

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF030519\
 Data File : VF061859.D
 Acq On : 5 Mar 2019 22:22
 Operator : VA/AP
 Sample : VSTDCCC050EC
 Misc : 5.00µl/5mL/MSVOA-F/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Mar 06 05:46:34 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	4.87	168	300195	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	459610	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.77	117	396607	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	213867	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.84	65	116072	53.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.18%	
35) Dibromofluoromethane	4.11	113	163856	51.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.18%	
50) Toluene-d8	7.55	98	496960	52.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.26%	
62) 4-Bromofluorobenzene	11.41	95	186908	50.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.97	85	178283	48.374	ug/l	92
3) Chloromethane	1.10	50	171754	48.086	ug/l	96
4) Vinyl Chloride	1.14	62	171224	50.498	ug/l	98
5) Bromomethane	1.33	94	130128	56.314	ug/l	92
6) Chloroethane	1.39	64	86684	53.783	ug/l	92
7) Trichlorofluoromethane	1.49	101	224168	54.132	ug/l	99
8) Diethyl Ether	1.63	74	51264	54.437	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	1.83	101	146509	52.098	ug/l	95
10) Methyl Iodide	1.90	142	225014	42.046	ug/l	96
11) Tert butyl alcohol	2.58	59	31772	256.052	ug/l	95
12) 1,1-Dichloroethene	1.79	96	135106	52.624	ug/l	86
13) Acrolein	2.00	56	41487	263.864	ug/l	99
14) Allyl chloride	2.09	41	166873	58.999	ug/l	96
15) Acrylonitrile	2.95	53	101638	257.235	ug/l	99
16) Acetone	2.24	43	101244	221.087	ug/l	99
17) Carbon Disulfide	1.82	76	316599	39.616	ug/l	98
18) Methyl Acetate	2.43	43	47303	53.702	ug/l	97
19) Methyl tert-butyl Ether	2.43	73	230974	53.181	ug/l	97
20) Methylene Chloride	2.18	84	51741	16.849	ug/l	93
21) trans-1,2-Dichloroethene	2.31	96	144901	59.967	ug/l	92
22) Diisopropyl ether	2.80	45	390134	53.026	ug/l	97
23) Vinyl Acetate	3.19	43	852270	259.300	ug/l	99
24) 1,1-Dichloroethane	2.87	63	236338	53.742	ug/l	99
25) 2-Butanone	4.33	43	230764	247.738	ug/l	92
26) 2,2-Dichloropropane	3.60	77	98602	50.227	ug/l	99
27) cis-1,2-Dichloroethene	3.47	96	179094	53.498	ug/l	98
28) Bromochloromethane	3.72	49	96296	50.234	ug/l	93
29) Tetrahydrofuran	4.07	42	97272	242.138	ug/l	98
30) Chloroform	3.86	83	257834	51.330	ug/l	94
31) Cyclohexane	3.69	56	232126	50.396	ug/l	99
32) 1,1,1-Trichloroethane	4.09	97	188280	60.811	ug/l	97
36) 1,1-Dichloropropene	4.28	75	224701	51.756	ug/l	97
37) Ethyl Acetate	4.11	43	86504	47.470	ug/l	99
38) Carbon Tetrachloride	3.98	117	164822	53.629	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	257873	50.287	ug/l	98
40) Benzene	4.63	78	589454	51.942	ug/l	97
41) Methacrylonitrile	4.74	41	48758	48.836	ug/l	96
42) 1,2-Dichloroethane	4.94	62	147056	51.998	ug/l	94
43) Isopropyl Acetate	6.96	43	109701	48.837	ug/l #	98
44) Trichloroethene	5.50	130	183606	52.062	ug/l	94
45) 1,2-Dichloropropane	6.23	63	140724	52.148	ug/l	95
46) Dibromomethane	6.08	93	89364	52.618	ug/l	96
47) Bromodichloromethane	6.38	83	198562	52.920	ug/l	95
48) Methyl methacrylate	6.72	41	66534	46.802	ug/l #	89
49) 1,4-Dioxane	6.71	88	11814	909.077	ug/l #	93
51) 4-Methyl-2-Pentanone	8.25	43	381252	245.576	ug/l	98
52) Toluene	7.62	92	335133	49.920	ug/l	100
53) t-1,3-Dichloropropene	8.27	75	160123	51.700	ug/l	96
54) cis-1,3-Dichloropropene	7.30	75	215428	50.428	ug/l	99
55) 1,1,2-Trichloroethane	8.49	97	101163	52.300	ug/l	96
56) Ethyl methacrylate	8.62	69	105697	48.486	ug/l	97
57) 1,3-Dichloropropane	8.86	76	165565	52.339	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.30	63	89467	259.441	ug/l	99
59) 2-Hexanone	9.49	43	247887	221.331	ug/l	99
60) Dibromochloromethane	8.72	129	148777	53.966	ug/l	95
61) 1,2-Dibromoethane	8.98	107	113204	53.220	ug/l	100
64) Tetrachloroethene	8.16	164	169444	55.601	ug/l	99
65) Chlorobenzene	9.79	112	396839	52.081	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.93	131	153755	52.081	ug/l	99
67) Ethyl Benzene	9.90	91	682618	54.050	ug/l	100
68) m/p-Xylenes	10.13	106	489920	101.262	ug/l	96
69) o-Xylene	10.71	106	270499	51.922	ug/l	99
70) Styrene	10.79	104	363247	49.544	ug/l	99
71) Bromoform	10.77	173	77987	49.982	ug/l	98
73) Isopropylbenzene	11.12	105	782551	53.150	ug/l	100
74) N-amyl acetate	11.37	43	168657	49.757	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.70	83	120970	49.434	ug/l	99
76) 1,2,3-Trichloropropane	11.79	75	86337	51.694	ug/l	98
77) Bromobenzene	11.49	156	184036	51.937	ug/l	96
78) n-propylbenzene	11.59	91	840389	50.543	ug/l	99
79) 2-Chlorotoluene	11.72	91	477184	50.198	ug/l	99
80) 1,3,5-Trimethylbenzene	11.82	105	591411	50.030	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.86	75	46916	61.432	ug/l	95
82) 4-Chlorotoluene	11.89	91	485486	49.931	ug/l	98
83) tert-Butylbenzene	12.13	119	660614	52.629	ug/l	92
84) 1,2,4-Trimethylbenzene	12.20	105	602036	51.952	ug/l	98
85) sec-Butylbenzene	12.31	105	861845	52.762	ug/l	94
86) p-Isopropyltoluene	12.45	119	716502	51.603	ug/l	99
87) 1,3-Dichlorobenzene	12.47	146	336525	50.016	ug/l	99
88) 1,4-Dichlorobenzene	12.56	146	347699	53.571	ug/l	99
89) n-Butylbenzene	12.84	91	672746	50.699	ug/l	99
90) Hexachloroethane	12.92	117	175291	52.450	ug/l	74
91) 1,2-Dichlorobenzene	12.94	146	321861	50.490	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.64	75	20701	48.812	ug/l	82

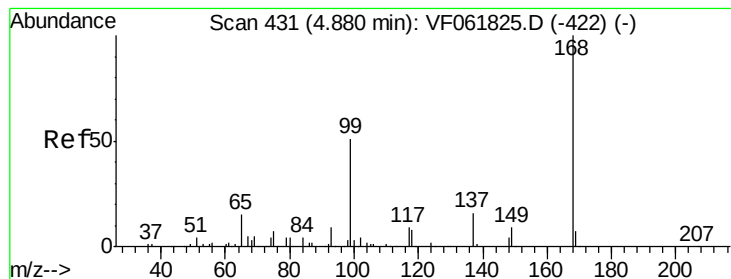
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF030519\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	225841	50.534	ug/l	99
94) Hexachlorobutadiene	14.19	225	154591	49.967	ug/l	98
95) Naphthalene	14.46	128	417599	52.463	ug/l	100
96) 1,2,3-Trichlorobenzene	14.60	180	209362	50.737	ug/l	92

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.01 min

Lab File: VF061859.D

Acq: 5 Mar 2019 22:22

Instrument :

MSVOA_F

ClientSampleId :

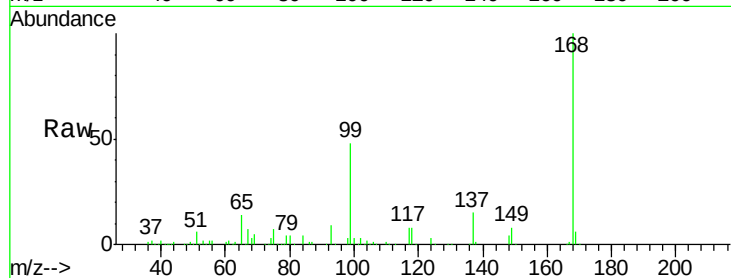
VSTDCCC050EC

Tot Ion:168 Resp: 300195

Ion Ratio Lower Upper

168 100

99 48.4 40.8 61.2



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.87

100000

80000

60000

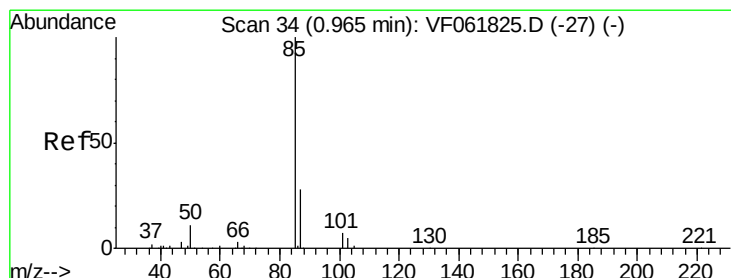
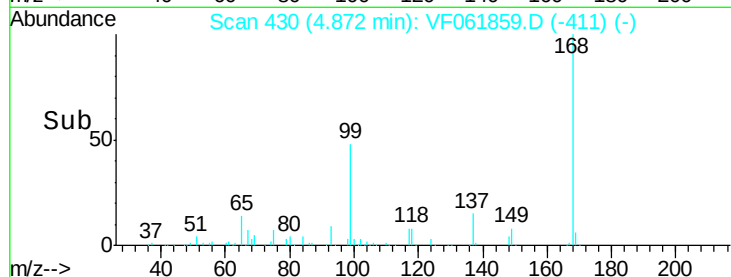
40000

20000

0

Time-->

4.70 4.80 4.90 5.00 5.10



#2

Dichlorodifluoromethane

Concen: 48.374 ug/l

RT: 0.97 min Scan# 34

Delta R.T. 0.00 min

Lab File: VF061859.D

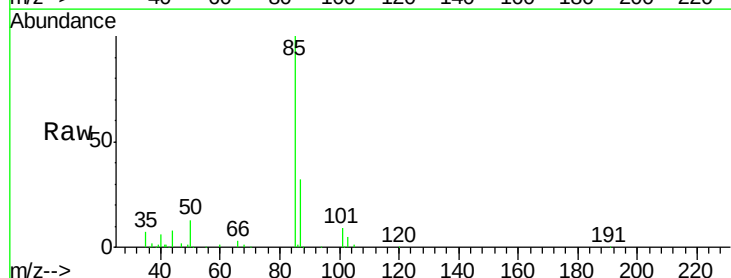
Acq: 5 Mar 2019 22:22

Tgt Ion: 85 Resp: 178283

Ion Ratio Lower Upper

85 100

87 32.3 14.1 42.2



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.97

50000

40000

30000

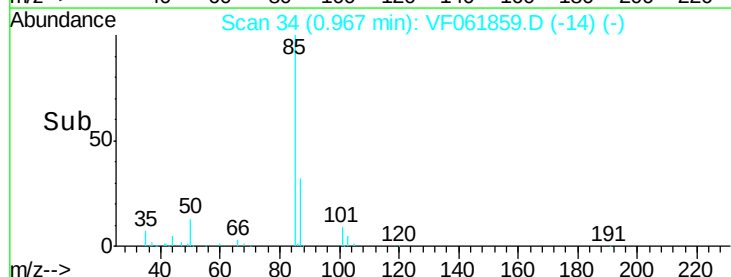
20000

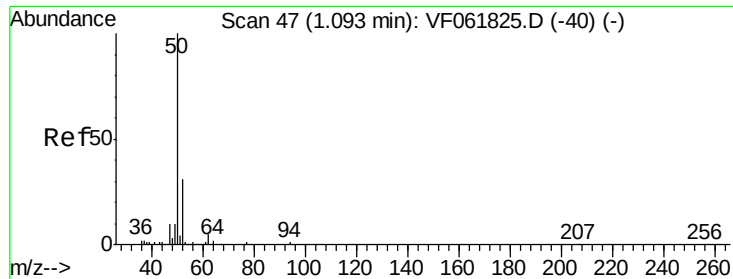
10000

0

Time-->

0.80 0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 48.086 ug/l

RT: 1.10 min Scan# 47

Delta R.T. 0.00 min

Lab File: VF061859.D

Acq: 5 Mar 2019 22:22

Instrument :

