

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031119\
 Data File : VF061883.D
 Acq On : 11 Mar 2019 11:06
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Quant Time: Mar 12 05:05:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 05 04:50:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	286504	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.59	114	422803	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.76	117	346034	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.54	152	199927	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.83	65	116775	55.97	ug/l	-0.02
Spiked Amount			Recovery	=	111.94%	
35) Dibromofluoromethane	4.10	113	148408	50.30	ug/l	-0.02
Spiked Amount			Recovery	=	100.60%	
50) Toluene-d8	7.54	98	427581	48.75	ug/l	-0.02
Spiked Amount			Recovery	=	97.50%	
62) 4-Bromofluorobenzene	11.41	95	172531	50.22	ug/l	-0.01
Spiked Amount			Recovery	=	100.44%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.95	85	164004	46.626	ug/l	79
3) Chloromethane	1.09	50	170960	50.151	ug/l	92
4) Vinyl Chloride	1.13	62	163841	50.630	ug/l	96
5) Bromomethane	1.33	94	119838	54.339	ug/l	96
6) Chloroethane	1.39	64	82277	53.488	ug/l	98
7) Trichlorofluoromethane	1.48	101	217024	54.911	ug/l	96
8) Diethyl Ether	1.62	74	45089	50.168	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	1.82	101	139369	51.927	ug/l	95
10) Methyl Iodide	1.90	142	197435	38.656	ug/l	94
11) Tert butyl alcohol	2.56	59	30328	256.094	ug/l	98
12) 1,1-Dichloroethene	1.78	96	122433	49.966	ug/l	88
13) Acrolein	2.00	56	43175	287.722	ug/l	88
14) Allyl chloride	2.09	41	151944	56.288	ug/l	93
15) Acrylonitrile	2.94	53	89165	236.451	ug/l	98
16) Acetone	2.24	43	133194	304.756	ug/l	98
17) Carbon Disulfide	1.81	76	258153	33.846	ug/l	99
18) Methyl Acetate	2.42	43	46511	55.149	ug/l	95
19) Methyl tert-butyl Ether	2.42	73	210199	50.711	ug/l	98
20) Methylene Chloride	2.18	84	53624	18.803	ug/l	96
21) trans-1,2-Dichloroethene	2.30	96	121402	52.643	ug/l	93
22) Diisopropyl ether	2.79	45	364013	51.840	ug/l	98
23) Vinyl Acetate	3.18	43	738281	235.353	ug/l	99
24) 1,1-Dichloroethane	2.87	63	210299	50.106	ug/l	99
25) 2-Butanone	4.33	43	221609	249.278	ug/l	94
26) 2,2-Dichloropropane	3.59	77	99836	53.285	ug/l	99
27) cis-1,2-Dichloroethene	3.47	96	163584	51.200	ug/l	96
28) Bromochloromethane	3.71	49	87356	47.748	ug/l #	97
29) Tetrahydrofuran	4.06	42	82772	215.890	ug/l	98
30) Chloroform	3.84	83	233916	48.794	ug/l	95
31) Cyclohexane	3.69	56	206891	47.063	ug/l	91
32) 1,1,1-Trichloroethane	4.09	97	166838	56.461	ug/l	97
36) 1,1-Dichloropropene	4.27	75	191617	47.978	ug/l	98
37) Ethyl Acetate	4.10	43	80075	47.767	ug/l #	97
38) Carbon Tetrachloride	3.98	117	148526	52.534	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.44	83	220546	46.752	ug/l	98
40) Benzene	4.62	78	491756	47.105	ug/l	99
41) Methacrylonitrile	4.74	41	42849	46.653	ug/l #	88
42) 1,2-Dichloroethane	4.93	62	128821	49.516	ug/l	96
43) Isopropyl Acetate	6.95	43	95985	46.451	ug/l #	94
44) Trichloroethene	5.49	130	154896	47.745	ug/l	99
45) 1,2-Dichloropropane	6.23	63	111768	45.024	ug/l	96
46) Dibromomethane	6.07	93	76256	48.809	ug/l	99
47) Bromodichloromethane	6.38	83	165966	48.084	ug/l	99
48) Methyl methacrylate	6.70	41	62270	47.616	ug/l #	94
49) 1,4-Dioxane	6.69	88	10319	863.162	ug/l #	76
51) 4-Methyl-2-Pentanone	8.25	43	347509	243.328	ug/l	96
52) Toluene	7.61	92	294934	47.757	ug/l	97
53) t-1,3-Dichloropropene	8.27	75	144871	50.848	ug/l	93
54) cis-1,3-Dichloropropene	7.29	75	188362	47.931	ug/l	98
55) 1,1,2-Trichloroethane	8.48	97	85654	48.137	ug/l	97
56) Ethyl methacrylate	8.61	69	97296	48.518	ug/l	97
57) 1,3-Dichloropropane	8.84	76	142012	48.802	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.28	63	77655	244.792	ug/l	95
59) 2-Hexanone	9.48	43	257031	249.474	ug/l	99
60) Dibromochloromethane	8.70	129	120866	47.659	ug/l	100
61) 1,2-Dibromoethane	8.98	107	95068	48.585	ug/l	97
64) Tetrachloroethene	8.14	164	136316	51.268	ug/l	97
65) Chlorobenzene	9.79	112	328852	49.466	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.92	131	138514	53.776	ug/l	96
67) Ethyl Benzene	9.89	91	568297	51.575	ug/l	98
68) m/p-Xylenes	10.12	106	431578	102.241	ug/l	94
69) o-Xylene	10.71	106	241907	53.220	ug/l	98
70) Styrene	10.78	104	326721	51.075	ug/l	99
71) Bromoform	10.77	173	70713	51.944	ug/l	94
73) Isopropylbenzene	11.12	105	692122	50.285	ug/l	99
74) N-amyl acetate	11.37	43	145983	46.071	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.69	83	111511	48.746	ug/l	94
76) 1,2,3-Trichloropropane	11.79	75	69427	44.467	ug/l	96
77) Bromobenzene	11.49	156	159598	48.181	ug/l	93
78) n-propylbenzene	11.58	91	729927	46.960	ug/l	99
79) 2-Chlorotoluene	11.71	91	412577	46.428	ug/l	99
80) 1,3,5-Trimethylbenzene	11.82	105	503614	45.573	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.86	75	48747	68.280	ug/l	90
82) 4-Chlorotoluene	11.89	91	435252	47.885	ug/l	98
83) tert-Butylbenzene	12.13	119	581791	49.581	ug/l	95
84) 1,2,4-Trimethylbenzene	12.20	105	531764	49.087	ug/l	98
85) sec-Butylbenzene	12.29	105	761305	49.856	ug/l	100
86) p-Isopropyltoluene	12.45	119	622732	47.977	ug/l	100
87) 1,3-Dichlorobenzene	12.47	146	296858	47.197	ug/l	97
88) 1,4-Dichlorobenzene	12.56	146	303631	50.043	ug/l	100
89) n-Butylbenzene	12.84	91	604226	48.710	ug/l	98
90) Hexachloroethane	12.92	117	158470	50.723	ug/l	72
91) 1,2-Dichlorobenzene	12.93	146	279680	46.932	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.63	75	17732	45.042	ug/l	90

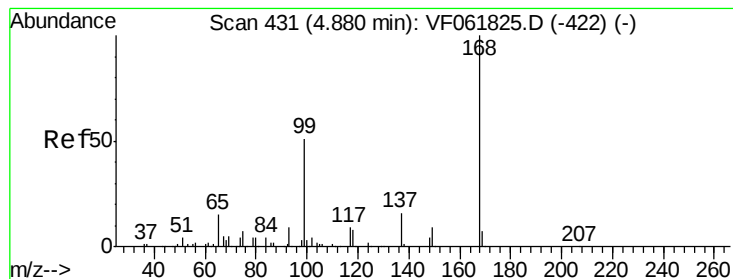
Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031119\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	205281	49.136	ug/l	98
94) Hexachlorobutadiene	14.19	225	134018	46.338	ug/l	98
95) Naphthalene	14.45	128	370965	49.854	ug/l	99
96) 1,2,3-Trichlorobenzene	14.60	180	191543	49.656	ug/l	94

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.02 min

Lab File: VF061883.D

Acq: 11 Mar 2019 11:06

Instrument :

MSVOA_F

ClientSampleId :

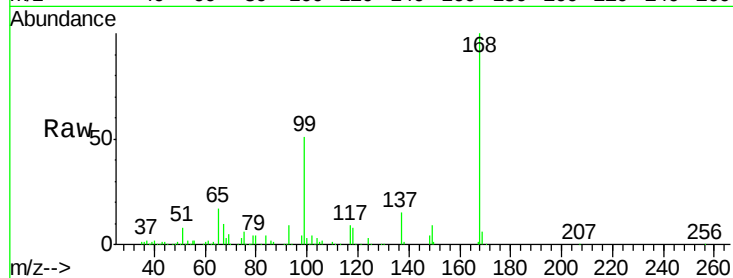
VSTDCCC050

Tot Ion:168 Resp: 286504

Ion Ratio Lower Upper

168 100

99 51.3 40.8 61.2



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.86

100000

80000

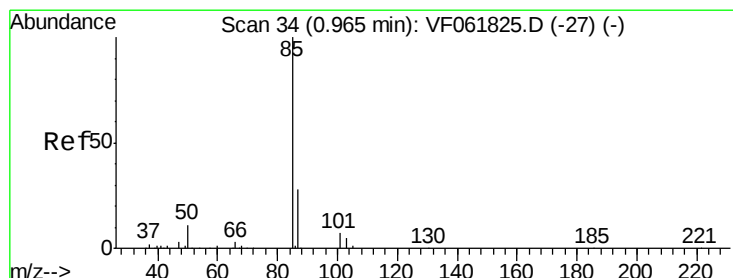
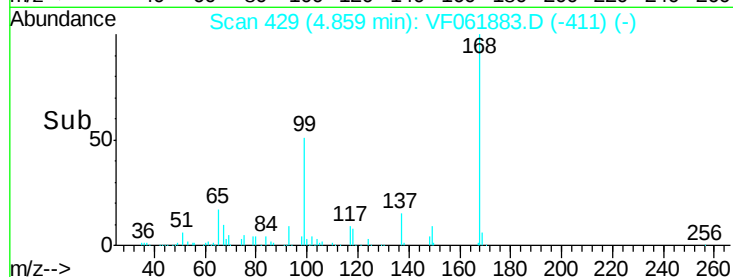
60000

40000

20000

0

Time--> 4.70 4.80 4.90 5.00 5.10



#2

Dichlorodifluoromethane

Concen: 46.626 ug/l

RT: 0.95 min Scan# 33

Delta R.T. -0.01 min

Lab File: VF061883.D

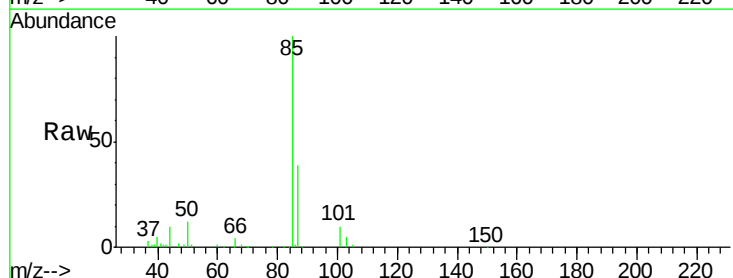
Acq: 11 Mar 2019 11:06

Tgt Ion: 85 Resp: 164004

Ion Ratio Lower Upper

85 100

87 39.0 14.1 42.2



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.95

50000

40000

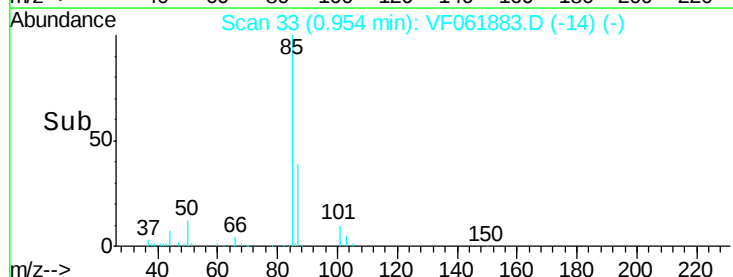
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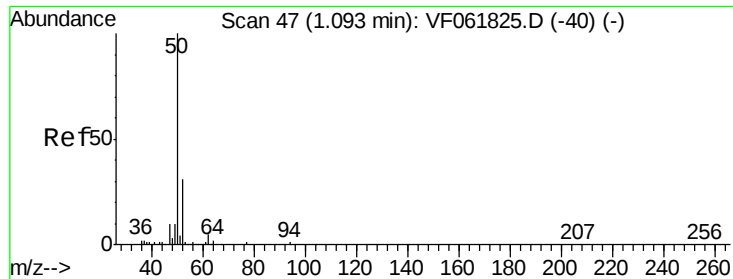
20000

10000

0

Time--> 0.80 0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 50.151 ug/l

RT: 1.09 min Scan# 47

Delta R.T. -0.00 min

Lab File: VF061883.D

Acq: 11 Mar 2019 11:06

Instrument :

MSVOA_F

ClientSampleId :

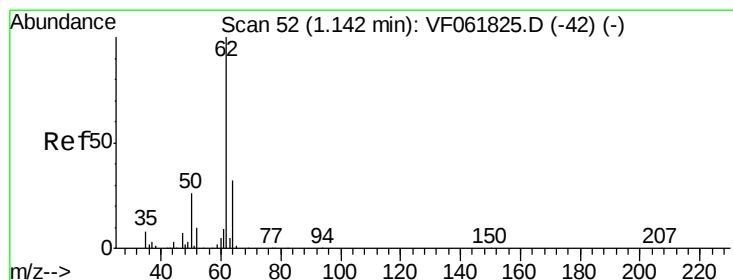
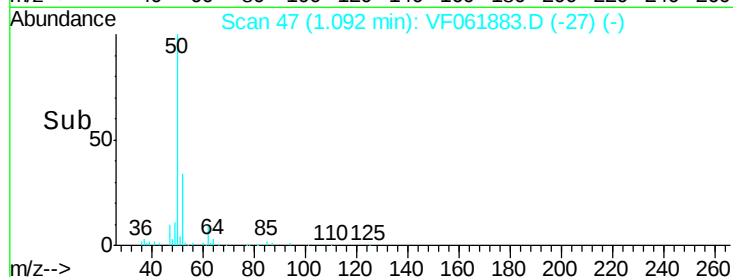
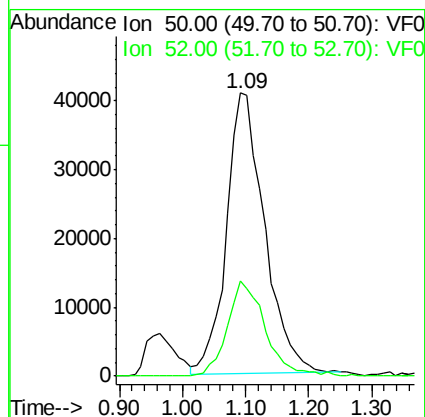
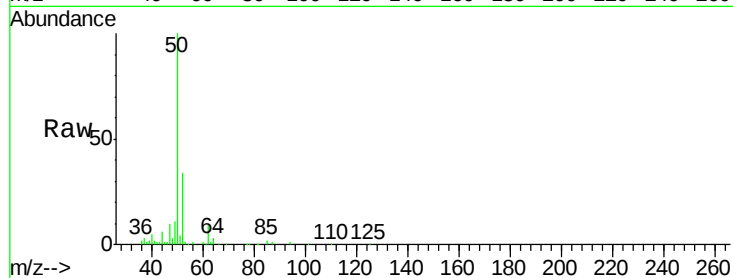
VSTDCCC050

Tot Ion: 50 Resp: 170960

Ion Ratio Lower Upper

50 100

52 33.9 23.8 35.8



#4

Vinyl Chloride

Concen: 50.630 ug/l

RT: 1.13 min Scan# 51

Delta R.T. -0.01 min

Lab File: VF061883.D

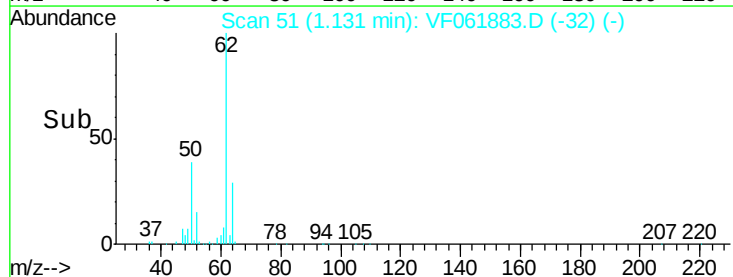
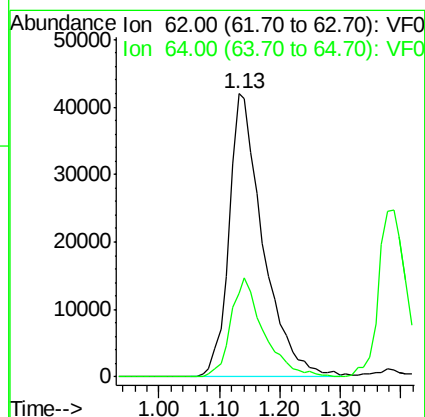
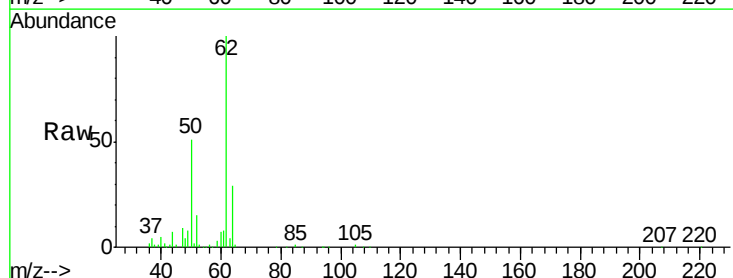
Acq: 11 Mar 2019 11:06

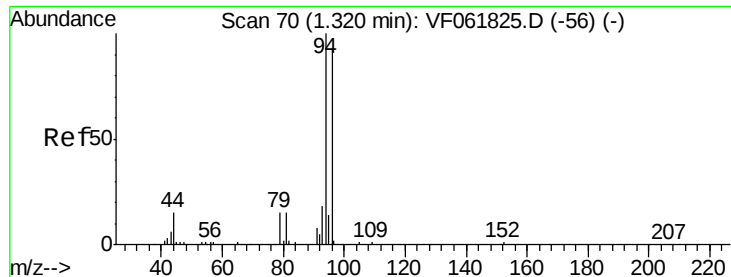
Tgt Ion: 62 Resp: 163841

Ion Ratio Lower Upper

62 100

64 29.5 25.2 37.8





#5

Bromomethane

Concen: 54.339 ug/l

RT: 1.33 min Scan# 71

Delta R.T. 0.01 min

Lab File: VF061883.D

Acq: 11 Mar 2019 11:06

Instrument :

MSVOA_F

ClientSampleId :

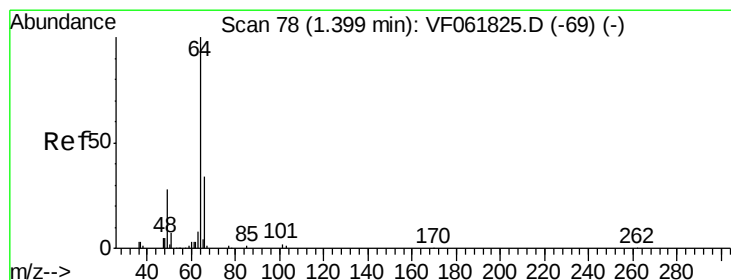
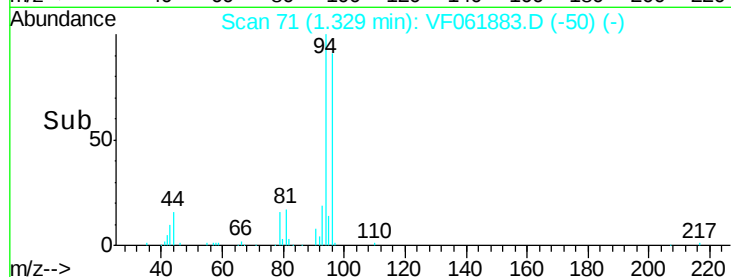
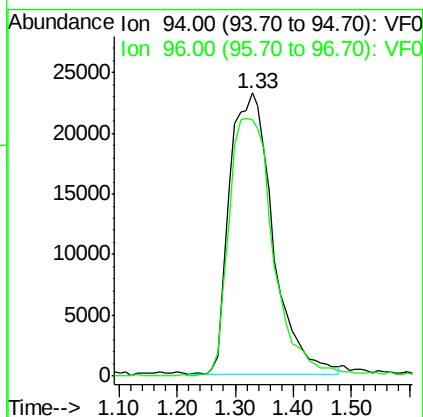
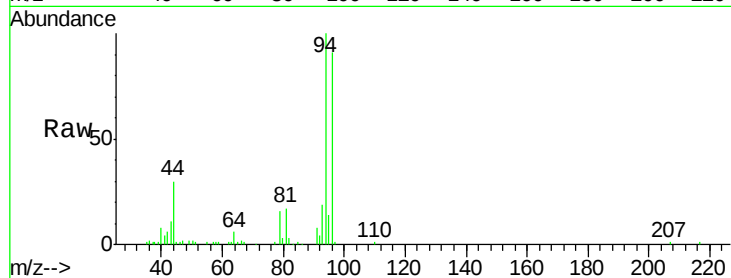
VSTDCCC050

Tot Ion: 94 Resp: 119838

Ion Ratio Lower Upper

94 100

96 90.6 75.2 112.8



#6

Chloroethane

Concen: 53.488 ug/l

RT: 1.39 min Scan# 77

Delta R.T. -0.01 min

Lab File: VF061883.D

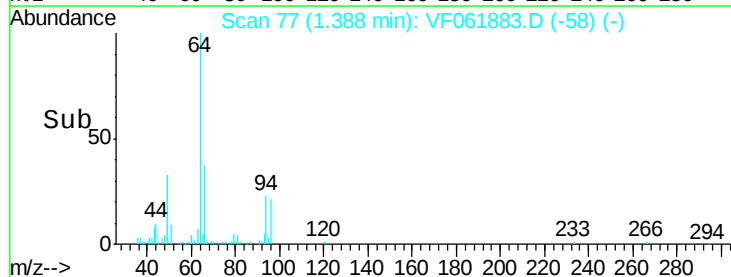
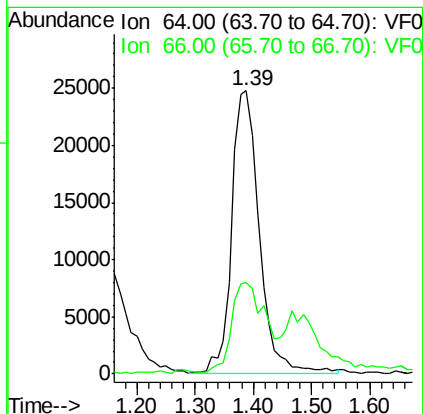
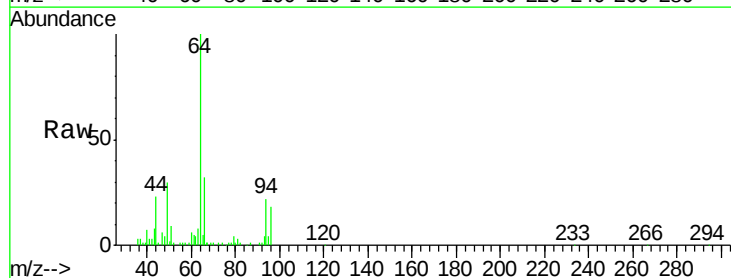
Acq: 11 Mar 2019 11:06

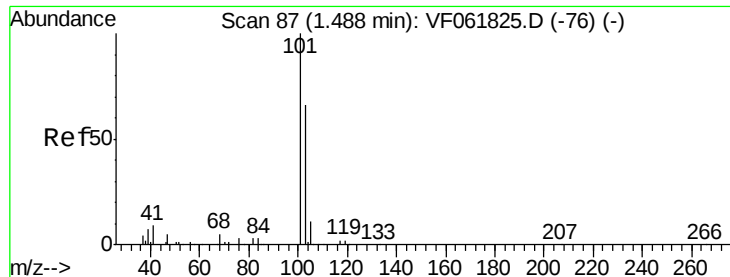
Tgt Ion: 64 Resp: 82277

Ion Ratio Lower Upper

64 100

66 32.4 27.0 40.4





#7

Trichlorofluoromethane

Concen: 54.911 ug/l

RT: 1.48 min Scan# 86

Delta R.T. -0.01 min

Lab File: VF061883.D

Acq: 11 Mar 2019 11:06

Instrument :

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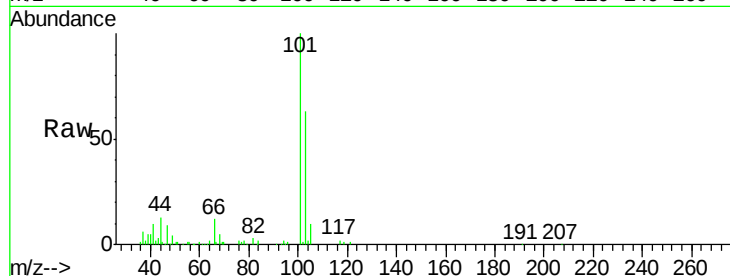
VSTDCCC050

Tot Ion:101 Resp: 217024

Ion Ratio Lower Upper

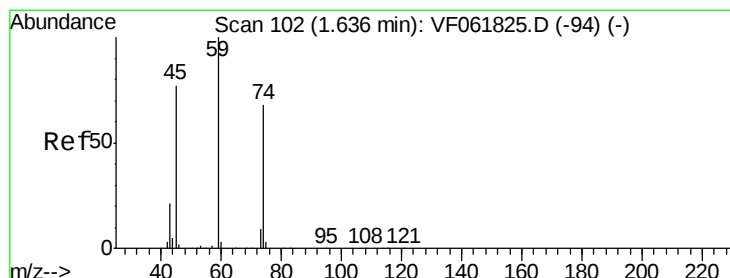
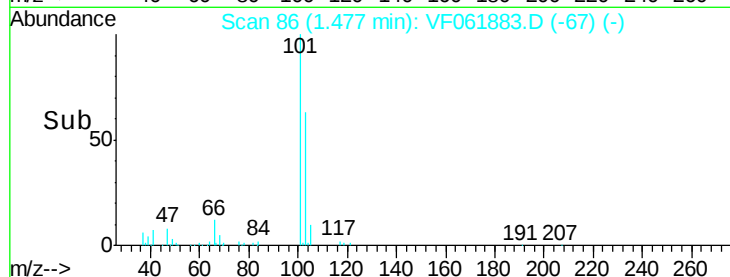
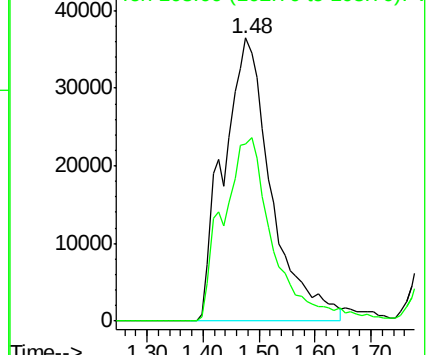
101 100

103 62.8 52.8 79.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 50.168 ug/l

RT: 1.62 min Scan# 101

Delta R.T. -0.01 min

Lab File: VF061883.D

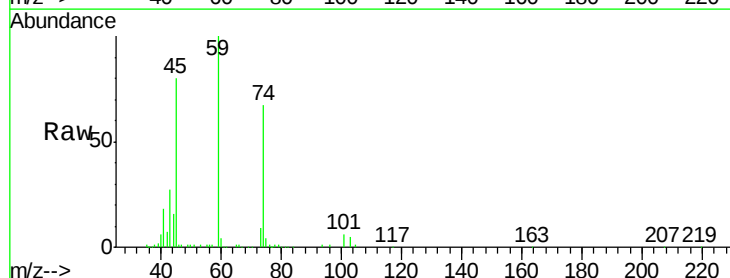
Acq: 11 Mar 2019 11:06

Tgt Ion: 74 Resp: 45089

Ion Ratio Lower Upper

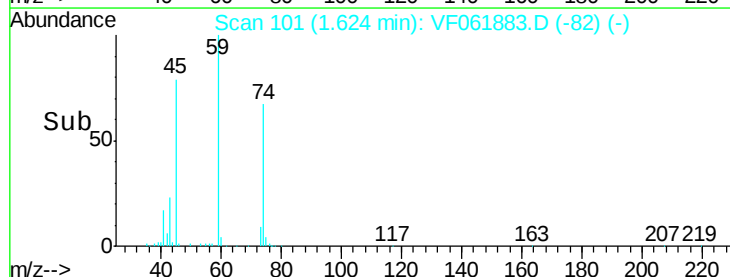
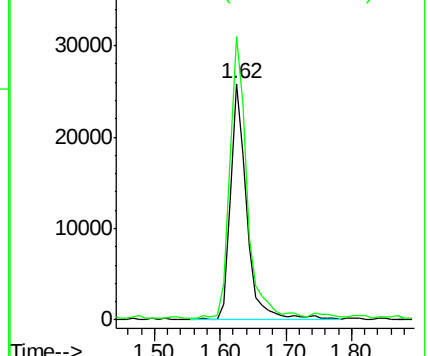
74 100

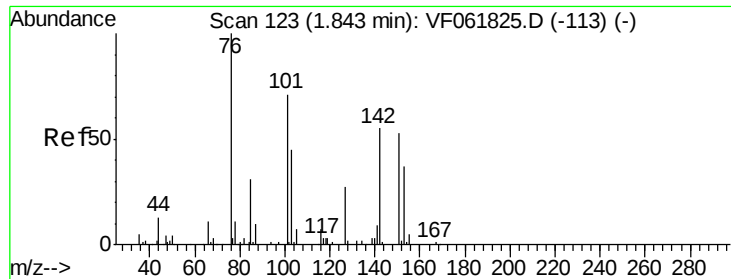
45 119.9 57.2 171.6



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.927 ug/l

RT: 1.82 min Scan# 121

Delta R.T. -0.02 min

Lab File: VF061883.D

Acq: 11 Mar 2019 11:06

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VSTDCCC050

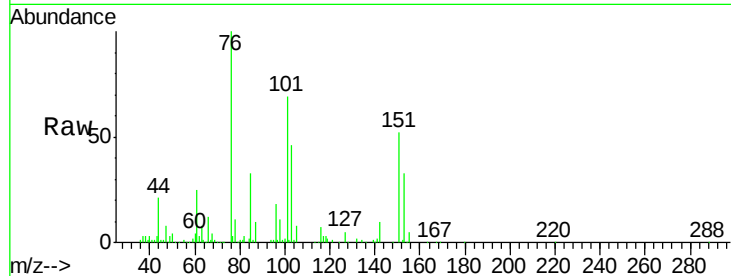
Tot Ion:101 Resp: 139369

Ion Ratio Lower Upper

101 100

85 47.0 34.0 51.0

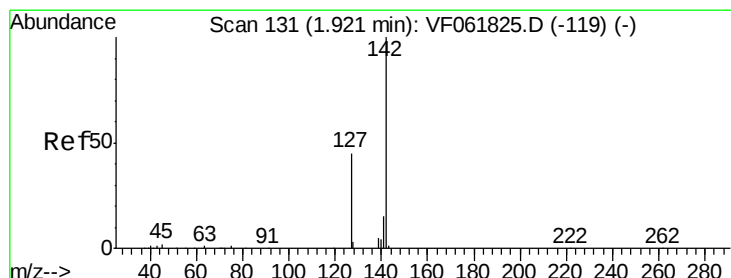
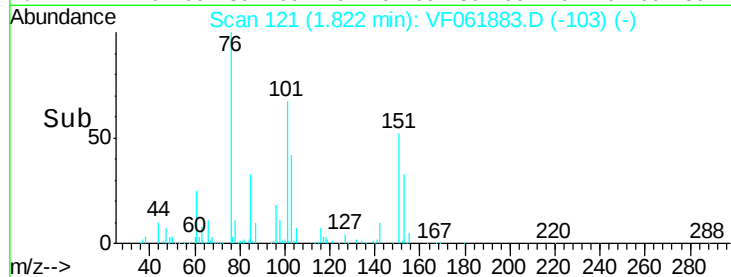
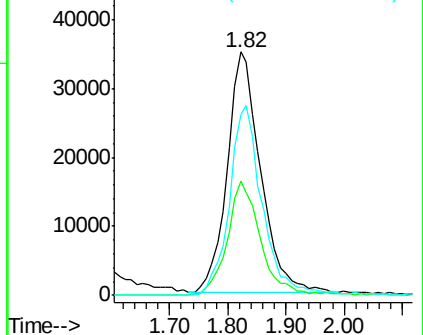
151 74.4 57.3 85.9



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: 38.656 ug/l

RT: 1.90 min Scan# 129

Delta R.T. -0.02 min

Lab File: VF061883.D

Acq: 11 Mar 2019 11:06

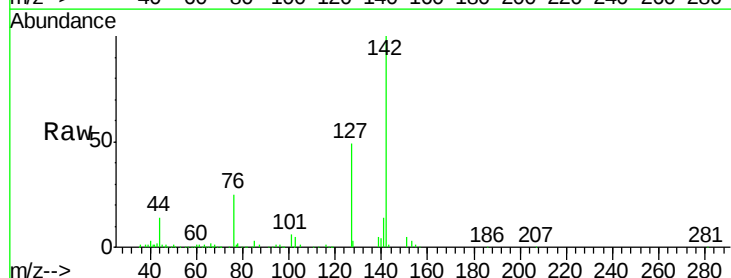
Tgt Ion:142 Resp: 197435

Ion Ratio Lower Upper

142 100

127 49.4 35.8 53.6

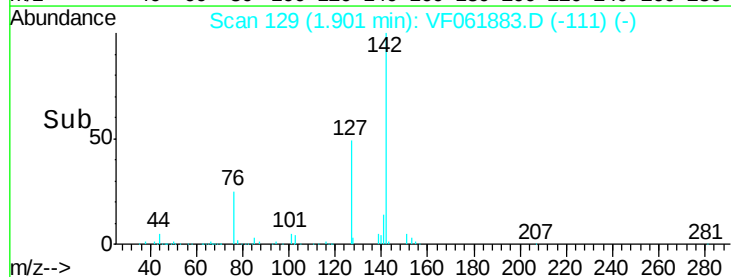
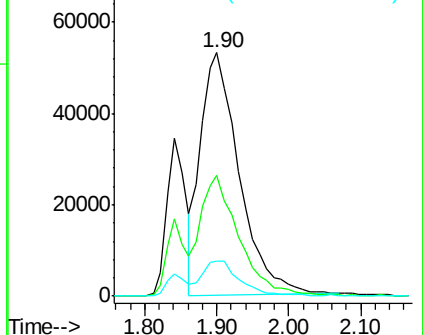
141 14.4 11.7 17.5

