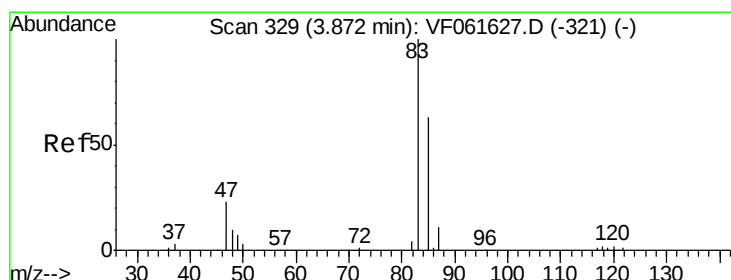
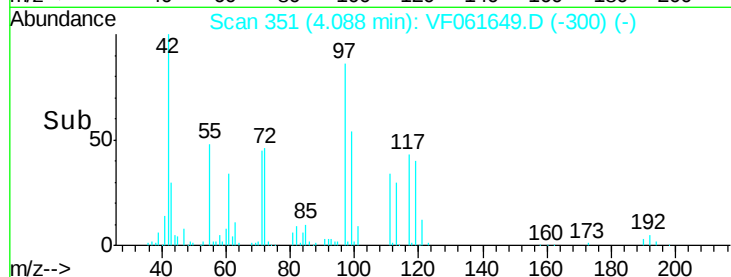
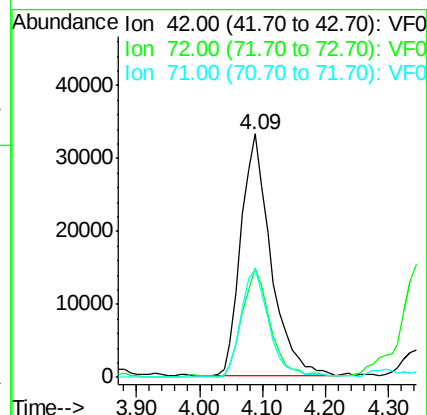
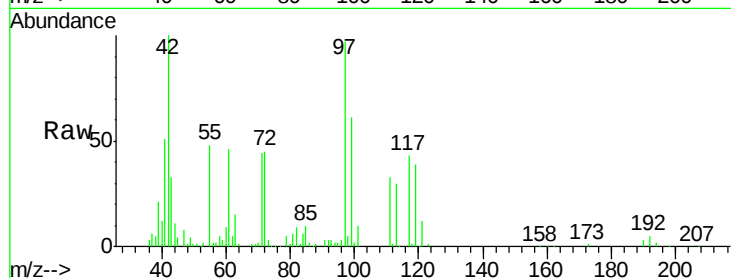
Tot Ion: 42 Resp: 109607

Ion Ratio Lower Upper

42 100

72 42.6 35.2 52.8

71 42.2 32.9 49.3



#30

Chloroform

Concen: 46.088 ug/l

RT: 3.87 min Scan# 329

Delta R.T. -0.00 min

Lab File: VF061649.D

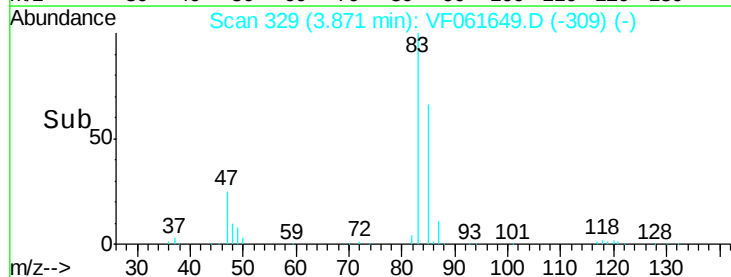
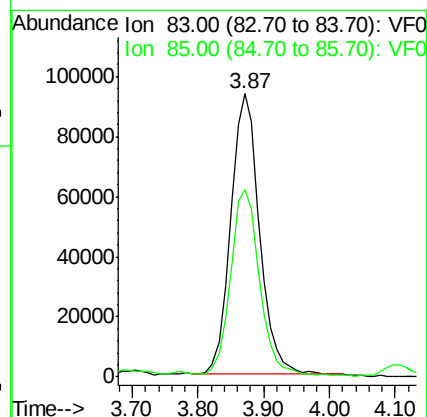
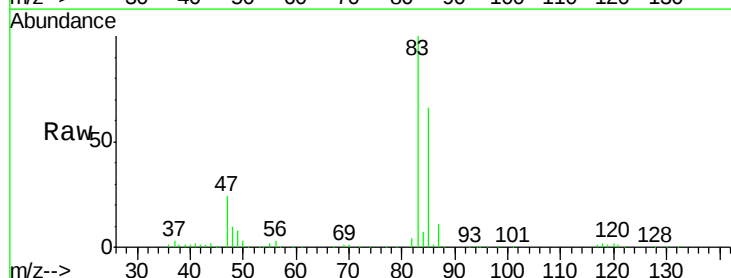
Acq: 15 Feb 2019 11:05

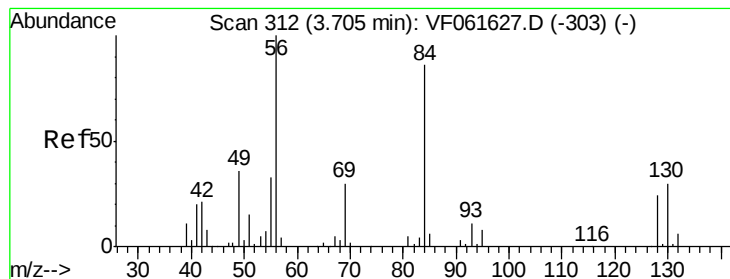
Tgt Ion: 83 Resp: 285923

Ion Ratio Lower Upper

83 100

85 66.2 51.1 76.7





#31

Cvclohexane

Concen: 45.686 ug/l m

RT: 3.69 min Scan# 311

Delta R.T. -0.01 min

Lab File: VF061649.D

Acq: 15 Feb 2019 11:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

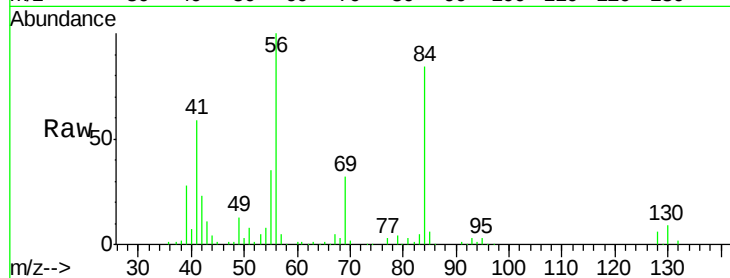
Tot Ion: 56 Resp: 269802

Ion Ratio Lower Upper

56 100

69 32.3 23.8 35.8

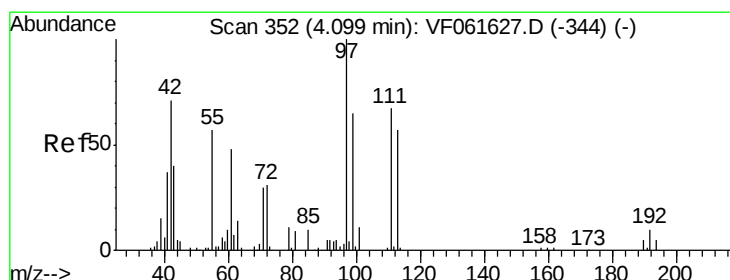
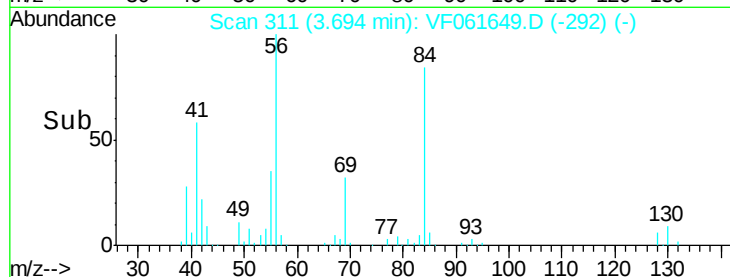
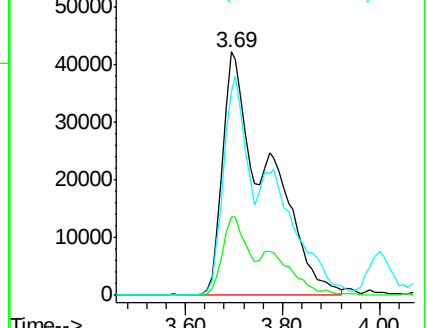
84 83.8 68.6 103.0



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: 40.066 ug/l

RT: 4.11 min Scan# 353

Delta R.T. 0.01 min

Lab File: VF061649.D

Acq: 15 Feb 2019 11:05

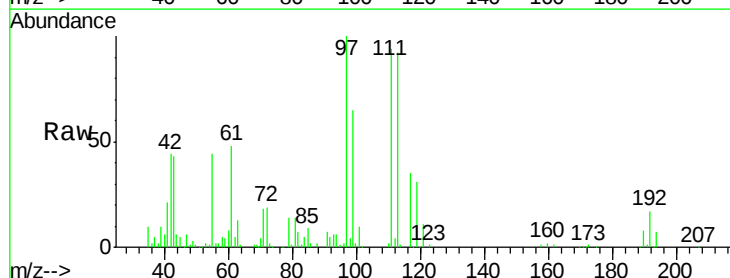
Tgt Ion: 97 Resp: 162824

Ion Ratio Lower Upper

97 100

99 64.7 52.2 78.2

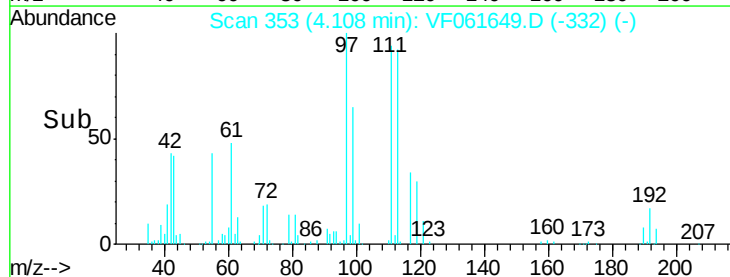
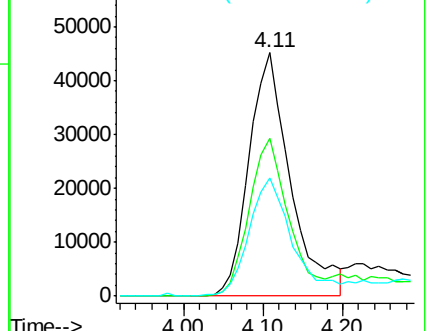
61 48.4 39.2 58.8

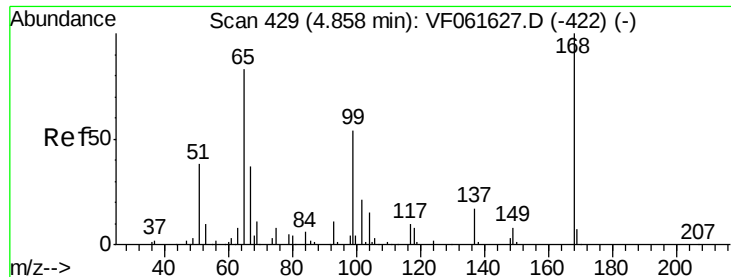


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

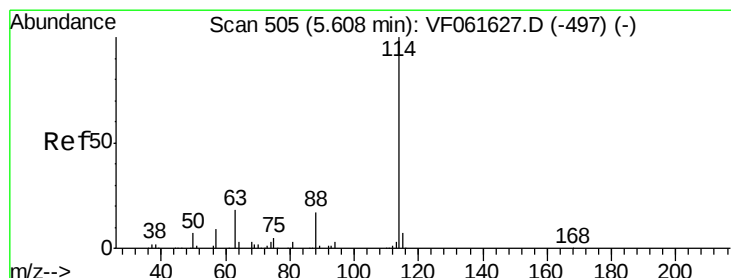
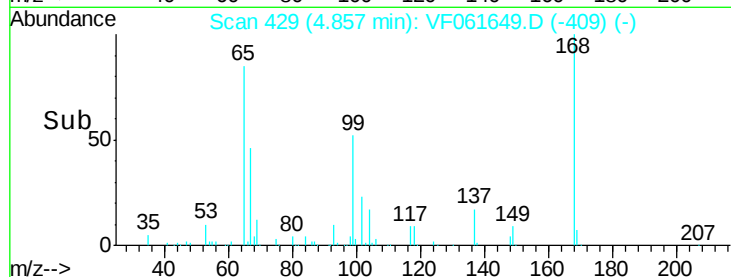
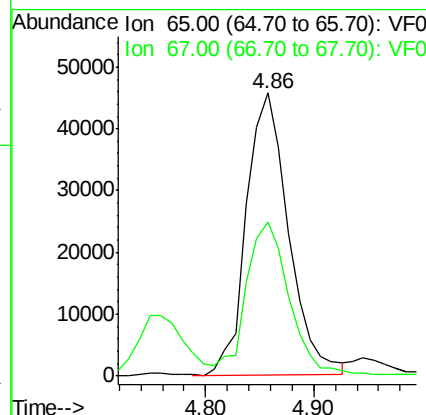
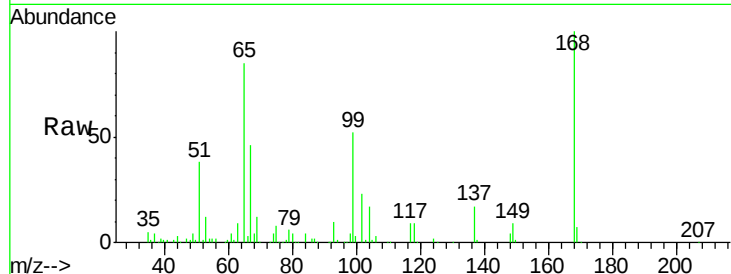




#33
 1,2-Dichloroethane-d4
 Concen: 47.348 ug/l
 RT: 4.86 min Scan# 429
 Delta R.T. -0.00 min
 Lab File: VF061649.D
 Acq: 15 Feb 2019 11:05

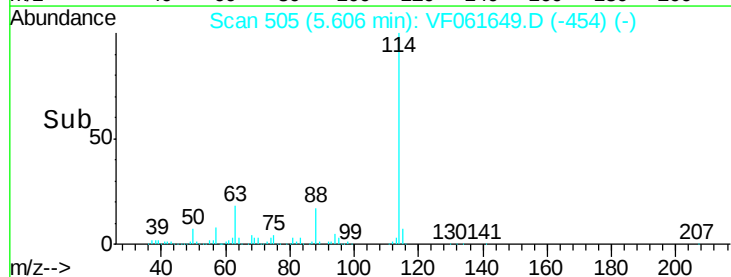
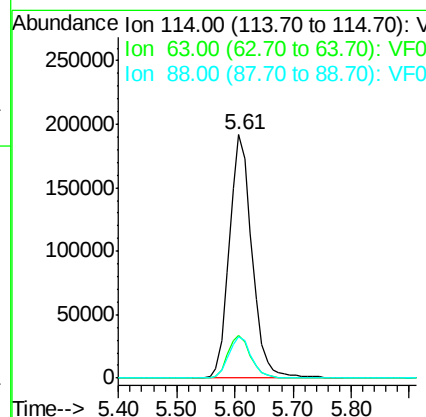
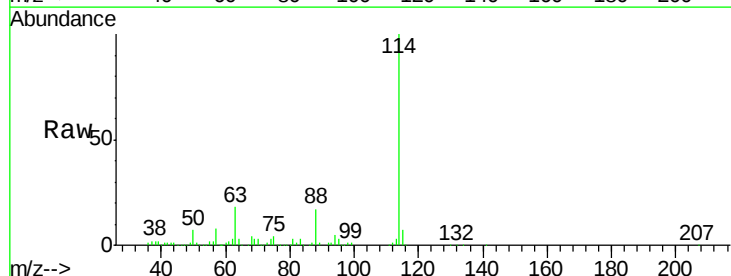
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

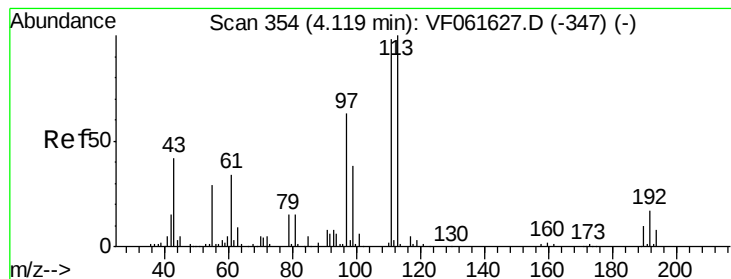
Tot Ion: 65 Resp: 124004
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.61 min Scan# 505
 Delta R.T. -0.00 min
 Lab File: VF061649.D
 Acq: 15 Feb 2019 11:05

Tgt Ion: 114 Resp: 519035
 Ion Ratio Lower Upper
 114 100
 63 17.5 0.0 36.6
 88 17.1 0.0 34.4





#35

Dibromofluoromethane

Concen: 47.156 ug/l

RT: 4.13 min Scan# 355

Delta R.T. 0.01 min

Lab File: VF061649.D

Acq: 15 Feb 2019 11:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

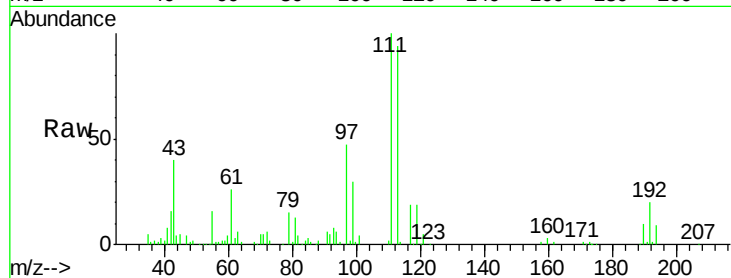
Tot Ion:113 Resp: 181758

Ion Ratio Lower Upper

113 100

111 106.4 78.8 118.2

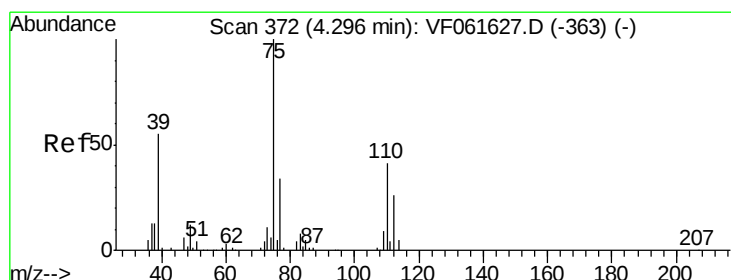
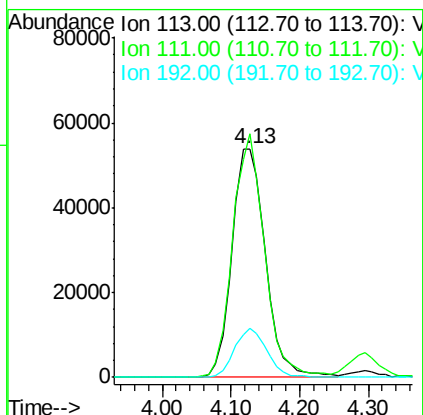
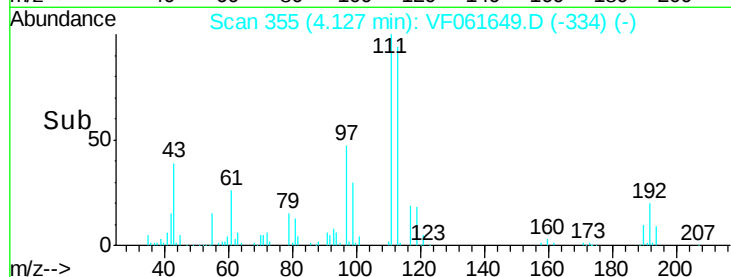
192 22.4 13.4 20.0#



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: 47.003 ug/l

RT: 4.30 min Scan# 372

Delta R.T. -0.00 min

Lab File: VF061649.D

Acq: 15 Feb 2019 11:05

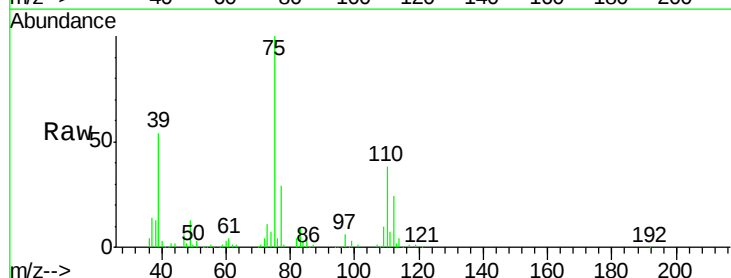
Tgt Ion: 75 Resp: 241676

Ion Ratio Lower Upper

75 100

110 37.7 20.5 61.6

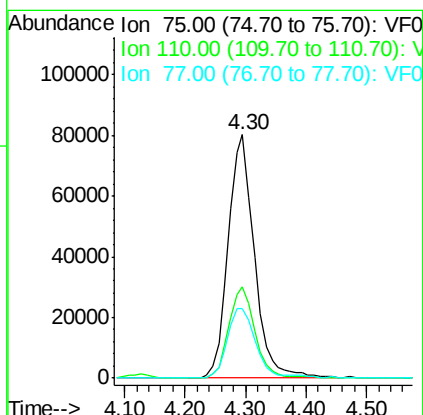
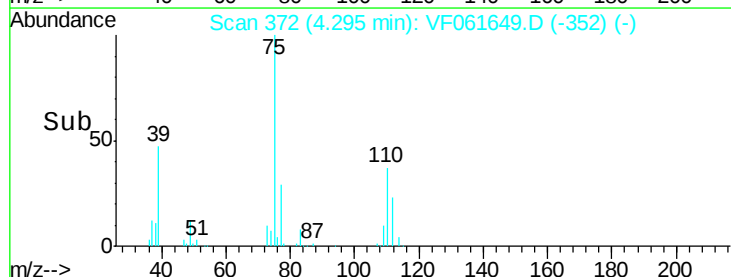
77 28.8 27.0 40.4

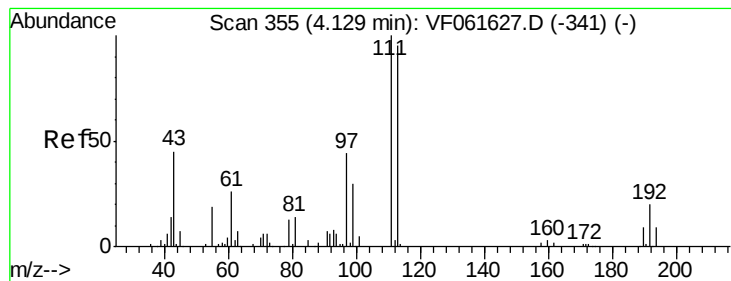


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0





#37

Ethyl Acetate

Concen: 39.143 ug/l

RT: 4.13 min Scan# 355

Delta R.T. -0.00 min

Lab File: VF061649.D

Acq: 15 Feb 2019 11:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

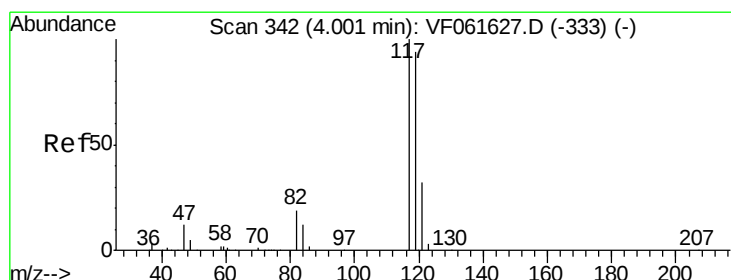
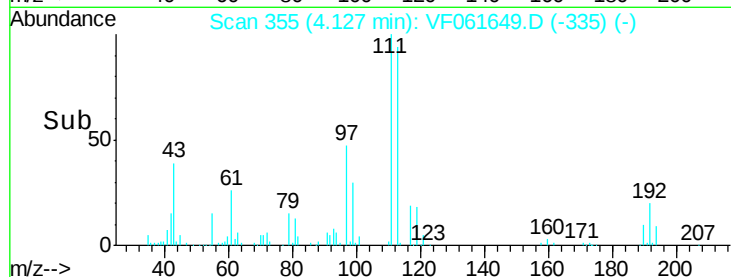
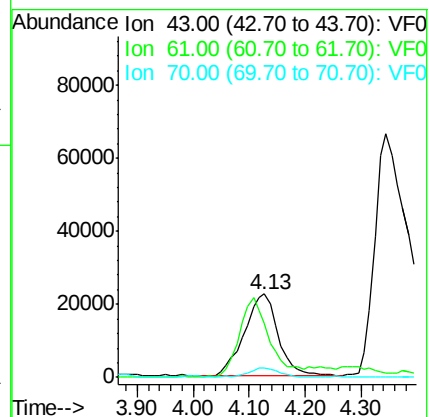
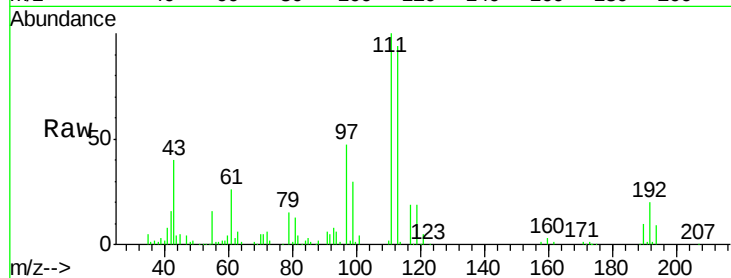
Tot Ion: 43 Resp: 93480