MSVOA_F

ClientSampleId :

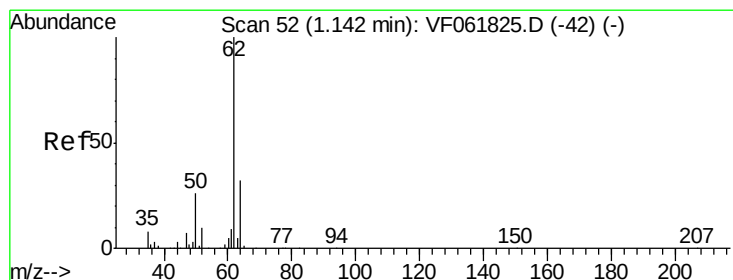
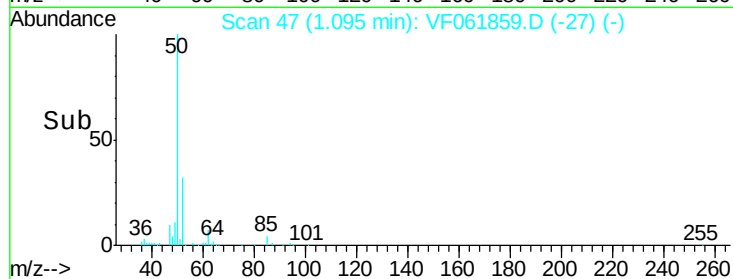
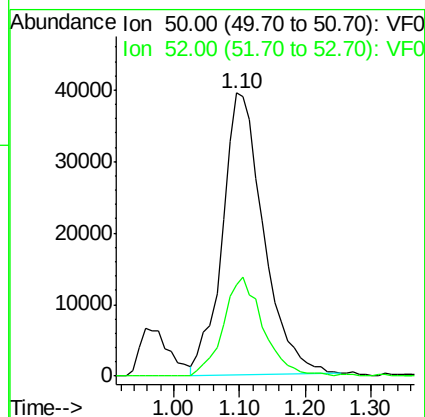
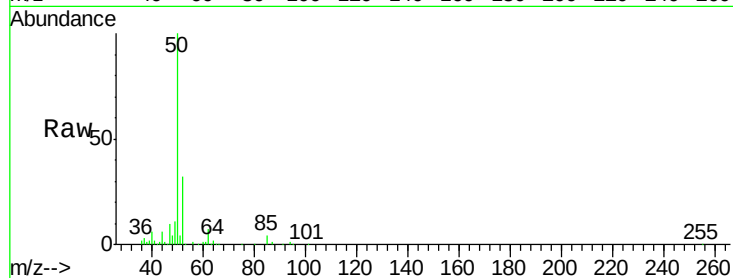
VSTDCCC050EC

Tot Ion: 50 Resp: 171754

Ion Ratio Lower Upper

50 100

52 32.1 23.8 35.8



#4

Vinyl Chloride

Concen: 50.498 ug/l

RT: 1.14 min Scan# 52

Delta R.T. 0.00 min

Lab File: VF061859.D

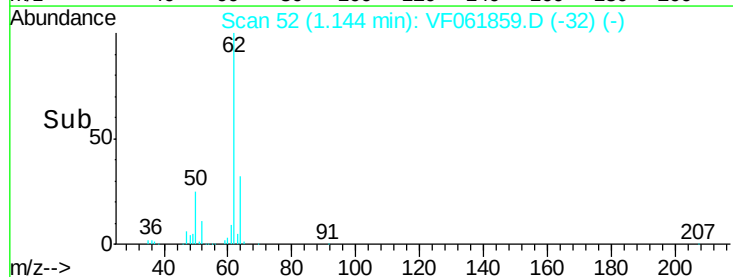
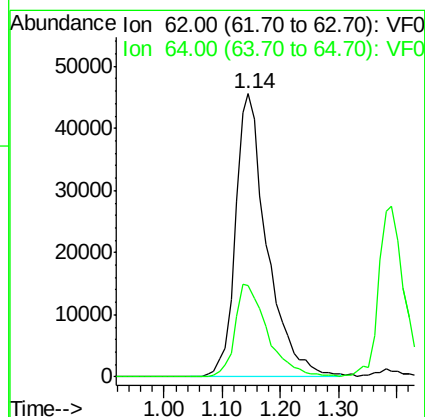
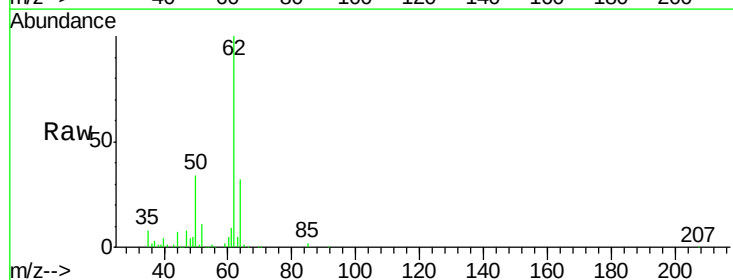
Acq: 5 Mar 2019 22:22

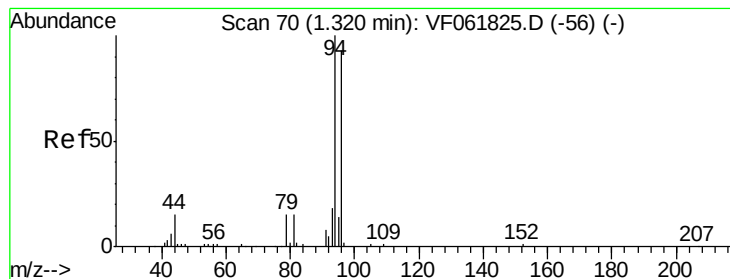
Tgt Ion: 62 Resp: 171224

Ion Ratio Lower Upper

62 100

64 32.4 25.2 37.8





#5

Bromomethane

Concen: 56.314 ug/l

RT: 1.33 min Scan# 71

Delta R.T. 0.01 min

Lab File: VF061859.D

Acq: 5 Mar 2019 22:22

Instrument :

MSVOA_F

ClientSampleId :

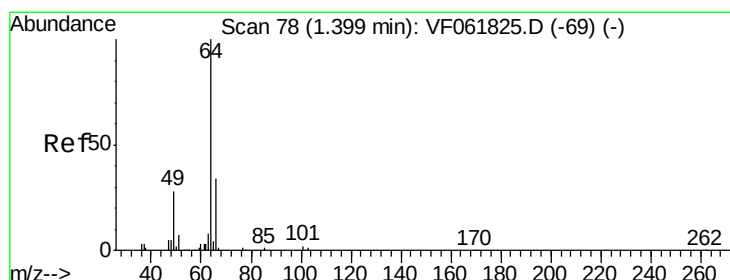
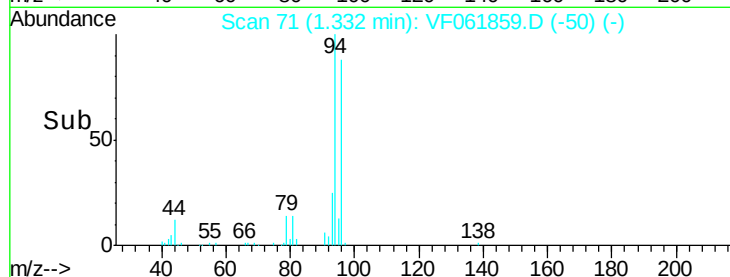
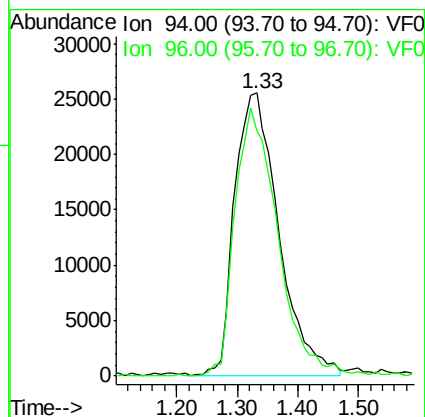
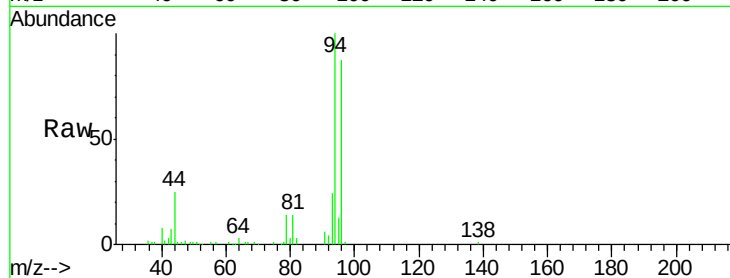
VSTDCCC050EC

Tot Ion: 94 Resp: 130128

Ion Ratio Lower Upper

94 100

96 86.6 75.2 112.8



#6

Chloroethane

Concen: 53.783 ug/l

RT: 1.39 min Scan# 77

Delta R.T. -0.01 min

Lab File: VF061859.D

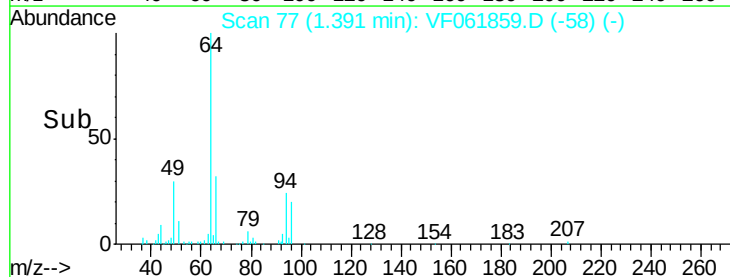
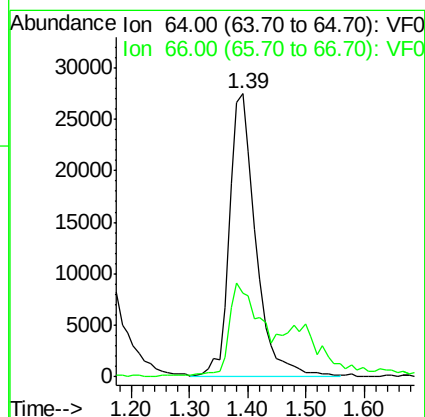
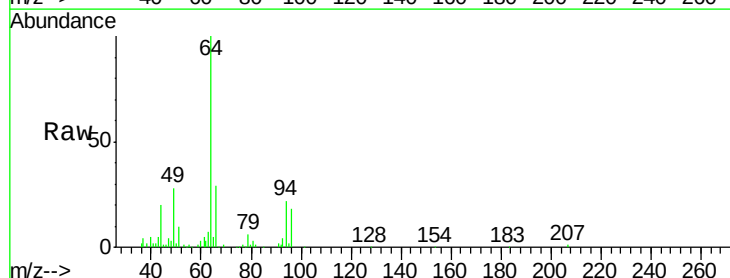
Acq: 5 Mar 2019 22:22

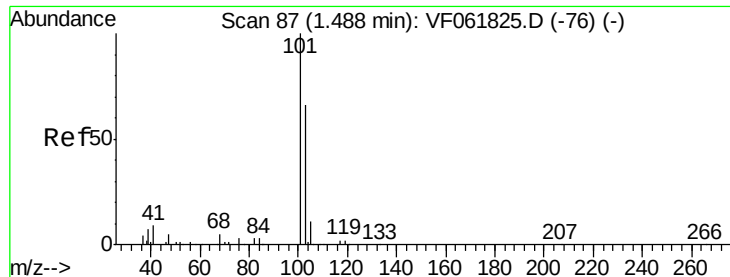
Tgt Ion: 64 Resp: 86684

Ion Ratio Lower Upper

64 100

66 29.4 27.0 40.4





#7

Trichlorofluoromethane

Concen: 54.132 ug/l

RT: 1.49 min Scan# 87

Delta R.T. 0.00 min

Lab File: VF061859.D

Acq: 5 Mar 2019 22:22

Instrument :

