

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF022619\
 Data File : VF061760.D
 Acq On : 27 Feb 2019 00:44
 Operator : VA/AP
 Sample : VSTDCCC050EC
 Misc : 5.00µ/5mL/MSVOA-F/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Feb 27 04:10:56 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	4.84	168	275336	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.57	114	422966	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.74	117	386212	50.00	ug/l	-0.04
72) 1,4-Dichlorobenzene-d4	12.54	152	205686	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.81	65	105828	52.41	ug/l	-0.04
Spiked Amount				50.000		
			Recovery	=	104.82%	
35) Dibromofluoromethane	4.08	113	159101	50.65	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	101.30%	
50) Toluene-d8	7.53	98	454343	50.32	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	100.64%	
62) 4-Bromofluorobenzene	11.39	95	185450	50.76	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	101.52%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.96	85	138111	43.679	ug/l	94
3) Chloromethane	1.10	50	143134	43.144	ug/l	97
4) Vinyl Chloride	1.14	62	140407	45.526	ug/l	95
5) Bromomethane	1.32	94	107946	50.855	ug/l	99
6) Chloroethane	1.37	64	71396	46.975	ug/l	92
7) Trichlorofluoromethane	1.47	101	184429	49.580	ug/l	95
8) Diethyl Ether	1.62	74	43131	46.010	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	1.82	101	130277	48.548	ug/l	89
10) Methyl Iodide	1.89	142	194144	37.874	ug/l	99
11) Tert butyl alcohol	2.56	59	26921	230.386	ug/l	93
12) 1,1-Dichloroethene	1.78	96	109737	46.511	ug/l	94
13) Acrolein	1.98	56	36078	245.660	ug/l	98
14) Allyl chloride	2.08	41	128621	44.426	ug/l	96
15) Acrylonitrile	2.92	53	88005	212.328	ug/l	96
16) Acetone	2.22	43	86346	199.320	ug/l	92
17) Carbon Disulfide	1.83	76	323467	43.616	ug/l	98
18) Methyl Acetate	2.33	43	51968	53.251	ug/l	97
19) Methyl tert-butyl Ether	2.42	73	206682	51.257	ug/l	99
20) Methylene Chloride	2.16	84	42221	16.499	ug/l	94
21) trans-1,2-Dichloroethene	2.30	96	115563	45.057	ug/l	93
22) Diisopropyl ether	2.78	45	348612	50.162	ug/l	96
23) Vinyl Acetate	3.17	43	759514	223.753	ug/l	97
24) 1,1-Dichloroethane	2.85	63	201569	47.928	ug/l	99
25) 2-Butanone	4.31	43	196998	208.187	ug/l	98
26) 2,2-Dichloropropane	3.57	77	86102	48.333	ug/l	99
27) cis-1,2-Dichloroethene	3.45	96	156942	46.619	ug/l	95
28) Bromochloromethane	3.69	49	108809	53.921	ug/l	94
29) Tetrahydrofuran	4.04	42	88370	205.473	ug/l	97
30) Chloroform	3.83	83	232797	48.673	ug/l	99
31) Cyclohexane	3.66	56	198246	43.543	ug/l	96
32) 1,1,1-Trichloroethane	4.06	97	159077	50.774	ug/l	98
36) 1,1-Dichloropropene	4.25	75	176762	42.187	ug/l	97
37) Ethyl Acetate	4.08	43	81331	41.791	ug/l #	83
38) Carbon Tetrachloride	3.96	117	129625	44.803	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.43	83	215784	43.546	ug/l	99
40) Benzene	4.61	78	492805	44.966	ug/l	99
41) Methacrylonitrile	4.73	41	45504	45.721	ug/l #	92
42) 1,2-Dichloroethane	4.91	62	129434	49.372	ug/l	93
43) Isopropyl Acetate	6.93	43	101750	44.169	ug/l	92
44) Trichloroethene	5.47	130	161461	45.558	ug/l	100
45) 1,2-Dichloropropane	6.21	63	120953	45.658	ug/l	95
46) Dibromomethane	6.06	93	78444	48.093	ug/l	91
47) Bromodichloromethane	6.36	83	173670	48.621	ug/l	97
48) Methyl methacrylate	6.69	41	64916	46.827	ug/l	97
49) 1,4-Dioxane	6.68	88	11917	914.446	ug/l #	79
51) 4-Methyl-2-Pentanone	8.24	43	347895	211.355	ug/l	99
52) Toluene	7.59	92	295507	44.458	ug/l	98
53) t-1,3-Dichloropropene	8.26	75	132313	44.508	ug/l	100
54) cis-1,3-Dichloropropene	7.28	75	189679	47.902	ug/l	98
55) 1,1,2-Trichloroethane	8.46	97	92669	47.452	ug/l	95
56) Ethyl methacrylate	8.59	69	103486	47.596	ug/l	98
57) 1,3-Dichloropropane	8.83	76	157245	48.240	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.27	63	96611	257.532	ug/l	96
59) 2-Hexanone	9.47	43	237477	205.819	ug/l	96
60) Dibromochloromethane	8.69	129	134172	49.361	ug/l	99
61) 1,2-Dibromoethane	8.96	107	96094	45.366	ug/l	98
64) Tetrachloroethene	8.13	164	148977	47.192	ug/l	98
65) Chlorobenzene	9.77	112	360500	45.999	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.90	131	137336	44.721	ug/l	99
67) Ethyl Benzene	9.87	91	571285	43.834	ug/l	96
68) m/p-Xylenes	10.11	106	437054	87.622	ug/l	97
69) o-Xylene	10.69	106	242440	45.551	ug/l	99
70) Styrene	10.77	104	345558	45.894	ug/l	98
71) Bromoform	10.75	173	74888	44.908	ug/l	99
73) Isopropylbenzene	11.11	105	666675	45.524	ug/l	98
74) N-amyl acetate	11.35	43	153737	43.737	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.68	83	116273	44.318	ug/l	97
76) 1,2,3-Trichloropropane	11.78	75	79379	44.501	ug/l	99
77) Bromobenzene	11.48	156	167682	46.349	ug/l	94
78) n-propylbenzene	11.58	91	735590	43.772	ug/l	98
79) 2-Chlorotoluene	11.70	91	432320	45.935	ug/l	96
80) 1,3,5-Trimethylbenzene	11.81	105	525870	44.929	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.85	75	44764	52.346	ug/l	95
82) 4-Chlorotoluene	11.88	91	439455	44.986	ug/l	100
83) tert-Butylbenzene	12.11	119	590759	45.570	ug/l	99
84) 1,2,4-Trimethylbenzene	12.19	105	540463	46.479	ug/l	98
85) sec-Butylbenzene	12.29	105	772936	46.106	ug/l	99
86) p-Isopropyltoluene	12.45	119	627093	44.571	ug/l	97
87) 1,3-Dichlorobenzene	12.46	146	300926	42.666	ug/l	94
88) 1,4-Dichlorobenzene	12.54	146	308429	45.471	ug/l	98
89) n-Butylbenzene	12.83	91	590353	44.436	ug/l	95
90) Hexachloroethane	12.90	117	155411	47.495	ug/l	98
91) 1,2-Dichlorobenzene	12.92	146	301055	44.876	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.62	75	18645	44.823	ug/l	94

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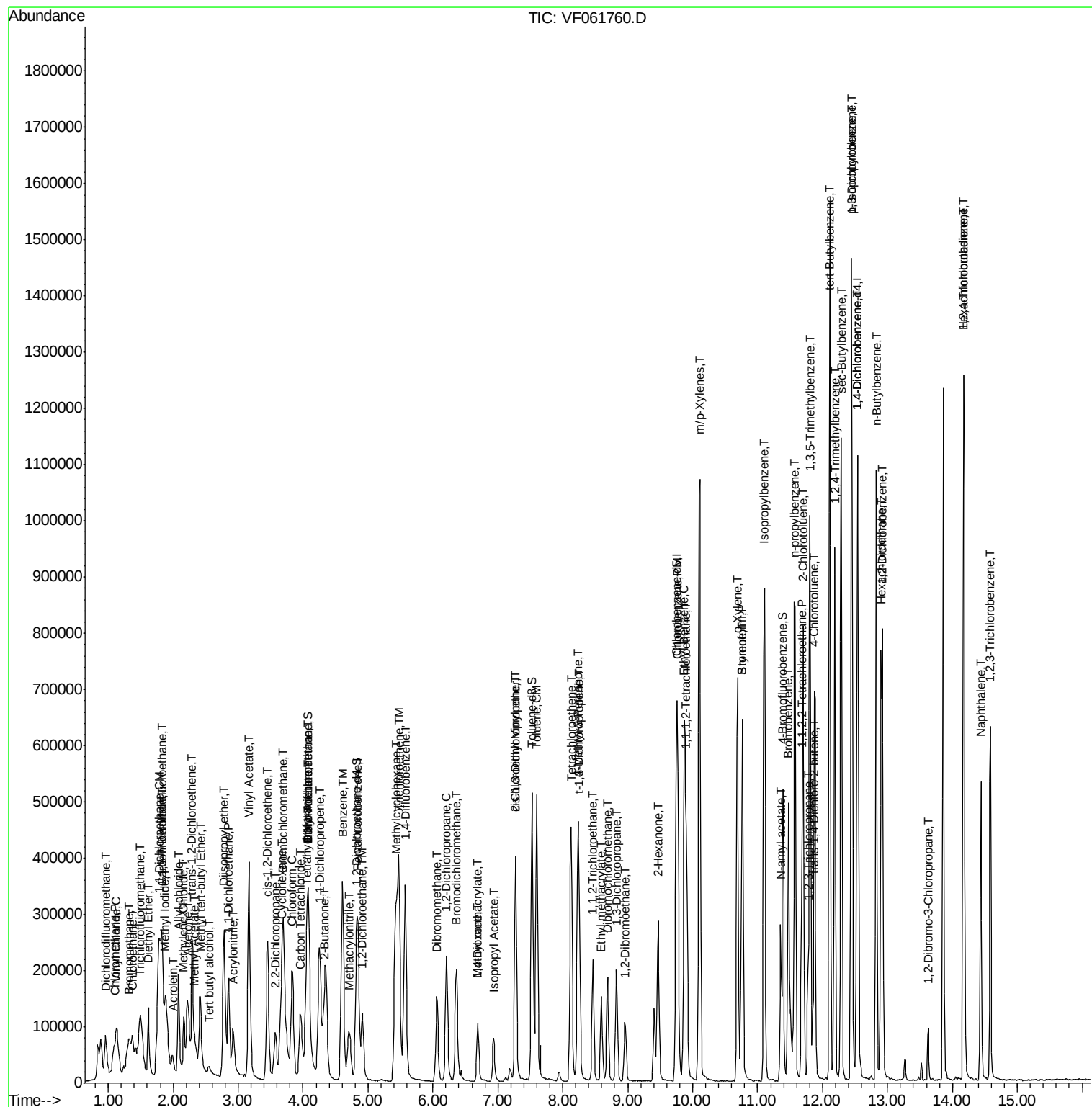
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.18	180	214515	44.611	ug/l	97
94) Hexachlorobutadiene	14.17	225	145483	48.989	ug/l	98
95) Naphthalene	14.44	128	393206	46.737	ug/l	100
96) 1,2,3-Trichlorobenzene	14.59	180	201042	45.552	ug/l	100

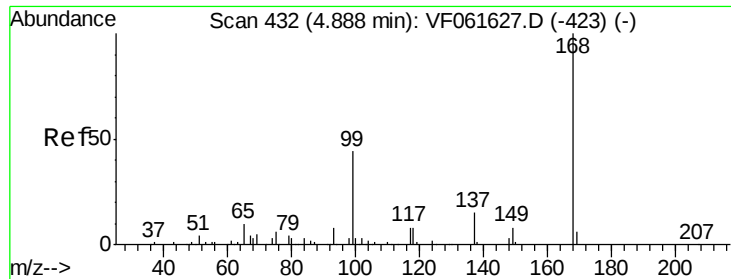
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.84 min Scan# 427

Delta R.T. -0.04 min

Lab File: VF061760.D

Acq: 27 Feb 2019 00:44

Instrument :

MSVOA_F

ClientSampleId :

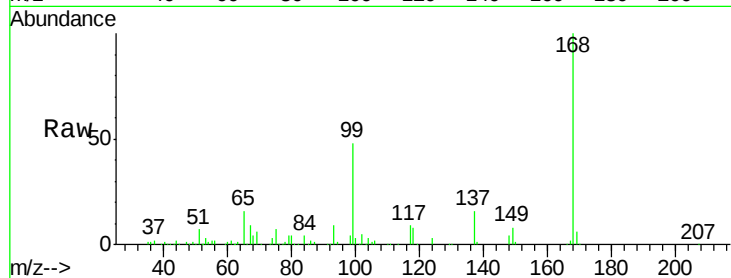
VSTDCCC050EC

Tot Ion:168 Resp: 275336

Ion Ratio Lower Upper

168 100

99 48.4 34.9 52.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.84

80000

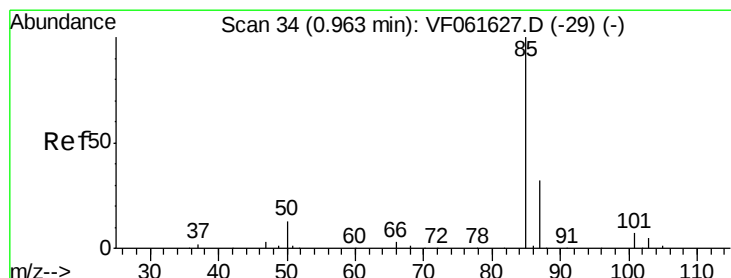
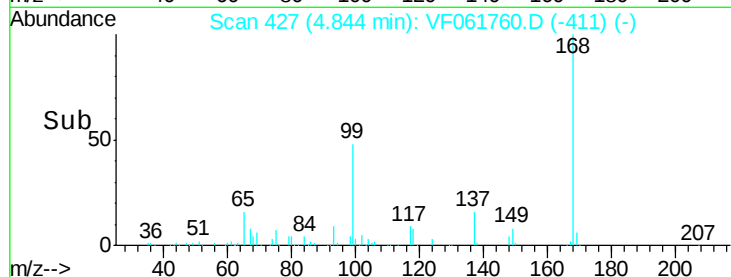
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 43.679 ug/l

RT: 0.96 min Scan# 33

Delta R.T. -0.00 min

Lab File: VF061760.D

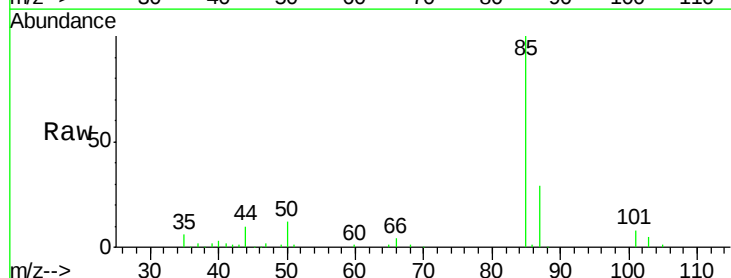
Acq: 27 Feb 2019 00:44

Tgt Ion: 85 Resp: 138111

Ion Ratio Lower Upper

85 100

87 28.8 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

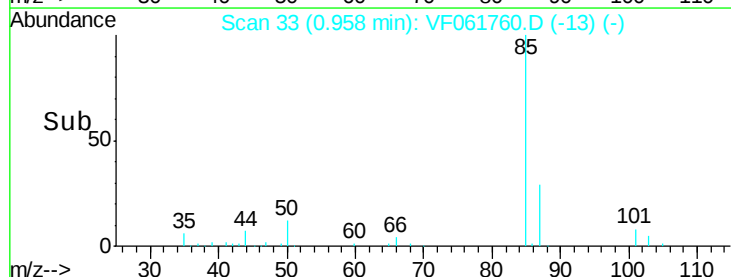
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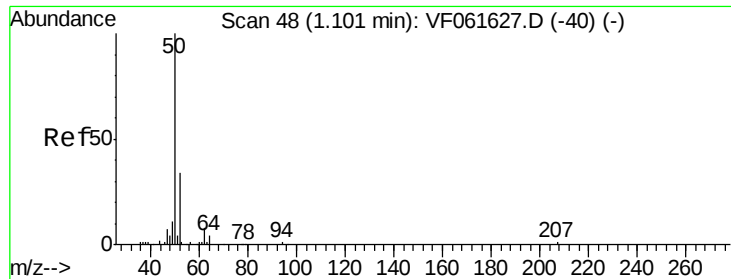
20000

10000

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Time-->





#3

Chloromethane

Concen: 43.144 ug/l

RT: 1.10 min Scan# 47

Delta R.T. -0.00 min

Lab File: VF061760.D

Acq: 27 Feb 2019 00:44

Instrument :

MSVOA_F

ClientSampleId :

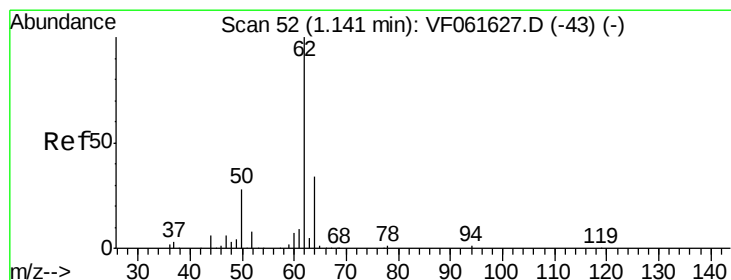
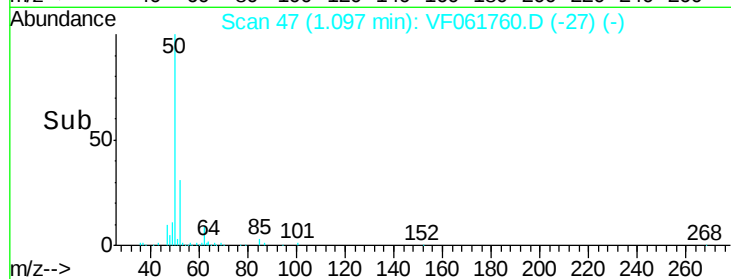
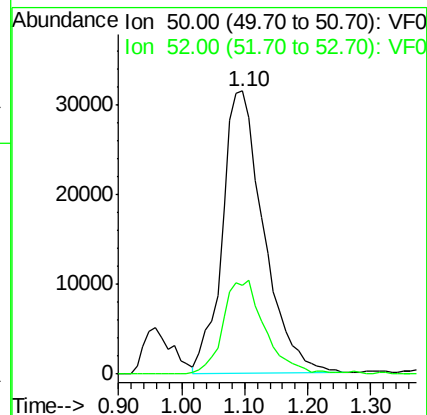
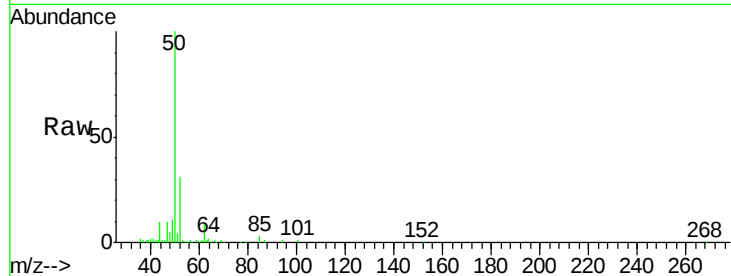
VSTDCCC050EC

Tot Ion: 50 Resp: 143134

Ion Ratio Lower Upper

50 100

52 31.4 26.2 39.4



#4

Vinyl Chloride

Concen: 45.526 ug/l

RT: 1.14 min Scan# 51

Delta R.T. -0.00 min

Lab File: VF061760.D

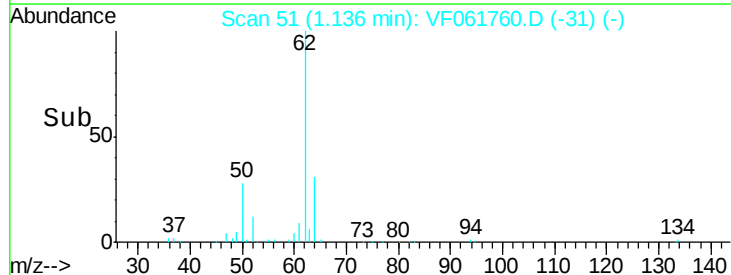
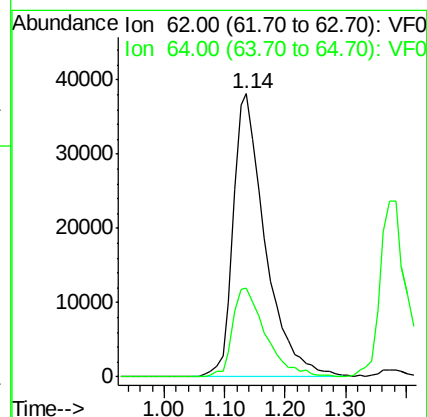
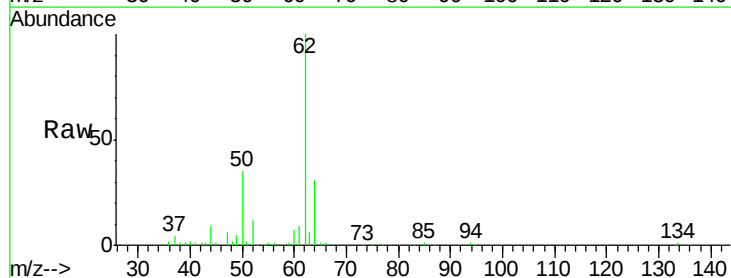
Acq: 27 Feb 2019 00:44

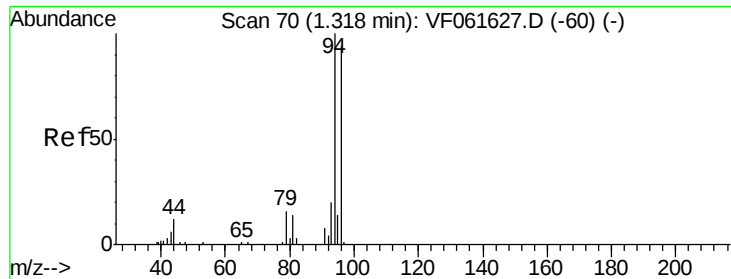
Tgt Ion: 62 Resp: 140407

Ion Ratio Lower Upper

62 100

64 31.3 27.5 41.3





#5

Bromomethane

Concen: 50.855 ug/l

RT: 1.32 min Scan# 70

Delta R.T. 0.00 min

Lab File: VF061760.D

Acq: 27 Feb 2019 00:44

Instrument :

MSVOA_F

ClientSampleId :

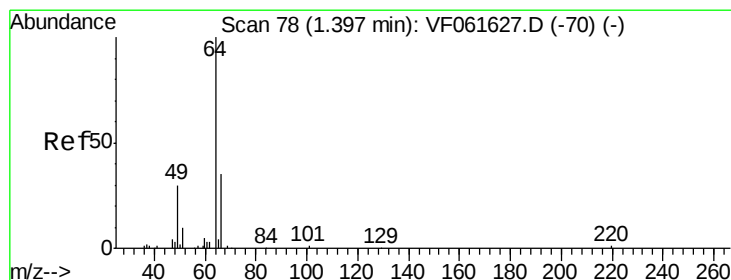
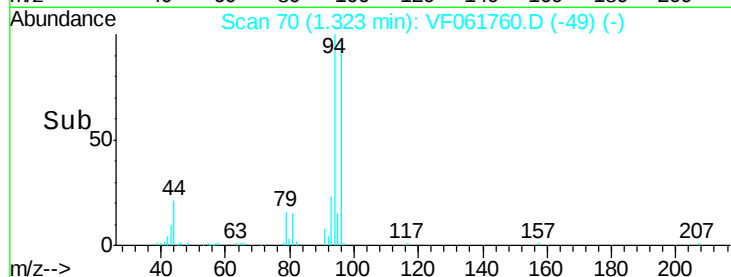
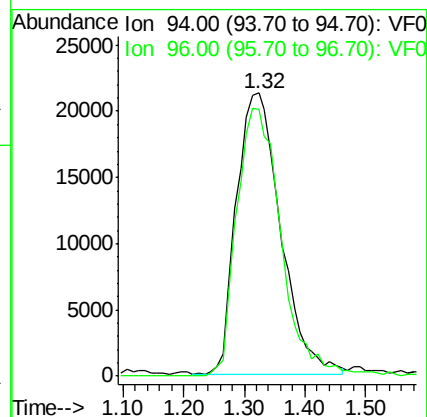
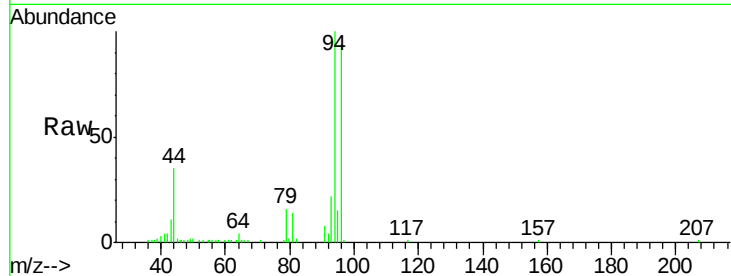
VSTDCCC050EC

Tot Ion: 94 Resp: 107946

Ion Ratio Lower Upper

94 100

96 94.0 74.6 112.0



#6

Chloroethane

Concen: 46.975 ug/l

RT: 1.37 min Scan# 75

Delta R.T. -0.02 min

Lab File: VF061760.D

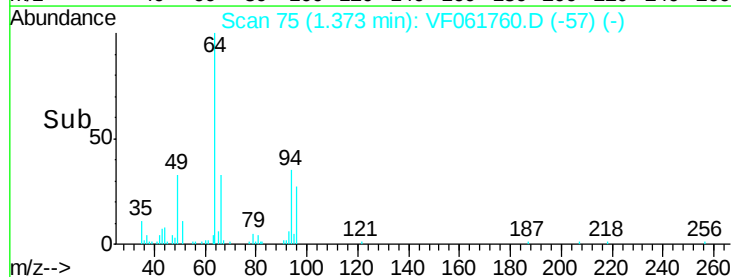
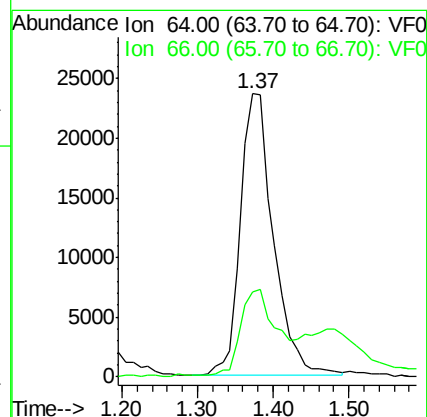
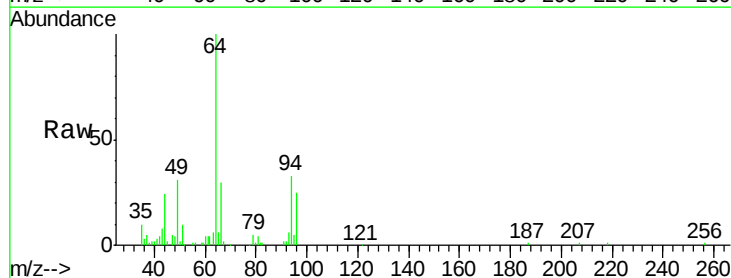
Acq: 27 Feb 2019 00:44

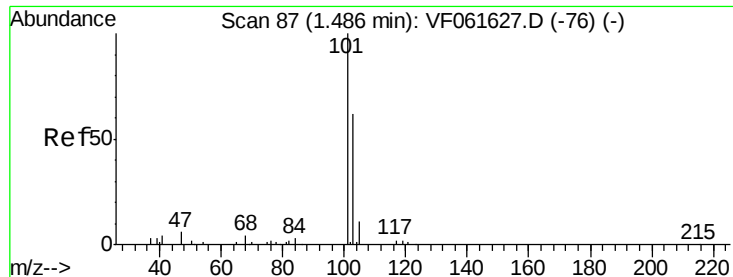
Tgt Ion: 64 Resp: 71396

Ion Ratio Lower Upper

64 100

66 30.2 27.9 41.9



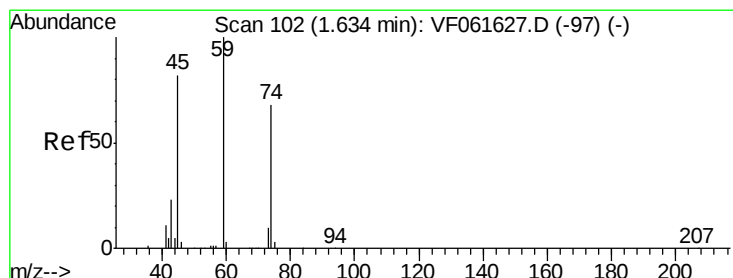
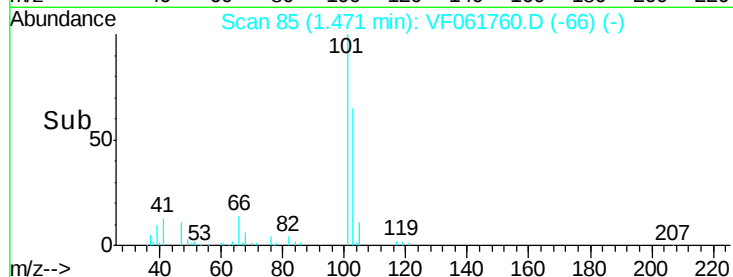
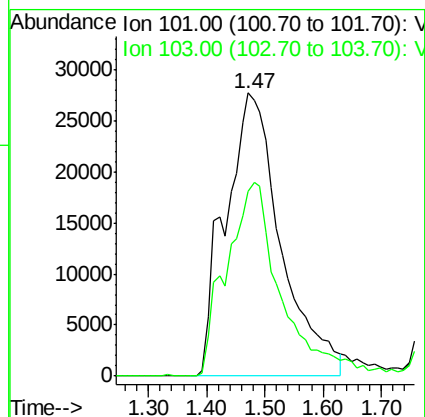
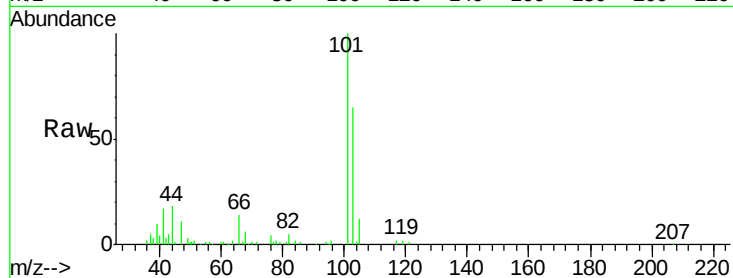


#7

Trichlorofluoromethane
Concen: 49.580 ug/l
RT: 1.47 min Scan# 85
Delta R.T. -0.01 min
Lab File: VF061760.D
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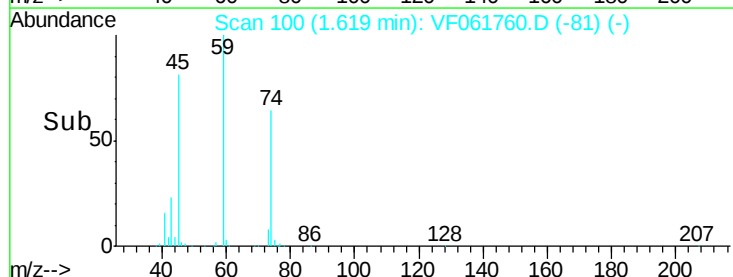
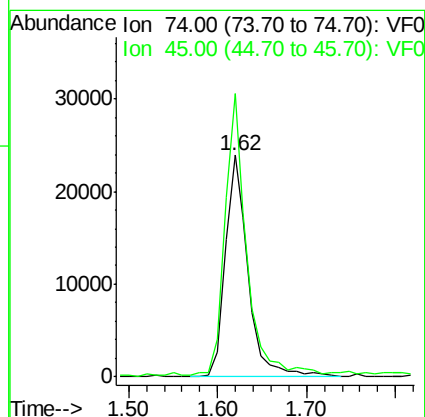
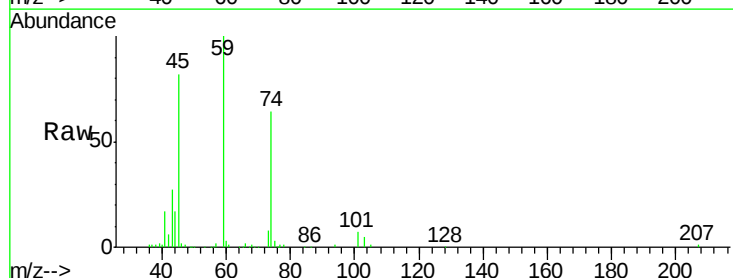
Tot Ion:101 Resp: 184429
Ion Ratio Lower Upper
101 100
103 65.4 49.3 73.9

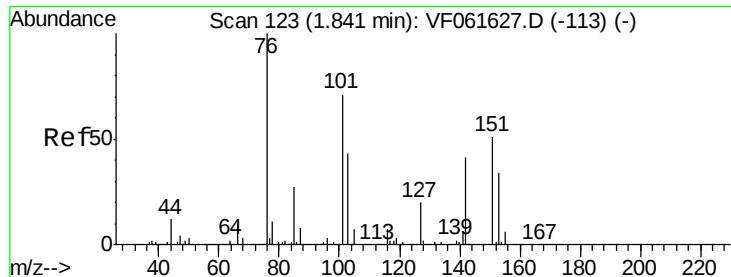


#8

Diethyl Ether
Concen: 46.010 ug/l
RT: 1.62 min Scan# 100
Delta R.T. -0.01 min
Lab File: VF061760.D
Acq: 27 Feb 2019 00:44

Tgt Ion: 74 Resp: 43131
Ion Ratio Lower Upper
74 100
45 127.8 60.8 182.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.548 ug/l

RT: 1.82 min Scan# 120

Delta R.T. -0.02 min

Lab File: VF061760.D

Acq: 27 Feb 2019 00:44

Instrument :

MSVOA_F

ClientSampleId :

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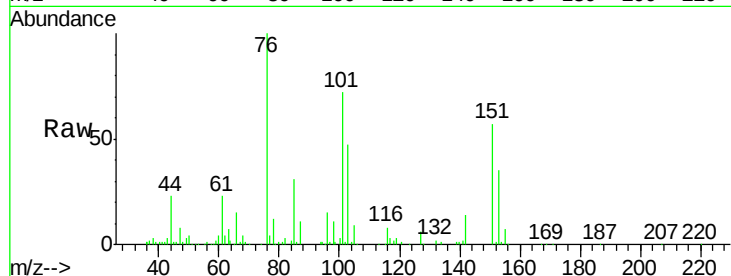
Tot Ion:101 Resp: 130277