Ion Ratio Lower Upper

43 100

61 64.9 45.7 68.5

70 11.7 8.5 12.7



#38

Carbon Tetrachloride

Concen: 47.619 ug/l

RT: 4.00 min Scan# 342

Delta R.T. -0.00 min

Lab File: VF061649.D

Acq: 15 Feb 2019 11:05

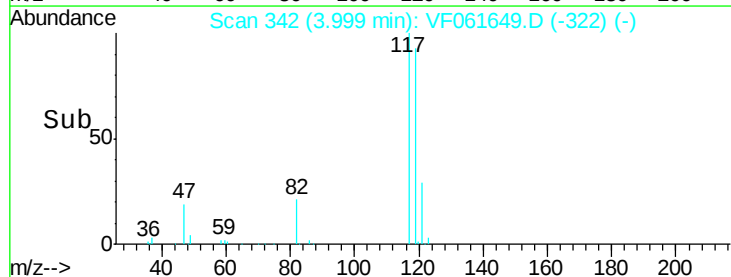
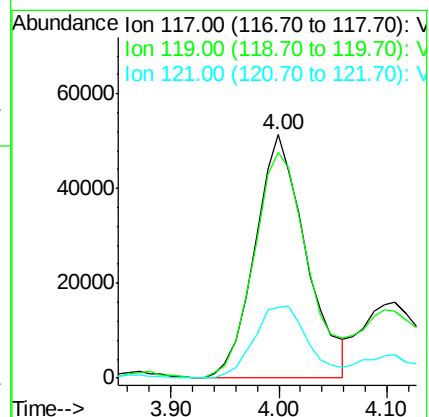
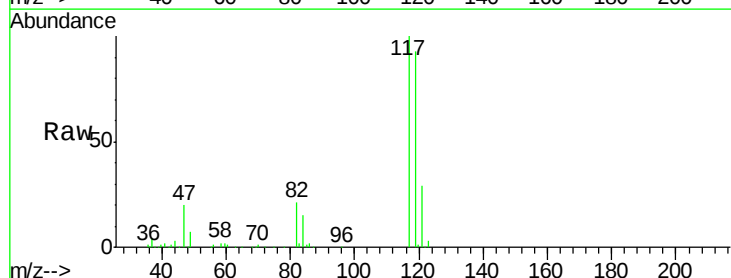
Tgt Ion: 117 Resp: 169065

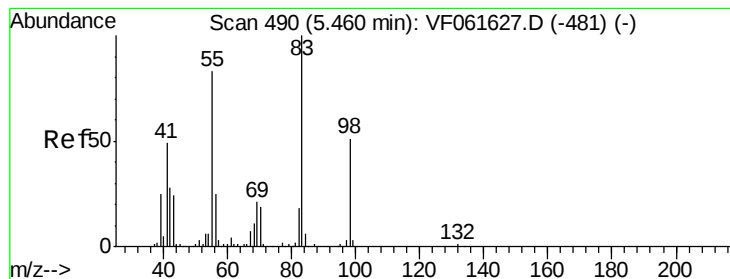
Ion Ratio Lower Upper

117 100

119 92.8 75.6 113.4

121 29.1 25.2 37.8





#39

Methvlcvclohexane

Concen: 49.900 ug/l

RT: 5.47 min Scan# 491

Delta R.T. 0.01 min

Lab File: VF061649.D

Acq: 15 Feb 2019 11:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

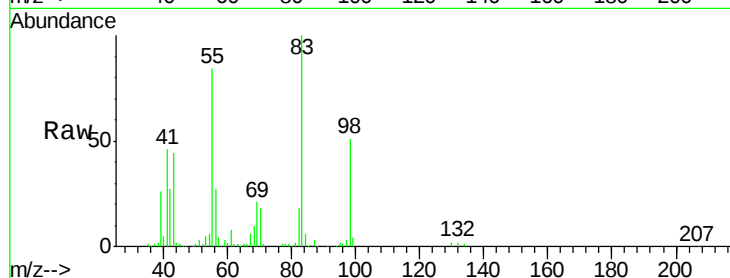
Tot Ion: 83 Resp: 303432

Ion Ratio Lower Upper

83 100

55 83.6 66.6 99.8

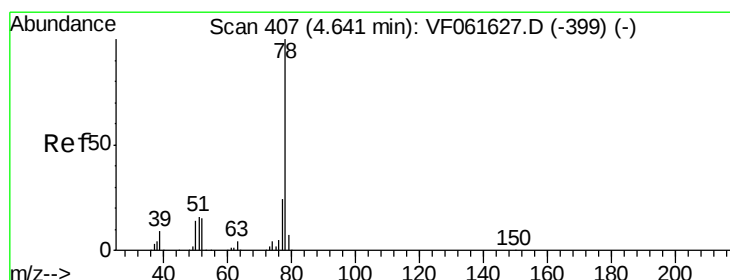
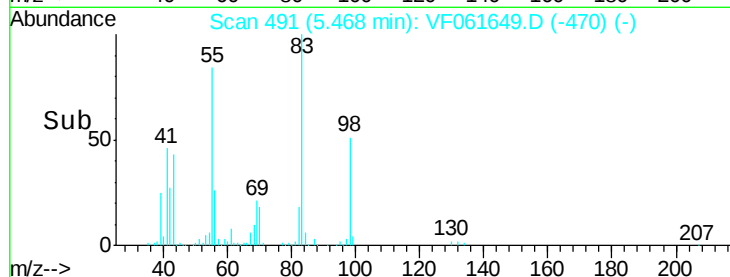
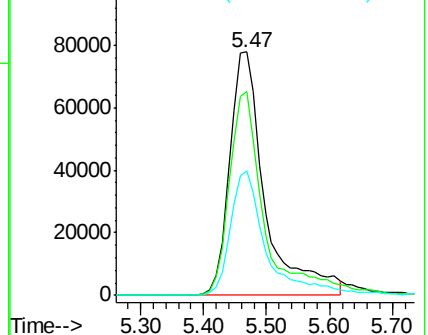
98 51.1 40.4 60.6



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#40

Benzene

Concen: 48.583 ug/l

RT: 4.64 min Scan# 407

Delta R.T. -0.00 min

Lab File: VF061649.D

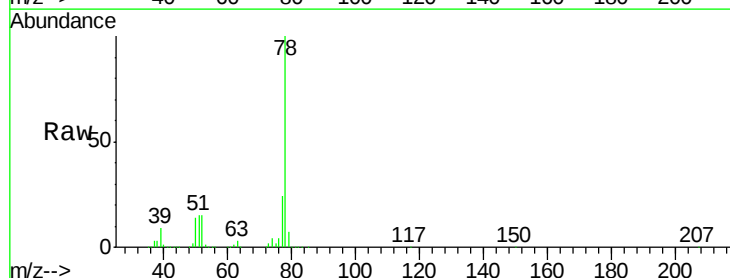
Acq: 15 Feb 2019 11:05

Tgt Ion: 78 Resp: 653389

Ion Ratio Lower Upper

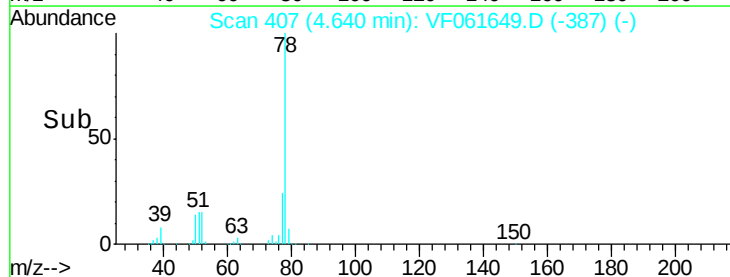
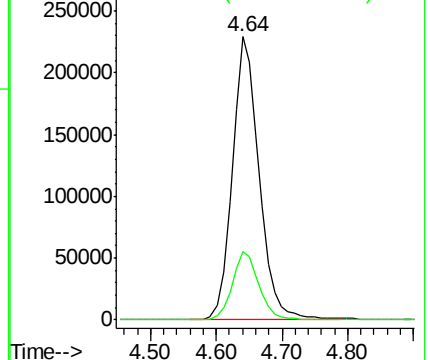
78 100

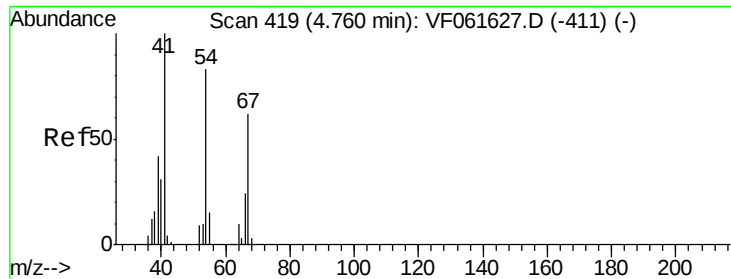
77 24.0 19.0 28.6



Abundance Ion 78.10 (77.80 to 78.80): VF0

Ion 77.00 (76.70 to 77.70): VF0





#41

Methacrylonitrile

Concen: 40.100 ug/l

RT: 4.76 min Scan# 419

Delta R.T. -0.00 min

Lab File: VF061649.D

Acq: 15 Feb 2019 11:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 48975

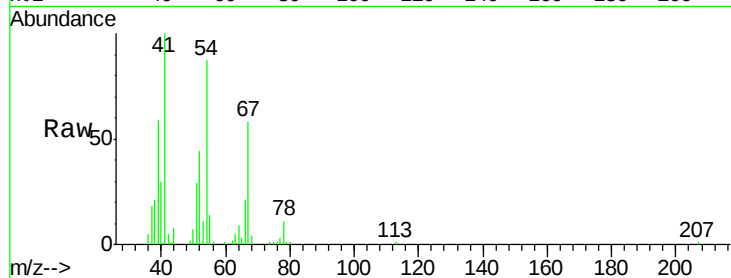
Ion Ratio Lower Upper

41 100

39 58.8 45.3 67.9

67 57.5 49.3 73.9

52 44.0 32.6 49.0

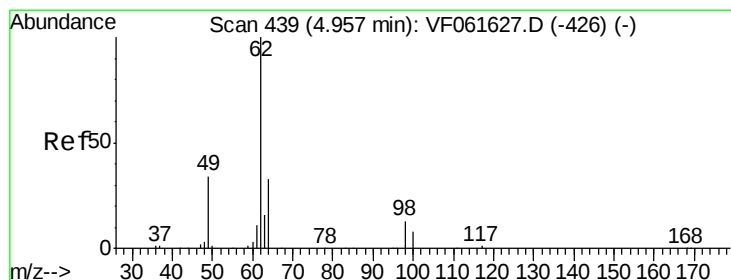
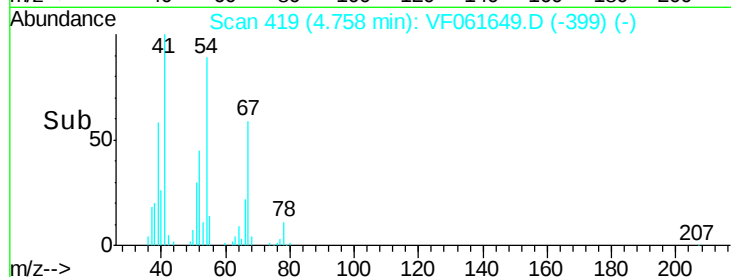
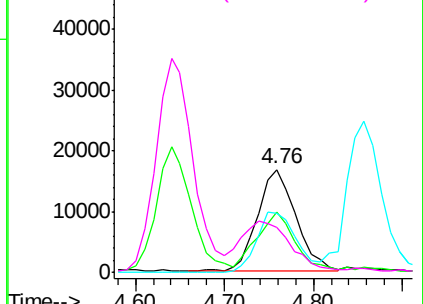


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 44.553 ug/l

RT: 4.96 min Scan# 439

Delta R.T. -0.00 min

Lab File: VF061649.D

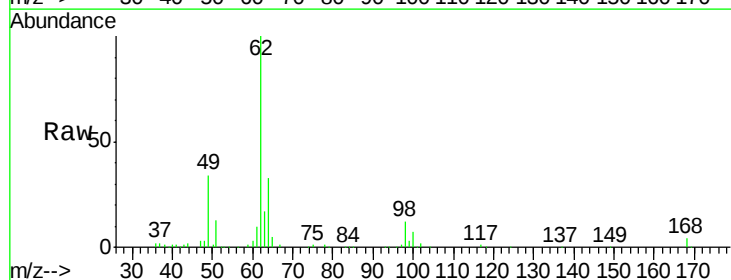
Acq: 15 Feb 2019 11:05

Tgt Ion: 62 Resp: 143329

Ion Ratio Lower Upper

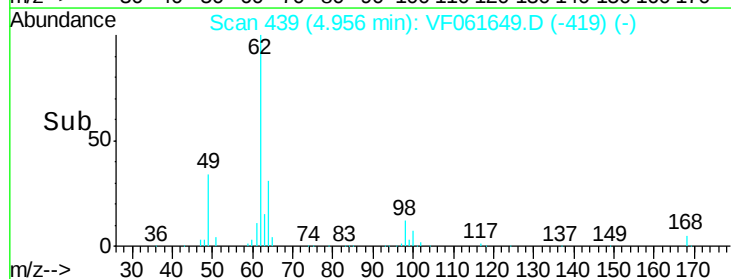
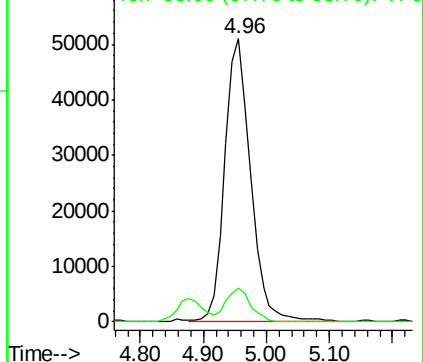
62 100

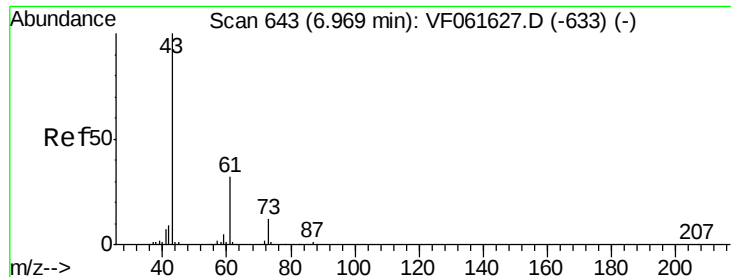
98 11.8 0.0 26.0



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



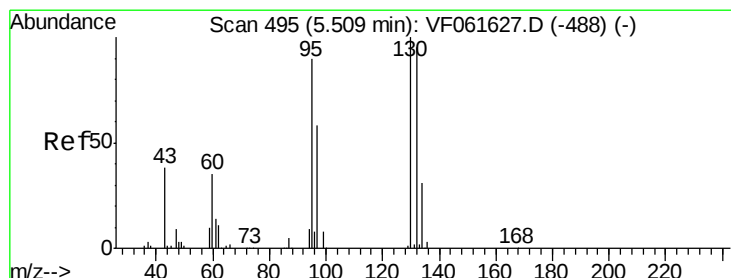
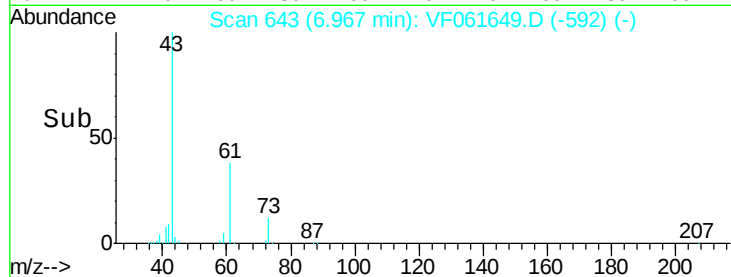
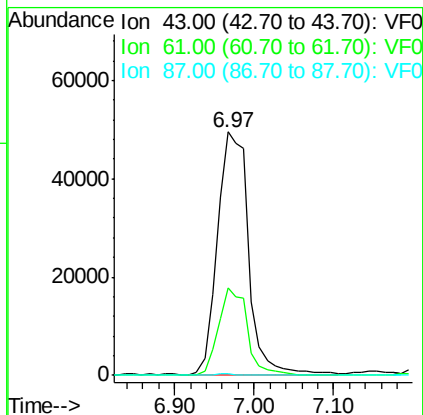
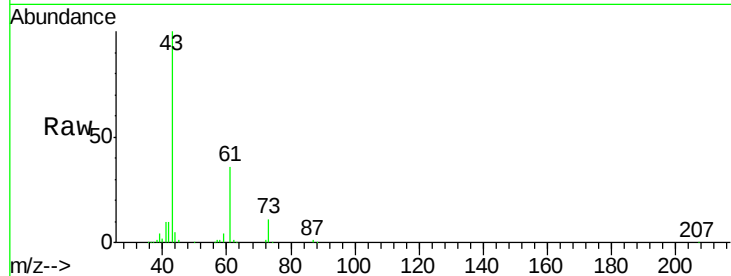


#43

Isopropyl Acetate
 Concen: 47.829 ug/l
 RT: 6.97 min Scan# 643
 Delta R.T. -0.00 min
 Lab File: VF061649.D
 Acq: 15 Feb 2019 11:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

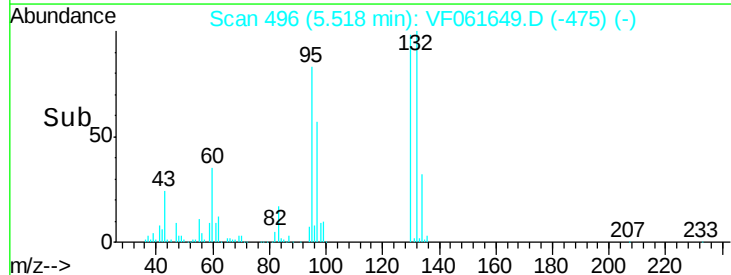
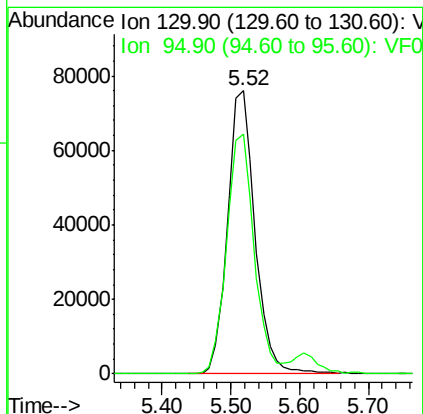
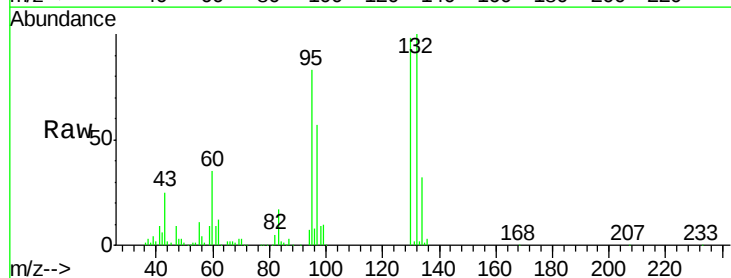
Tot Ion: 43 Resp: 135206
 Ion Ratio Lower Upper
 43 100
 61 36.0 25.8 38.6
 87 0.6 0.4 0.6

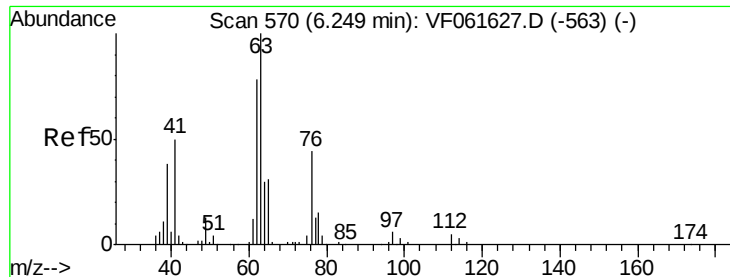


#44

Trichloroethene
 Concen: 48.305 ug/l
 RT: 5.52 min Scan# 496
 Delta R.T. 0.01 min
 Lab File: VF061649.D
 Acq: 15 Feb 2019 11:05

Tgt Ion:130 Resp: 210082
 Ion Ratio Lower Upper
 130 100
 95 84.8 0.0 179.4





#45

1,2-Dichloropropane

Concen: 46.966 ug/l

RT: 6.25 min Scan# 570

Delta R.T. -0.00 min

Lab File: VF061649.D

Acq: 15 Feb 2019 11:05

Instrument :

MSVOA_F

ClientSampleId :

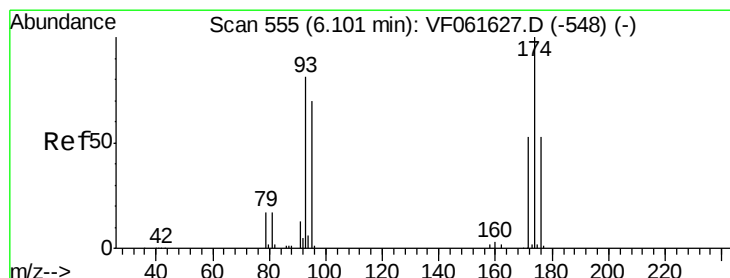
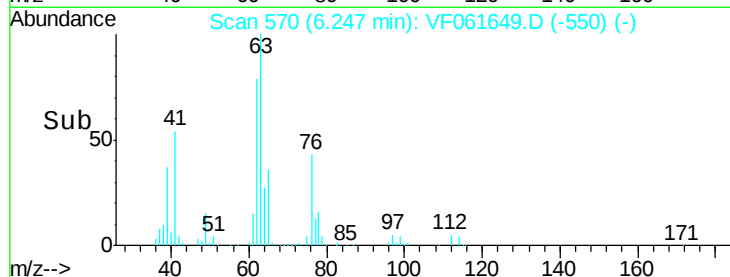
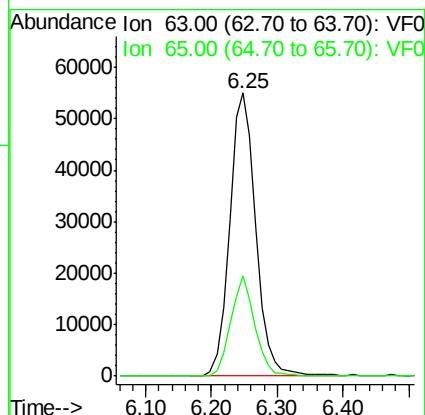
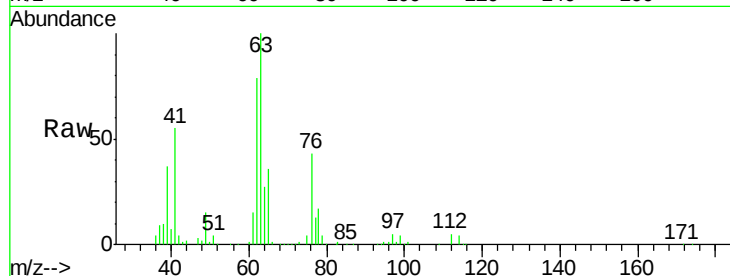
VSTDCCC050