MSVOA_F

ClientSampleId :

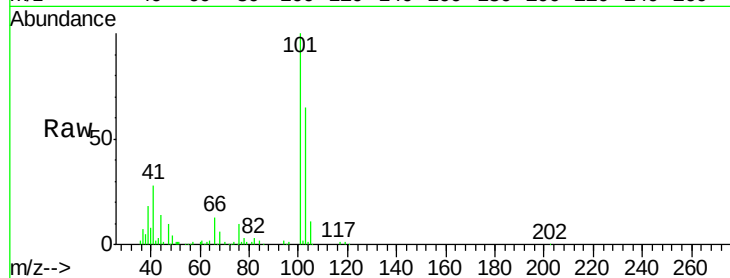
VSTDCCC050EC

Tot Ion:101 Resp: 224168

Ion Ratio Lower Upper

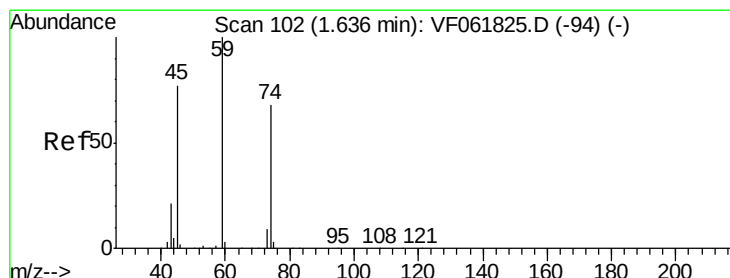
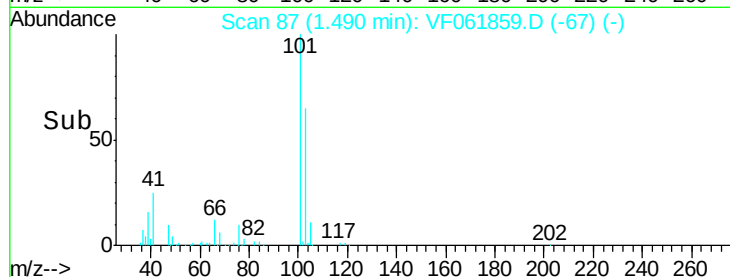
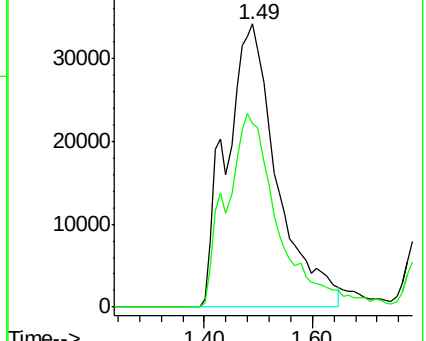
101 100

103 64.9 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: 54.437 ug/l

RT: 1.63 min Scan# 101

Delta R.T. -0.01 min

Lab File: VF061859.D

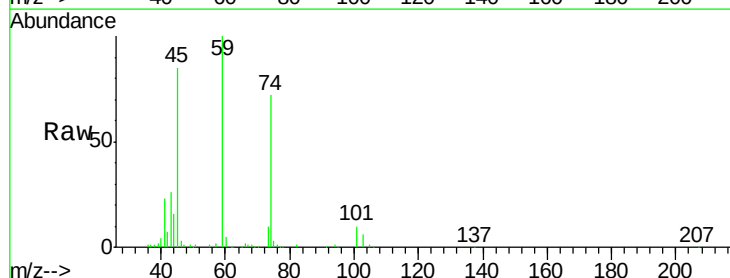
Acq: 5 Mar 2019 22:22

Tgt Ion: 74 Resp: 51264

Ion Ratio Lower Upper

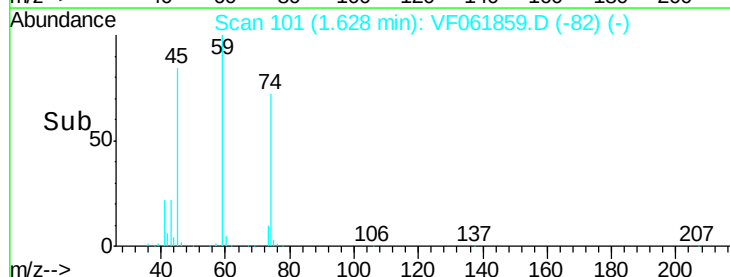
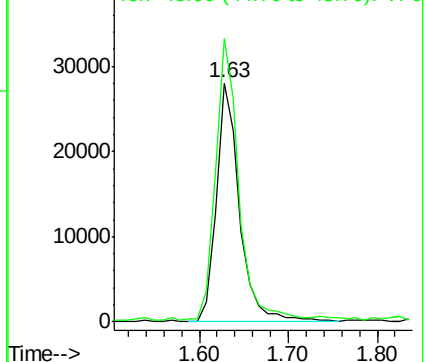
74 100

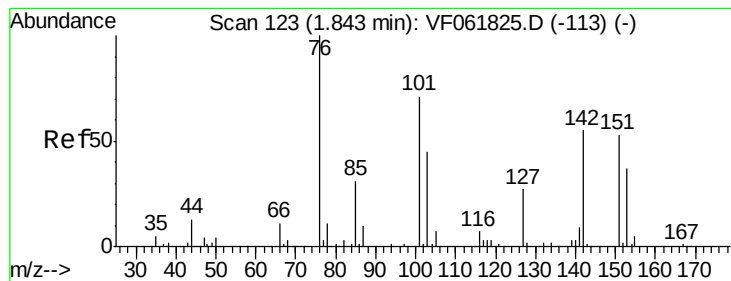
45 118.5 57.2 171.6



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: 52.098 ug/l

RT: 1.83 min Scan# 122

Delta R.T. -0.01 min

Lab File: VF061859.D

Acq: 5 Mar 2019 22:22

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

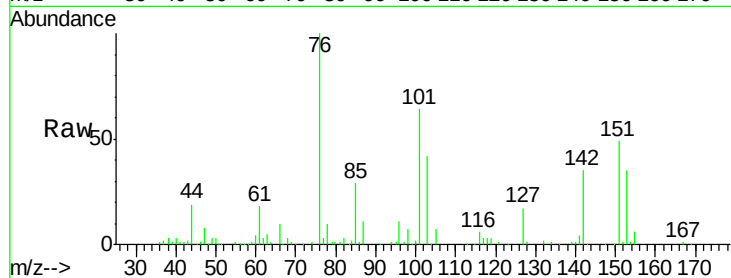
Tot Ion:101 Resp: 146509

Ion Ratio Lower Upper

101 100

85 45.6 34.0 51.0

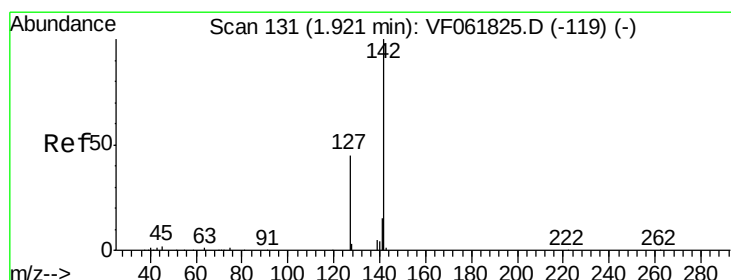
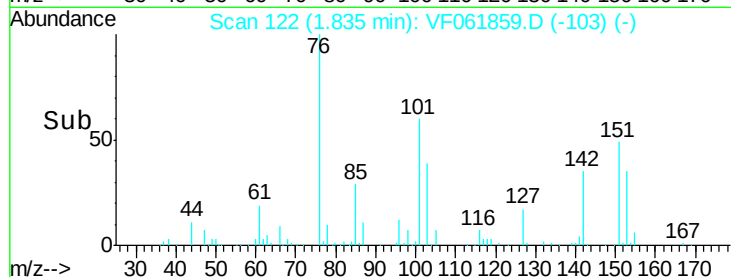
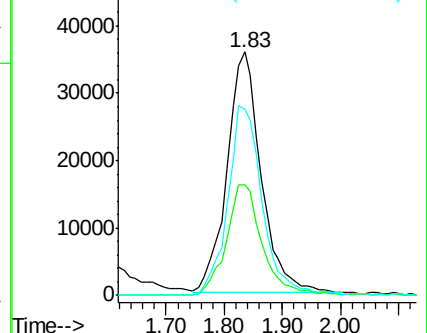
151 76.3 57.3 85.9



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: 42.046 ug/l

RT: 1.90 min Scan# 129

Delta R.T. -0.02 min

Lab File: VF061859.D

Acq: 5 Mar 2019 22:22

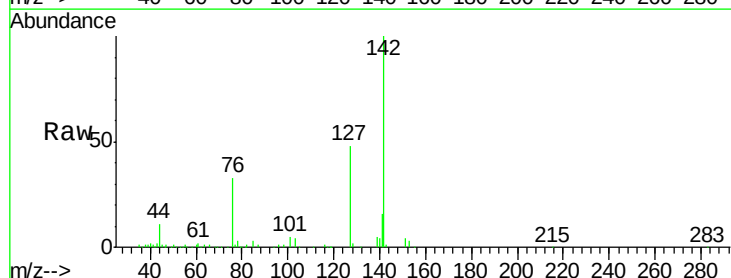
Tgt Ion:142 Resp: 225014

Ion Ratio Lower Upper

142 100

127 47.8 35.8 53.6

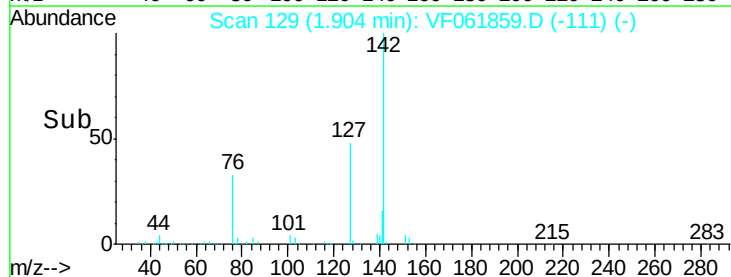
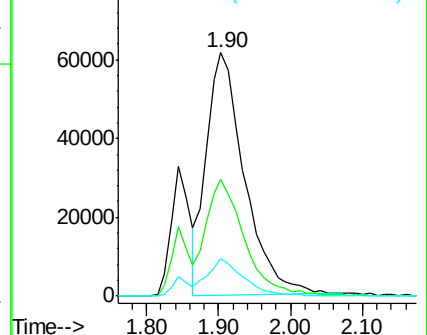
141 15.6 11.7 17.5