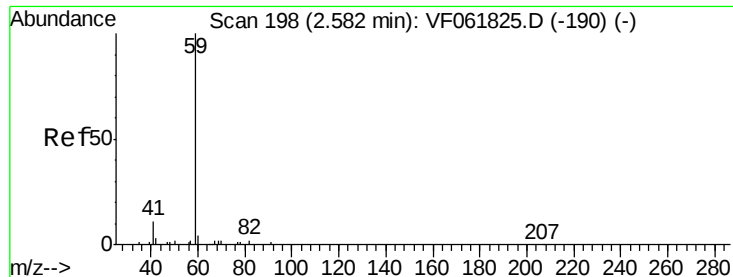


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



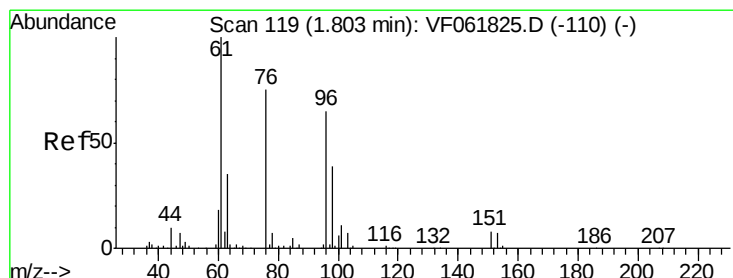
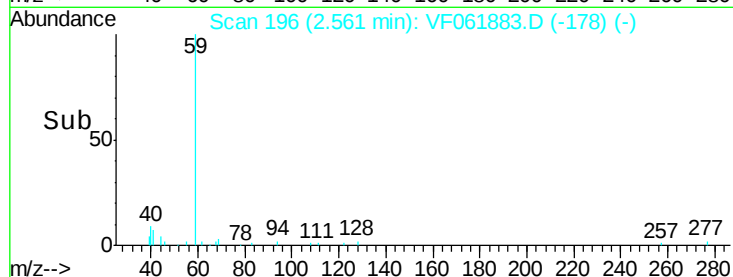
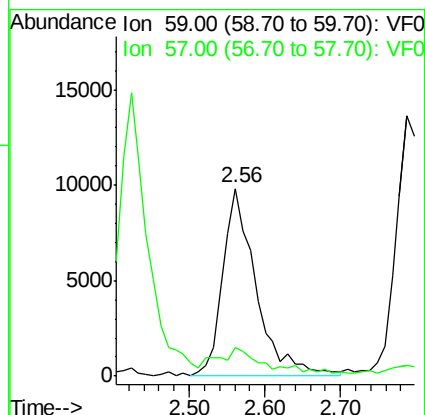
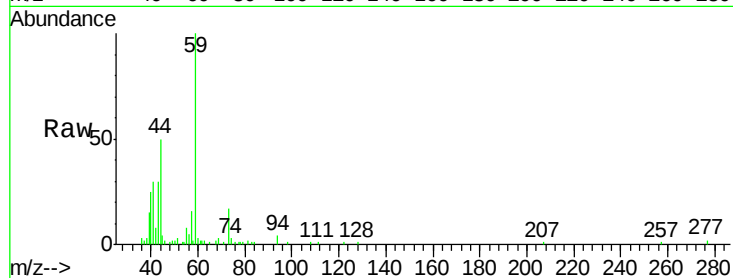


#11

Tert butyl alcohol
Concen: 256.094 ug/l
RT: 2.56 min Scan# 196
Delta R.T. -0.02 min
Lab File: VF061883.D
Acq: 11 Mar 2019 11:06

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

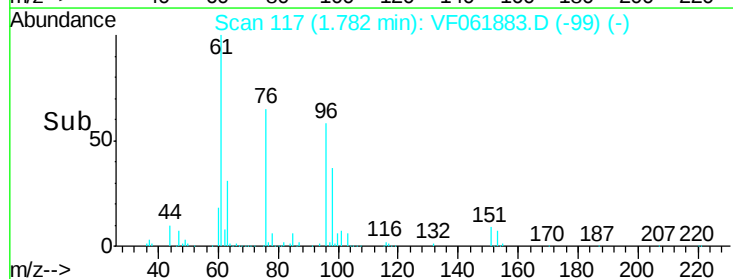
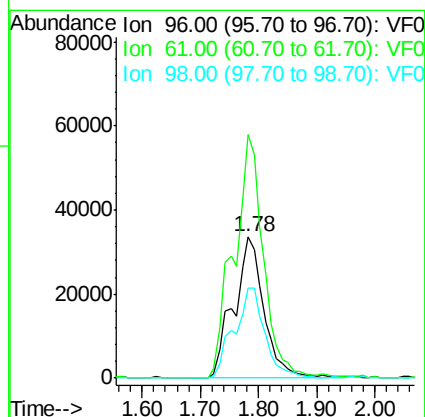
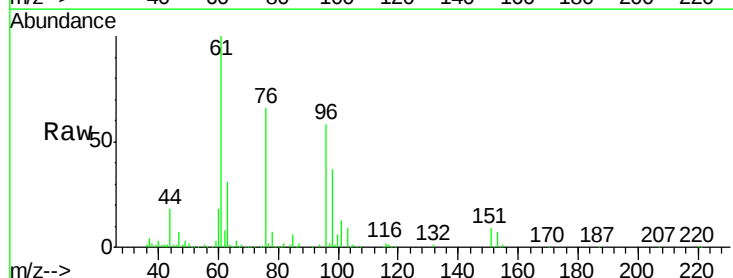
Tot Ion: 59 Resp: 30328
Ion Ratio Lower Upper
59 100
57 15.5 11.8 17.6

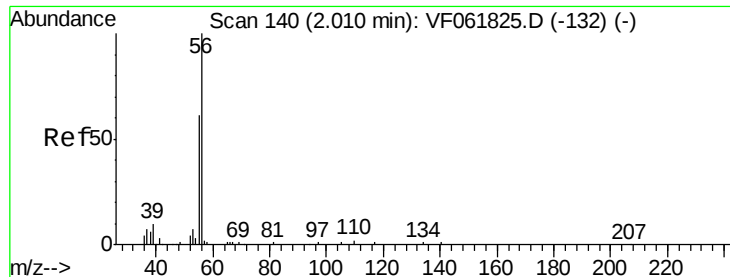


#12

1,1-Dichloroethene
Concen: 49.966 ug/l
RT: 1.78 min Scan# 117
Delta R.T. -0.02 min
Lab File: VF061883.D
Acq: 11 Mar 2019 11:06

Tgt Ion: 96 Resp: 122433
Ion Ratio Lower Upper
96 100
61 172.2 122.5 183.7
98 63.4 47.1 70.7

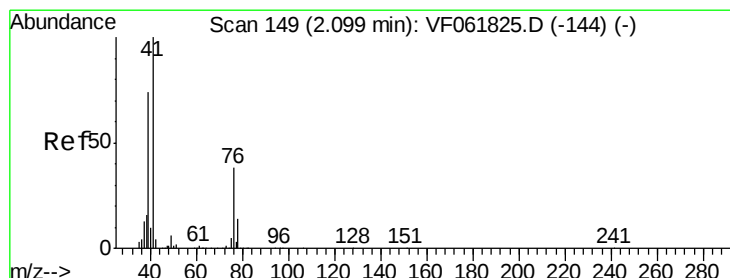
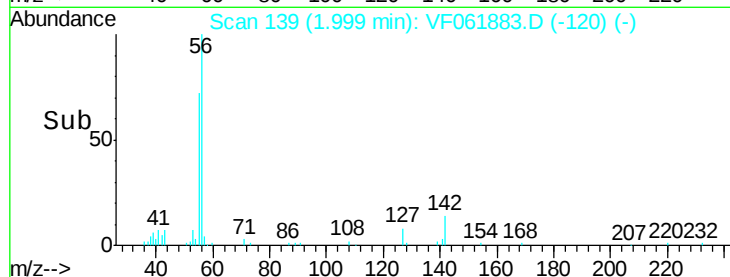
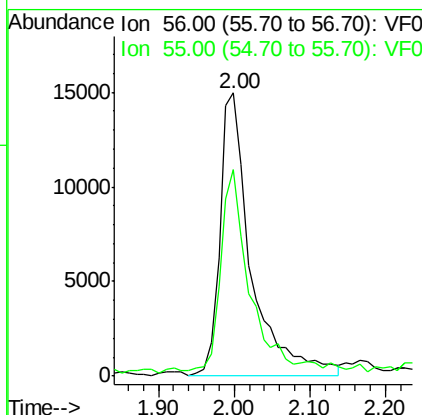
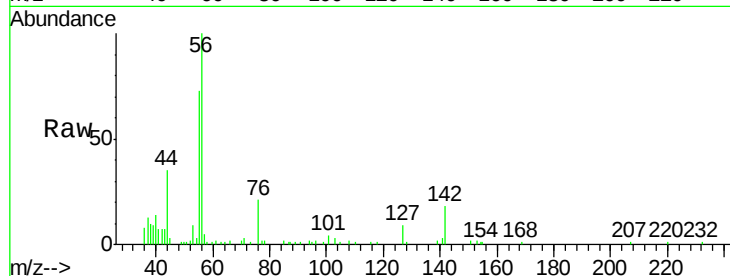




#13
 Acrolein
 Concen: 287.722 ug/l
 RT: 2.00 min Scan# 139
 Delta R.T. -0.01 min
 Lab File: VF061883.D
 Acq: 11 Mar 2019 11:06

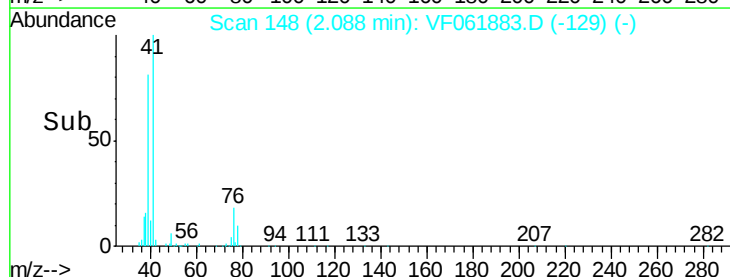
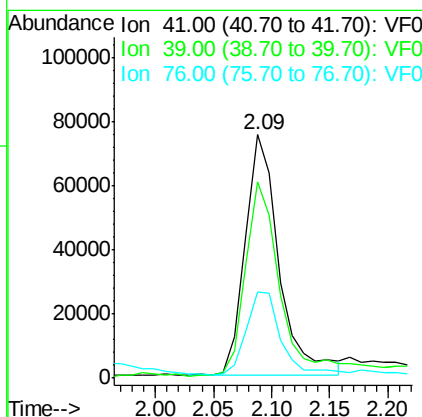
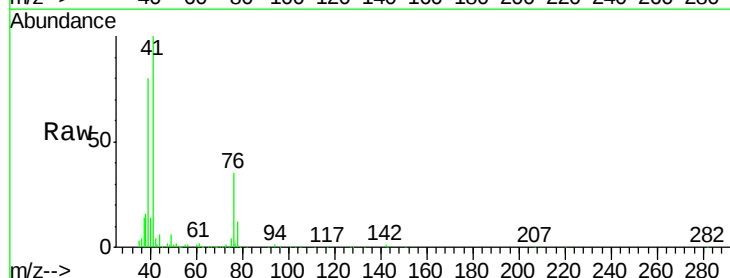
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

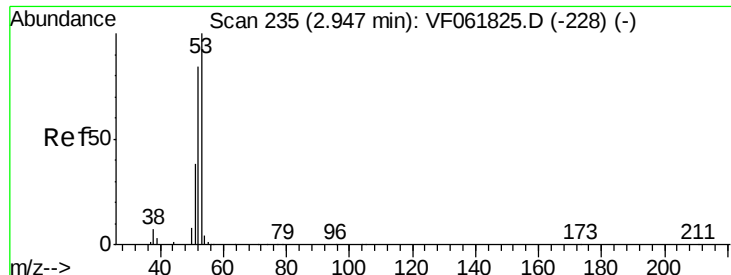
Tot Ion: 56 Resp: 43175
 Ion Ratio Lower Upper
 56 100
 55 73.1 51.3 76.9



#14
 Allyl chloride
 Concen: 56.288 ug/l
 RT: 2.09 min Scan# 148
 Delta R.T. -0.01 min
 Lab File: VF061883.D
 Acq: 11 Mar 2019 11:06

Tgt Ion: 41 Resp: 151944
 Ion Ratio Lower Upper
 41 100
 39 80.4 59.6 89.4
 76 35.3 32.3 48.5





#15

Acrylonitrile

Concen: 236.451 ug/l

RT: 2.94 min Scan# 234

Delta R.T. -0.01 min

Lab File: VF061883.D

Acq: 11 Mar 2019 11:06

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

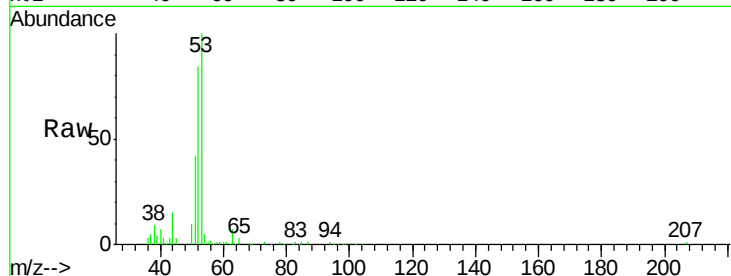
Tot Ion: 53 Resp: 89165

Ion Ratio Lower Upper

53 100

52 84.5 67.4 101.0

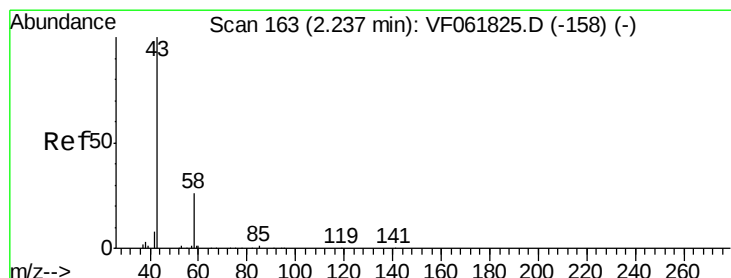
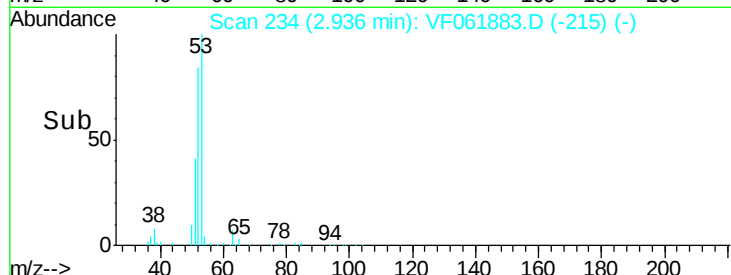
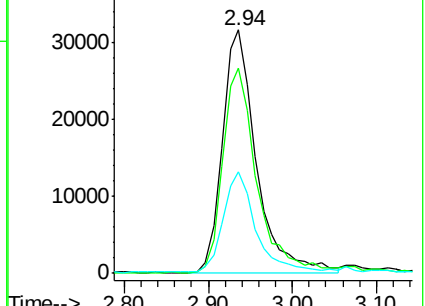
51 41.7 30.7 46.1



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 304.756 ug/l

RT: 2.24 min Scan# 163

Delta R.T. -0.00 min

Lab File: VF061883.D

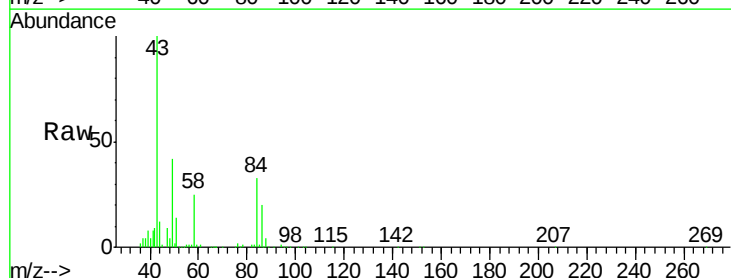
Acq: 11 Mar 2019 11:06

Tgt Ion: 43 Resp: 133194

Ion Ratio Lower Upper

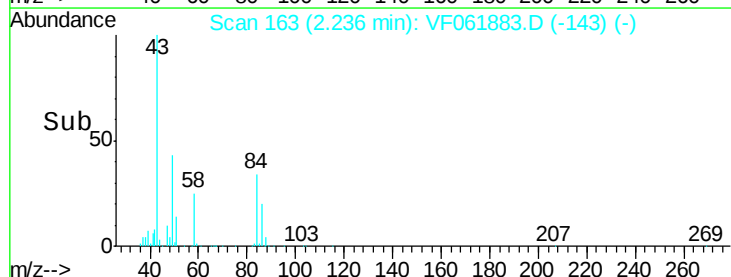
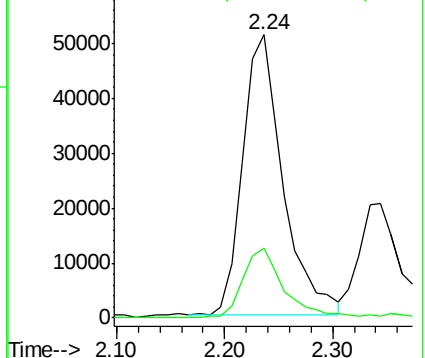
43 100

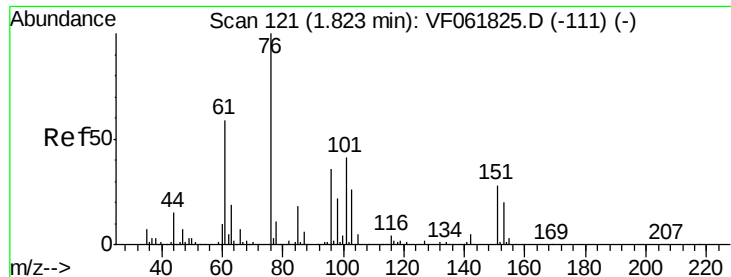
58 24.6 20.3 30.5



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

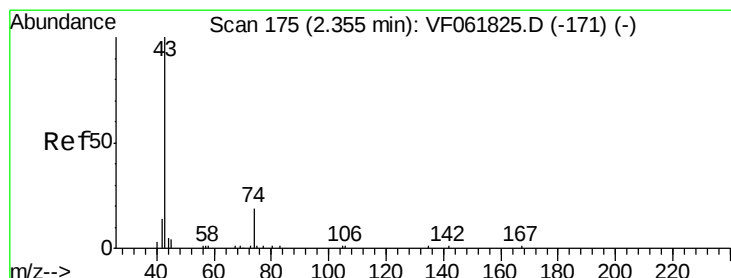
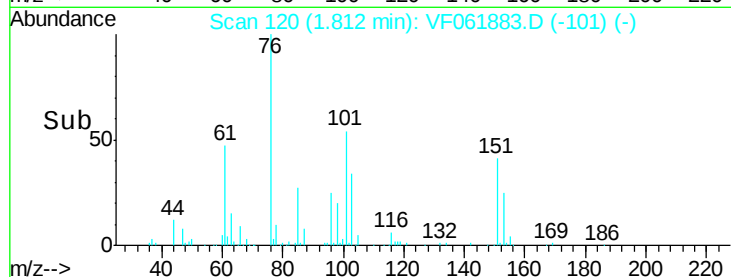
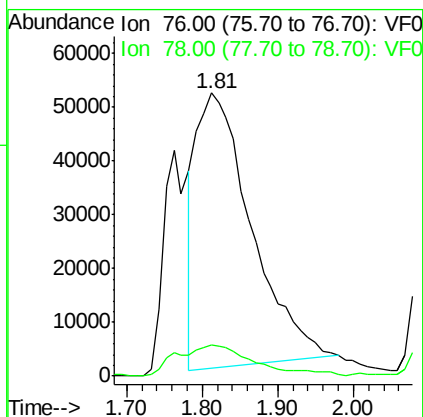
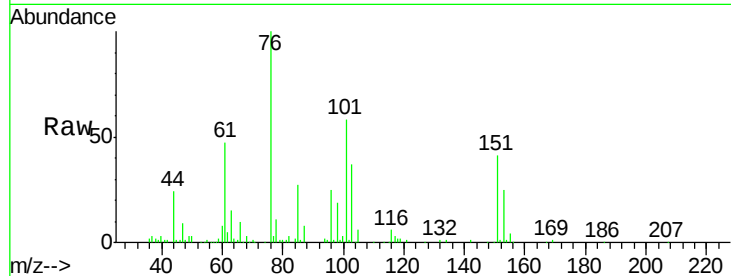




#17
Carbon Disulfide
Concen: 33.846 ug/l
RT: 1.81 min Scan# 120
Delta R.T. -0.01 min
Lab File: VF061883.D
Acq: 11 Mar 2019 11:06

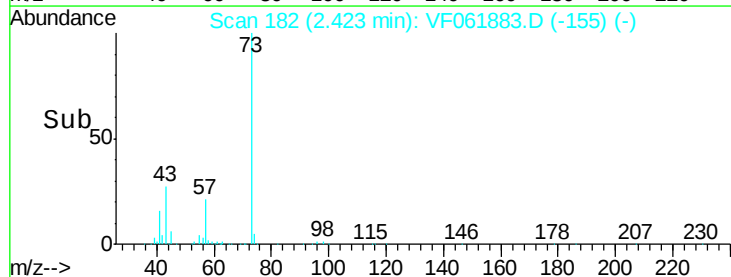
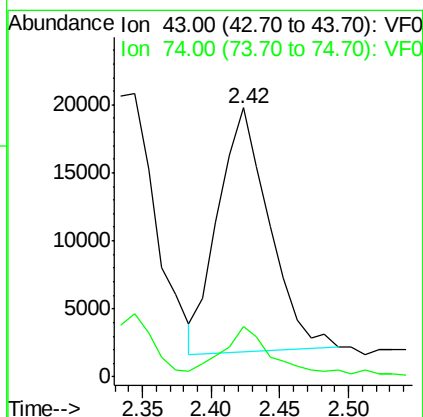
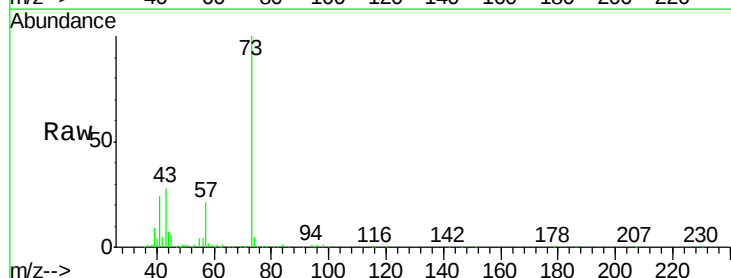
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

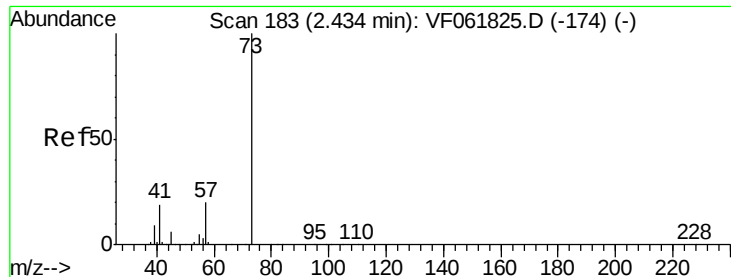
Tot Ion: 76 Resp: 258153
Ion Ratio Lower Upper
76 100
78 11.0 9.1 13.7



#18
Methyl Acetate
Concen: 55.149 ug/l
RT: 2.42 min Scan# 182
Delta R.T. 0.07 min
Lab File: VF061883.D
Acq: 11 Mar 2019 11:06

Tgt Ion: 43 Resp: 46511
Ion Ratio Lower Upper
43 100
74 18.8 13.2 19.8



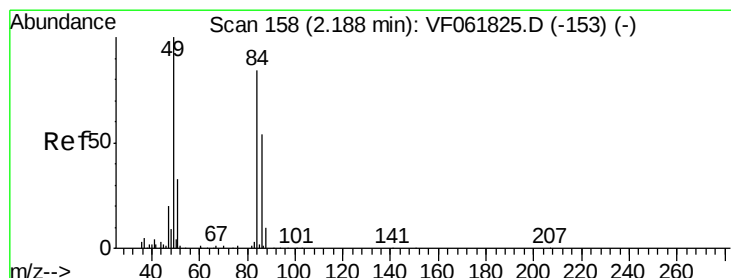
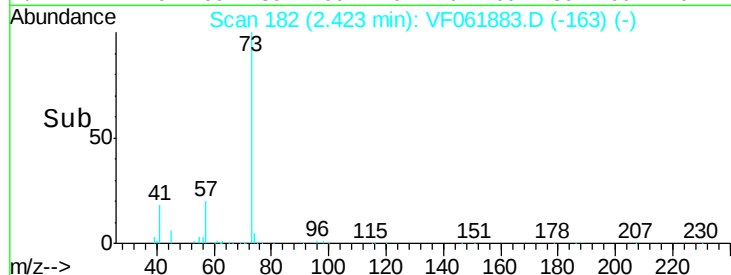
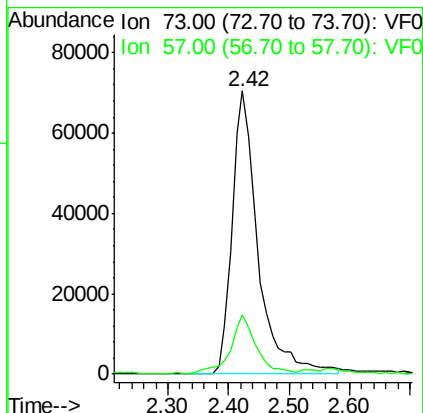
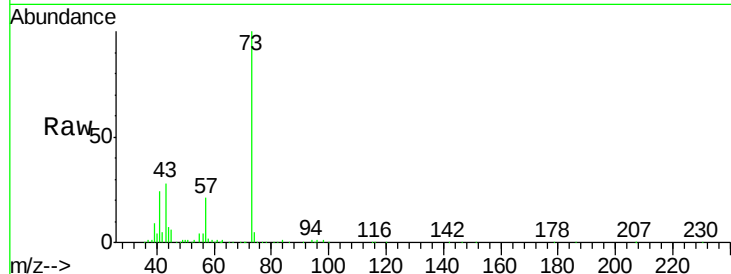


#19

Methyl tert-butyl Ether
 Concen: 50.711 ug/l
 RT: 2.42 min Scan# 182
 Delta R.T. -0.01 min
 Lab File: VF061883.D
 Acq: 11 Mar 2019 11:06

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

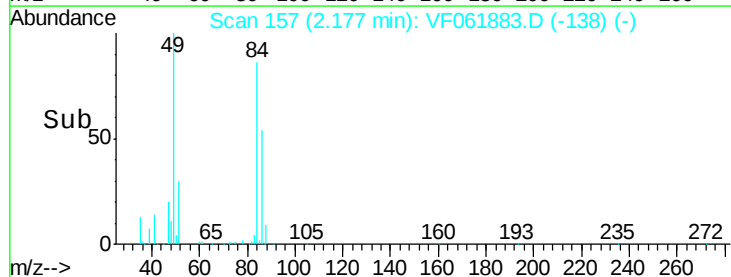
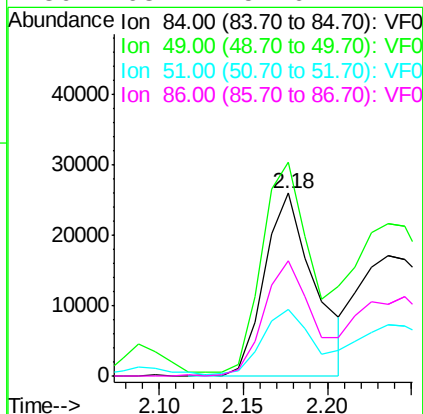
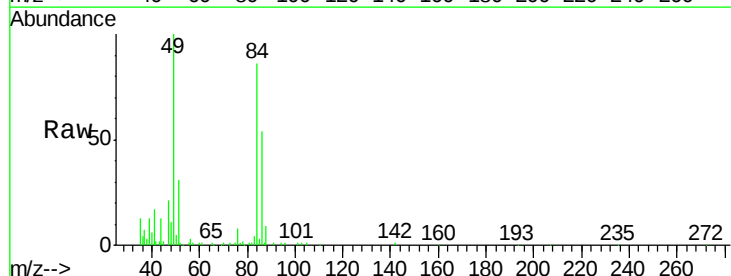
Tot Ion: 73 Resp: 210199
 Ion Ratio Lower Upper
 73 100
 57 21.0 16.1 24.1

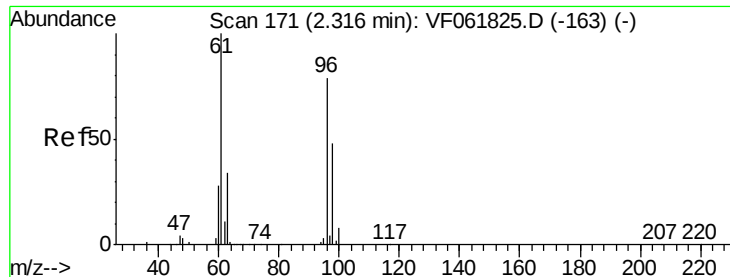


#20

Methylene Chloride
 Concen: 18.803 ug/l
 RT: 2.18 min Scan# 157
 Delta R.T. -0.01 min
 Lab File: VF061883.D
 Acq: 11 Mar 2019 11:06

Tgt Ion: 84 Resp: 53624
 Ion Ratio Lower Upper
 84 100
 49 116.7 96.8 145.2
 51 36.1 31.8 47.6
 86 63.2 51.6 77.4





#21

trans-1,2-Dichloroethene

Concen: 52.643 ug/l

RT: 2.30 min Scan# 170

Delta R.T. -0.01 min

Lab File: VF061883.D

Acq: 11 Mar 2019 11:06

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

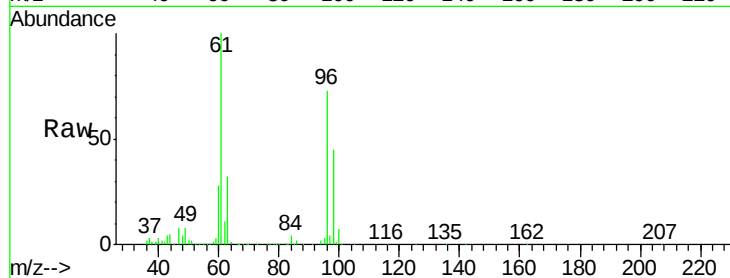
Tot Ion: 96 Resp: 121402

Ion Ratio Lower Upper

96 100

61 137.6 101.0 151.6

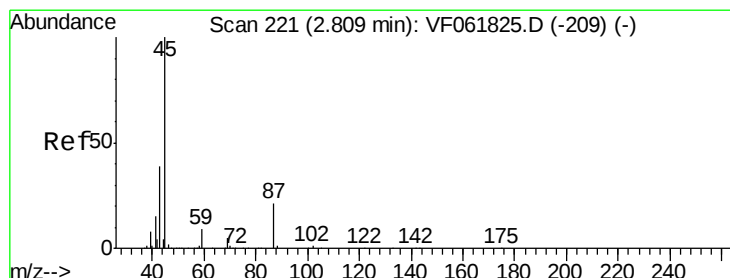
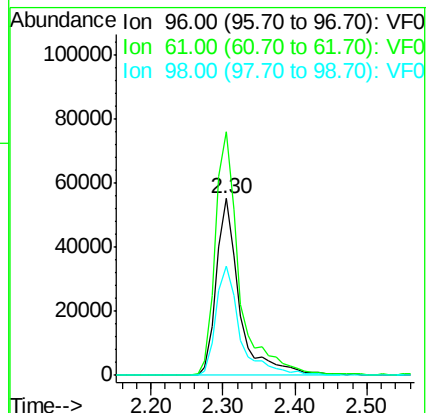
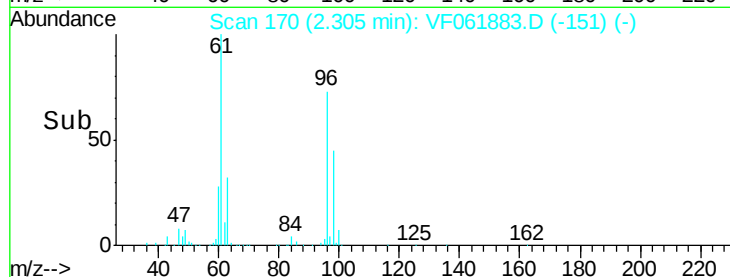
98 61.9 48.8 73.2



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: 51.840 ug/l

RT: 2.79 min Scan# 219

Delta R.T. -0.02 min

Lab File: VF061883.D

Acq: 11 Mar 2019 11:06

Tgt Ion: 45 Resp: 364013

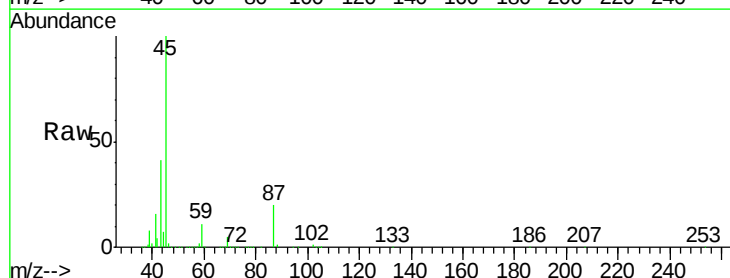
Ion Ratio Lower Upper

45 100

43 40.5 31.8 47.8

87 19.9 17.1 25.7

59 11.1 7.8 11.6

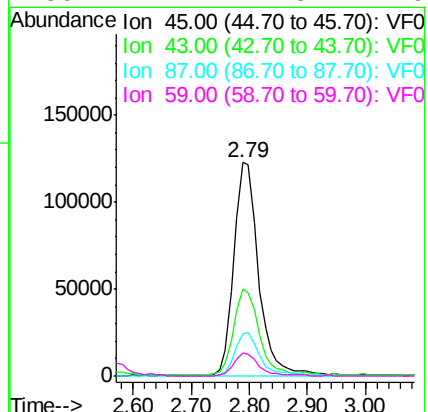
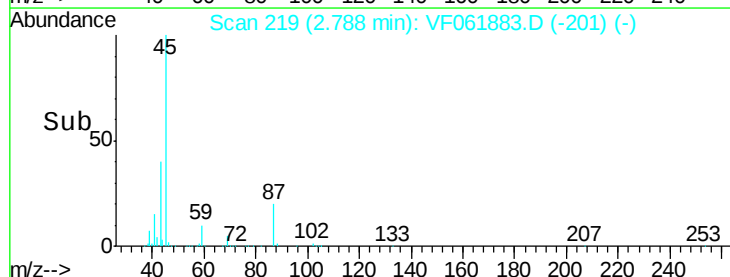