Tot Ion: 63 Resp: 152678

Ion Ratio Lower Upper

63 100

65 35.5 24.9 37.3



#46

Dibromomethane

Concen: 48.200 ug/l

RT: 6.10 min Scan# 555

Delta R.T. -0.00 min

Lab File: VF061649.D

Acq: 15 Feb 2019 11:05

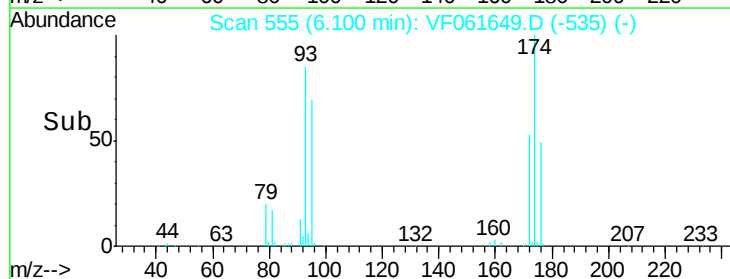
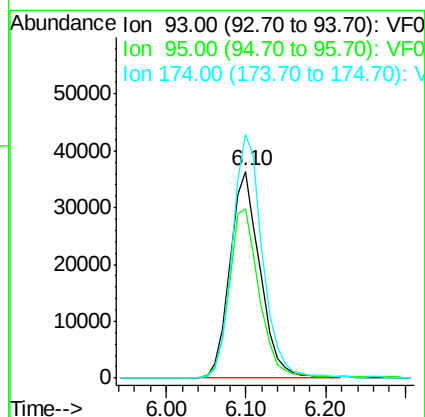
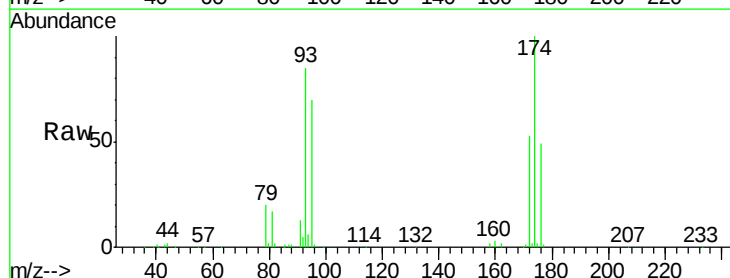
Tgt Ion: 93 Resp: 96476

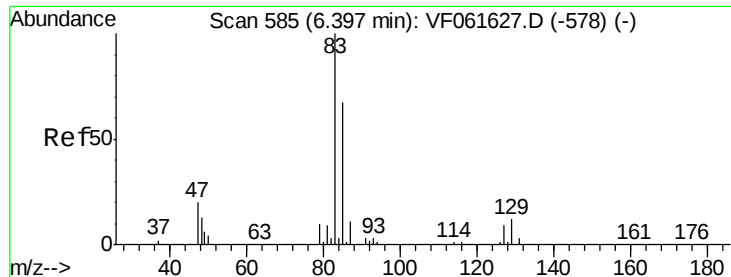
Ion Ratio Lower Upper

93 100

95 82.0 69.0 103.6

174 117.6 99.3 148.9





#47

Bromodichloromethane

Concen: 47.818 ug/l

RT: 6.40 min Scan# 585

Delta R.T. -0.00 min

Lab File: VF061649.D

Acq: 15 Feb 2019 11:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

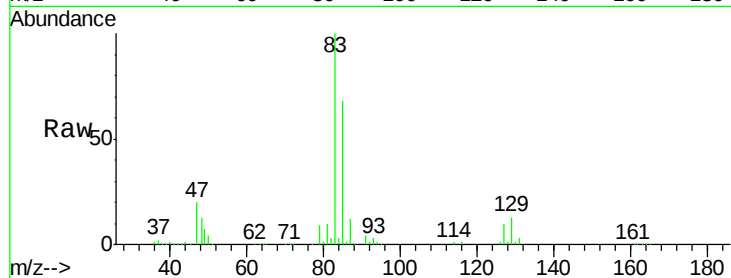
Tot Ion: 83 Resp: 209594

Ion Ratio Lower Upper

83 100

85 67.7 53.4 80.2

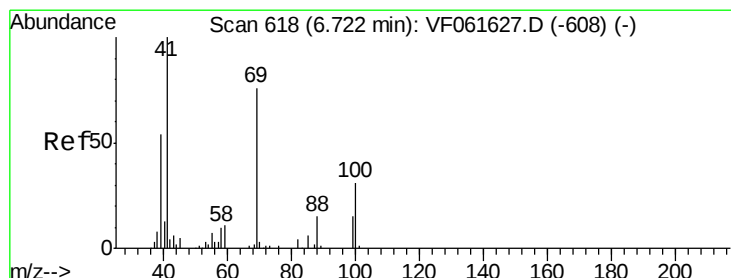
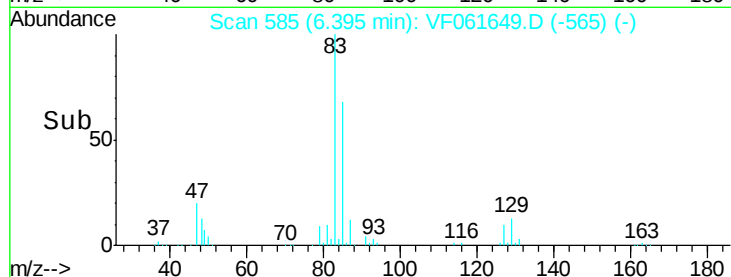
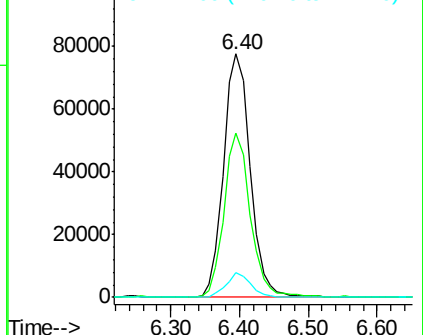
127 10.0 7.5 11.3



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: 40.708 ug/l

RT: 6.73 min Scan# 619

Delta R.T. 0.01 min

Lab File: VF061649.D

Acq: 15 Feb 2019 11:05

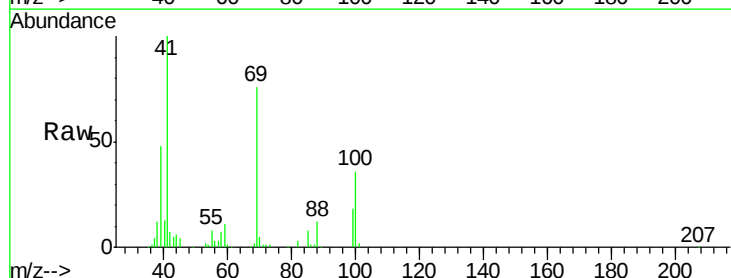
Tgt Ion: 41 Resp: 69251

Ion Ratio Lower Upper

41 100

69 75.8 60.4 90.6

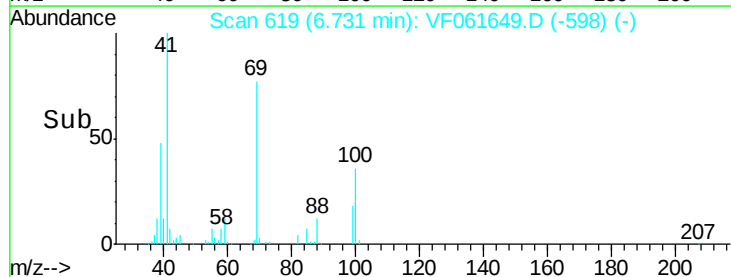
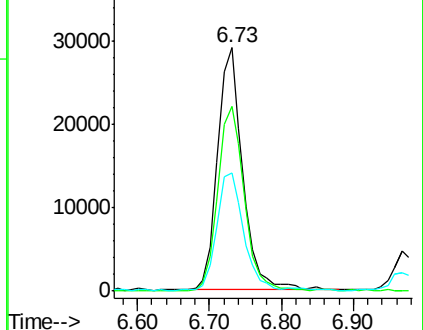
39 48.4 43.7 65.5

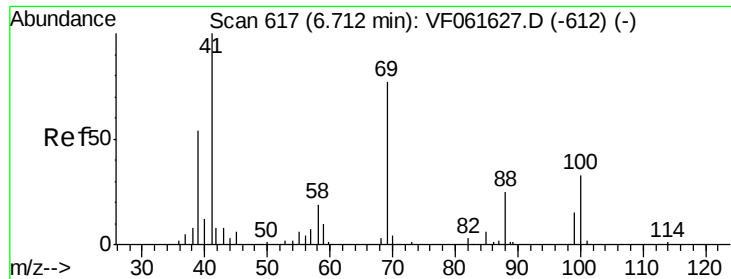


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 863.375 ug/l

RT: 6.72 min Scan# 618

Delta R.T. 0.01 min

Lab File: VF061649.D

Acq: 15 Feb 2019 11:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

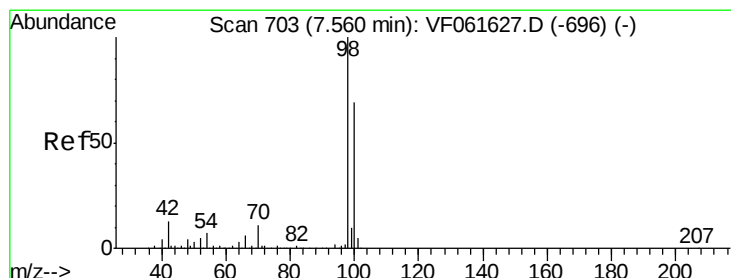
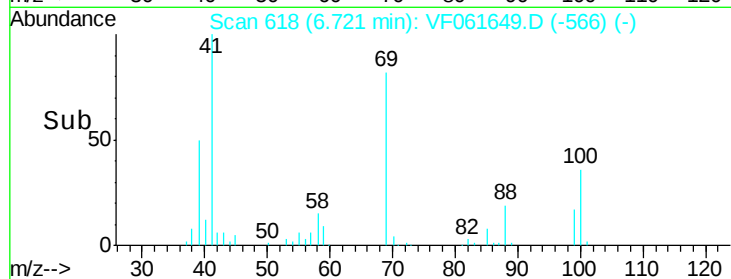
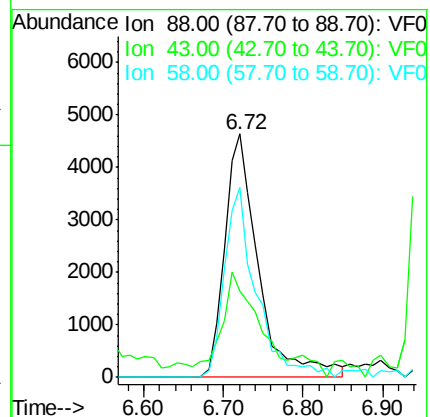
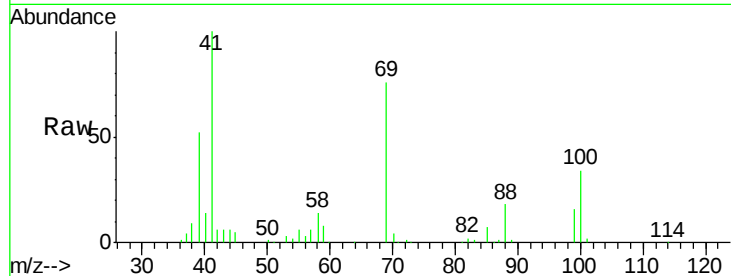
Tot Ion: 88 Resp: 13807

Ion Ratio Lower Upper

88 100

43 35.6 32.3 48.5

58 77.8 59.4 89.2



#50

Toluene-d8

Concen: 51.086 ug/l

RT: 7.57 min Scan# 704

Delta R.T. 0.01 min

Lab File: VF061649.D

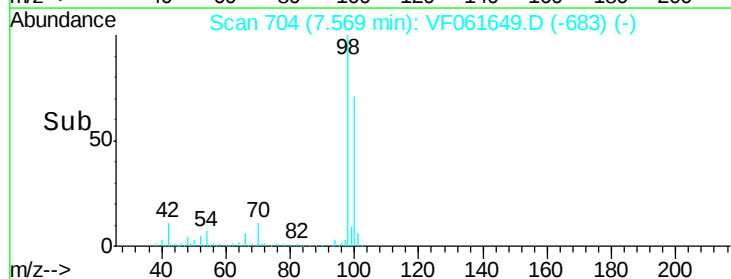
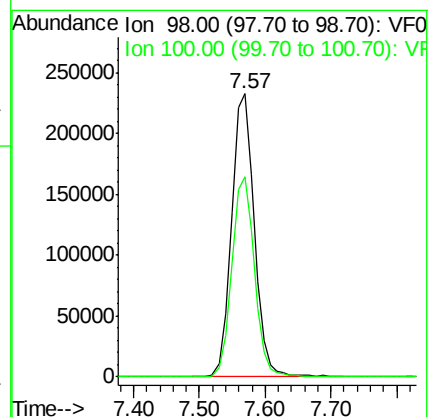
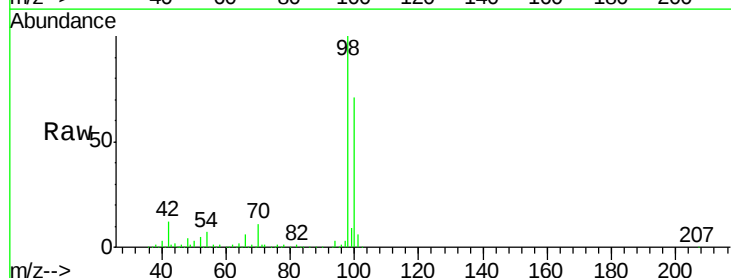
Acq: 15 Feb 2019 11:05

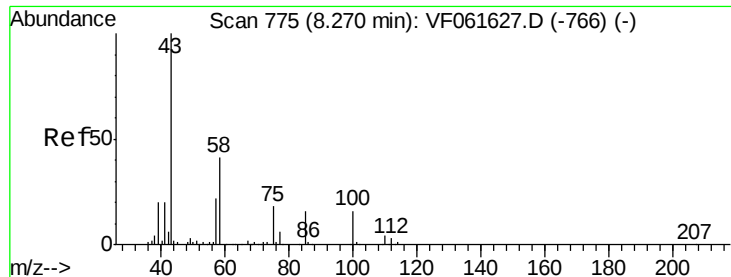
Tgt Ion: 98 Resp: 566044

Ion Ratio Lower Upper

98 100

100 70.8 55.4 83.2





#51

4-Methyl-2-Pentanone

Concen: 213.442 ug/l

RT: 8.27 min Scan# 775

Delta R.T. -0.00 min

Lab File: VF061649.D

Acq: 15 Feb 2019 11:05

Instrument :

MSVOA_F

ClientSampleId :

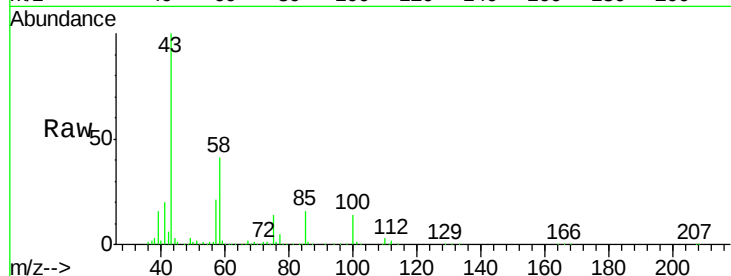
VSTDCCC050

Tot Ion: 43 Resp: 431127

Ion Ratio Lower Upper

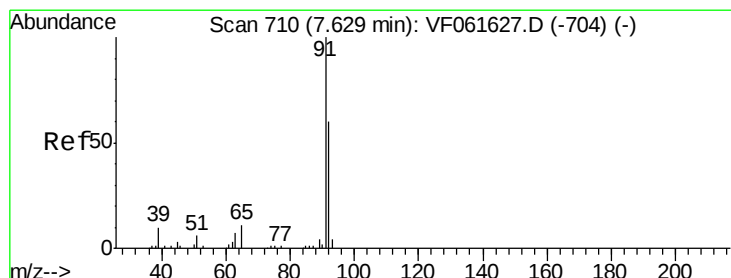
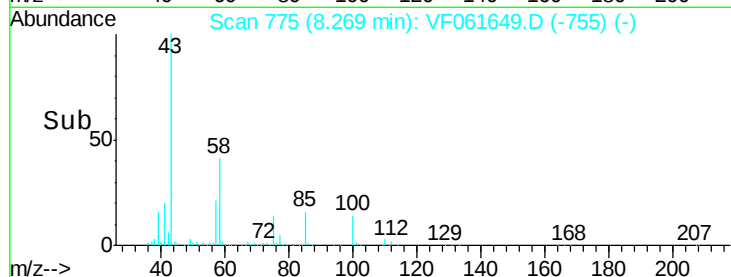
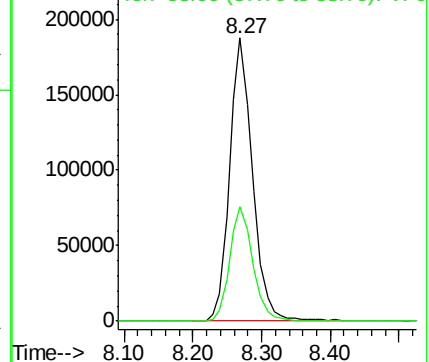
43 100

58 40.6 33.1 49.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 46.532 ug/l

RT: 7.64 min Scan# 711

Delta R.T. 0.01 min

Lab File: VF061649.D

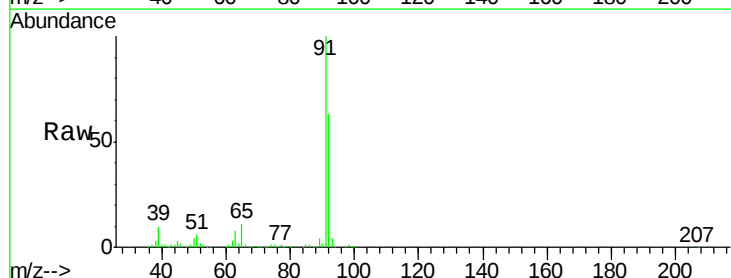
Acq: 15 Feb 2019 11:05

Tgt Ion: 92 Resp: 379538

Ion Ratio Lower Upper

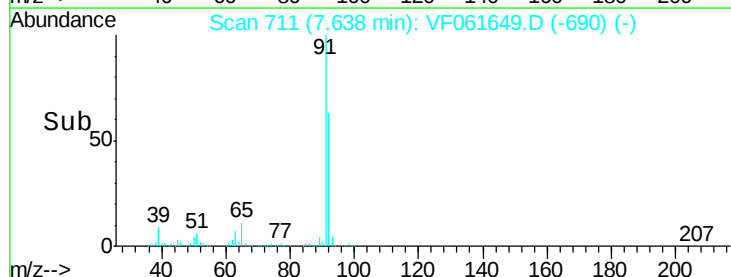
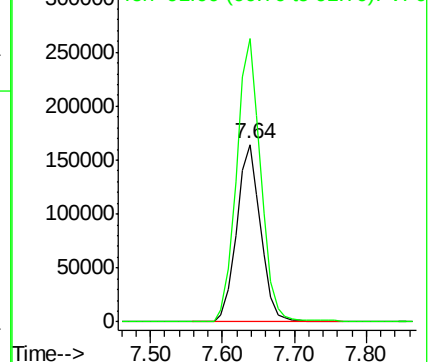
92 100

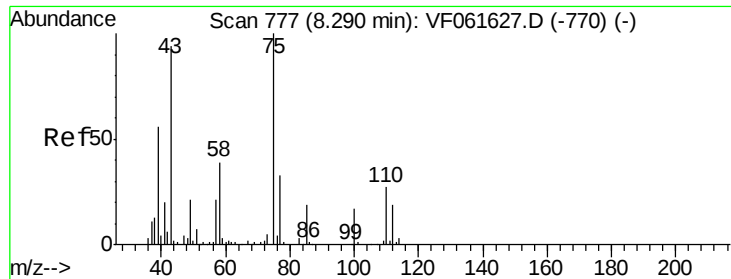
91 159.2 133.9 200.9



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

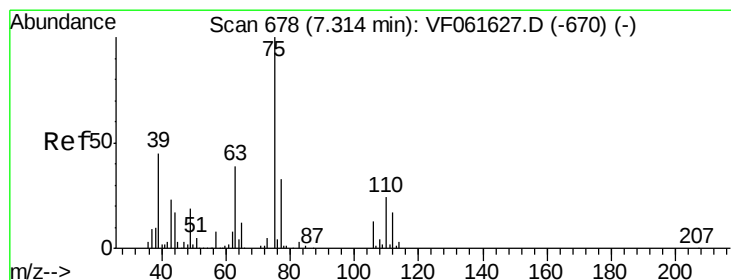
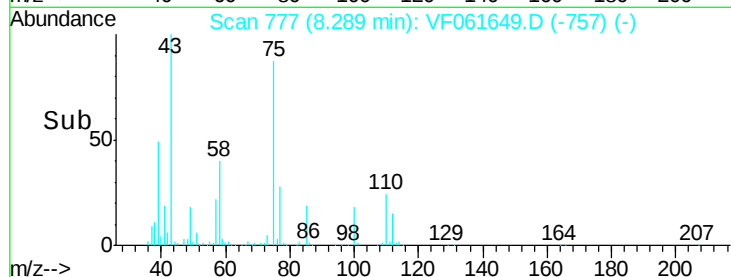
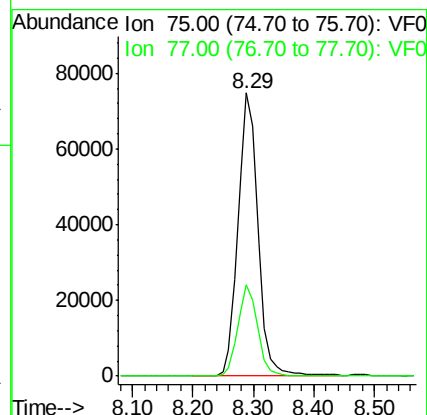
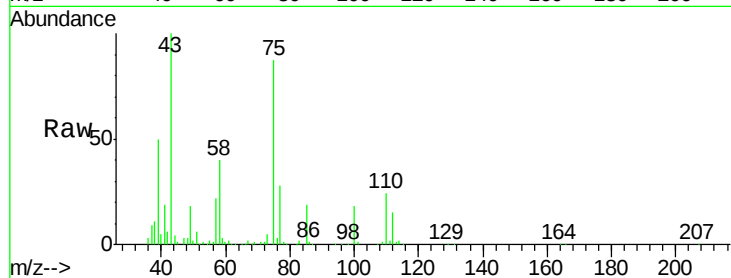




#53
t-1,3-Dichloropropene
Concen: 47.175 ug/l
RT: 8.29 min Scan# 777
Delta R.T. -0.00 min
Lab File: VF061649.D
Acq: 15 Feb 2019 11:05