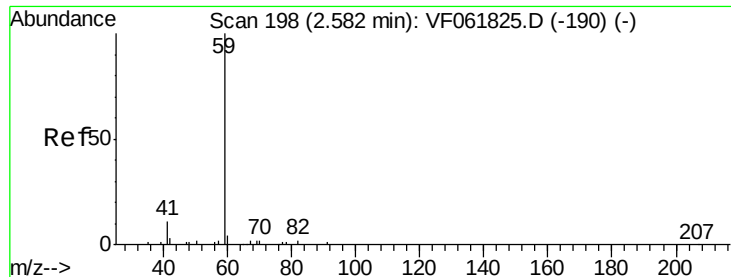


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



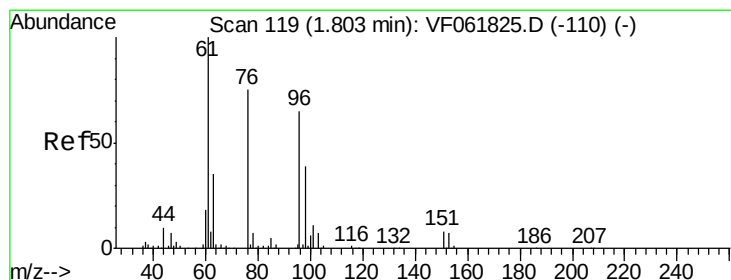
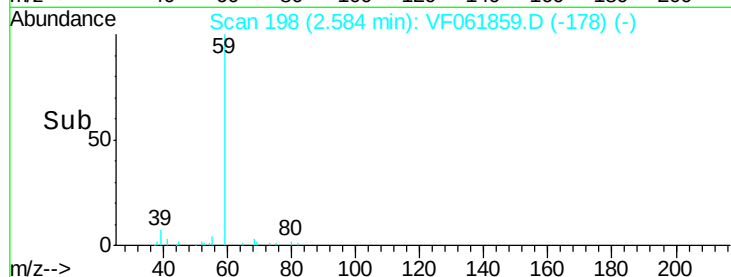
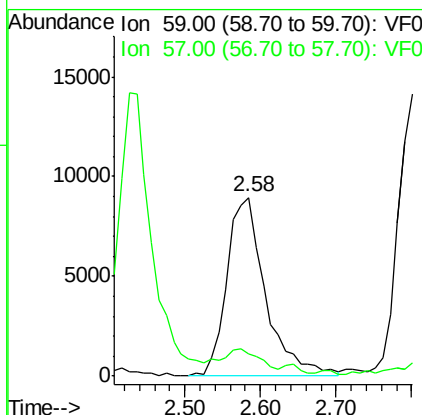
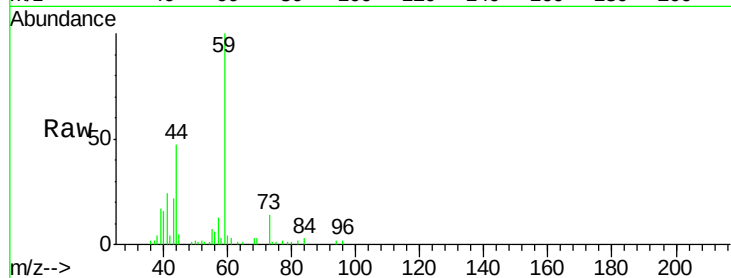


#11

Tert butyl alcohol
 Concen: 256.052 ug/l
 RT: 2.58 min Scan# 198
 Delta R.T. 0.00 min
 Lab File: VF061859.D
 Acq: 5 Mar 2019 22:22

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

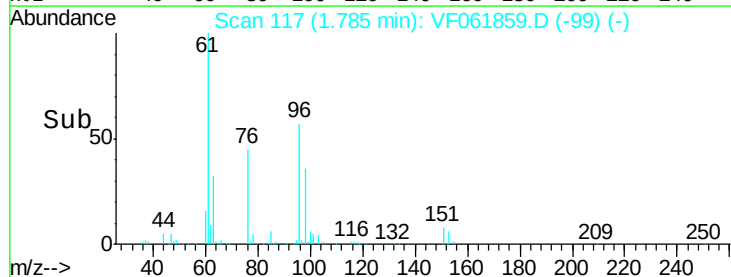
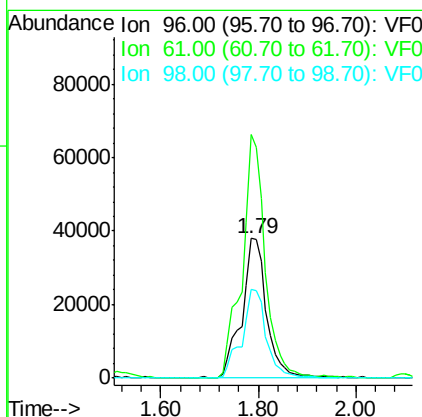
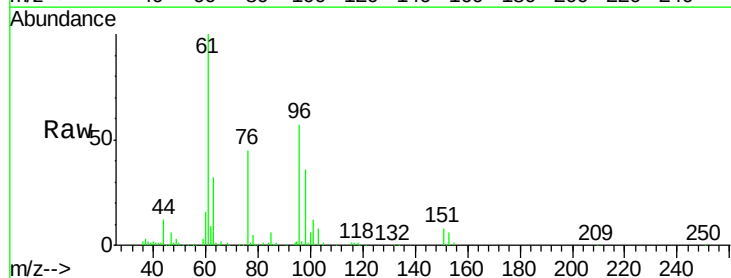
Tot Ion: 59 Resp: 31772
 Ion Ratio Lower Upper
 59 100
 57 12.7 11.8 17.6

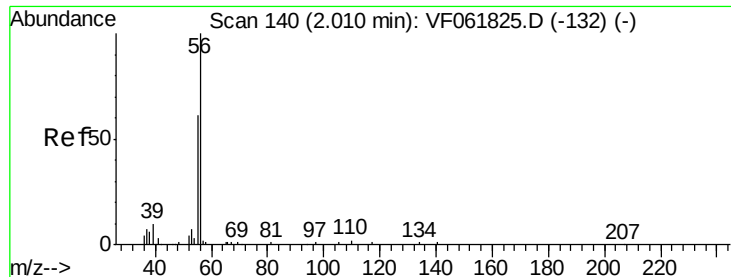


#12

1,1-Dichloroethene
 Concen: 52.624 ug/l
 RT: 1.79 min Scan# 117
 Delta R.T. -0.02 min
 Lab File: VF061859.D
 Acq: 5 Mar 2019 22:22

Tgt Ion: 96 Resp: 135106
 Ion Ratio Lower Upper
 96 100
 61 174.6 122.5 183.7
 98 63.5 47.1 70.7

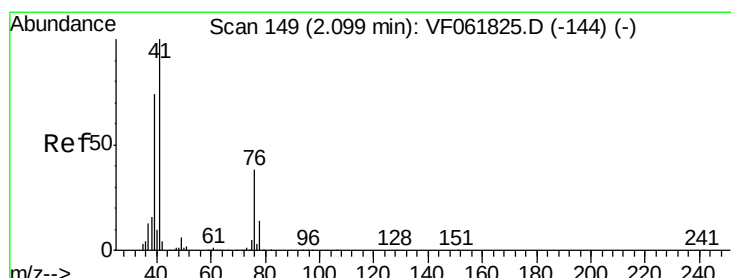
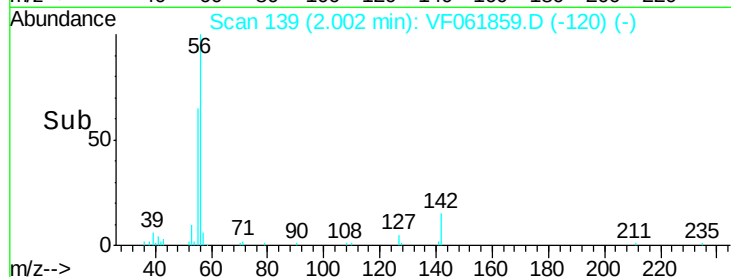
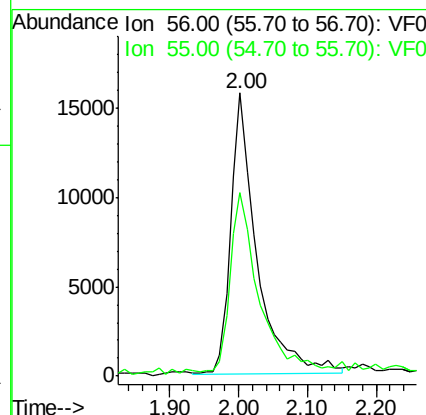
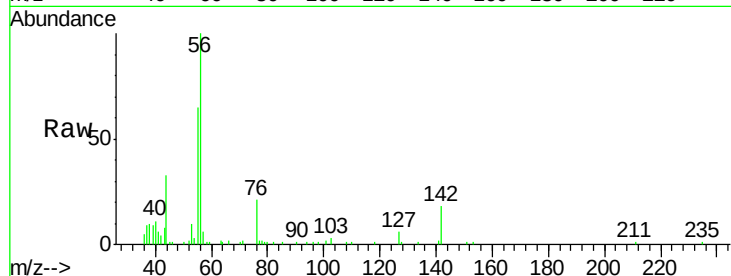




#13
Acrolein
Concen: 263.864 ug/l
RT: 2.00 min Scan# 139
Delta R.T. -0.01 min
Lab File: VF061859.D
Acq: 5 Mar 2019 22:22

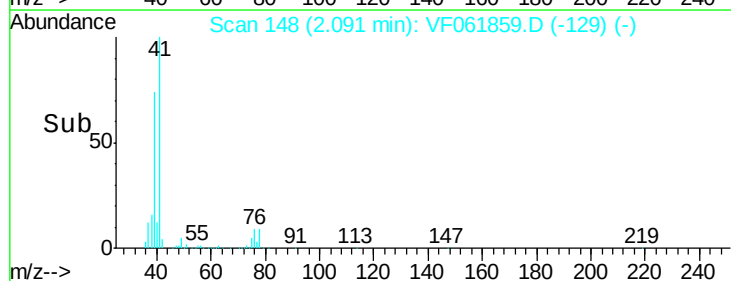
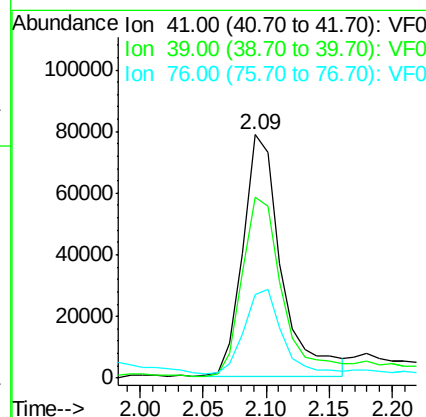
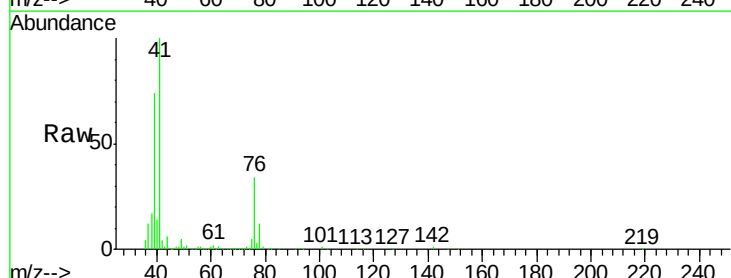
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

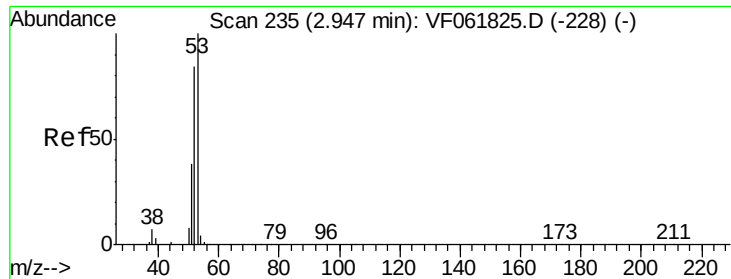
Tot Ion: 56 Resp: 41487
Ion Ratio Lower Upper
56 100
55 64.8 51.3 76.9



#14
Allyl chloride
Concen: 58.999 ug/l
RT: 2.09 min Scan# 148
Delta R.T. -0.01 min
Lab File: VF061859.D
Acq: 5 Mar 2019 22:22

Tgt Ion: 41 Resp: 166873
Ion Ratio Lower Upper
41 100
39 74.2 59.6 89.4
76 34.4 32.3 48.5