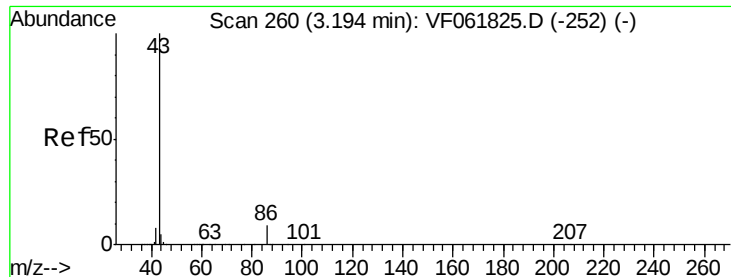
Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0

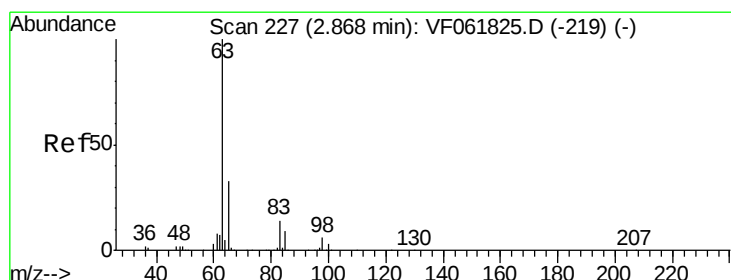
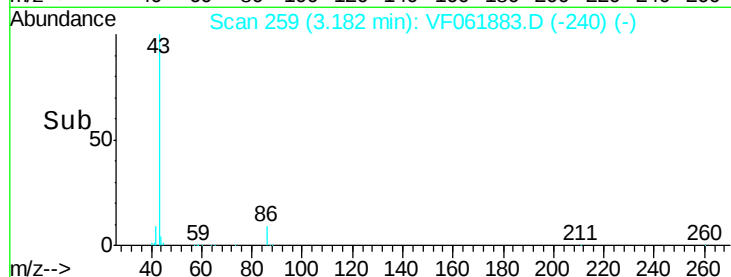
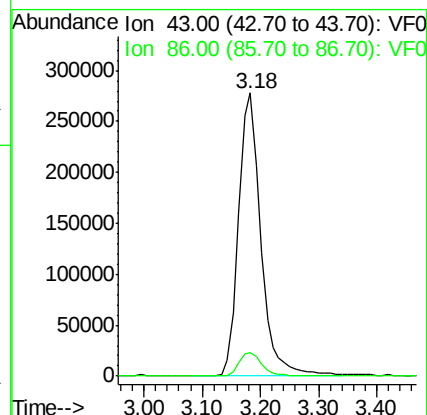
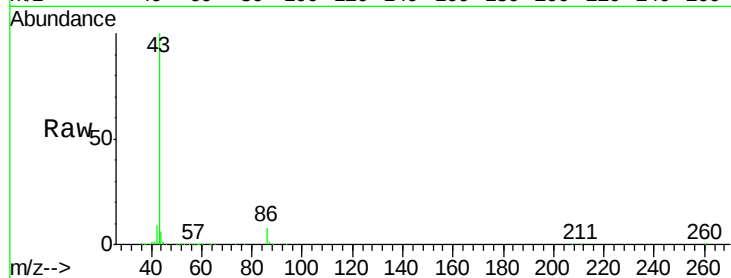




#23
 Vinyl Acetate
 Concen: 235.353 ug/l
 RT: 3.18 min Scan# 259
 Delta R.T. -0.01 min
 Lab File: VF061883.D
 Acq: 11 Mar 2019 11:06

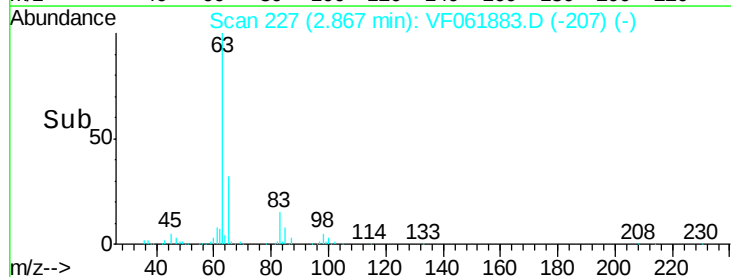
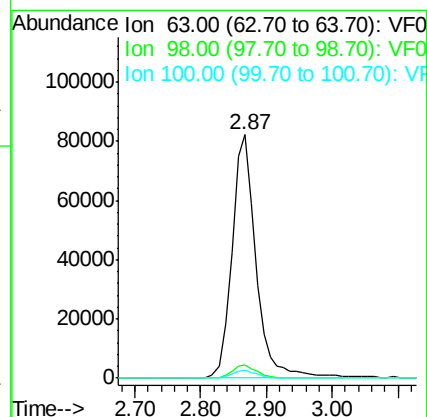
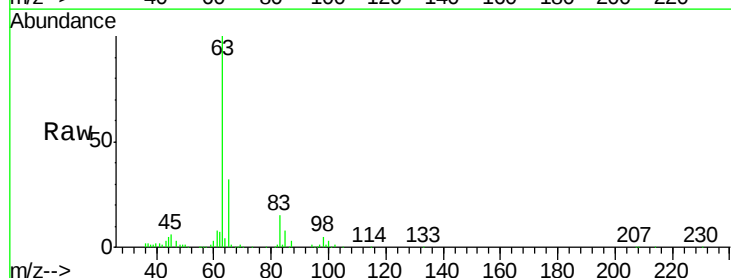
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

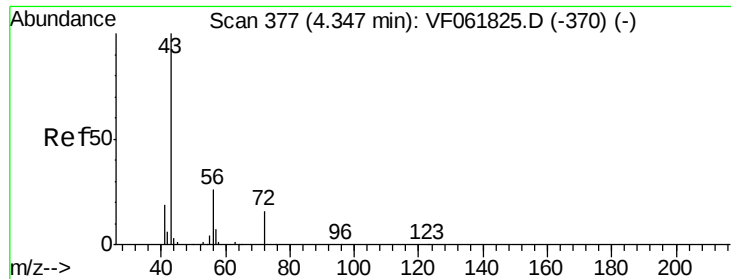
Tot Ion: 43 Resp: 738281
 Ion Ratio Lower Upper
 43 100
 86 8.5 7.0 10.4



#24
 1,1-Dichloroethane
 Concen: 50.106 ug/l
 RT: 2.87 min Scan# 227
 Delta R.T. -0.00 min
 Lab File: VF061883.D
 Acq: 11 Mar 2019 11:06

Tgt Ion: 63 Resp: 210299
 Ion Ratio Lower Upper
 63 100
 98 5.3 2.9 8.6
 100 3.3 1.8 5.3





#25

2-Butanone

Concen: 249.278 ug/l

RT: 4.33 min Scan# 375

Delta R.T. -0.02 min

Lab File: VF061883.D

Acq: 11 Mar 2019 11:06

Instrument :

MSVOA_F

ClientSampleId :

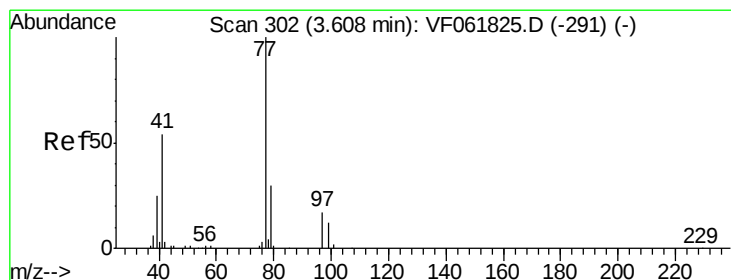
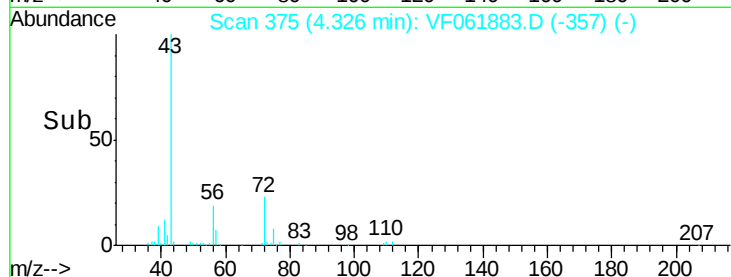
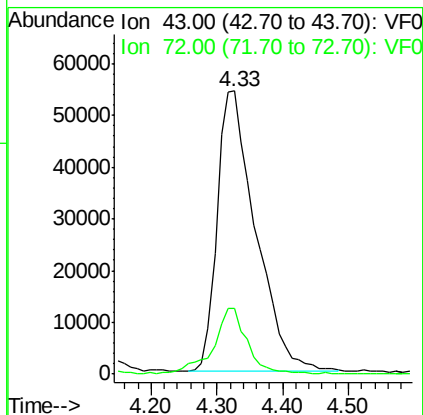
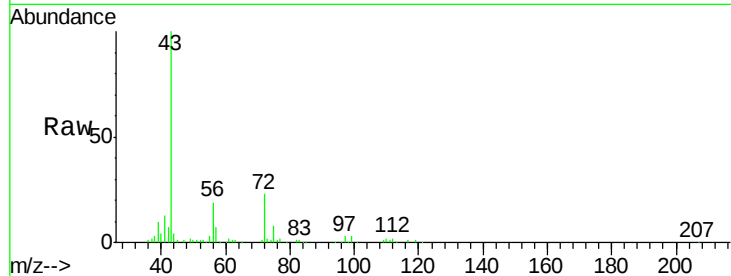
VSTDCCC050

Tot Ion: 43 Resp: 221609

Ion Ratio Lower Upper

43 100

72 23.0 16.2 24.4



#26

2,2-Dichloropropane

Concen: 53.285 ug/l

RT: 3.59 min Scan# 300

Delta R.T. -0.02 min

Lab File: VF061883.D

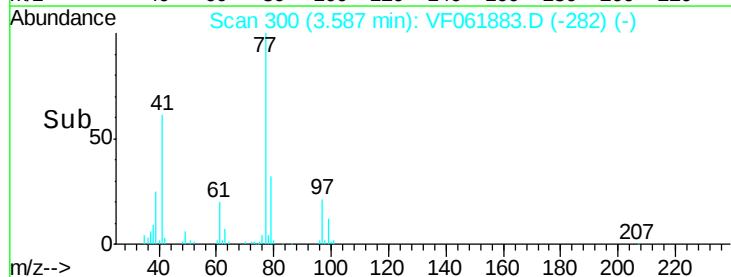
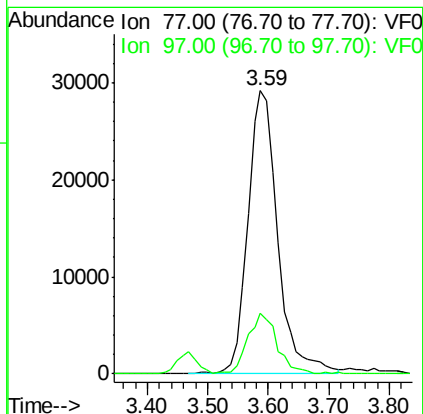
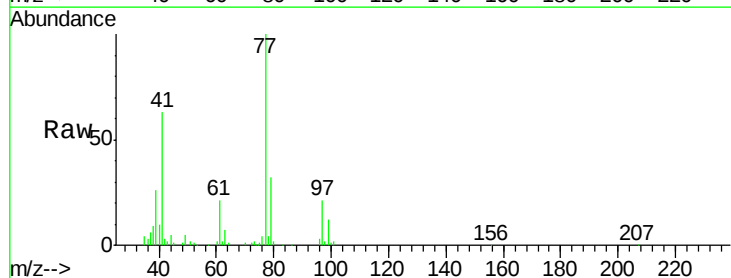
Acq: 11 Mar 2019 11:06

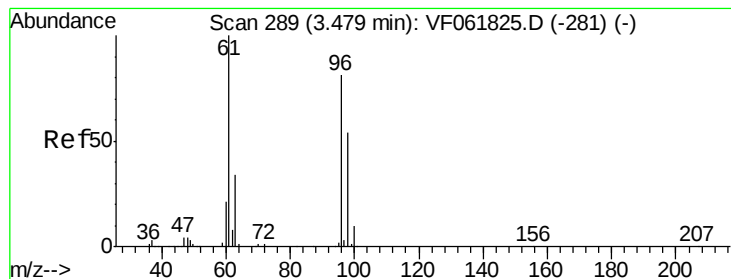
Tgt Ion: 77 Resp: 99836

Ion Ratio Lower Upper

77 100

97 21.4 10.4 31.4





#27

cis-1,2-Dichloroethene

Concen: 51.200 ug/l

RT: 3.47 min Scan# 288

Delta R.T. -0.01 min

Lab File: VF061883.D

Acq: 11 Mar 2019 11:06

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

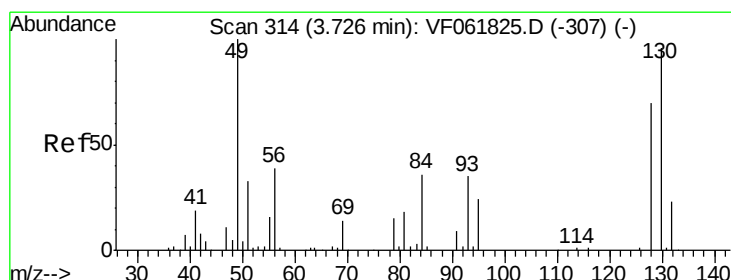
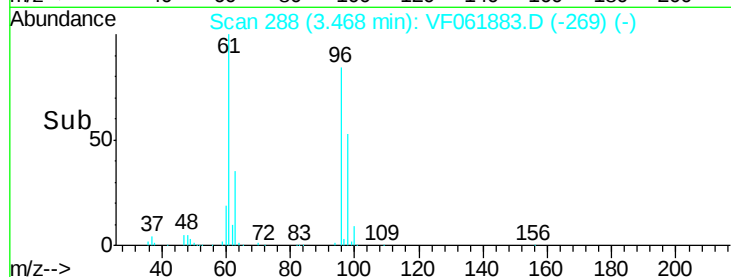
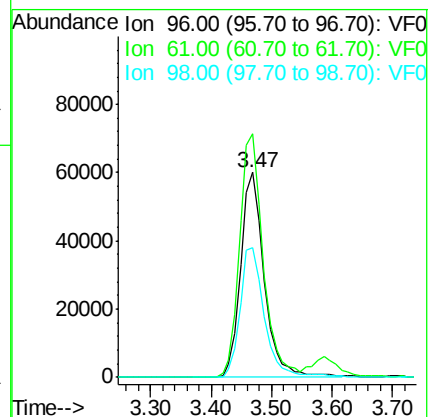
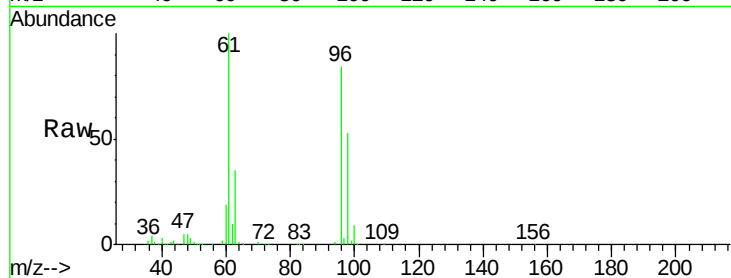
Tot Ion: 96 Resp: 163584

Ion Ratio Lower Upper

96 100

61 119.0 0.0 245.8

98 63.4 0.0 132.6



#28

Bromochloromethane

Concen: 47.748 ug/l

RT: 3.71 min Scan# 312

Delta R.T. -0.02 min

Lab File: VF061883.D

Acq: 11 Mar 2019 11:06

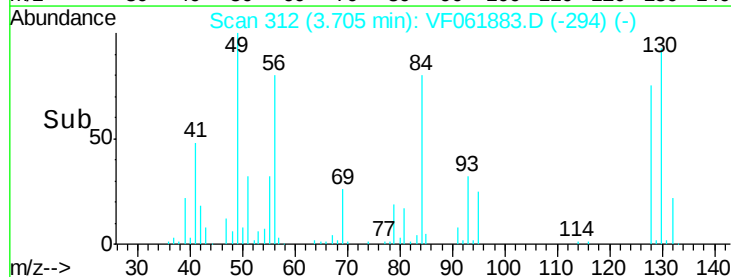
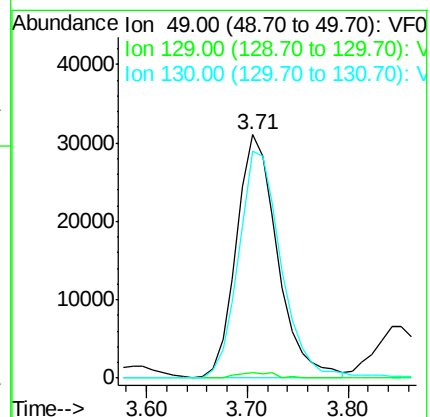
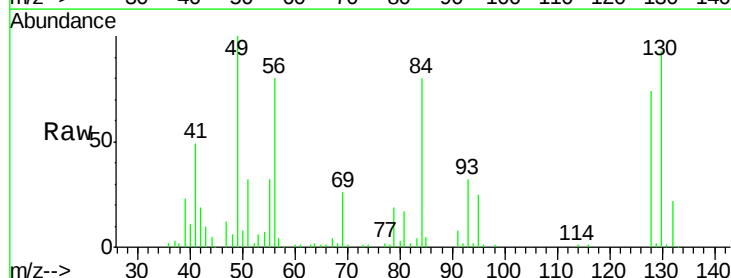
Tgt Ion: 49 Resp: 87356

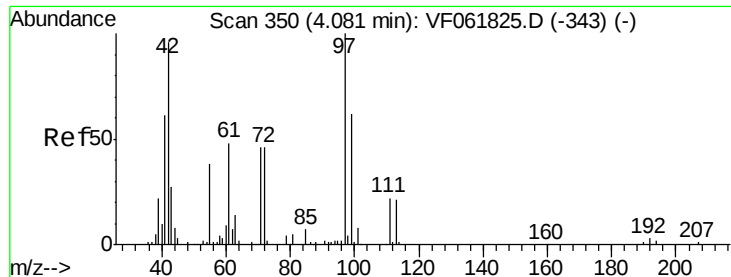
Ion Ratio Lower Upper

49 100

129 2.2 0.0 0.0#

130 93.5 76.9 115.3

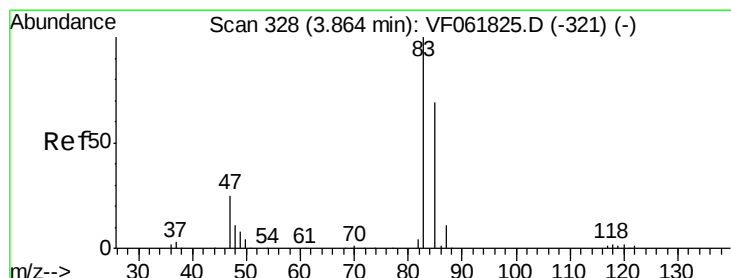
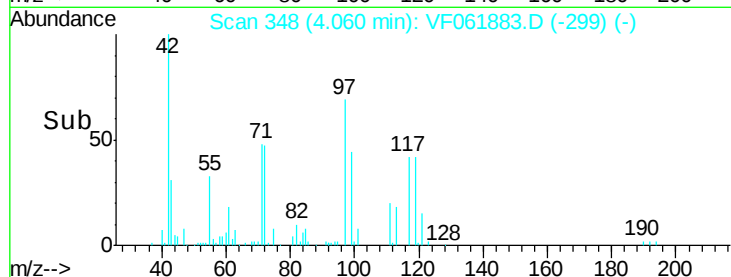
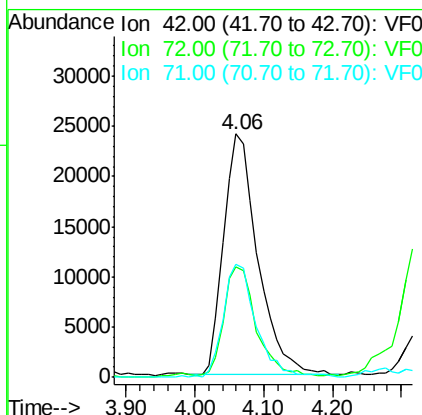
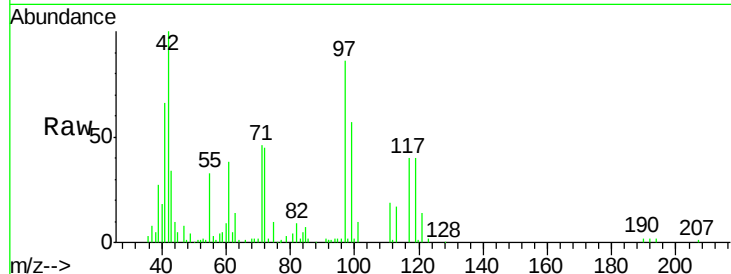




#29
Tetrahydrofuran
Concen: 215.890 ug/l
RT: 4.06 min Scan# 348
Delta R.T. -0.02 min
Lab File: VF061883.D
Acq: 11 Mar 2019 11:06

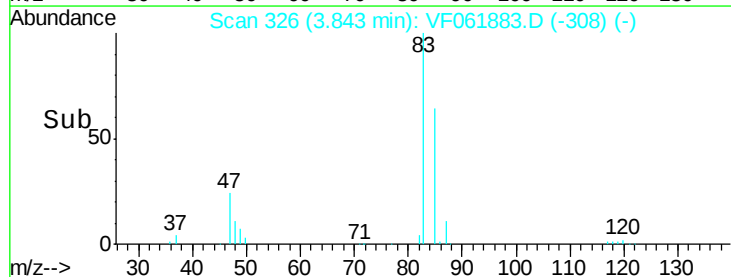
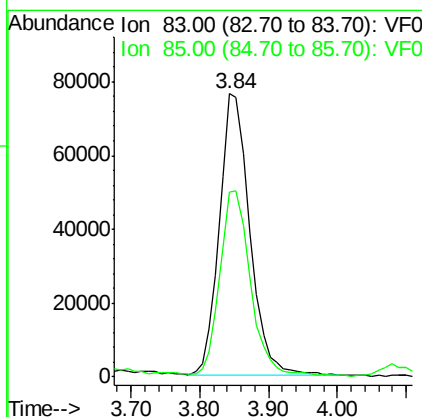
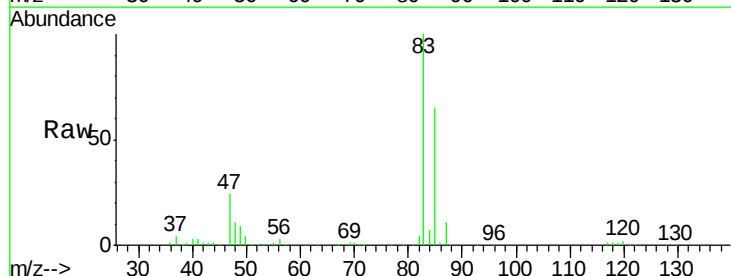
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

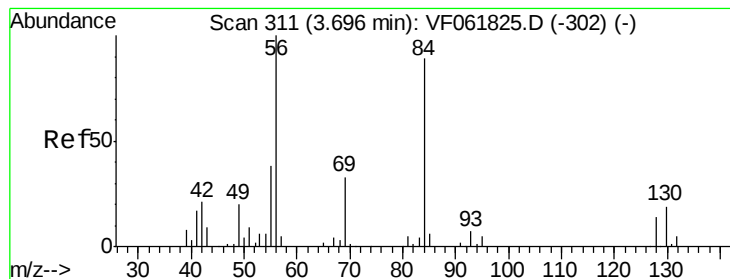
Tot Ion: 42 Resp: 82772
Ion Ratio Lower Upper
42 100
72 43.4 34.4 51.6
71 45.4 34.6 52.0



#30
Chloroform
Concen: 48.794 ug/l
RT: 3.84 min Scan# 326
Delta R.T. -0.02 min
Lab File: VF061883.D
Acq: 11 Mar 2019 11:06

Tgt Ion: 83 Resp: 233916
Ion Ratio Lower Upper
83 100
85 65.4 55.3 82.9





#31

Cyclohexane

Concen: 47.063 ug/l

RT: 3.69 min Scan# 310

Delta R.T. -0.01 min

Lab File: VF061883.D

Acq: 11 Mar 2019 11:06

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

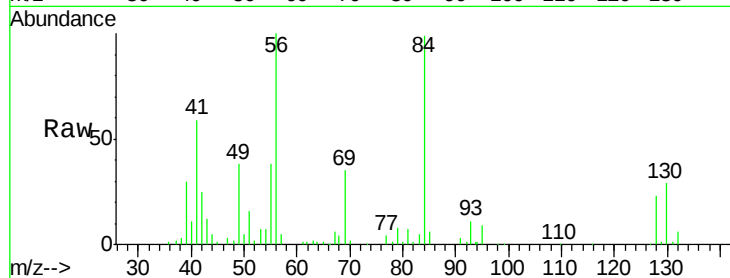
Tot Ion: 56 Resp: 206891

Ion Ratio Lower Upper

56 100

69 34.8 26.0 39.0

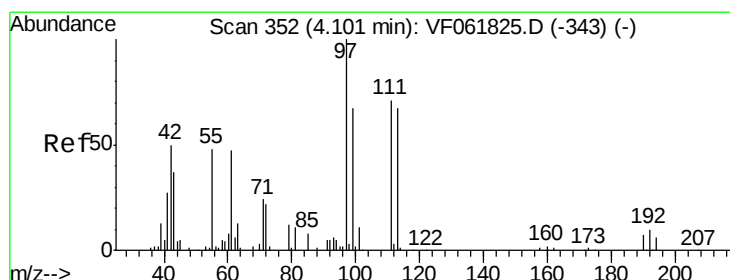
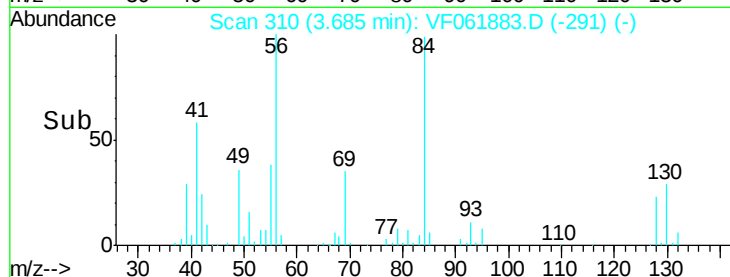
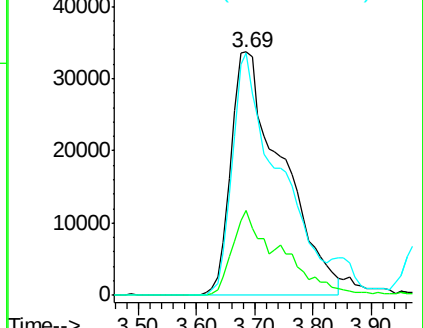
84 99.4 71.0 106.6



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 84.00 (83.70 to 84.70): VF0



#32

1,1,1-Trichloroethane

Concen: 56.461 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.01 min

Lab File: VF061883.D

Acq: 11 Mar 2019 11:06

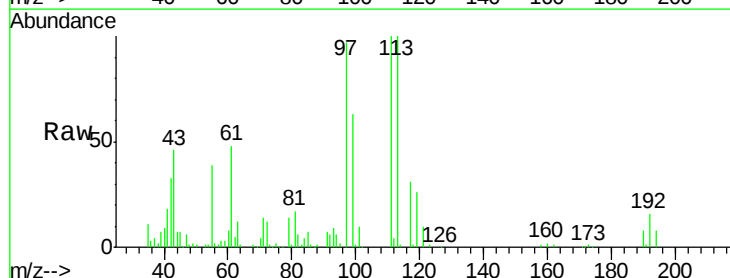
Tgt Ion: 97 Resp: 166838

Ion Ratio Lower Upper

97 100

99 64.8 53.8 80.8

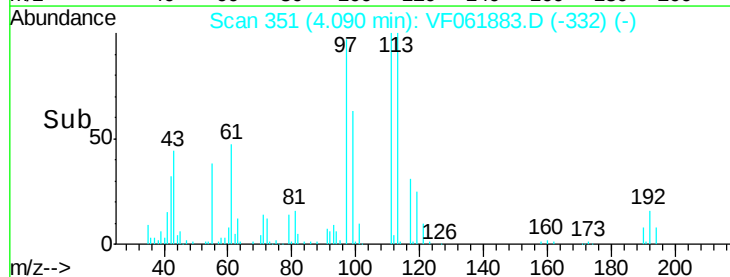
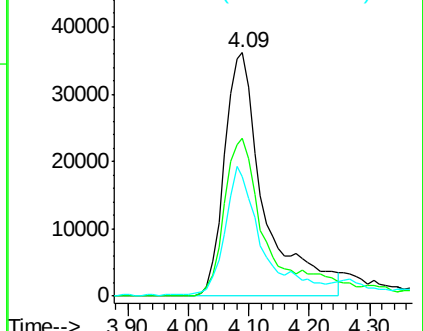
61 48.9 37.9 56.9

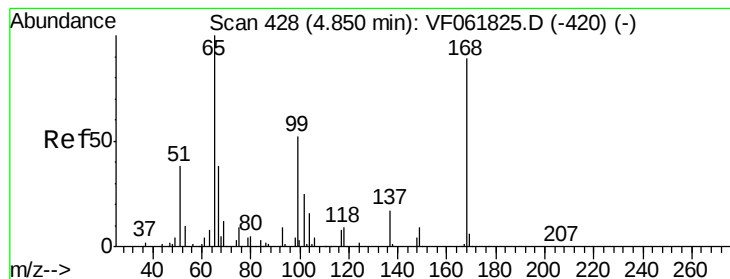


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#33

1,2-Dichloroethane-d4

Concen: 55.968 ug/l

RT: 4.83 min Scan# 426

Delta R.T. -0.02 min

Lab File: VF061883.D

Acq: 11 Mar 2019 11:06

Instrument :

MSVOA_F

ClientSampleId :

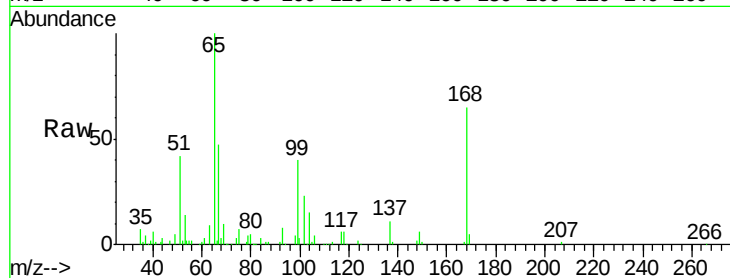
VSTDCCC050

Tot Ion: 65 Resp: 116775

Ion Ratio Lower Upper

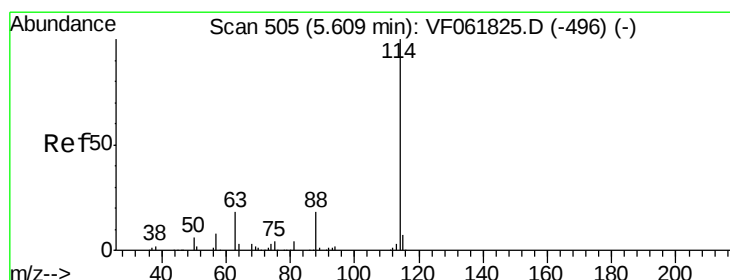
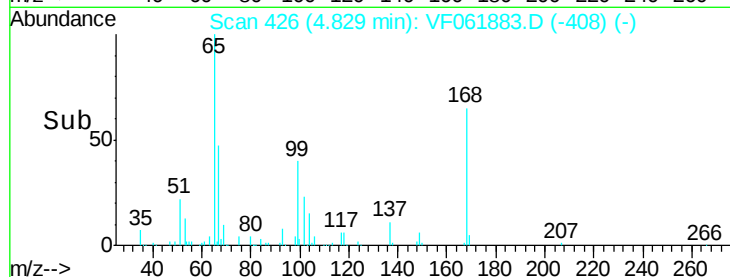
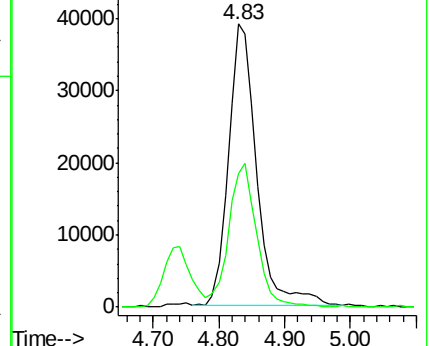
65 100

67 47.1 0.0 108.6



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.59 min Scan# 503

Delta R.T. -0.02 min

Lab File: VF061883.D

Acq: 11 Mar 2019 11:06

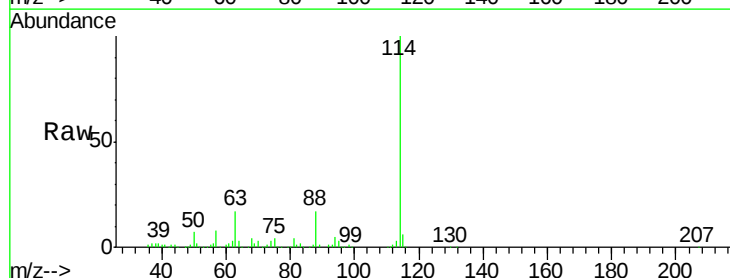
Tgt Ion: 114 Resp: 422803

Ion Ratio Lower Upper

114 100

63 17.3 0.0 35.6

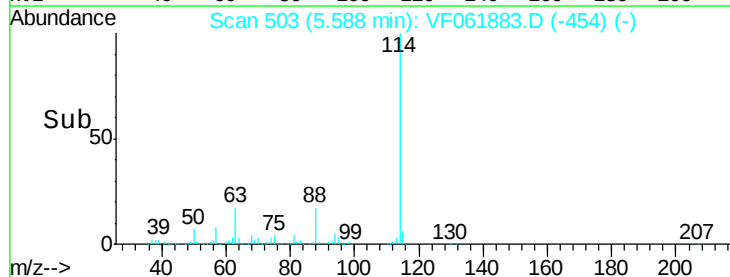
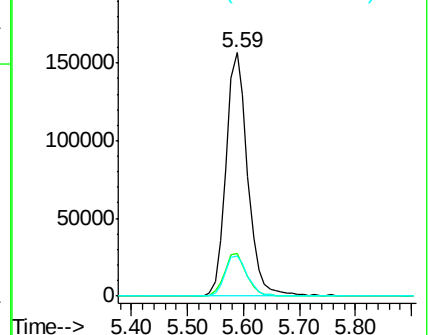
88 16.6 0.0 35.6