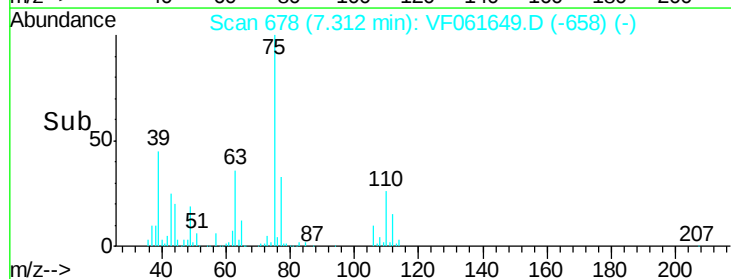
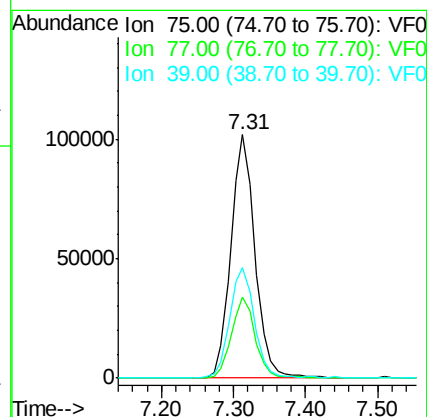
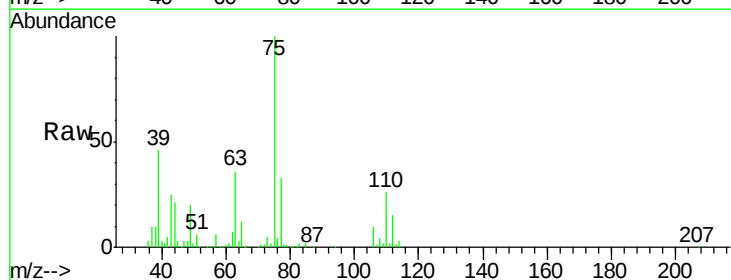
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

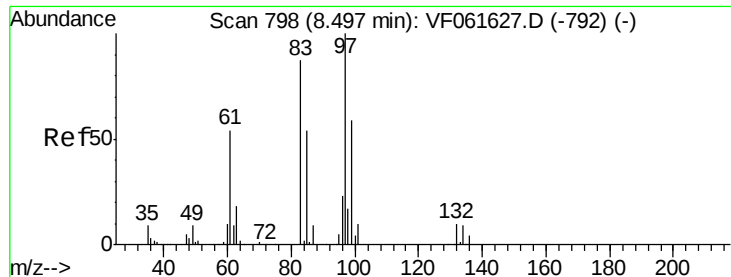
Tot Ion: 75 Resp: 172094
Ion Ratio Lower Upper
75 100
77 32.2 26.2 39.2



#54
cis-1,3-Dichloropropene
Concen: 48.970 ug/l
RT: 7.31 min Scan# 678
Delta R.T. -0.00 min
Lab File: VF061649.D
Acq: 15 Feb 2019 11:05

Tgt Ion: 75 Resp: 237947
Ion Ratio Lower Upper
75 100
77 33.2 26.4 39.6
39 45.5 36.0 54.0



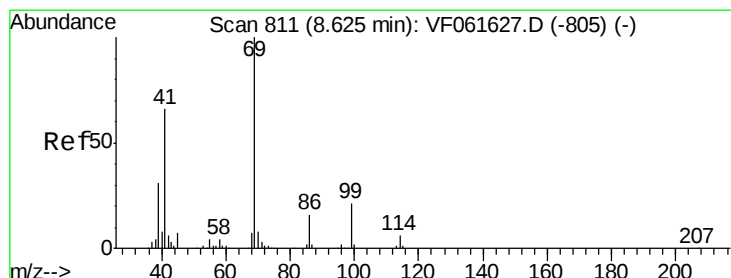
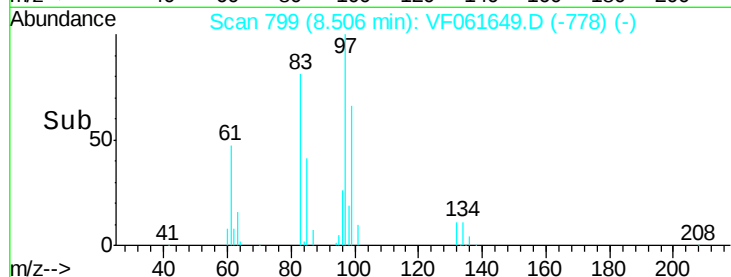
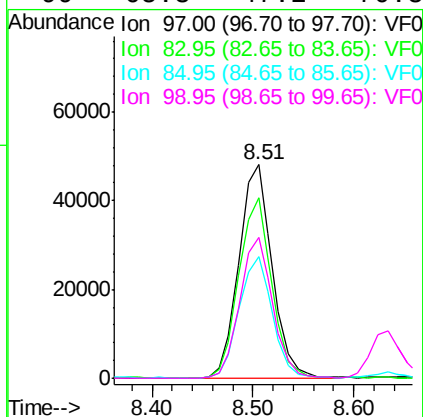
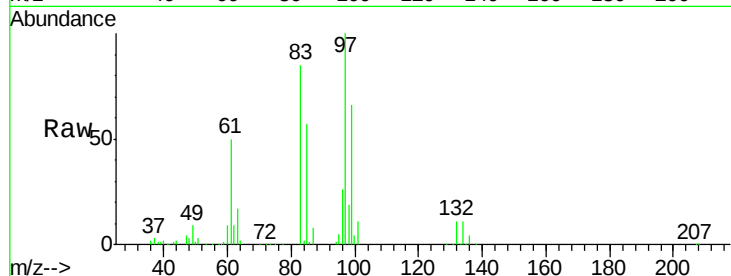


#55
 1,1,2-Trichloroethane
 Concen: 46.128 ug/l
 RT: 8.51 min Scan# 799
 Delta R.T. 0.01 min
 Lab File: VF061649.D
 Acq: 15 Feb 2019 11:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion: 97 Resp: 110544

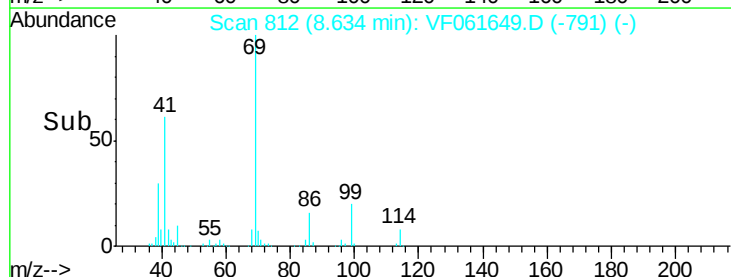
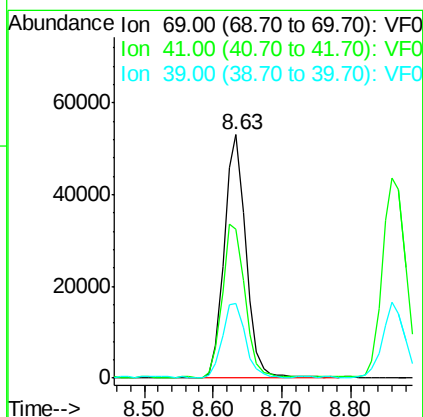
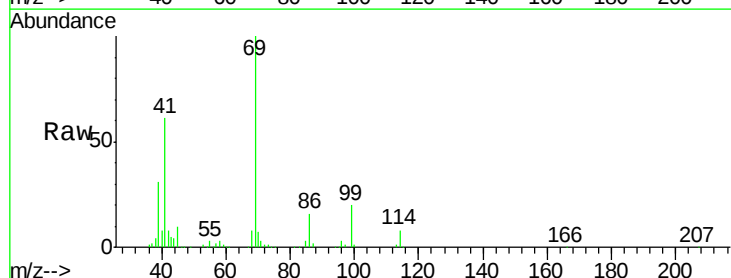
Ion	Ratio	Lower	Upper
97	100		
83	84.8	69.2	103.8
85	56.7	43.0	64.4
99	65.8	47.2	70.8

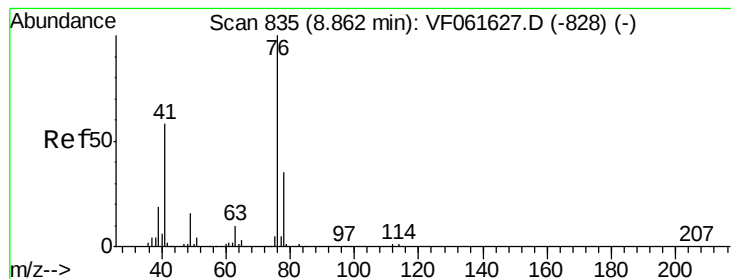


#56
 Ethyl methacrylate
 Concen: 43.710 ug/l
 RT: 8.63 min Scan# 812
 Delta R.T. 0.01 min
 Lab File: VF061649.D
 Acq: 15 Feb 2019 11:05

Tgt Ion: 69 Resp: 116623

Ion	Ratio	Lower	Upper
69	100		
41	60.9	52.9	79.3
39	30.7	24.5	36.7





#57

1,3-Dichloropropane

Concen: 46.306 ug/l

RT: 8.86 min Scan# 835

Delta R.T. -0.00 min

Lab File: VF061649.D

Acq: 15 Feb 2019 11:05

Instrument :

MSVOA_F

ClientSampleId :

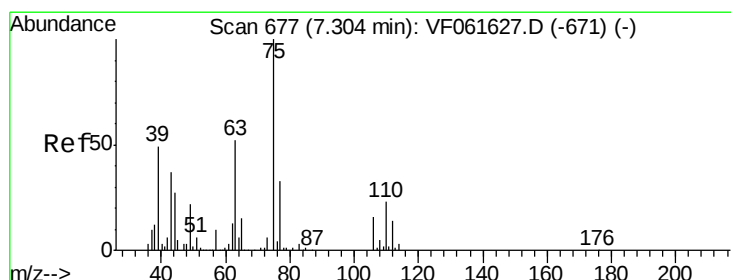
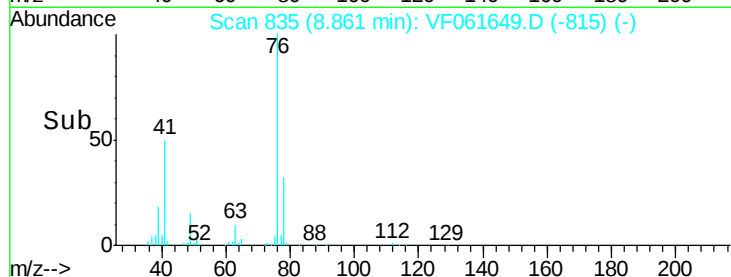
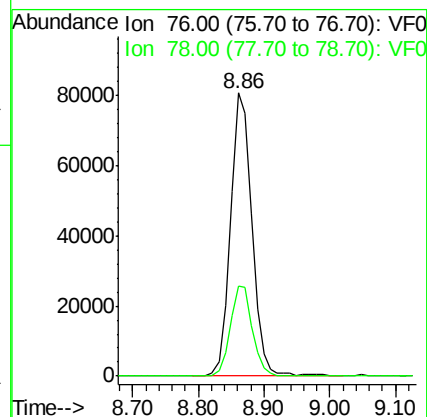
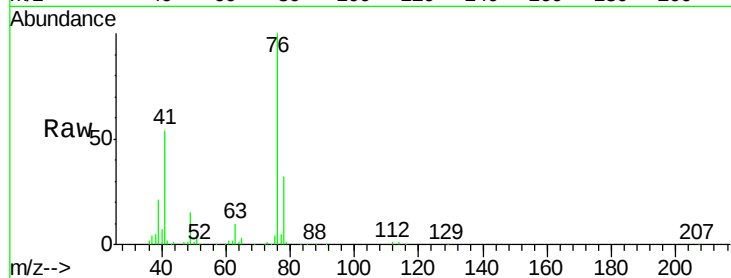
VSTDCCC050

Tot Ion: 76 Resp: 185226

Ion Ratio Lower Upper

76 100

78 31.6 27.8 41.6



#58

2-Chloroethyl Vinyl ether

Concen: 188.853 ug/l

RT: 7.30 min Scan# 677

Delta R.T. -0.00 min

Lab File: VF061649.D

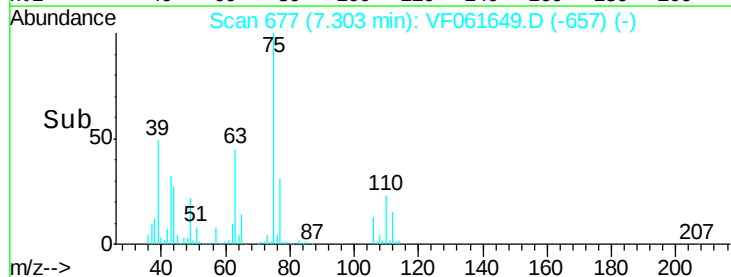
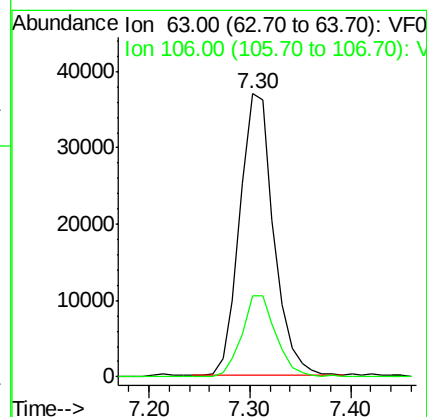
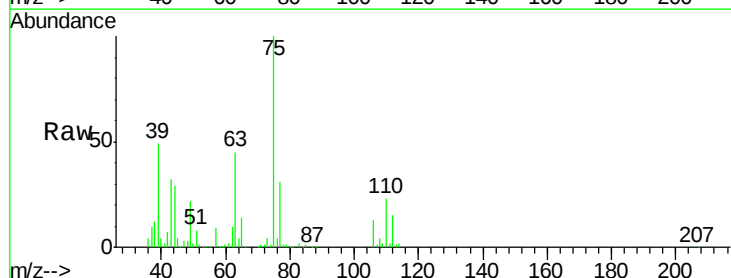
Acq: 15 Feb 2019 11:05

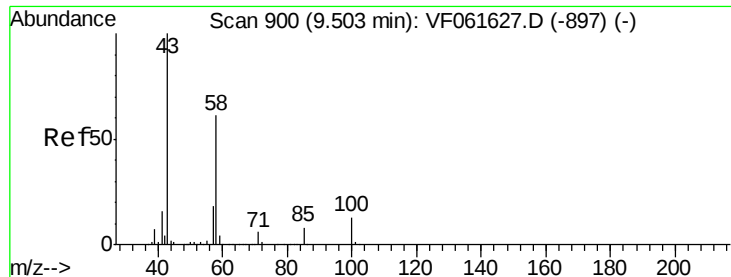
Tgt Ion: 63 Resp: 86938

Ion Ratio Lower Upper

63 100

106 28.7 24.6 36.8





#59

2-Hexanone

Concen: 214.583 ug/l

RT: 9.50 min Scan# 900

Delta R.T. -0.00 min

Lab File: VF061649.D

Acq: 15 Feb 2019 11:05

Instrument :

MSVOA_F

ClientSampleId :

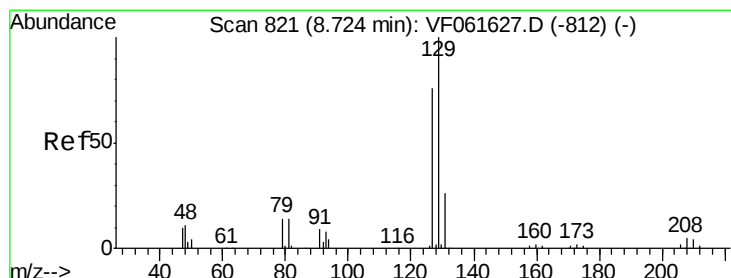
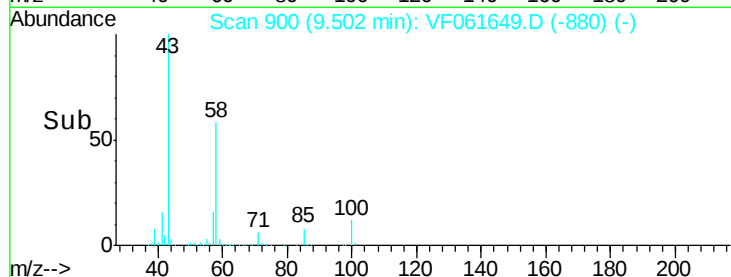
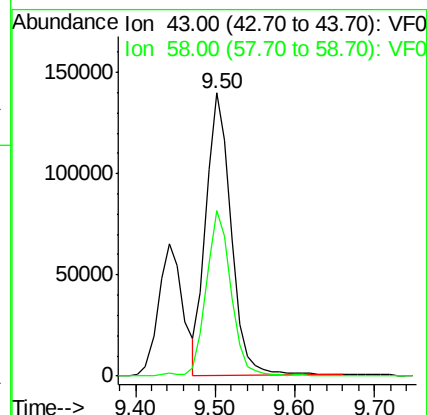
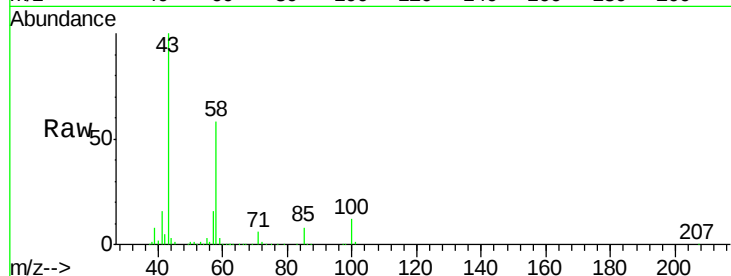
VSTDCCC050

Tot Ion: 43 Resp: 303825

Ion Ratio Lower Upper

43 100

58 58.5 28.5 85.5



#60

Dibromochloromethane

Concen: 45.825 ug/l

RT: 8.73 min Scan# 822

Delta R.T. 0.01 min

Lab File: VF061649.D

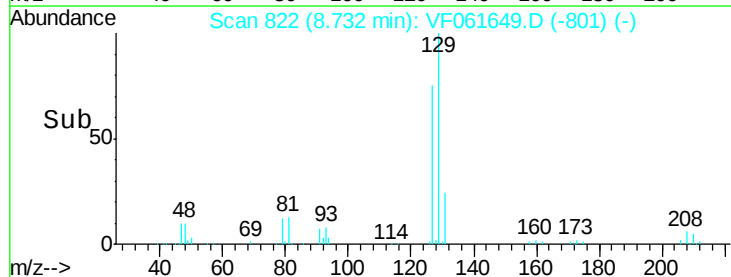
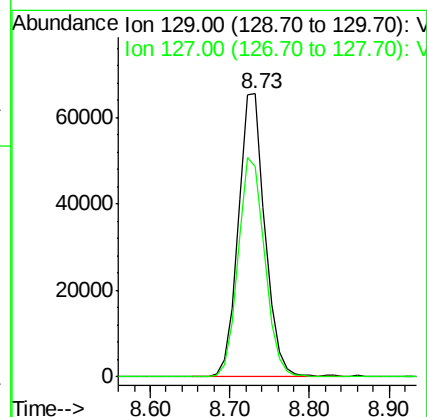
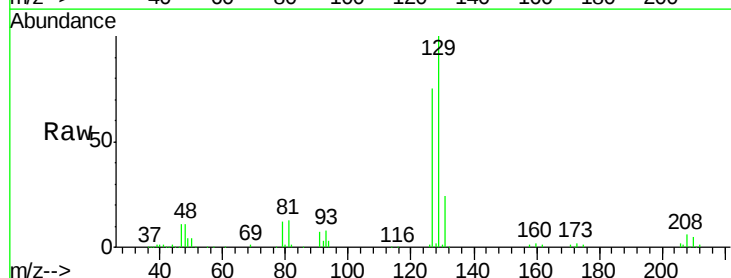
Acq: 15 Feb 2019 11:05

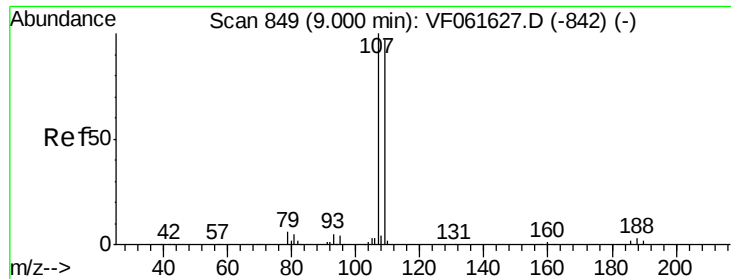
Tgt Ion: 129 Resp: 152852

Ion Ratio Lower Upper

129 100

127 74.6 37.8 113.4





#61

1,2-Dibromoethane

Concen: 45.265 ug/l

RT: 9.00 min Scan# 849

Delta R.T. -0.00 min

Lab File: VF061649.D

Acq: 15 Feb 2019 11:05

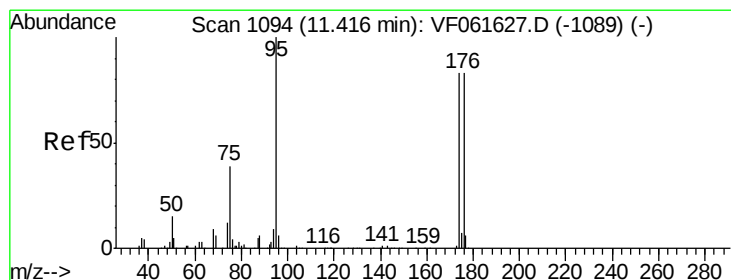
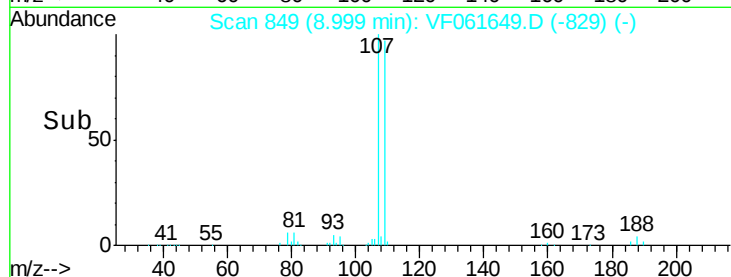
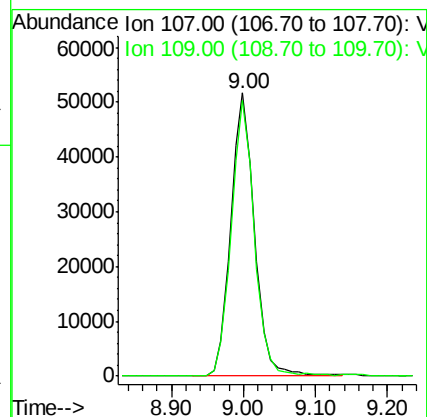
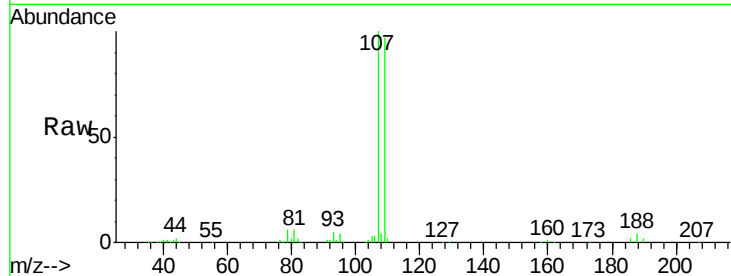
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:107 Resp: 117657