#15

Acrylonitrile

Concen: 257.235 ug/l

RT: 2.95 min Scan# 235

Delta R.T. 0.00 min

Lab File: VF061859.D

Acq: 5 Mar 2019 22:22

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

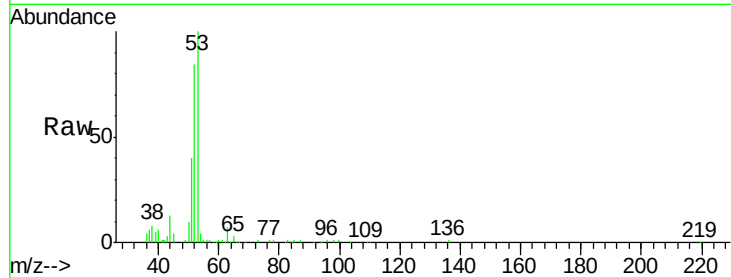
Tot Ion: 53 Resp: 101638

Ion Ratio Lower Upper

53 100

52 84.4 67.4 101.0

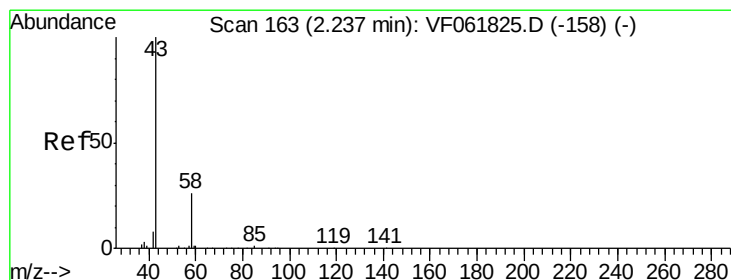
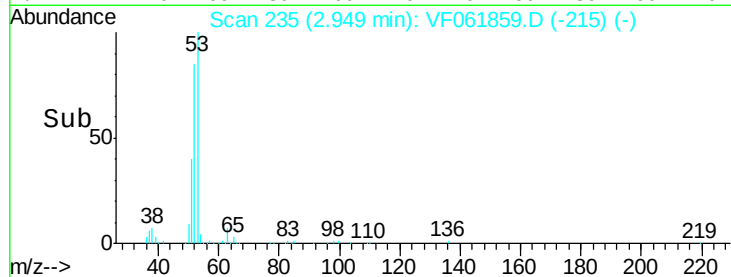
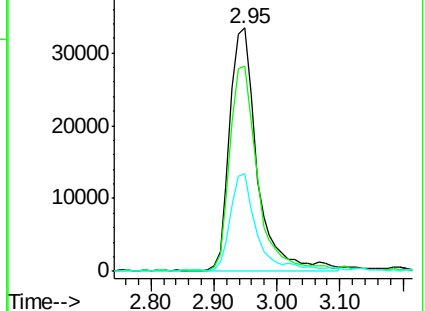
51 39.9 30.7 46.1



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: 221.087 ug/l

RT: 2.24 min Scan# 163

Delta R.T. 0.00 min

Lab File: VF061859.D

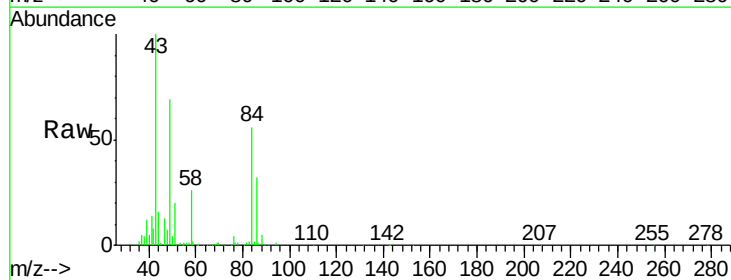
Acq: 5 Mar 2019 22:22

Tgt Ion: 43 Resp: 101244

Ion Ratio Lower Upper

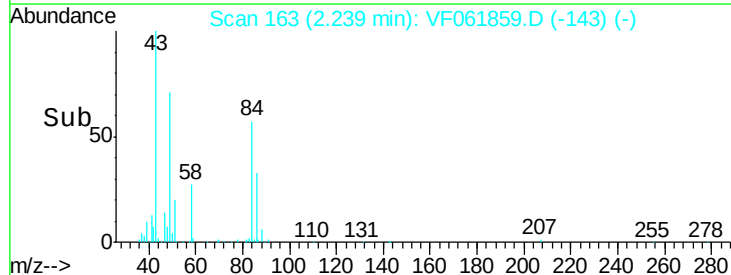
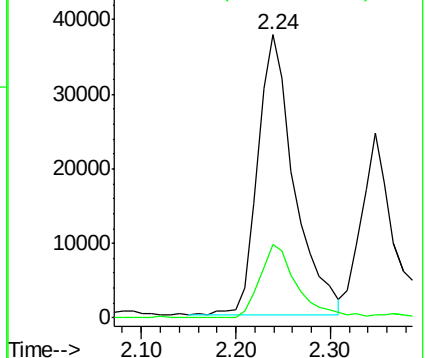
43 100

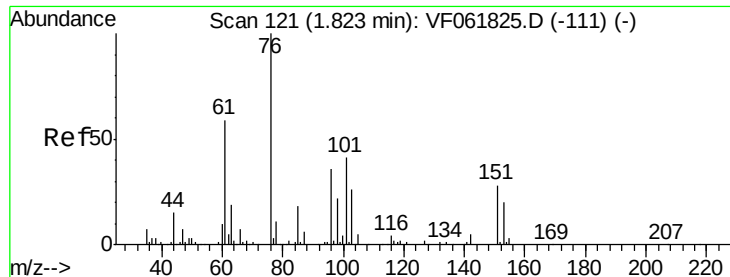
58 26.1 20.3 30.5



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#17

Carbon Disulfide

Concen: 39.616 ug/l

RT: 1.82 min Scan# 121

Delta R.T. 0.00 min

Lab File: VF061859.D

Acq: 5 Mar 2019 22:22

Instrument :

MSVOA_F

ClientSampleId :

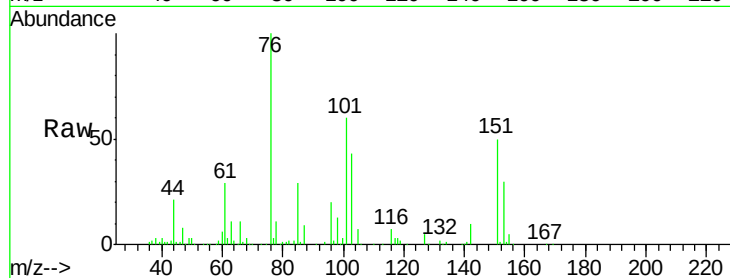
VSTDCCC050EC

Tot Ion: 76 Resp: 316599

Ion Ratio Lower Upper

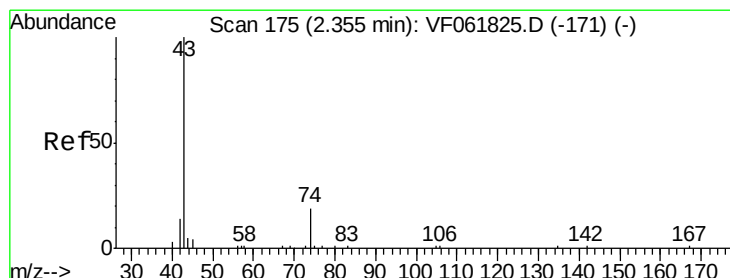
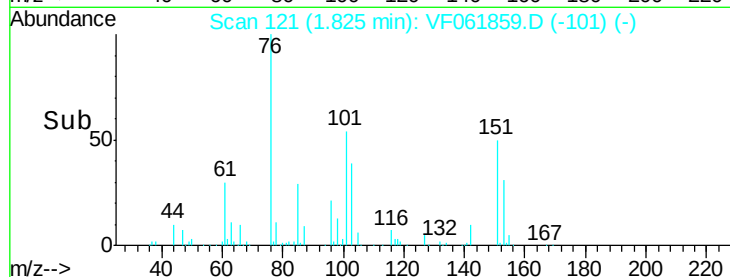
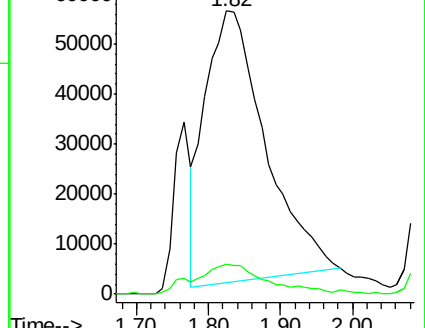
76 100

78 10.8 9.1 13.7



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#18

Methyl Acetate

Concen: 53.702 ug/l

RT: 2.43 min Scan# 182

Delta R.T. 0.07 min

Lab File: VF061859.D

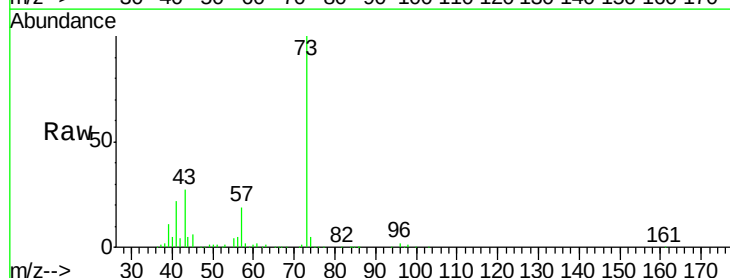
Acq: 5 Mar 2019 22:22

Tgt Ion: 43 Resp: 47303

Ion Ratio Lower Upper

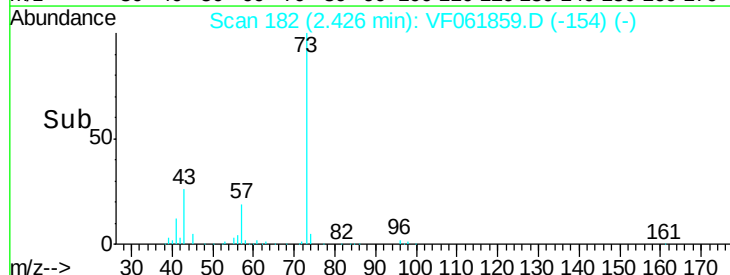
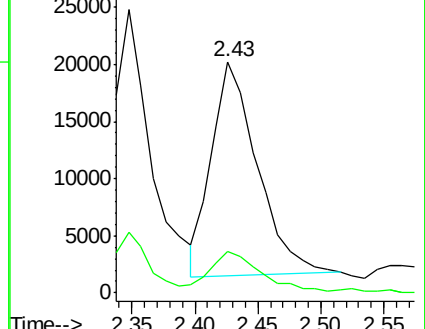
43 100

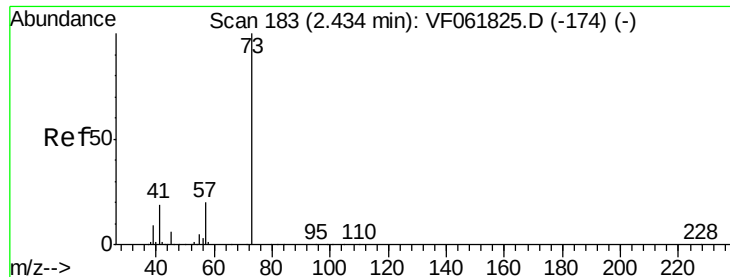
74 17.9 13.2 19.8



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0



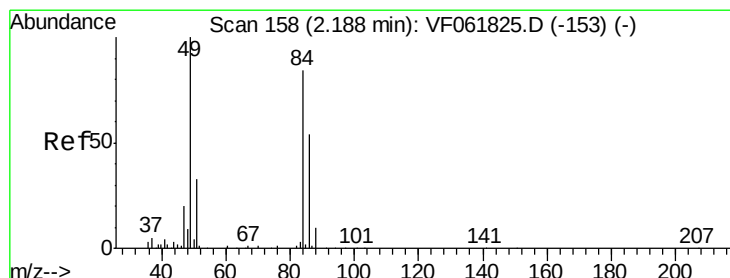
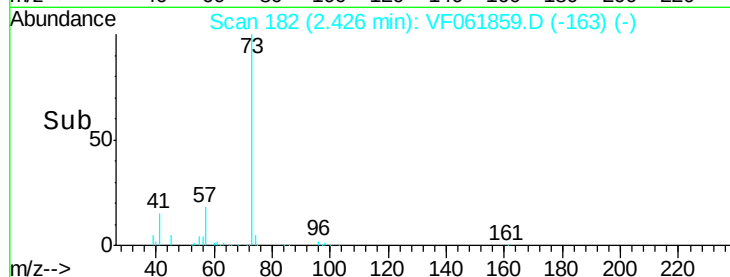
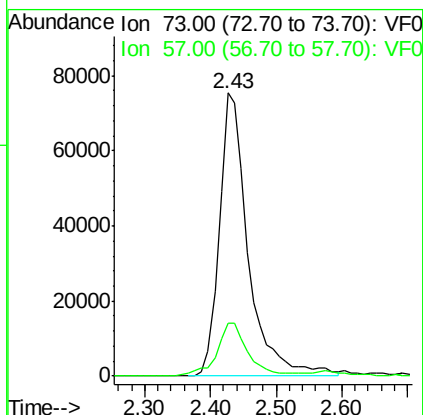
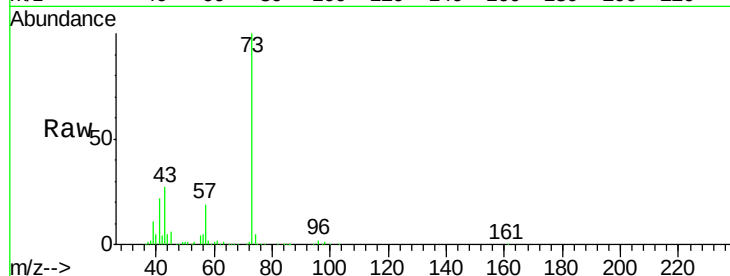