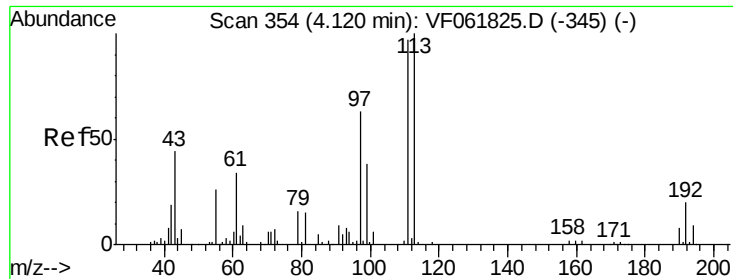


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

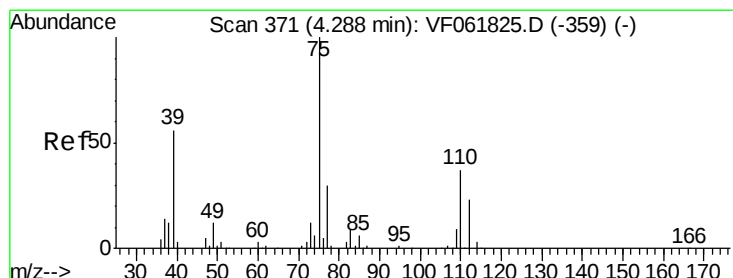
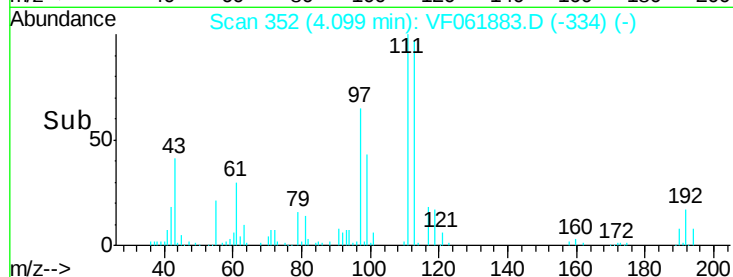
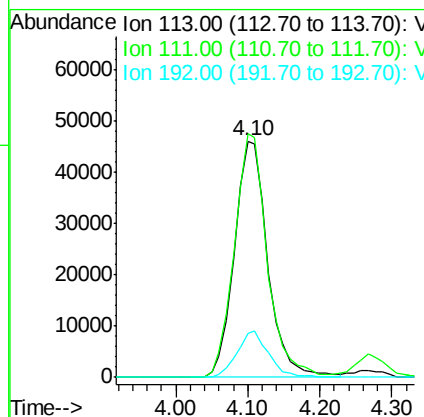
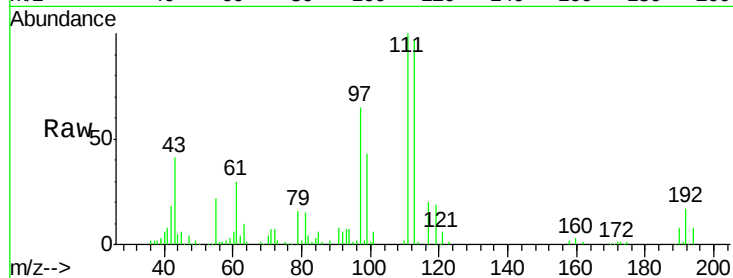




#35
 Dibromofluoromethane
 Concen: 50.297 ug/l
 RT: 4.10 min Scan# 352
 Delta R.T. -0.02 min
 Lab File: VF061883.D
 Acq: 11 Mar 2019 11:06

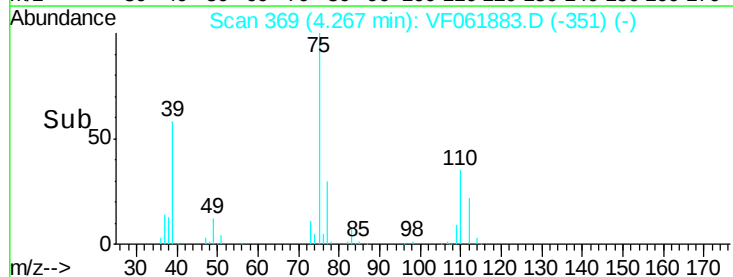
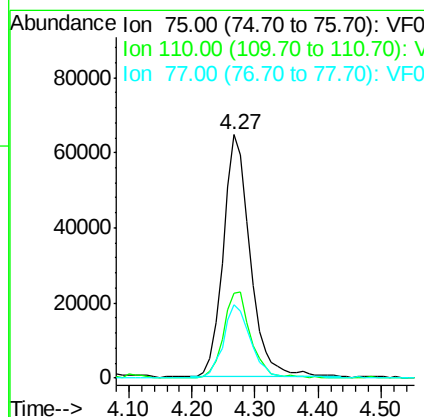
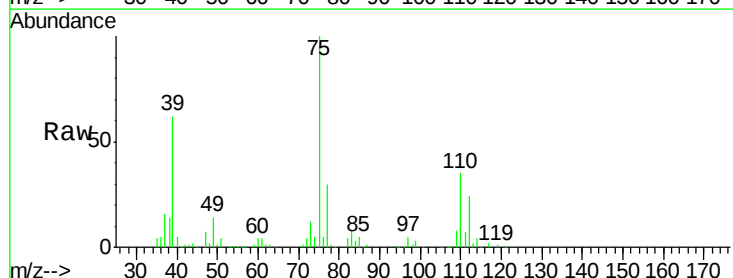
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

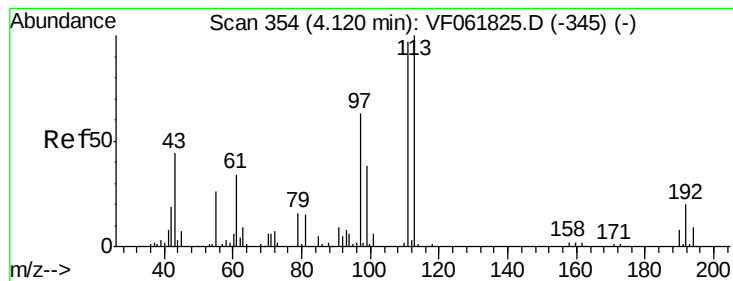
Tot Ion:113 Resp: 148408
 Ion Ratio Lower Upper
 113 100
 111 103.1 77.6 116.4
 192 18.4 15.9 23.9



#36
 1,1-Dichloropropene
 Concen: 47.978 ug/l
 RT: 4.27 min Scan# 369
 Delta R.T. -0.02 min
 Lab File: VF061883.D
 Acq: 11 Mar 2019 11:06

Tgt Ion: 75 Resp: 191617
 Ion Ratio Lower Upper
 75 100
 110 34.9 18.6 55.6
 77 30.1 24.2 36.2





#37

Ethyl Acetate

Concen: 47.767 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.02 min

Lab File: VF061883.D

Acq: 11 Mar 2019 11:06

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

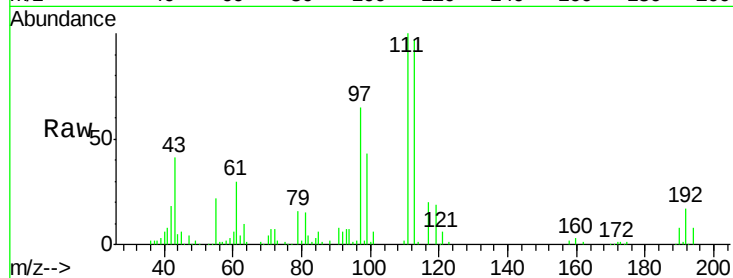
Tot Ion: 43 Resp: 80075

Ion Ratio Lower Upper

43 100

61 73.5 60.7 91.1

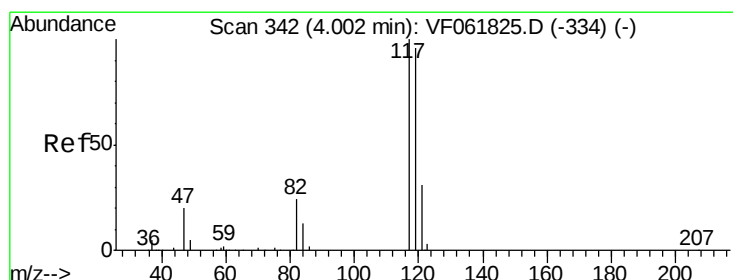
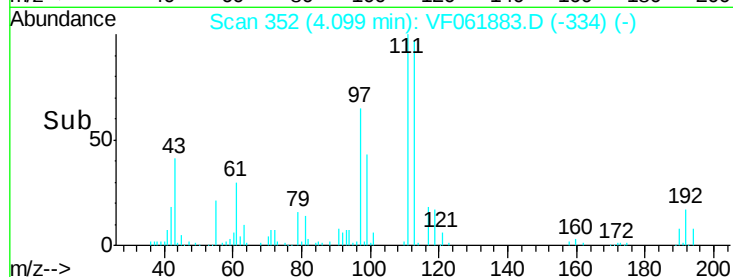
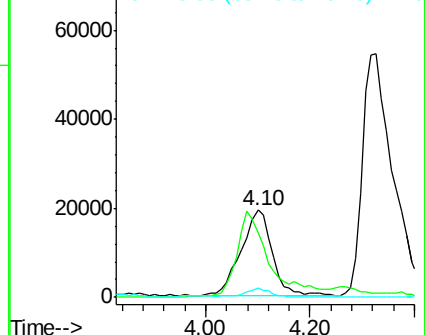
70 10.3 10.6 15.8#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0



#38

Carbon Tetrachloride

Concen: 52.534 ug/l

RT: 3.98 min Scan# 340

Delta R.T. -0.02 min

Lab File: VF061883.D

Acq: 11 Mar 2019 11:06

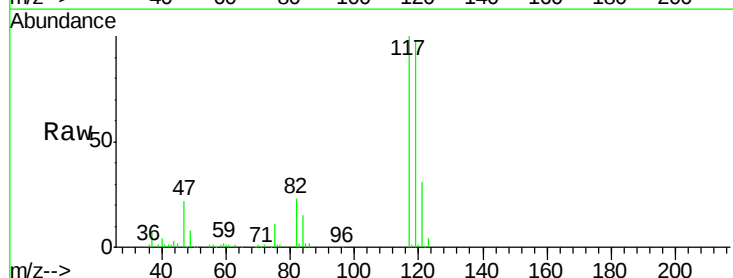
Tgt Ion: 117 Resp: 148526

Ion Ratio Lower Upper

117 100

119 97.7 76.6 114.8

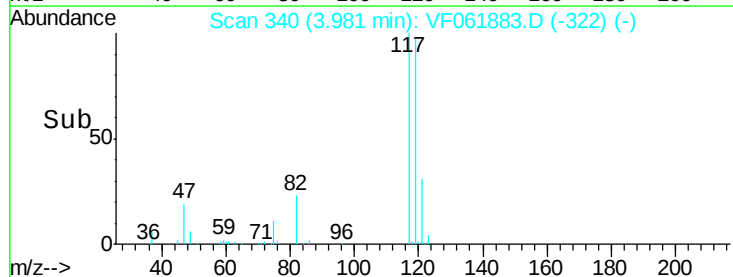
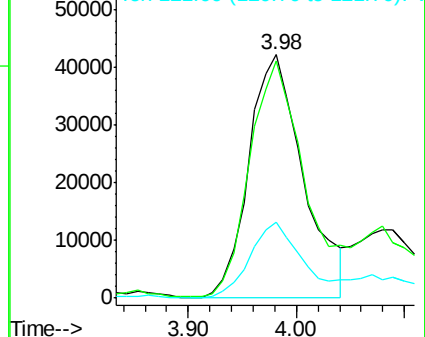
121 31.6 24.4 36.6

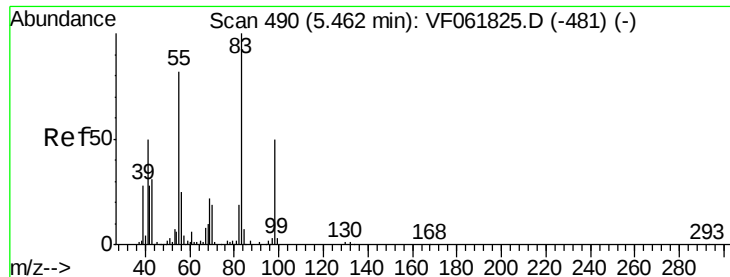


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V

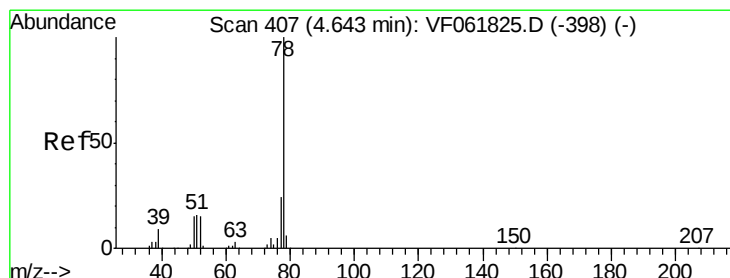
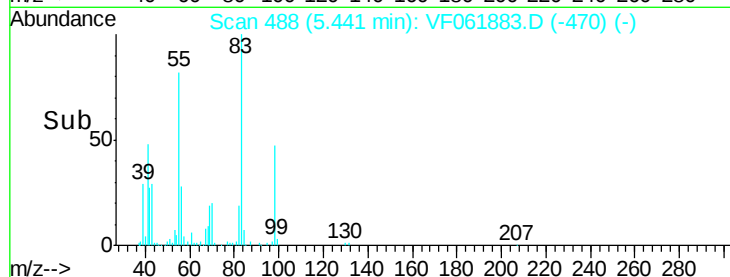
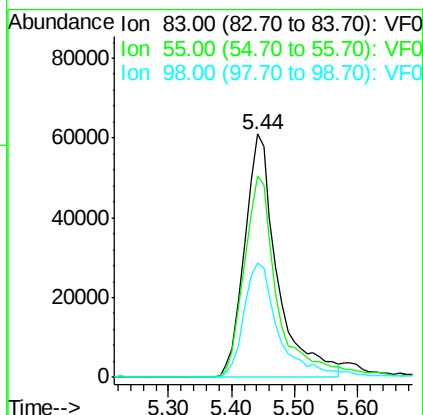
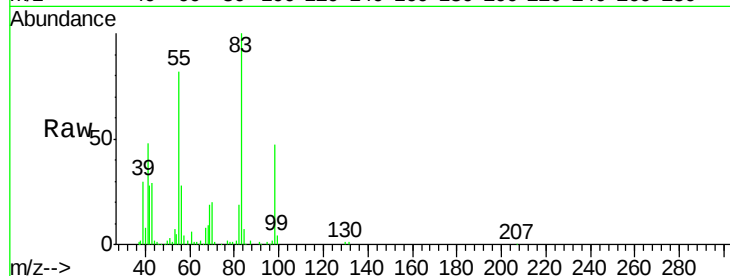




#39
Methvlcvclohexane
Concen: 46.752 ug/l
RT: 5.44 min Scan# 488
Delta R.T. -0.02 min
Lab File: VF061883.D
Acq: 11 Mar 2019 11:06

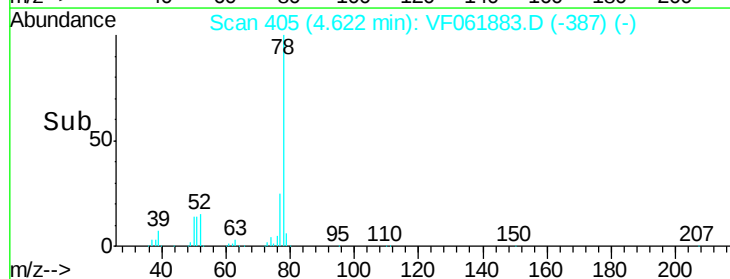
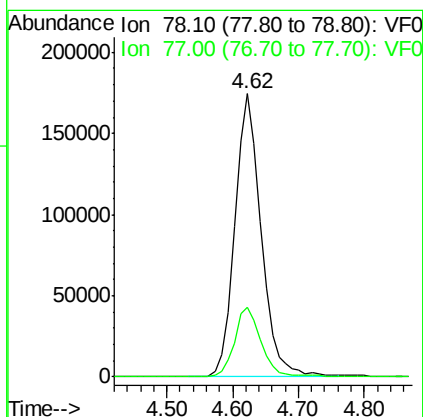
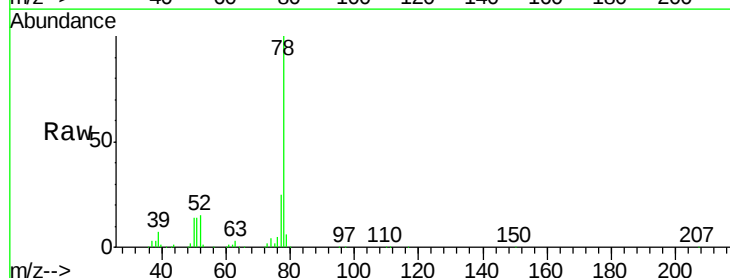
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

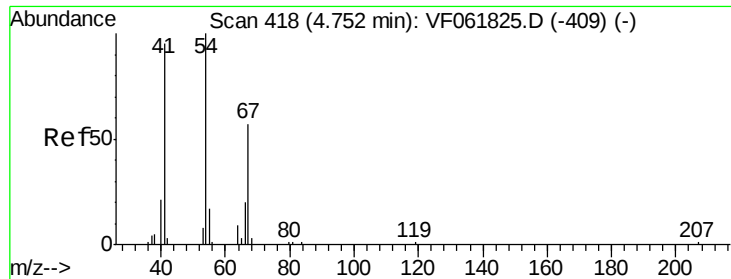
Tot Ion: 83 Resp: 220546
Ion Ratio Lower Upper
83 100
55 82.5 66.0 99.0
98 46.8 39.8 59.6



#40
Benzene
Concen: 47.105 ug/l
RT: 4.62 min Scan# 405
Delta R.T. -0.02 min
Lab File: VF061883.D
Acq: 11 Mar 2019 11:06

Tgt Ion: 78 Resp: 491756
Ion Ratio Lower Upper
78 100
77 24.8 19.5 29.3

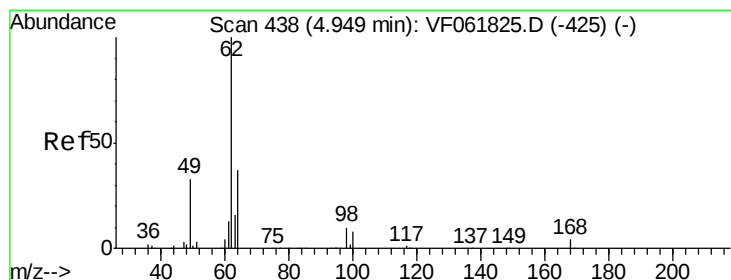
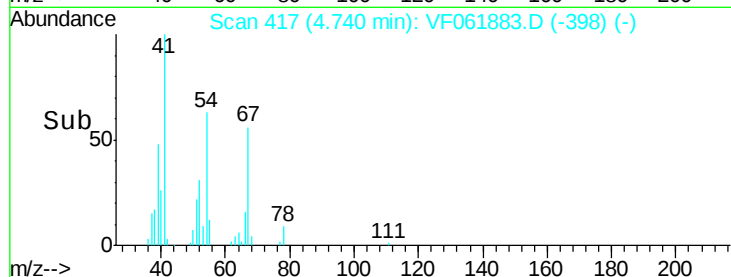
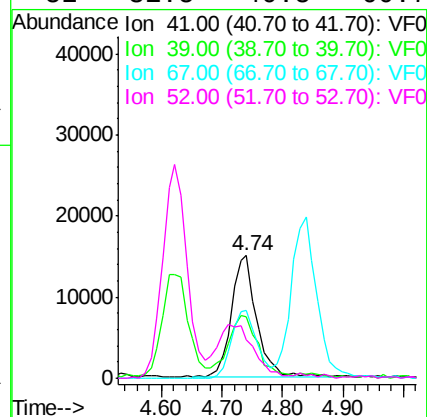
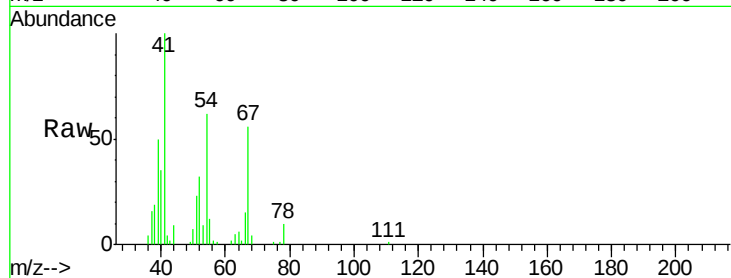




#41
Methacrylonitrile
Concen: 46.653 ug/l
RT: 4.74 min Scan# 417
Delta R.T. -0.01 min
Lab File: VF061883.D
Acq: 11 Mar 2019 11:06

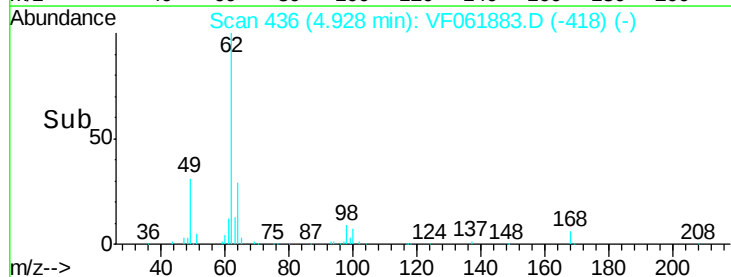
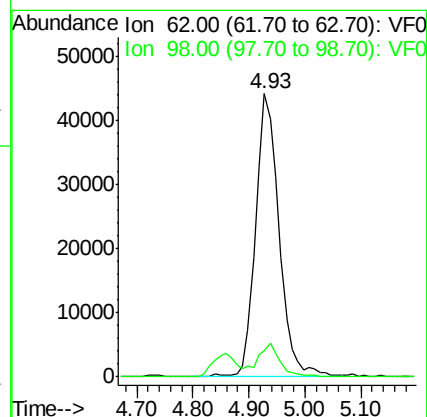
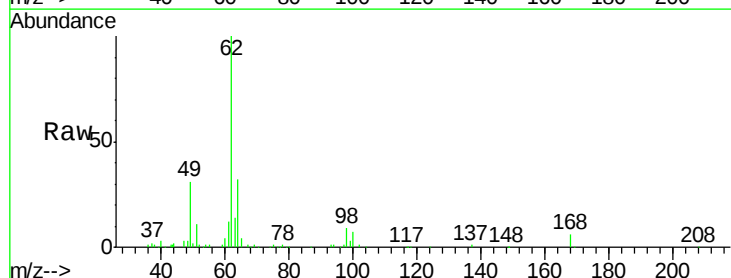
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

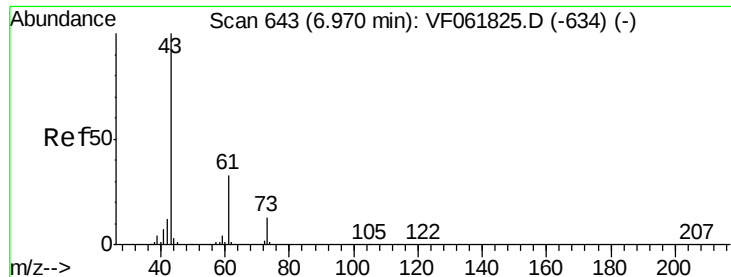
Tot Ion:	41	Resp:	42849
Ion	Ratio	Lower	Upper
41	100		
39	50.0	43.0	64.6
67	55.8	47.8	71.8
52	31.5	40.5	60.7#



#42
1,2-Dichloroethane
Concen: 49.516 ug/l
RT: 4.93 min Scan# 436
Delta R.T. -0.02 min
Lab File: VF061883.D
Acq: 11 Mar 2019 11:06

Tgt Ion:	62	Resp:	128821
Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	21.0



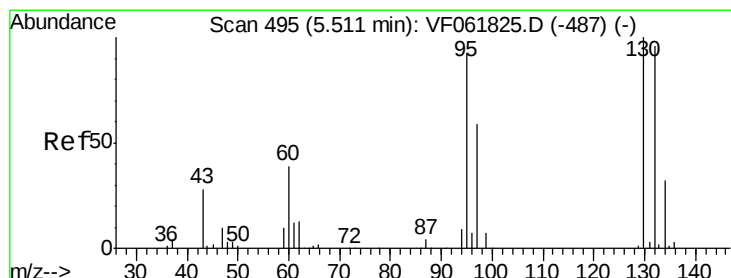
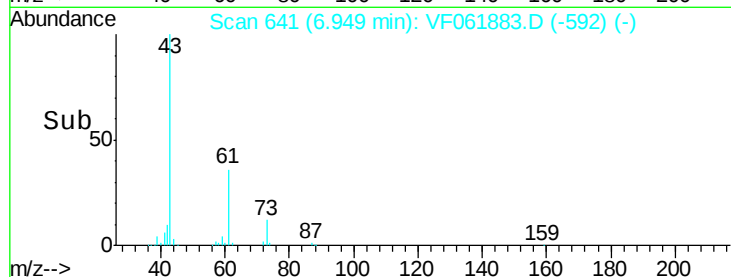
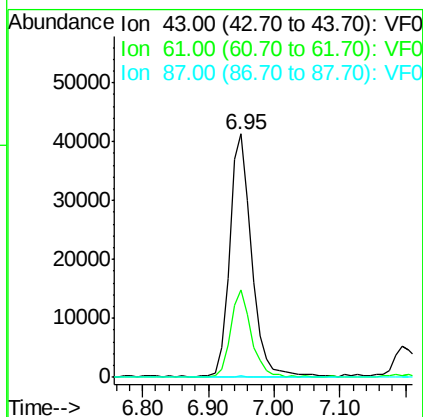
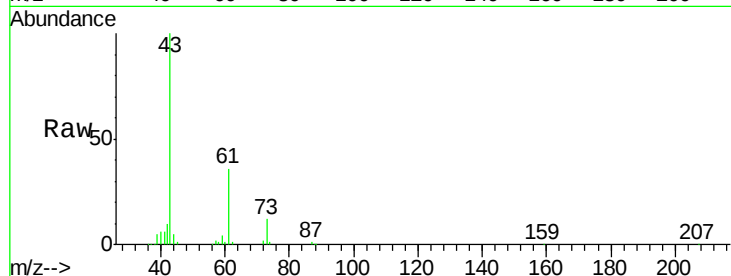


#43

Isopropyl Acetate
 Concen: 46.451 ug/l
 RT: 6.95 min Scan# 641
 Delta R.T. -0.02 min
 Lab File: VF061883.D
 Acq: 11 Mar 2019 11:06

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

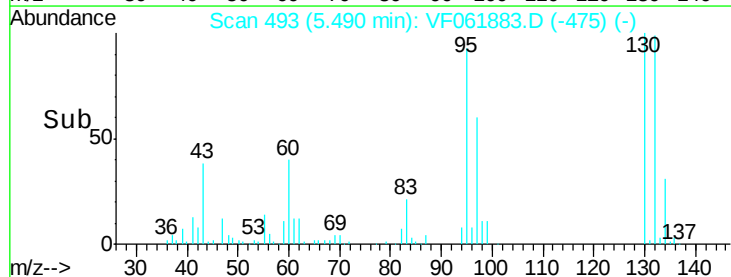
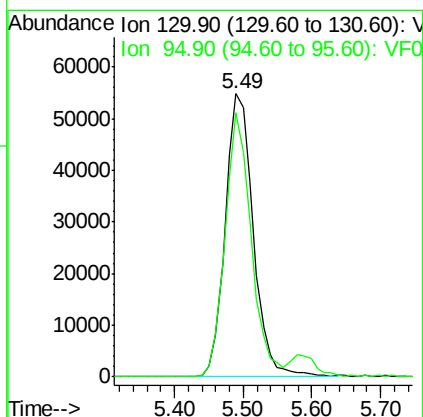
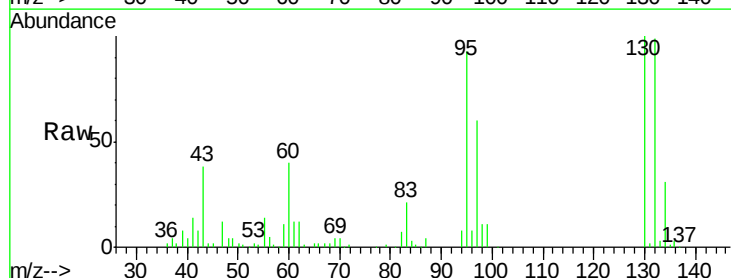
Tot Ion: 43 Resp: 95985
 Ion Ratio Lower Upper
 43 100
 61 35.8 26.1 39.1
 87 0.6 0.0 0.0#

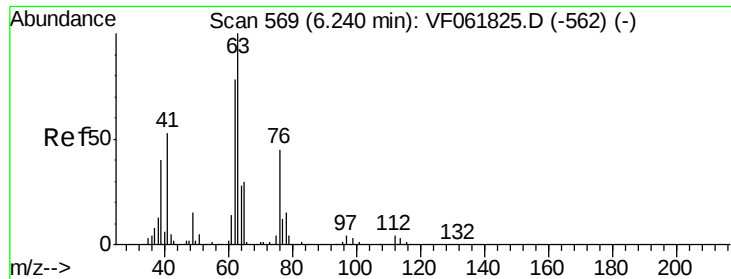


#44

Trichloroethene
 Concen: 47.745 ug/l
 RT: 5.49 min Scan# 493
 Delta R.T. -0.02 min
 Lab File: VF061883.D
 Acq: 11 Mar 2019 11:06

Tgt Ion: 130 Resp: 154896
 Ion Ratio Lower Upper
 130 100
 95 93.2 0.0 184.0





#45

1,2-Dichloropropane

Concen: 45.024 ug/l

RT: 6.23 min Scan# 568

Delta R.T. -0.01 min

Lab File: VF061883.D

Acq: 11 Mar 2019 11:06

Instrument :

MSVOA_F

ClientSampleId :

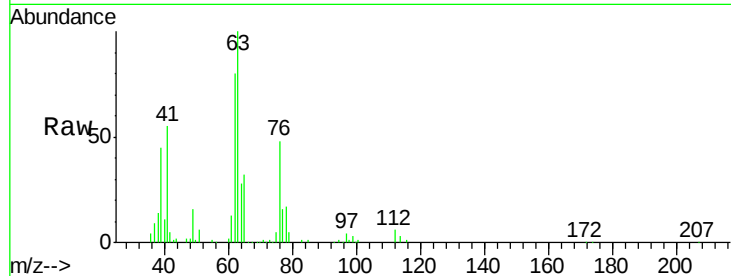
VSTDCCC050

Tot Ion: 63 Resp: 111768

Ion Ratio Lower Upper

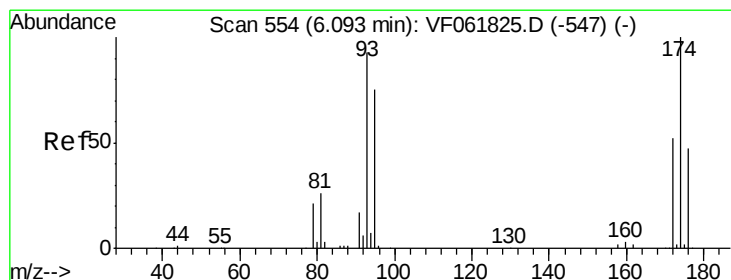
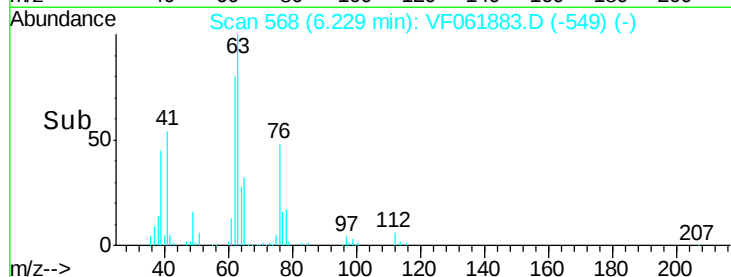
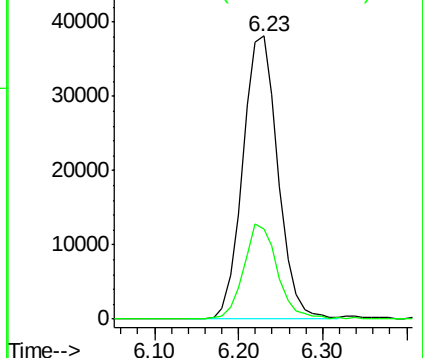
63 100

65 31.9 24.0 36.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 48.809 ug/l

RT: 6.07 min Scan# 552

Delta R.T. -0.02 min

Lab File: VF061883.D

Acq: 11 Mar 2019 11:06

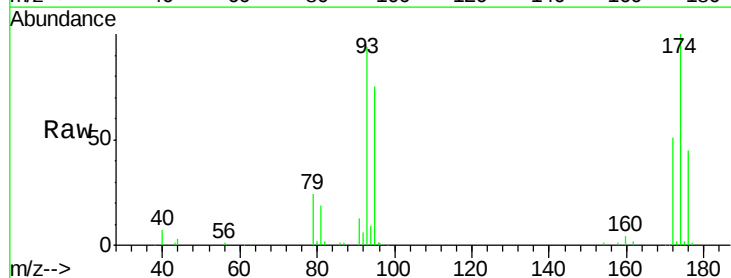
Tgt Ion: 93 Resp: 76256

Ion Ratio Lower Upper

93 100

95 81.2 64.4 96.6

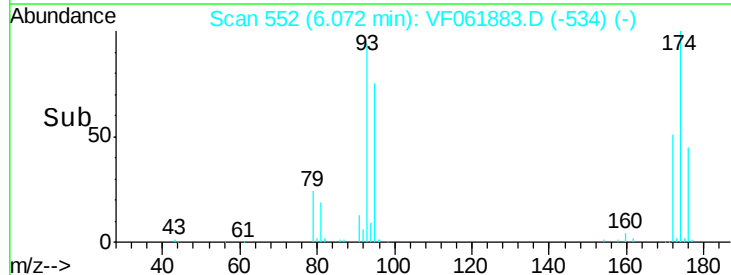
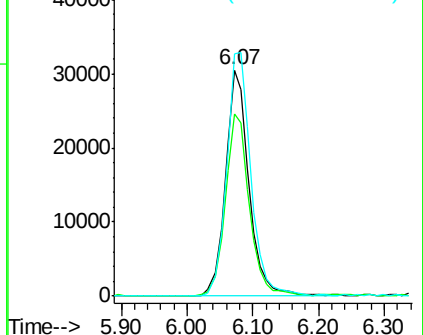
174 106.9 85.8 128.6