Ion Ratio Lower Upper

107 100

109 97.3 77.4 116.0



#62

4-Bromofluorobenzene

Concen: 46.240 ug/l

RT: 11.42 min Scan# 1095

Delta R.T. 0.01 min

Lab File: VF061649.D

Acq: 15 Feb 2019 11:05

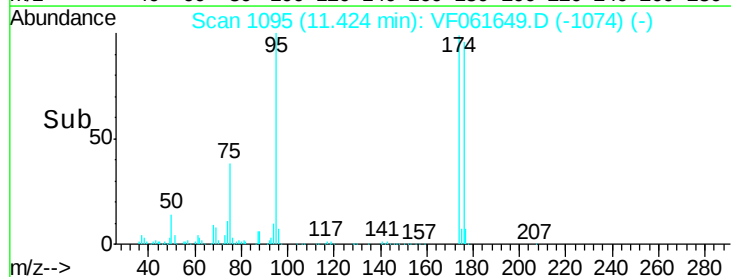
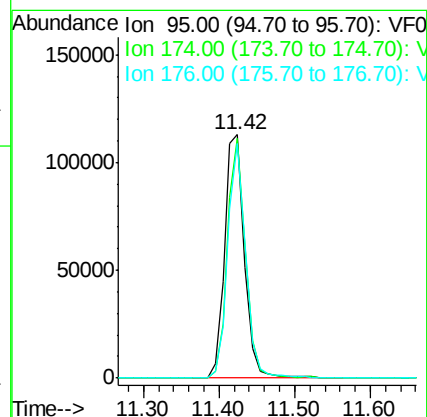
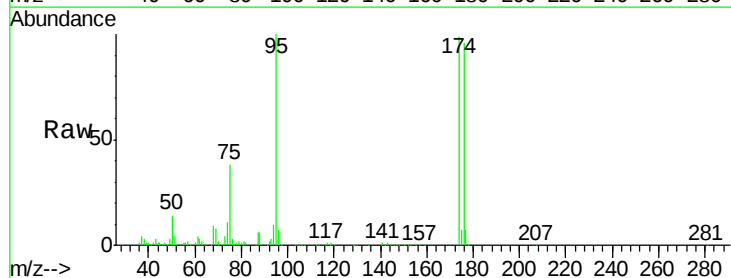
Tgt Ion: 95 Resp: 207307

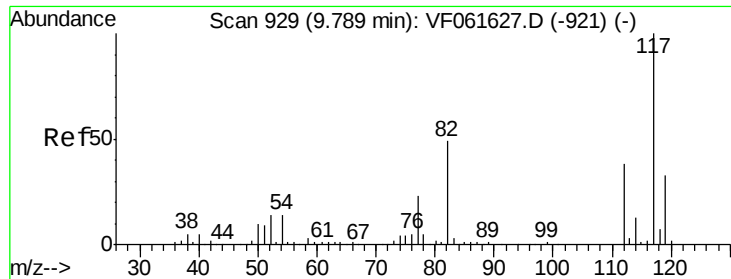
Ion Ratio Lower Upper

95 100

174 98.7 0.0 165.8

176 96.2 0.0 167.0

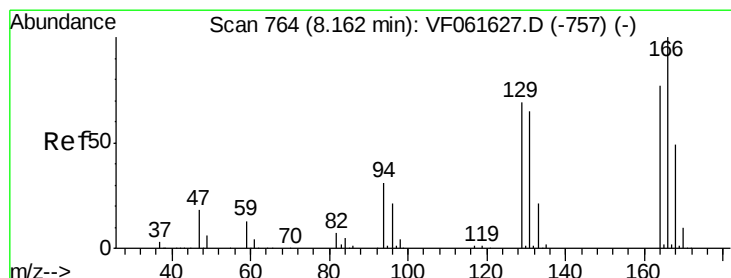
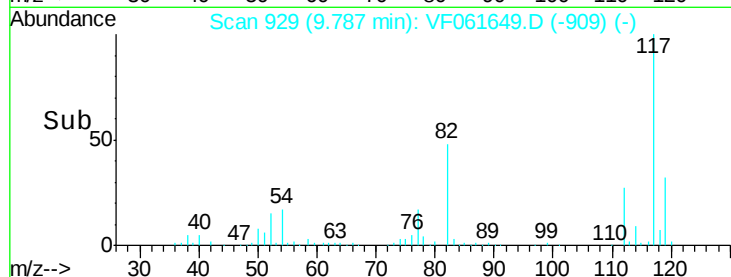
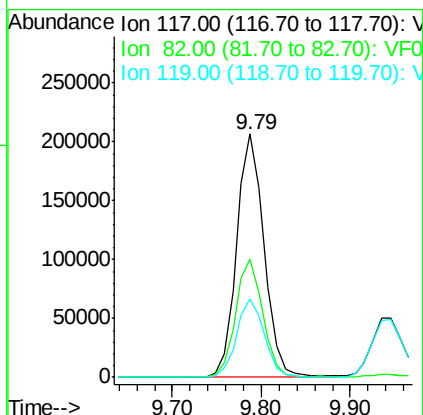
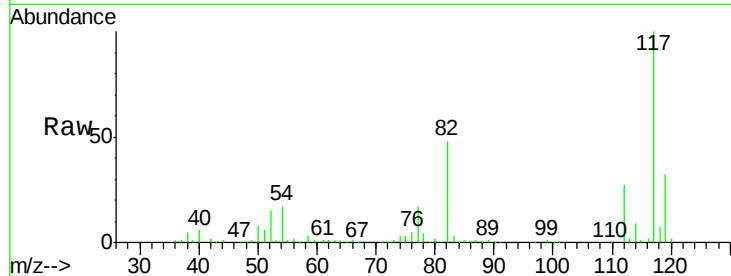




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.79 min Scan# 929
Delta R.T. -0.00 min
Lab File: VF061649.D
Acq: 15 Feb 2019 11:05

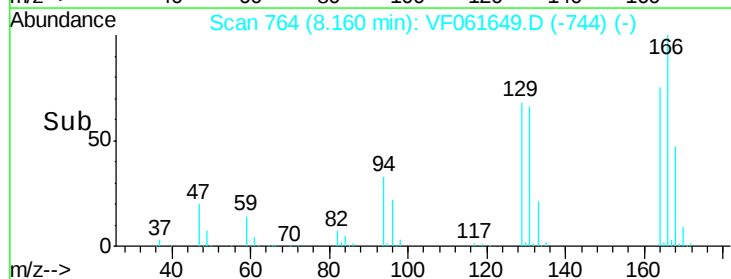
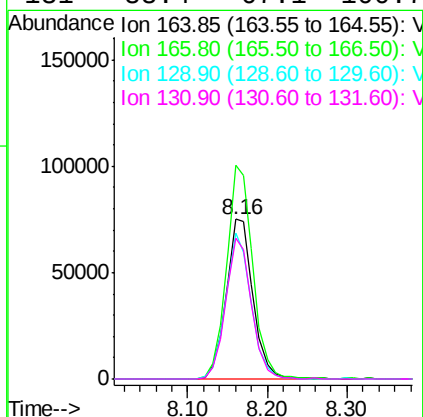
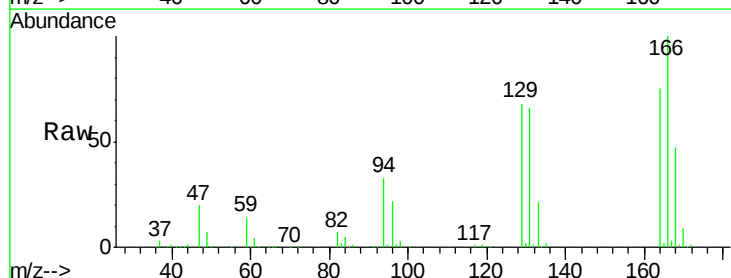
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

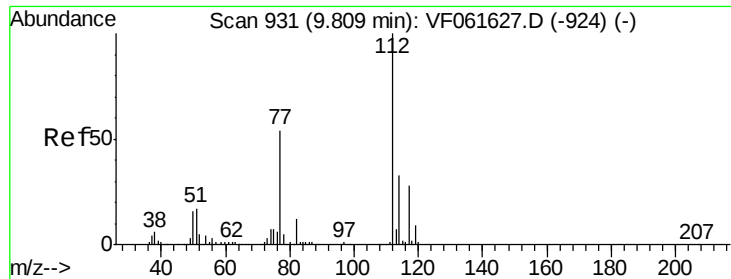
Tot Ion:117 Resp: 444199
Ion Ratio Lower Upper
117 100
82 48.4 39.3 58.9
119 32.4 26.6 40.0



#64
Tetrachloroethene
Concen: 48.859 ug/l
RT: 8.16 min Scan# 764
Delta R.T. -0.00 min
Lab File: VF061649.D
Acq: 15 Feb 2019 11:05

Tgt Ion:164 Resp: 177397
Ion Ratio Lower Upper
164 100
166 133.7 103.9 155.9
129 91.1 71.3 106.9
131 88.4 67.1 100.7

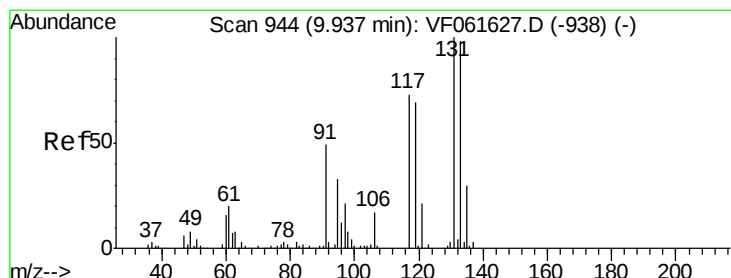
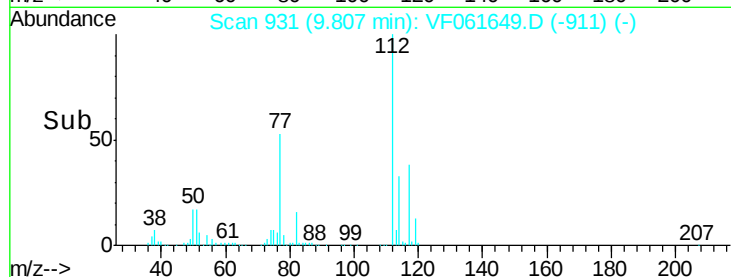
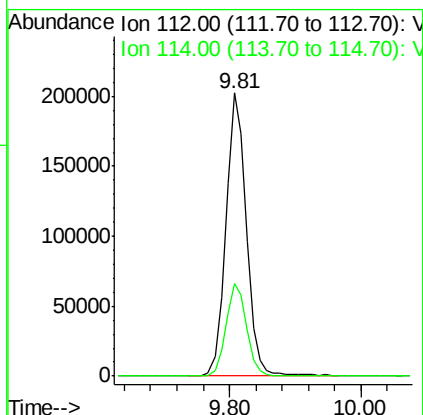
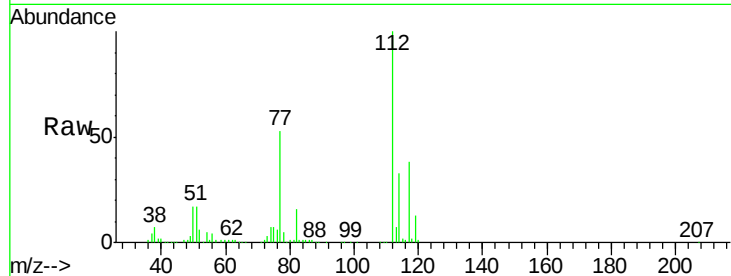




#65
Chlorobenzene
Concen: 48.804 ug/l
RT: 9.81 min Scan# 931
Delta R.T. -0.00 min
Lab File: VF061649.D
Acq: 15 Feb 2019 11:05

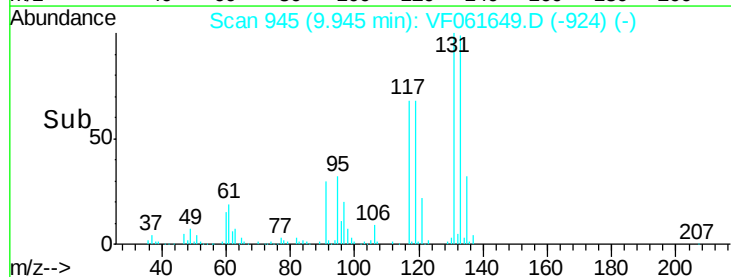
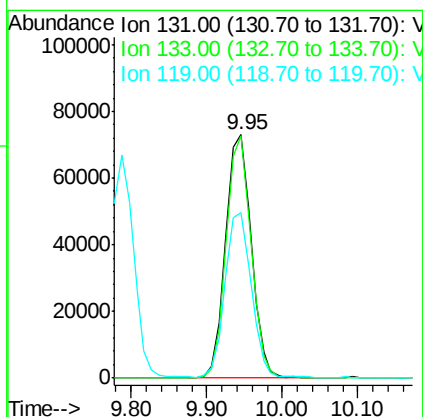
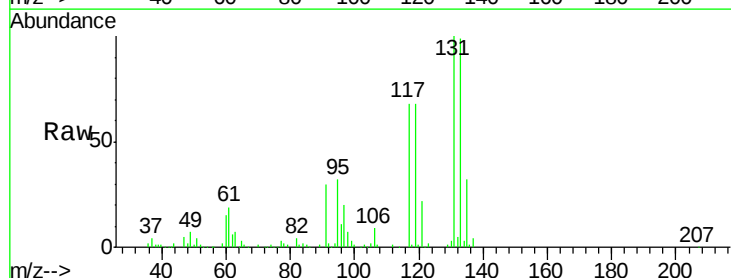
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

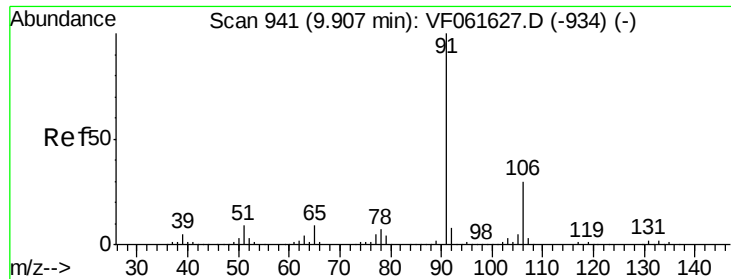
Tot Ion:112 Resp: 439908
Ion Ratio Lower Upper
112 100
114 32.6 26.2 39.2



#66
1,1,1,2-Tetrachloroethane
Concen: 48.774 ug/l
RT: 9.95 min Scan# 945
Delta R.T. 0.01 min
Lab File: VF061649.D
Acq: 15 Feb 2019 11:05

Tgt Ion:131 Resp: 172273
Ion Ratio Lower Upper
131 100
133 99.3 48.9 146.6
119 68.2 34.8 104.3

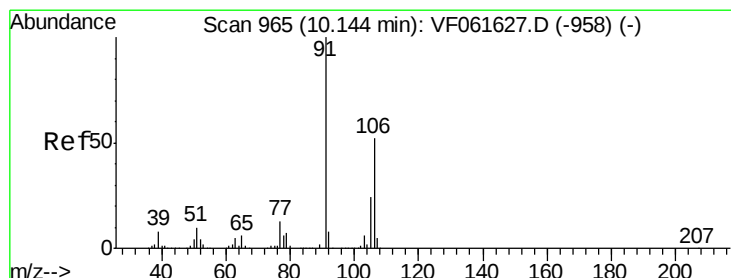
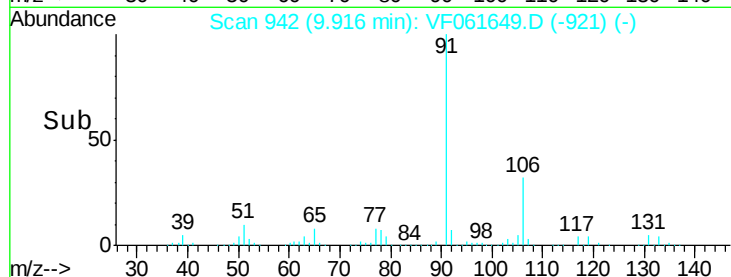
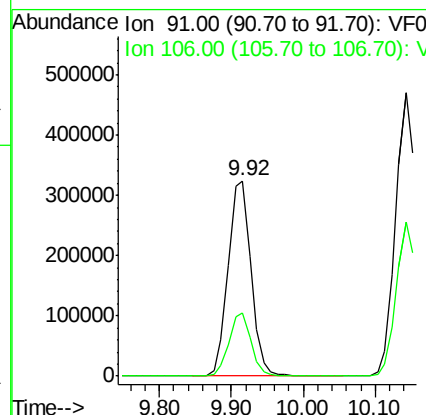
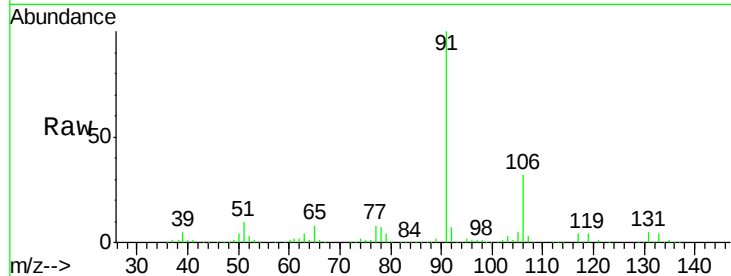




#67
Ethyl Benzene
Concen: 47.907 ug/l
RT: 9.92 min Scan# 942
Delta R.T. 0.01 min
Lab File: VF061649.D
Acq: 15 Feb 2019 11:05

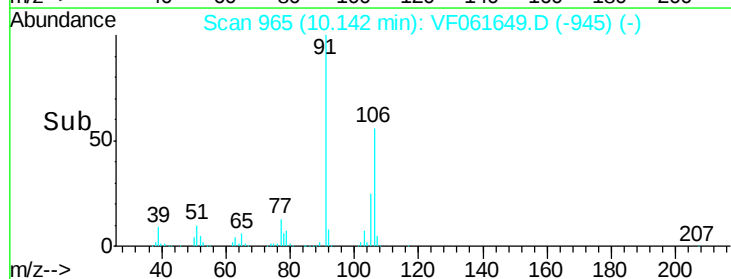
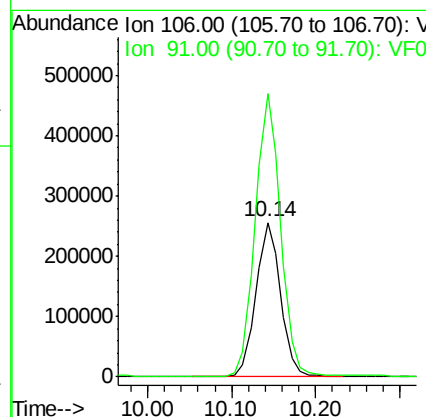
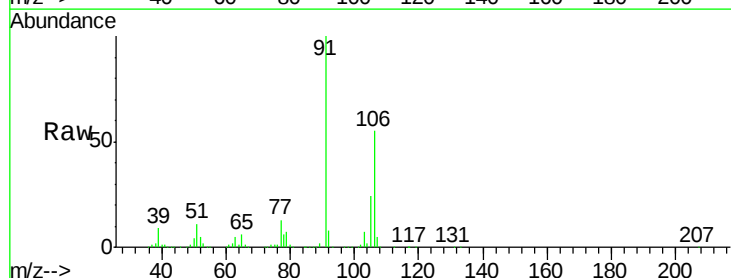
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

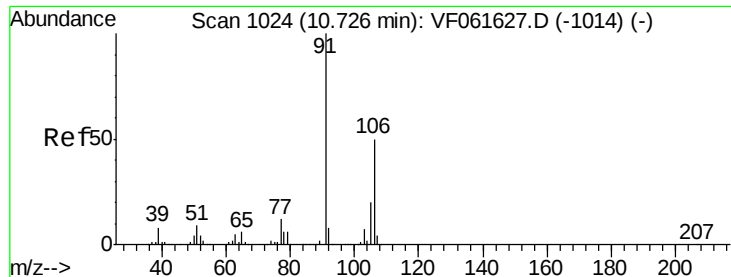
Tot Ion: 91 Resp: 718120
Ion Ratio Lower Upper
91 100
106 32.5 24.1 36.1



#68
m/p-Xylenes
Concen: 91.793 ug/l
RT: 10.14 min Scan# 965
Delta R.T. -0.00 min
Lab File: VF061649.D
Acq: 15 Feb 2019 11:05

Tgt Ion: 106 Resp: 526598
Ion Ratio Lower Upper
106 100
91 183.4 153.0 229.6

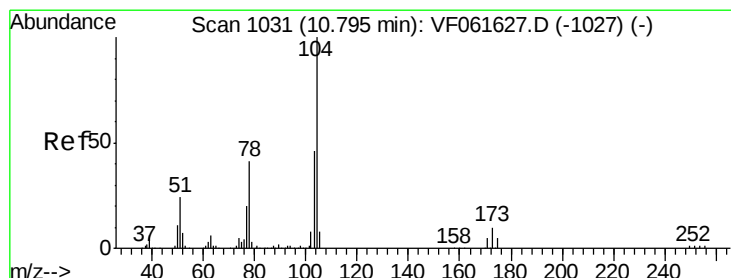
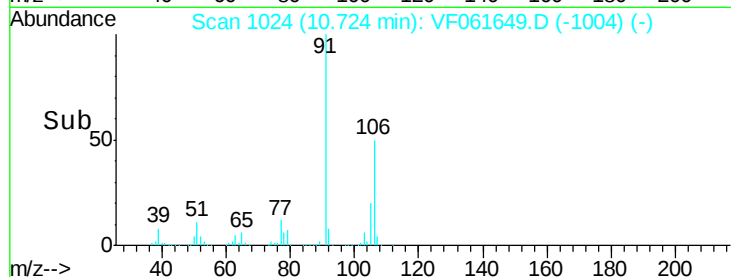
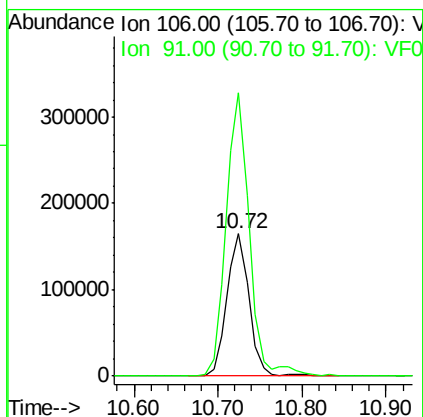
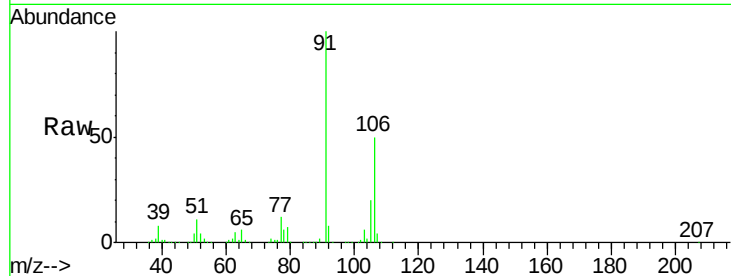




#69
o-Xylene
Concen: 49.101 ug/l
RT: 10.72 min Scan# 1024
Delta R.T. -0.00 min
Lab File: VF061649.D
Acq: 15 Feb 2019 11:05

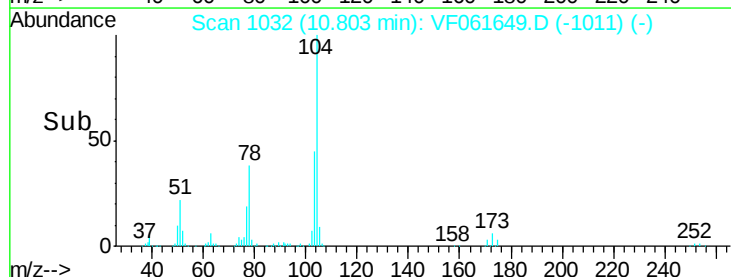
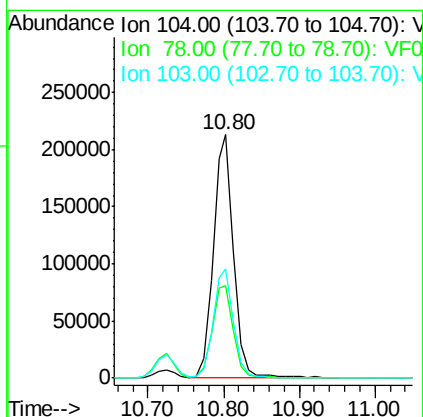
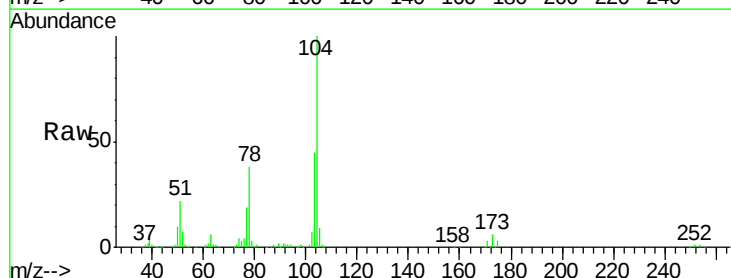
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