#19

Methyl tert-butyl Ether
 Concen: 53.181 ug/l
 RT: 2.43 min Scan# 182
 Delta R.T. -0.01 min
 Lab File: VF061859.D
 Acq: 5 Mar 2019 22:22

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

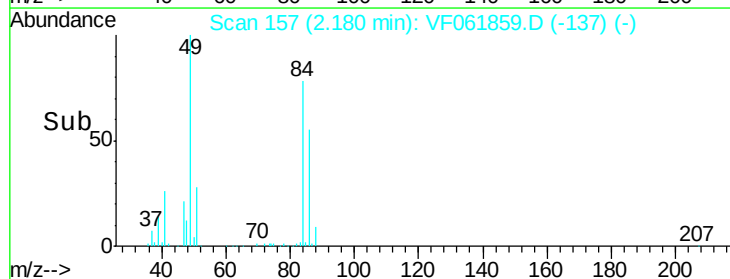
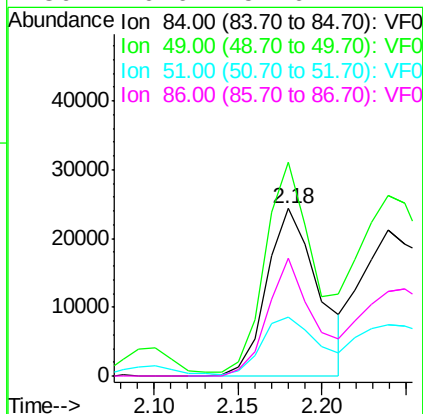
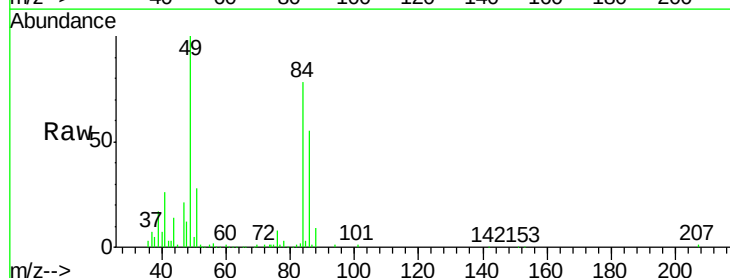
Tot Ion: 73 Resp: 230974
 Ion Ratio Lower Upper
 73 100
 57 18.8 16.1 24.1

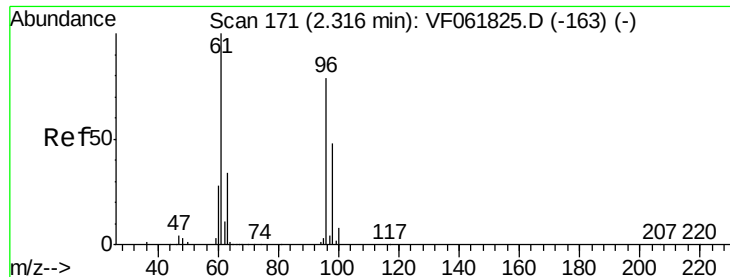


#20

Methylene Chloride
 Concen: 16.849 ug/l
 RT: 2.18 min Scan# 157
 Delta R.T. -0.01 min
 Lab File: VF061859.D
 Acq: 5 Mar 2019 22:22

Tgt Ion: 84 Resp: 51741
 Ion Ratio Lower Upper
 84 100
 49 127.8 96.8 145.2
 51 35.4 31.8 47.6
 86 70.6 51.6 77.4





#21

trans-1,2-Dichloroethene

Concen: 59.967 ug/l

RT: 2.31 min Scan# 170

Delta R.T. -0.01 min

Lab File: VF061859.D

Acq: 5 Mar 2019 22:22

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

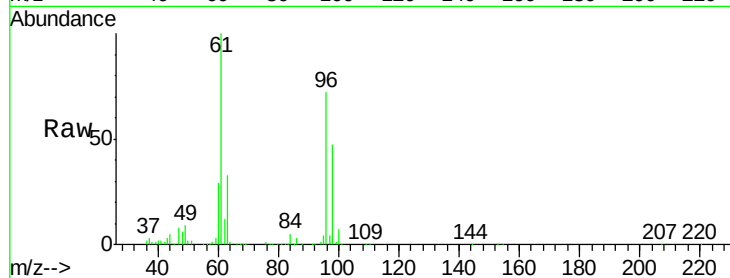
Tot Ion: 96 Resp: 144901

Ion Ratio Lower Upper

96 100

61 138.2 101.0 151.6

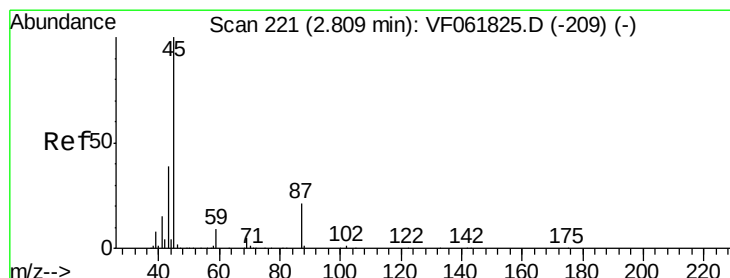
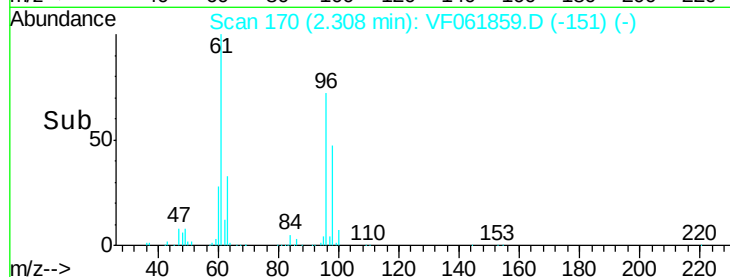
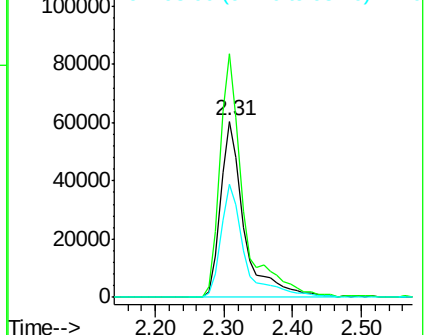
98 64.3 48.8 73.2



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: 53.026 ug/l

RT: 2.80 min Scan# 220

Delta R.T. -0.01 min

Lab File: VF061859.D

Acq: 5 Mar 2019 22:22

Tgt Ion: 45 Resp: 390134

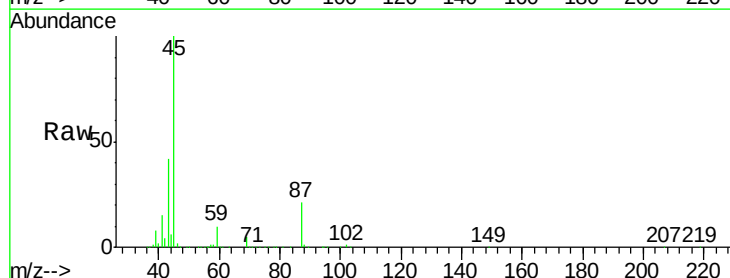
Ion Ratio Lower Upper

45 100

43 41.9 31.8 47.8

87 20.8 17.1 25.7

59 10.4 7.8 11.6

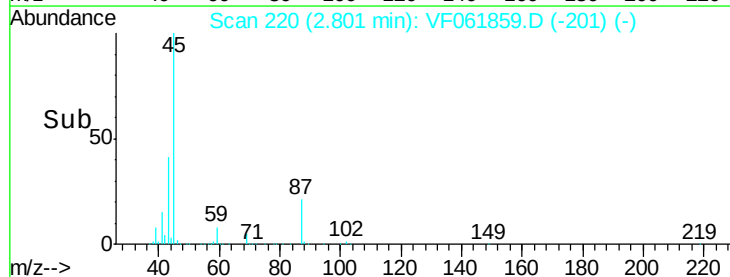
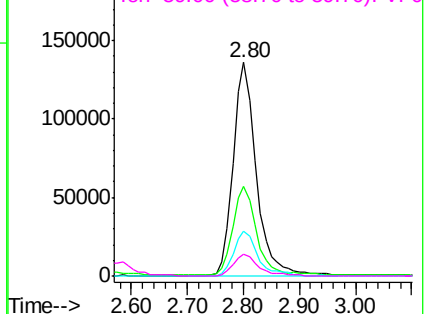


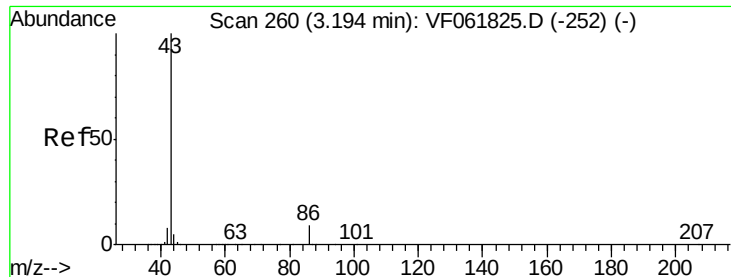
Abundance Ion 45.00 (44.70 to 45.70): VF0

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: 259.300 ug/l

RT: 3.19 min Scan# 259

Delta R.T. -0.01 min

Lab File: VF061859.D

Acq: 5 Mar 2019 22:22

Instrument :

MSVOA_F

ClientSampleId :

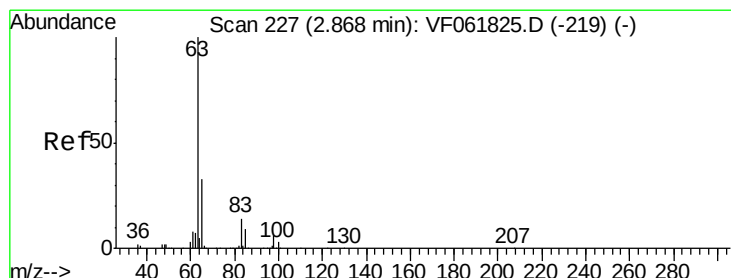
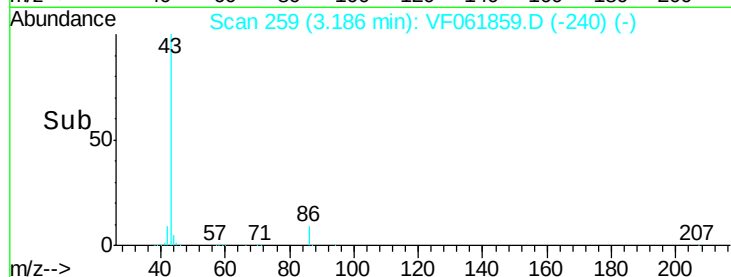
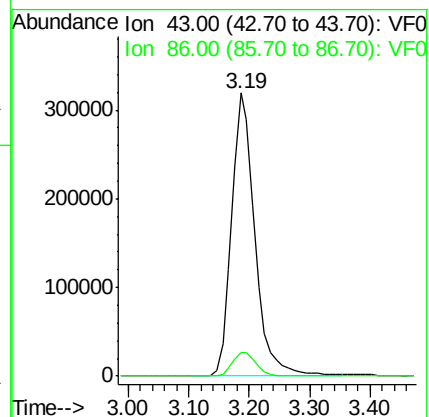
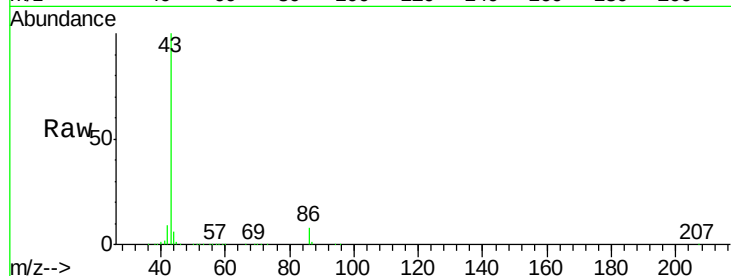
VSTDCCC050EC