Ion Ratio Lower Upper

101 100

85 43.6 29.8 44.6

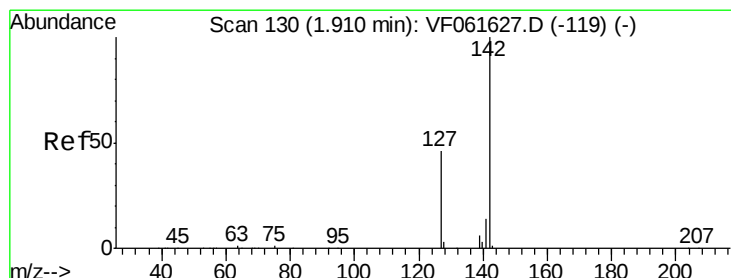
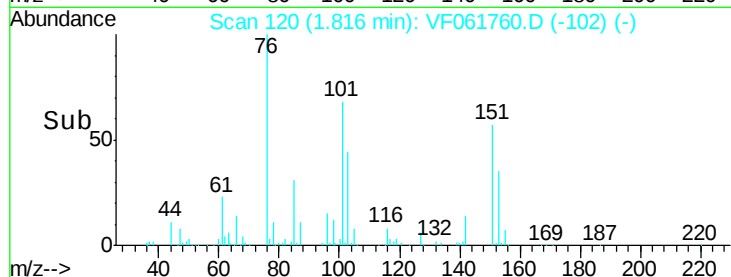
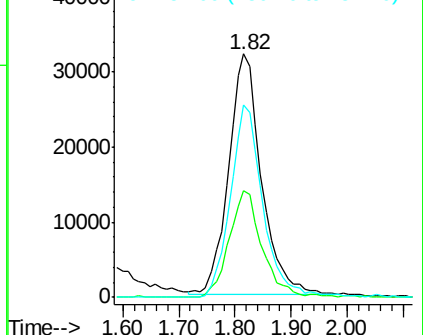
151 79.2 56.3 84.5



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: 37.874 ug/l

RT: 1.89 min Scan# 127

Delta R.T. -0.02 min

Lab File: VF061760.D

Acq: 27 Feb 2019 00:44

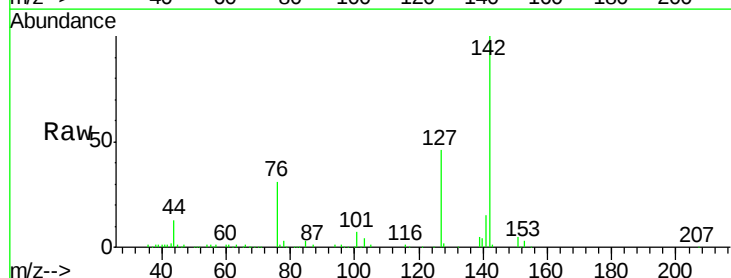
Tgt Ion:142 Resp: 194144

Ion Ratio Lower Upper

142 100

127 46.4 36.6 55.0

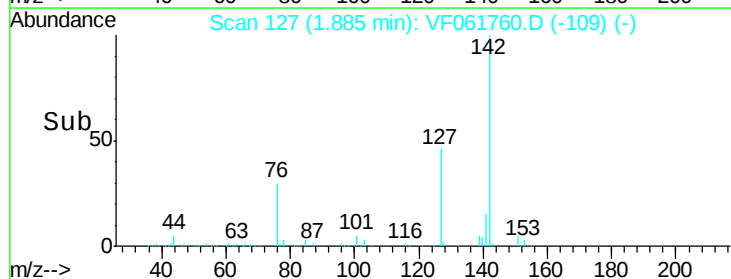
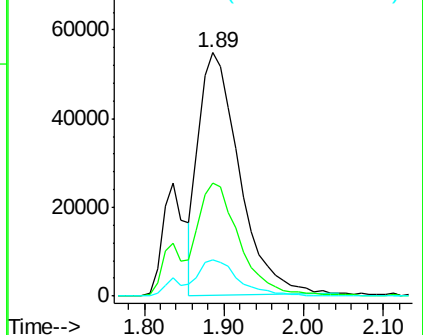
141 15.1 11.0 16.6

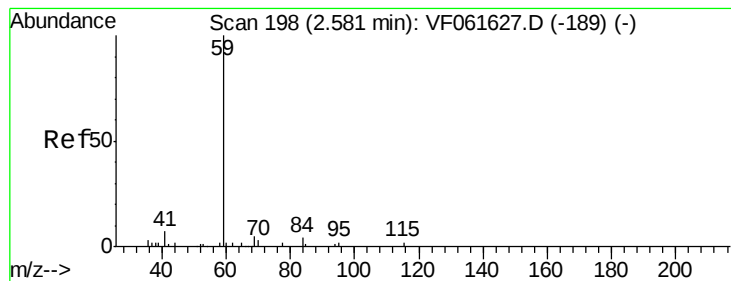


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



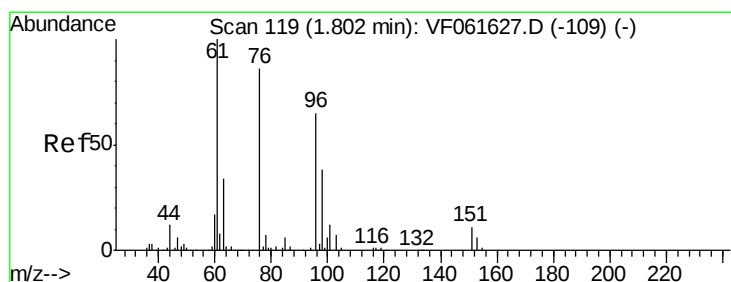
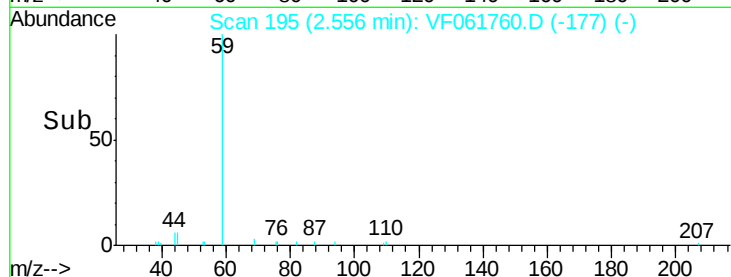
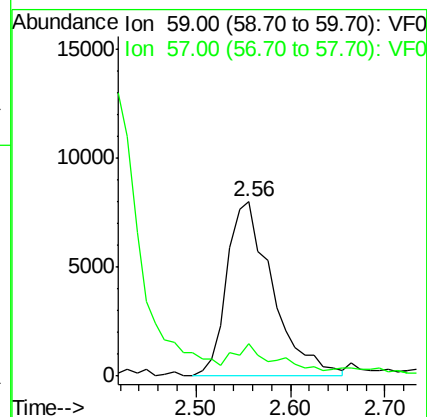
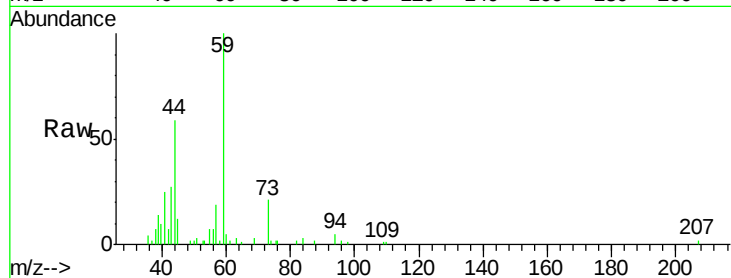


#11

Tert butyl alcohol
 Concen: 230.386 ug/l
 RT: 2.56 min Scan# 195
 Delta R.T. -0.02 min
 Lab File: VF061760.D
 Acq: 27 Feb 2019 00:44

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

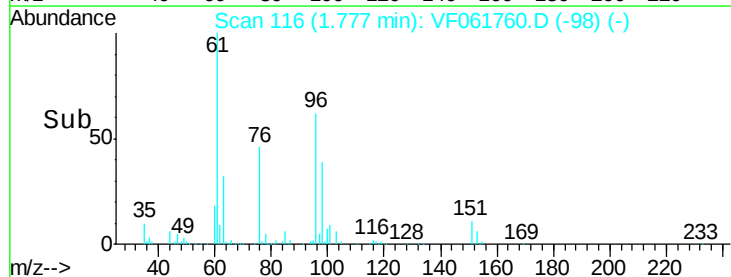
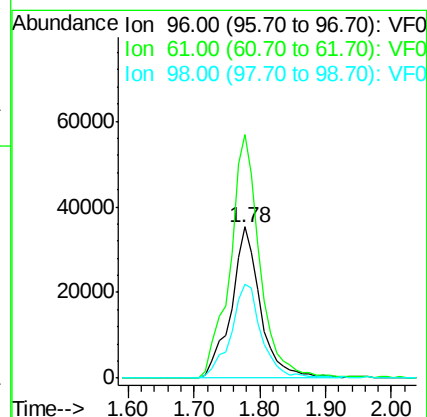
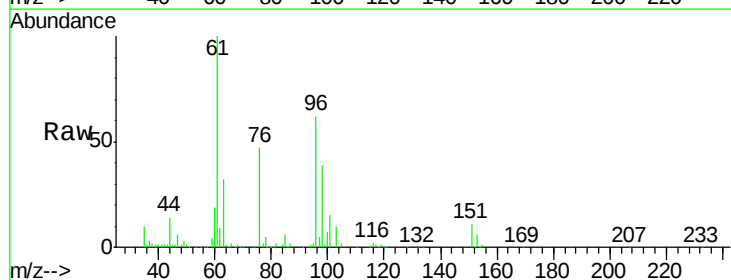
Tot Ion: 59 Resp: 26921
 Ion Ratio Lower Upper
 59 100
 57 18.5 12.5 18.7

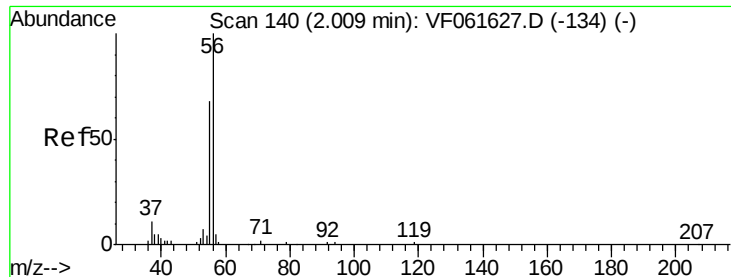


#12

1,1-Dichloroethene
 Concen: 46.511 ug/l
 RT: 1.78 min Scan# 116
 Delta R.T. -0.02 min
 Lab File: VF061760.D
 Acq: 27 Feb 2019 00:44

Tgt Ion: 96 Resp: 109737
 Ion Ratio Lower Upper
 96 100
 61 161.3 122.6 184.0
 98 62.5 47.2 70.8





#13

Acrolein

Concen: 245.660 ug/l

RT: 1.98 min Scan# 137

Delta R.T. -0.02 min

Lab File: VF061760.D

Acq: 27 Feb 2019 00:44

Instrument :

MSVOA_F

ClientSampleId :

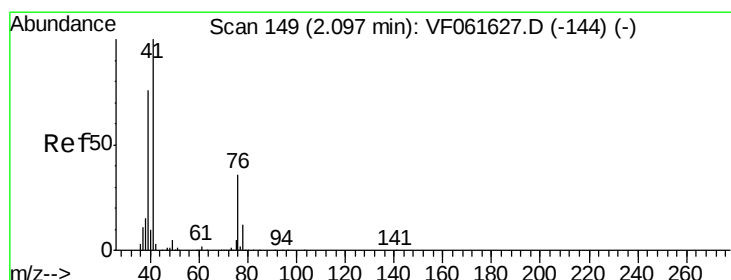
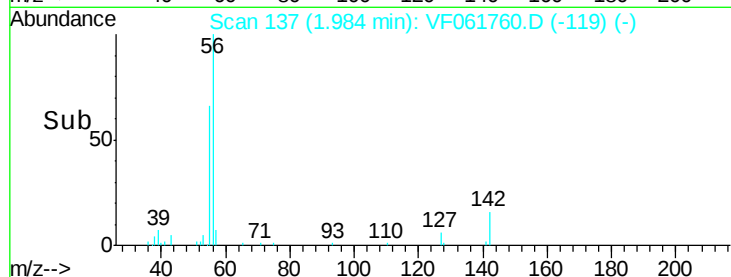
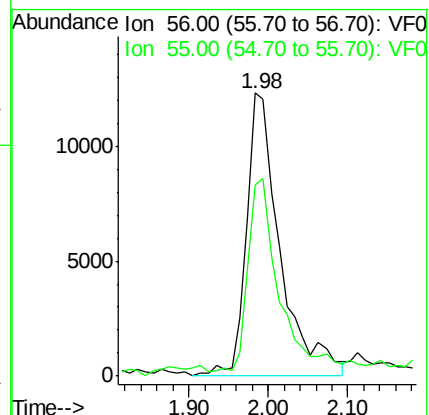
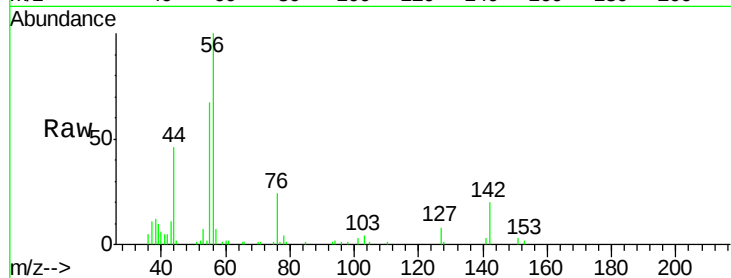
VSTDCCC050EC

Tot Ion: 56 Resp: 36078

Ion Ratio Lower Upper

56 100

55 67.3 55.0 82.6



#14

Allyl chloride

Concen: 44.426 ug/l

RT: 2.08 min Scan# 147

Delta R.T. -0.01 min

Lab File: VF061760.D

Acq: 27 Feb 2019 00:44

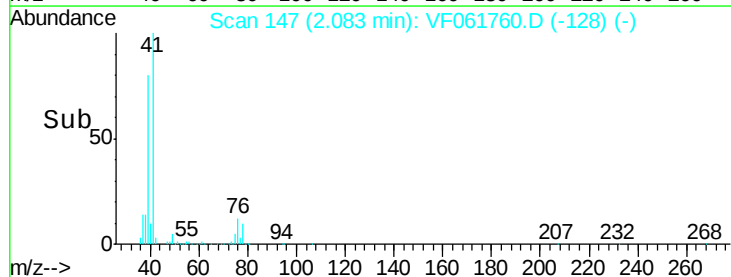
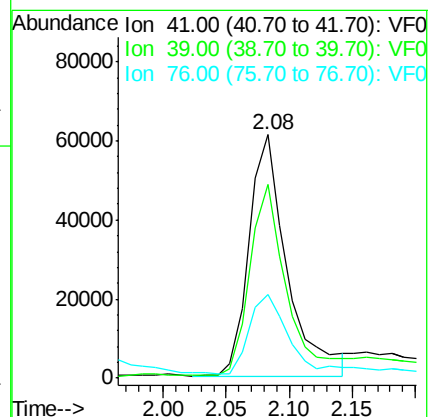
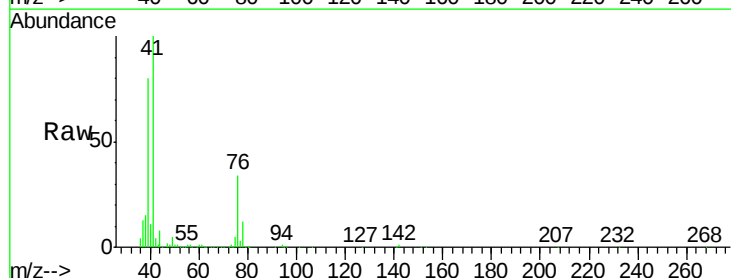
Tgt Ion: 41 Resp: 128621

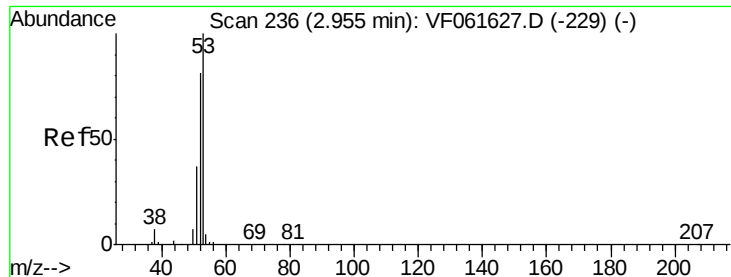
Ion Ratio Lower Upper

41 100

39 79.8 61.6 92.4

76 34.4 30.3 45.5





#15

Acrylonitrile

Concen: 212.328 ug/l

RT: 2.92 min Scan# 232

Delta R.T. -0.03 min

Lab File: VF061760.D

Acq: 27 Feb 2019 00:44

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

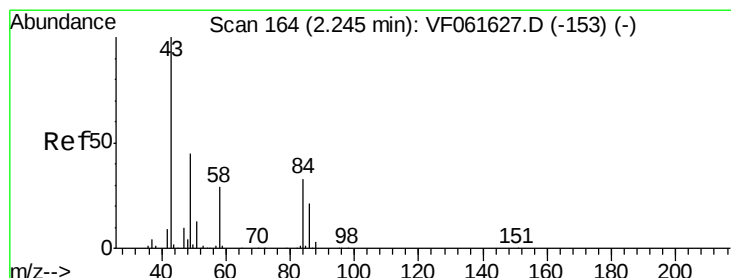
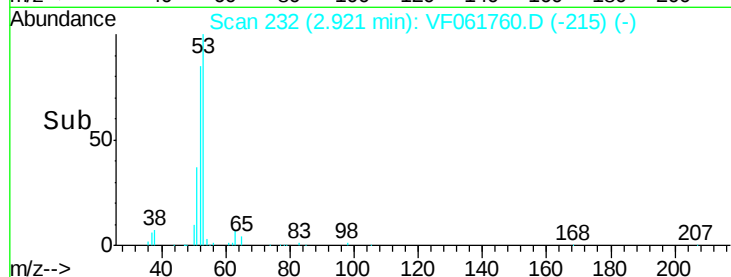
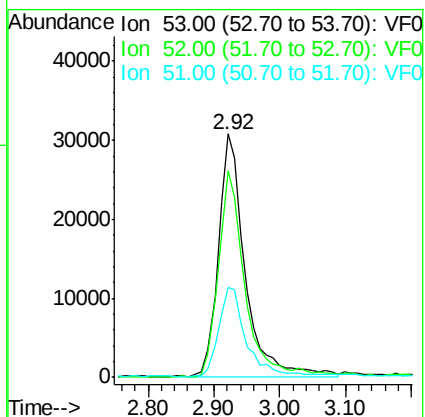
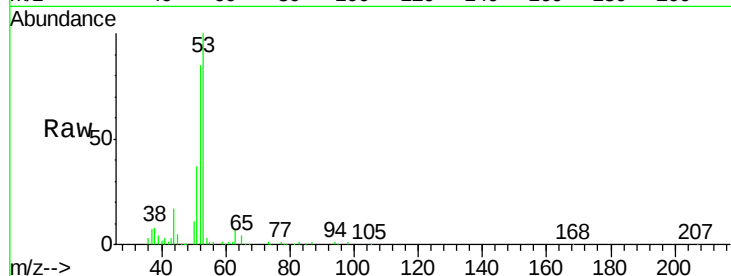
Tot Ion: 53 Resp: 88005

Ion Ratio Lower Upper

53 100

52 85.0 64.6 97.0

51 36.8 29.8 44.8



#16

Acetone

Concen: 199.320 ug/l

RT: 2.22 min Scan# 161

Delta R.T. -0.02 min

Lab File: VF061760.D

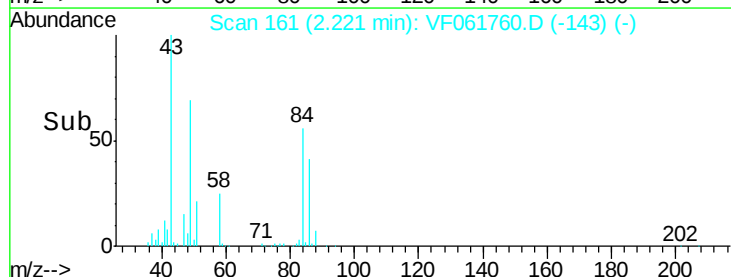
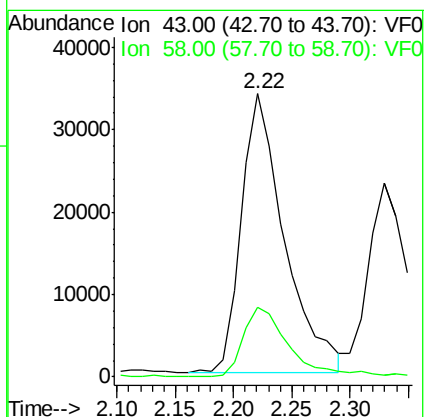
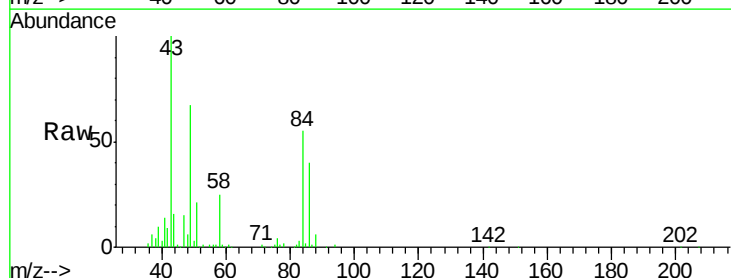
Acq: 27 Feb 2019 00:44

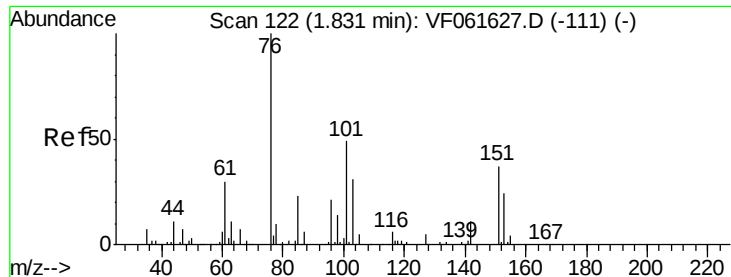
Tgt Ion: 43 Resp: 86346

Ion Ratio Lower Upper

43 100

58 24.6 22.9 34.3

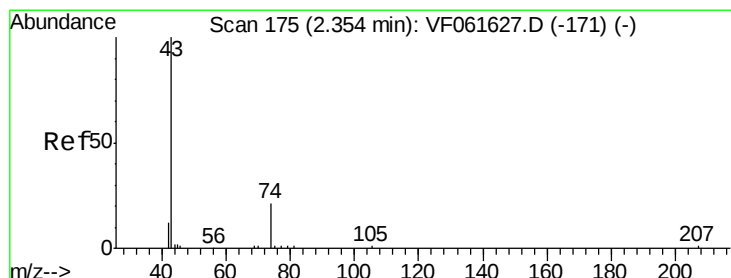
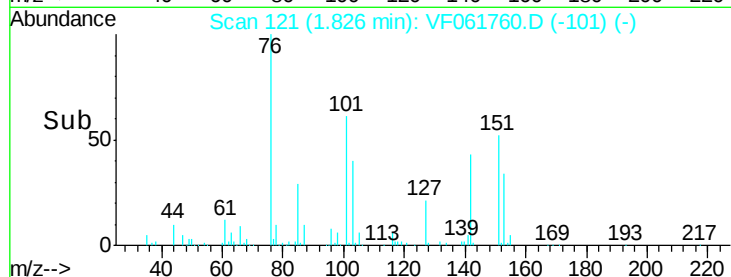
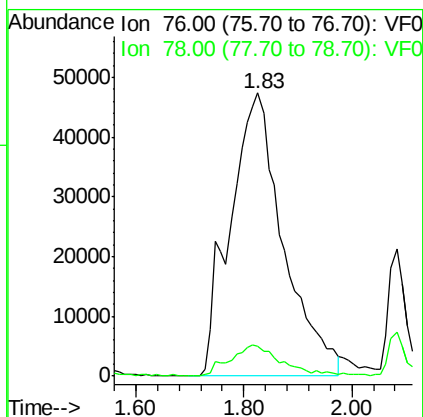
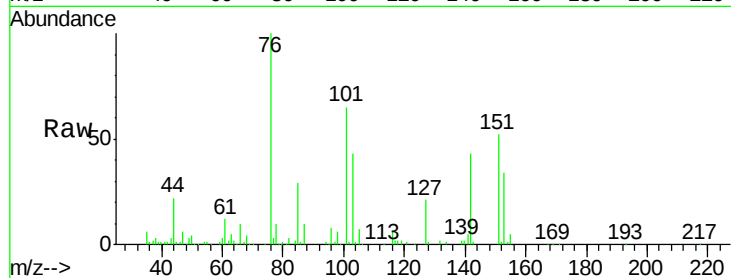




#17
Carbon Disulfide
Concen: 43.616 ug/l
RT: 1.83 min Scan# 121
Delta R.T. -0.00 min
Lab File: VF061760.D
Acq: 27 Feb 2019 00:44

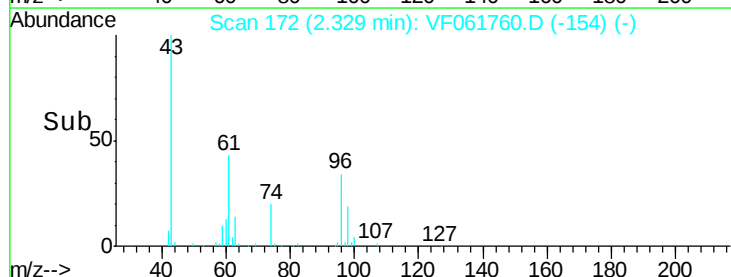
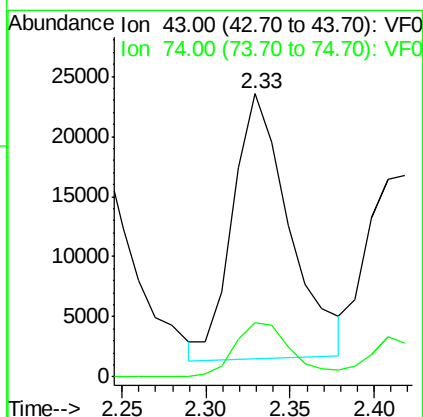
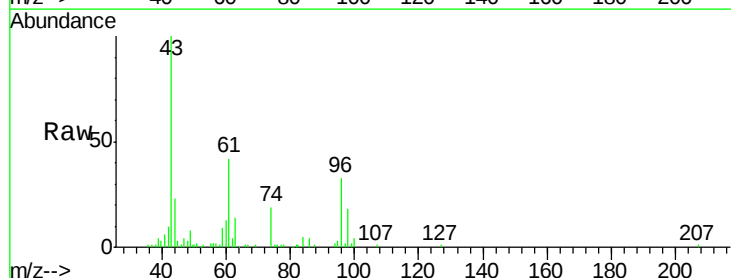
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

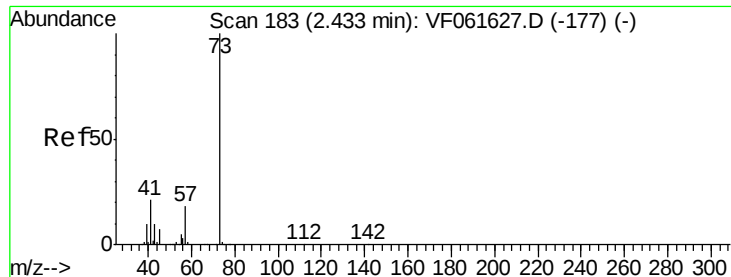
Tot Ion: 76 Resp: 323467
Ion Ratio Lower Upper
76 100
78 10.7 7.9 11.9



#18
Methyl Acetate
Concen: 53.251 ug/l
RT: 2.33 min Scan# 172
Delta R.T. -0.02 min
Lab File: VF061760.D
Acq: 27 Feb 2019 00:44

Tgt Ion: 43 Resp: 51968
Ion Ratio Lower Upper
43 100
74 19.3 14.6 21.8





#19

Methyl tert-butyl Ether

Concen: 51.257 ug/l

RT: 2.42 min Scan# 181

Delta R.T. -0.01 min

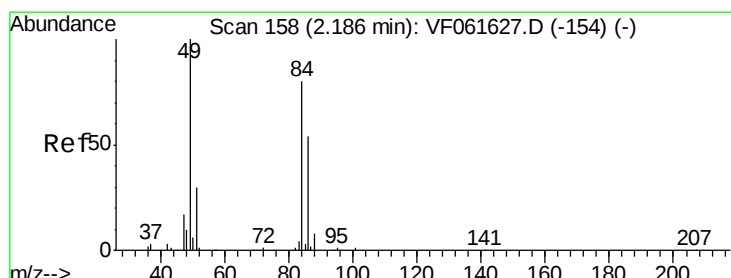
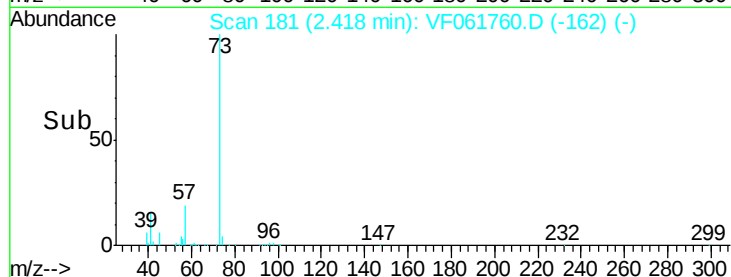
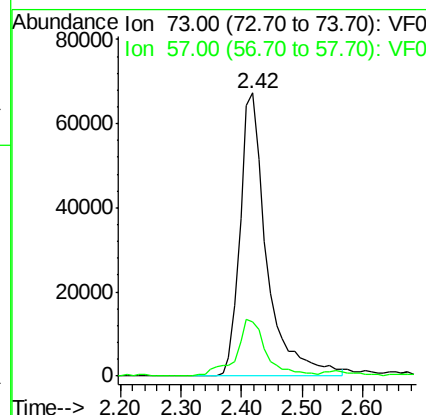
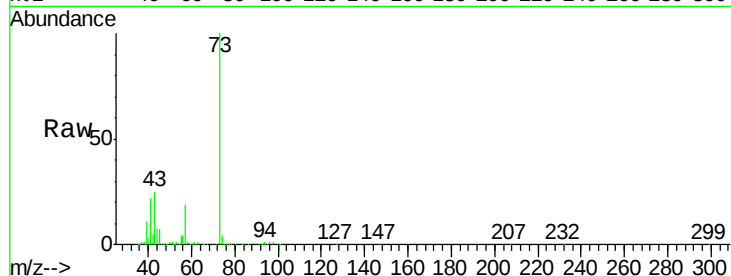
Lab File: VF061760.D

Acq: 27 Feb 2019 00:44

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 206682

Ion	Ratio	Lower	Upper
73	100		
57	19.3	15.8	23.8



#20

Methylene Chloride

Concen: 16.499 ug/l

RT: 2.16 min Scan# 155

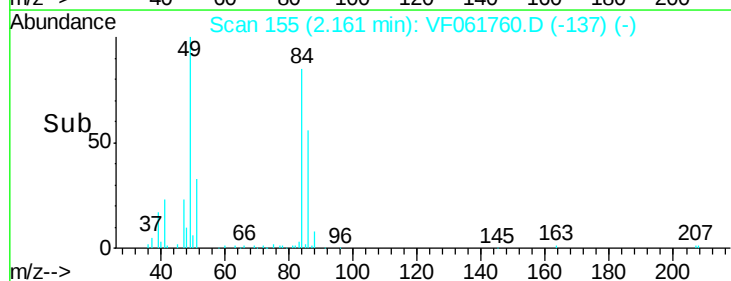
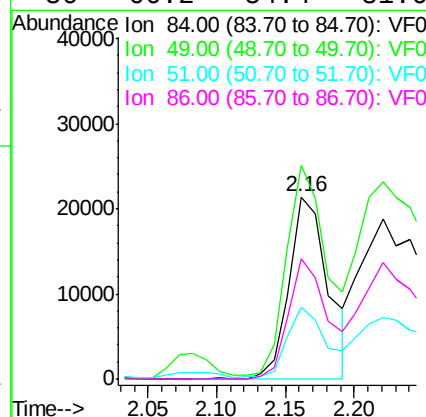
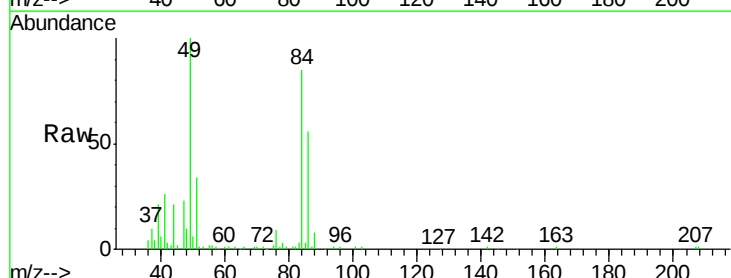
Delta R.T. -0.02 min

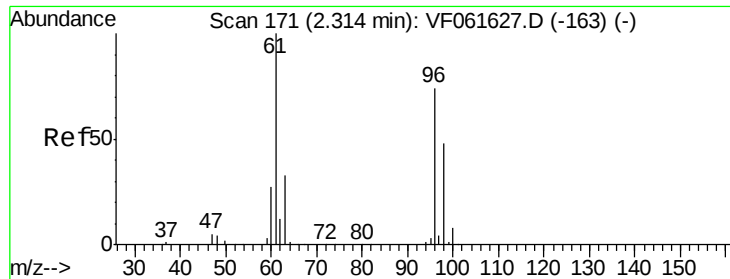
Lab File: VF061760.D

Acq: 27 Feb 2019 00:44

Tgt Ion: 84 Resp: 42221

Ion	Ratio	Lower	Upper
84	100		
49	117.2	101.8	152.8
51	39.4	31.1	46.7
86	66.2	54.4	81.6





#21

trans-1,2-Dichloroethene

Concen: 45.057 ug/l

RT: 2.30 min Scan# 169

Delta R.T. -0.01 min

Lab File: VF061760.D

Acq: 27 Feb 2019 00:44

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

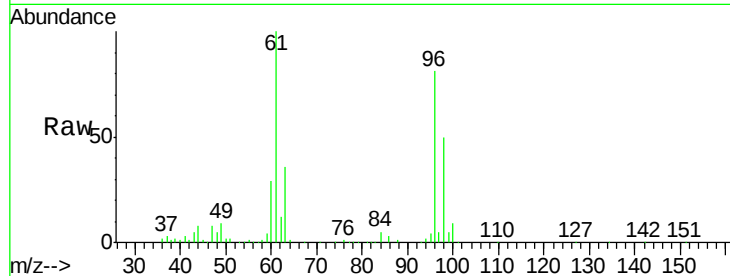
Tot Ion: 96 Resp: 115563

Ion Ratio Lower Upper

96 100

61 124.0 108.2 162.4

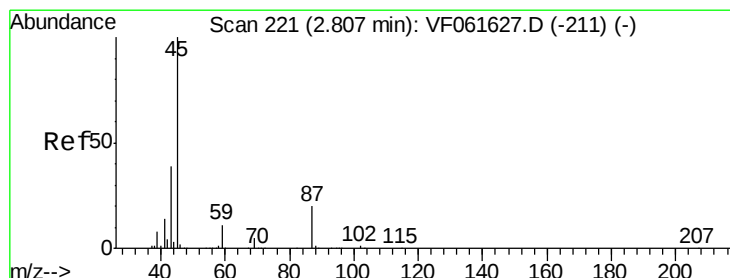
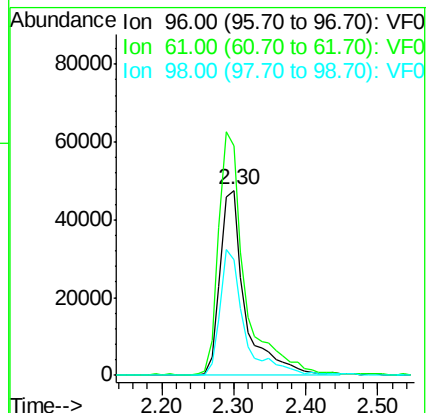
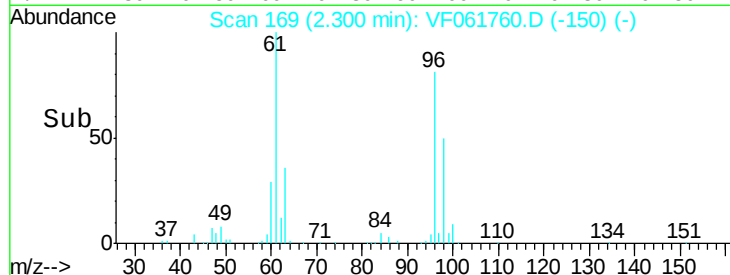
98 62.5 52.2 78.2