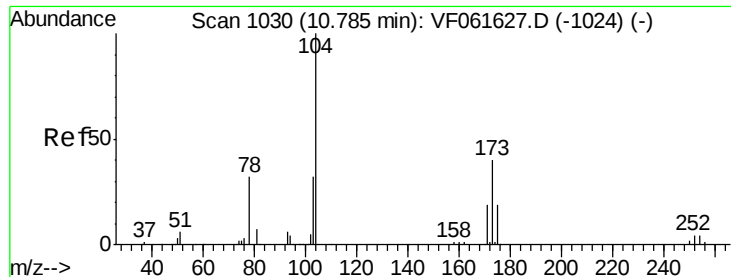
Tot Ion:106 Resp: 300569
Ion Ratio Lower Upper
106 100
91 199.0 100.1 300.1



#70
Styrene
Concen: 45.653 ug/l
RT: 10.80 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VF061649.D
Acq: 15 Feb 2019 11:05

Tgt Ion:104 Resp: 395356
Ion Ratio Lower Upper
104 100
78 38.0 33.2 49.8
103 44.8 37.2 55.8





#71

Bromoform

Concen: 44.523 ug/l

RT: 10.78 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VF061649.D

Acq: 15 Feb 2019 11:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

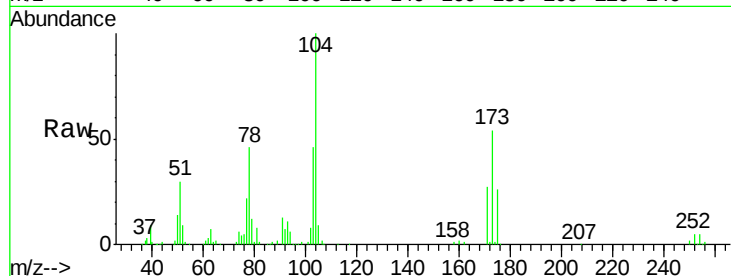
Tot Ion:173 Resp: 85394

Ion Ratio Lower Upper

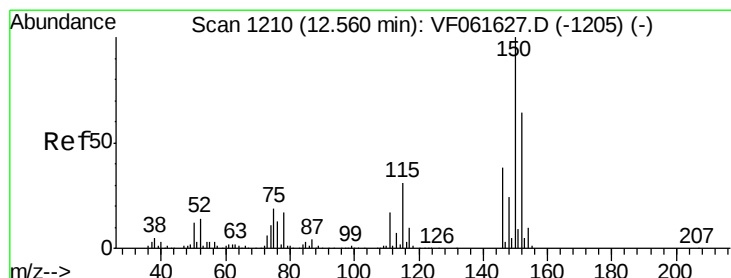
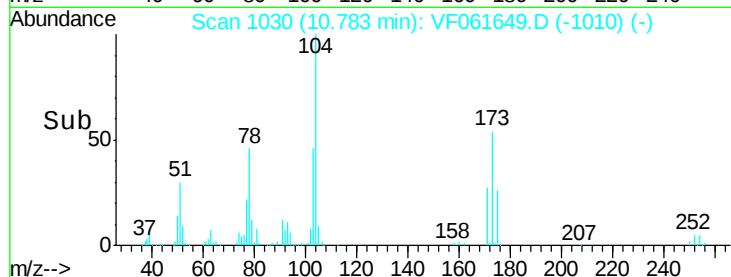
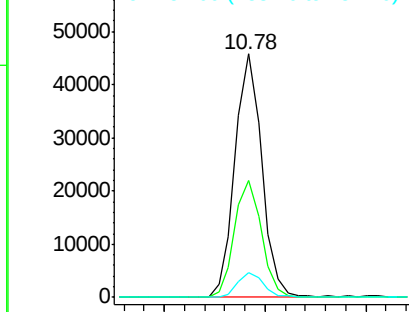
173 100

175 48.0 24.0 72.0

254 9.9 8.2 12.2



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: 12.56 min Scan# 1210

Delta R.T. -0.00 min

Lab File: VF061649.D

Acq: 15 Feb 2019 11:05

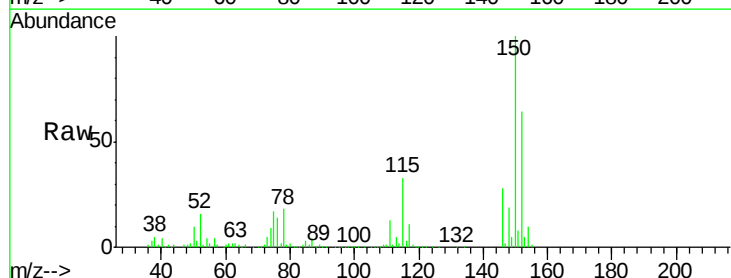
Tgt Ion:152 Resp: 237296

Ion Ratio Lower Upper

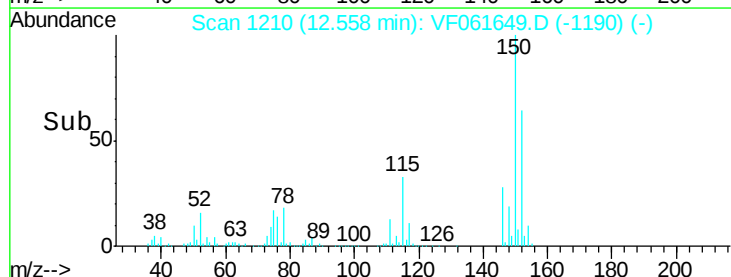
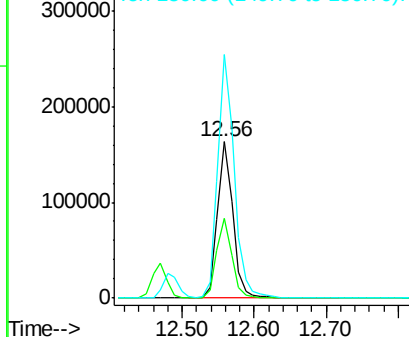
152 100

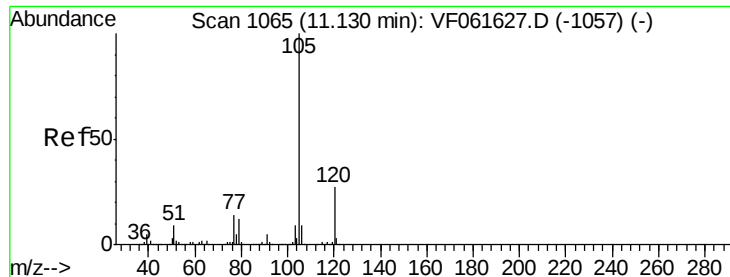
115 51.1 24.3 72.8

150 155.6 0.0 312.0



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: 50.370 ug/l

RT: 11.14 min Scan# 1066

Delta R.T. 0.01 min

Lab File: VF061649.D

Acq: 15 Feb 2019 11:05

Instrument :

MSVOA_F

ClientSampleId :

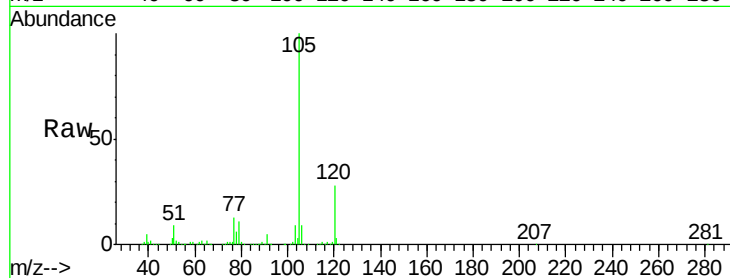
VSTDCCC050

Tot Ion:105 Resp: 851009

Ion Ratio Lower Upper

105 100

120 28.1 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.14

500000

400000

300000

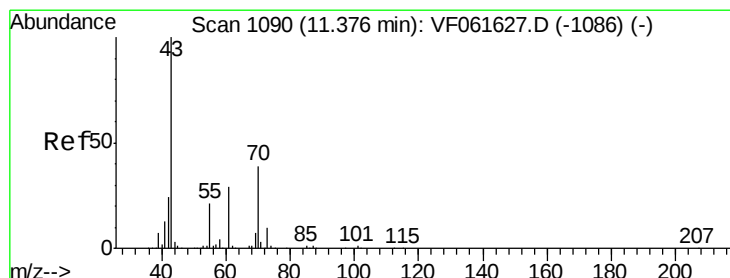
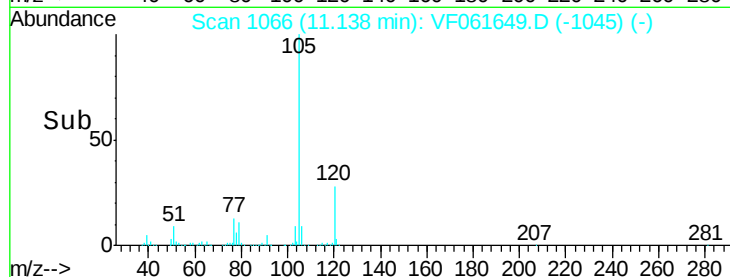
200000

100000

0

Time-->

11.00 11.20



#74

N-ethyl acetate

Concen: 46.319 ug/l

RT: 11.38 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VF061649.D

Acq: 15 Feb 2019 11:05

Tgt Ion: 43 Resp: 187833

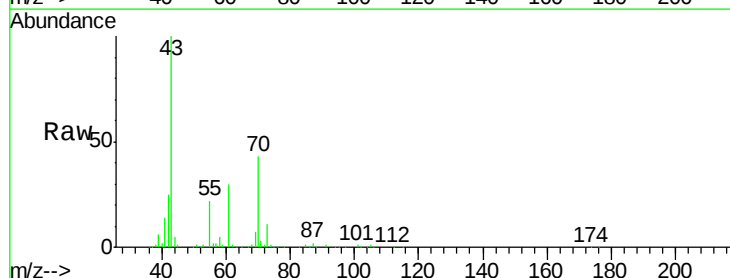
Ion Ratio Lower Upper

43 100

70 43.1 31.5 47.3

55 21.7 16.7 25.1

61 30.0 23.0 34.6



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

150000

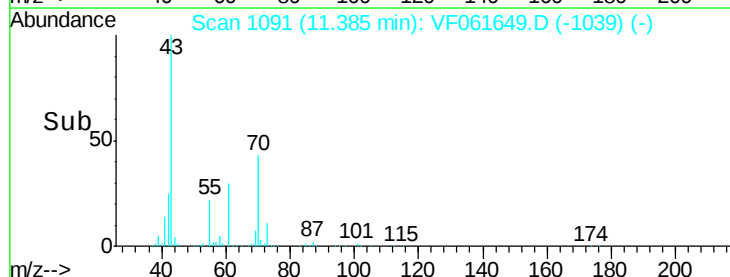
100000

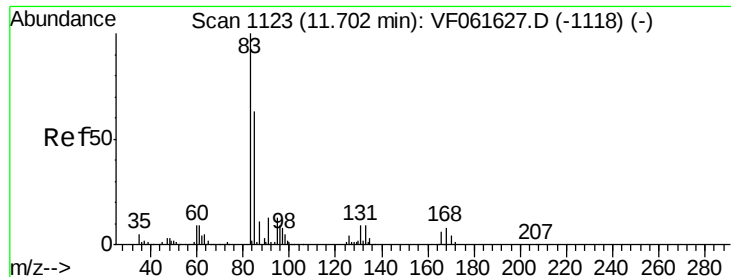
50000

0

Time-->

11.30 11.40 11.50





#75

1,1,2,2-Tetrachloroethane

Concen: 43.550 ug/l

RT: 11.70 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VF061649.D

Acq: 15 Feb 2019 11:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

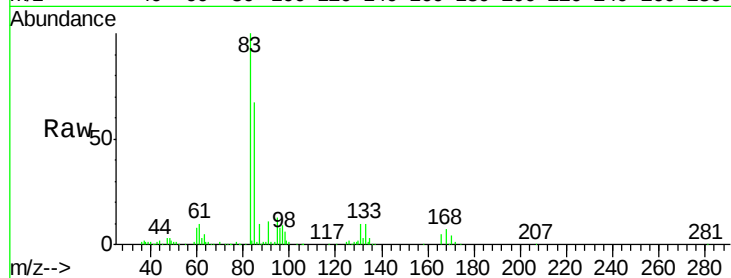
Tot Ion: 83 Resp: 131817

Ion	Ratio	Lower	Upper
83	100		
131	10.2	4.4	13.2
85	66.5	31.5	94.5

83 100

131 10.2 4.4 13.2

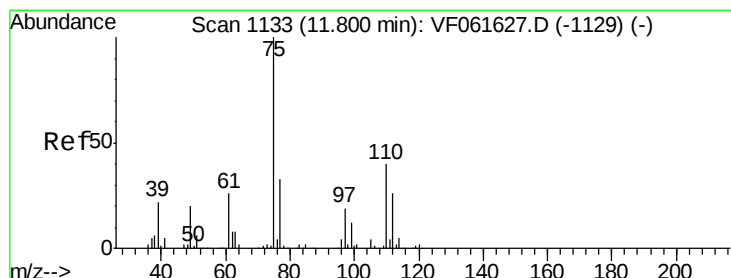
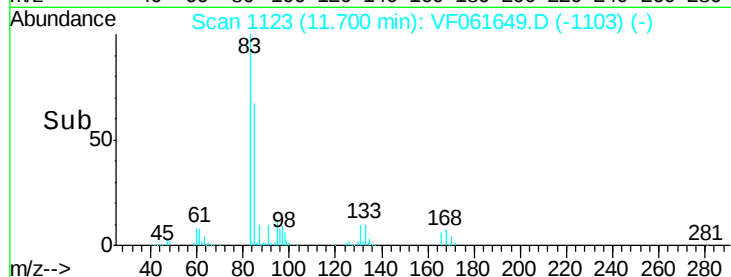
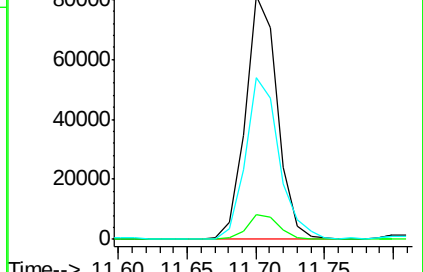
85 66.5 31.5 94.5



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): VF0

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 42.052 ug/l

RT: 11.80 min Scan# 1133

Delta R.T. -0.00 min

Lab File: VF061649.D

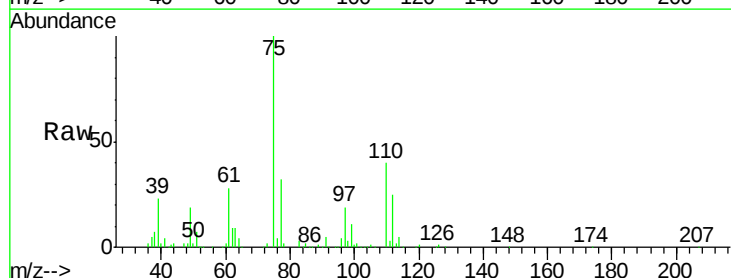
Acq: 15 Feb 2019 11:05

Tgt Ion: 75 Resp: 86538

Ion	Ratio	Lower	Upper
75	100		
77	32.4	16.6	49.7

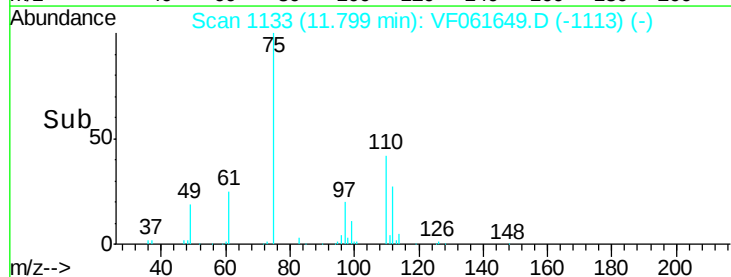
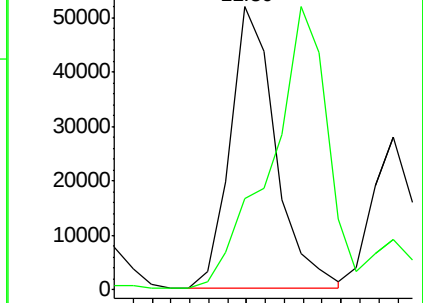
75 100

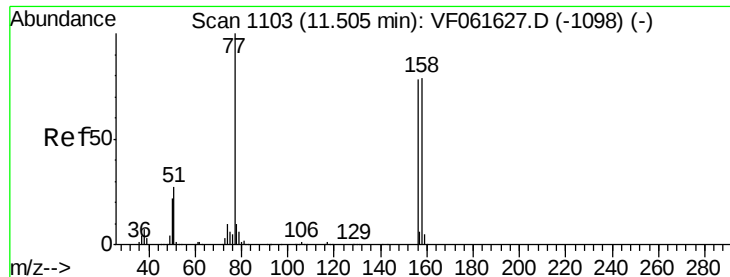
77 32.4 16.6 49.7



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 48.994 ug/l

RT: 11.50 min Scan# 1103

Delta R.T. -0.00 min

Lab File: VF061649.D

Acq: 15 Feb 2019 11:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

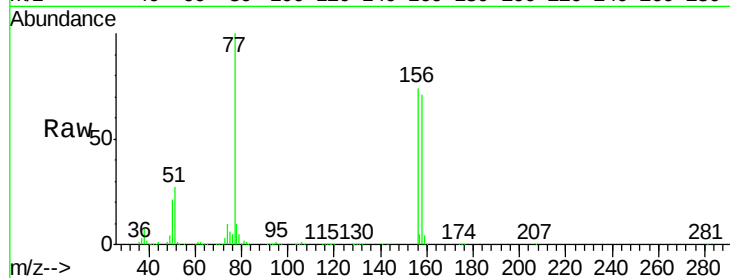
Tot Ion:156 Resp: 204494

Ion Ratio Lower Upper

156 100

77 135.5 64.3 192.7

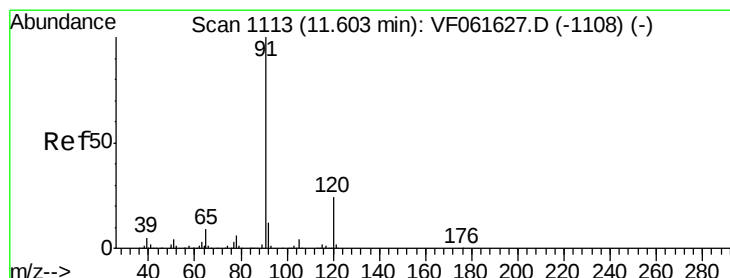
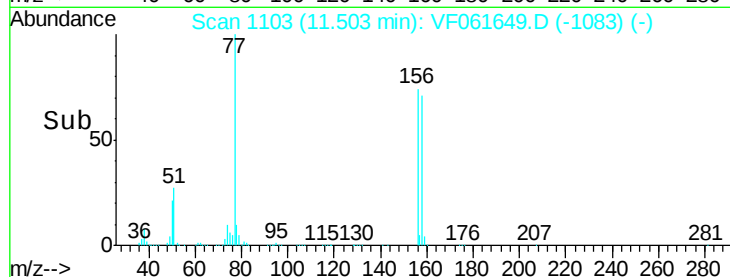
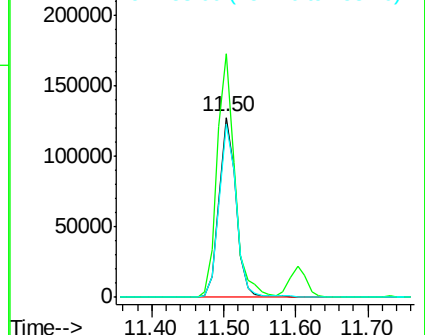
158 96.6 50.9 152.7



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: 47.227 ug/l

RT: 11.60 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VF061649.D

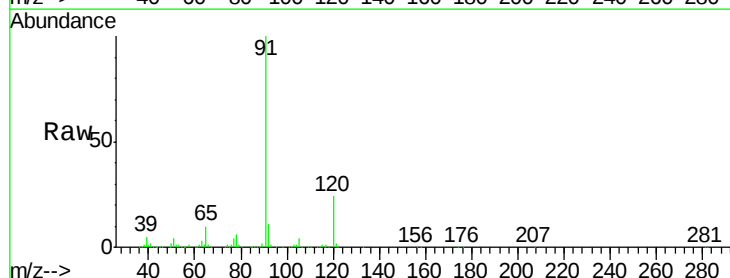
Acq: 15 Feb 2019 11:05

Tgt Ion: 91 Resp: 915613

Ion Ratio Lower Upper

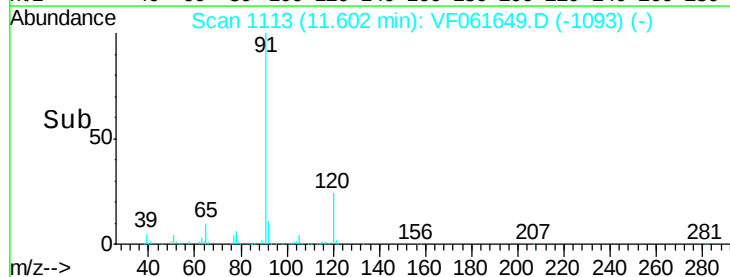
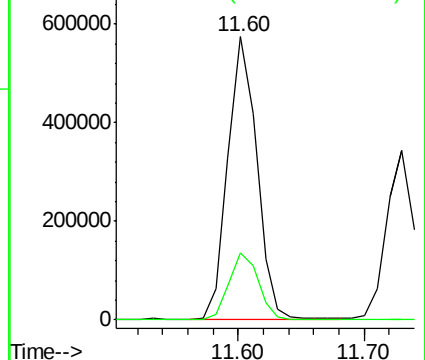
91 100

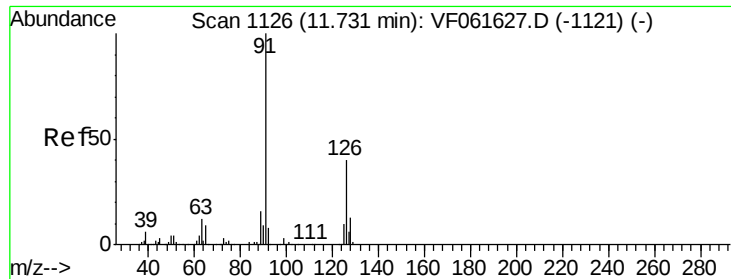
120 23.9 12.1 36.3



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

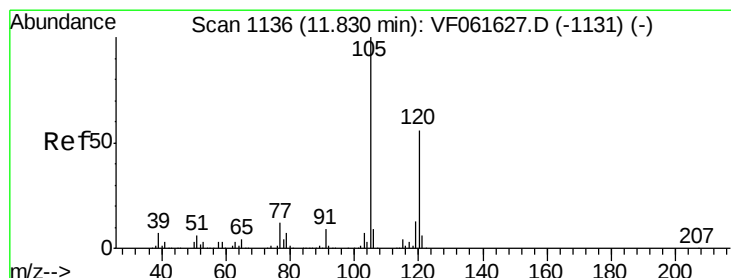
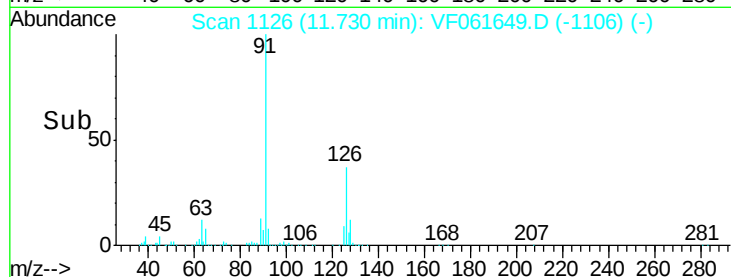
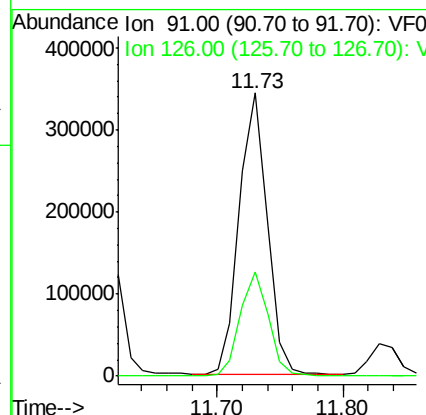
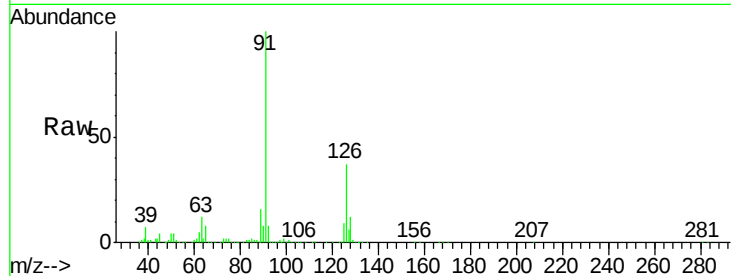