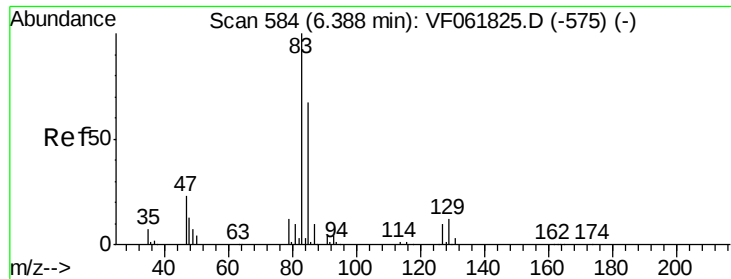


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 48.084 ug/l

RT: 6.38 min Scan# 583

Delta R.T. -0.01 min

Lab File: VF061883.D

Acq: 11 Mar 2019 11:06

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

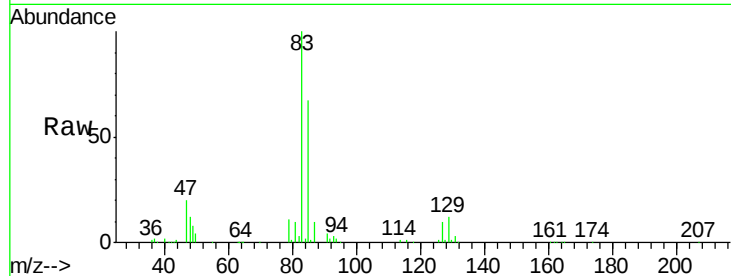
Tot Ion: 83 Resp: 165966

Ion Ratio Lower Upper

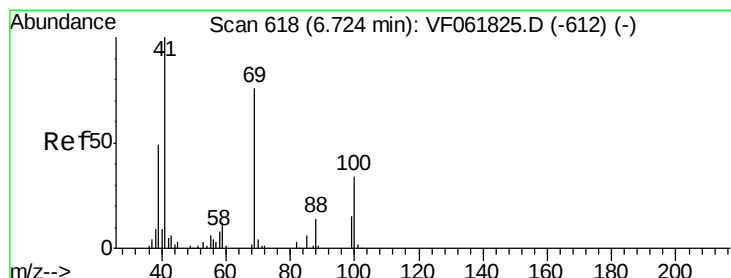
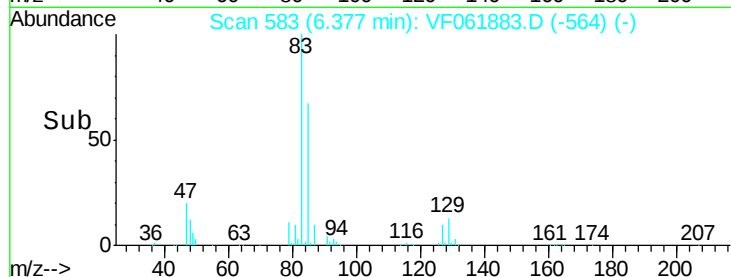
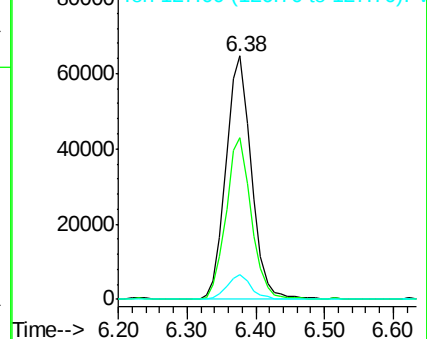
83 100

85 66.6 53.6 80.4

127 10.2 8.1 12.1



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: 47.616 ug/l

RT: 6.70 min Scan# 616

Delta R.T. -0.02 min

Lab File: VF061883.D

Acq: 11 Mar 2019 11:06

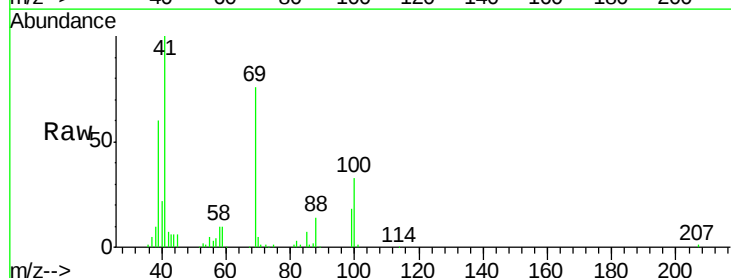
Tgt Ion: 41 Resp: 62270

Ion Ratio Lower Upper

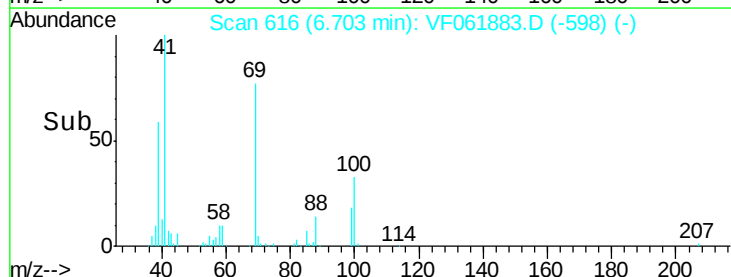
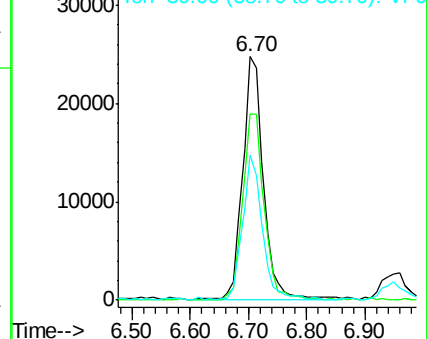
41 100

69 76.5 60.4 90.6

39 59.6 39.7 59.5#



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





#49

1,4-Dioxane

Concen: 863.162 ug/l

RT: 6.69 min Scan# 615

Delta R.T. -0.02 min

Lab File: VF061883.D

Acq: 11 Mar 2019 11:06

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

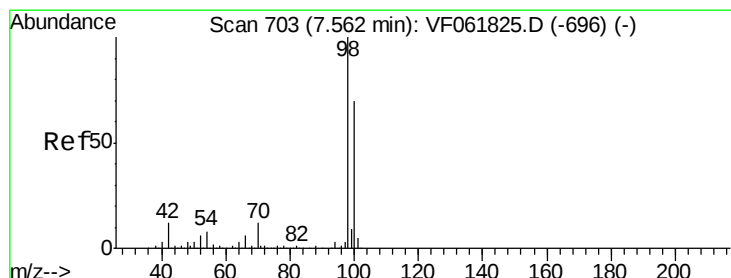
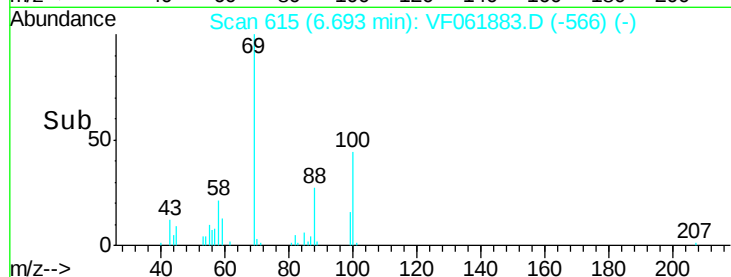
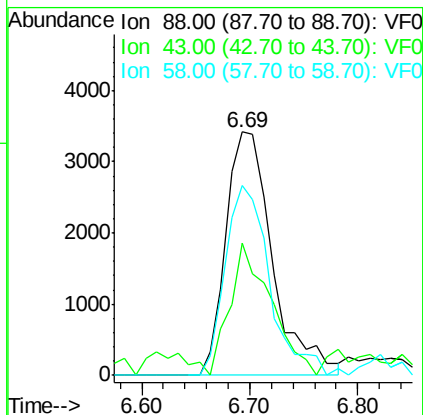
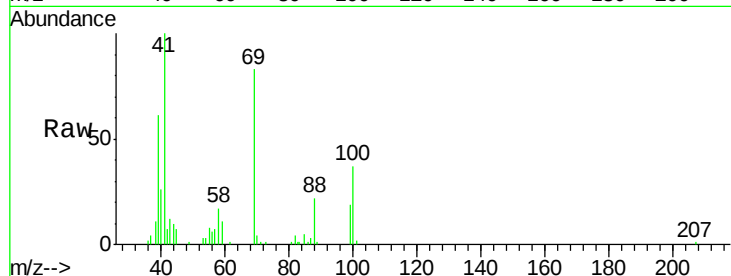
Tot Ion: 88 Resp: 10319

Ion Ratio Lower Upper

88 100

43 54.3 28.4 42.6#

58 78.0 50.7 76.1#



#50

Toluene-d8

Concen: 48.754 ug/l

RT: 7.54 min Scan# 701

Delta R.T. -0.02 min

Lab File: VF061883.D

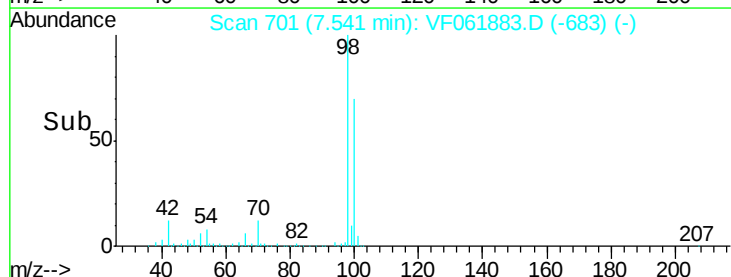
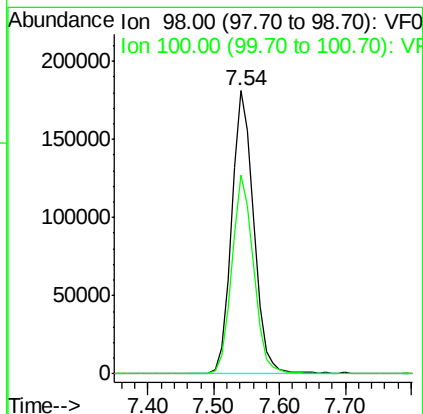
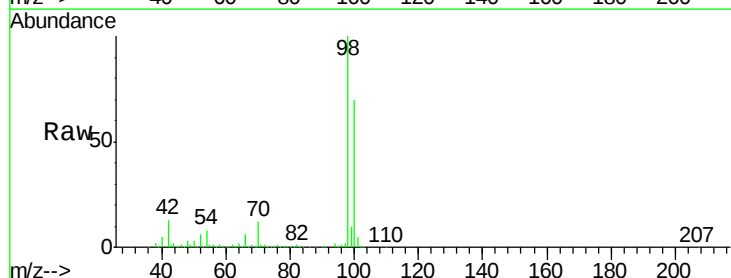
Acq: 11 Mar 2019 11:06

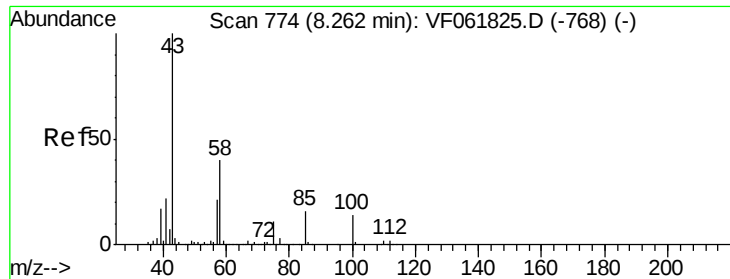
Tgt Ion: 98 Resp: 427581

Ion Ratio Lower Upper

98 100

100 70.4 56.0 84.0





#51

4-Methyl-2-Pentanone

Concen: 243.328 ug/l

RT: 8.25 min Scan# 773

Delta R.T. -0.01 min

Lab File: VF061883.D

Acq: 11 Mar 2019 11:06

Instrument :

MSVOA_F

ClientSampleId :

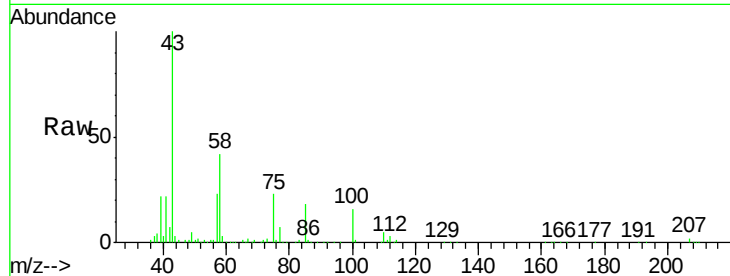
VSTDCCC050

Tot Ion: 43 Resp: 347509

Ion Ratio Lower Upper

43 100

58 42.0 31.8 47.8



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.25

150000

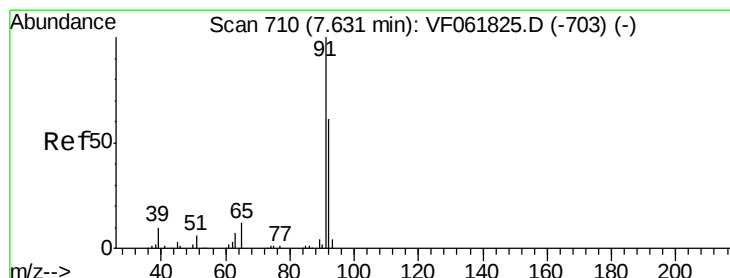
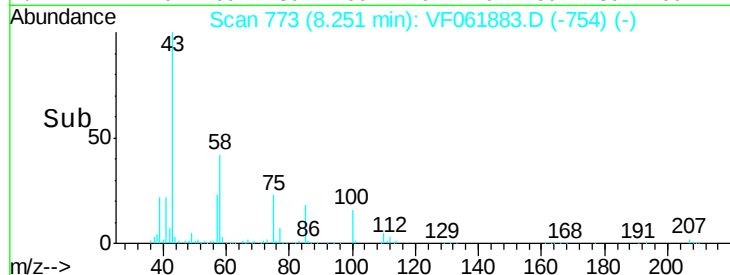
100000

50000

0

8.10 8.20 8.30 8.40

Time-->



#52

Toluene

Concen: 47.757 ug/l

RT: 7.61 min Scan# 708

Delta R.T. -0.02 min

Lab File: VF061883.D

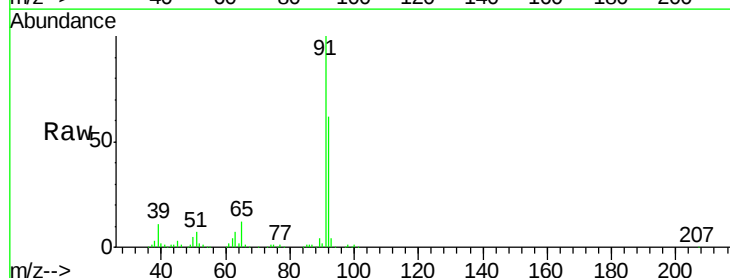
Acq: 11 Mar 2019 11:06

Tgt Ion: 92 Resp: 294934

Ion Ratio Lower Upper

92 100

91 160.6 132.0 198.0



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.61

200000

150000

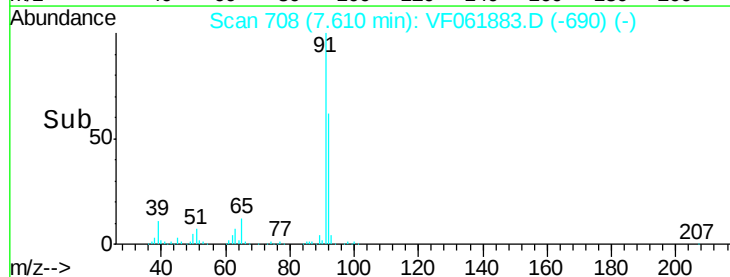
100000

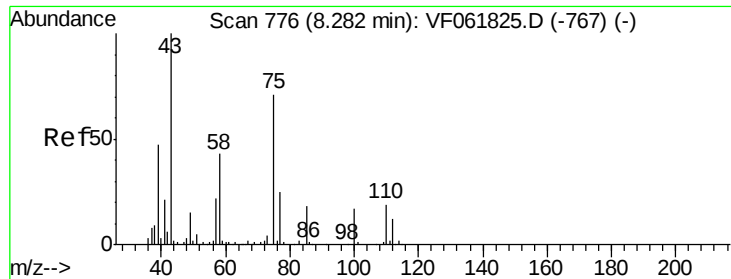
50000

0

7.50 7.60 7.70

Time-->

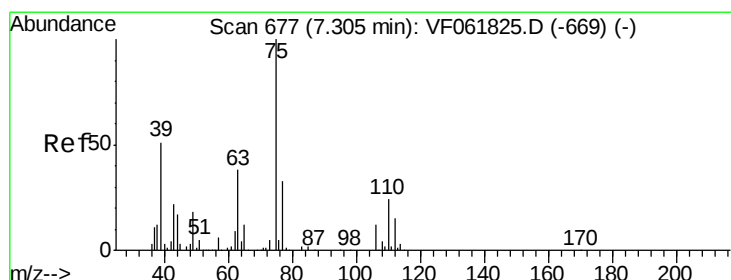
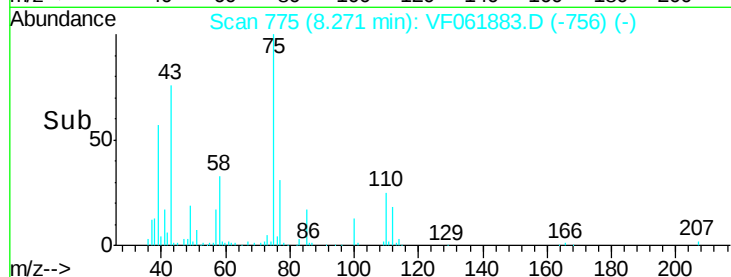
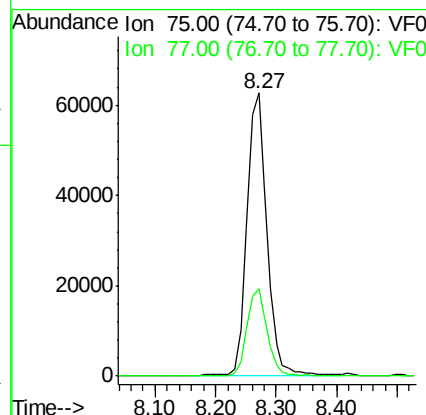
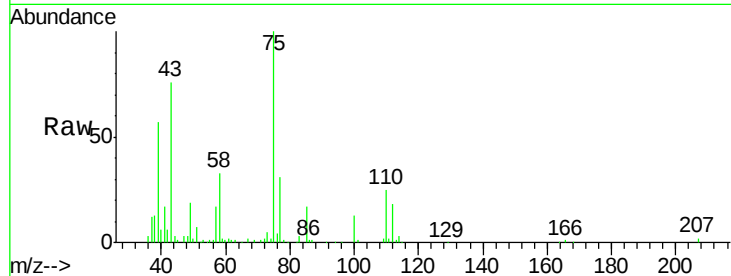




#53
 t-1,3-Dichloropropene
 Concen: 50.848 ug/l
 RT: 8.27 min Scan# 775
 Delta R.T. -0.01 min
 Lab File: VF061883.D
 Acq: 11 Mar 2019 11:06

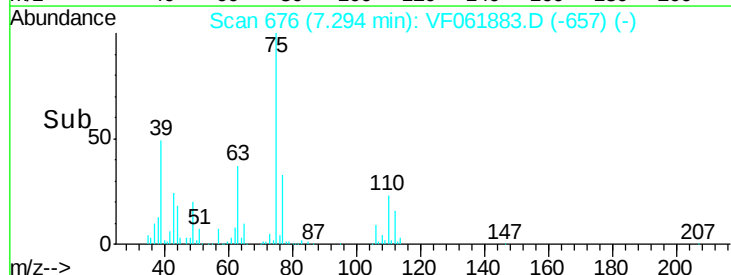
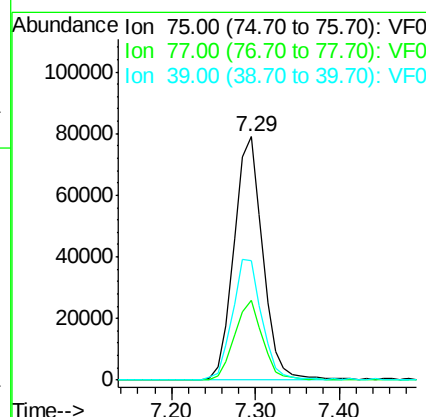
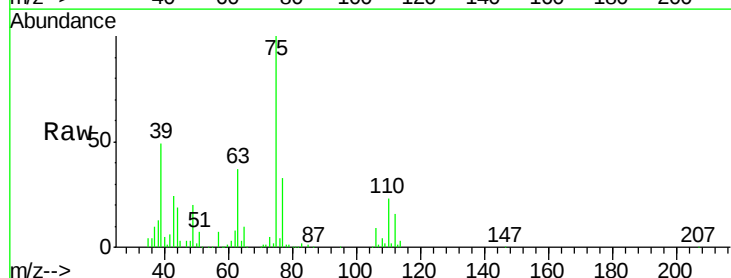
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

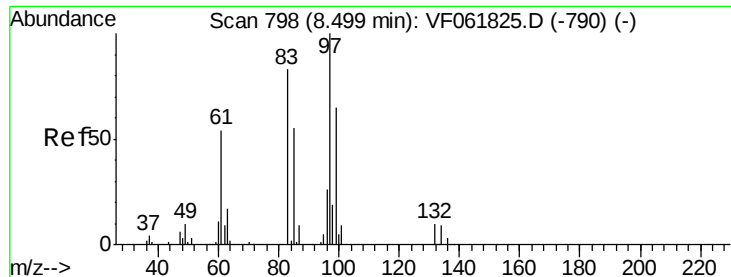
Tot Ion: 75 Resp: 144871
 Ion Ratio Lower Upper
 75 100
 77 31.1 28.0 42.0



#54
 cis-1,3-Dichloropropene
 Concen: 47.931 ug/l
 RT: 7.29 min Scan# 676
 Delta R.T. -0.01 min
 Lab File: VF061883.D
 Acq: 11 Mar 2019 11:06

Tgt Ion: 75 Resp: 188362
 Ion Ratio Lower Upper
 75 100
 77 32.9 26.3 39.5
 39 48.9 40.8 61.2





#55

1,1,2-Trichloroethane

Concen: 48.137 ug/l

RT: 8.48 min Scan# 796

Delta R.T. -0.02 min

Lab File: VF061883.D

Acq: 11 Mar 2019 11:06

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 85654

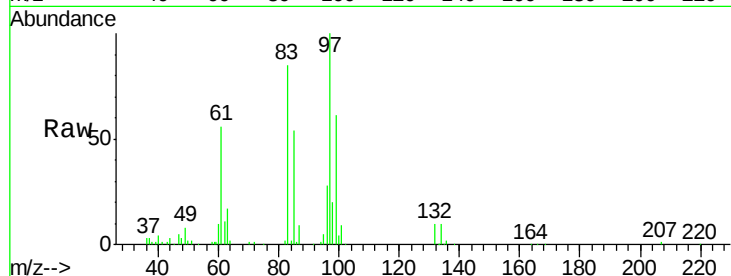
Ion Ratio Lower Upper

97 100

83 84.9 66.5 99.7

85 54.1 44.2 66.2

99 61.2 51.8 77.6

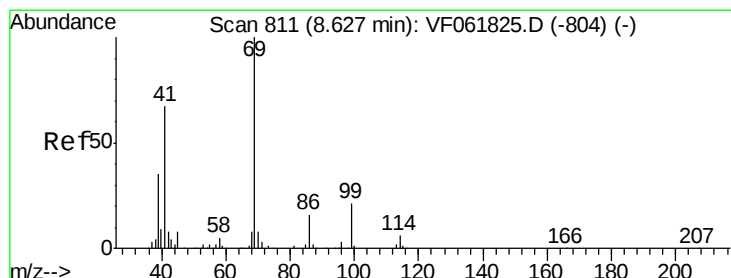
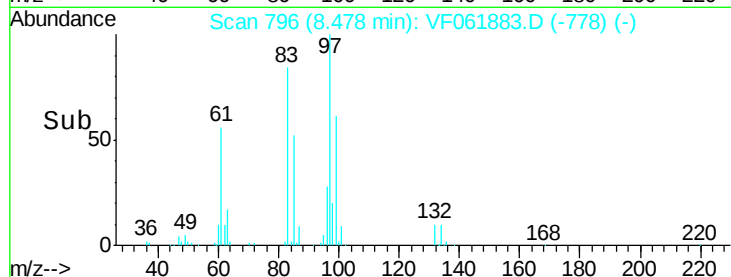
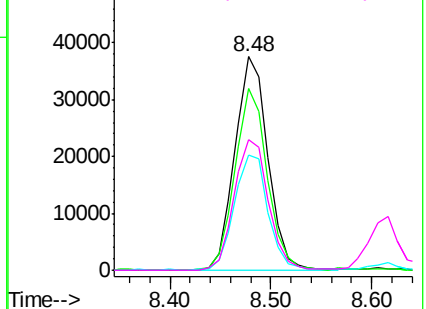


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 48.518 ug/l

RT: 8.61 min Scan# 809

Delta R.T. -0.02 min

Lab File: VF061883.D

Acq: 11 Mar 2019 11:06

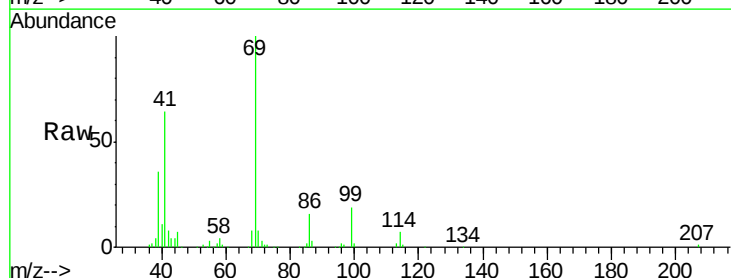
Tgt Ion: 69 Resp: 97296

Ion Ratio Lower Upper

69 100

41 64.0 53.9 80.9

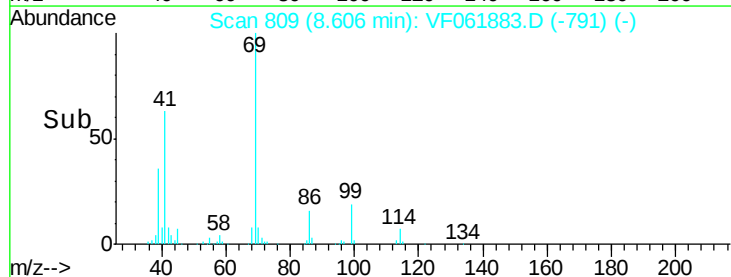
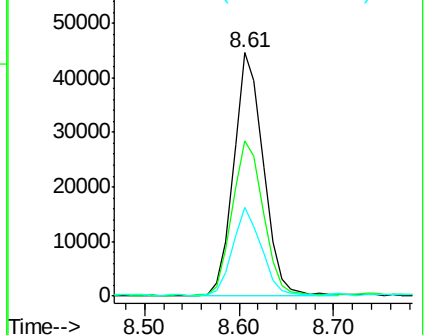
39 36.2 28.3 42.5

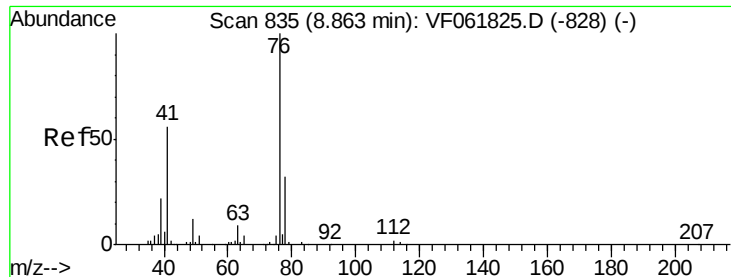


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 48.802 ug/l

RT: 8.84 min Scan# 833

Delta R.T. -0.02 min

Lab File: VF061883.D

Acq: 11 Mar 2019 11:06

Instrument :

MSVOA_F

ClientSampleId :

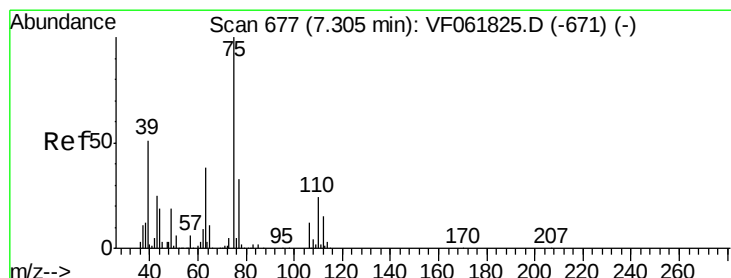
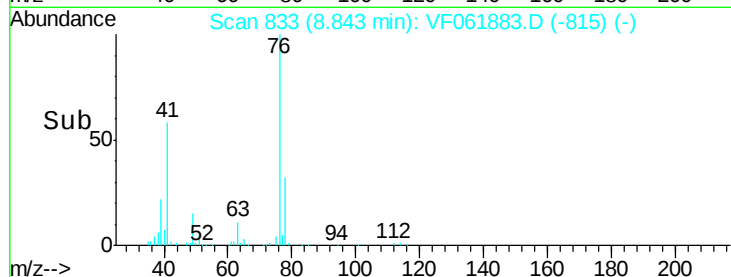
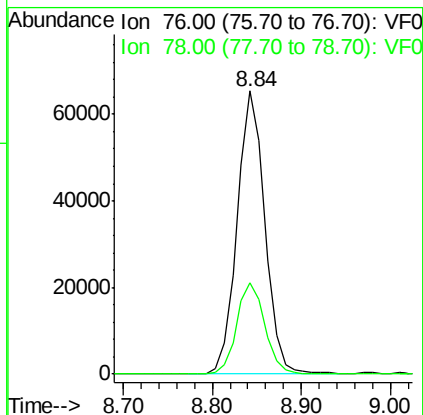
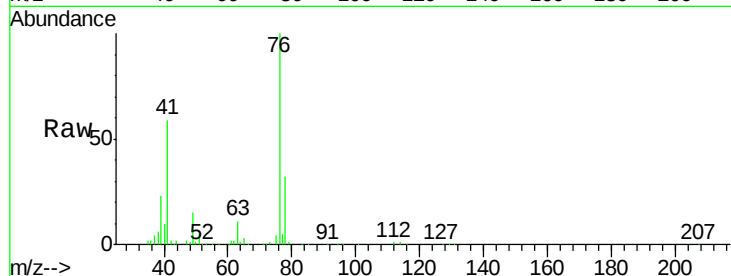
VSTDCCC050

Tot Ion: 76 Resp: 142012

Ion Ratio Lower Upper

76 100

78 32.2 25.4 38.2



#58

2-Chloroethyl Vinyl ether

Concen: 244.792 ug/l

RT: 7.28 min Scan# 675

Delta R.T. -0.02 min

Lab File: VF061883.D

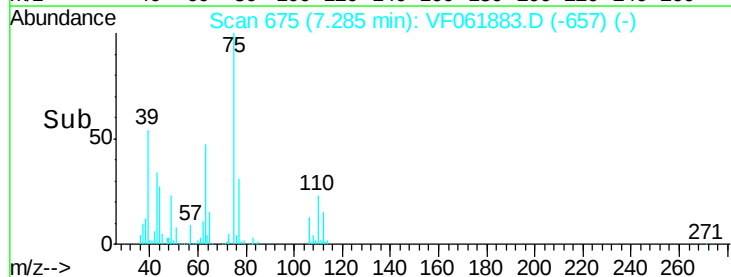
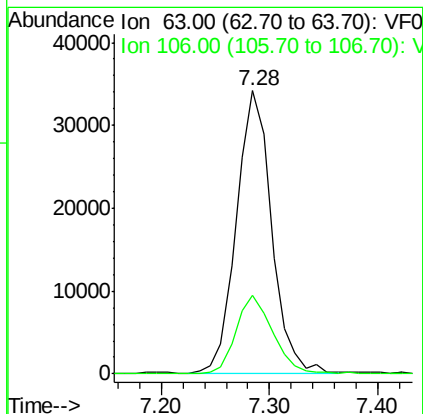
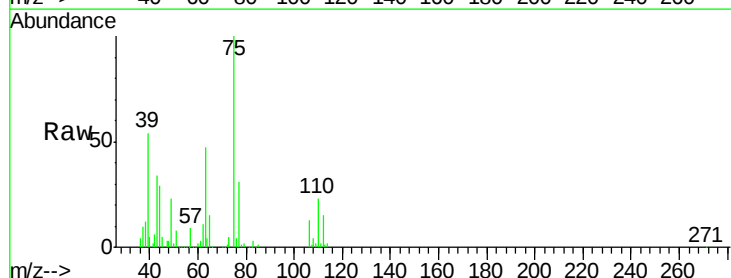
Acq: 11 Mar 2019 11:06