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#22

Diisopropyl ether

Concen: 50.162 ug/l

RT: 2.78 min Scan# 218

Delta R.T. -0.02 min

Lab File: VF061760.D

Acq: 27 Feb 2019 00:44

Tgt Ion: 45 Resp: 348612

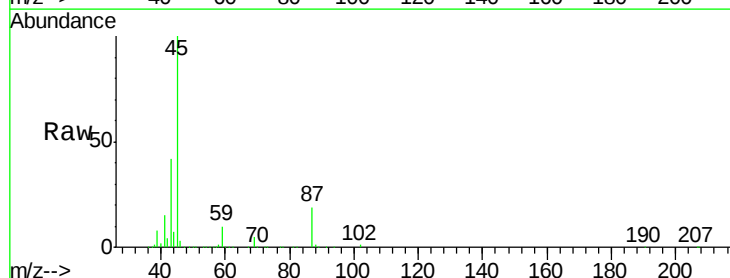
Ion Ratio Lower Upper

45 100

43 42.0 31.4 47.2

87 19.3 16.3 24.5

59 9.6 8.7 13.1

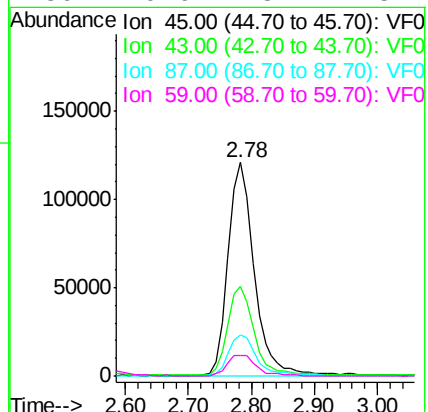
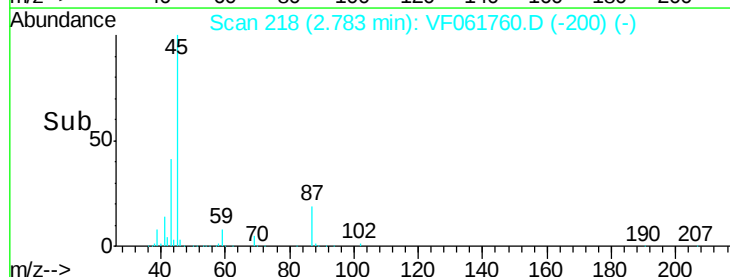


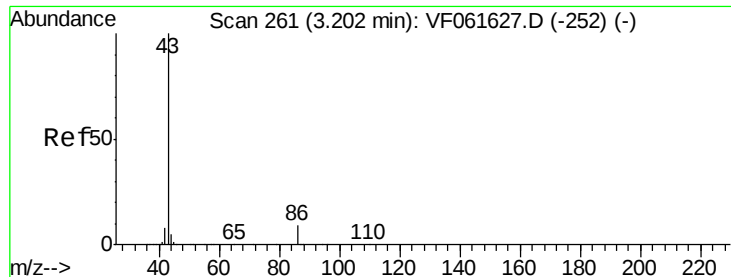
Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 223.753 ug/l

RT: 3.17 min Scan# 257

Delta R.T. -0.03 min

Lab File: VF061760.D

Acq: 27 Feb 2019 00:44

Instrument :

MSVOA_F

ClientSampleId :

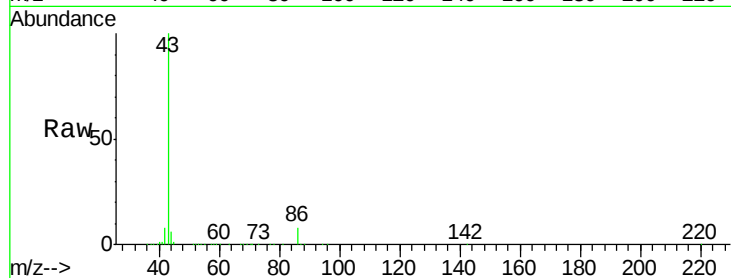
VSTDCCC050EC

Tot Ion: 43 Resp: 759514

Ion Ratio Lower Upper

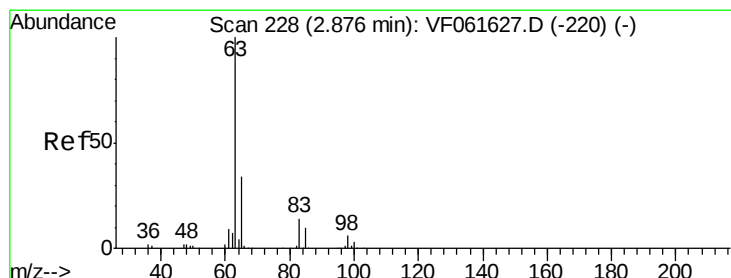
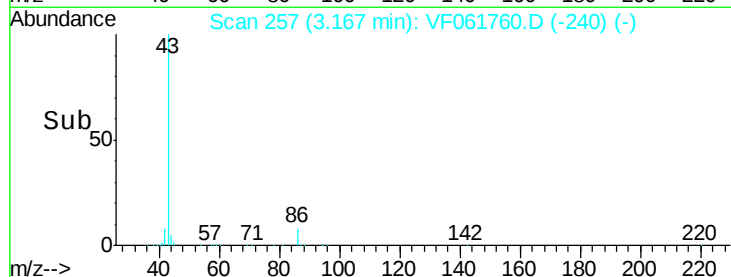
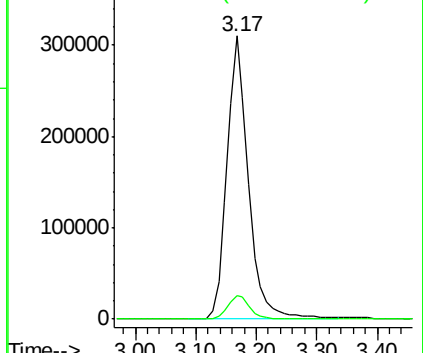
43 100

86 8.3 7.5 11.3



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 47.928 ug/l

RT: 2.85 min Scan# 225

Delta R.T. -0.02 min

Lab File: VF061760.D

Acq: 27 Feb 2019 00:44

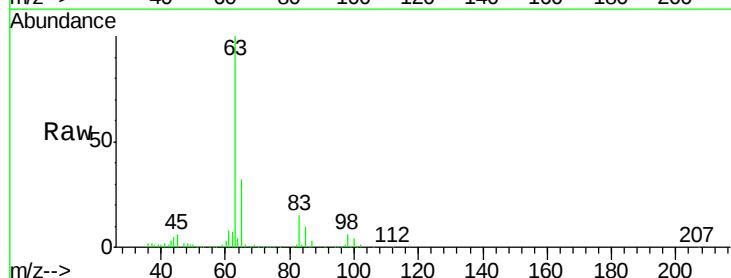
Tgt Ion: 63 Resp: 201569

Ion Ratio Lower Upper

63 100

98 6.1 2.8 8.3

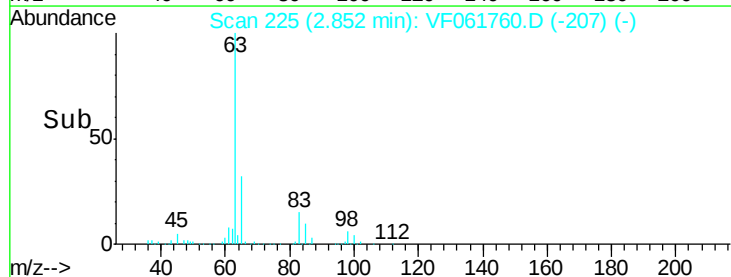
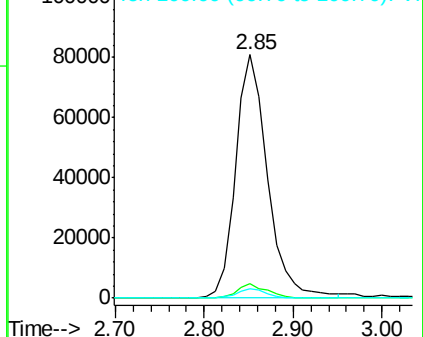
100 3.7 1.8 5.4

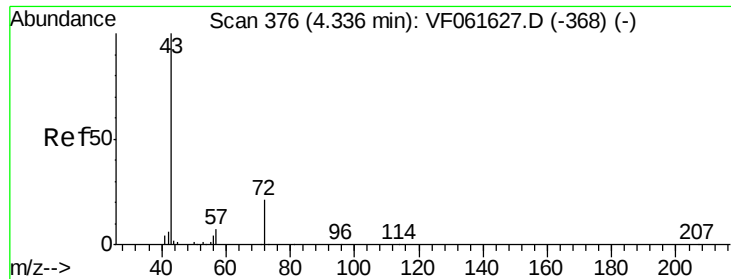


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 208.187 ug/l

RT: 4.31 min Scan# 373

Delta R.T. -0.02 min

Lab File: VF061760.D

Acq: 27 Feb 2019 00:44

Instrument :

MSVOA_F

ClientSampleId :

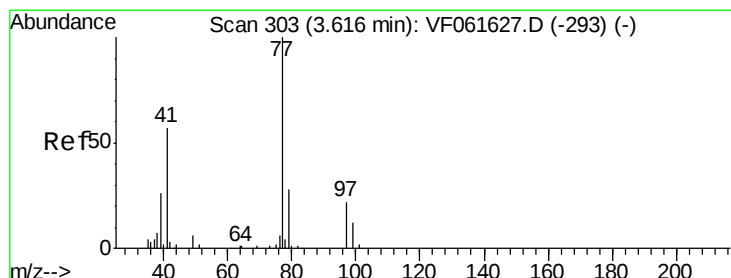
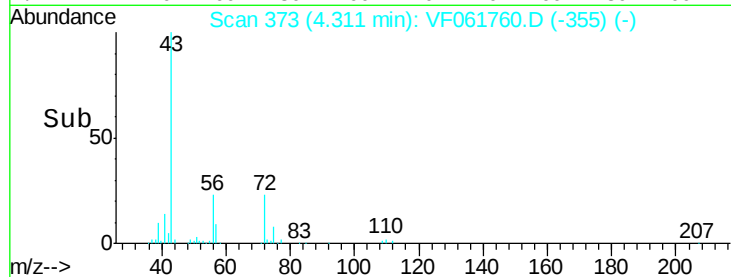
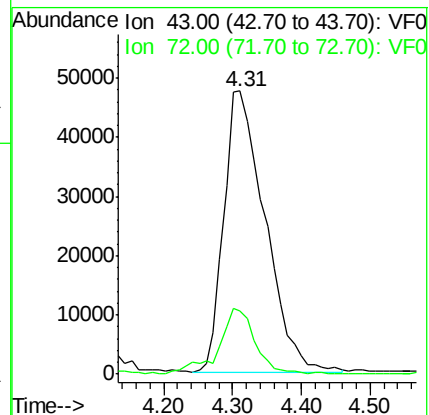
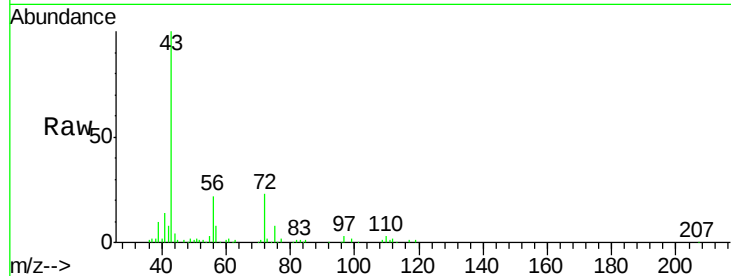
VSTDCCC050EC

Tot Ion: 43 Resp: 196998

Ion Ratio Lower Upper

43 100

72 22.5 17.1 25.7



#26

2,2-Dichloropropane

Concen: 48.333 ug/l

RT: 3.57 min Scan# 298

Delta R.T. -0.04 min

Lab File: VF061760.D

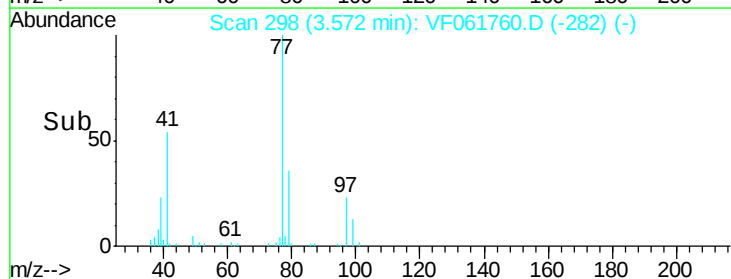
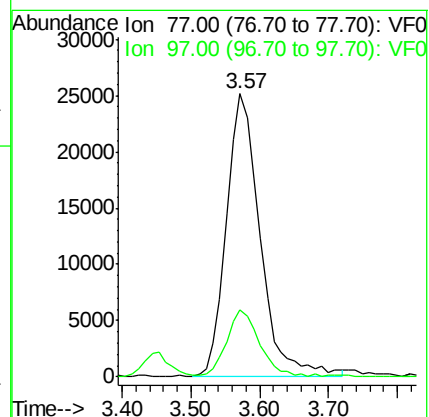
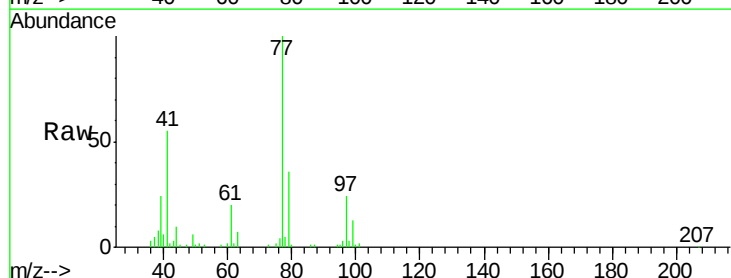
Acq: 27 Feb 2019 00:44

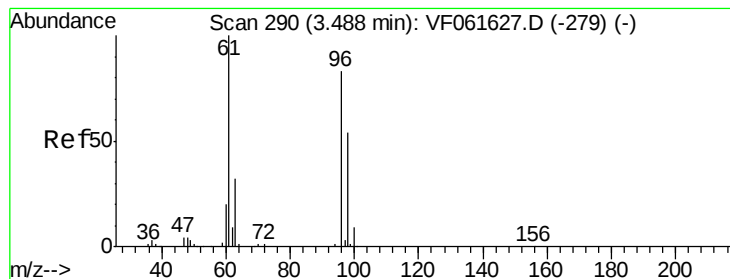
Tgt Ion: 77 Resp: 86102

Ion Ratio Lower Upper

77 100

97 23.6 11.7 35.0



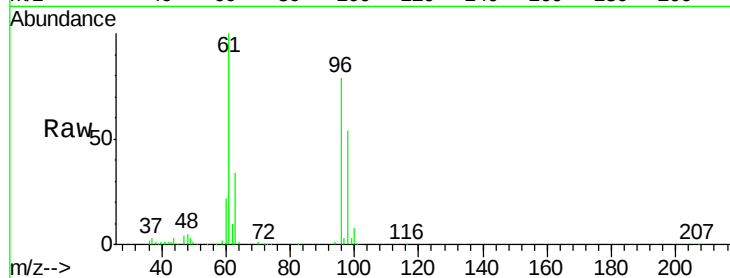


#27

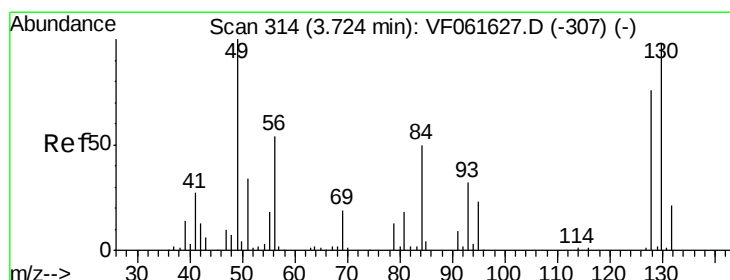
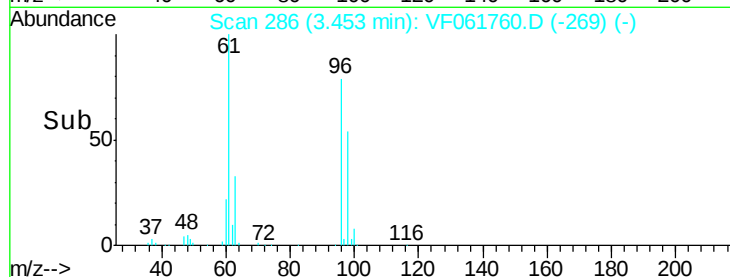
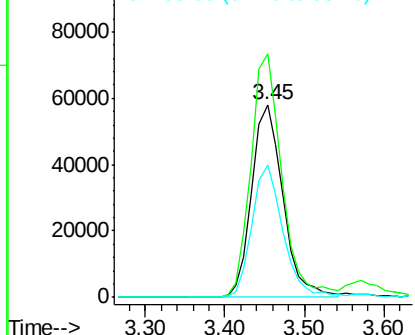
cis-1,2-Dichloroethene
 Concen: 46.619 ug/l
 RT: 3.45 min Scan# 286
 Delta R.T. -0.03 min
 Lab File: VF061760.D
 Acq: 27 Feb 2019 00:44

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 96 Resp: 156942
 Ion Ratio Lower Upper
 96 100
 61 126.2 0.0 241.6
 98 68.7 0.0 130.2



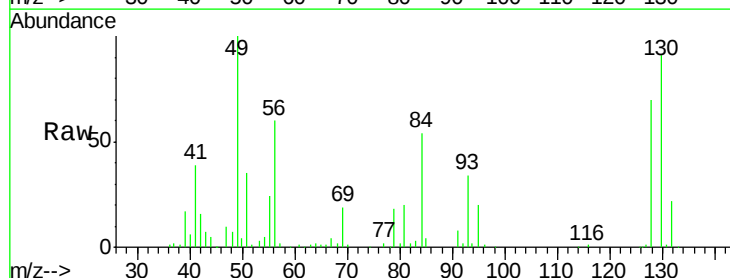
Abundance Ion 96.00 (95.70 to 96.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 98.00 (97.70 to 98.70): VF0



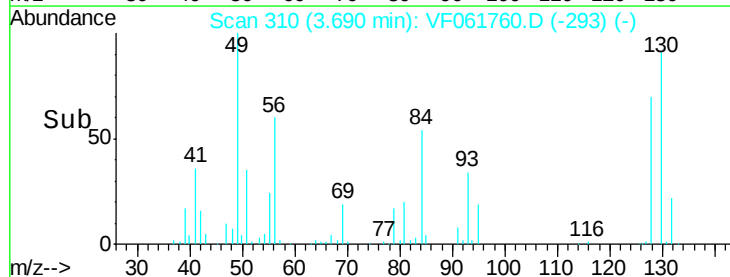
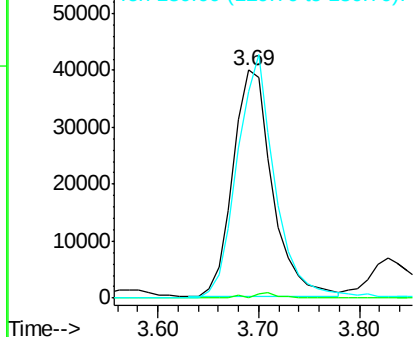
#28

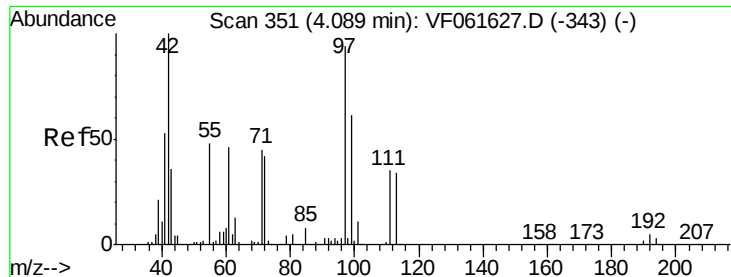
Bromochloromethane
 Concen: 53.921 ug/l
 RT: 3.69 min Scan# 310
 Delta R.T. -0.03 min
 Lab File: VF061760.D
 Acq: 27 Feb 2019 00:44

Tgt Ion: 49 Resp: 108809
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 3.4
 130 90.7 77.7 116.5



Abundance Ion 49.00 (48.70 to 49.70): VF0
 Ion 129.00 (128.70 to 129.70): V
 Ion 130.00 (129.70 to 130.70): V





#29

Tetrahydrofuran

Concen: 205.473 ug/l

RT: 4.04 min Scan# 346

Delta R.T. -0.04 min

Lab File: VF061760.D

Acq: 27 Feb 2019 00:44

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

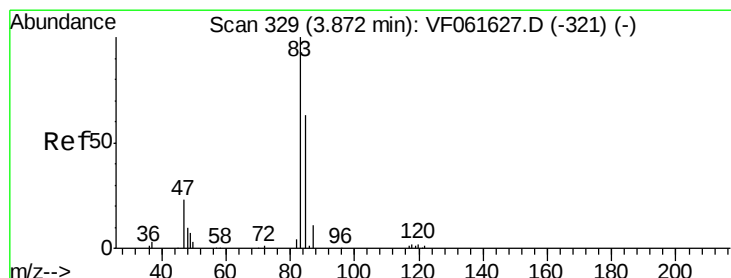
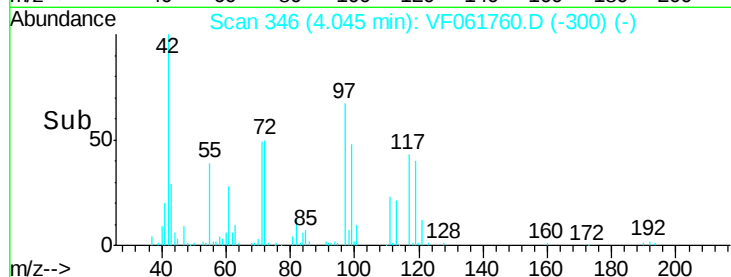
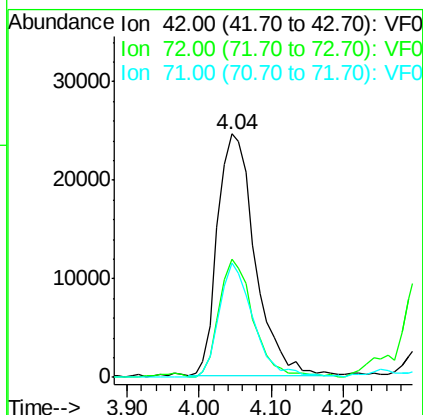
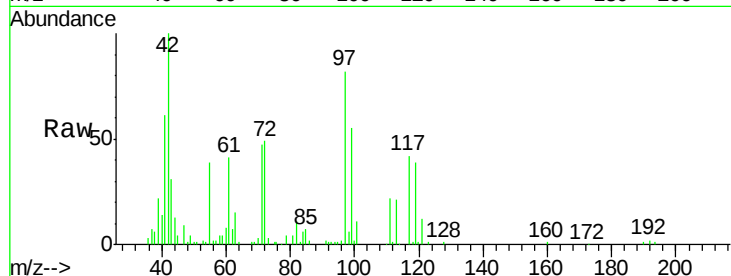
Tot Ion: 42 Resp: 88370

Ion Ratio Lower Upper

42 100

72 45.4 35.2 52.8

71 43.0 32.9 49.3



#30

Chloroform

Concen: 48.673 ug/l

RT: 3.83 min Scan# 324

Delta R.T. -0.04 min

Lab File: VF061760.D

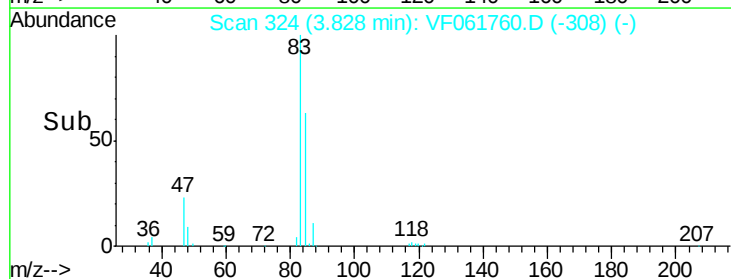
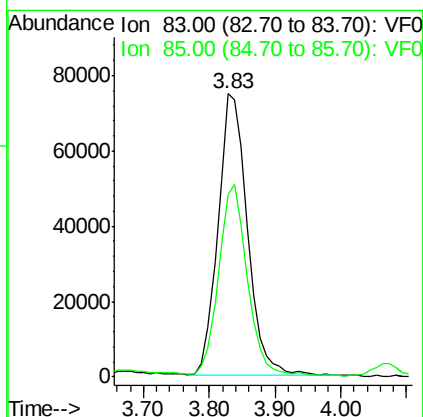
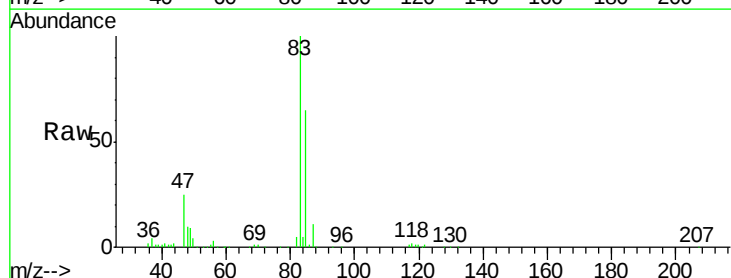
Acq: 27 Feb 2019 00:44

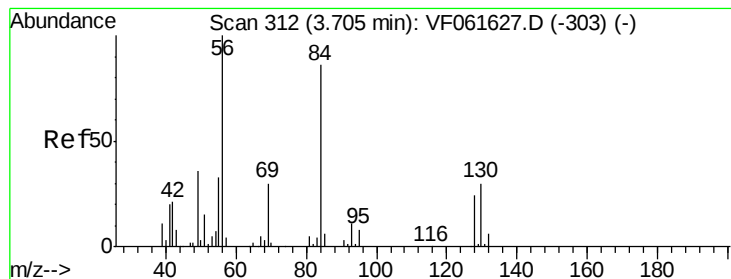
Tgt Ion: 83 Resp: 232797

Ion Ratio Lower Upper

83 100

85 64.6 51.1 76.7





#31

Cyclohexane

Concen: 43.543 ug/l

RT: 3.66 min Scan# 307

Delta R.T. -0.04 min

Lab File: VF061760.D

Acq: 27 Feb 2019 00:44

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

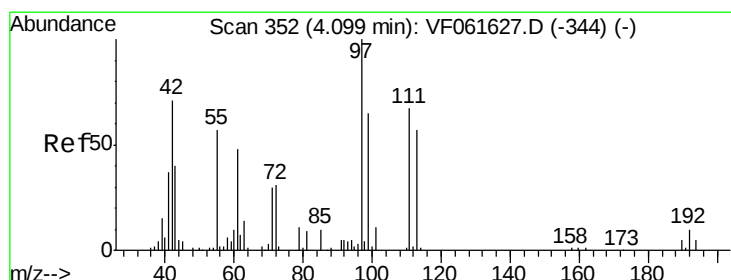
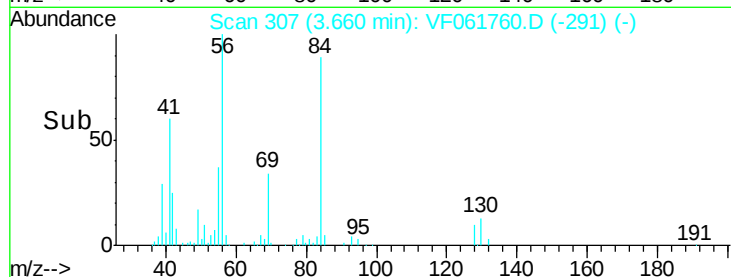
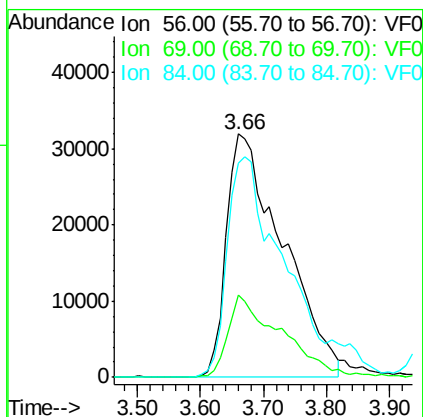
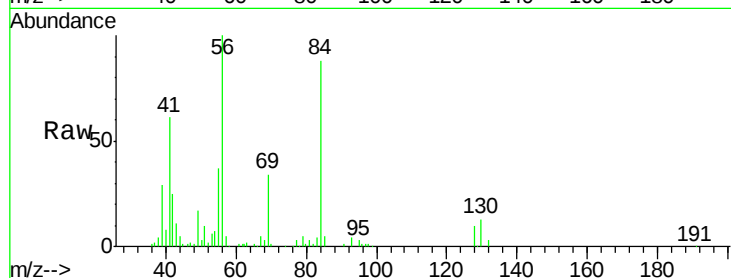
Tot Ion: 56 Resp: 198246

Ion Ratio Lower Upper

56 100

69 33.9 23.8 35.8

84 88.2 68.6 103.0



#32

1,1,1-Trichloroethane

Concen: 50.774 ug/l

RT: 4.06 min Scan# 348

Delta R.T. -0.03 min

Lab File: VF061760.D

Acq: 27 Feb 2019 00:44

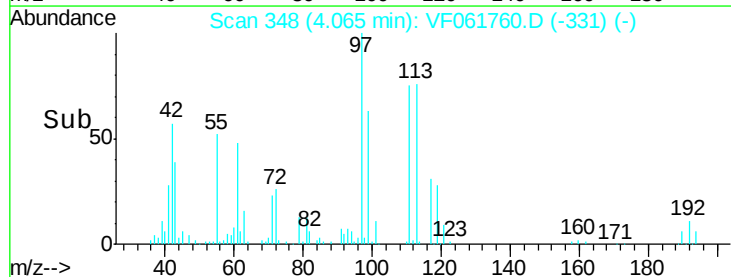
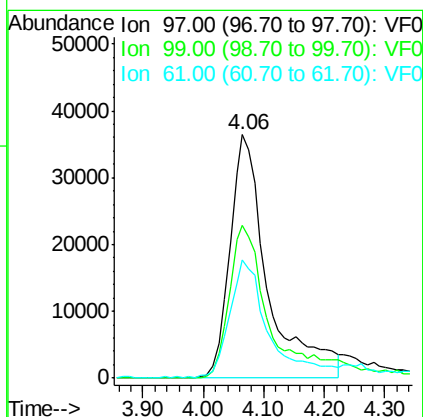
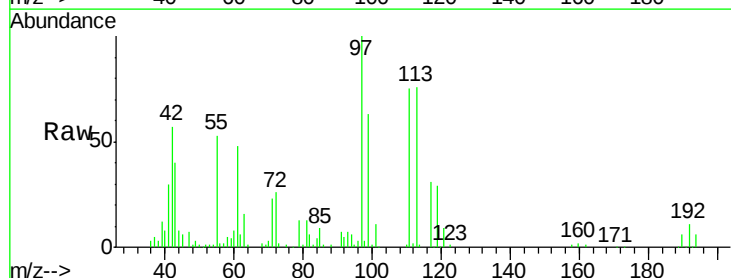
Tgt Ion: 97 Resp: 159077

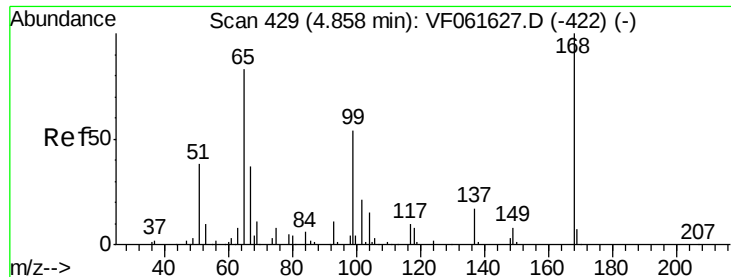
Ion Ratio Lower Upper

97 100

99 63.0 52.2 78.2

61 48.4 39.2 58.8





#33

1,2-Dichloroethane-d4

Concen: 52.414 ug/l

RT: 4.81 min Scan# 424

Delta R.T. -0.04 min

Lab File: VF061760.D

Acq: 27 Feb 2019 00:44

Instrument :

MSVOA_F

ClientSampleId :

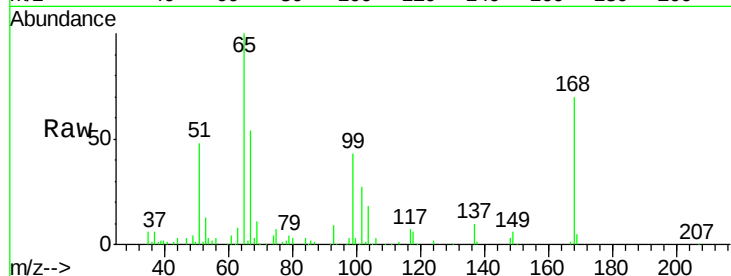
VSTDCCC050EC

Tot Ion: 65 Resp: 105828

Ion Ratio Lower Upper

65 100

67 54.4 0.0 104.0



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

40000

30000

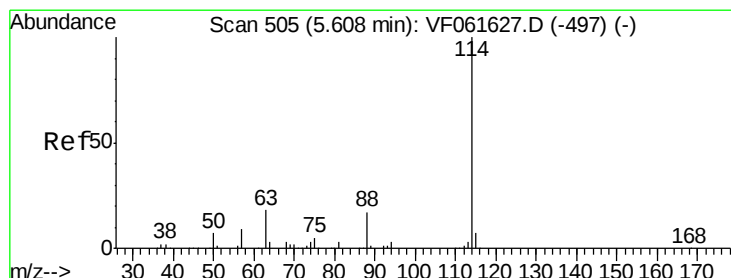
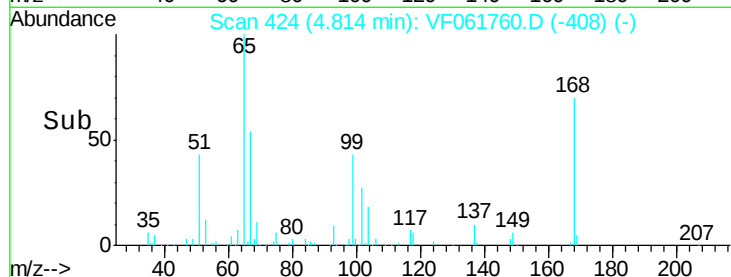
20000