#79
 2-Chlorotoluene
 Concen: 48.458 ug/l
 RT: 11.73 min Scan# 1126
 Delta R.T. -0.00 min
 Lab File: VF061649.D
 Acq: 15 Feb 2019 11:05

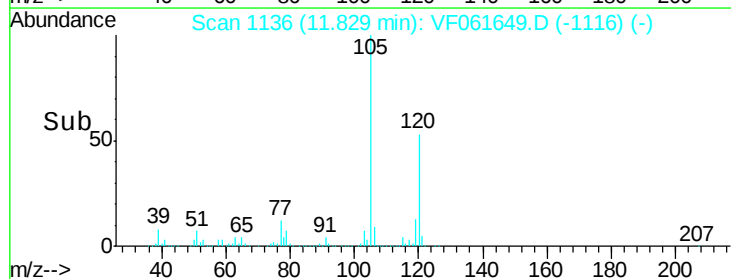
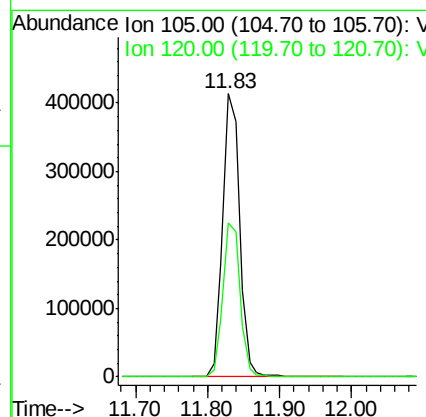
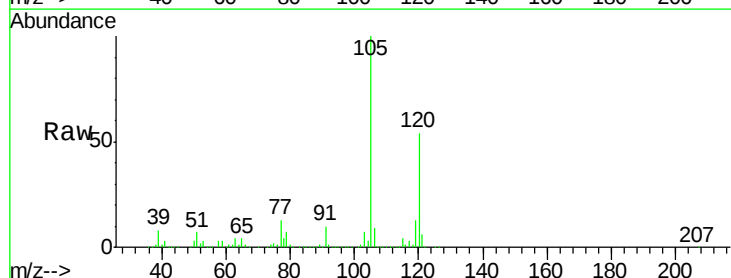
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

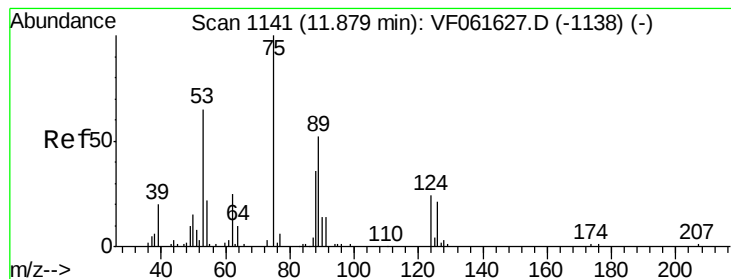
Tot Ion: 91 Resp: 526157
 Ion Ratio Lower Upper
 91 100
 126 37.0 19.8 59.4



#80
 1,3,5-Trimethylbenzene
 Concen: 49.754 ug/l
 RT: 11.83 min Scan# 1136
 Delta R.T. -0.00 min
 Lab File: VF061649.D
 Acq: 15 Feb 2019 11:05

Tgt Ion: 105 Resp: 671838
 Ion Ratio Lower Upper
 105 100
 120 54.5 27.9 83.6





#81

trans-1,4-Dichloro-2-butene

Concen: 45.678 ug/l m

RT: 11.88 min Scan# 1141

Delta R.T. -0.00 min

Lab File: VF061649.D

Acq: 15 Feb 2019 11:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

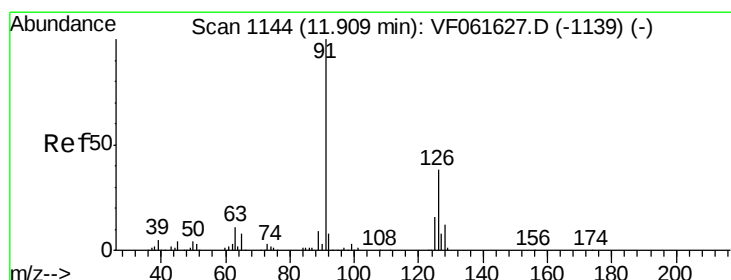
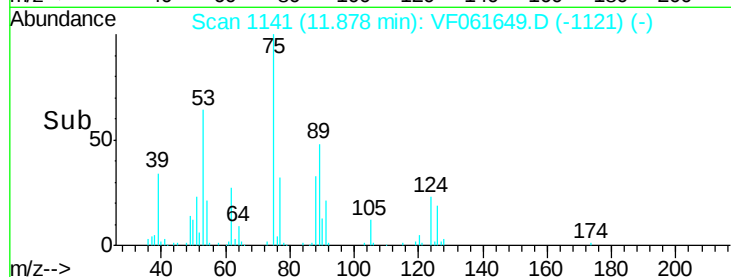
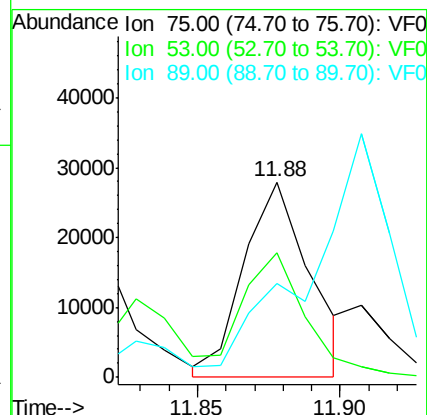
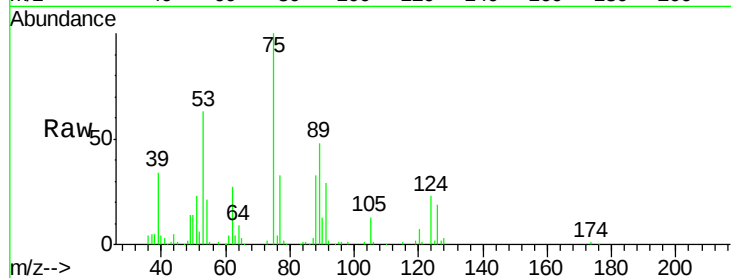
Tot Ion: 75 Resp: 45065

Ion Ratio Lower Upper

75 100

53 63.5 53.7 80.5

89 47.9 41.6 62.4



#82

4-Chlorotoluene

Concen: 45.497 ug/l

RT: 11.91 min Scan# 1144

Delta R.T. -0.00 min

Lab File: VF061649.D

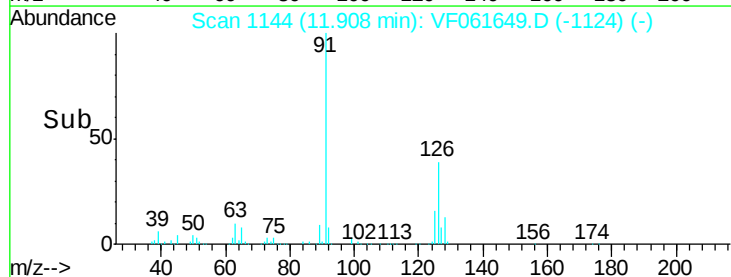
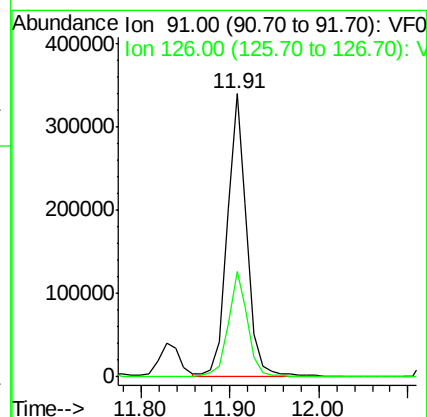
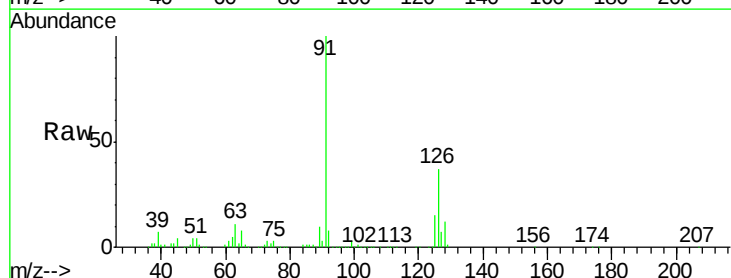
Acq: 15 Feb 2019 11:05

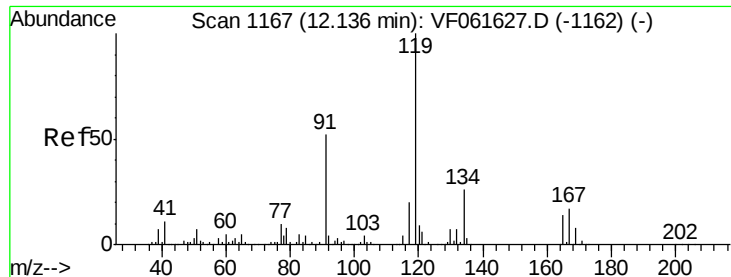
Tgt Ion: 91 Resp: 512754

Ion Ratio Lower Upper

91 100

126 37.5 19.1 57.1

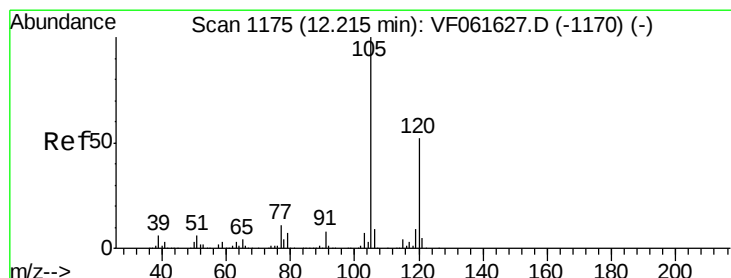
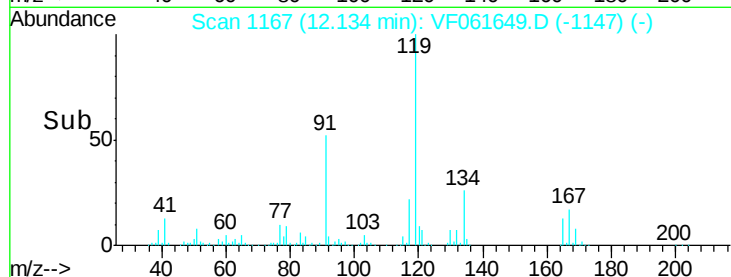
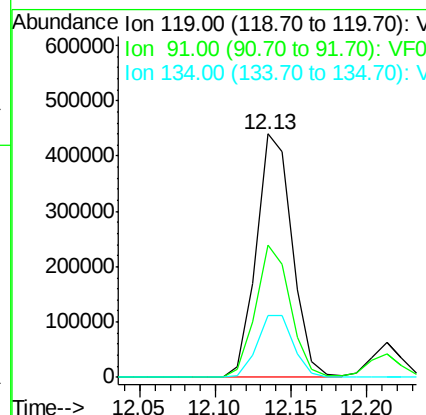
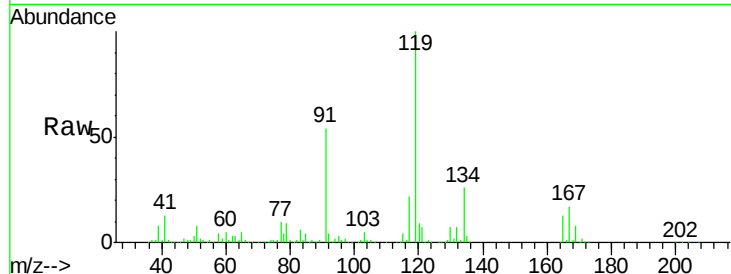




#83
tert-Butylbenzene
Concen: 48.868 ug/l
RT: 12.13 min Scan# 1167
Delta R.T. -0.00 min
Lab File: VF061649.D
Acq: 15 Feb 2019 11:05

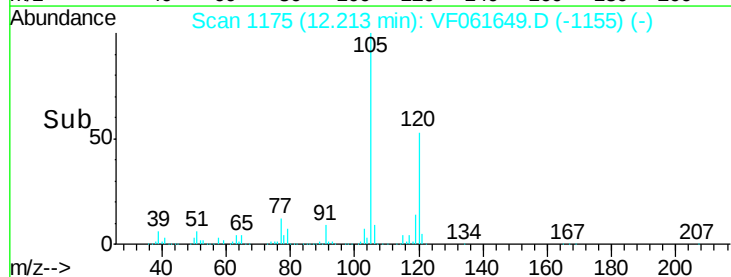
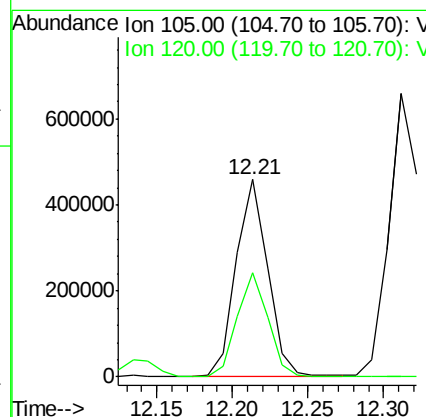
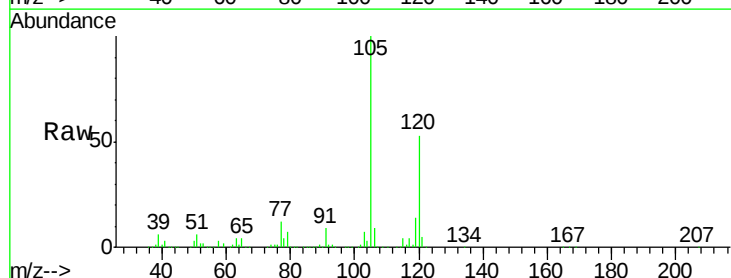
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

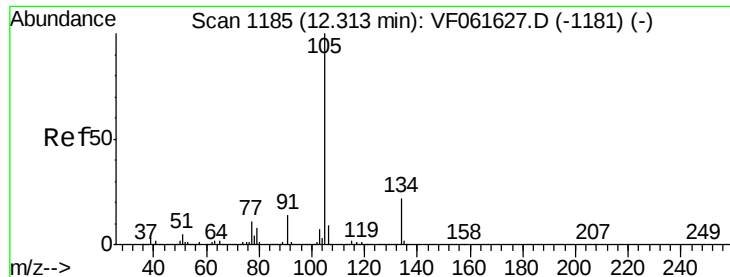
Tot Ion:119 Resp: 730873
Ion Ratio Lower Upper
119 100
91 54.3 26.3 78.8
134 25.5 12.9 38.7



#84
1,2,4-Trimethylbenzene
Concen: 49.883 ug/l
RT: 12.21 min Scan# 1175
Delta R.T. -0.00 min
Lab File: VF061649.D
Acq: 15 Feb 2019 11:05

Tgt Ion:105 Resp: 669192
Ion Ratio Lower Upper
105 100
120 52.9 26.1 78.3





#85

sec-Butylbenzene

Concen: 49.851 ug/l

RT: 12.31 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VF061649.D

Acq: 15 Feb 2019 11:05

Instrument :

MSVOA_F

ClientSampleId :

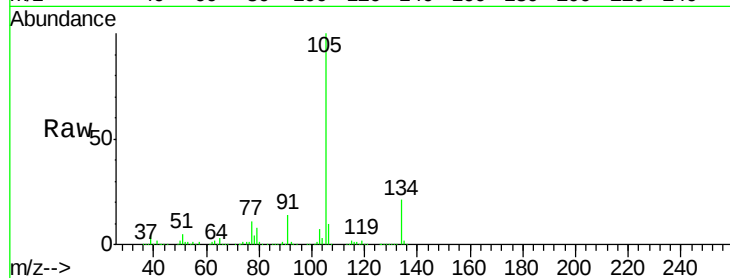
VSTDCCC050

Tot Ion:105 Resp: 964149

Ion Ratio Lower Upper

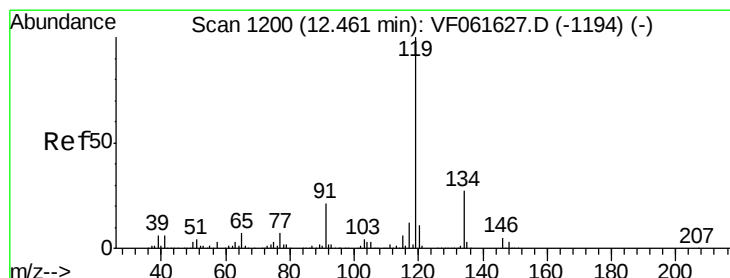
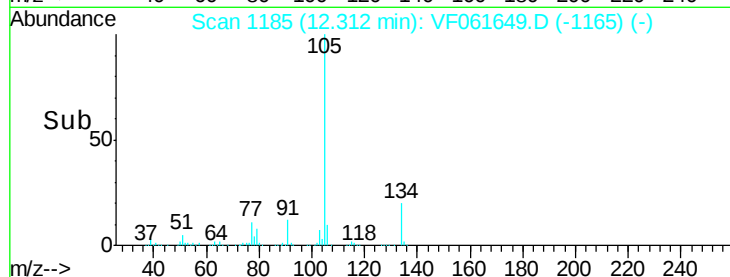
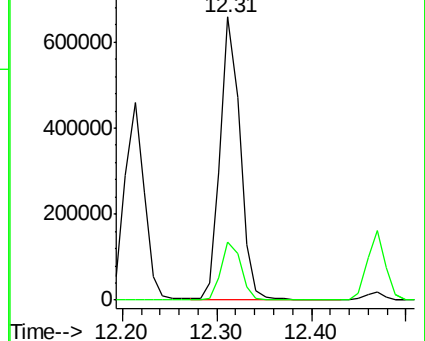
105 100

134 20.7 10.8 32.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 49.534 ug/l

RT: 12.47 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VF061649.D

Acq: 15 Feb 2019 11:05

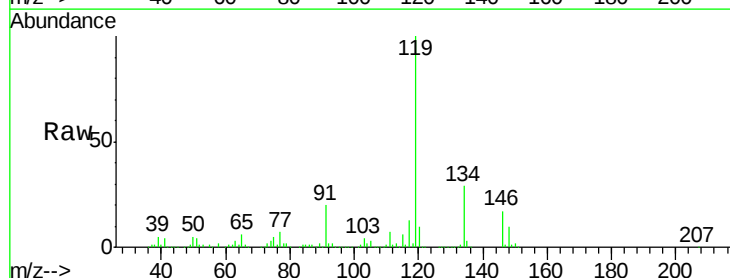
Tgt Ion:119 Resp: 804009

Ion Ratio Lower Upper

119 100

134 28.9 13.7 41.1

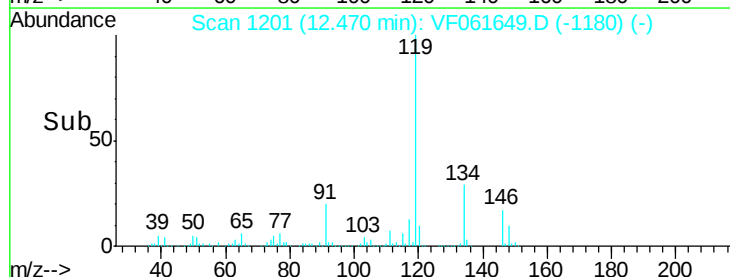
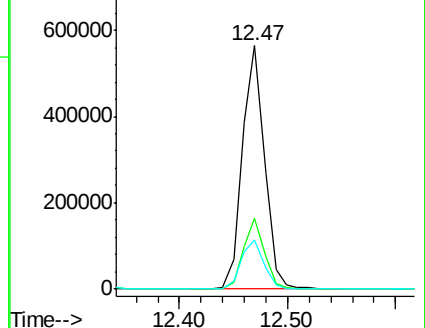
91 19.9 10.8 32.4

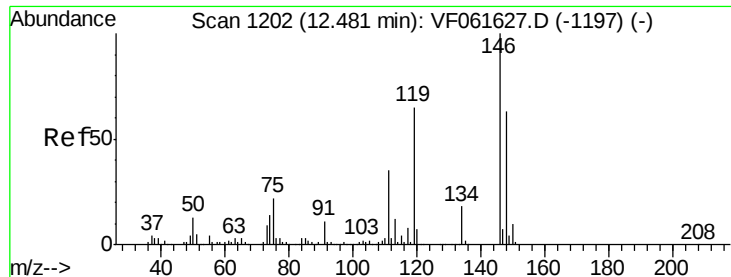


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0





#87

1,3-Dichlorobenzene

Concen: 47.058 ug/l

RT: 12.48 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VF061649.D

Acq: 15 Feb 2019 11:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

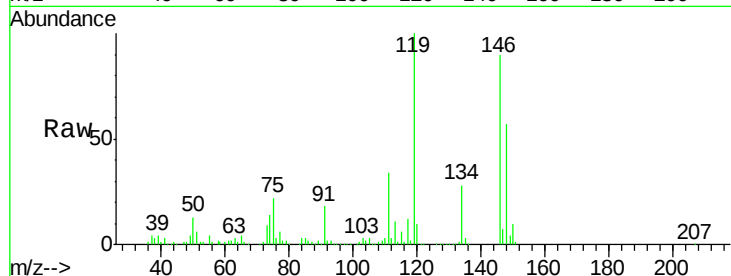
Tot Ion:146 Resp: 382908

Ion Ratio Lower Upper

146 100

111 37.3 17.5 52.6

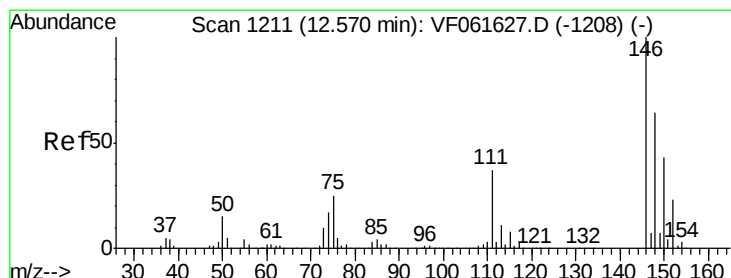
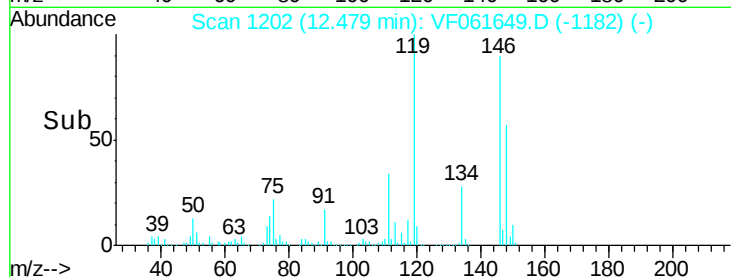
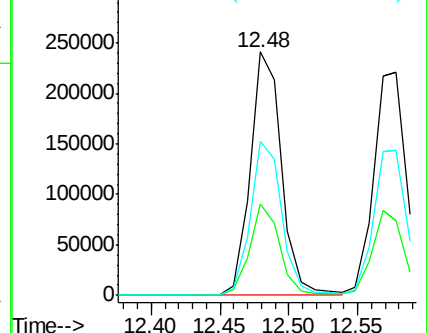
148 63.4 31.4 94.3