Tot Ion: 43 Resp: 852270

Ion Ratio Lower Upper

43 100

86 8.5 7.0 10.4



#24

1,1-Dichloroethane

Concen: 53.742 ug/l

RT: 2.87 min Scan# 227

Delta R.T. 0.00 min

Lab File: VF061859.D

Acq: 5 Mar 2019 22:22

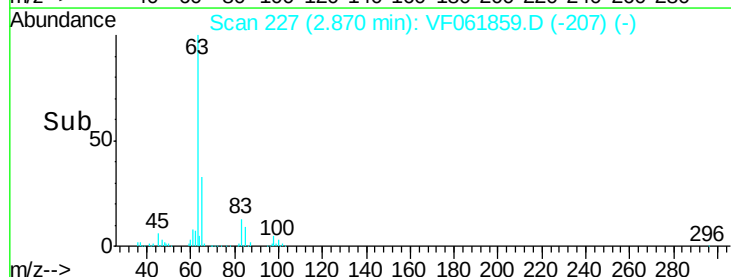
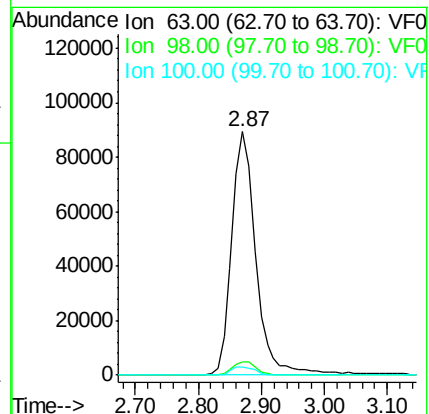
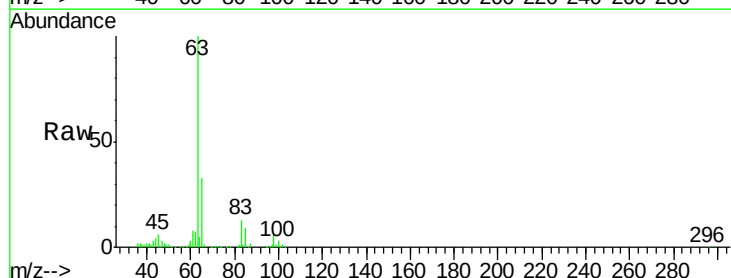
Tgt Ion: 63 Resp: 236338

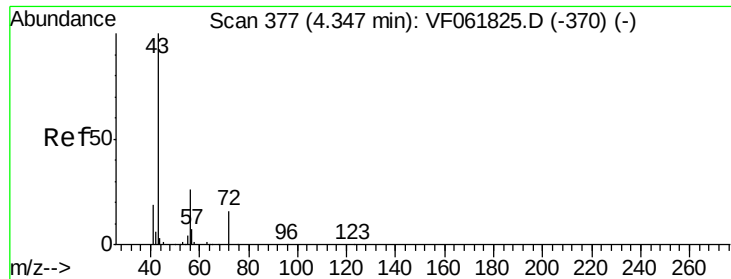
Ion Ratio Lower Upper

63 100

98 5.5 2.9 8.6

100 3.2 1.8 5.3

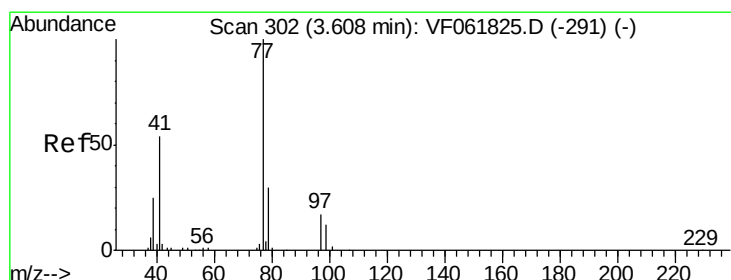
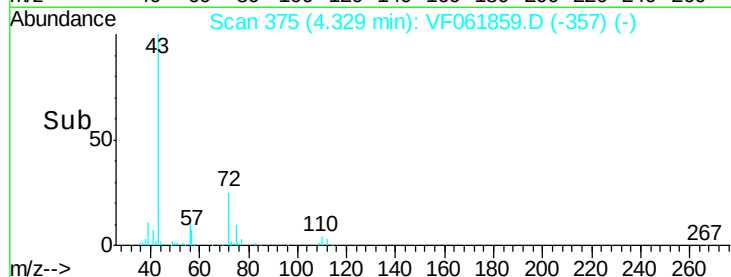
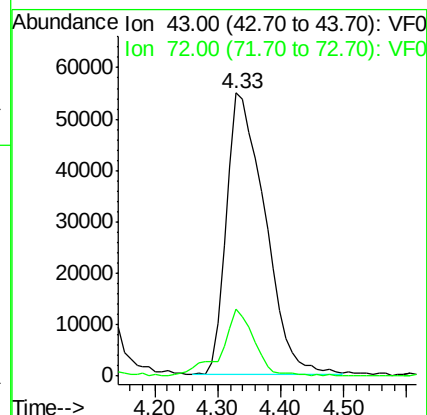
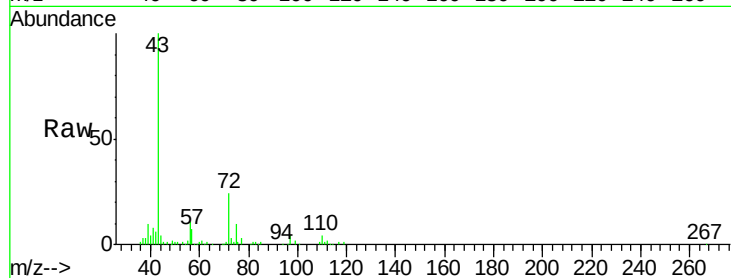




#25
 2-Butanone
 Concen: 247.738 ug/l
 RT: 4.33 min Scan# 375
 Delta R.T. -0.02 min
 Lab File: VF061859.D
 Acq: 5 Mar 2019 22:22

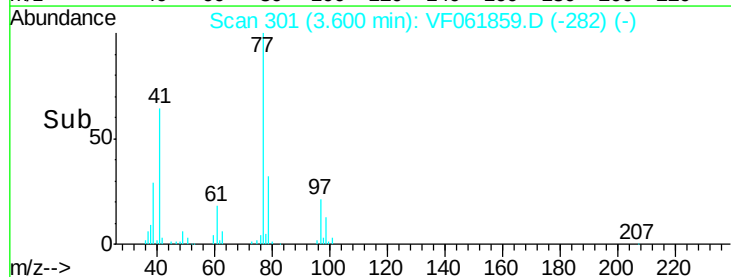
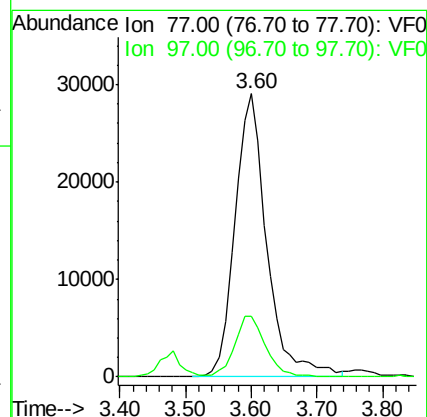
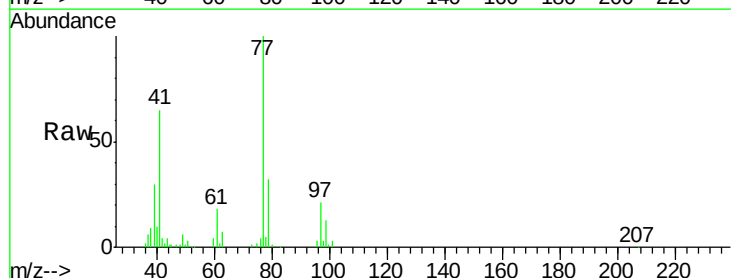
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

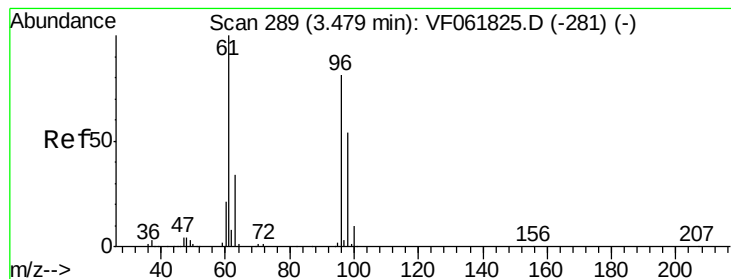
Tot Ion: 43 Resp: 230764
 Ion Ratio Lower Upper
 43 100
 72 23.8 16.2 24.4



#26
 2,2-Dichloropropane
 Concen: 50.227 ug/l
 RT: 3.60 min Scan# 301
 Delta R.T. -0.01 min
 Lab File: VF061859.D
 Acq: 5 Mar 2019 22:22

Tgt Ion: 77 Resp: 98602
 Ion Ratio Lower Upper
 77 100
 97 21.3 10.4 31.4



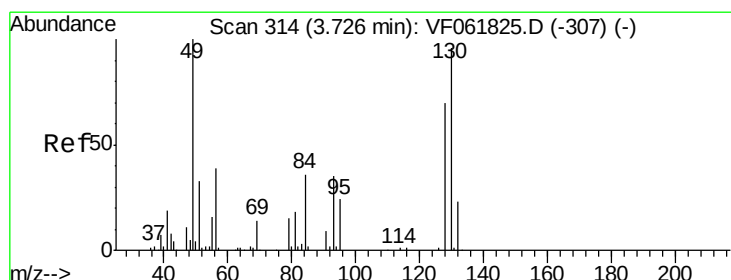
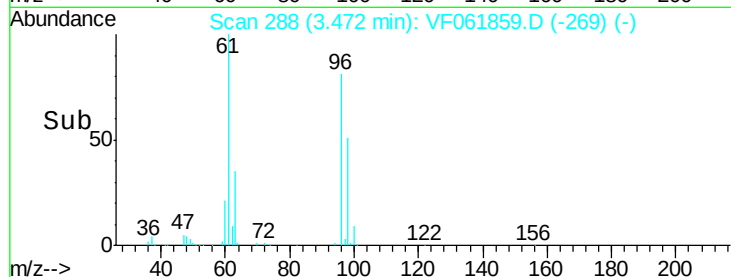
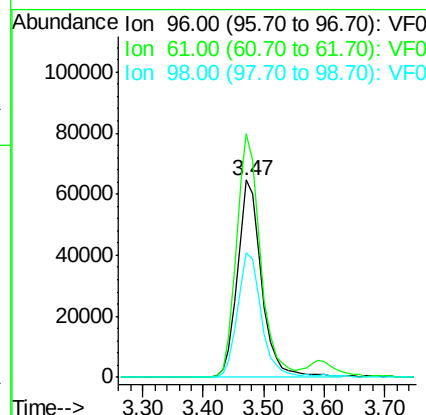
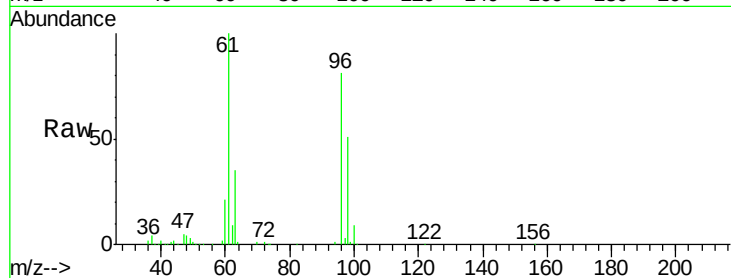