10000

0

4.70 4.80 4.90

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.57 min Scan# 501

Delta R.T. -0.03 min

Lab File: VF061760.D

Acq: 27 Feb 2019 00:44

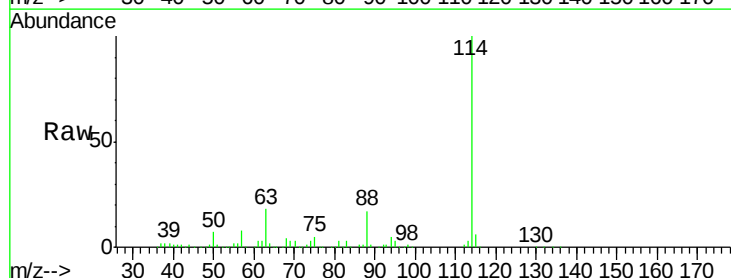
Tgt Ion: 114 Resp: 422966

Ion Ratio Lower Upper

114 100

63 17.9 0.0 36.6

88 17.5 0.0 34.4



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

200000

150000

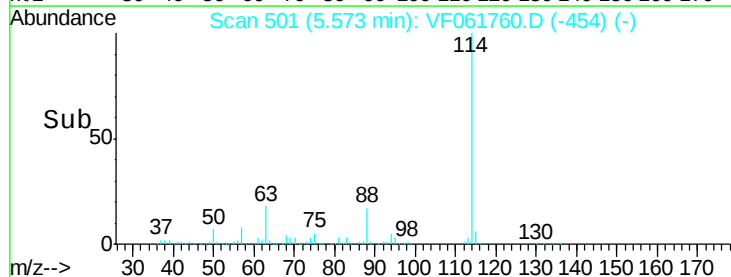
100000

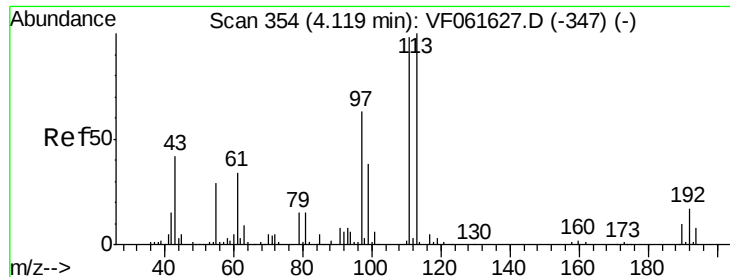
50000

0

5.40 5.50 5.60 5.70 5.80

Time-->





#35

Dibromofluoromethane

Concen: 50.653 ug/l

RT: 4.08 min Scan# 350

Delta R.T. -0.03 min

Lab File: VF061760.D

Acq: 27 Feb 2019 00:44

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

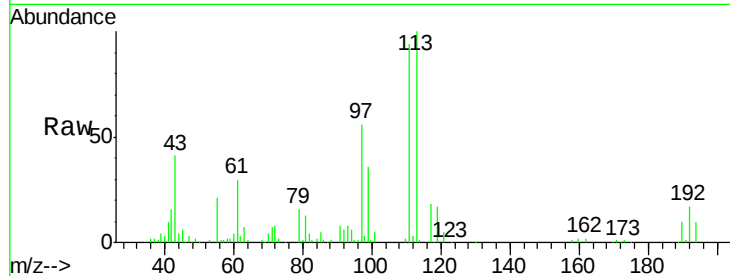
Tot Ion:113 Resp: 159101

Ion Ratio Lower Upper

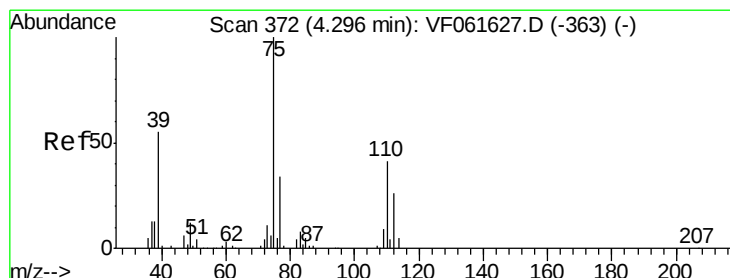
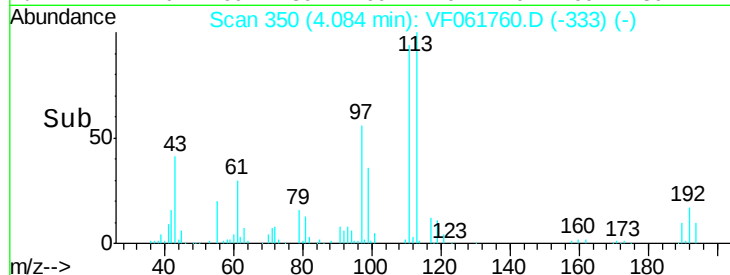
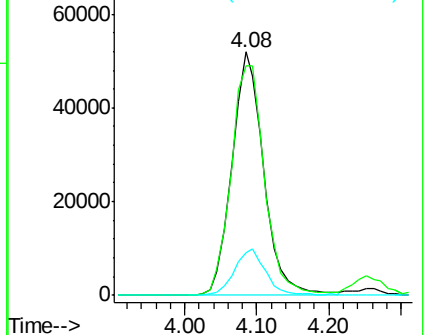
113 100

111 94.3 78.8 118.2

192 17.4 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: 42.187 ug/l

RT: 4.25 min Scan# 367

Delta R.T. -0.04 min

Lab File: VF061760.D

Acq: 27 Feb 2019 00:44

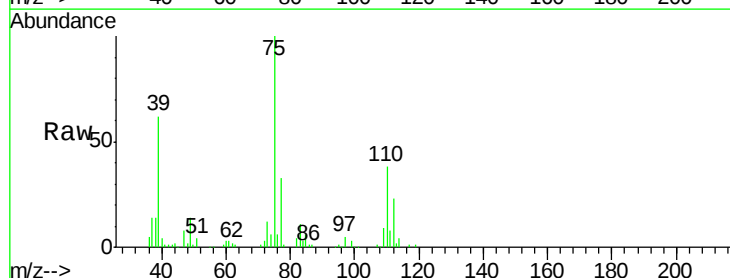
Tgt Ion: 75 Resp: 176762

Ion Ratio Lower Upper

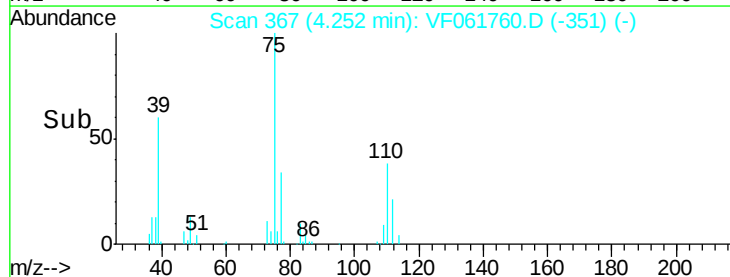
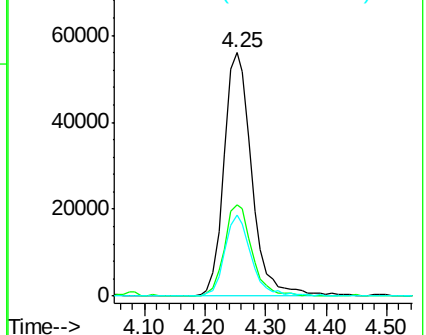
75 100

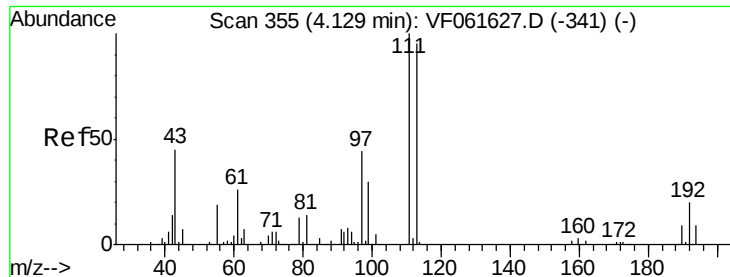
110 37.6 20.5 61.6

77 33.4 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

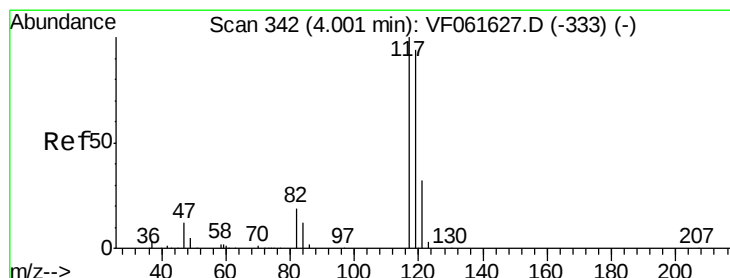
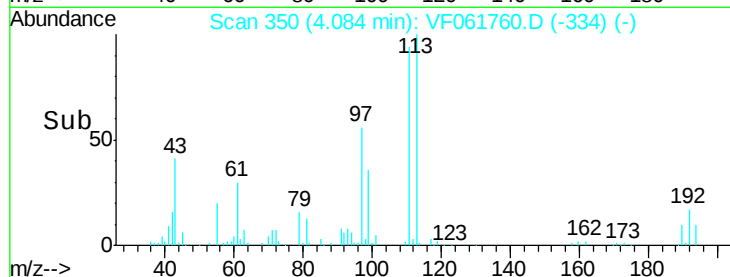
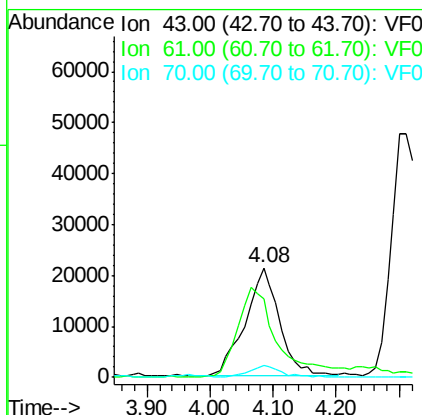
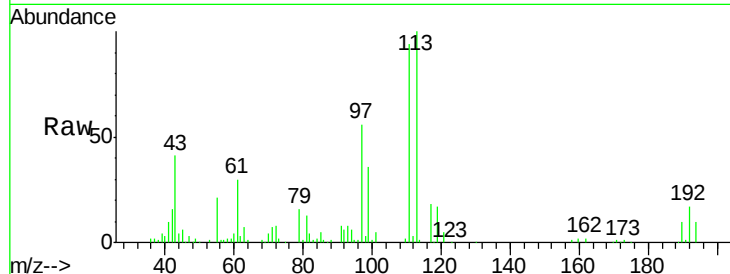




#37
Ethyl Acetate
Concen: 41.791 ug/l
RT: 4.08 min Scan# 350
Delta R.T. -0.04 min
Lab File: VF061760.D
Acq: 27 Feb 2019 00:44

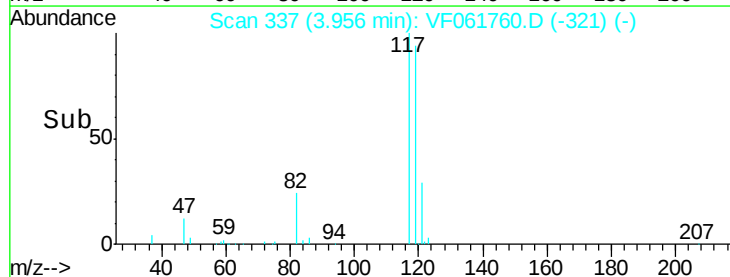
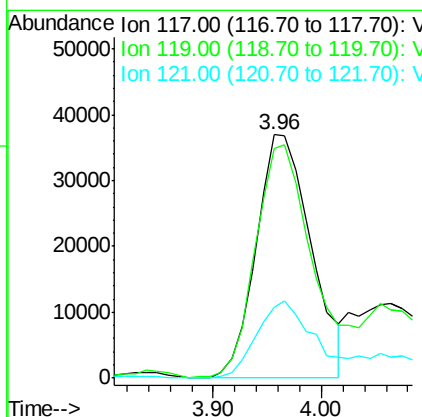
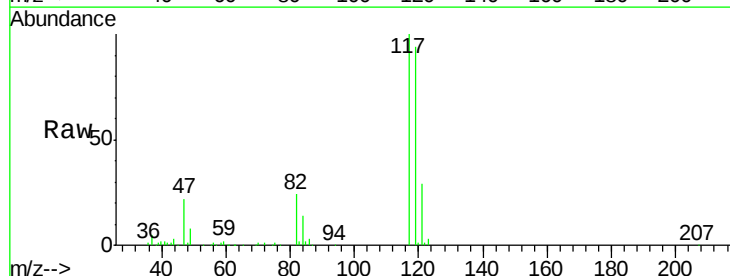
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

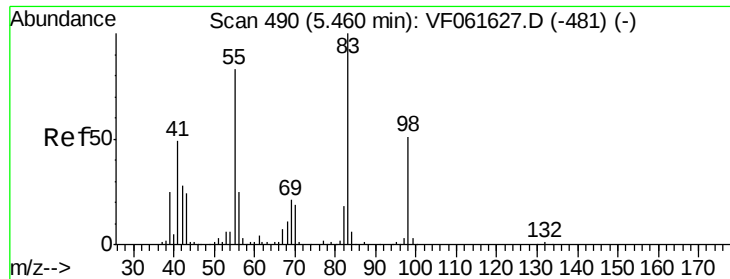
Tot Ion: 43 Resp: 81331
Ion Ratio Lower Upper
43 100
61 71.8 45.7 68.5#
70 10.5 8.5 12.7



#38
Carbon Tetrachloride
Concen: 44.803 ug/l
RT: 3.96 min Scan# 337
Delta R.T. -0.04 min
Lab File: VF061760.D
Acq: 27 Feb 2019 00:44

Tgt Ion: 117 Resp: 129625
Ion Ratio Lower Upper
117 100
119 94.3 75.6 113.4
121 29.1 25.2 37.8

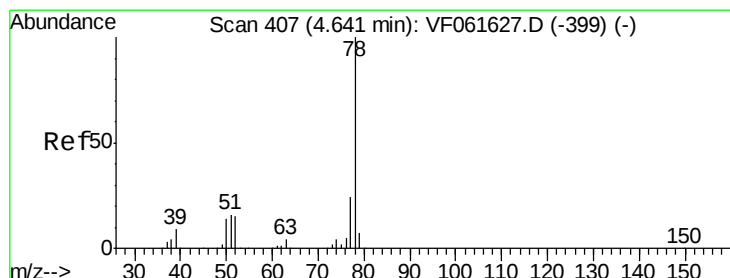
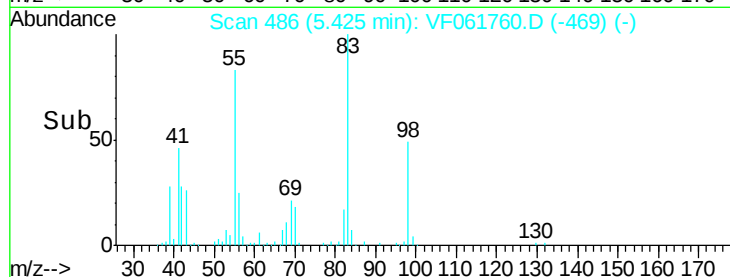
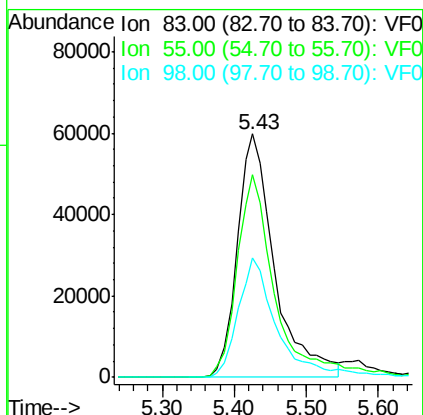
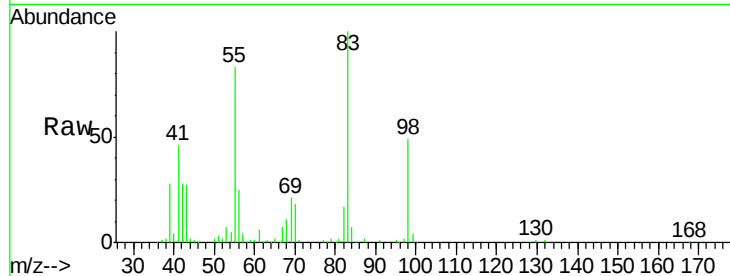




#39
Methvlcvclohexane
Concen: 43.546 ug/l
RT: 5.43 min Scan# 486
Delta R.T. -0.03 min
Lab File: VF061760.D
Acq: 27 Feb 2019 00:44

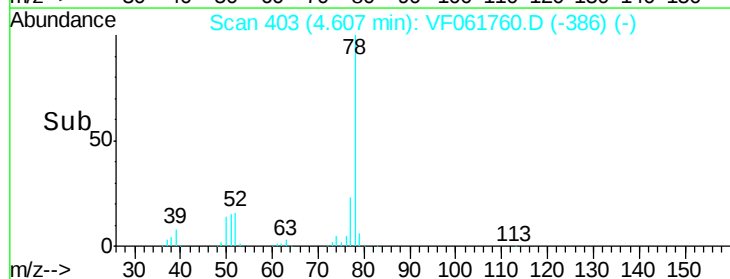
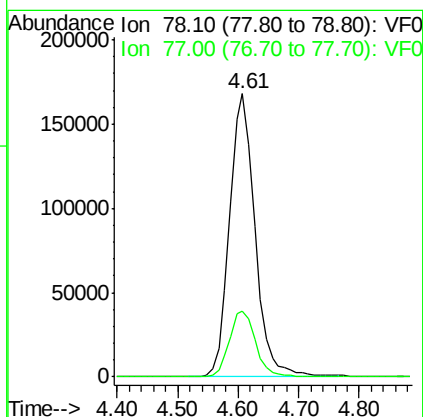
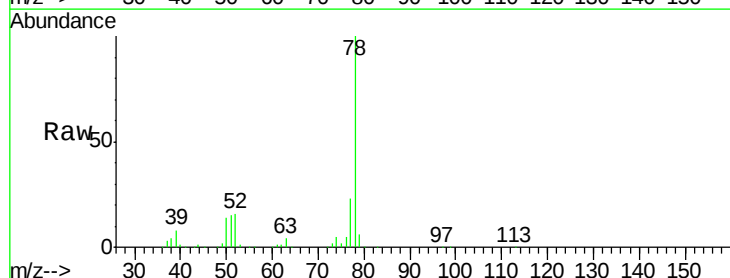
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

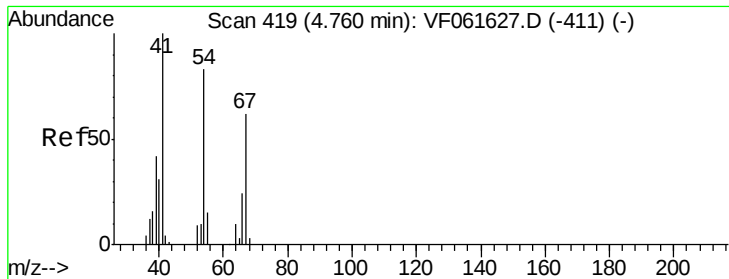
Tot Ion: 83 Resp: 215784
Ion Ratio Lower Upper
83 100
55 83.1 66.6 99.8
98 49.1 40.4 60.6



#40
Benzene
Concen: 44.966 ug/l
RT: 4.61 min Scan# 403
Delta R.T. -0.03 min
Lab File: VF061760.D
Acq: 27 Feb 2019 00:44

Tgt Ion: 78 Resp: 492805
Ion Ratio Lower Upper
78 100
77 23.3 19.0 28.6





#41

Methacrylonitrile

Concen: 45.721 ug/l

RT: 4.73 min Scan# 415

Delta R.T. -0.03 min

Lab File: VF061760.D

Acq: 27 Feb 2019 00:44

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 45504

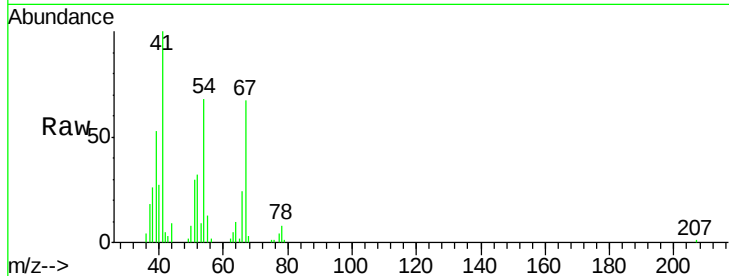
Ion Ratio Lower Upper

41 100

39 53.0 45.3 67.9

67 67.0 49.3 73.9

52 31.6 32.6 49.0#

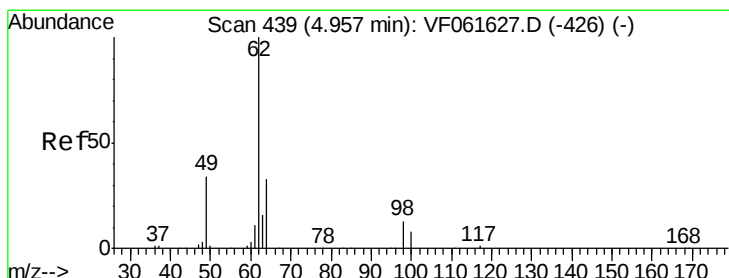
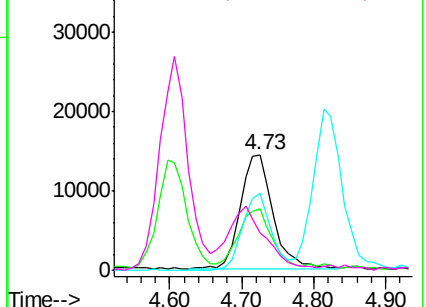
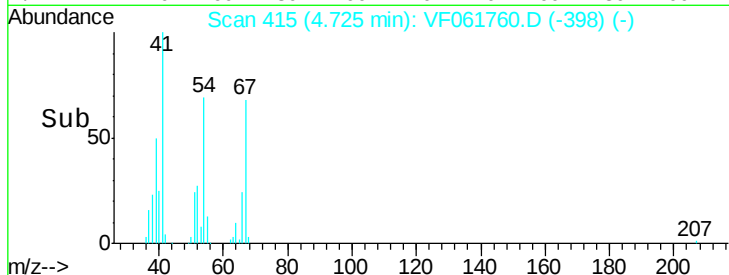


Abundance Ion 41.00 (40.70 to 41.70): VF0

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: 49.372 ug/l

RT: 4.91 min Scan# 434

Delta R.T. -0.04 min

Lab File: VF061760.D

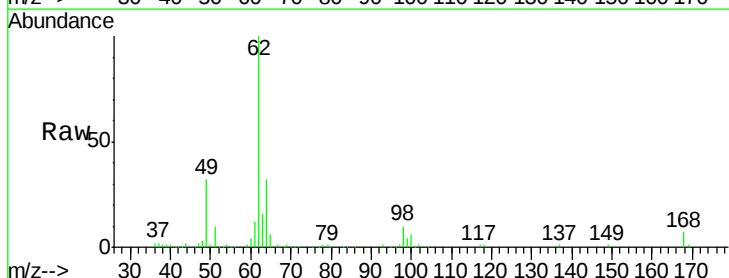
Acq: 27 Feb 2019 00:44

Tgt Ion: 62 Resp: 129434

Ion Ratio Lower Upper

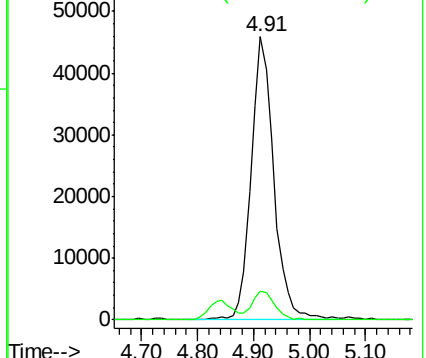
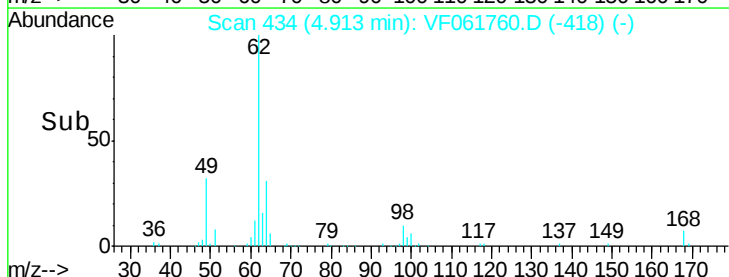
62 100

98 10.3 0.0 26.0



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



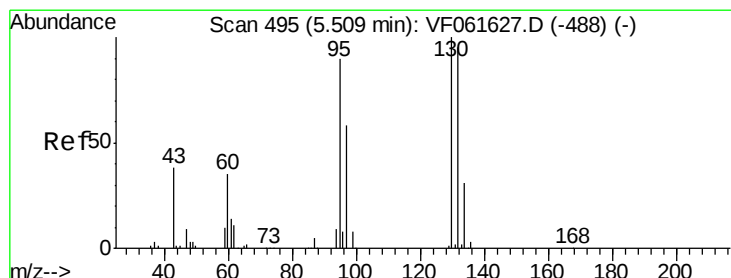
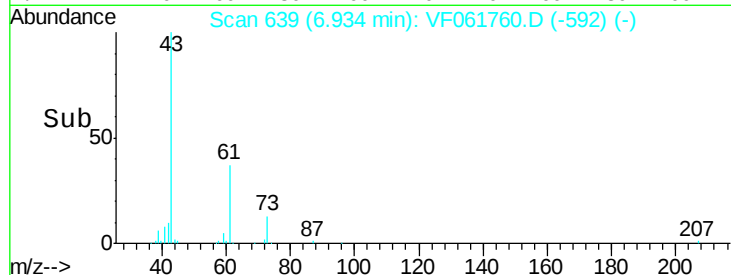
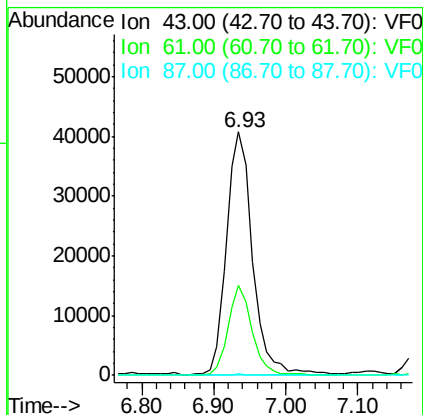
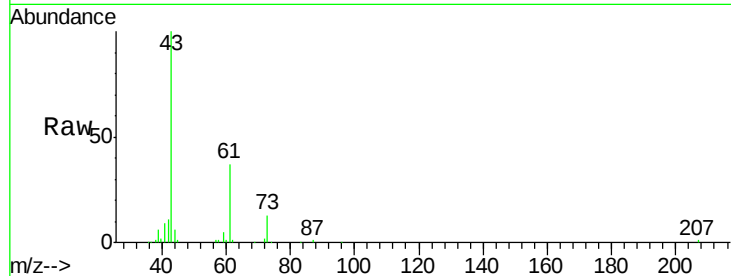


#43

Isopropyl Acetate
 Concen: 44.169 ug/l
 RT: 6.93 min Scan# 639
 Delta R.T. -0.03 min
 Lab File: VF061760.D
 Acq: 27 Feb 2019 00:44

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

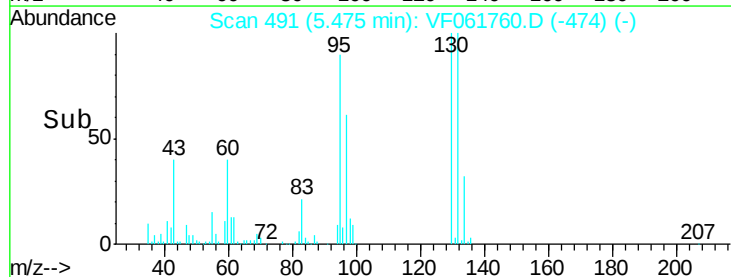
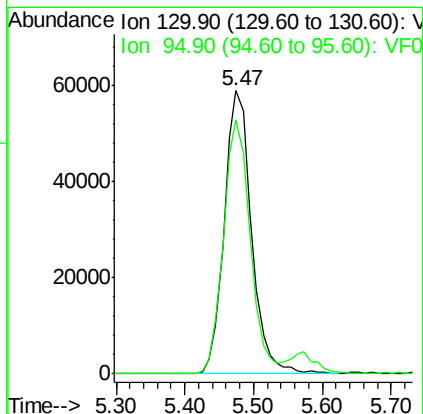
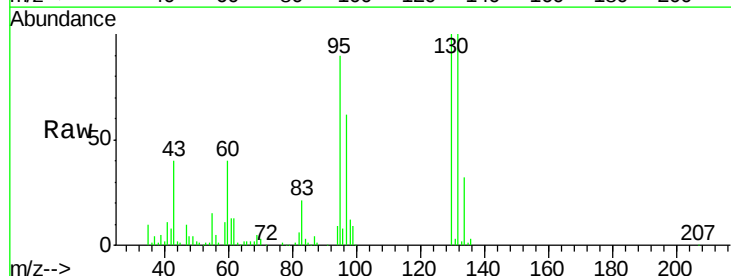
Tot Ion: 43 Resp: 101750
 Ion Ratio Lower Upper
 43 100
 61 37.0 25.8 38.6
 87 0.6 0.4 0.6

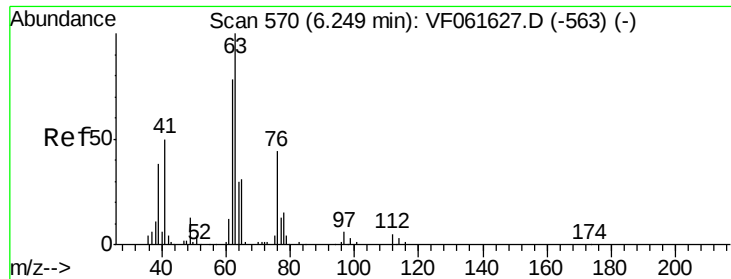


#44

Trichloroethene
 Concen: 45.558 ug/l
 RT: 5.47 min Scan# 491
 Delta R.T. -0.03 min
 Lab File: VF061760.D
 Acq: 27 Feb 2019 00:44

Tgt Ion: 130 Resp: 161461
 Ion Ratio Lower Upper
 130 100
 95 89.8 0.0 179.4





#45

1,2-Dichloropropane

Concen: 45.658 ug/l

RT: 6.21 min Scan# 566

Delta R.T. -0.03 min

Lab File: VF061760.D

Acq: 27 Feb 2019 00:44

Instrument :

MSVOA_F

ClientSampleId :

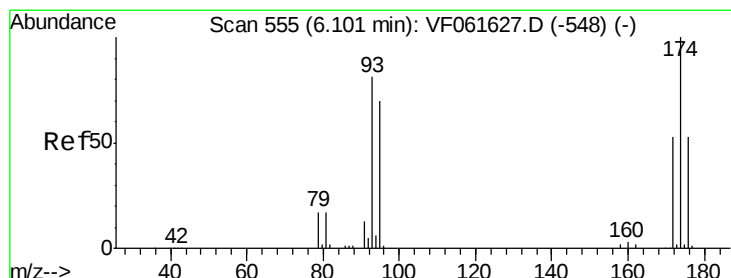
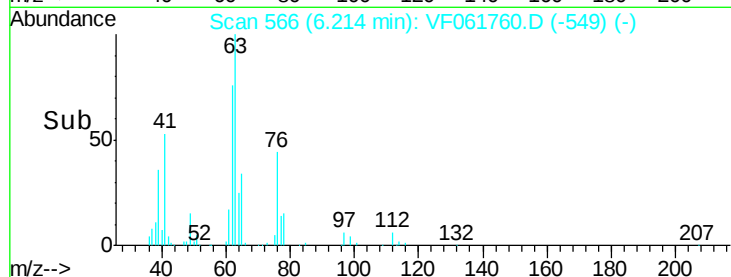
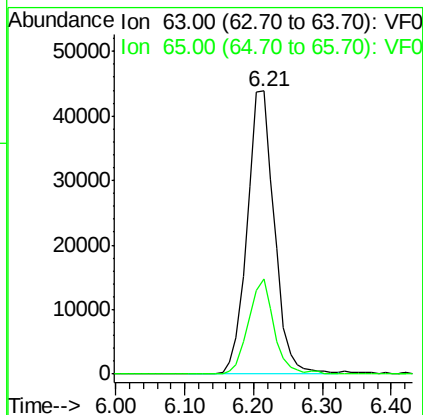
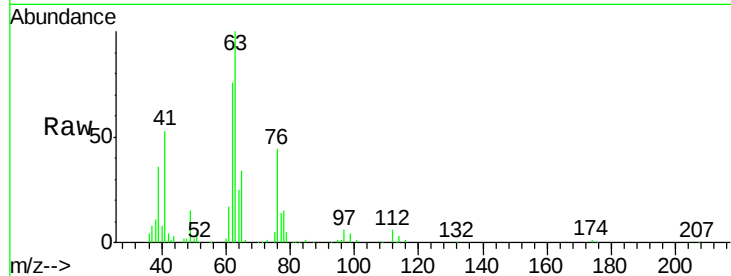
VSTDCCC050EC

Tot Ion: 63 Resp: 120953

Ion Ratio Lower Upper

63 100

65 33.6 24.9 37.3



#46

Dibromomethane

Concen: 48.093 ug/l

RT: 6.06 min Scan# 550

Delta R.T. -0.04 min

Lab File: VF061760.D

Acq: 27 Feb 2019 00:44

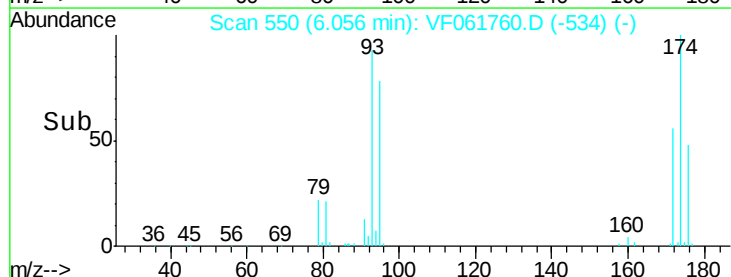
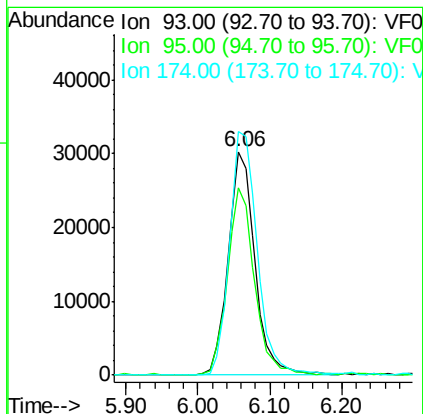
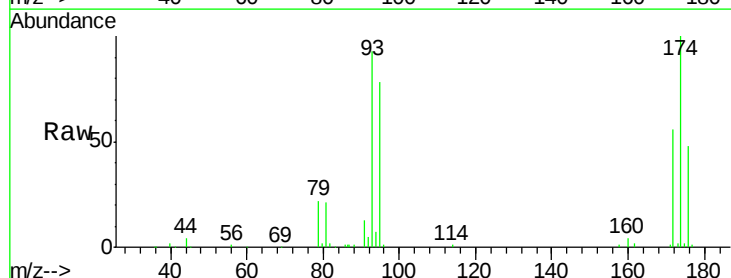
Tgt Ion: 93 Resp: 78444