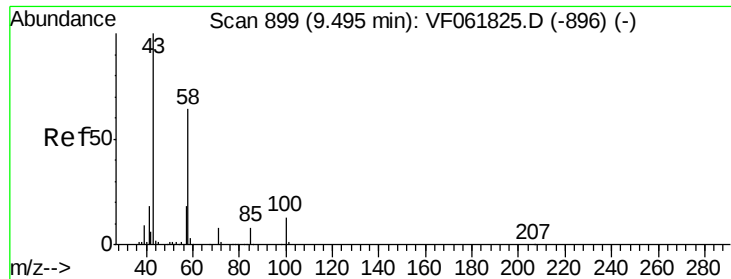
Tgt Ion: 63 Resp: 77655

Ion Ratio Lower Upper

63 100

106 27.9 24.3 36.5

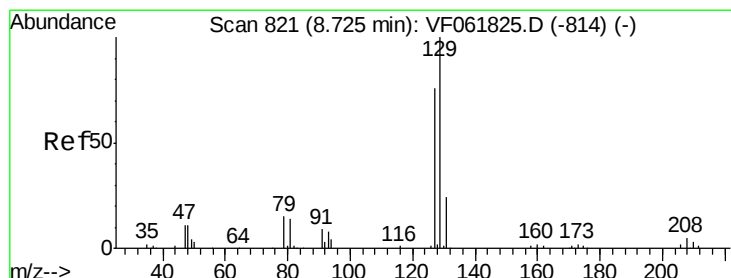
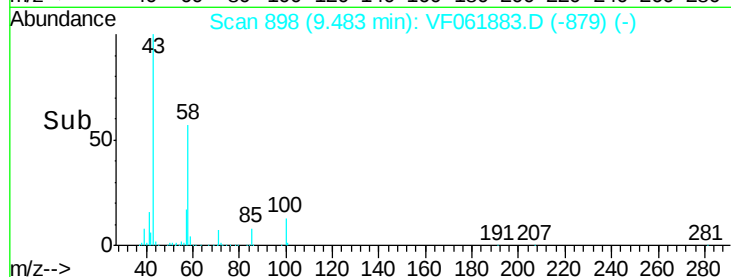
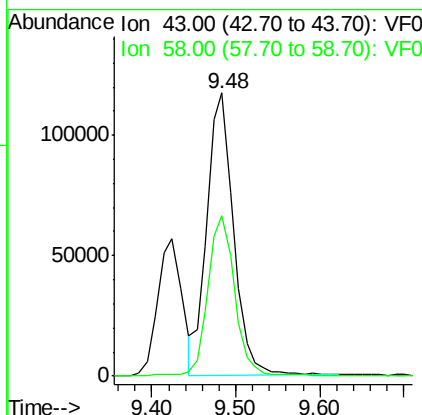
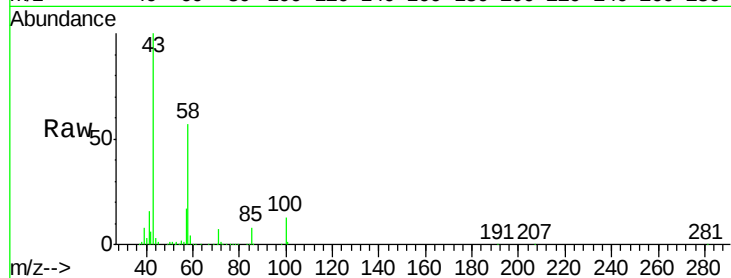




#59
 2-Hexanone
 Concen: 249.474 ug/l
 RT: 9.48 min Scan# 898
 Delta R.T. -0.01 min
 Lab File: VF061883.D
 Acq: 11 Mar 2019 11:06

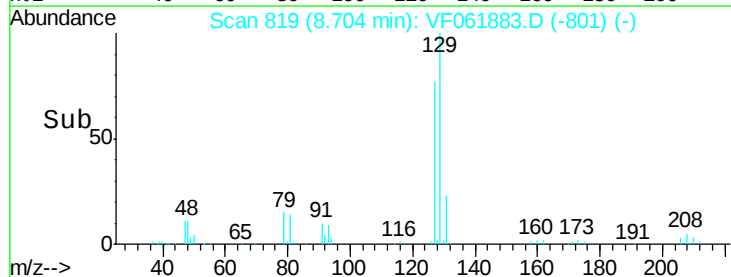
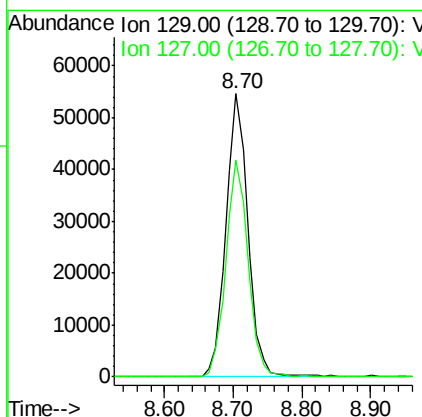
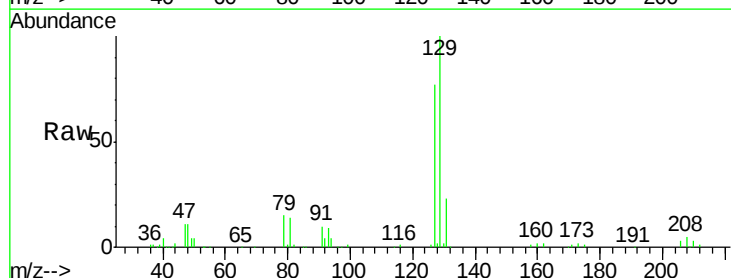
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

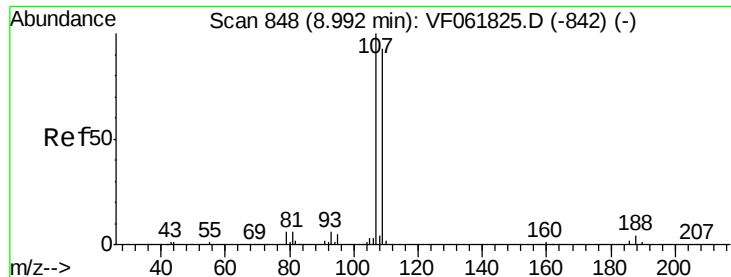
Tot Ion: 43 Resp: 257031
 Ion Ratio Lower Upper
 43 100
 58 56.5 28.8 86.4



#60
 Dibromochloromethane
 Concen: 47.659 ug/l
 RT: 8.70 min Scan# 819
 Delta R.T. -0.02 min
 Lab File: VF061883.D
 Acq: 11 Mar 2019 11:06

Tgt Ion: 129 Resp: 120866
 Ion Ratio Lower Upper
 129 100
 127 76.8 38.2 114.6





#61

1,2-Dibromoethane

Concen: 48.585 ug/l

RT: 8.98 min Scan# 847

Delta R.T. -0.01 min

Lab File: VF061883.D

Acq: 11 Mar 2019 11:06

Instrument :

MSVOA_F

ClientSampleId :

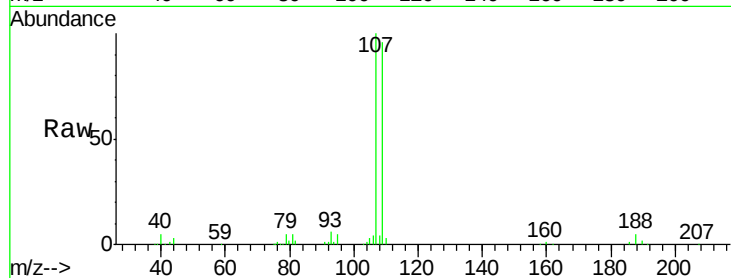
VSTDCCC050

Tot Ion:107 Resp: 95068

Ion Ratio Lower Upper

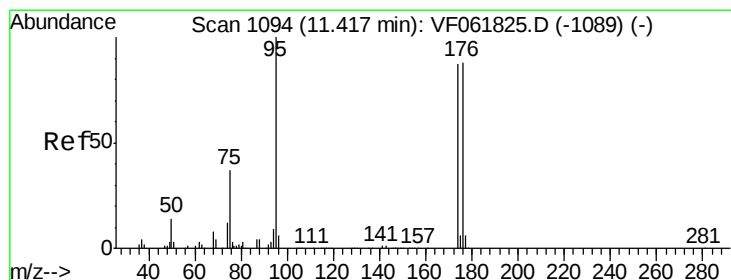
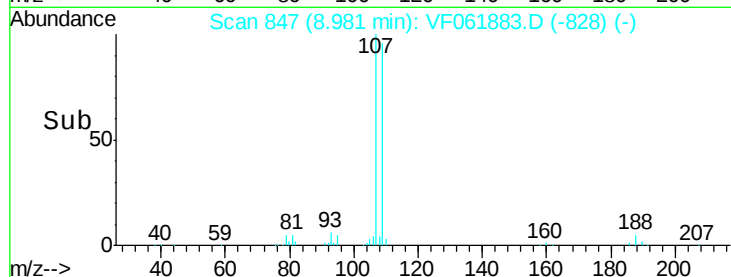
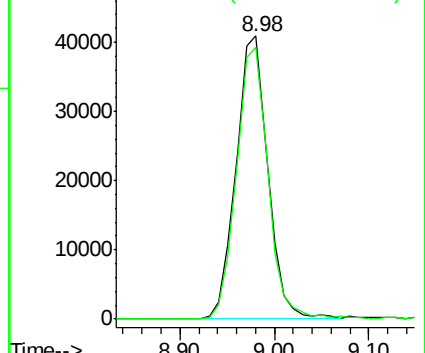
107 100

109 95.9 74.6 112.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 50.221 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.01 min

Lab File: VF061883.D

Acq: 11 Mar 2019 11:06

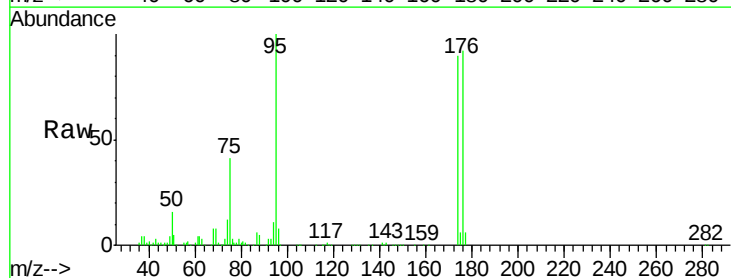
Tgt Ion: 95 Resp: 172531

Ion Ratio Lower Upper

95 100

174 89.7 0.0 174.0

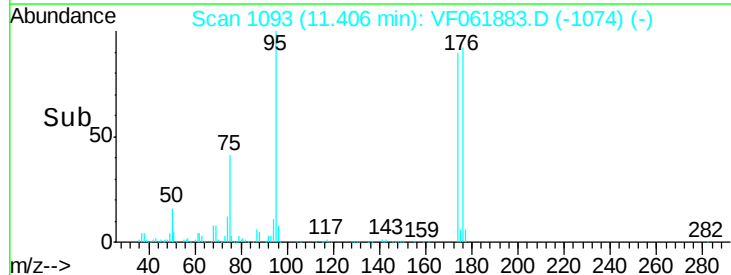
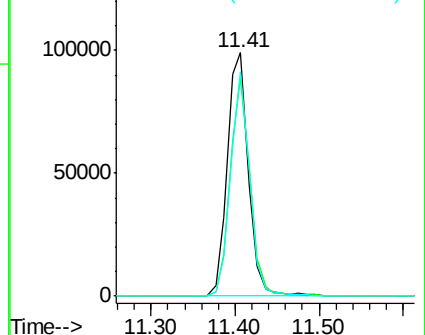
176 92.3 0.0 175.2

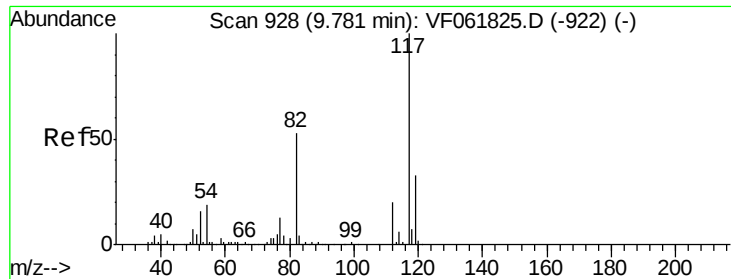


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

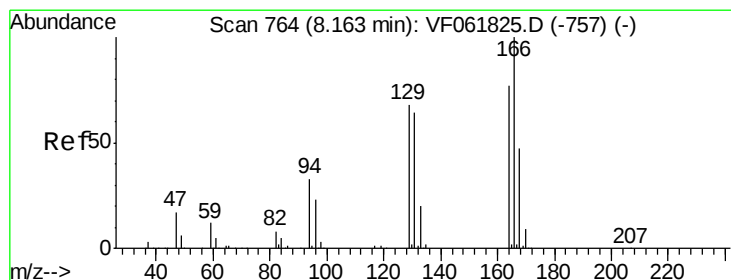
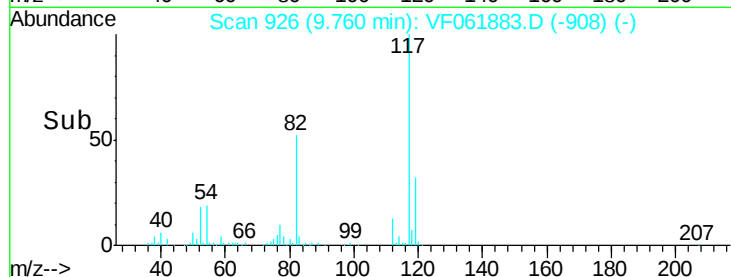
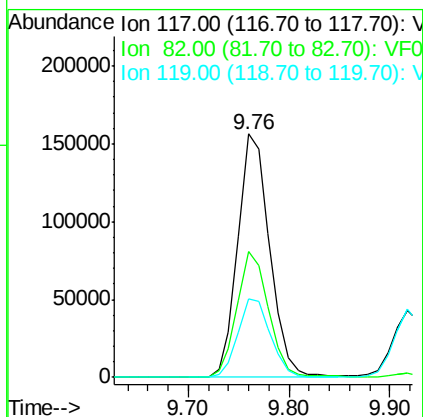
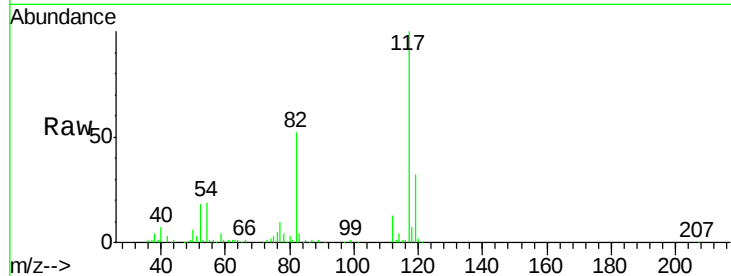




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.76 min Scan# 926
Delta R.T. -0.02 min
Lab File: VF061883.D
Acq: 11 Mar 2019 11:06

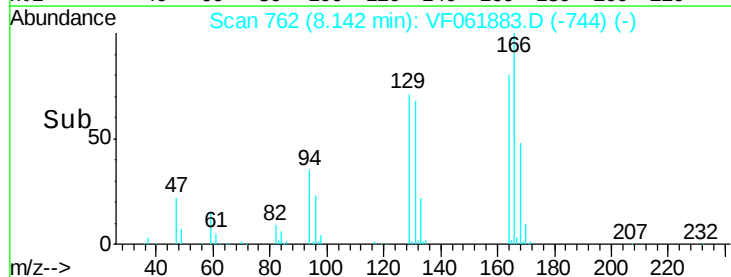
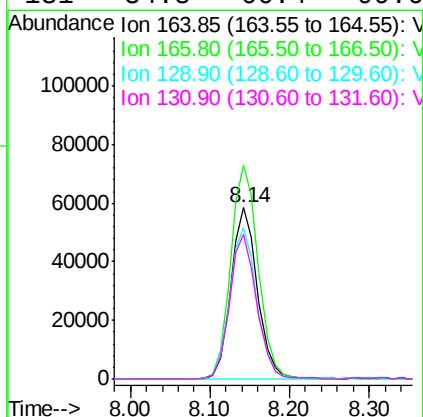
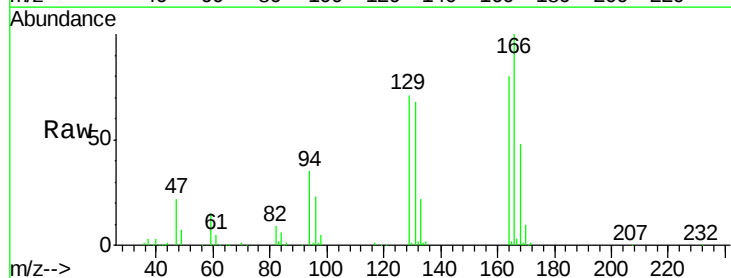
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

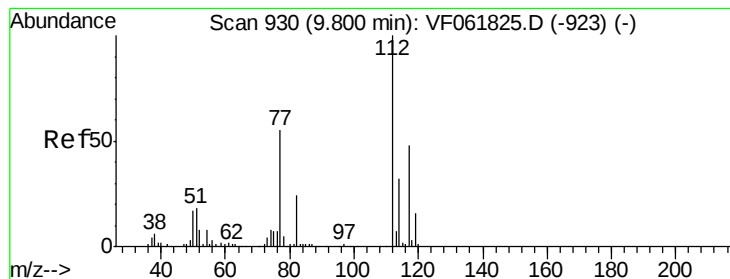
Tot Ion:117 Resp: 346034
Ion Ratio Lower Upper
117 100
82 51.6 42.6 63.8
119 32.1 26.0 39.0



#64
Tetrachloroethene
Concen: 51.268 ug/l
RT: 8.14 min Scan# 762
Delta R.T. -0.02 min
Lab File: VF061883.D
Acq: 11 Mar 2019 11:06

Tgt Ion:164 Resp: 136316
Ion Ratio Lower Upper
164 100
166 125.0 103.4 155.0
129 88.6 69.9 104.9
131 84.8 66.4 99.6





#65

Chlorobenzene

Concen: 49.466 ug/l

RT: 9.79 min Scan# 929

Delta R.T. -0.01 min

Lab File: VF061883.D

Acq: 11 Mar 2019 11:06

Instrument :

MSVOA_F

ClientSampleId :

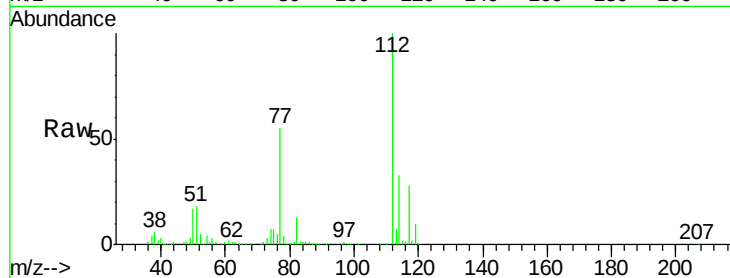
VSTDCCC050

Tot Ion:112 Resp: 328852

Ion Ratio Lower Upper

112 100

114 33.4 25.5 38.3



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

9.79

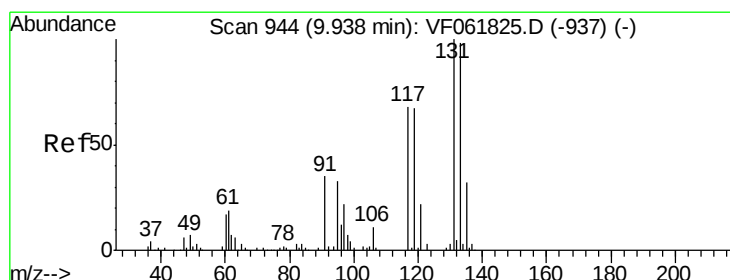
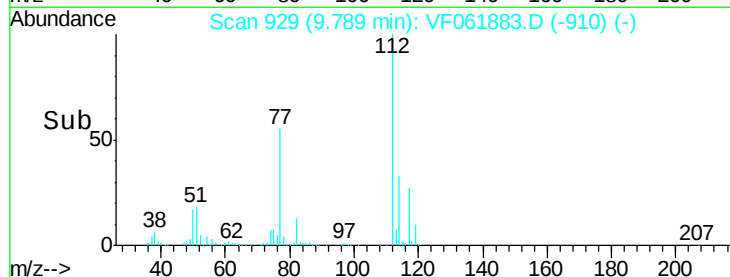
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 53.776 ug/l

RT: 9.92 min Scan# 942

Delta R.T. -0.02 min

Lab File: VF061883.D

Acq: 11 Mar 2019 11:06

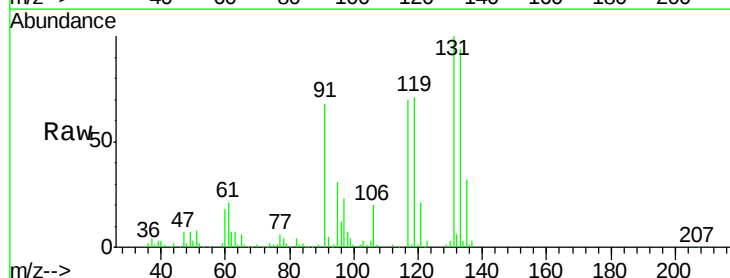
Tgt Ion:131 Resp: 138514

Ion Ratio Lower Upper

131 100

133 93.9 48.9 146.7

119 71.2 33.6 100.8



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

9.92

80000

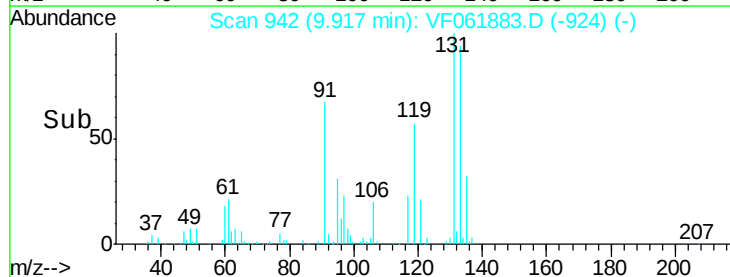
60000

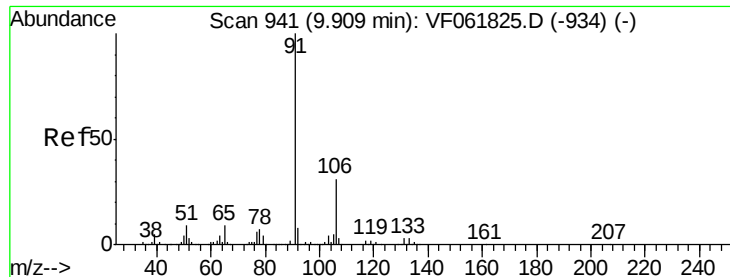
40000

20000

0

Time-->





#67

Ethyl Benzene

Concen: 51.575 ug/l

RT: 9.89 min Scan# 939

Delta R.T. -0.02 min

Lab File: VF061883.D

Acq: 11 Mar 2019 11:06

Instrument :

MSVOA_F

ClientSampleId :

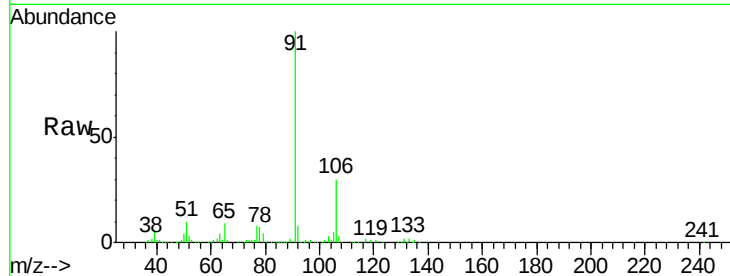
VSTDCCC050

Tot Ion: 91 Resp: 568297

Ion Ratio Lower Upper

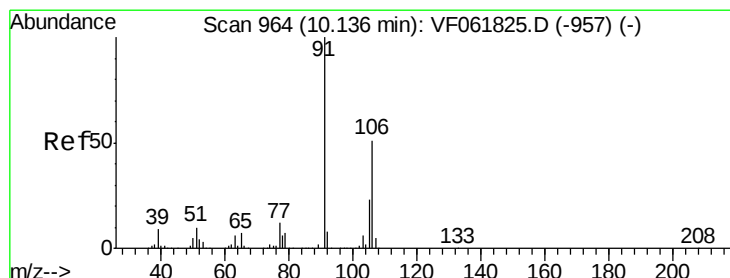
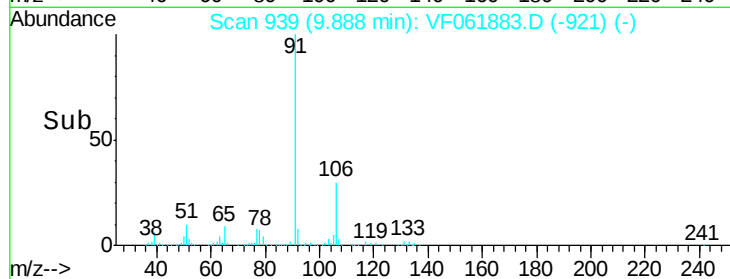
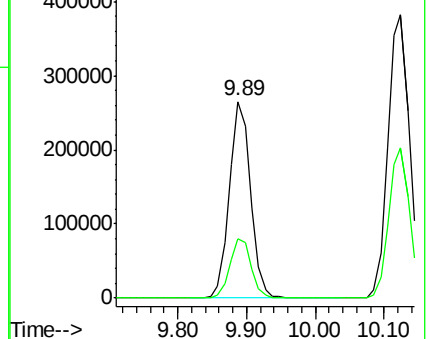
91 100

106 30.3 25.0 37.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 102.241 ug/l

RT: 10.12 min Scan# 963

Delta R.T. -0.01 min

Lab File: VF061883.D

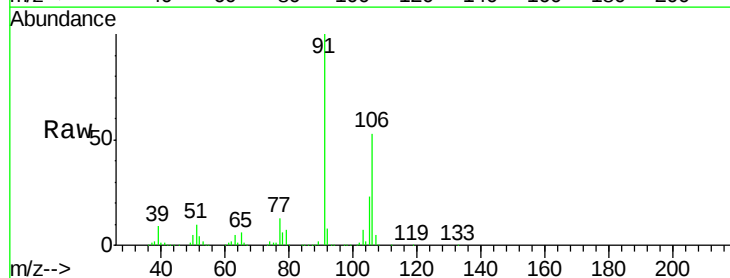
Acq: 11 Mar 2019 11:06

Tgt Ion: 106 Resp: 431578

Ion Ratio Lower Upper

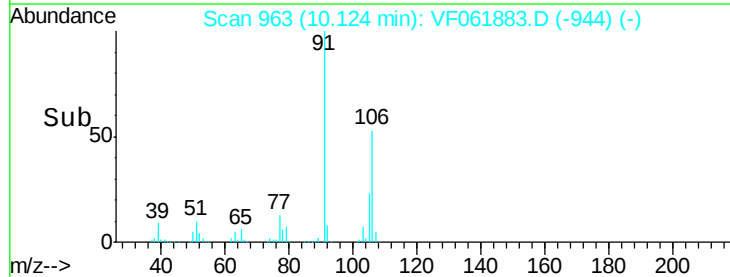
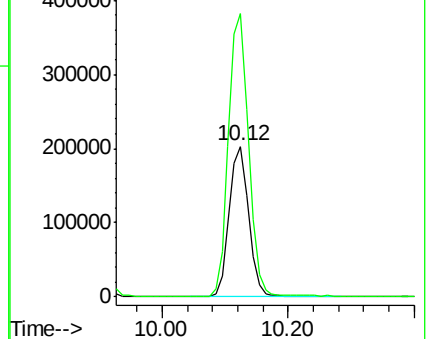
106 100

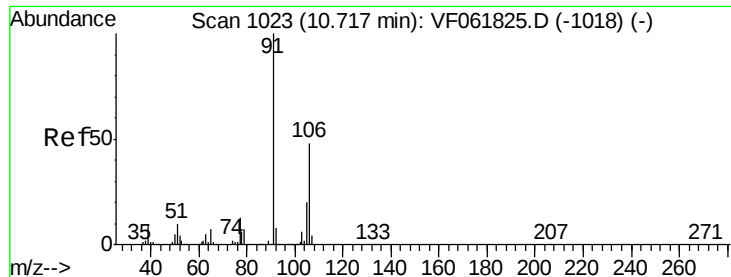
91 188.3 157.5 236.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

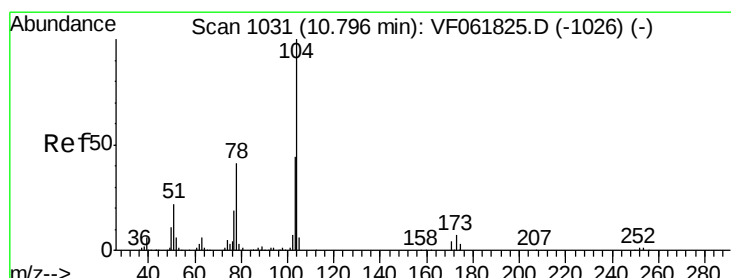
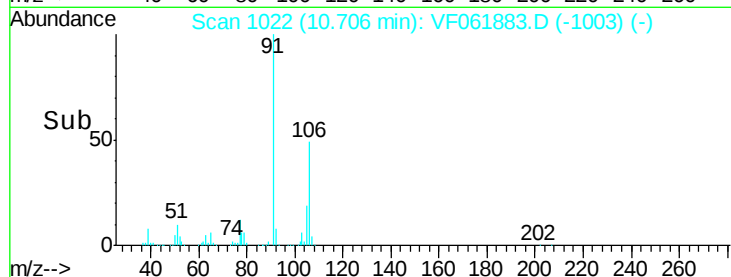
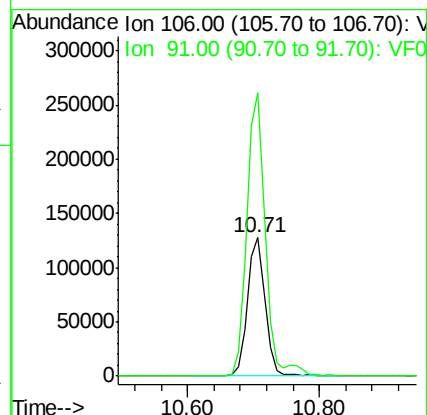
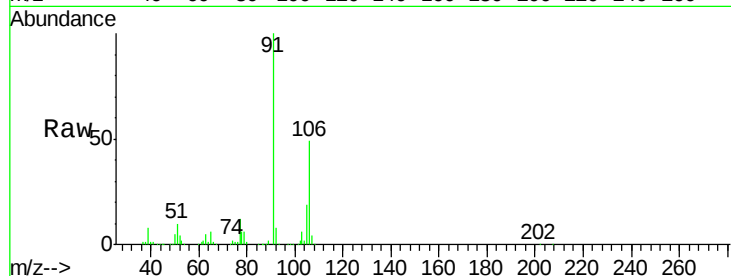




#69
o-Xylene
Concen: 53.220 ug/l
RT: 10.71 min Scan# 1022
Delta R.T. -0.01 min
Lab File: VF061883.D
Acq: 11 Mar 2019 11:06

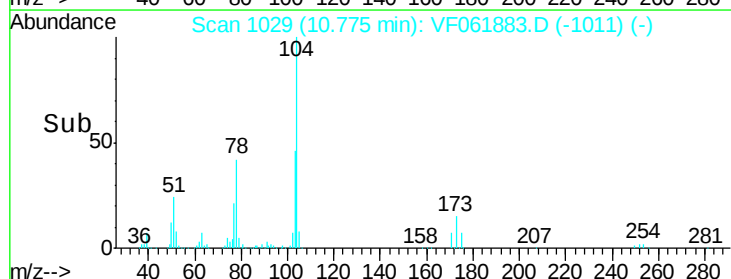
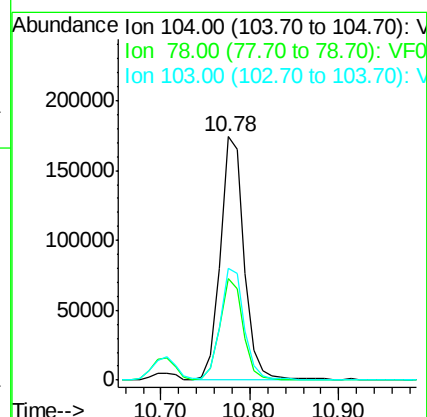
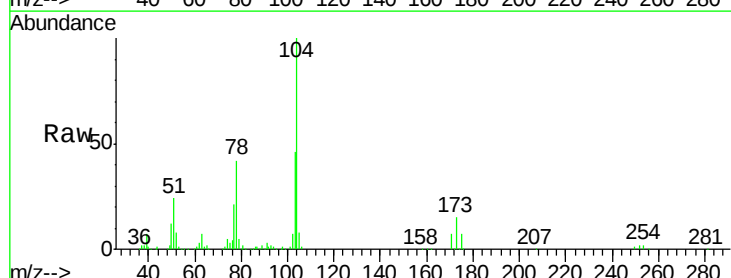
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

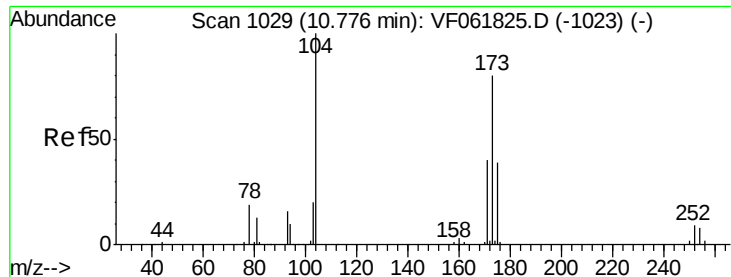
Tot Ion:106 Resp: 241907
Ion Ratio Lower Upper
106 100
91 204.6 103.5 310.3



#70
Styrene
Concen: 51.075 ug/l
RT: 10.78 min Scan# 1029
Delta R.T. -0.02 min
Lab File: VF061883.D
Acq: 11 Mar 2019 11:06

Tgt Ion:104 Resp: 326721
Ion Ratio Lower Upper
104 100
78 41.8 33.3 49.9
103 45.8 35.4 53.0





#71

Bromoform

Concen: 51.944 ug/l

RT: 10.77 min Scan# 1028

Delta R.T. -0.01 min

Lab File: VF061883.D

Acq: 11 Mar 2019 11:06

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

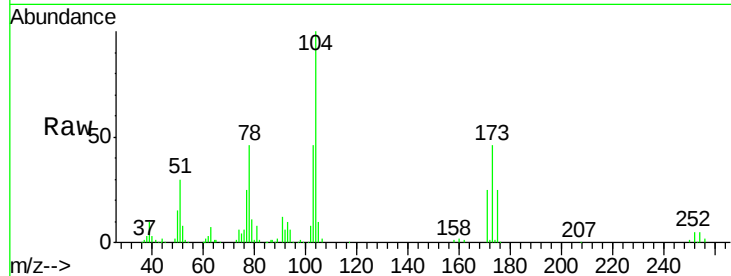
Tot Ion:173 Resp: 70713

Ion Ratio Lower Upper

173 100

175 53.9 24.5 73.5

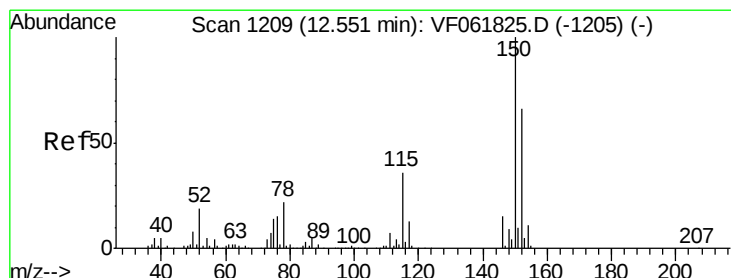
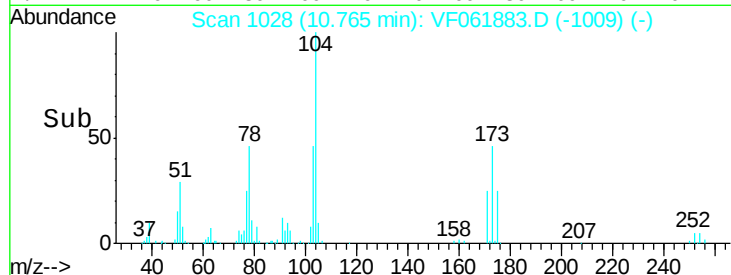
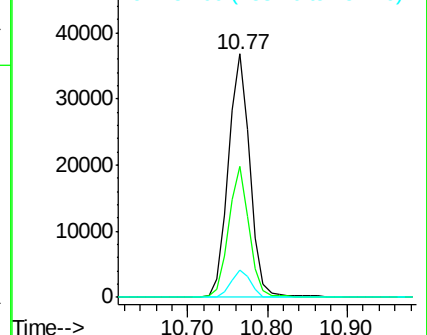
254 11.0 8.0 12.0