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



#88

1,4-Dichlorobenzene

Concen: 47.845 ug/l

RT: 12.58 min Scan# 1212

Delta R.T. 0.01 min

Lab File: VF061649.D

Acq: 15 Feb 2019 11:05

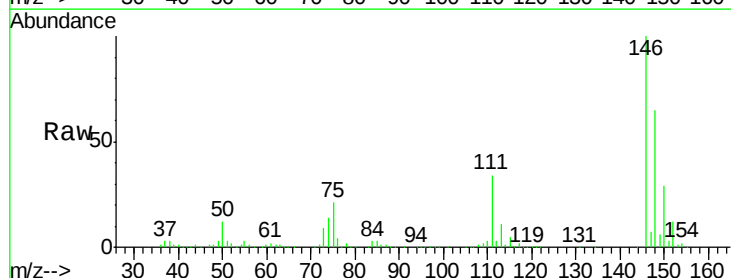
Tgt Ion:146 Resp: 374407

Ion Ratio Lower Upper

146 100

111 33.5 18.4 55.4

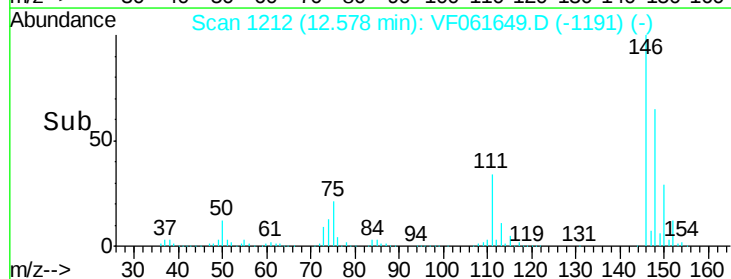
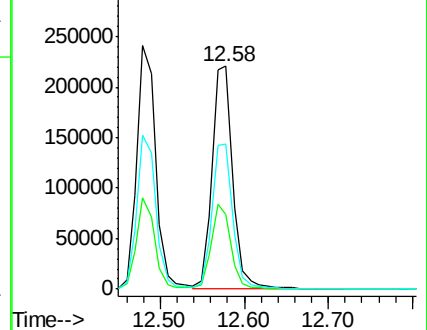
148 65.4 32.2 96.6

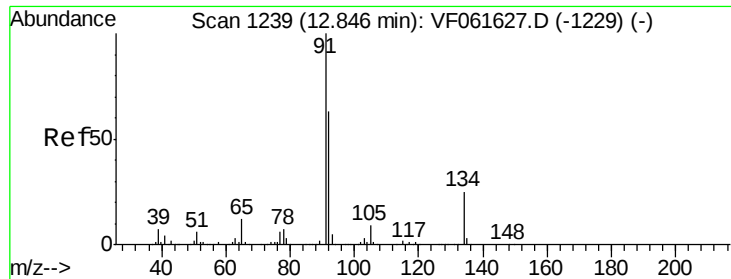


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

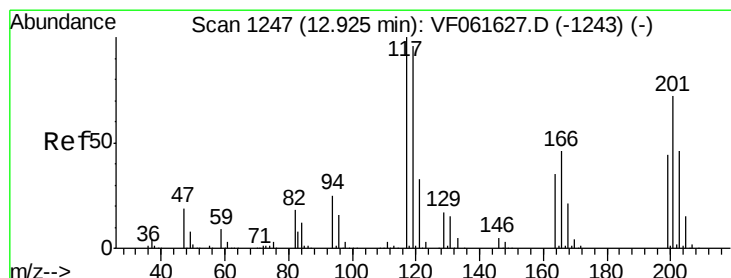
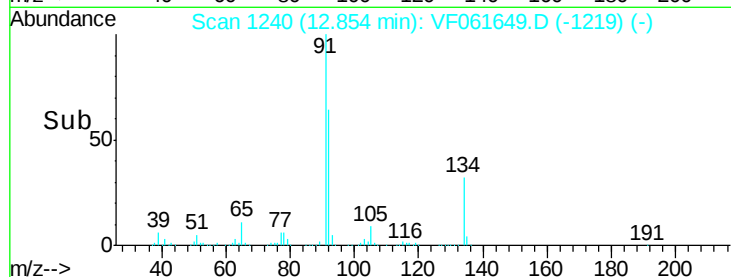
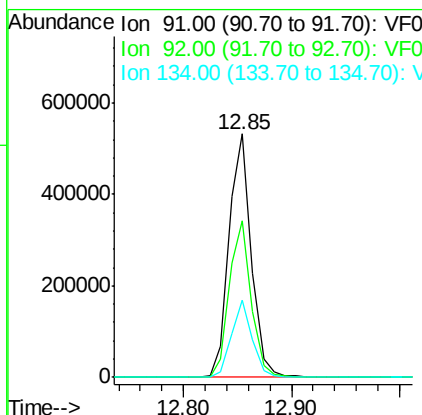
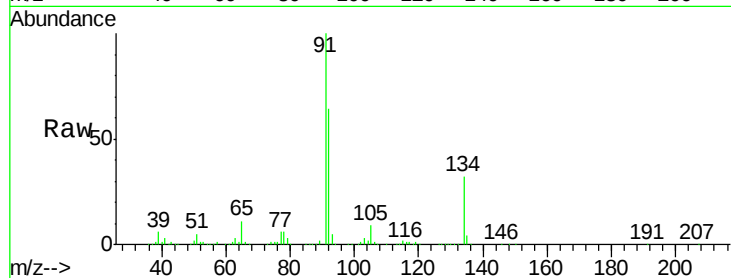




#89
n-Butylbenzene
Concen: 49.659 ug/l
RT: 12.85 min Scan# 1240
Delta R.T. 0.01 min
Lab File: VF061649.D
Acq: 15 Feb 2019 11:05

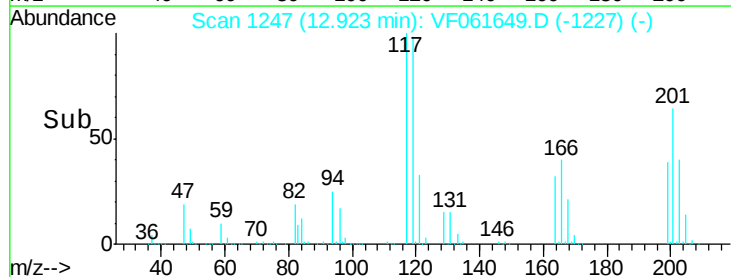
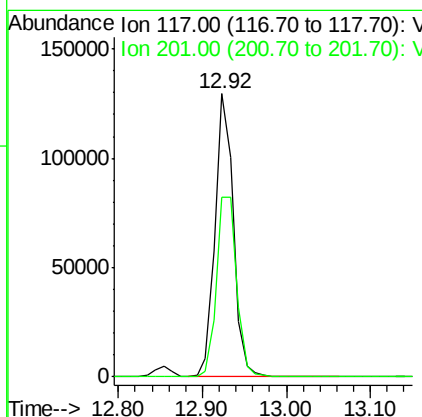
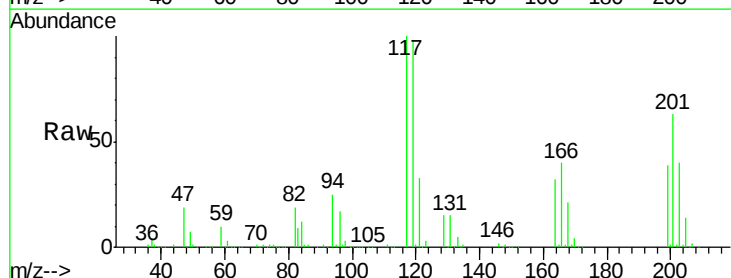
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

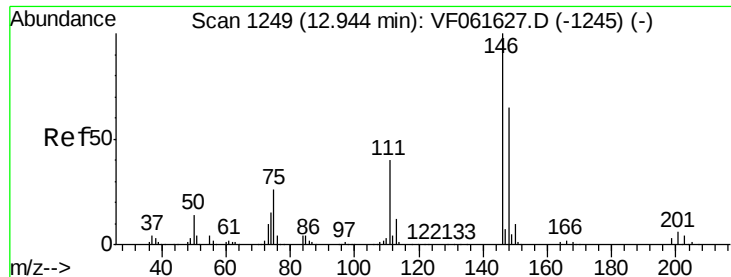
Tot Ion: 91 Resp: 761139
Ion Ratio Lower Upper
91 100
92 64.3 31.4 94.3
134 31.5 12.3 36.9



#90
Hexachloroethane
Concen: 51.916 ug/l
RT: 12.92 min Scan# 1247
Delta R.T. -0.00 min
Lab File: VF061649.D
Acq: 15 Feb 2019 11:05

Tgt Ion: 117 Resp: 195983
Ion Ratio Lower Upper
117 100
201 63.4 36.2 108.6

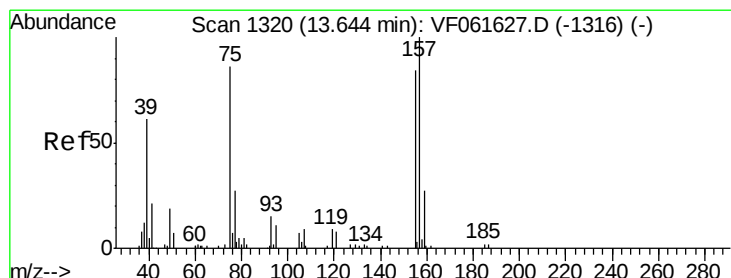
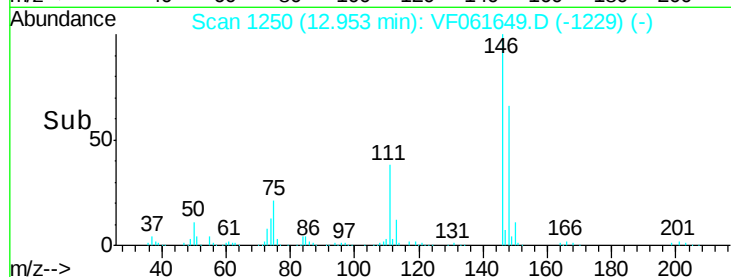
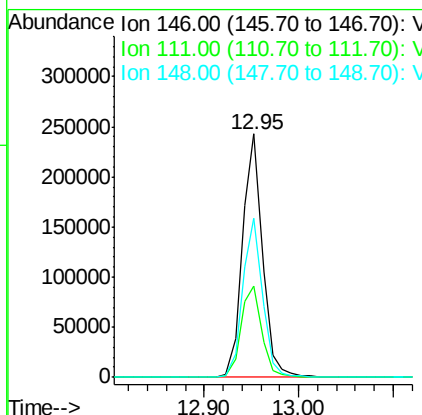
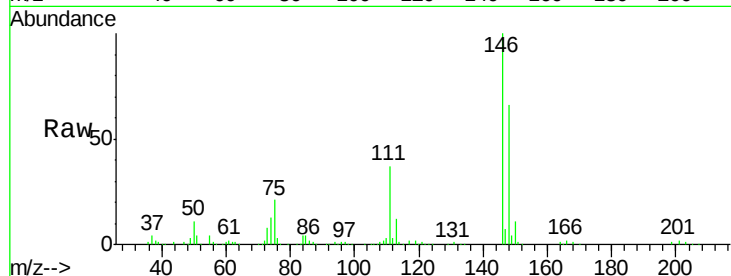




#91
 1,2-Dichlorobenzene
 Concen: 45.626 ug/l
 RT: 12.95 min Scan# 1250
 Delta R.T. 0.01 min
 Lab File: VF061649.D
 Acq: 15 Feb 2019 11:05

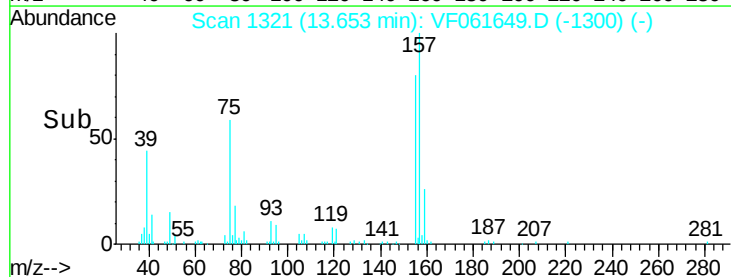
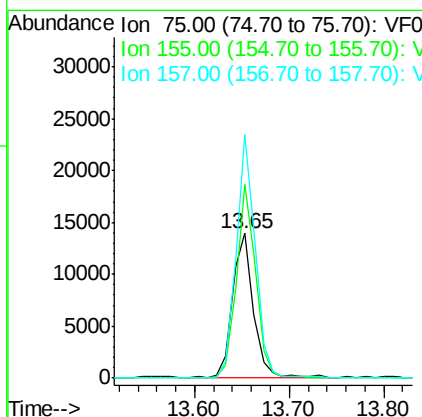
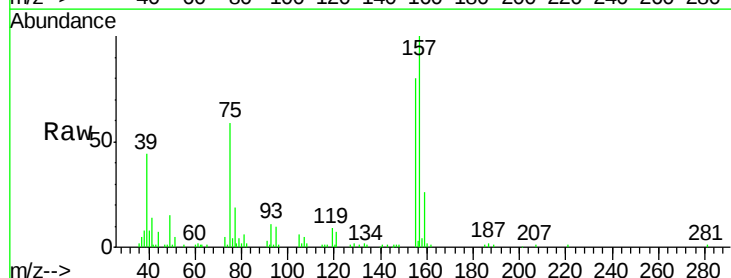
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

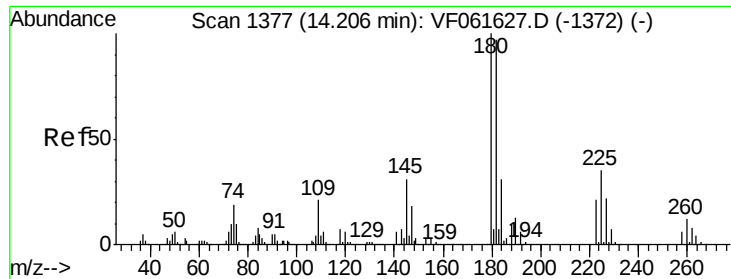
Tot Ion:146 Resp: 353121
 Ion Ratio Lower Upper
 146 100
 111 37.5 20.2 60.5
 148 65.5 32.3 96.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.918 ug/l
 RT: 13.65 min Scan# 1321
 Delta R.T. 0.01 min
 Lab File: VF061649.D
 Acq: 15 Feb 2019 11:05

Tgt Ion: 75 Resp: 21556
 Ion Ratio Lower Upper
 75 100
 155 133.8 48.9 146.8
 157 168.1 58.3 174.8

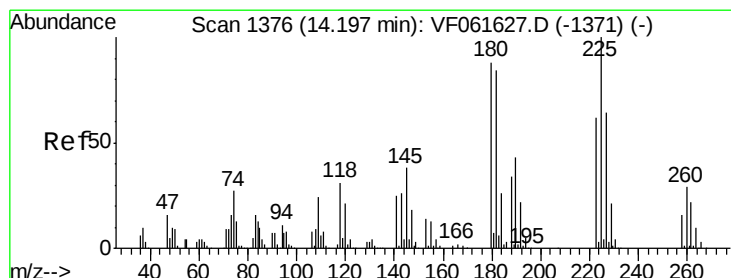
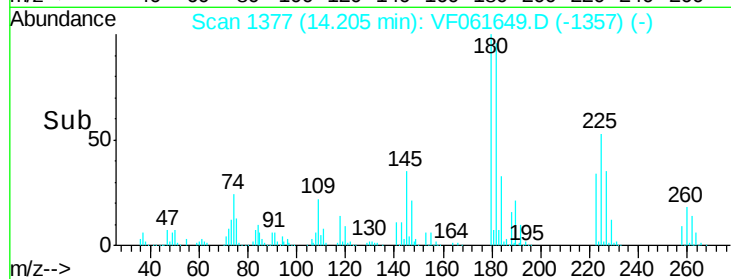
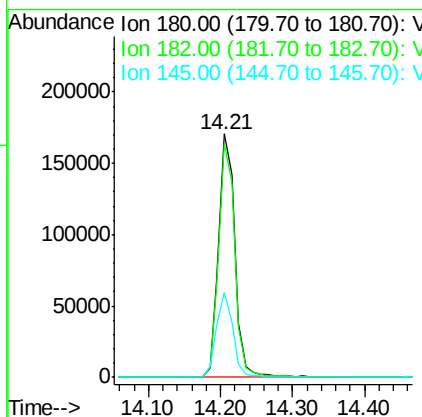
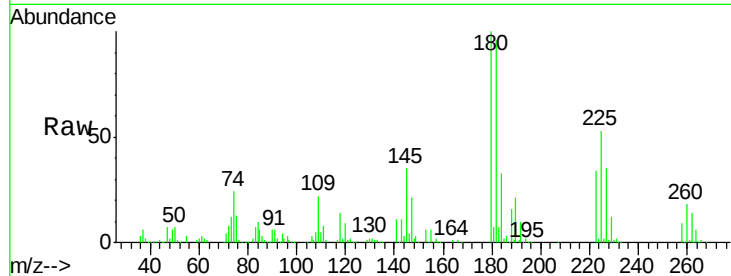




#93
 1,2,4-Trichlorobenzene
 Concen: 47.882 ug/l
 RT: 14.21 min Scan# 1377
 Delta R.T. -0.00 min
 Lab File: VF061649.D
 Acq: 15 Feb 2019 11:05

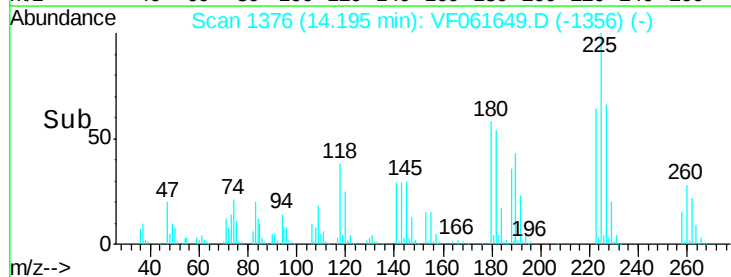
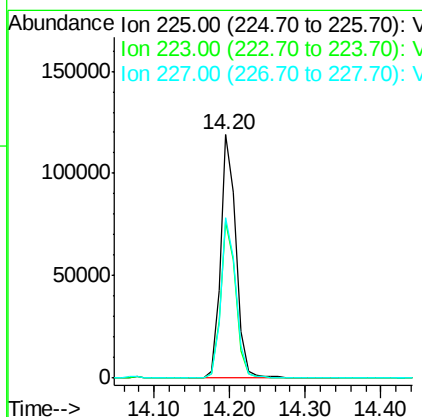
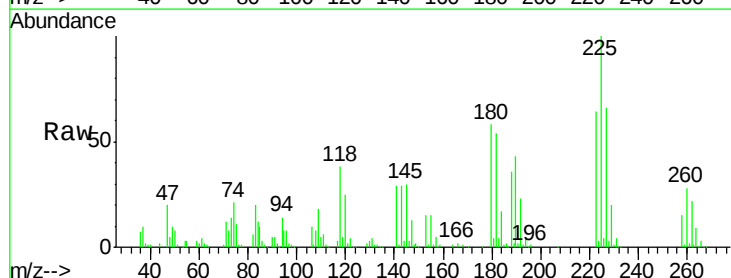
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

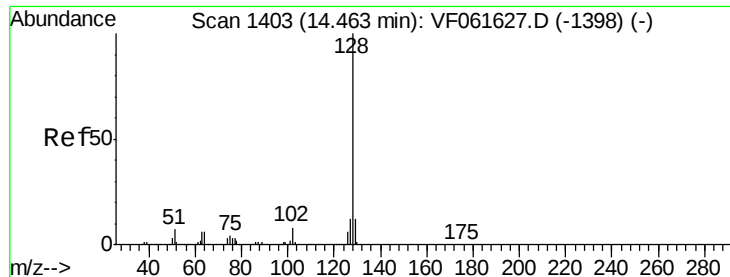
Tot Ion:180 Resp: 265627
 Ion Ratio Lower Upper
 180 100
 182 95.7 48.6 145.9
 145 34.8 15.3 45.9



#94
 Hexachlorobutadiene
 Concen: 49.703 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. -0.00 min
 Lab File: VF061649.D
 Acq: 15 Feb 2019 11:05

Tgt Ion:225 Resp: 170290
 Ion Ratio Lower Upper
 225 100
 223 64.3 30.9 92.7
 227 66.0 32.1 96.3

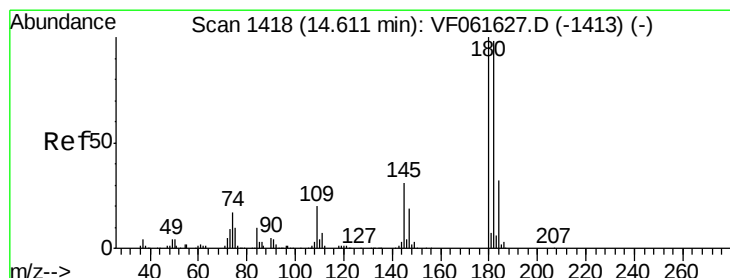
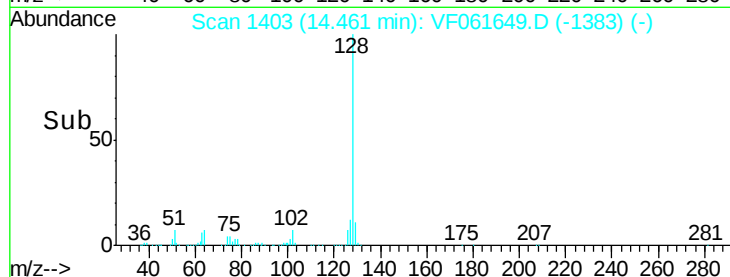
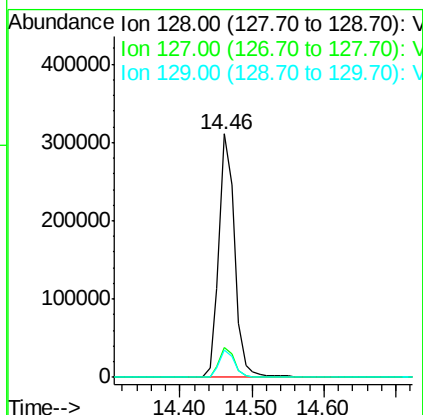
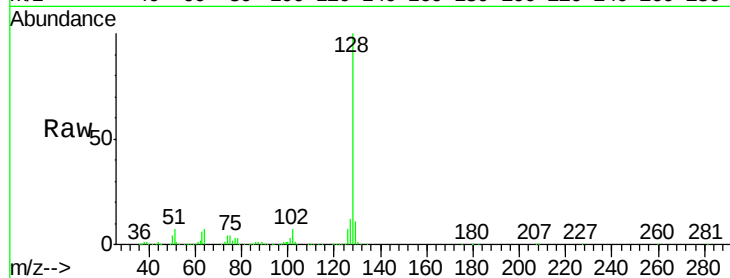




#95
Naphthalene
Concen: 48.298 ug/l
RT: 14.46 min Scan# 1403
Delta R.T. -0.00 min
Lab File: VF061649.D
Acq: 15 Feb 2019 11:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 468781
Ion Ratio Lower Upper
128 100
127 12.2 9.8 14.6
129 11.0 9.4 14.2



#96
1,2,3-Trichlorobenzene
Concen: 49.529 ug/l
RT: 14.61 min Scan# 1418
Delta R.T. -0.00 min
Lab File: VF061649.D
Acq: 15 Feb 2019 11:05

Tgt Ion:180 Resp: 252188
Ion Ratio Lower Upper
180 100
182 95.5 49.0 147.2
145 32.5 15.4 46.1