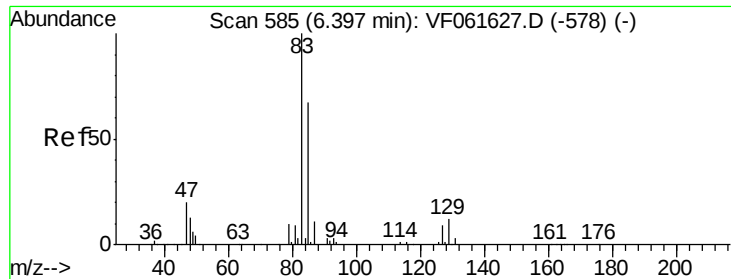
Ion Ratio Lower Upper

93 100

95 83.5 69.0 103.6

174 108.9 99.3 148.9





#47

Bromodichloromethane

Concen: 48.621 ug/l

RT: 6.36 min Scan# 581

Delta R.T. -0.03 min

Lab File: VF061760.D

Acq: 27 Feb 2019 00:44

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

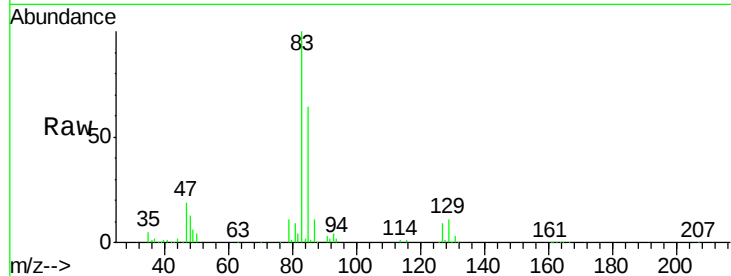
Tot Ion: 83 Resp: 173670

Ion Ratio Lower Upper

83 100

85 64.5 53.4 80.2

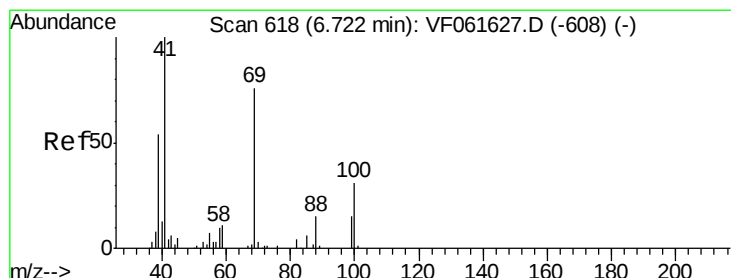
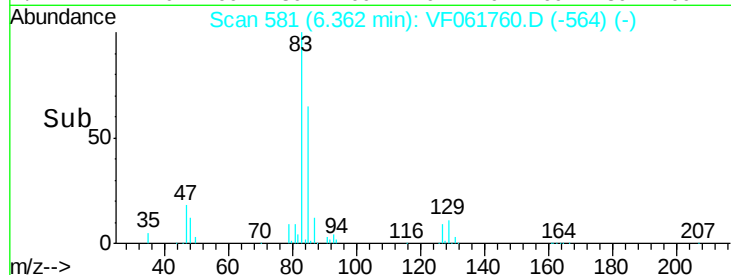
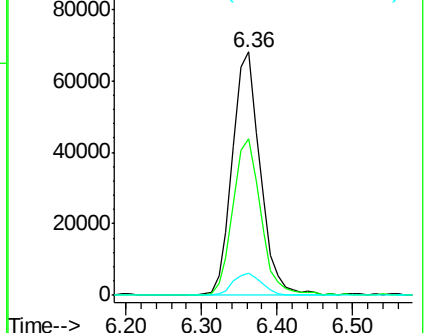
127 9.3 7.5 11.3



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: 46.827 ug/l

RT: 6.69 min Scan# 614

Delta R.T. -0.03 min

Lab File: VF061760.D

Acq: 27 Feb 2019 00:44

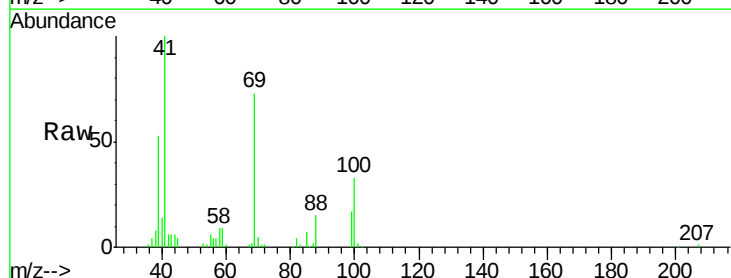
Tgt Ion: 41 Resp: 64916

Ion Ratio Lower Upper

41 100

69 73.0 60.4 90.6

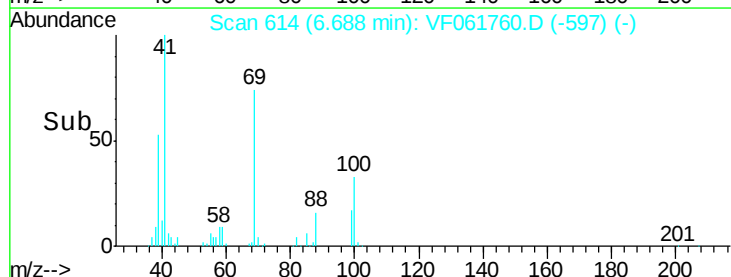
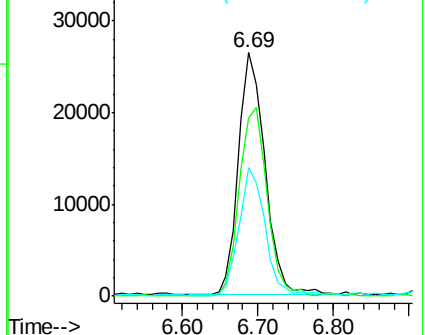
39 52.7 43.7 65.5

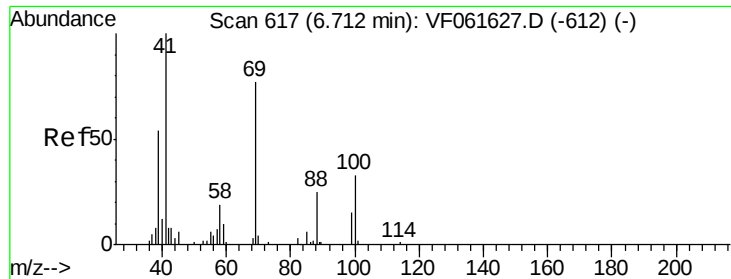


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 914.446 ug/l

RT: 6.68 min Scan# 613

Delta R.T. -0.03 min

Lab File: VF061760.D

Acq: 27 Feb 2019 00:44

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

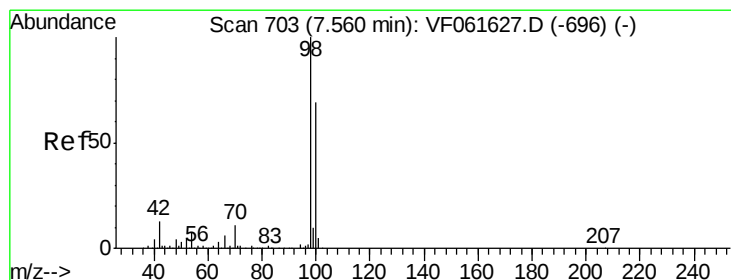
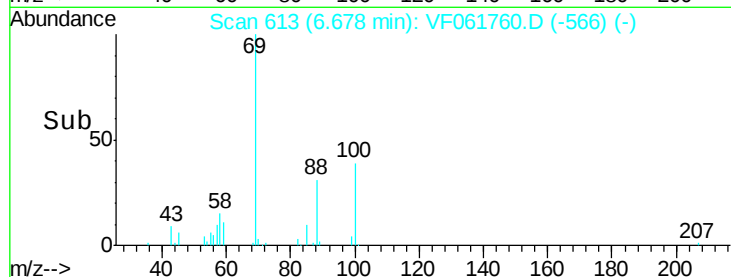
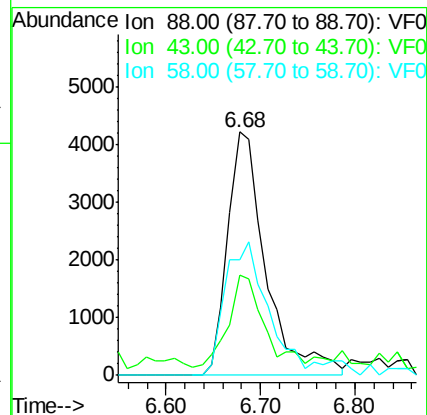
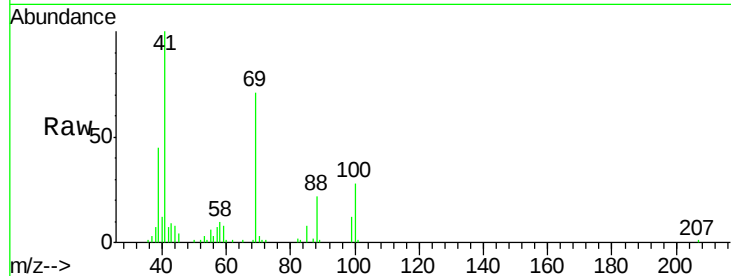
Tot Ion: 88 Resp: 11917

Ion Ratio Lower Upper

88 100

43 41.2 32.3 48.5

58 47.6 59.4 89.2#



#50

Toluene-d8

Concen: 50.318 ug/l

RT: 7.53 min Scan# 699

Delta R.T. -0.03 min

Lab File: VF061760.D

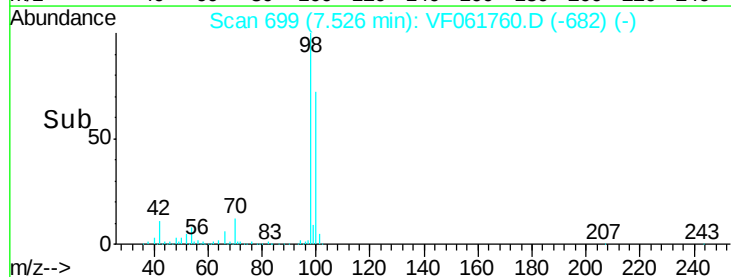
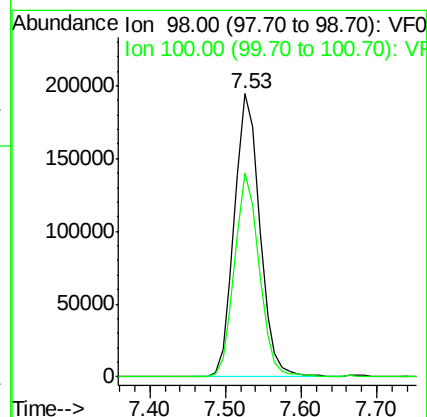
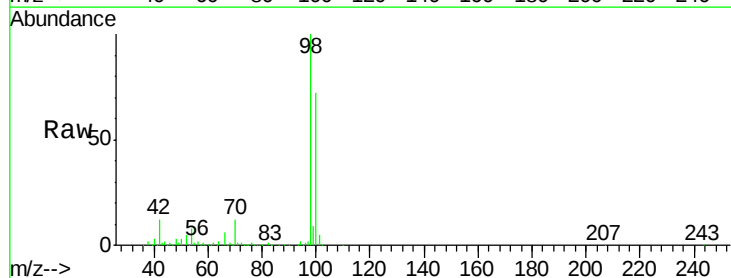
Acq: 27 Feb 2019 00:44

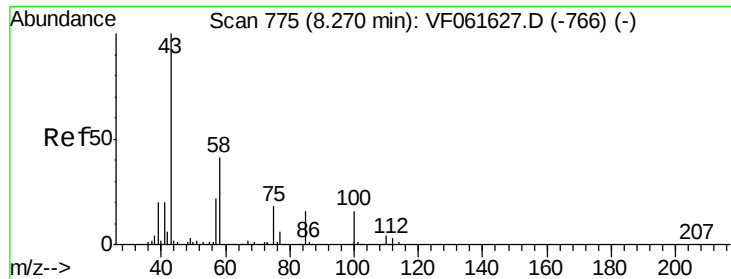
Tgt Ion: 98 Resp: 454343

Ion Ratio Lower Upper

98 100

100 72.1 55.4 83.2





#51

4-Methyl-2-Pentanone

Concen: 211.355 ug/l

RT: 8.24 min Scan# 771

Delta R.T. -0.03 min

Lab File: VF061760.D

Acq: 27 Feb 2019 00:44

Instrument :

MSVOA_F

ClientSampleId :

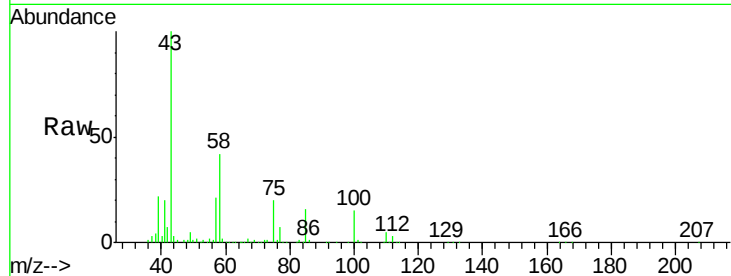
VSTDCCC050EC

Tot Ion: 43 Resp: 347895

Ion Ratio Lower Upper

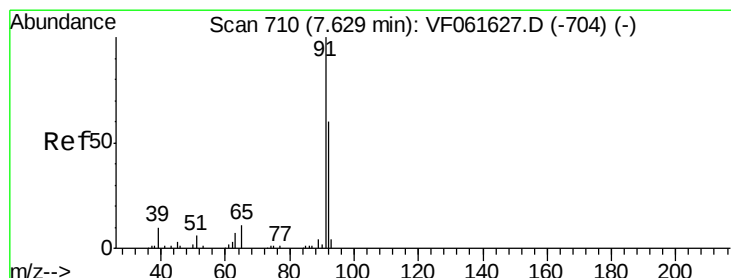
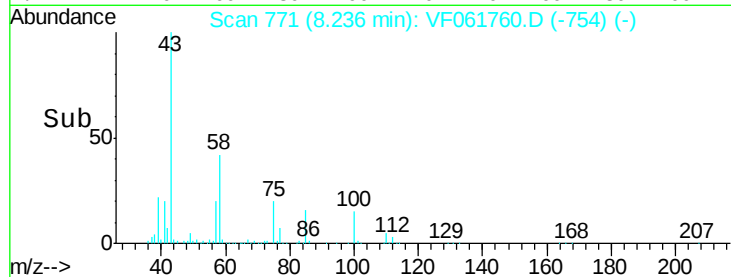
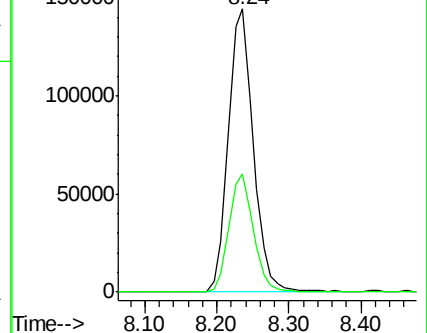
43 100

58 41.9 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: 44.458 ug/l

RT: 7.59 min Scan# 706

Delta R.T. -0.03 min

Lab File: VF061760.D

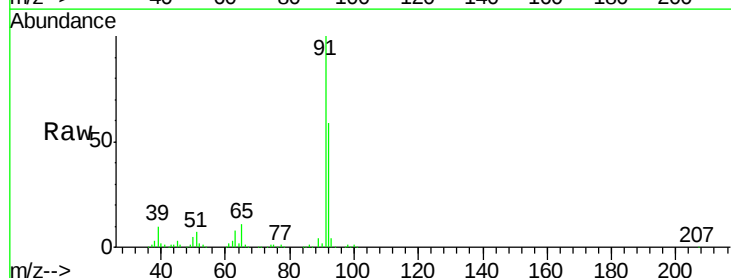
Acq: 27 Feb 2019 00:44

Tgt Ion: 92 Resp: 295507

Ion Ratio Lower Upper

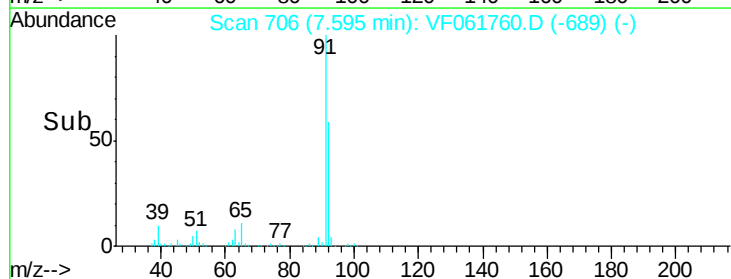
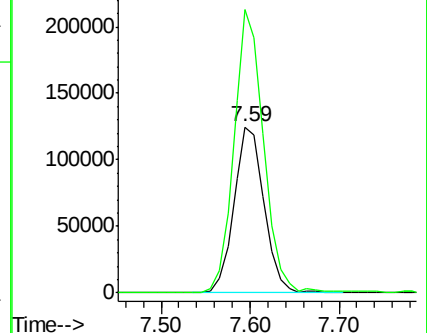
92 100

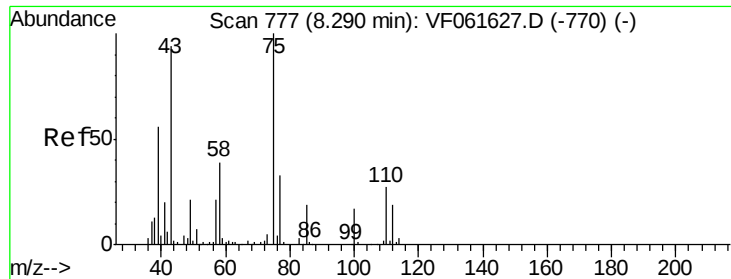
91 170.8 133.9 200.9



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

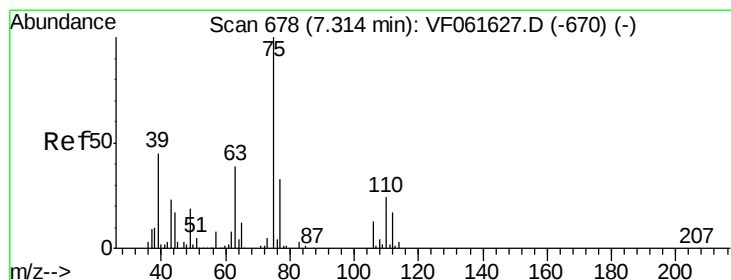
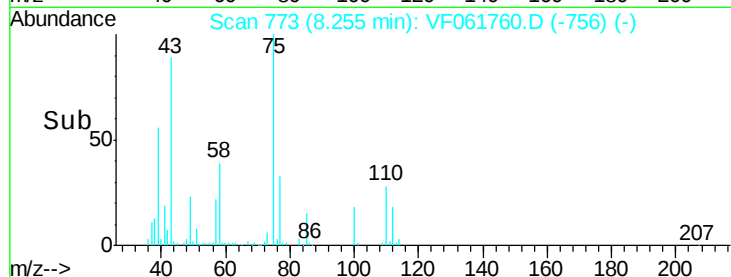
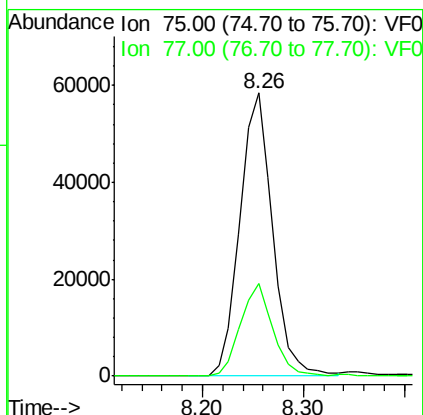
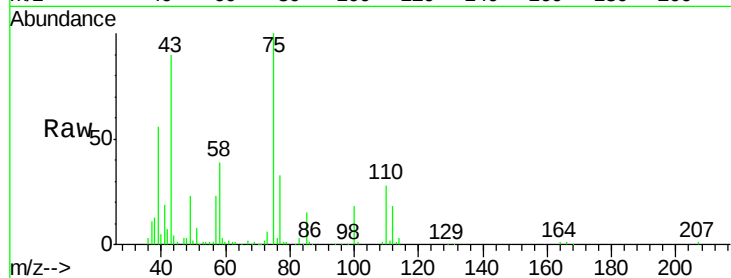




#53
t-1,3-Dichloropropene
Concen: 44.508 ug/l
RT: 8.26 min Scan# 773
Delta R.T. -0.03 min
Lab File: VF061760.D
Acq: 27 Feb 2019 00:44

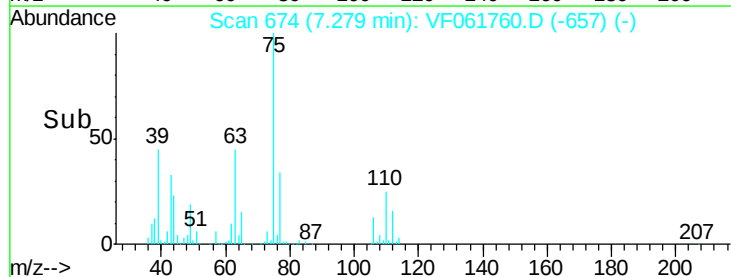
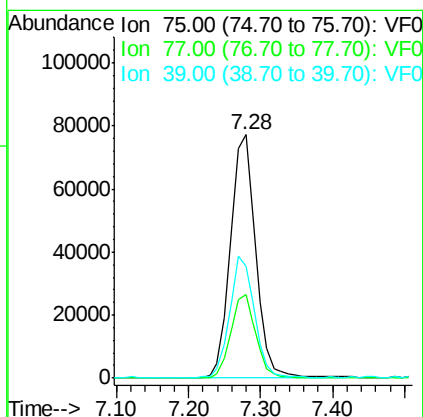
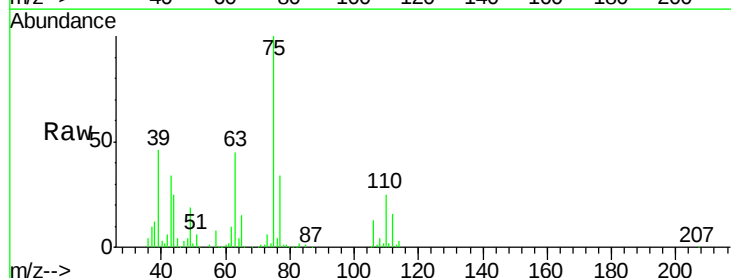
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

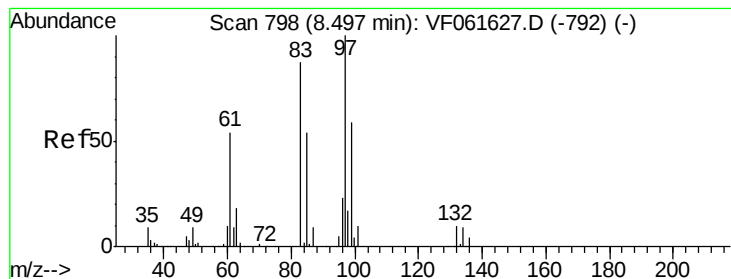
Tot Ion: 75 Resp: 132313
Ion Ratio Lower Upper
75 100
77 32.7 26.2 39.2



#54
cis-1,3-Dichloropropene
Concen: 47.902 ug/l
RT: 7.28 min Scan# 674
Delta R.T. -0.03 min
Lab File: VF061760.D
Acq: 27 Feb 2019 00:44

Tgt Ion: 75 Resp: 189679
Ion Ratio Lower Upper
75 100
77 34.1 26.4 39.6
39 45.8 36.0 54.0





#55

1,1,2-Trichloroethane

Concen: 47.452 ug/l

RT: 8.46 min Scan# 794

Delta R.T. -0.03 min

Lab File: VF061760.D

Acq: 27 Feb 2019 00:44

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 92669

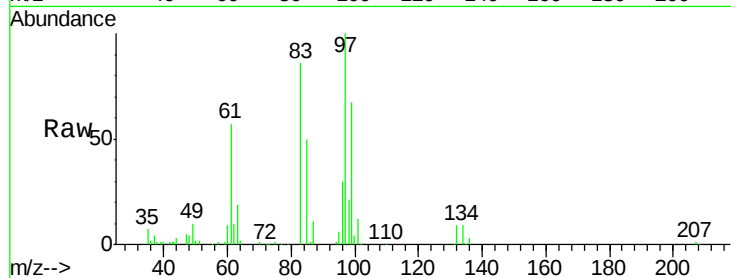
Ion Ratio Lower Upper

97 100

83 86.4 69.2 103.8

85 49.8 43.0 64.4

99 66.7 47.2 70.8

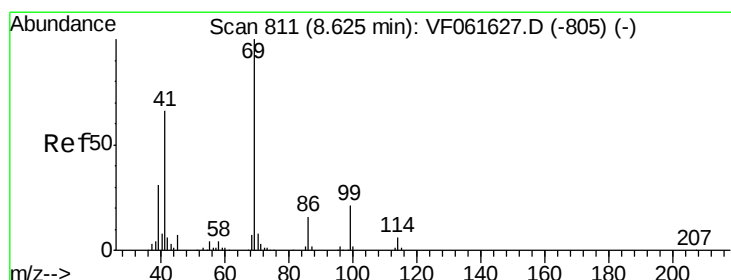
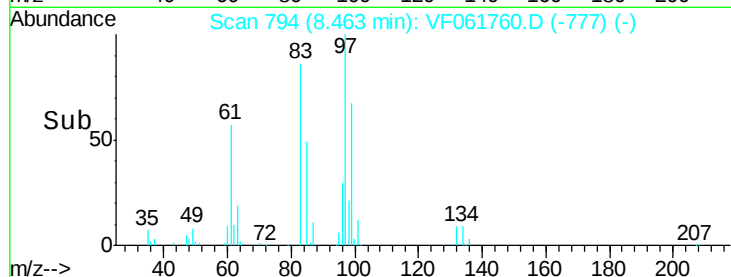
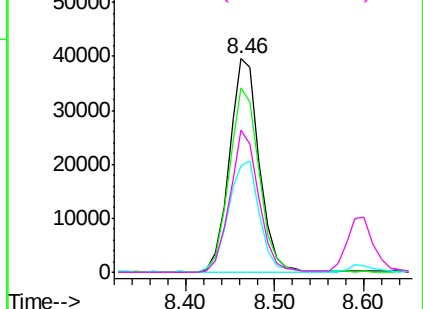


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 47.596 ug/l

RT: 8.59 min Scan# 807

Delta R.T. -0.03 min

Lab File: VF061760.D

Acq: 27 Feb 2019 00:44

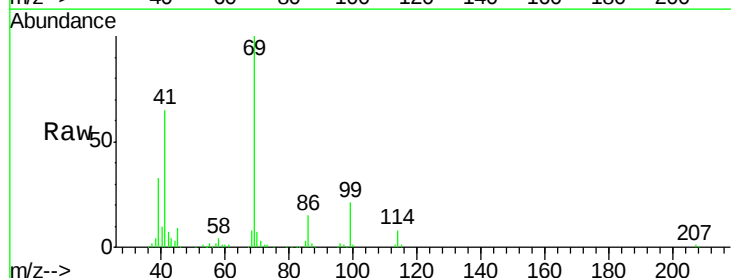
Tgt Ion: 69 Resp: 103486

Ion Ratio Lower Upper

69 100

41 65.5 52.9 79.3

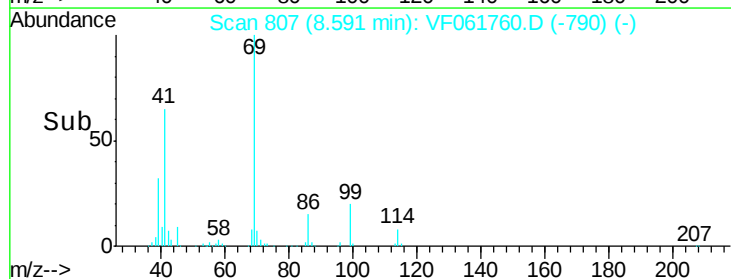
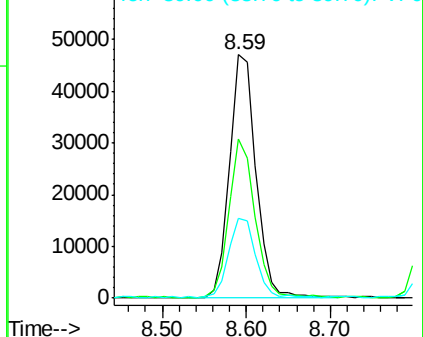
39 32.8 24.5 36.7

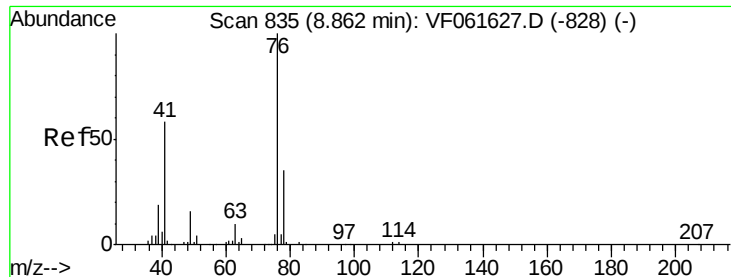


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 48.240 ug/l

RT: 8.83 min Scan# 831

Delta R.T. -0.03 min

Lab File: VF061760.D

Acq: 27 Feb 2019 00:44

Instrument :

MSVOA_F

ClientSampleId :

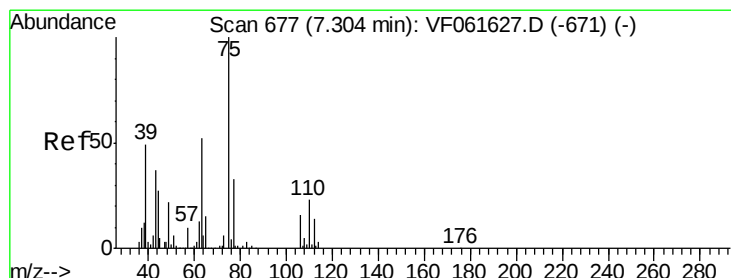
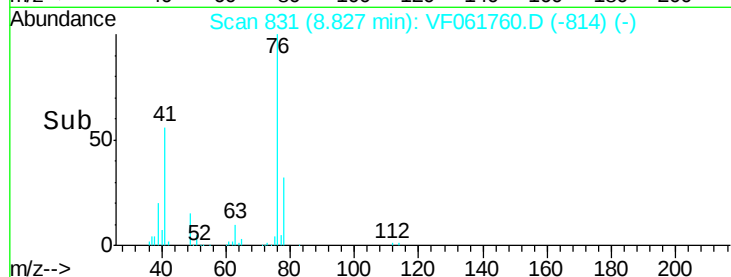
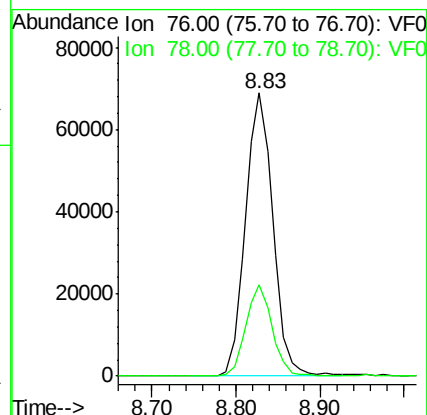
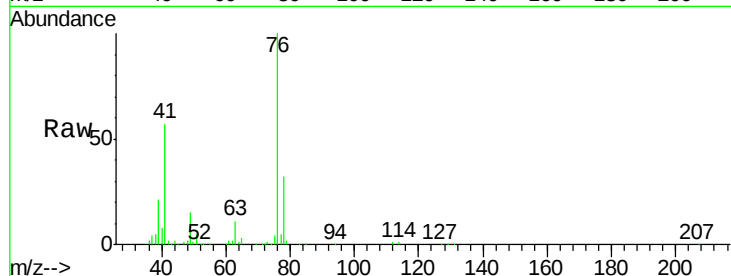
VSTDCCC050EC

Tot Ion: 76 Resp: 157245

Ion Ratio Lower Upper

76 100

78 32.2 27.8 41.6



#58

2-Chloroethyl Vinyl ether

Concen: 257.532 ug/l

RT: 7.27 min Scan# 673

Delta R.T. -0.03 min

Lab File: VF061760.D

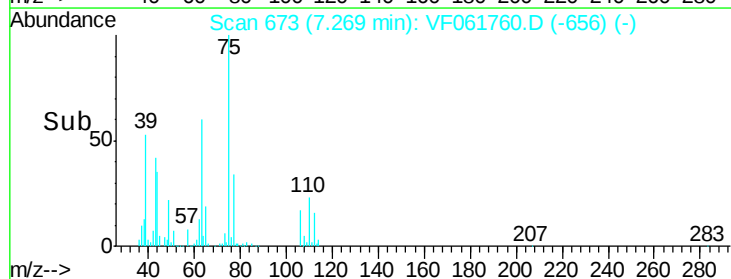
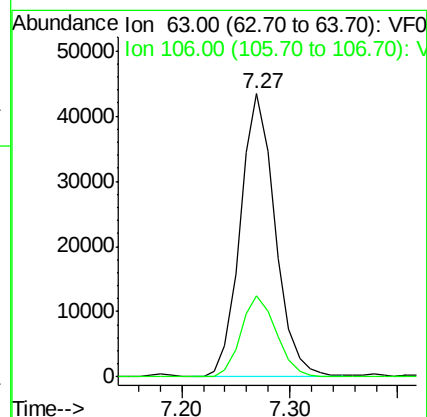
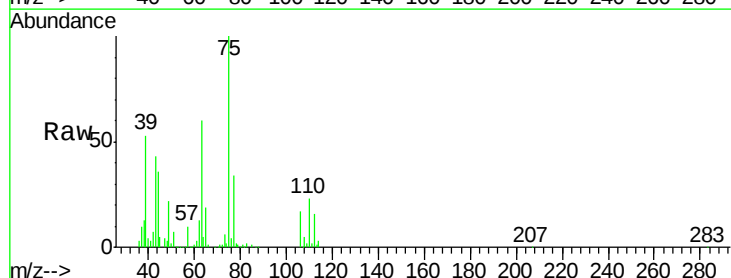
Acq: 27 Feb 2019 00:44