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# 1208

Delta R.T. -0.01 min

Lab File: VF061883.D

Acq: 11 Mar 2019 11:06

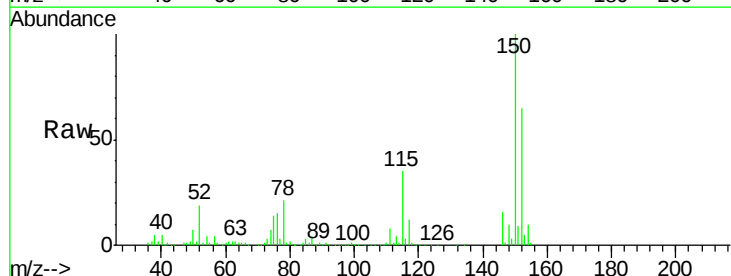
Tgt Ion:152 Resp: 199927

Ion Ratio Lower Upper

152 100

115 54.3 27.7 83.1

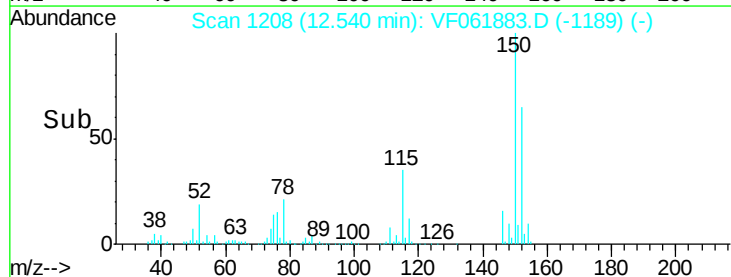
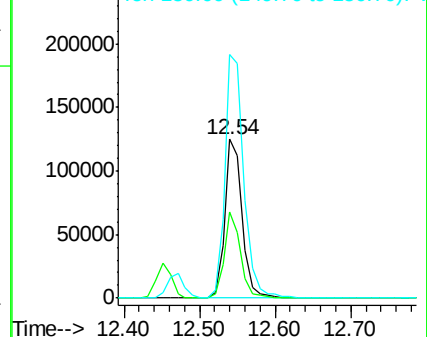
150 153.4 0.0 304.2

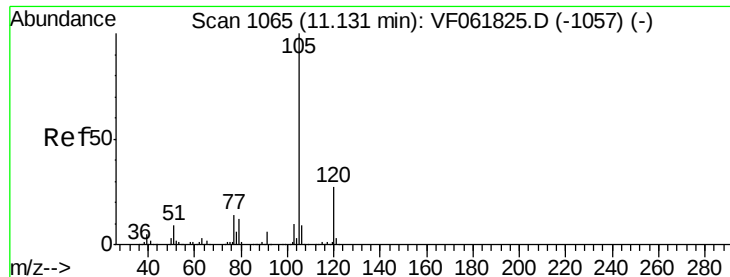


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 50.285 ug/l

RT: 11.12 min Scan# 1064

Delta R.T. -0.01 min

Lab File: VF061883.D

Acq: 11 Mar 2019 11:06

Instrument :

MSVOA_F

ClientSampleId :

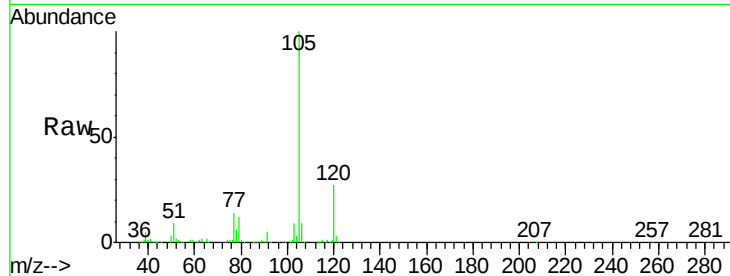
VSTDCCC050

Tot Ion:105 Resp: 692122

Ion Ratio Lower Upper

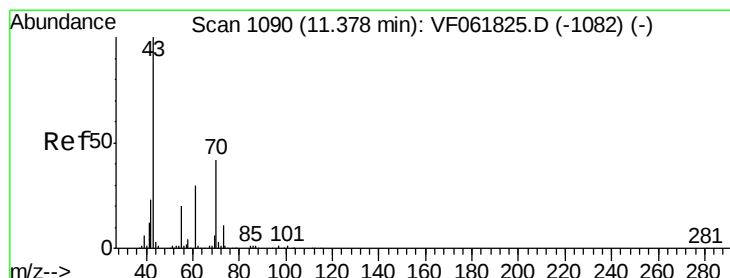
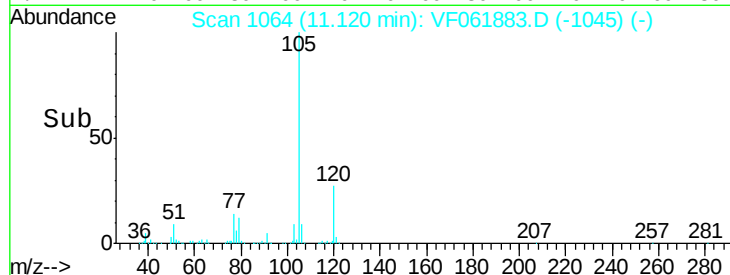
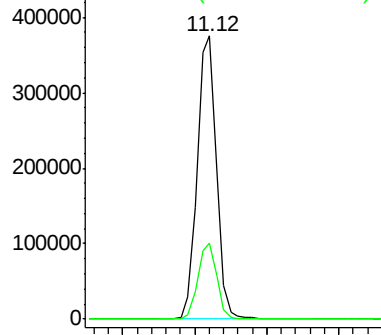
105 100

120 26.9 13.7 41.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 46.071 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VF061883.D

Acq: 11 Mar 2019 11:06

Tgt Ion: 43 Resp: 145983

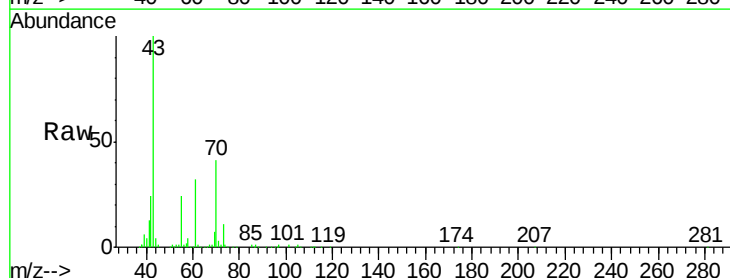
Ion Ratio Lower Upper

43 100

70 41.1 33.4 50.0

55 23.9 16.3 24.5

61 31.7 24.0 36.0

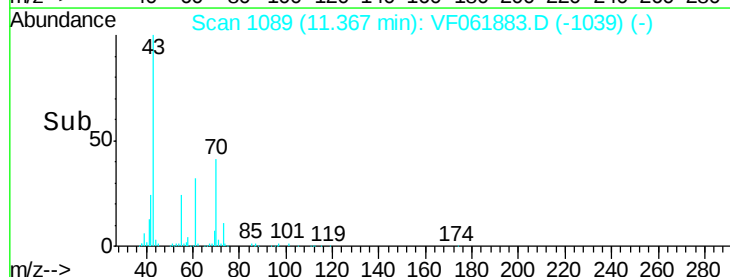
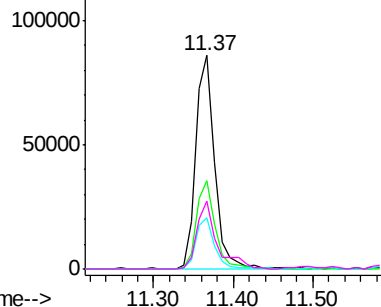


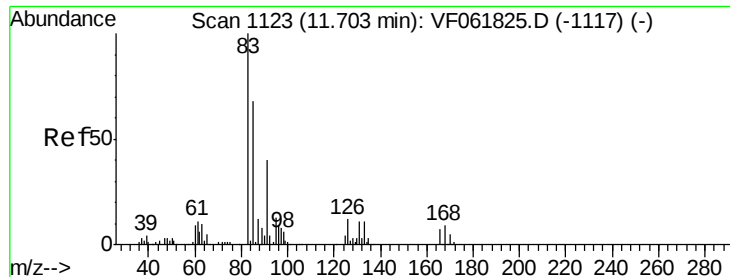
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 48.746 ug/l

RT: 11.69 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VF061883.D

Acq: 11 Mar 2019 11:06

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

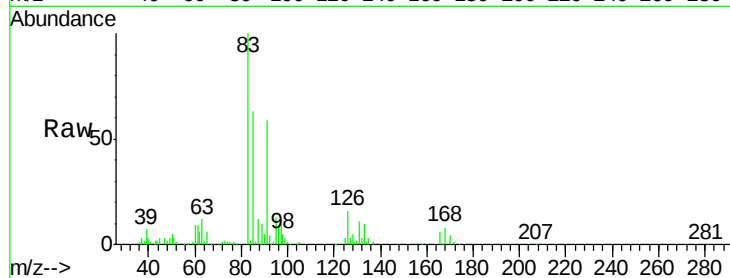
Tot Ion: 83 Resp: 111511

Ion Ratio Lower Upper

83 100

131 11.5 5.5 16.7

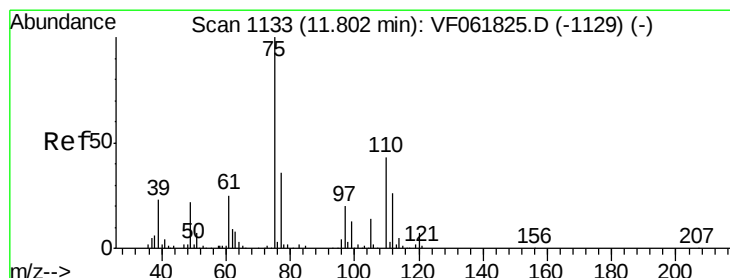
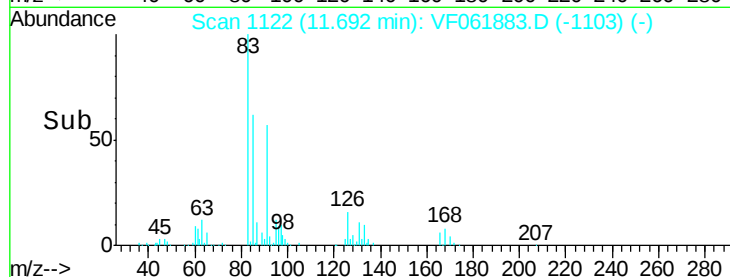
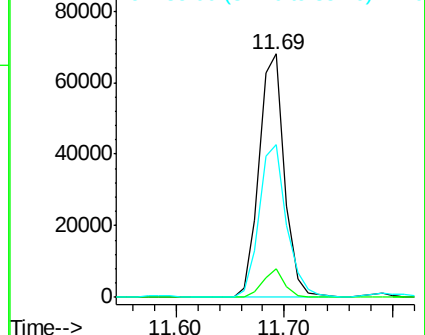
85 62.5 34.2 102.6



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: 44.467 ug/l

RT: 11.79 min Scan# 1132

Delta R.T. -0.01 min

Lab File: VF061883.D

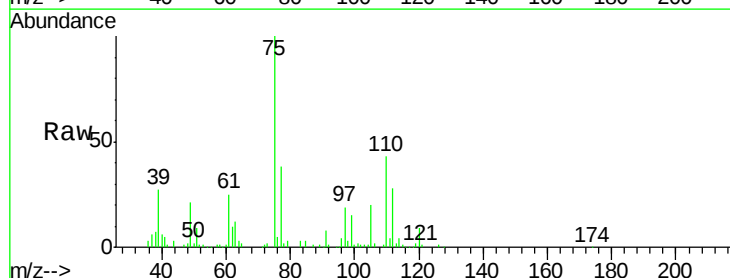
Acq: 11 Mar 2019 11:06

Tgt Ion: 75 Resp: 69427

Ion Ratio Lower Upper

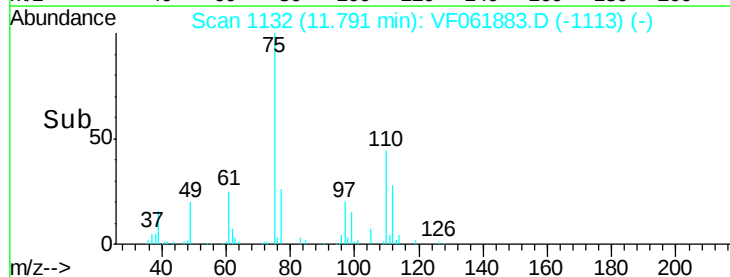
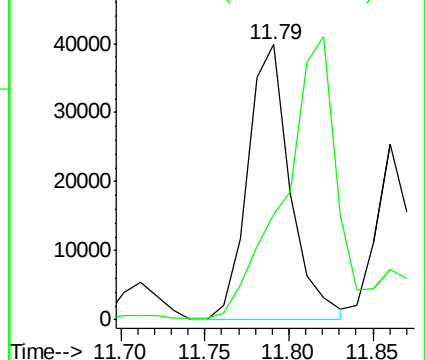
75 100

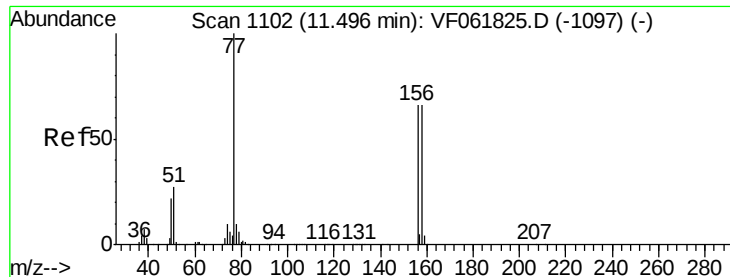
77 38.5 18.1 54.4



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 48.181 ug/l

RT: 11.49 min Scan# 1101

Delta R.T. -0.01 min

Lab File: VF061883.D

Acq: 11 Mar 2019 11:06

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

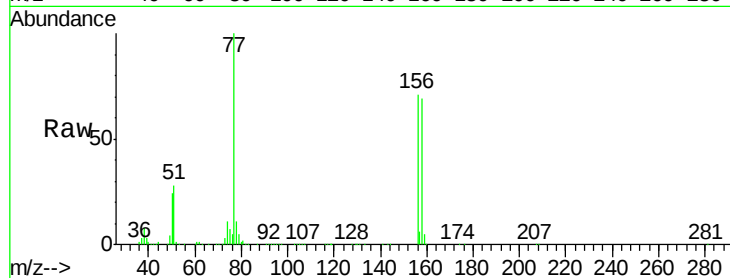
Tot Ion:156 Resp: 159598

Ion Ratio Lower Upper

156 100

77 140.0 75.7 227.1

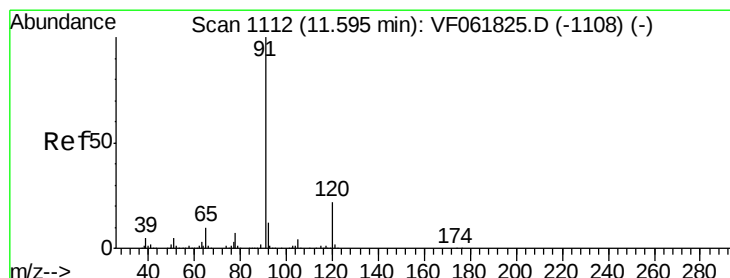
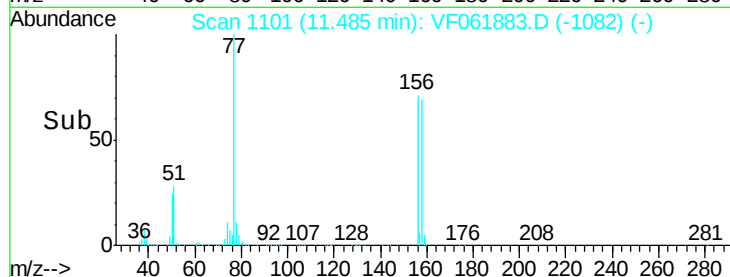
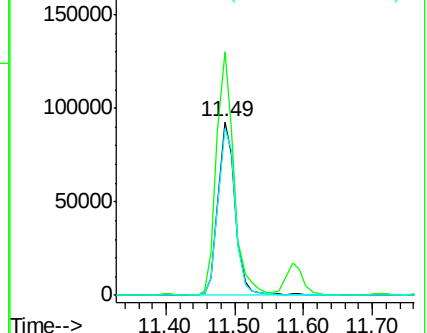
158 96.1 50.0 150.1



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 46.960 ug/l

RT: 11.58 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VF061883.D

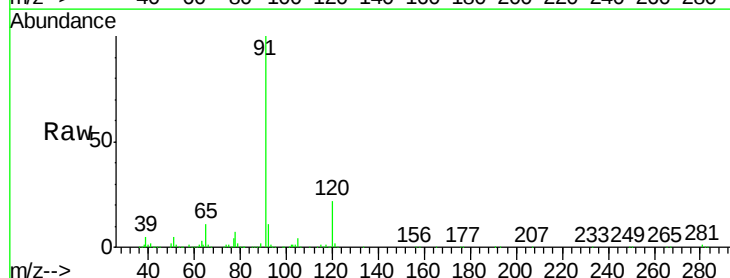
Acq: 11 Mar 2019 11:06

Tgt Ion: 91 Resp: 729927

Ion Ratio Lower Upper

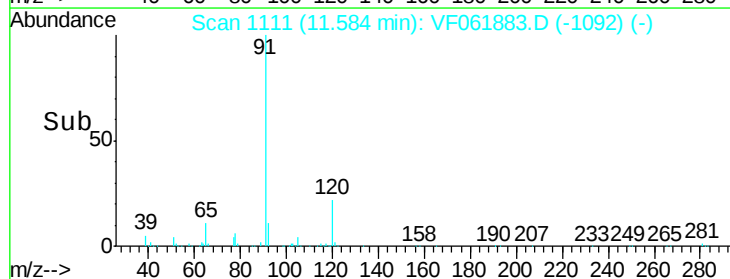
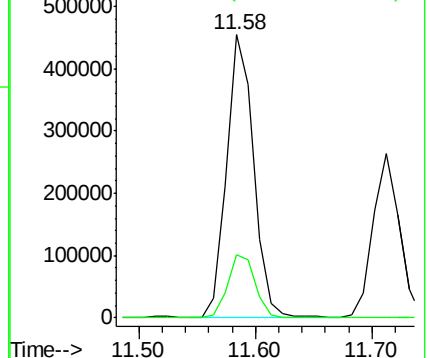
91 100

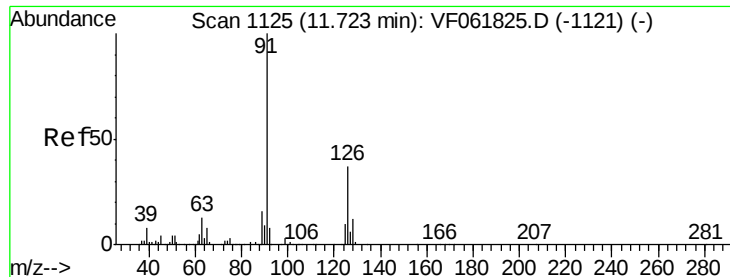
120 22.4 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 46.428 ug/l

RT: 11.71 min Scan# 1124

Delta R.T. -0.01 min

Lab File: VF061883.D

Acq: 11 Mar 2019 11:06

Instrument :

MSVOA_F

ClientSampleId :

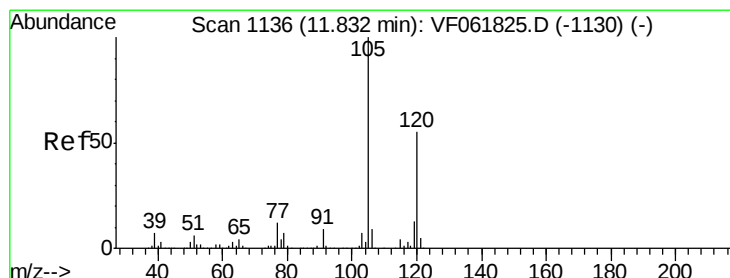
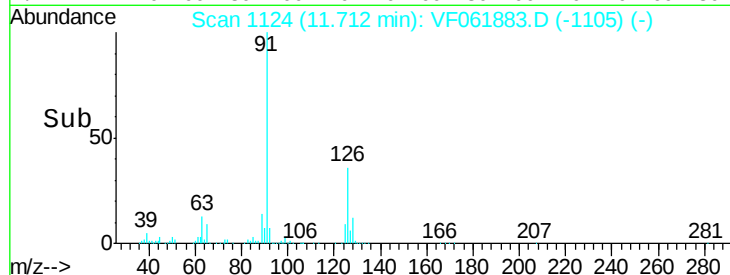
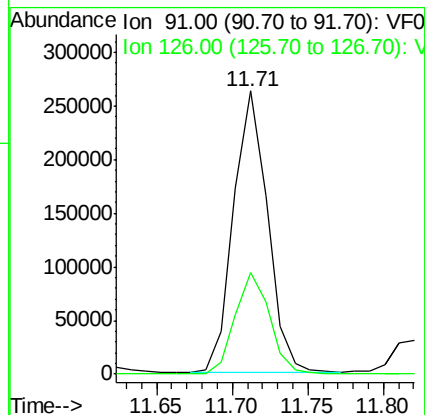
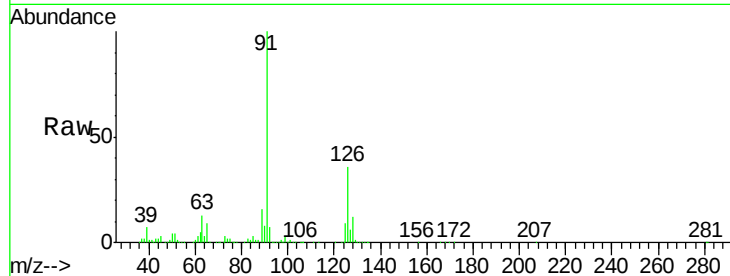
VSTDCCC050

Tot Ion: 91 Resp: 412577

Ion Ratio Lower Upper

91 100

126 35.7 18.1 54.4



#80

1,3,5-Trimethylbenzene

Concen: 45.573 ug/l

RT: 11.82 min Scan# 1135

Delta R.T. -0.01 min

Lab File: VF061883.D

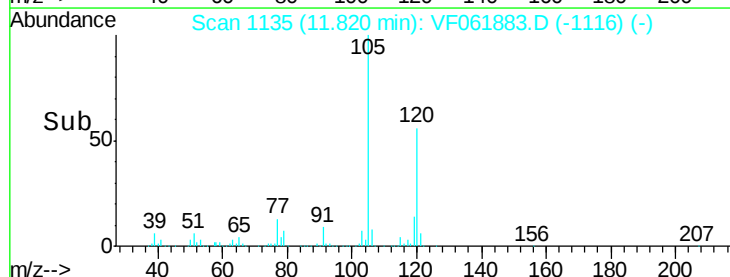
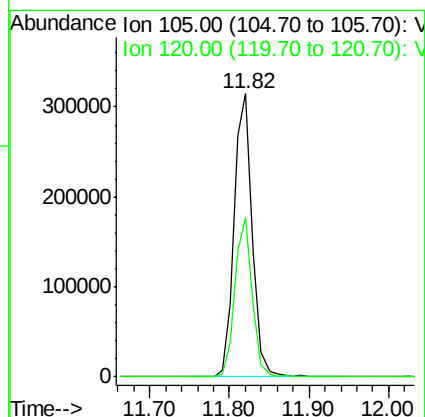
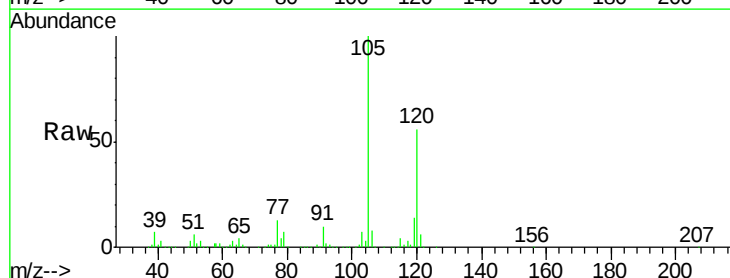
Acq: 11 Mar 2019 11:06

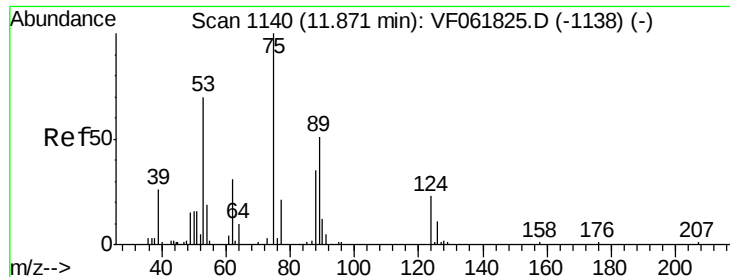
Tgt Ion:105 Resp: 503614

Ion Ratio Lower Upper

105 100

120 56.2 27.4 82.2





#81

trans-1,4-Dichloro-2-butene

Concen: 68.280 ug/l

RT: 11.86 min Scan# 1139

Delta R.T. -0.01 min

Lab File: VF061883.D

Acq: 11 Mar 2019 11:06

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

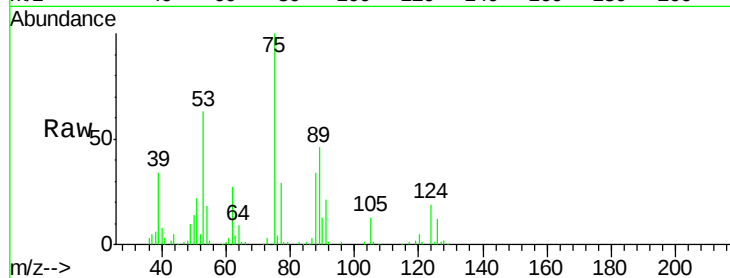
Tot Ion: 75 Resp: 48747

Ion Ratio Lower Upper

75 100

53 63.3 58.6 88.0

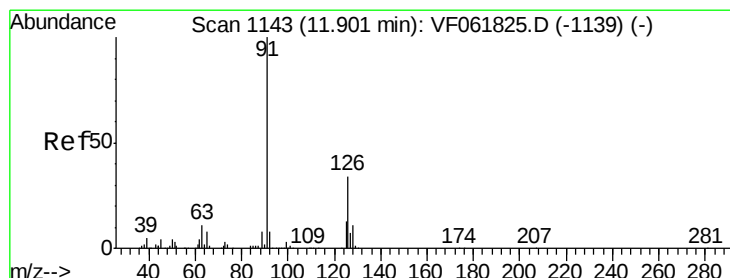
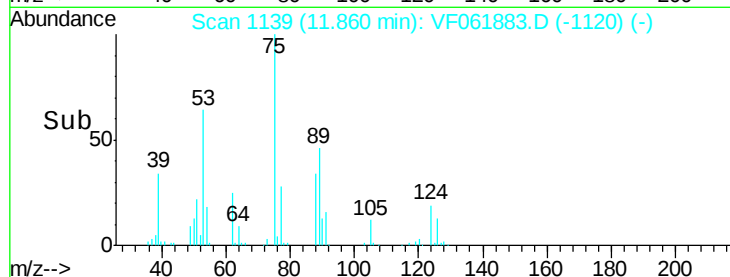
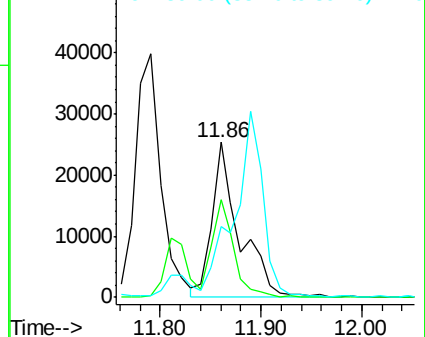
89 45.8 41.4 62.0



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 47.885 ug/l

RT: 11.89 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VF061883.D

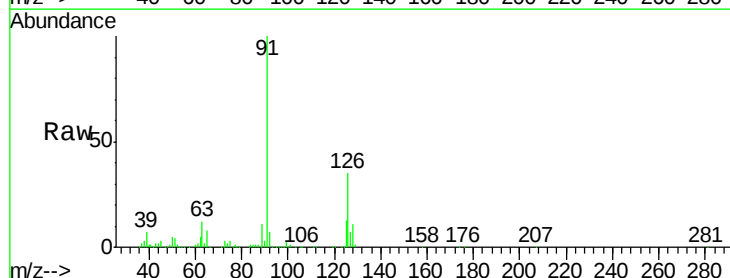
Acq: 11 Mar 2019 11:06

Tgt Ion: 91 Resp: 435252

Ion Ratio Lower Upper

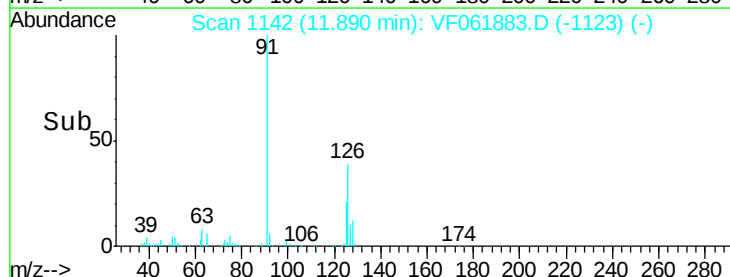
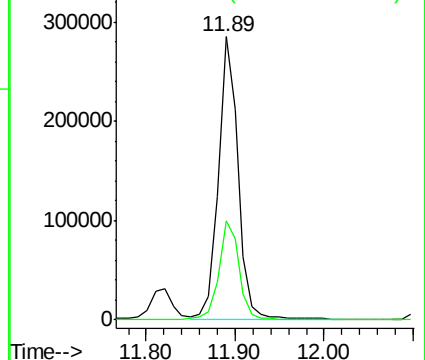
91 100

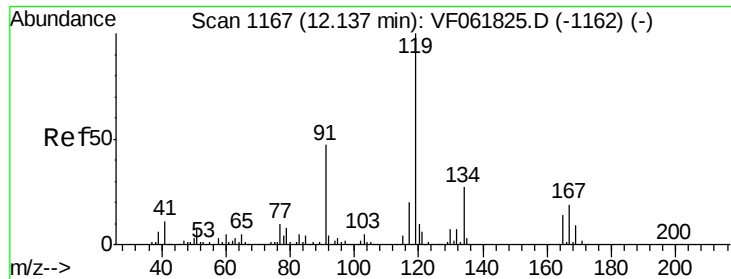
126 34.8 17.0 50.9



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

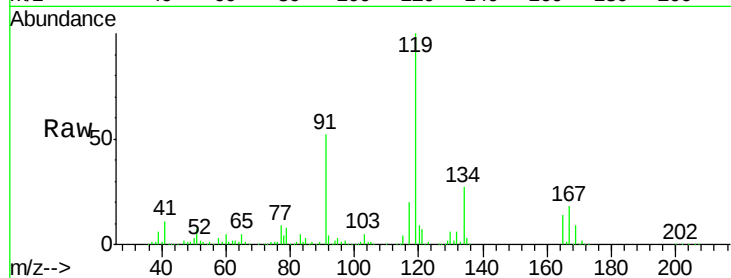




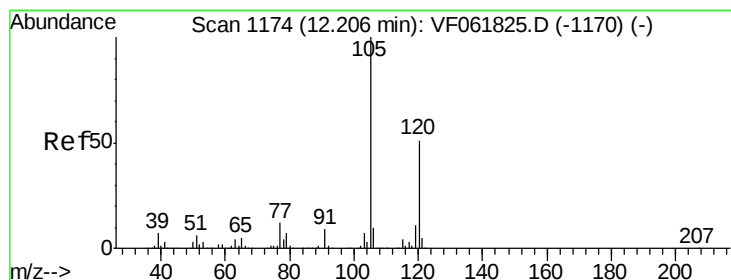
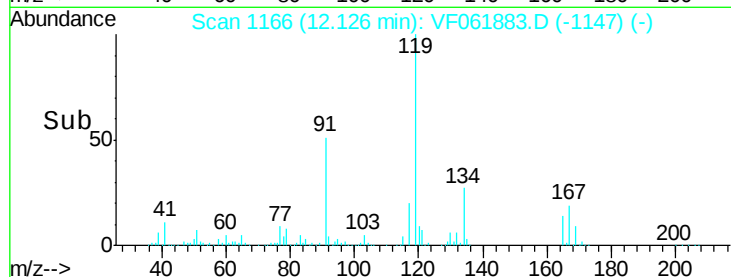
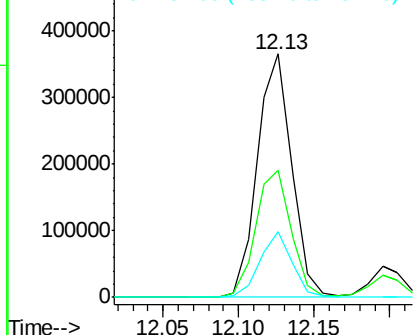
#83
tert-Butylbenzene
Concen: 49.581 ug/l
RT: 12.13 min Scan# 1166
Delta R.T. -0.01 min
Lab File: VF061883.D
Acq: 11 Mar 2019 11:06

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:119 Resp: 581791
Ion Ratio Lower Upper
119 100
91 52.3 23.5 70.5
134 26.8 13.3 39.8