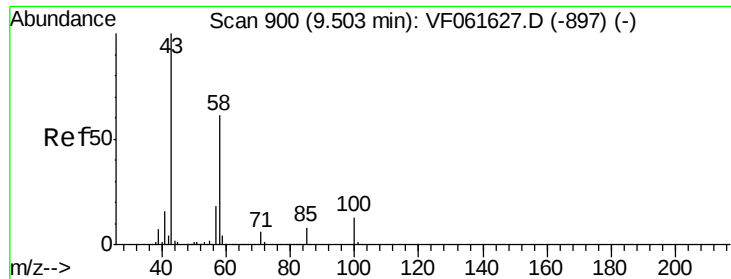
Tgt Ion: 63 Resp: 96611

Ion Ratio Lower Upper

63 100

106 28.6 24.6 36.8

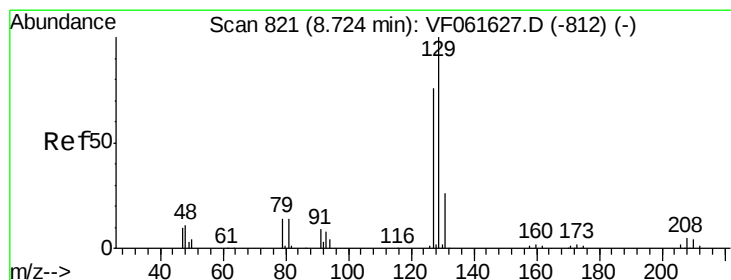
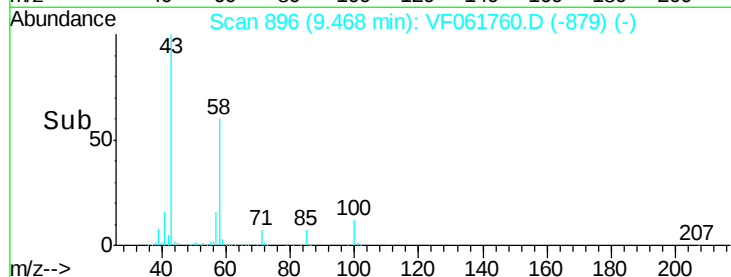
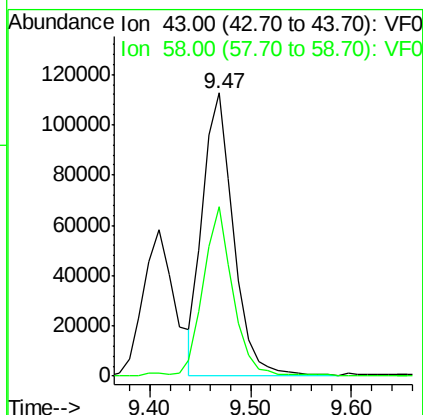
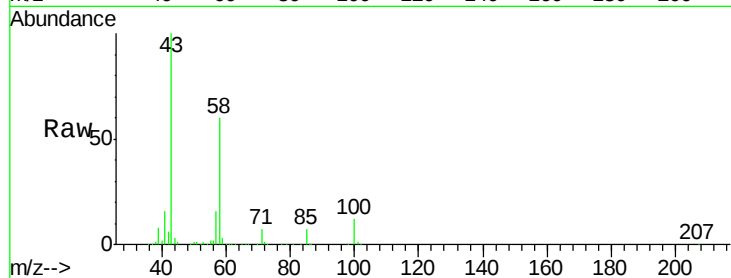




#59
2-Hexanone
Concen: 205.819 ug/l
RT: 9.47 min Scan# 896
Delta R.T. -0.03 min
Lab File: VF061760.D
Acq: 27 Feb 2019 00:44

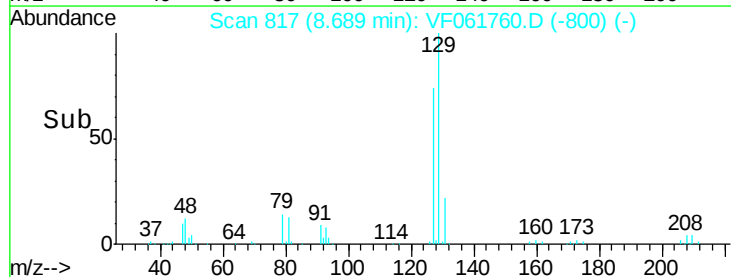
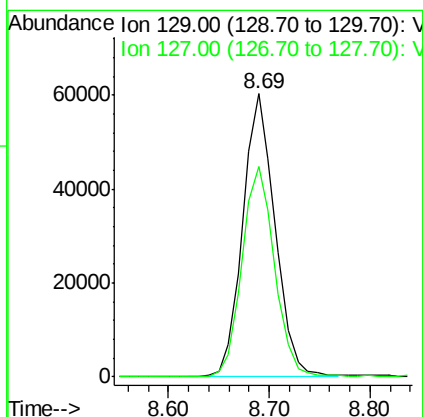
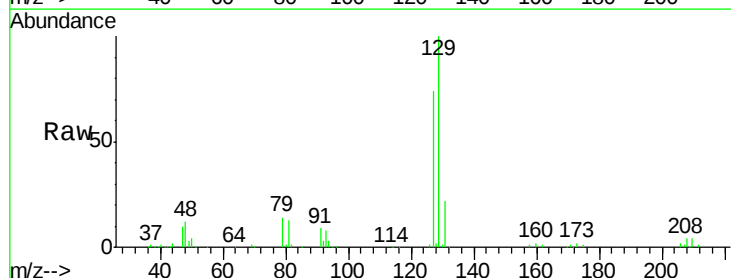
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

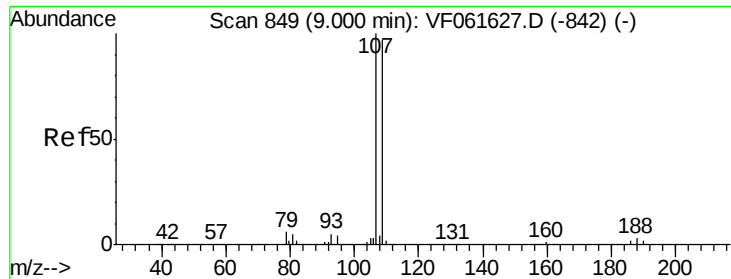
Tot Ion: 43 Resp: 237477
Ion Ratio Lower Upper
43 100
58 60.1 28.5 85.5



#60
Dibromochloromethane
Concen: 49.361 ug/l
RT: 8.69 min Scan# 817
Delta R.T. -0.03 min
Lab File: VF061760.D
Acq: 27 Feb 2019 00:44

Tgt Ion: 129 Resp: 134172
Ion Ratio Lower Upper
129 100
127 74.3 37.8 113.4





#61

1,2-Dibromoethane

Concen: 45.366 ug/l

RT: 8.96 min Scan# 844

Delta R.T. -0.04 min

Lab File: VF061760.D

Acq: 27 Feb 2019 00:44

Instrument :

MSVOA_F

ClientSampleId :

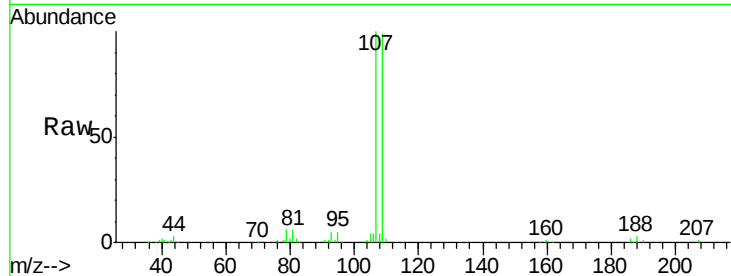
VSTDCCC050EC

Tot Ion:107 Resp: 96094

Ion Ratio Lower Upper

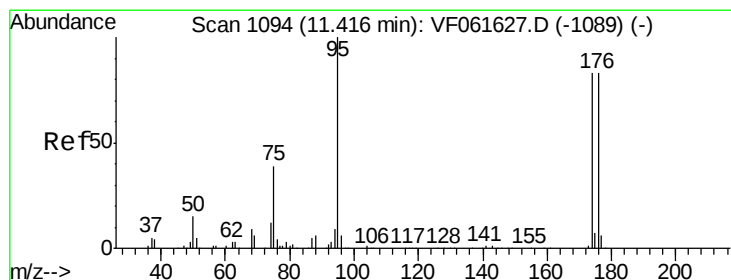
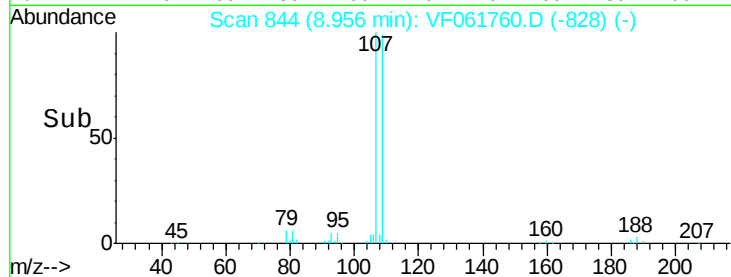
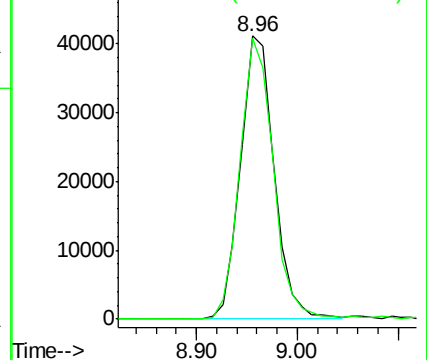
107 100

109 99.0 77.4 116.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 50.760 ug/l

RT: 11.39 min Scan# 1091

Delta R.T. -0.02 min

Lab File: VF061760.D

Acq: 27 Feb 2019 00:44

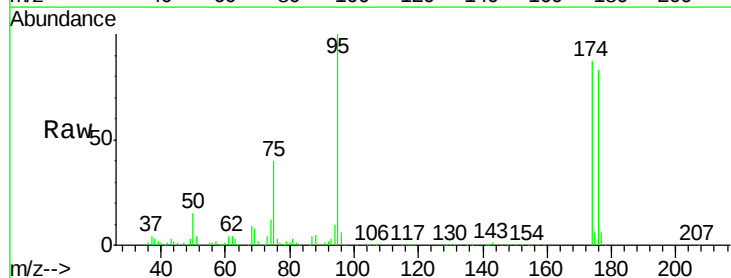
Tgt Ion: 95 Resp: 185450

Ion Ratio Lower Upper

95 100

174 87.1 0.0 165.8

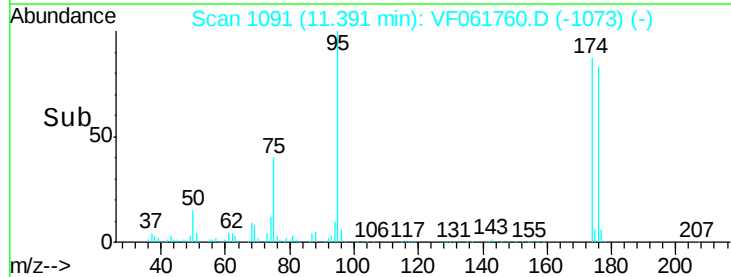
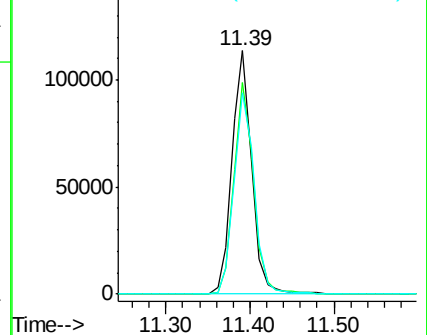
176 82.5 0.0 167.0

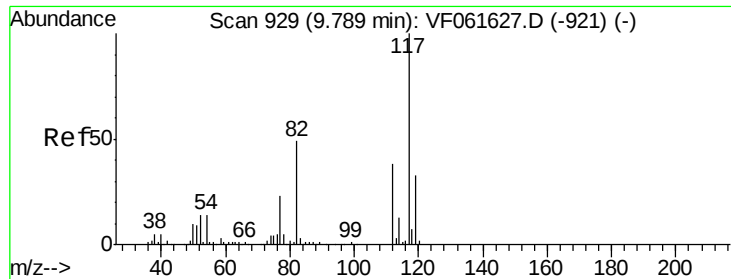


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

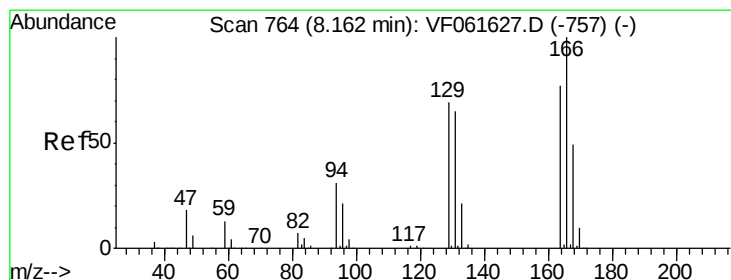
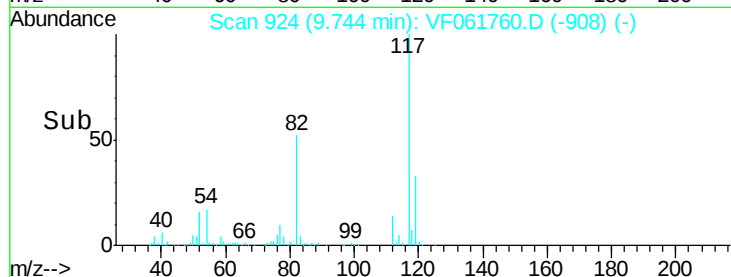
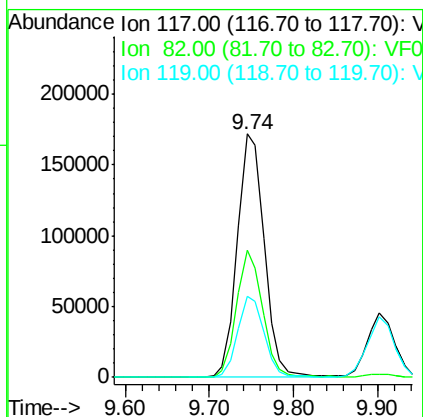
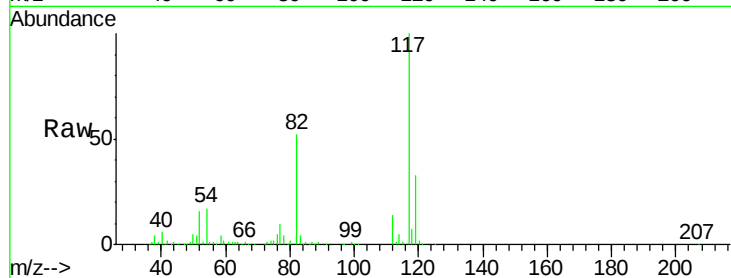




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.74 min Scan# 924
Delta R.T. -0.04 min
Lab File: VF061760.D
Acq: 27 Feb 2019 00:44

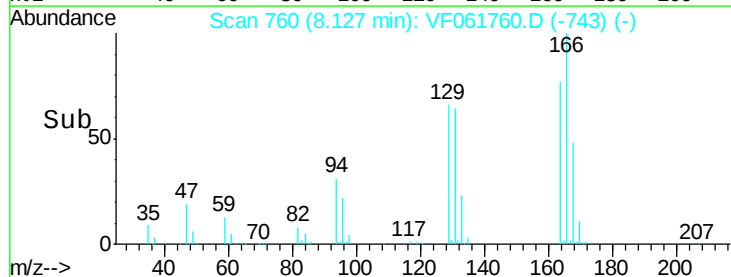
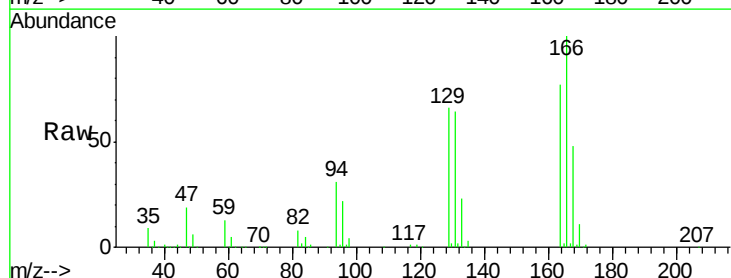
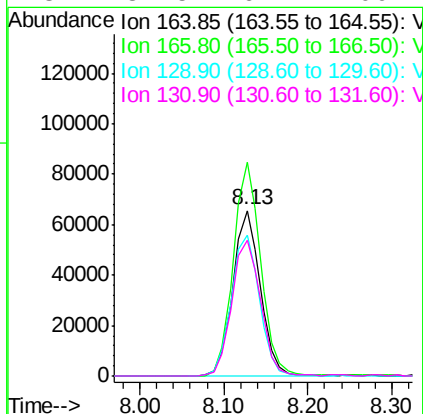
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

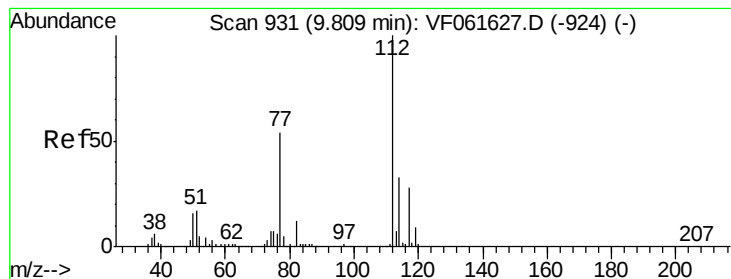
Tot Ion:117 Resp: 386212
Ion Ratio Lower Upper
117 100
82 52.1 39.3 58.9
119 33.4 26.6 40.0



#64
Tetrachloroethene
Concen: 47.192 ug/l
RT: 8.13 min Scan# 760
Delta R.T. -0.03 min
Lab File: VF061760.D
Acq: 27 Feb 2019 00:44

Tgt Ion:164 Resp: 148977
Ion Ratio Lower Upper
164 100
166 129.4 103.9 155.9
129 85.1 71.3 106.9
131 82.5 67.1 100.7





#65

Chlorobenzene

Concen: 45.999 ug/l

RT: 9.77 min Scan# 927

Delta R.T. -0.03 min

Lab File: VF061760.D

Acq: 27 Feb 2019 00:44

Instrument :

MSVOA_F

ClientSampleId :

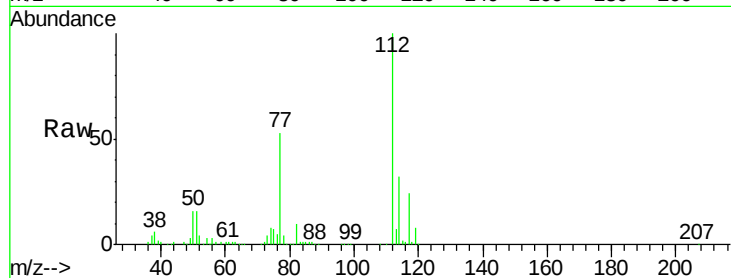
VSTDCCC050EC

Tot Ion:112 Resp: 360500

Ion Ratio Lower Upper

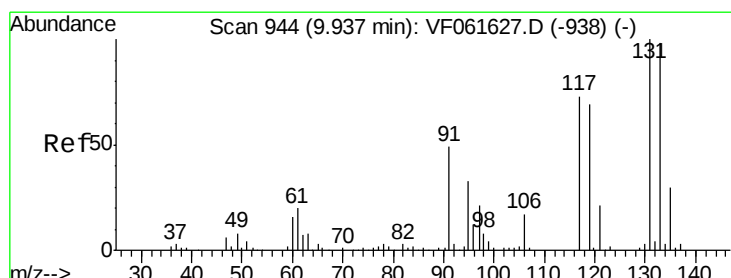
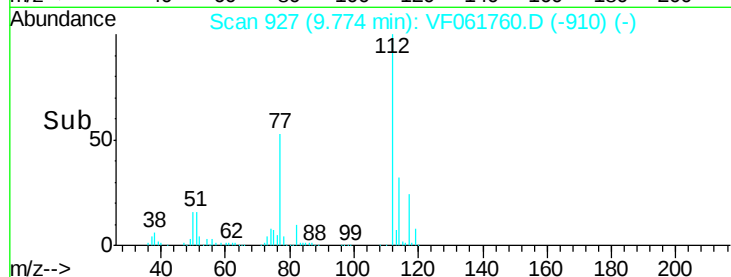
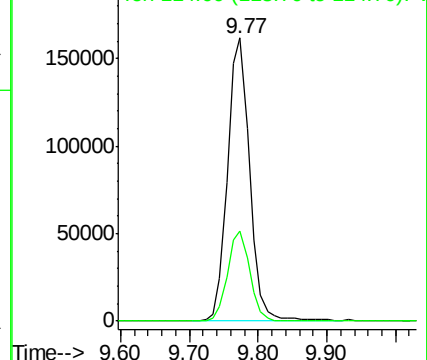
112 100

114 31.7 26.2 39.2



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 44.721 ug/l

RT: 9.90 min Scan# 940

Delta R.T. -0.03 min

Lab File: VF061760.D

Acq: 27 Feb 2019 00:44

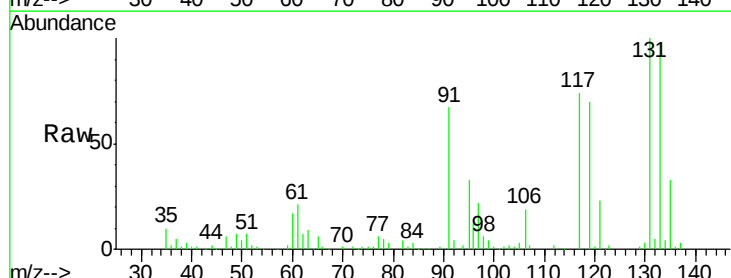
Tgt Ion:131 Resp: 137336

Ion Ratio Lower Upper

131 100

133 98.2 48.9 146.6

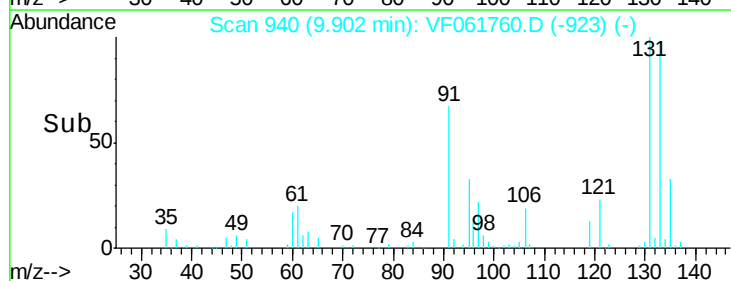
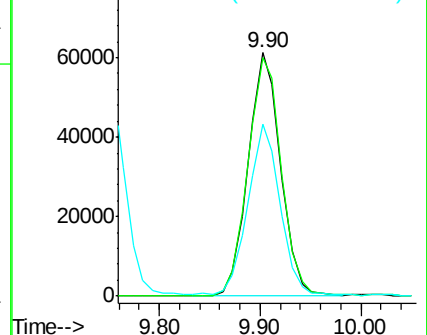
119 70.5 34.8 104.3

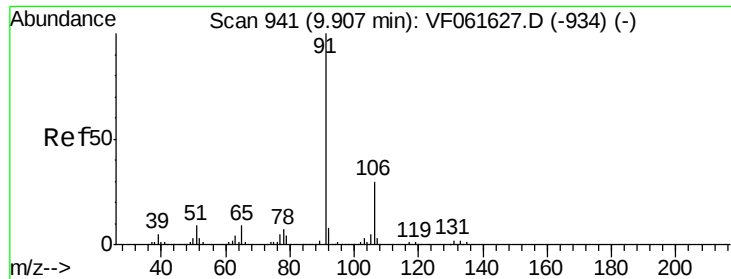


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

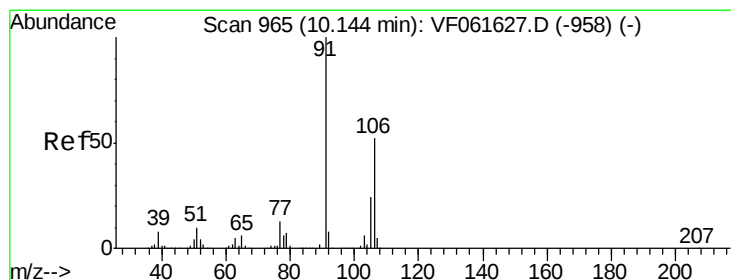
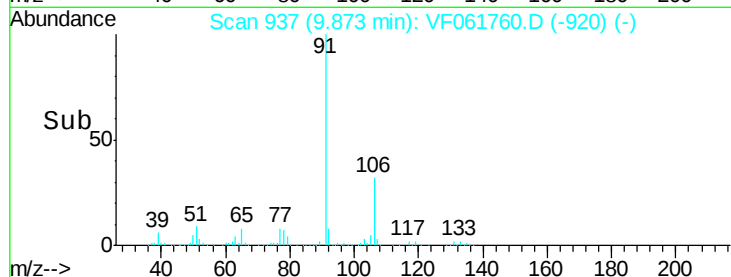
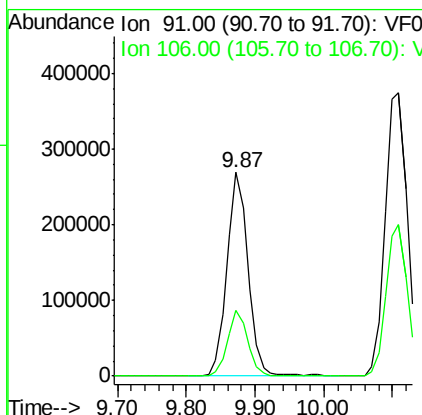
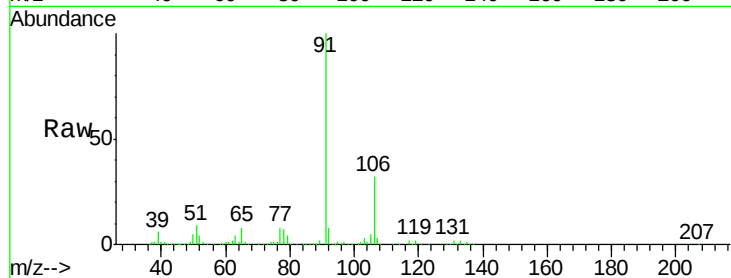




#67
Ethyl Benzene
Concen: 43.834 ug/l
RT: 9.87 min Scan# 937
Delta R.T. -0.03 min
Lab File: VF061760.D
Acq: 27 Feb 2019 00:44

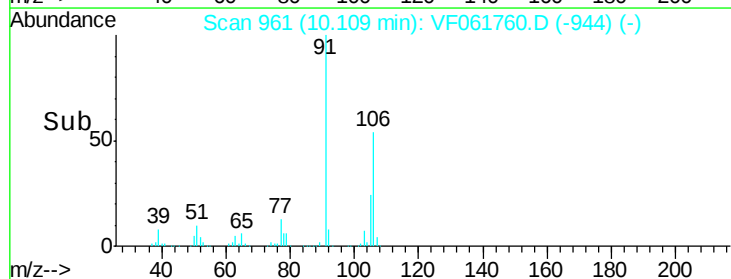
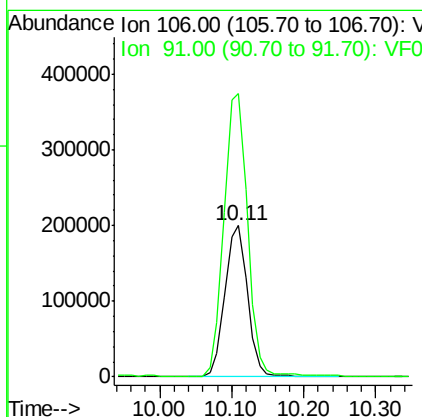
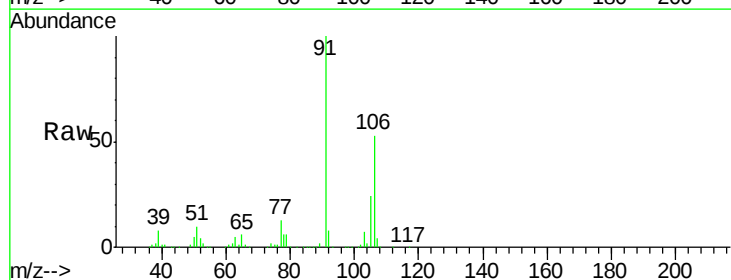
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

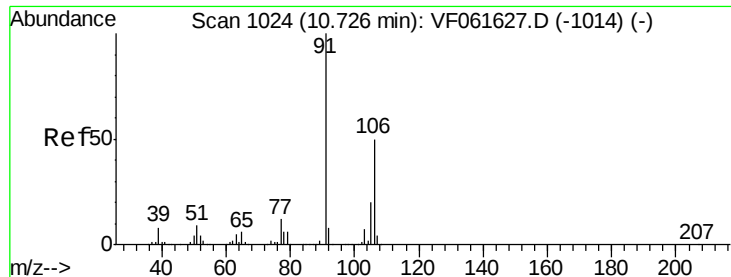
Tot Ion: 91 Resp: 571285
Ion Ratio Lower Upper
91 100
106 32.3 24.1 36.1



#68
m/p-Xylenes
Concen: 87.622 ug/l
RT: 10.11 min Scan# 961
Delta R.T. -0.03 min
Lab File: VF061760.D
Acq: 27 Feb 2019 00:44

Tgt Ion: 106 Resp: 437054
Ion Ratio Lower Upper
106 100
91 187.0 153.0 229.6

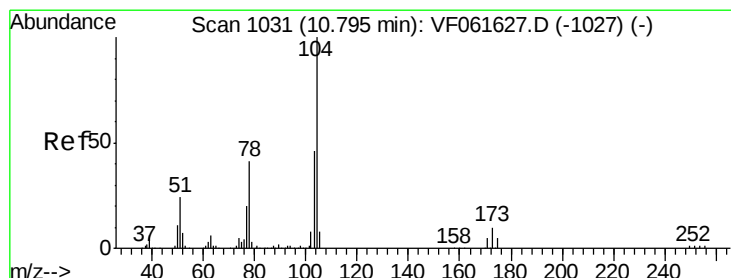
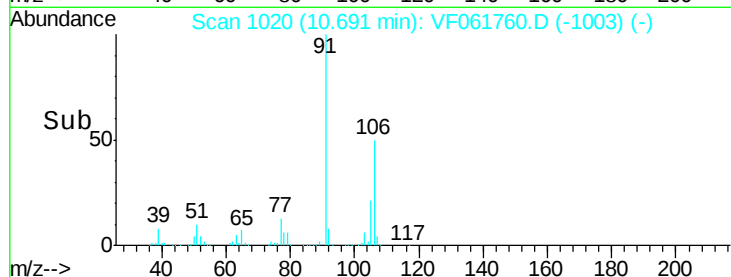
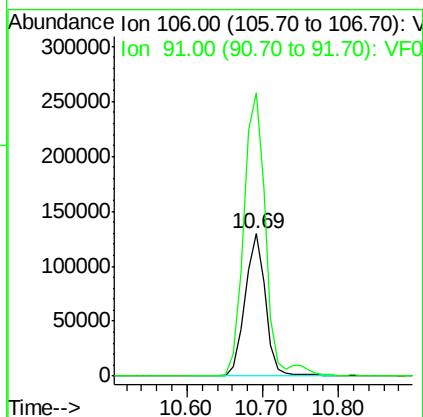
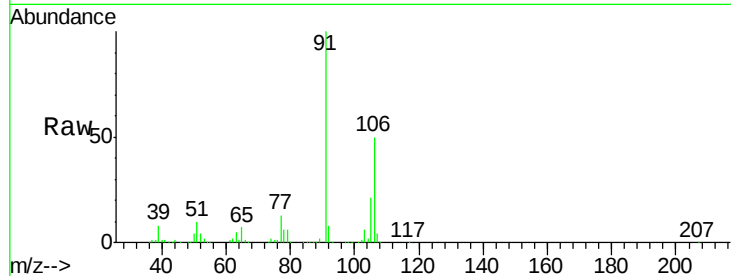




#69
o-Xylene
Concen: 45.551 ug/l
RT: 10.69 min Scan# 1020
Delta R.T. -0.03 min
Lab File: VF061760.D
Acq: 27 Feb 2019 00:44

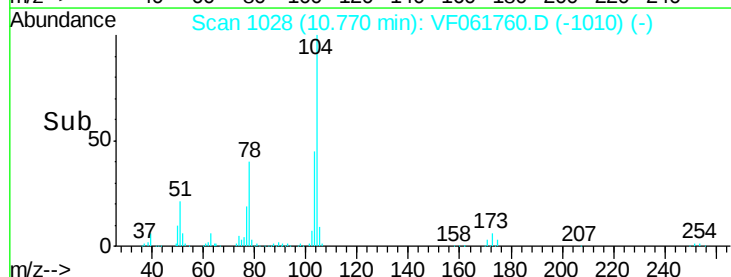
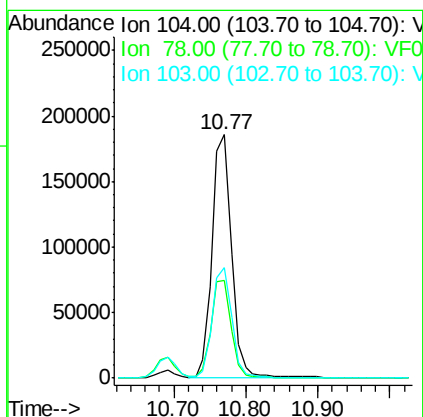
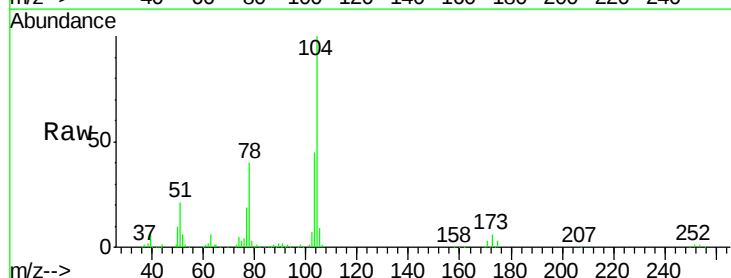
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

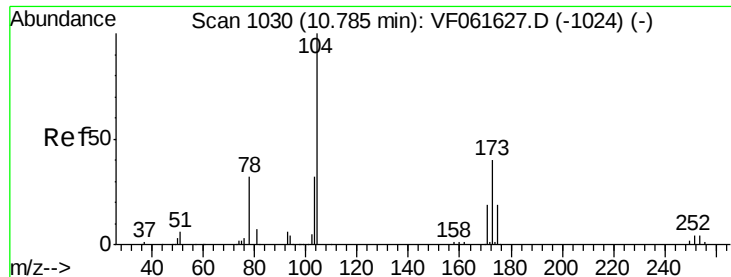
Tot Ion:106 Resp: 242440
Ion Ratio Lower Upper
106 100
91 198.7 100.1 300.1



#70
Styrene
Concen: 45.894 ug/l
RT: 10.77 min Scan# 1028
Delta R.T. -0.02 min
Lab File: VF061760.D
Acq: 27 Feb 2019 00:44

Tgt Ion:104 Resp: 345558
Ion Ratio Lower Upper
104 100
78 40.0 33.2 49.8
103 45.2 37.2 55.8





#71

Bromoform

Concen: 44.908 ug/l

RT: 10.75 min Scan# 1026

Delta R.T. -0.03 min

Lab File: VF061760.D

Acq: 27 Feb 2019 00:44

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

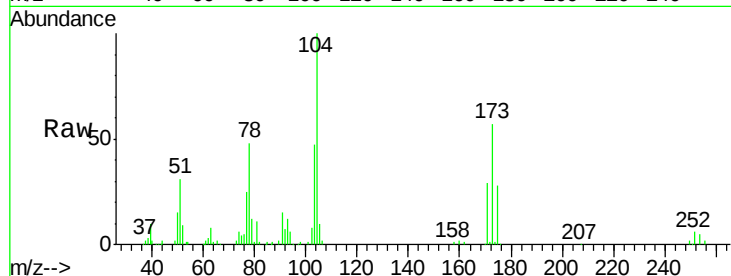
Tot Ion:173 Resp: 74888

Ion Ratio Lower Upper

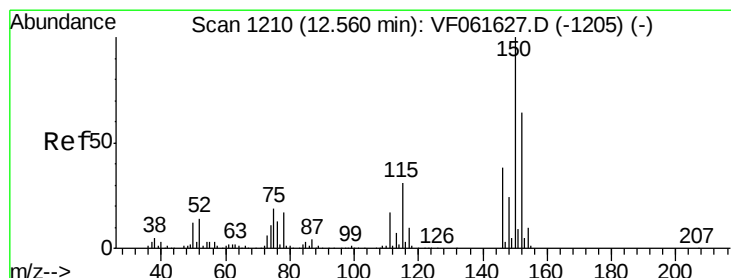
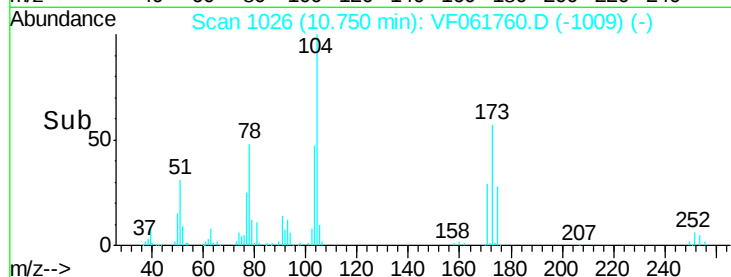
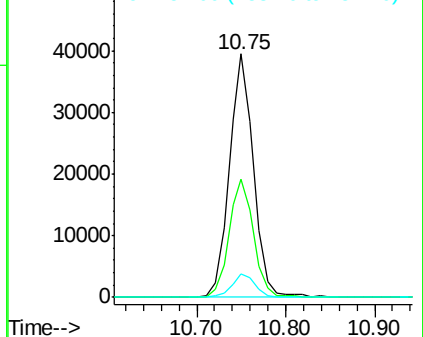
173 100

175 48.5 24.0 72.0

254 9.5 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: 12.54 min Scan# 1207

Delta R.T. -0.02 min

Lab File: VF061760.D

Acq: 27 Feb 2019 00:44

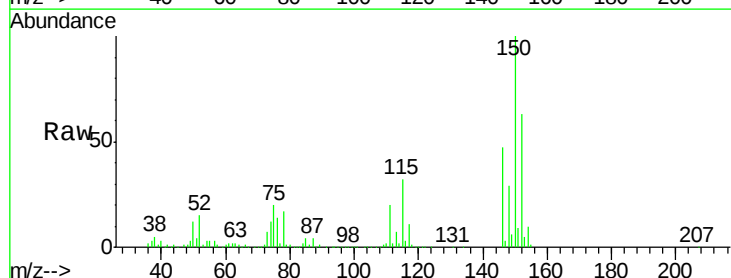
Tgt Ion:152 Resp: 205686

Ion Ratio Lower Upper

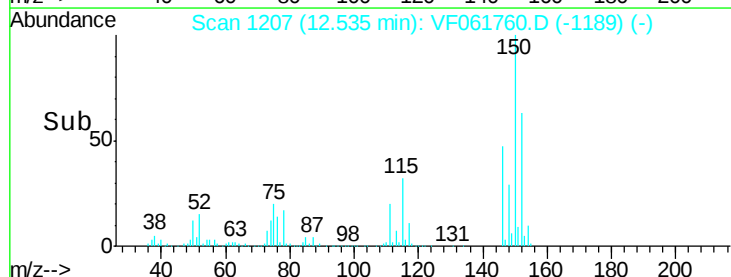
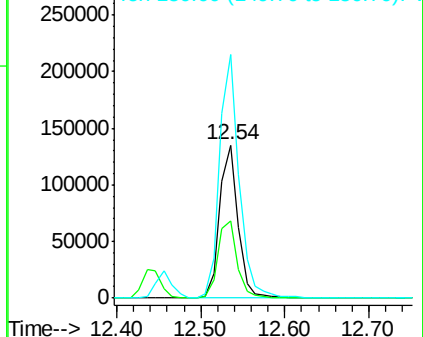
152 100

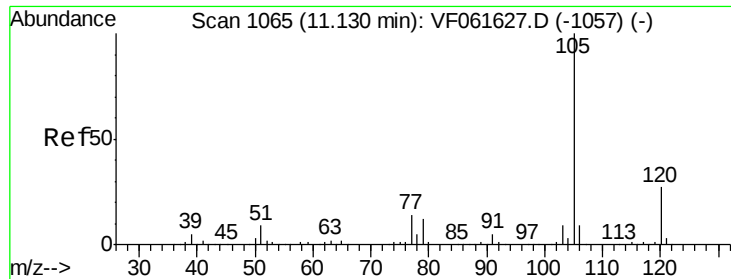
115 50.1 24.3 72.8

150 158.9 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: 45.524 ug/l

RT: 11.11 min Scan# 1062

Delta R.T. -0.02 min

Lab File: VF061760.D

Acq: 27 Feb 2019 00:44

Instrument :

MSVOA_F

ClientSampleId :

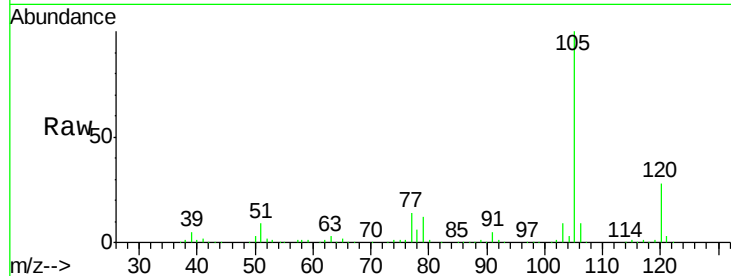
VSTDCCC050EC

Tot Ion:105 Resp: 666675

Ion Ratio Lower Upper

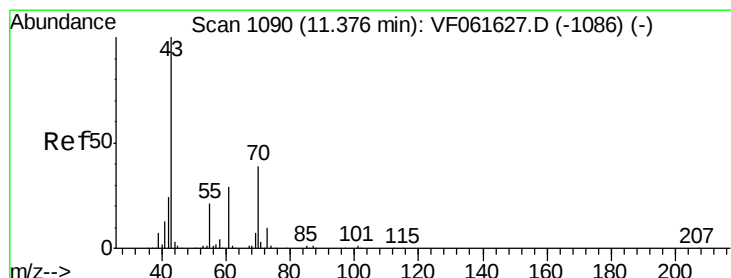
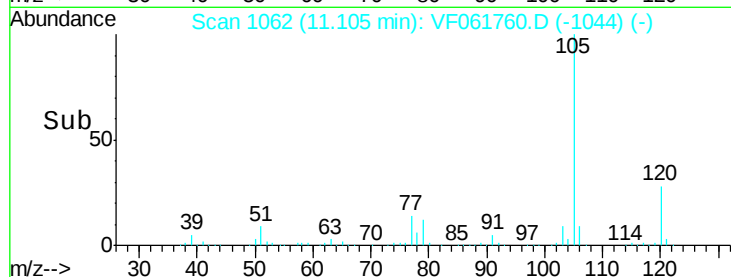
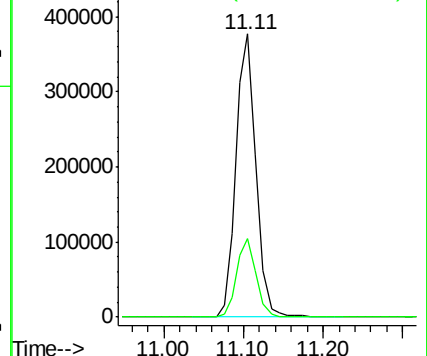
105 100

120 27.8 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 43.737 ug/l

RT: 11.35 min Scan# 1087

Delta R.T. -0.02 min

Lab File: VF061760.D

Acq: 27 Feb 2019 00:44

Tgt Ion: 43 Resp: 153737

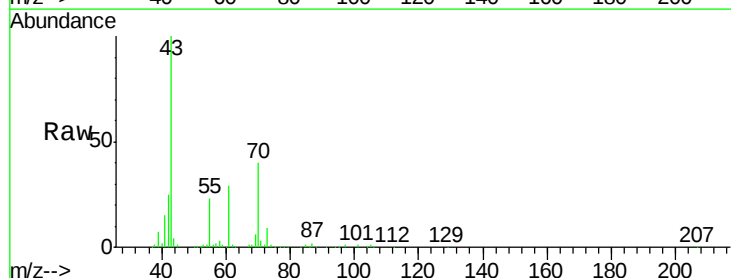
Ion Ratio Lower Upper

43 100

70 39.6 31.5 47.3

55 22.5 16.7 25.1

61 29.1 23.0 34.6

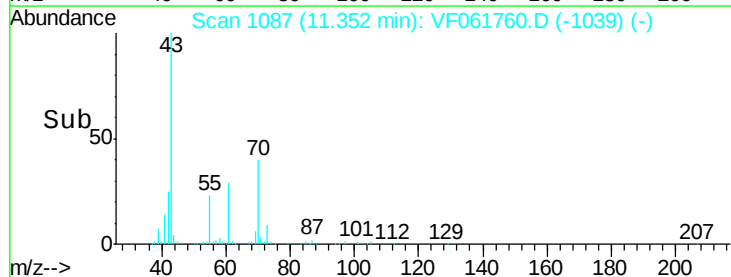
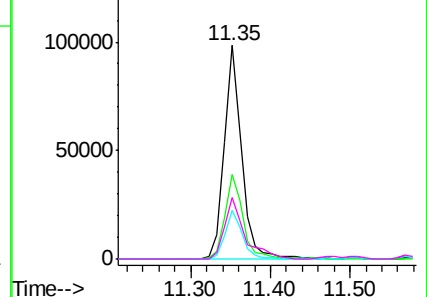


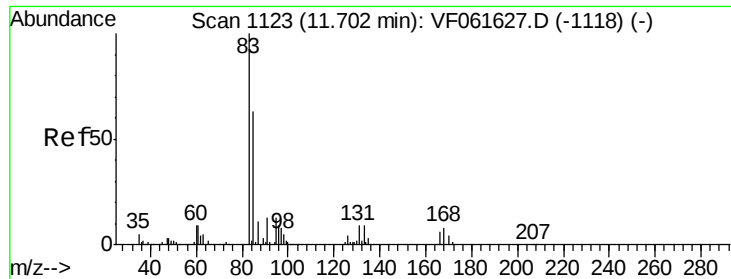
Abundance Ion 43.00 (42.70 to 43.70): VF0

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





#75

1,1,2,2-Tetrachloroethane

Concen: 44.318 ug/l

RT: 11.68 min Scan# 1120

Delta R.T. -0.02 min

Lab File: VF061760.D

Acq: 27 Feb 2019 00:44

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

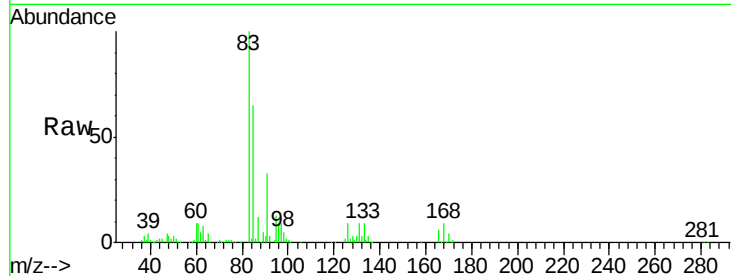
Tot Ion: 83 Resp: 116273

Ion Ratio Lower Upper

83 100

131 9.1 4.4 13.2

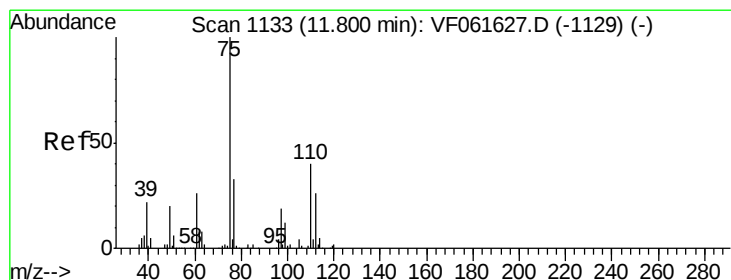
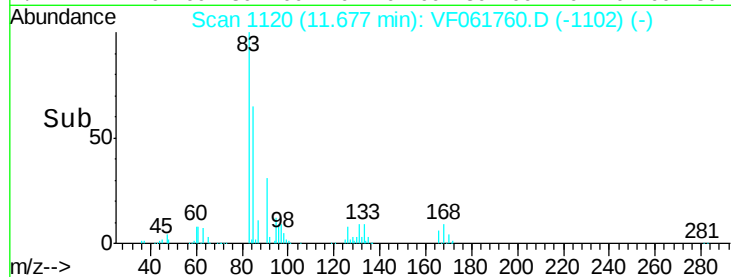
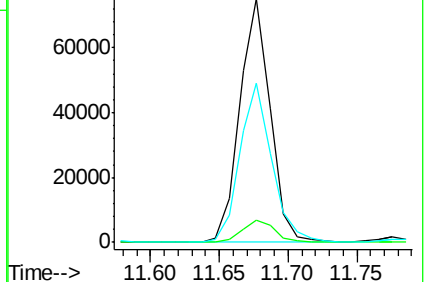
85 65.4 31.5 94.5



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: 44.501 ug/l

RT: 11.78 min Scan# 1130

Delta R.T. -0.02 min

Lab File: VF061760.D

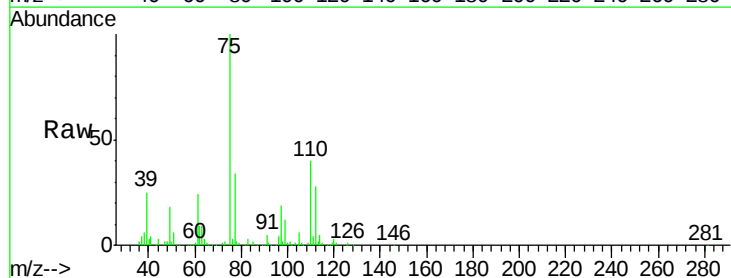
Acq: 27 Feb 2019 00:44

Tgt Ion: 75 Resp: 79379

Ion Ratio Lower Upper

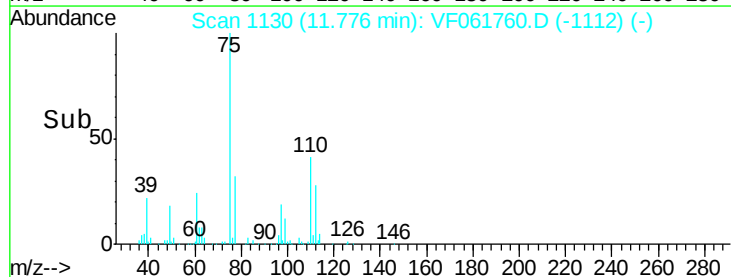
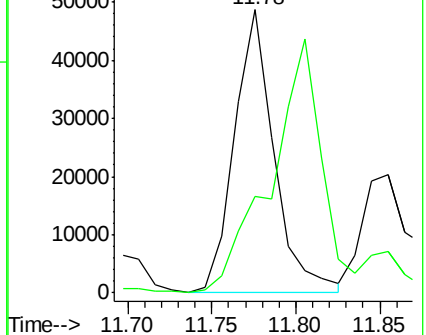
75 100

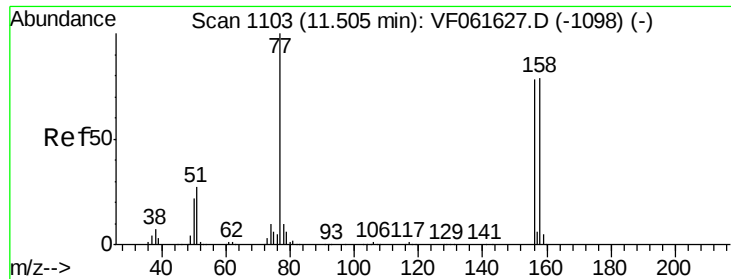
77 33.9 16.6 49.7



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

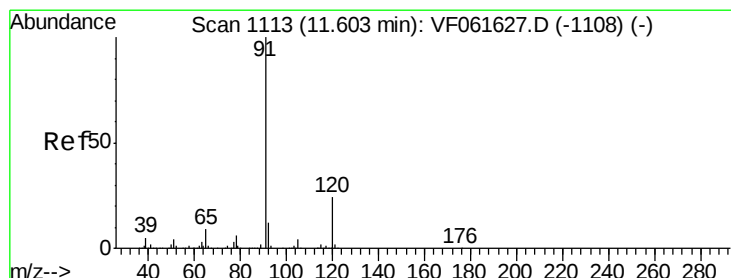
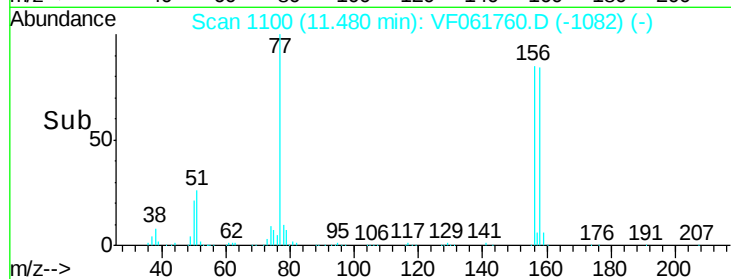
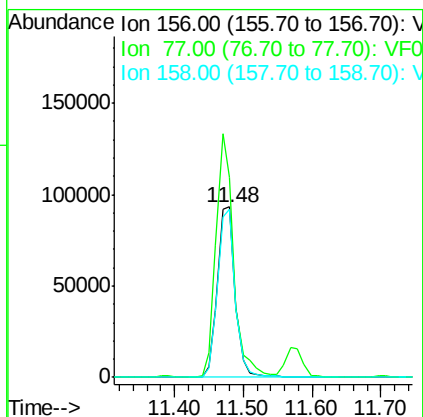
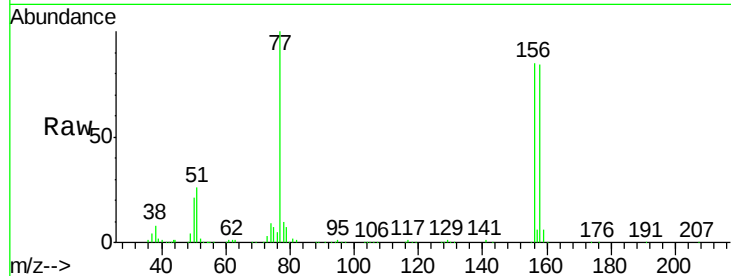




#77
Bromobenzene
Concen: 46.349 ug/l
RT: 11.48 min Scan# 1100
Delta R.T. -0.02 min
Lab File: VF061760.D
Acq: 27 Feb 2019 00:44

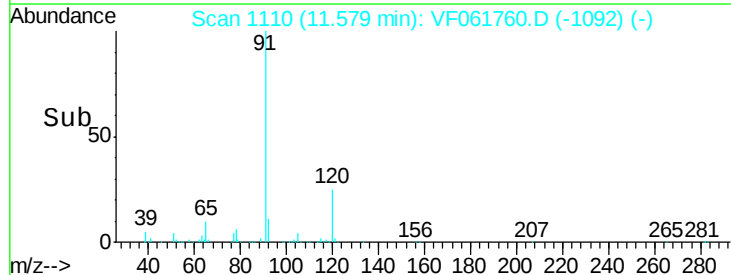
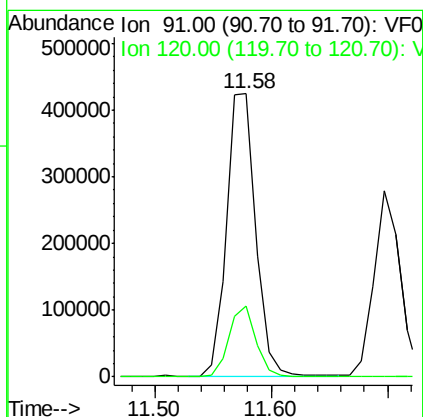
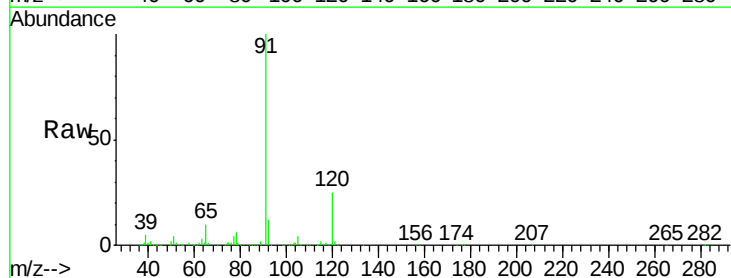
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

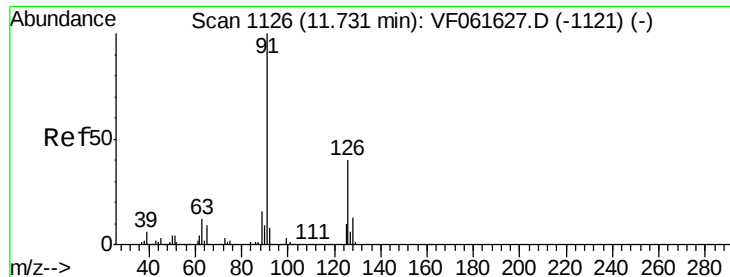
Tot Ion:156 Resp: 167682
Ion Ratio Lower Upper
156 100
77 117.7 64.3 192.7
158 99.1 50.9 152.7



#78
n-propylbenzene
Concen: 43.772 ug/l
RT: 11.58 min Scan# 1110
Delta R.T. -0.02 min
Lab File: VF061760.D
Acq: 27 Feb 2019 00:44

Tgt Ion: 91 Resp: 735590
Ion Ratio Lower Upper
91 100
120 25.1 12.1 36.3





#79

2-Chlorotoluene

Concen: 45.935 ug/l

RT: 11.70 min Scan# 1122

Delta R.T. -0.03 min

Lab File: VF061760.D

Acq: 27 Feb 2019 00:44

Instrument :

MSVOA_F

ClientSampleId :

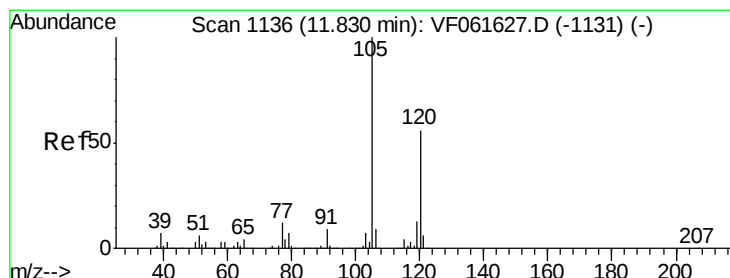
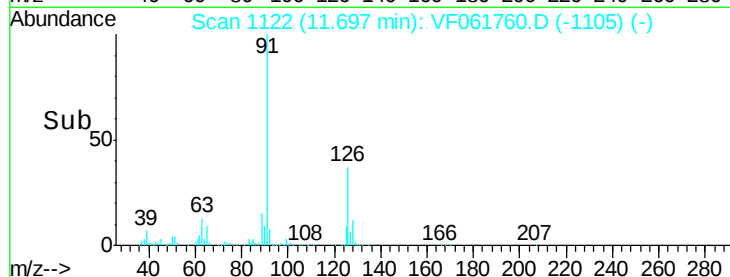
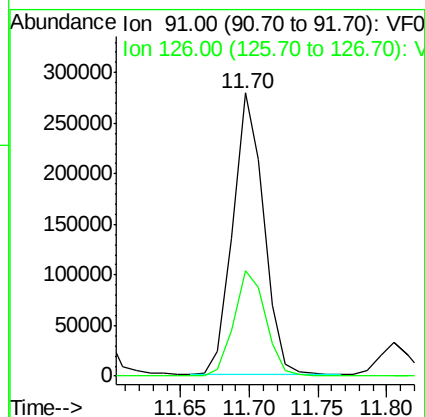
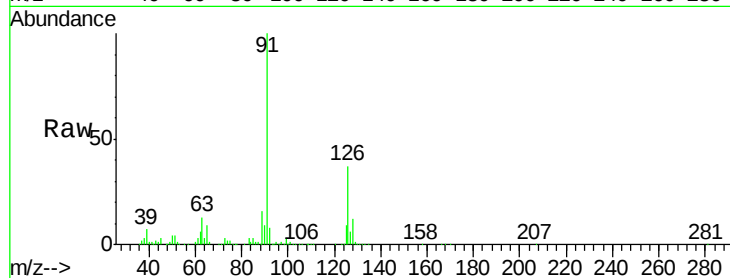
VSTDCCC050EC

Tot Ion: 91 Resp: 432320

Ion Ratio Lower Upper

91 100

126 37.4 19.8 59.4



#80

1,3,5-Trimethylbenzene

Concen: 44.929 ug/l

RT: 11.81 min Scan# 1133

Delta R.T. -0.02 min

Lab File: VF061760.D

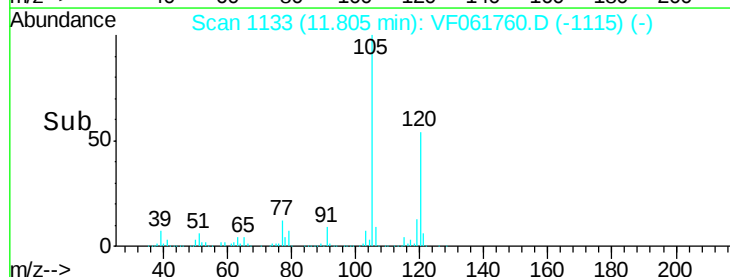
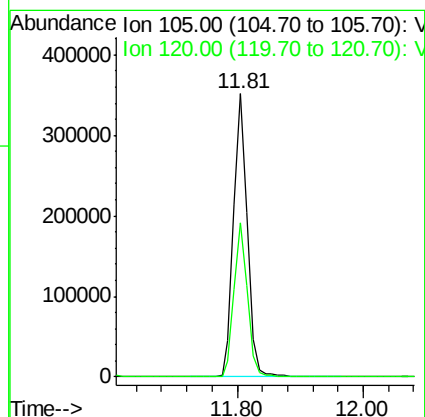
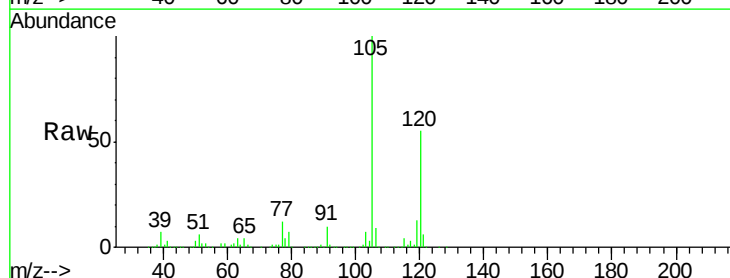
Acq: 27 Feb 2019 00:44

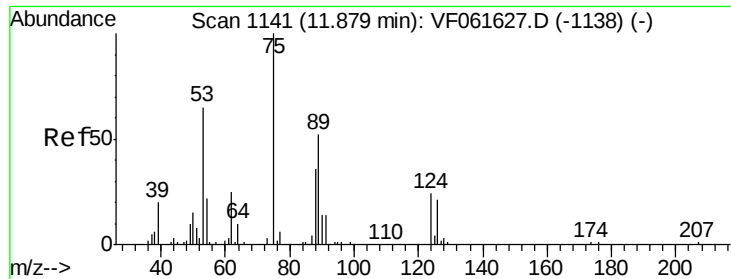
Tgt Ion:105 Resp: 525870

Ion Ratio Lower Upper

105 100

120 54.6 27.9 83.6

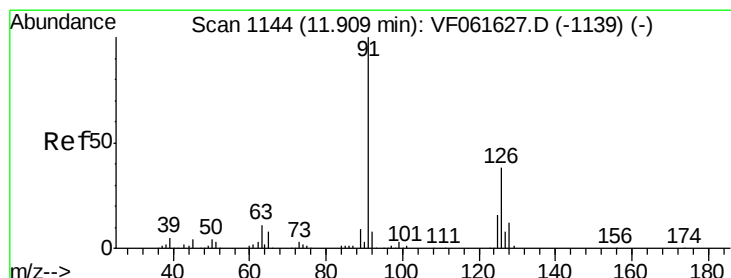
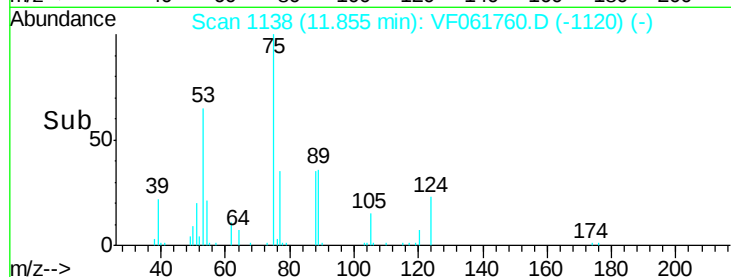
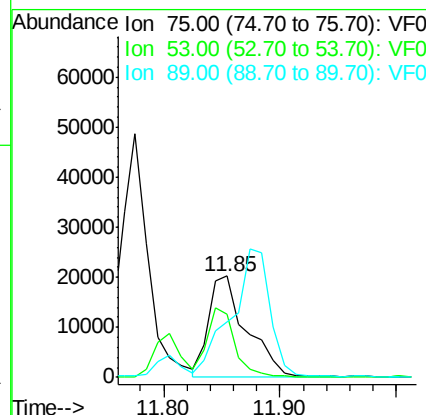
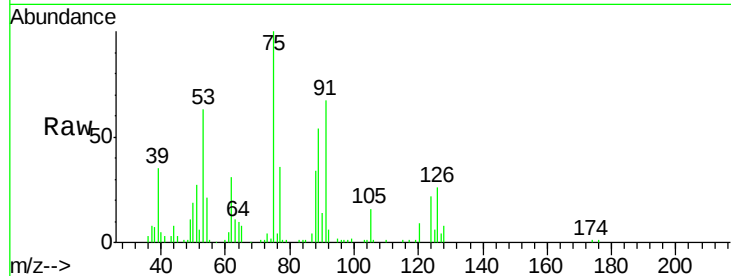




#81
trans-1,4-Dichloro-2-butene
Concen: 52.346 ug/l
RT: 11.85 min Scan# 1138
Delta R.T. -0.02 min
Lab File: VF061760.D
Acq: 27 Feb 2019 00:44

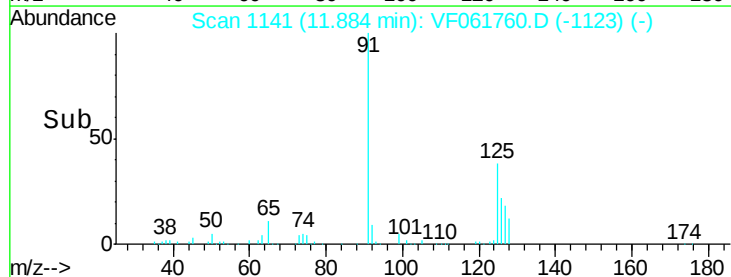
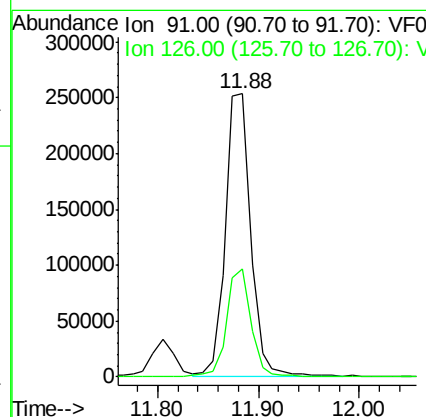
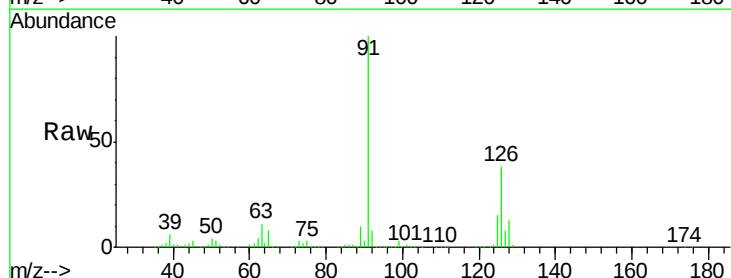
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

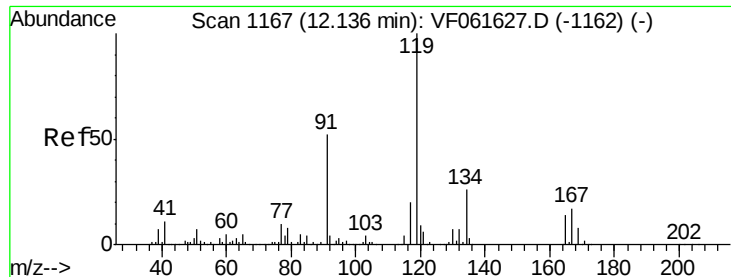
Tot Ion: 75 Resp: 44764
Ion Ratio Lower Upper
75 100
53 62.5 53.7 80.5
89 54.5 41.6 62.4



#82
4-Chlorotoluene
Concen: 44.986 ug/l
RT: 11.88 min Scan# 1141
Delta R.T. -0.02 min
Lab File: VF061760.D
Acq: 27 Feb 2019 00:44

Tgt Ion: 91 Resp: 439455
Ion Ratio Lower Upper
91 100
126 38.2 19.1 57.1

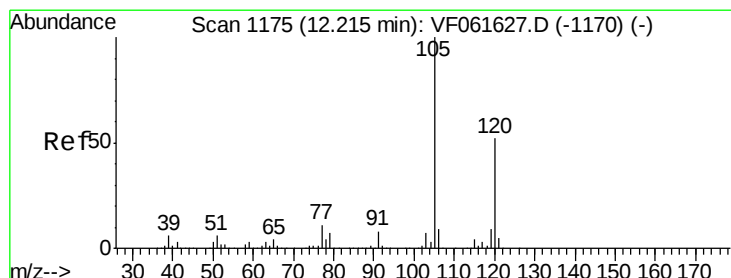
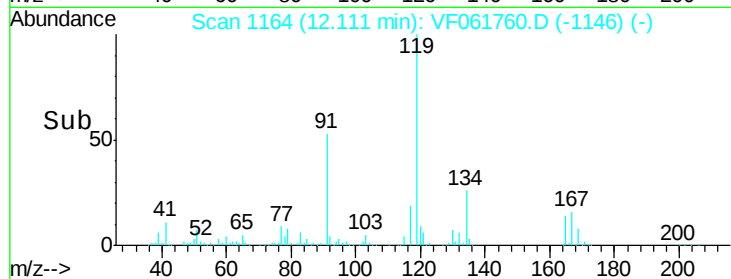
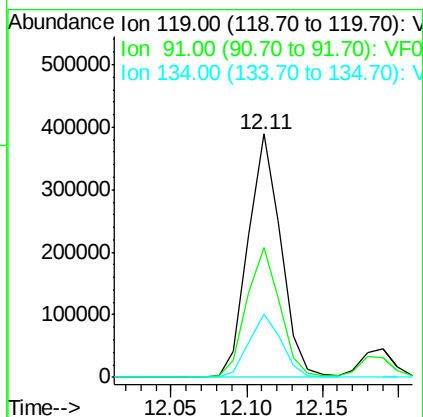
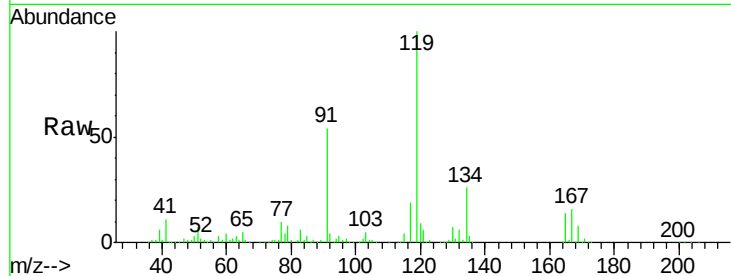




#83
tert-Butylbenzene
Concen: 45.570 ug/l
RT: 12.11 min Scan# 1164
Delta R.T. -0.02 min
Lab File: VF061760.D
Acq: 27 Feb 2019 00:44