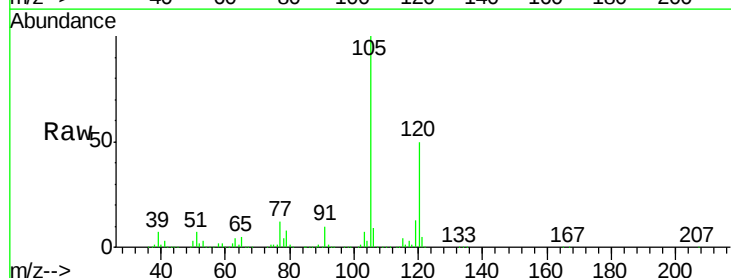


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VF0
Ion 134.00 (133.70 to 134.70): V

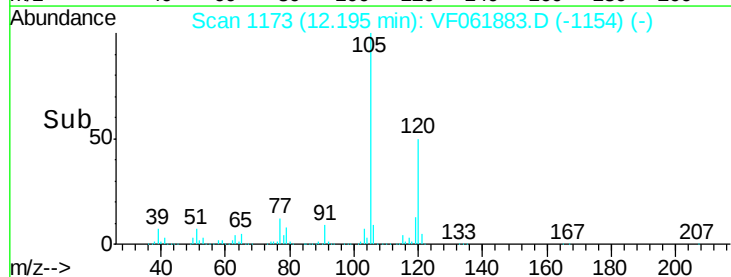
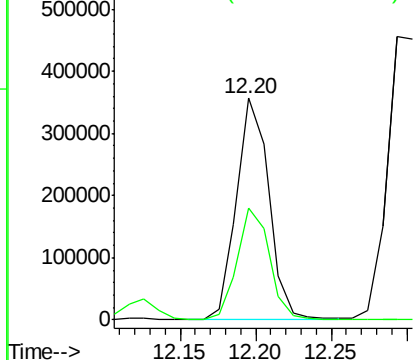


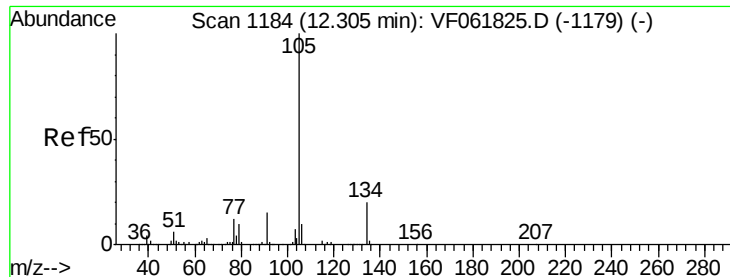
#84
1,2,4-Trimethylbenzene
Concen: 49.087 ug/l
RT: 12.20 min Scan# 1173
Delta R.T. -0.01 min
Lab File: VF061883.D
Acq: 11 Mar 2019 11:06

Tgt Ion:105 Resp: 531764
Ion Ratio Lower Upper
105 100
120 50.4 25.8 77.4



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

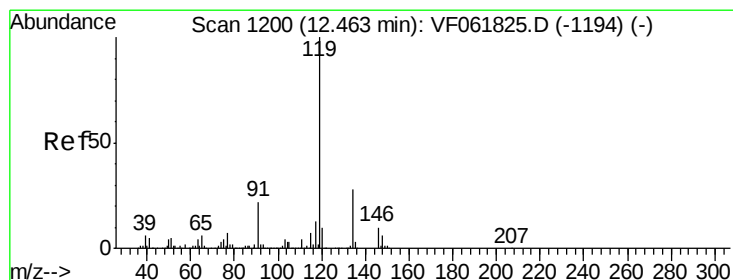
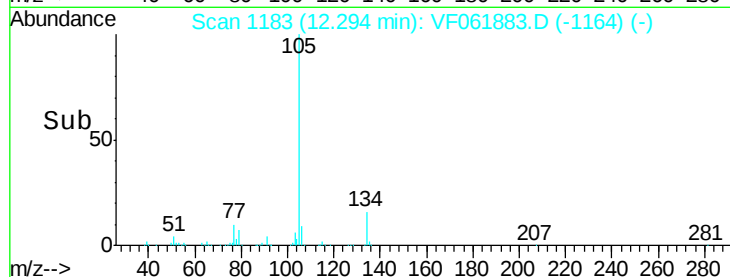
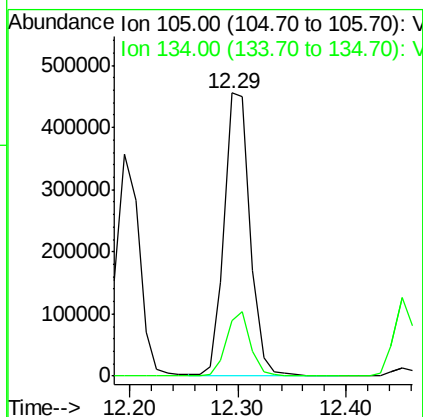
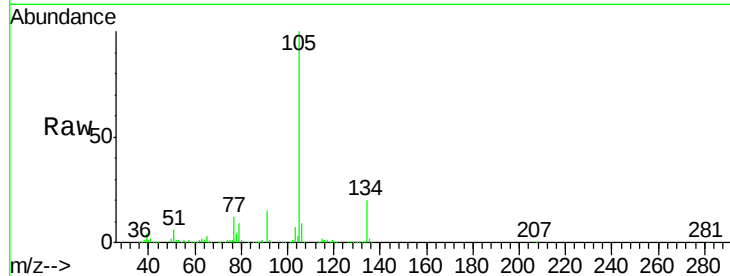




#85
 sec-Butylbenzene
 Concen: 49.856 ug/l
 RT: 12.29 min Scan# 1183
 Delta R.T. -0.01 min
 Lab File: VF061883.D
 Acq: 11 Mar 2019 11:06

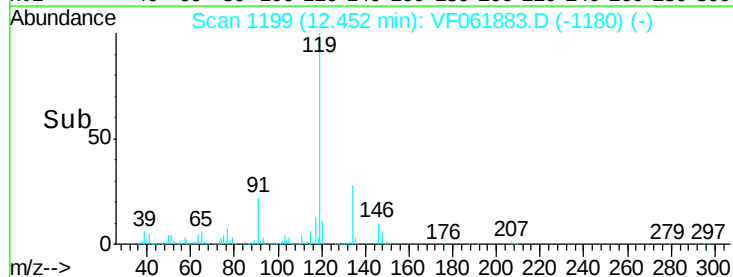
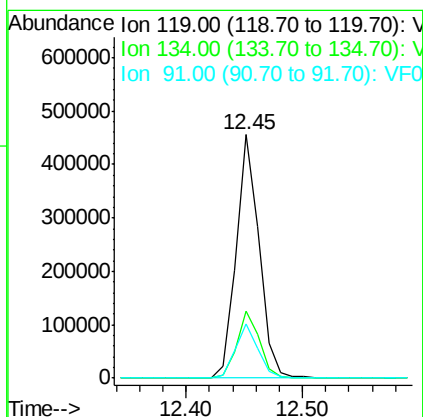
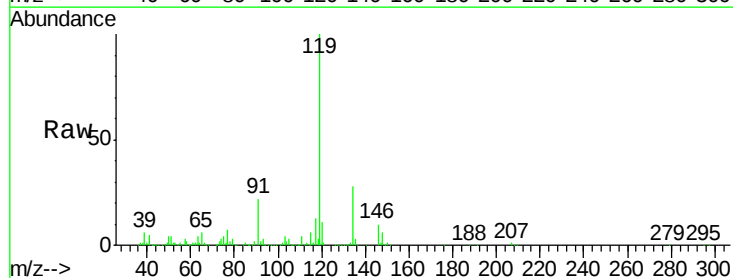
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

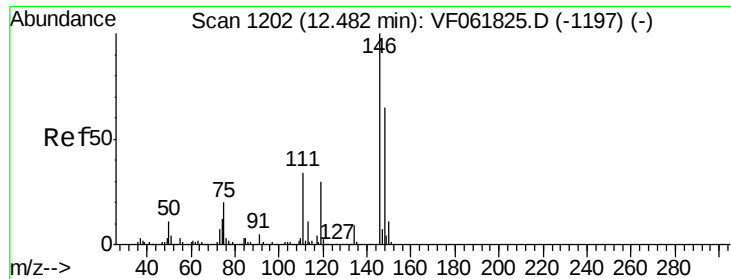
Tot Ion:105 Resp: 761305
 Ion Ratio Lower Upper
 105 100
 134 19.6 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 47.977 ug/l
 RT: 12.45 min Scan# 1199
 Delta R.T. -0.01 min
 Lab File: VF061883.D
 Acq: 11 Mar 2019 11:06

Tgt Ion:119 Resp: 622732
 Ion Ratio Lower Upper
 119 100
 134 27.6 14.0 42.0
 91 22.3 11.1 33.3

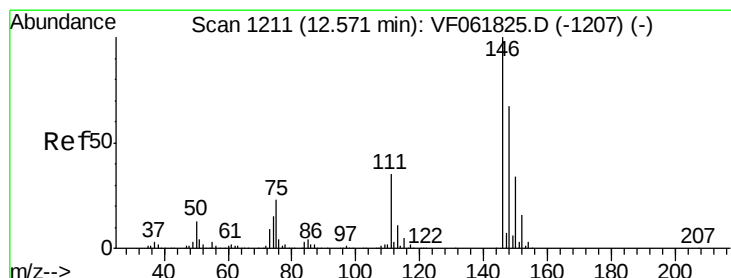
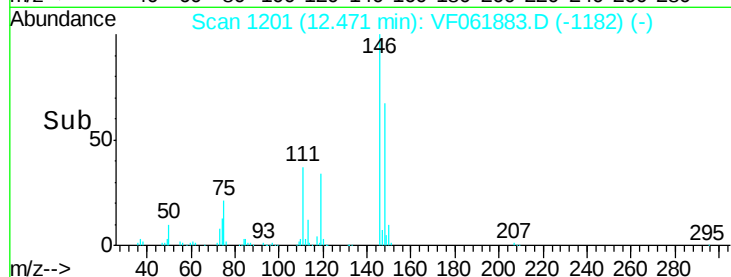
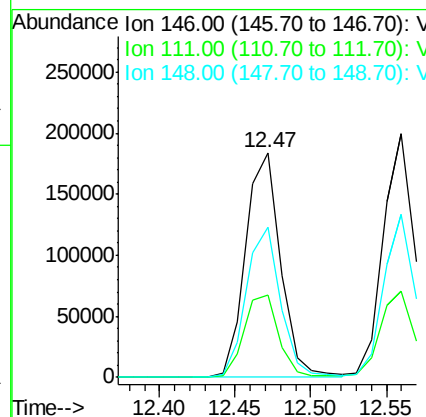
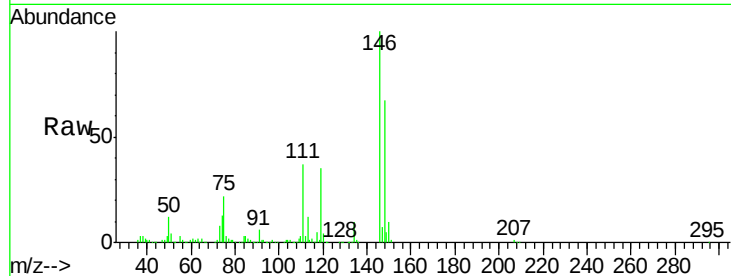




#87
 1,3-Dichlorobenzene
 Concen: 47.197 ug/l
 RT: 12.47 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: VF061883.D
 Acq: 11 Mar 2019 11:06

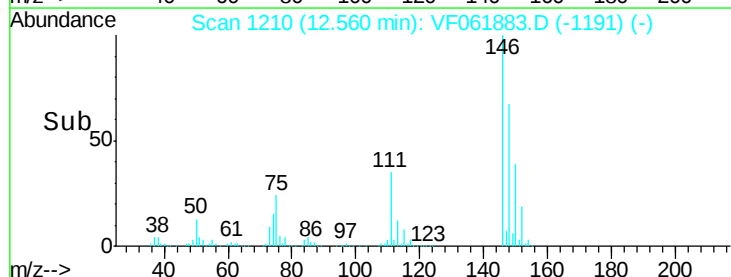
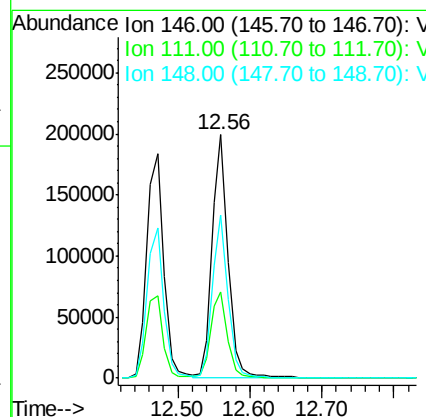
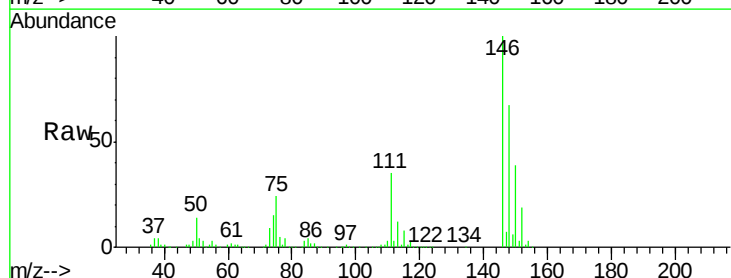
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

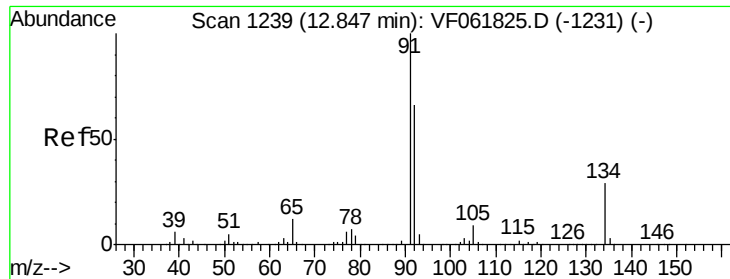
Tot Ion:146 Resp: 296858
 Ion Ratio Lower Upper
 146 100
 111 36.8 17.0 51.0
 148 66.9 32.5 97.5



#88
 1,4-Dichlorobenzene
 Concen: 50.043 ug/l
 RT: 12.56 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: VF061883.D
 Acq: 11 Mar 2019 11:06

Tgt Ion:146 Resp: 303631
 Ion Ratio Lower Upper
 146 100
 111 35.4 17.6 52.9
 148 67.1 33.5 100.4





#89

n-Butylbenzene

Concen: 48.710 ug/l

RT: 12.84 min Scan# 1238

Delta R.T. -0.01 min

Lab File: VF061883.D

Acq: 11 Mar 2019 11:06

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

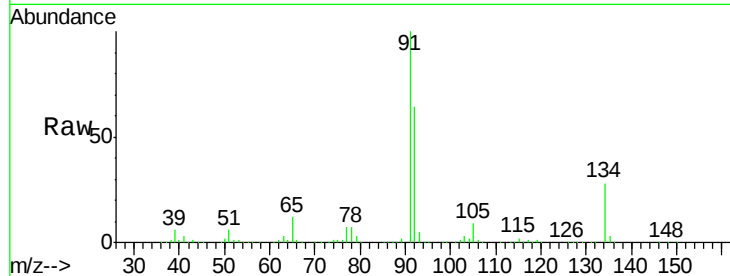
Tot Ion: 91 Resp: 604226

Ion Ratio Lower Upper

91 100

92 64.2 32.9 98.6

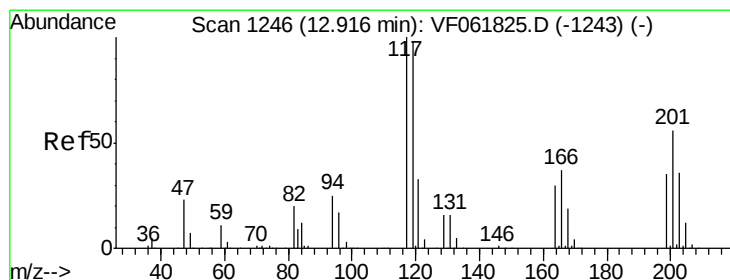
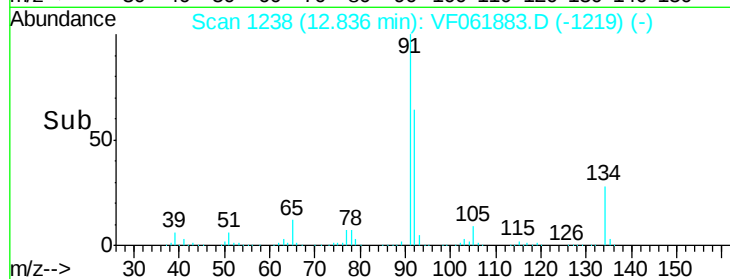
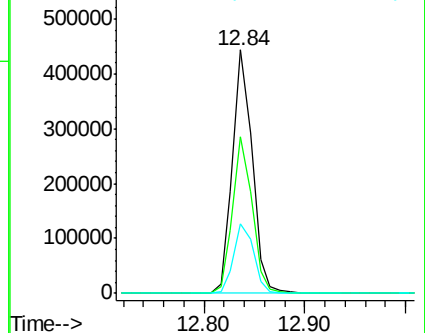
134 28.4 14.5 43.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 50.723 ug/l

RT: 12.92 min Scan# 1246

Delta R.T. -0.00 min

Lab File: VF061883.D

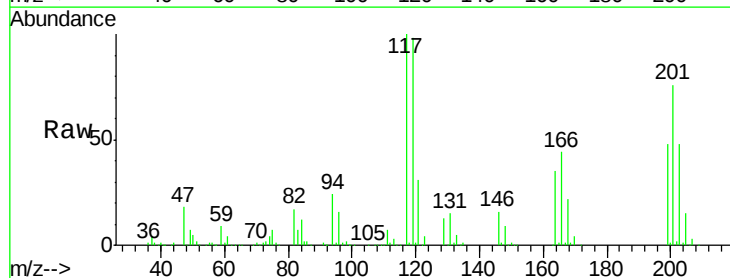
Acq: 11 Mar 2019 11:06

Tgt Ion: 117 Resp: 158470

Ion Ratio Lower Upper

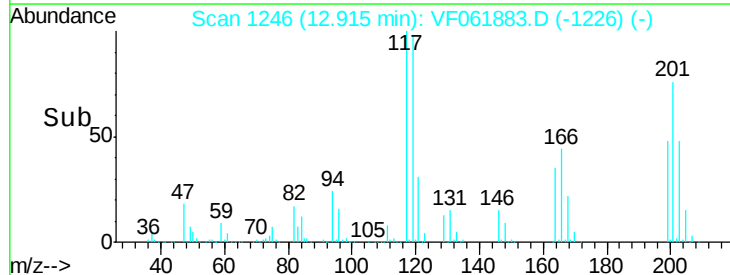
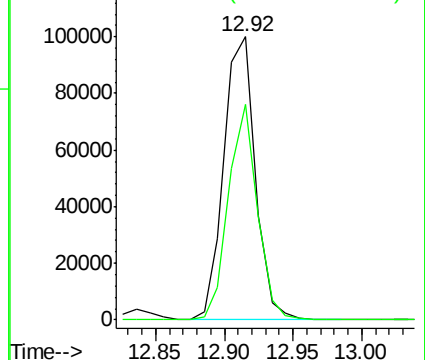
117 100

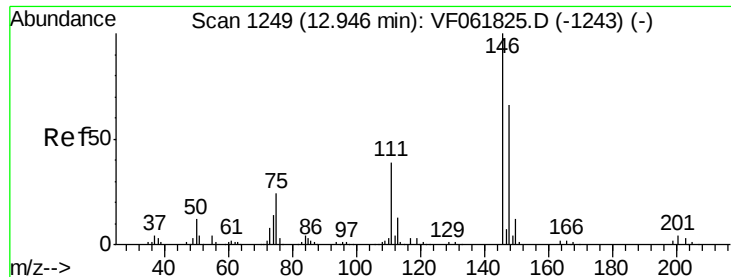
201 76.3 27.8 83.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V

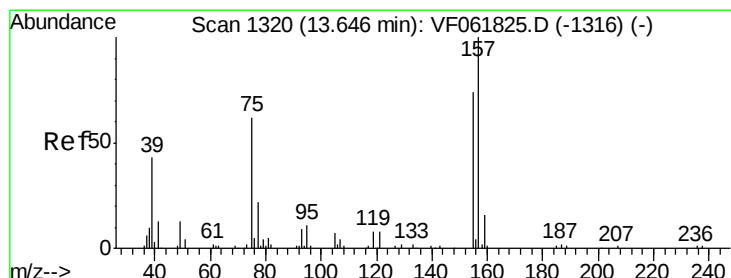
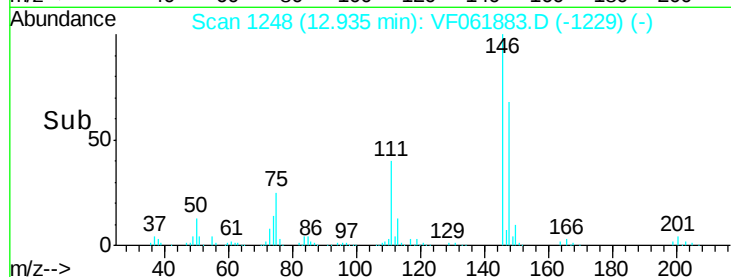
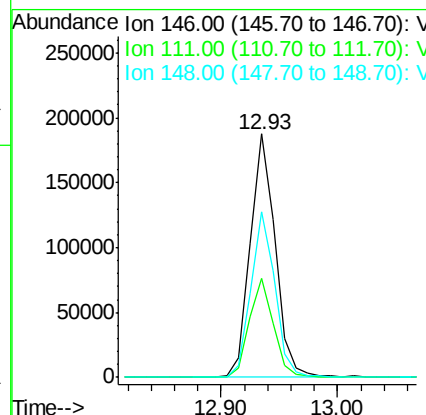
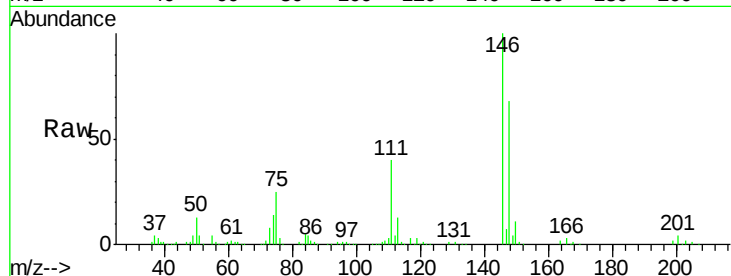




#91
 1,2-Dichlorobenzene
 Concen: 46.932 ug/l
 RT: 12.93 min Scan# 1248
 Delta R.T. -0.01 min
 Lab File: VF061883.D
 Acq: 11 Mar 2019 11:06

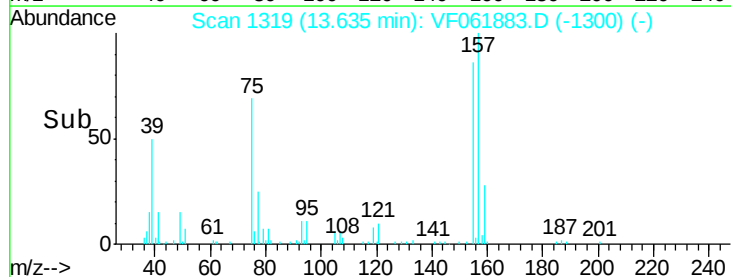
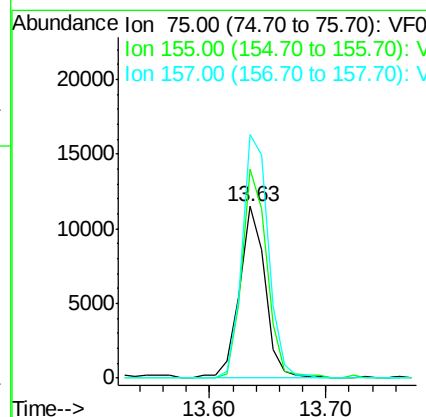
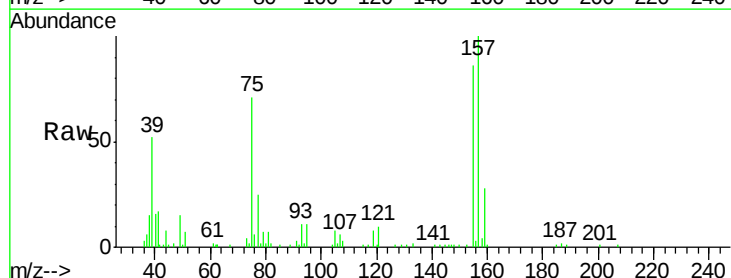
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

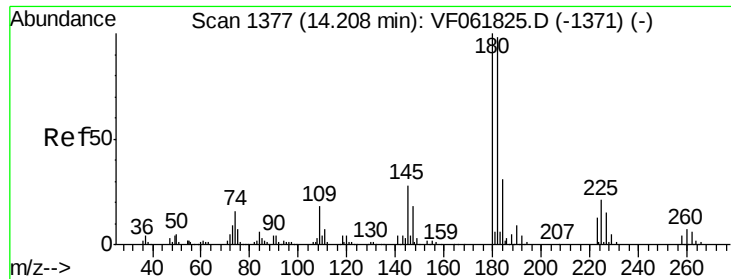
Tot Ion:146 Resp: 279680
 Ion Ratio Lower Upper
 146 100
 111 40.5 19.4 58.4
 148 68.3 33.0 98.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.042 ug/l
 RT: 13.63 min Scan# 1319
 Delta R.T. -0.01 min
 Lab File: VF061883.D
 Acq: 11 Mar 2019 11:06

Tgt Ion: 75 Resp: 17732
 Ion Ratio Lower Upper
 75 100
 155 122.1 59.8 179.4
 157 141.8 81.2 243.4

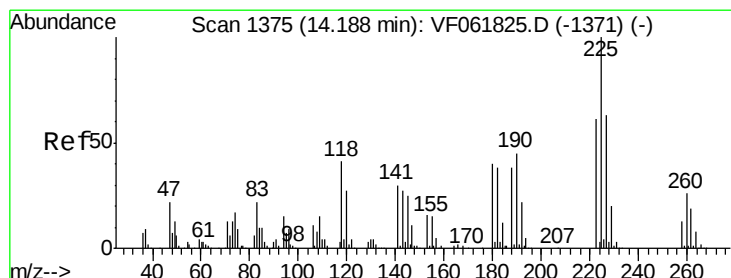
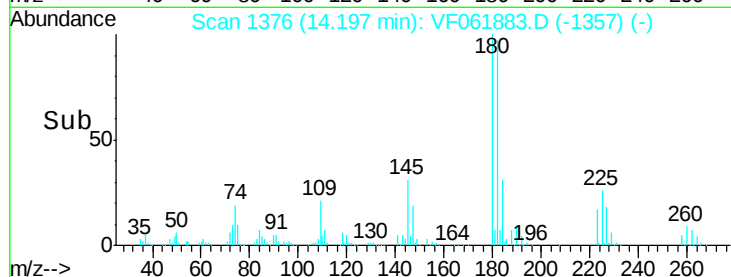
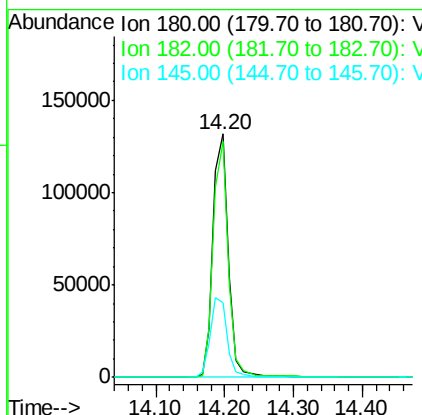
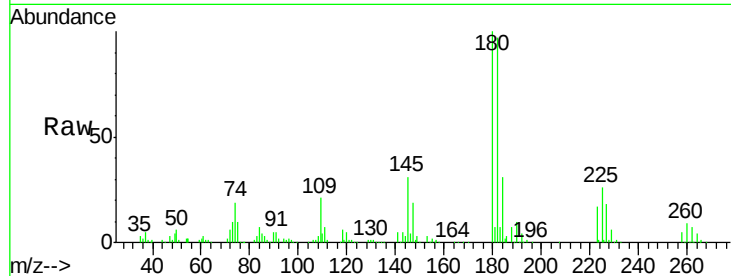




#93
 1,2,4-Trichlorobenzene
 Concen: 49.136 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. -0.01 min
 Lab File: VF061883.D
 Acq: 11 Mar 2019 11:06

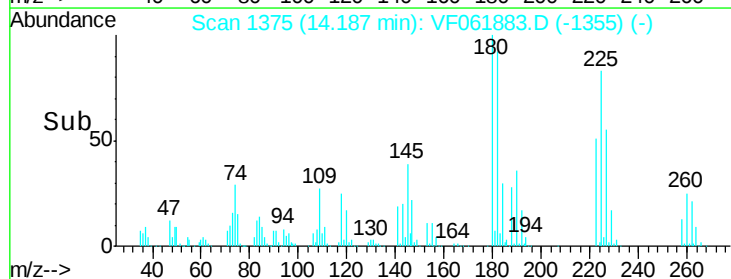
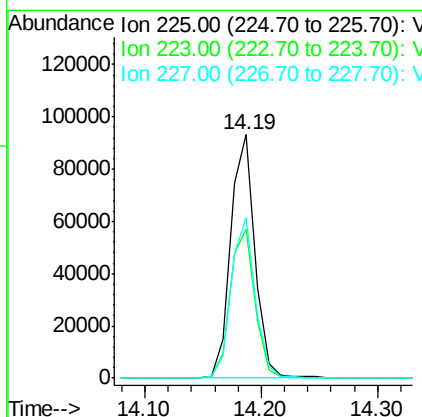
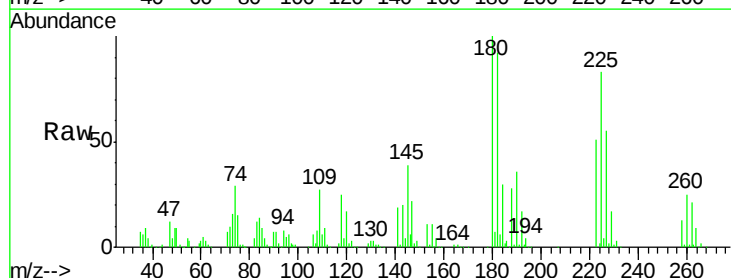
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

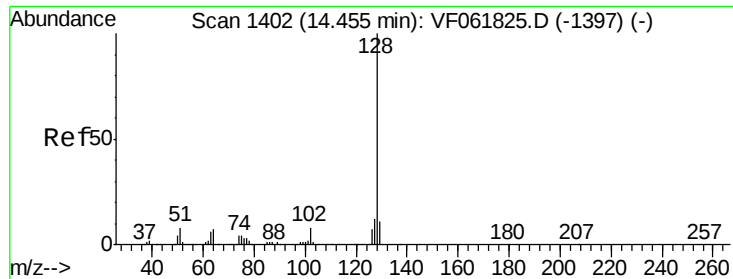
Tot Ion:180 Resp: 205281
 Ion Ratio Lower Upper
 180 100
 182 97.1 49.0 147.2
 145 30.6 14.1 42.4



#94
 Hexachlorobutadiene
 Concen: 46.338 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.00 min
 Lab File: VF061883.D
 Acq: 11 Mar 2019 11:06

Tgt Ion:225 Resp: 134018
 Ion Ratio Lower Upper
 225 100
 223 61.1 30.3 90.9
 227 65.7 31.3 93.8

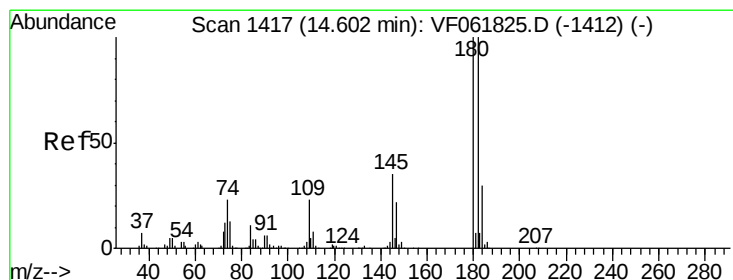
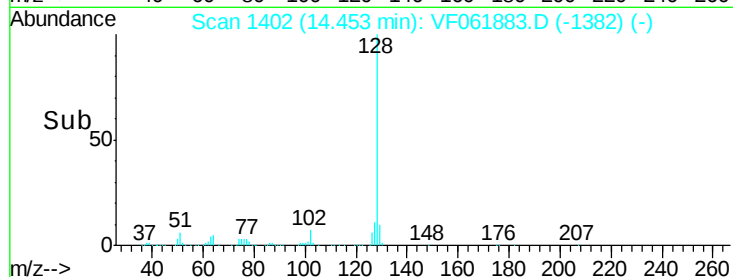
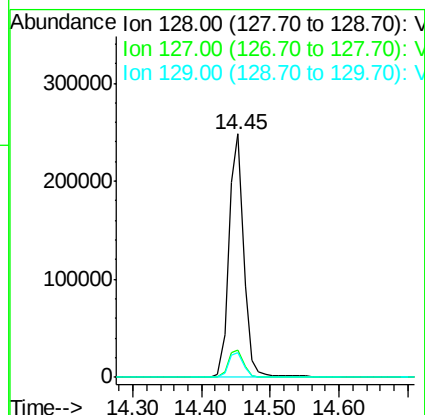
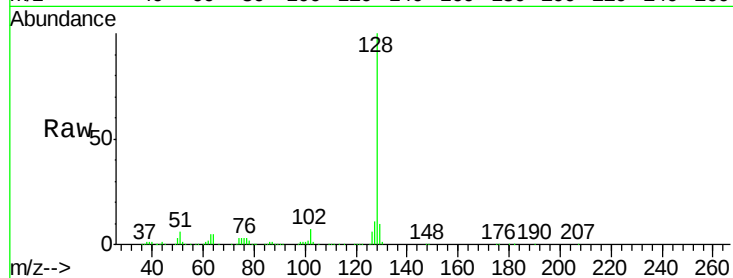




#95
Naphthalene
Concen: 49.854 ug/l
RT: 14.45 min Scan# 1402
Delta R.T. -0.00 min
Lab File: VF061883.D
Acq: 11 Mar 2019 11:06

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 370965
Ion Ratio Lower Upper
128 100
127 11.4 9.3 13.9
129 10.3 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 49.656 ug/l
RT: 14.60 min Scan# 1417
Delta R.T. -0.00 min
Lab File: VF061883.D
Acq: 11 Mar 2019 11:06

Tgt Ion:180 Resp: 191543
Ion Ratio Lower Upper
180 100
182 95.4 50.2 150.7
145 29.1 17.5 52.5