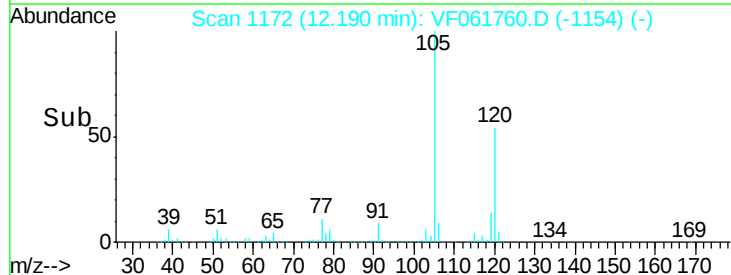
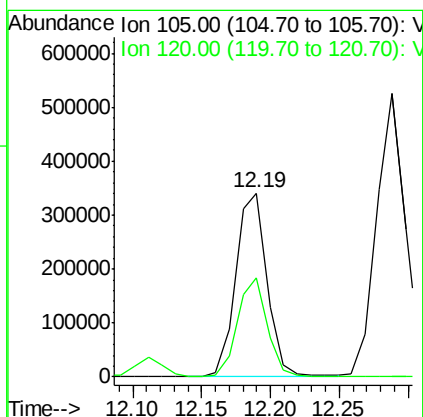
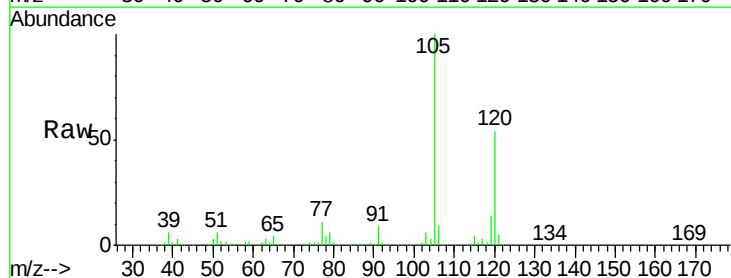
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

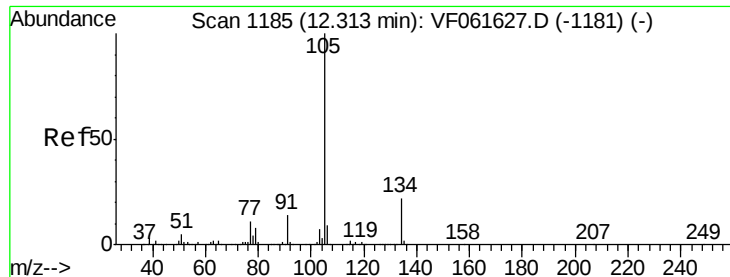
Tot Ion:119 Resp: 590759
Ion Ratio Lower Upper
119 100
91 53.5 26.3 78.8
134 25.8 12.9 38.7



#84
1,2,4-Trimethylbenzene
Concen: 46.479 ug/l
RT: 12.19 min Scan# 1172
Delta R.T. -0.02 min
Lab File: VF061760.D
Acq: 27 Feb 2019 00:44

Tgt Ion:105 Resp: 540463
Ion Ratio Lower Upper
105 100
120 53.6 26.1 78.3

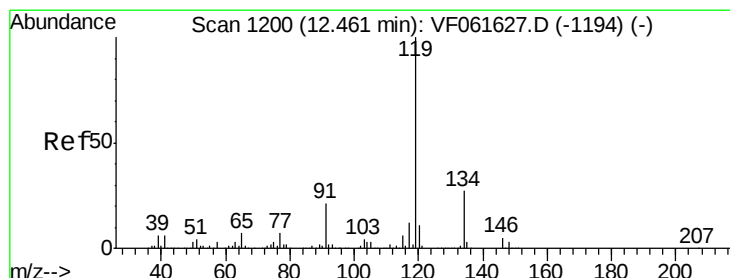
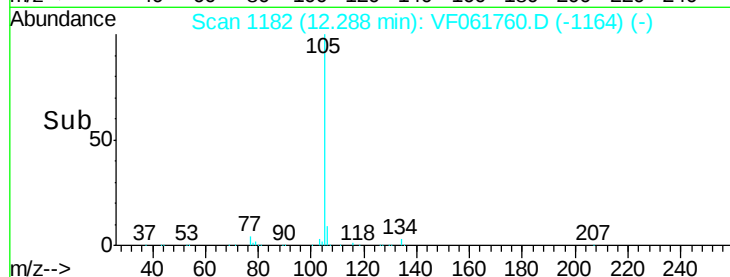
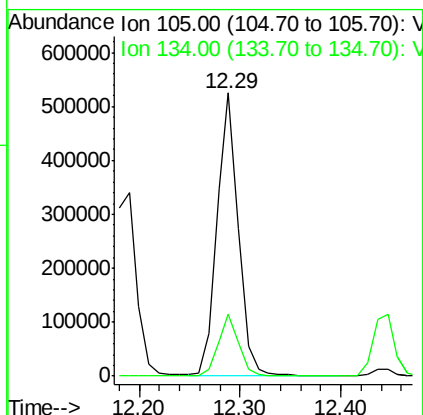
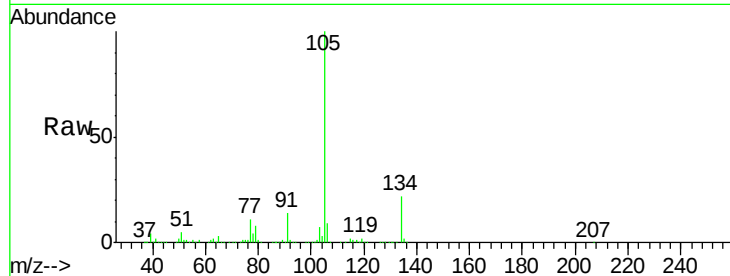




#85
 sec-Butylbenzene
 Concen: 46.106 ug/l
 RT: 12.29 min Scan# 1182
 Delta R.T. -0.02 min
 Lab File: VF061760.D
 Acq: 27 Feb 2019 00:44

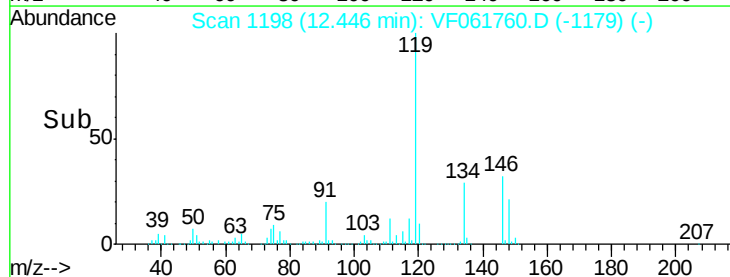
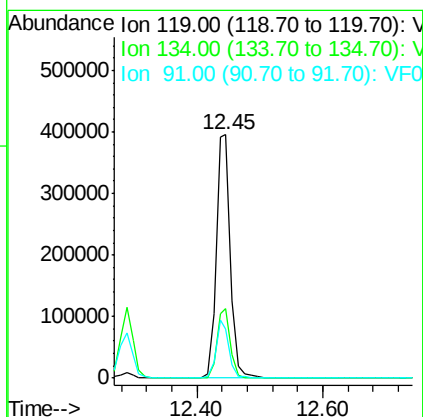
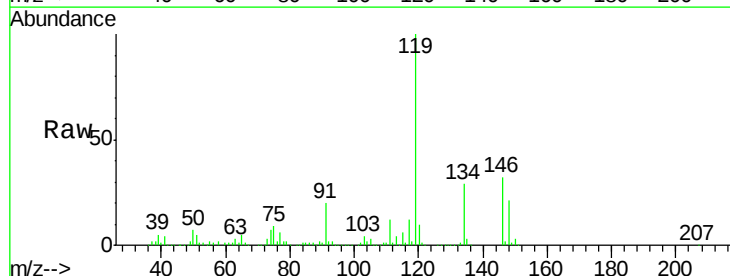
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

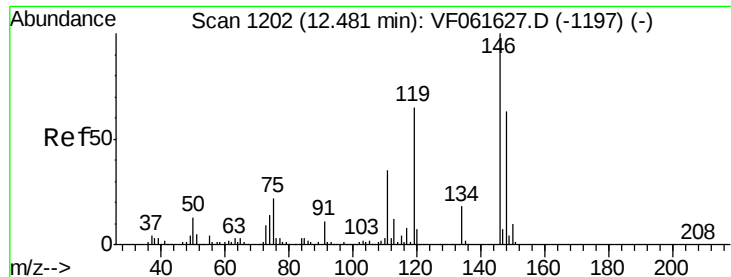
Tot Ion:105 Resp: 772936
 Ion Ratio Lower Upper
 105 100
 134 22.0 10.8 32.4



#86
 p-Isopropyltoluene
 Concen: 44.571 ug/l
 RT: 12.45 min Scan# 1198
 Delta R.T. -0.01 min
 Lab File: VF061760.D
 Acq: 27 Feb 2019 00:44

Tgt Ion:119 Resp: 627093
 Ion Ratio Lower Upper
 119 100
 134 28.8 13.7 41.1
 91 20.1 10.8 32.4

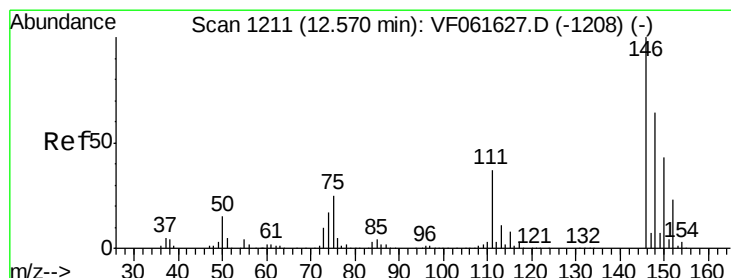
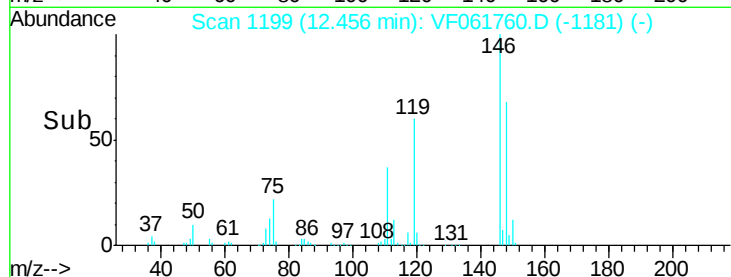
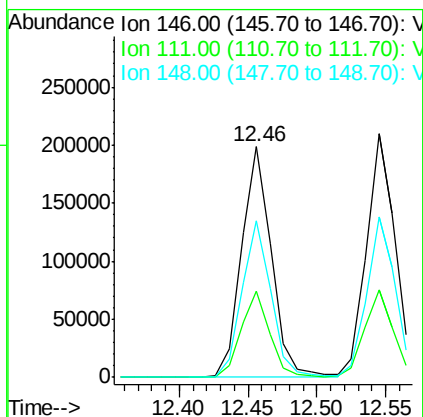
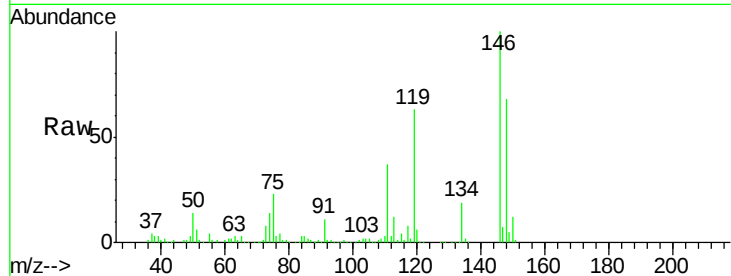




#87
 1,3-Dichlorobenzene
 Concen: 42.666 ug/l
 RT: 12.46 min Scan# 1199
 Delta R.T. -0.02 min
 Lab File: VF061760.D
 Acq: 27 Feb 2019 00:44

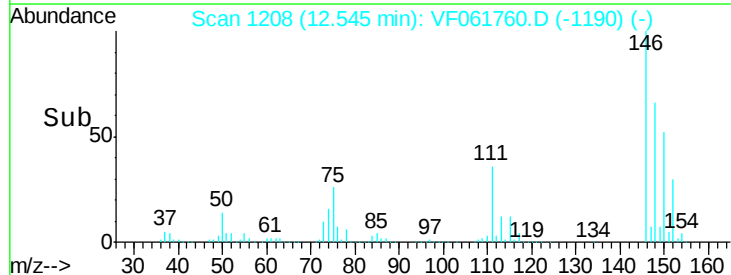
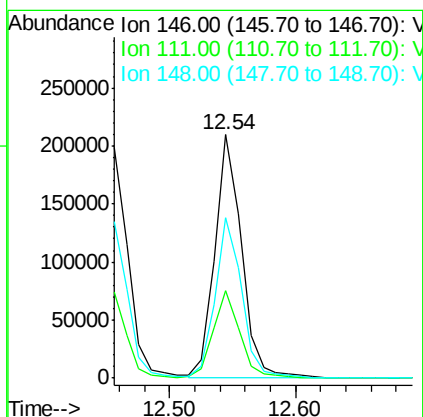
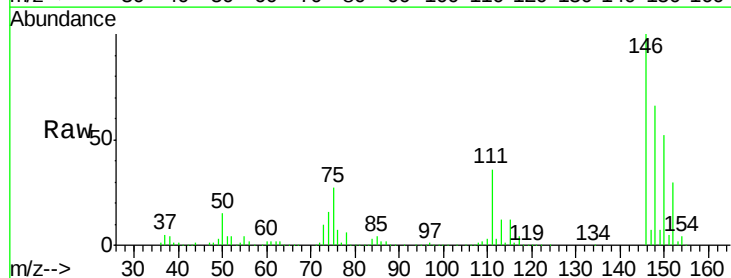
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

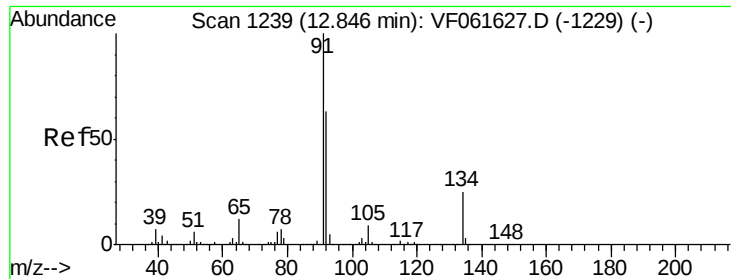
Tot Ion:146 Resp: 300926
 Ion Ratio Lower Upper
 146 100
 111 37.3 17.5 52.6
 148 68.1 31.4 94.3



#88
 1,4-Dichlorobenzene
 Concen: 45.471 ug/l
 RT: 12.54 min Scan# 1208
 Delta R.T. -0.02 min
 Lab File: VF061760.D
 Acq: 27 Feb 2019 00:44

Tgt Ion:146 Resp: 308429
 Ion Ratio Lower Upper
 146 100
 111 35.7 18.4 55.4
 148 66.0 32.2 96.6

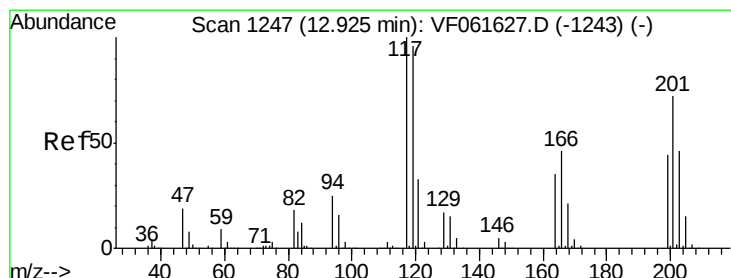
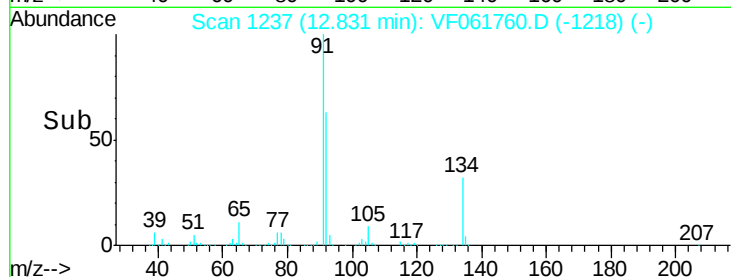
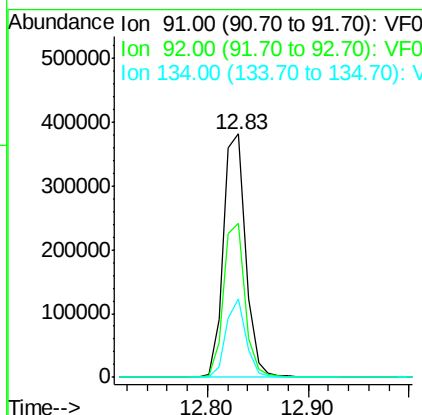
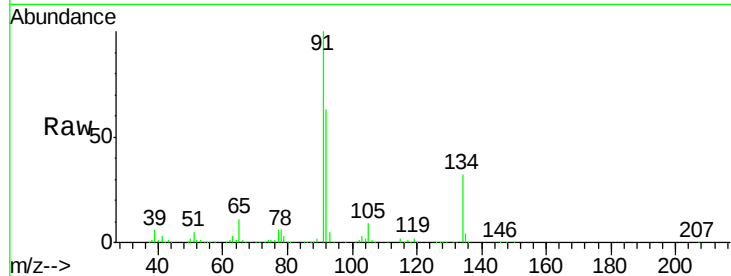




#89
n-Butylbenzene
Concen: 44.436 ug/l
RT: 12.83 min Scan# 1237
Delta R.T. -0.01 min
Lab File: VF061760.D
Acq: 27 Feb 2019 00:44

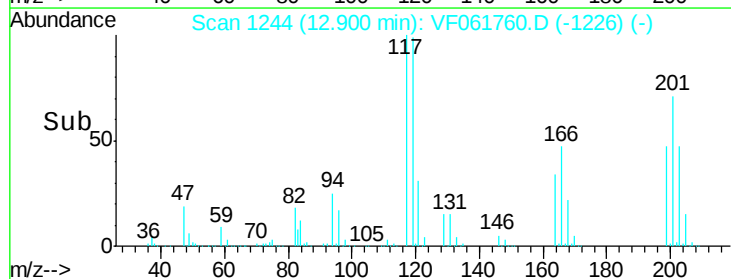
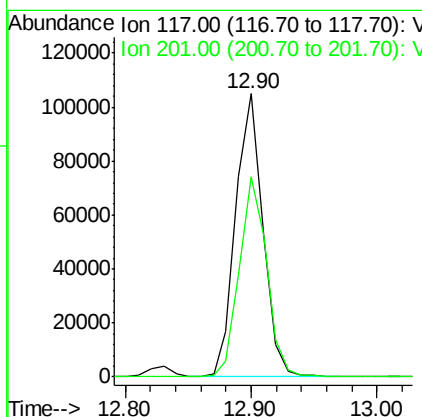
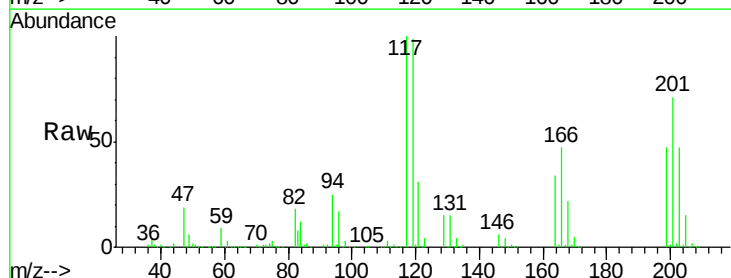
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

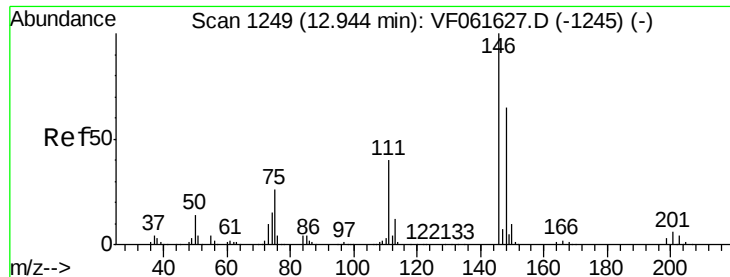
Tot Ion: 91 Resp: 590353
Ion Ratio Lower Upper
91 100
92 63.1 31.4 94.3
134 32.4 12.3 36.9



#90
Hexachloroethane
Concen: 47.495 ug/l
RT: 12.90 min Scan# 1244
Delta R.T. -0.02 min
Lab File: VF061760.D
Acq: 27 Feb 2019 00:44

Tgt Ion: 117 Resp: 155411
Ion Ratio Lower Upper
117 100
201 70.8 36.2 108.6





#91

1,2-Dichlorobenzene

Concen: 44.876 ug/l

RT: 12.92 min Scan# 1246

Delta R.T. -0.02 min

Lab File: VF061760.D

Acq: 27 Feb 2019 00:44

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

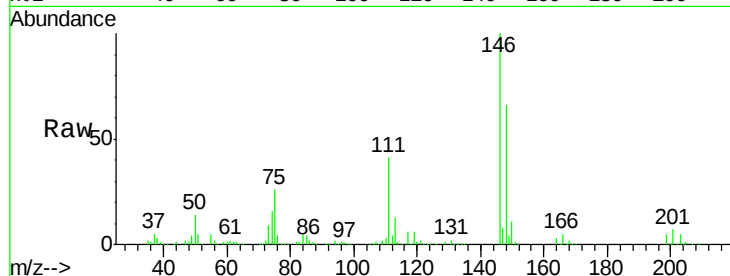
Tot Ion:146 Resp: 301055

Ion Ratio Lower Upper

146 100

111 40.8 20.2 60.5

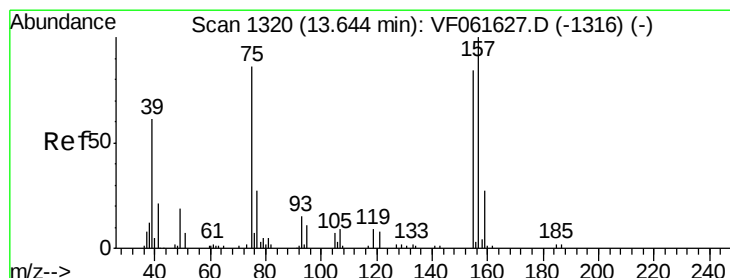
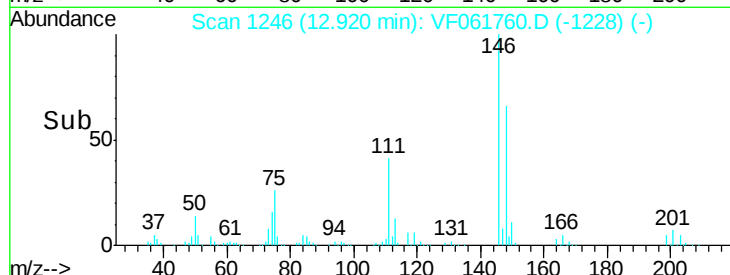
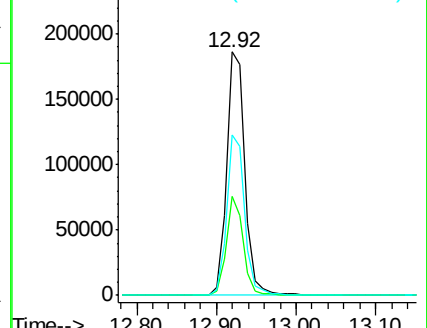
148 66.0 32.3 96.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 44.823 ug/l

RT: 13.62 min Scan# 1317

Delta R.T. -0.02 min

Lab File: VF061760.D

Acq: 27 Feb 2019 00:44

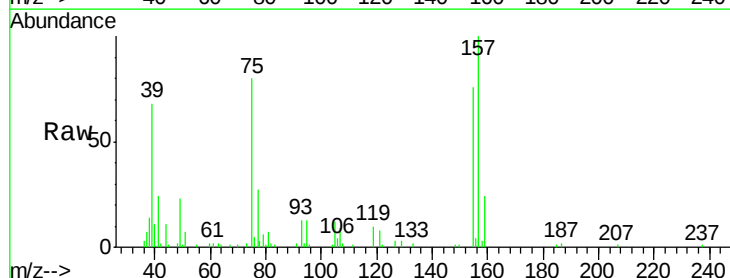
Tgt Ion: 75 Resp: 18645

Ion Ratio Lower Upper

75 100

155 95.4 48.9 146.8

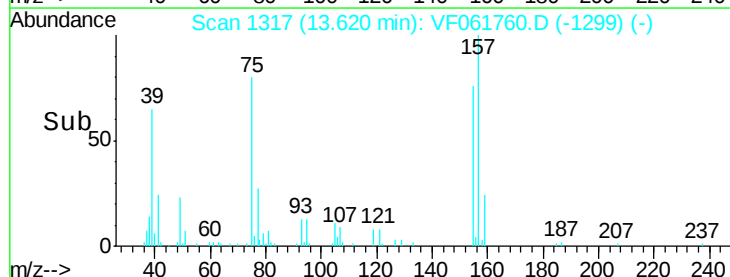
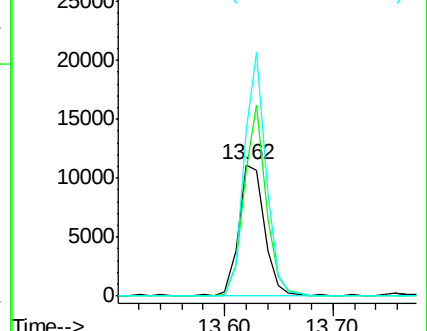
157 125.6 58.3 174.8

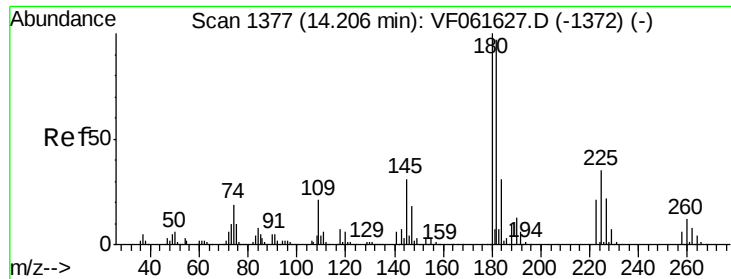


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V





#93

1,2,4-Trichlorobenzene

Concen: 44.611 ug/l

RT: 14.18 min Scan# 1374

Delta R.T. -0.02 min

Lab File: VF061760.D

Acq: 27 Feb 2019 00:44

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

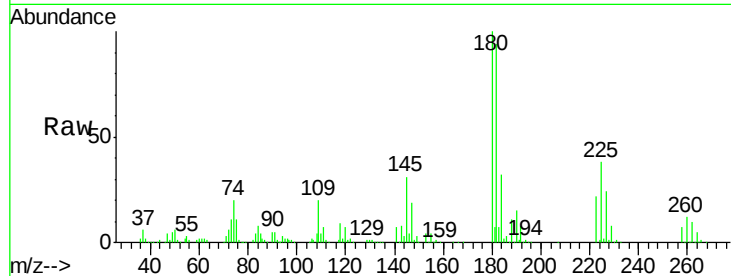
Tot Ion:180 Resp: 214515

Ion Ratio Lower Upper

180 100

182 93.8 48.6 145.9

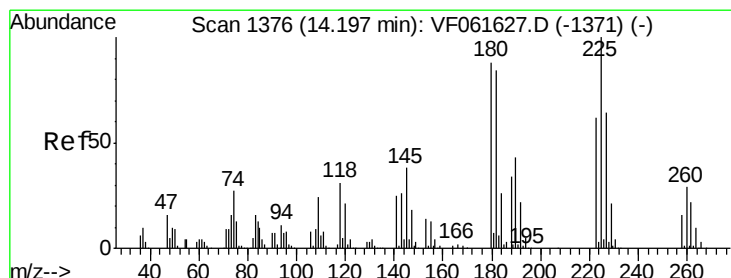
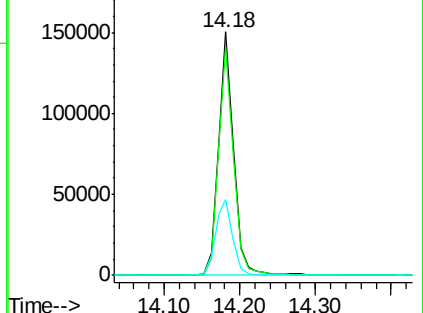
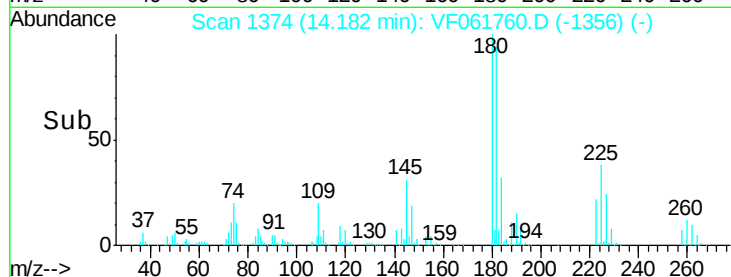
145 31.4 15.3 45.9



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94

Hexachlorobutadiene

Concen: 48.989 ug/l

RT: 14.17 min Scan# 1373

Delta R.T. -0.02 min

Lab File: VF061760.D

Acq: 27 Feb 2019 00:44

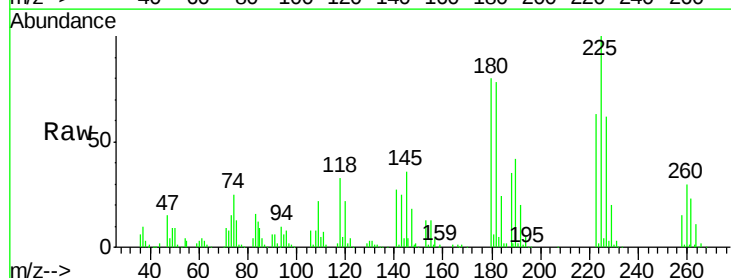
Tgt Ion:225 Resp: 145483

Ion Ratio Lower Upper

225 100

223 63.1 30.9 92.7

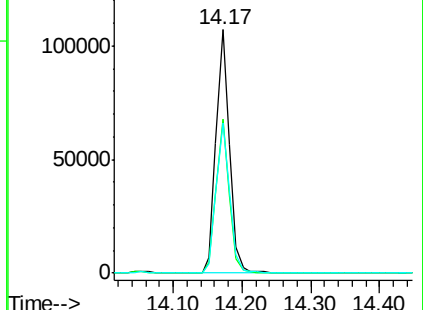
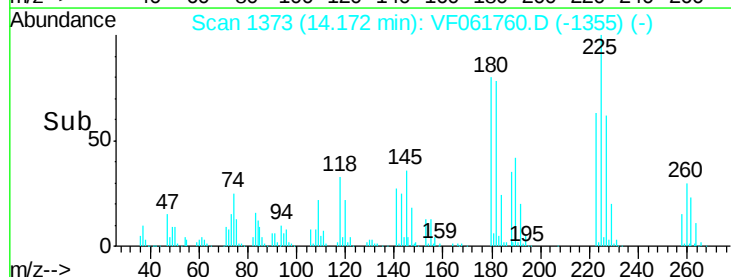
227 61.7 32.1 96.3

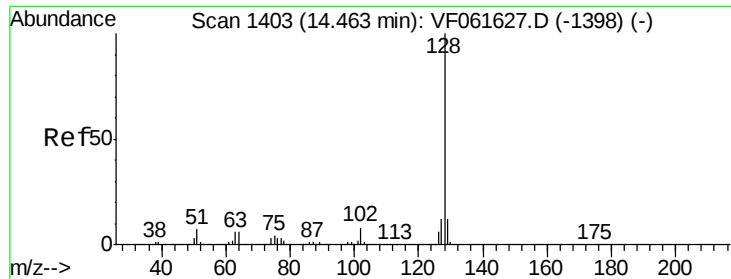


Abundance Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V

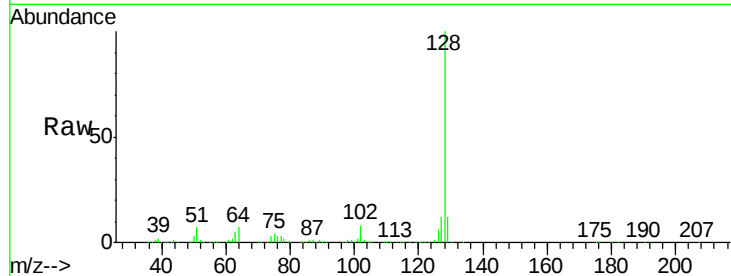




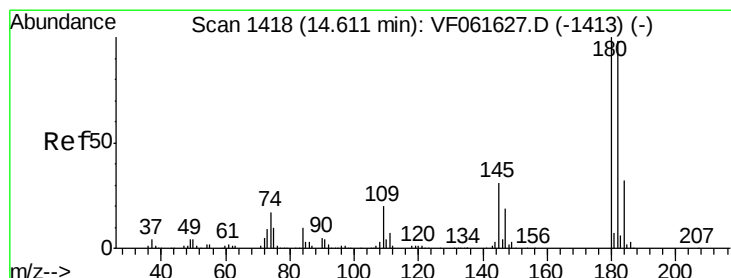
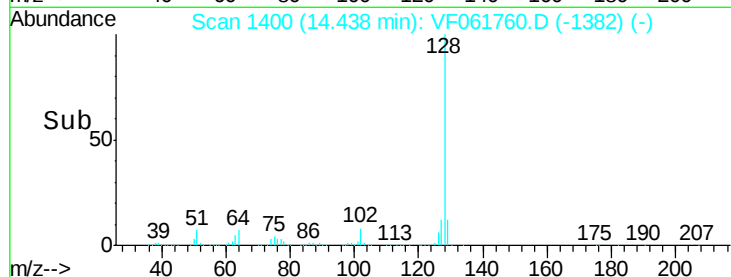
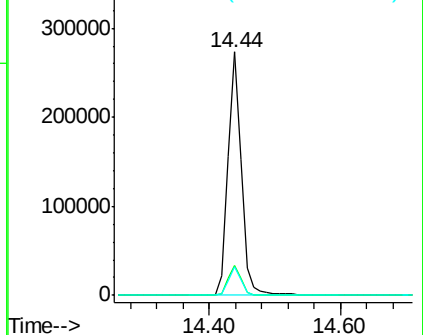
#95
Naphthalene
Concen: 46.737 ug/l
RT: 14.44 min Scan# 1400
Delta R.T. -0.02 min
Lab File: VF061760.D
Acq: 27 Feb 2019 00:44

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 393206
Ion Ratio Lower Upper
128 100
127 12.2 9.8 14.6
129 11.6 9.4 14.2

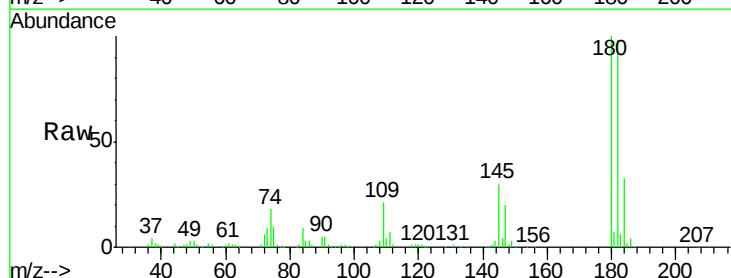


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 45.552 ug/l
RT: 14.59 min Scan# 1415
Delta R.T. -0.02 min
Lab File: VF061760.D
Acq: 27 Feb 2019 00:44

Tgt Ion:180 Resp: 201042
Ion Ratio Lower Upper
180 100
182 98.4 49.0 147.2
145 30.3 15.4 46.1



Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