#27

cis-1,2-Dichloroethene
 Concen: 53.498 ug/l
 RT: 3.47 min Scan# 288
 Delta R.T. -0.01 min
 Lab File: VF061859.D
 Acq: 5 Mar 2019 22:22

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

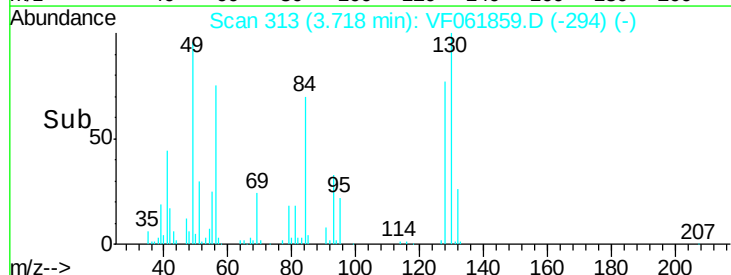
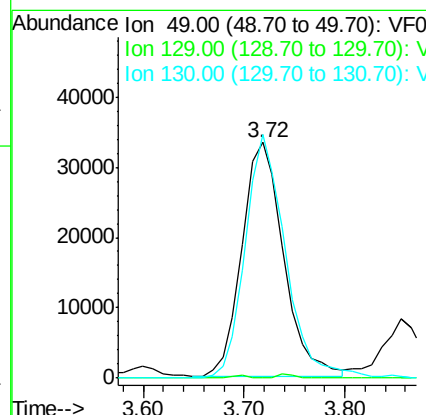
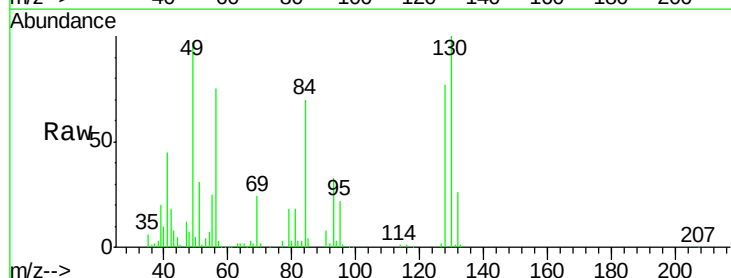
Tot Ion: 96 Resp: 179094
 Ion Ratio Lower Upper
 96 100
 61 123.6 0.0 245.8
 98 63.1 0.0 132.6

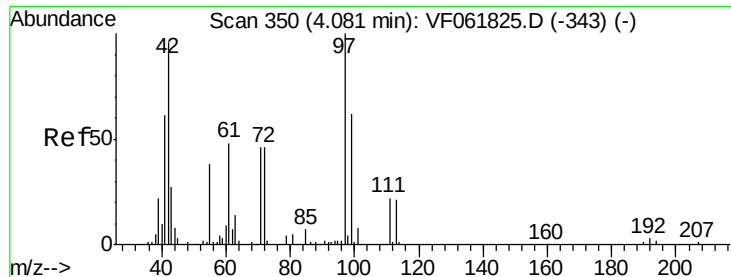


#28

Bromochloromethane
 Concen: 50.234 ug/l
 RT: 3.72 min Scan# 313
 Delta R.T. -0.01 min
 Lab File: VF061859.D
 Acq: 5 Mar 2019 22:22

Tgt Ion: 49 Resp: 96296
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 0.0
 130 103.3 76.9 115.3

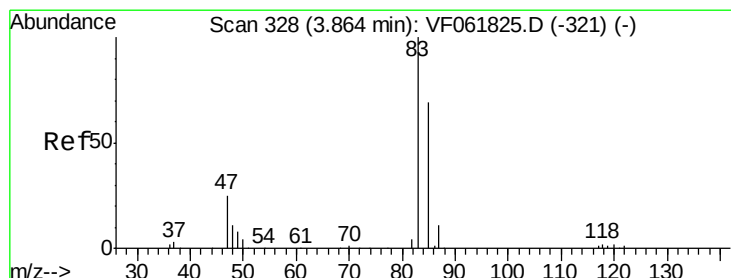
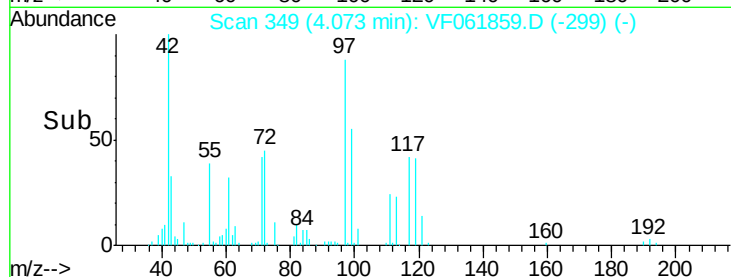
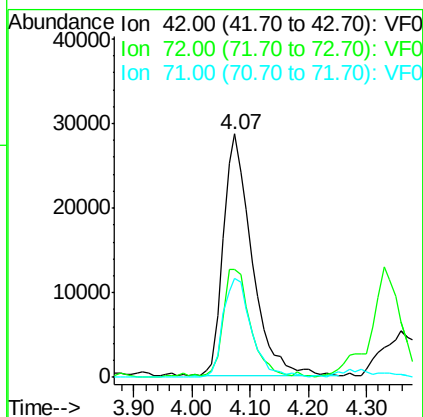
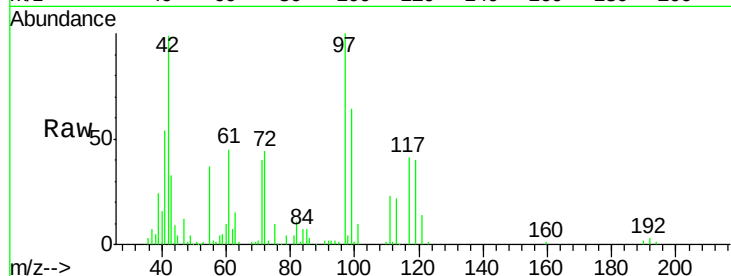




#29
Tetrahydrofuran
Concen: 242.138 ug/l
RT: 4.07 min Scan# 349
Delta R.T. -0.01 min
Lab File: VF061859.D
Acq: 5 Mar 2019 22:22

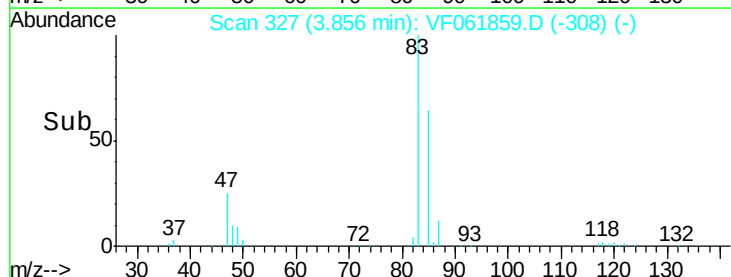
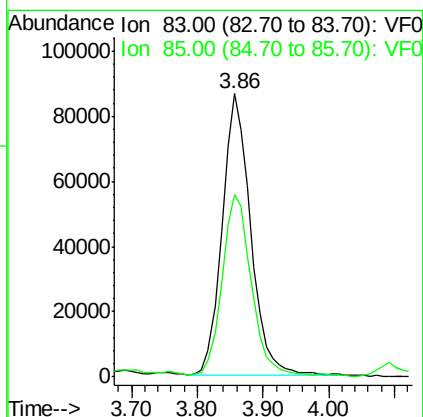
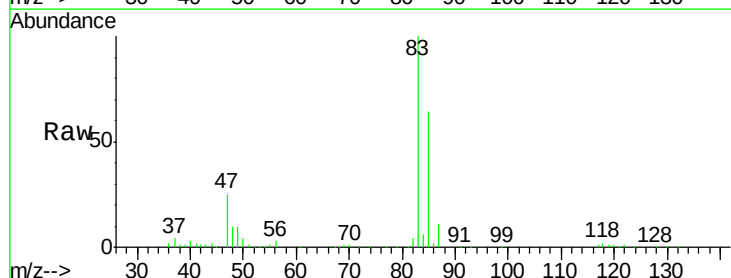
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

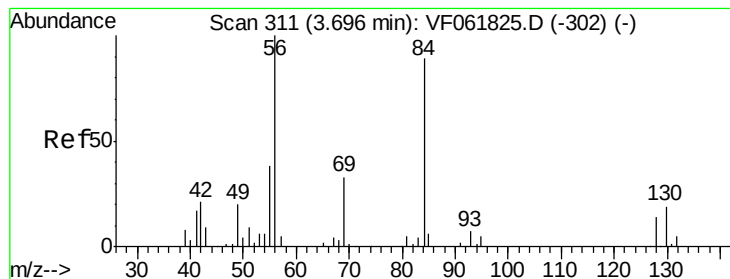
Tot Ion: 42 Resp: 97272
Ion Ratio Lower Upper
42 100
72 43.0 34.4 51.6
71 40.8 34.6 52.0



#30
Chloroform
Concen: 51.330 ug/l
RT: 3.86 min Scan# 327
Delta R.T. -0.01 min
Lab File: VF061859.D
Acq: 5 Mar 2019 22:22

Tgt Ion: 83 Resp: 257834
Ion Ratio Lower Upper
83 100
85 64.3 55.3 82.9





#31

Cyclohexane

Concen: 50.396 ug/l

RT: 3.69 min Scan# 310

Delta R.T. -0.01 min

Lab File: VF061859.D

Acq: 5 Mar 2019 22:22

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

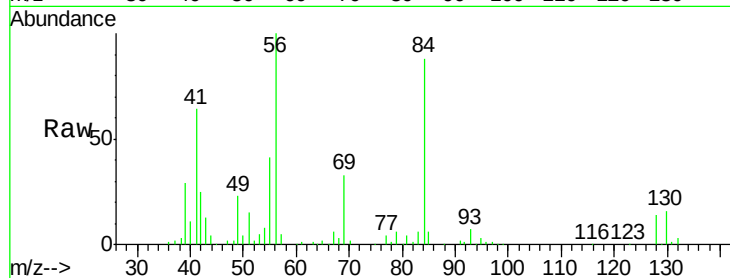
Tot Ion: 56 Resp: 232126

Ion Ratio Lower Upper

56 100

69 33.3 26.0 39.0

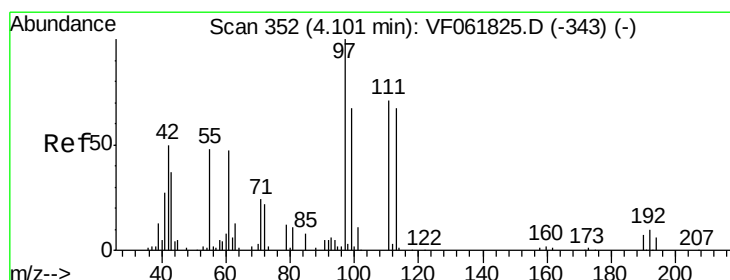
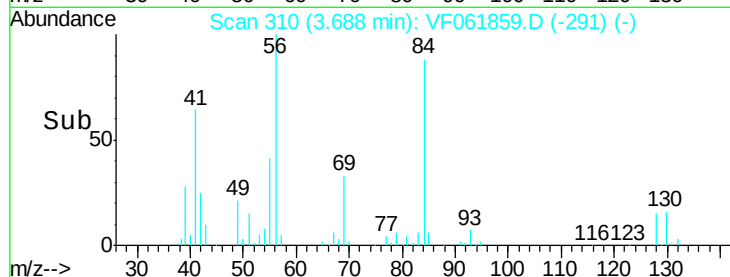
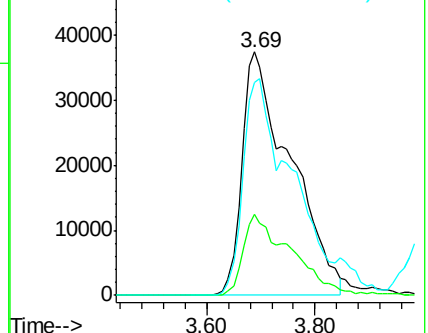
84 87.7 71.0 106.6



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: 60.811 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.01 min

Lab File: VF061859.D

Acq: 5 Mar 2019 22:22

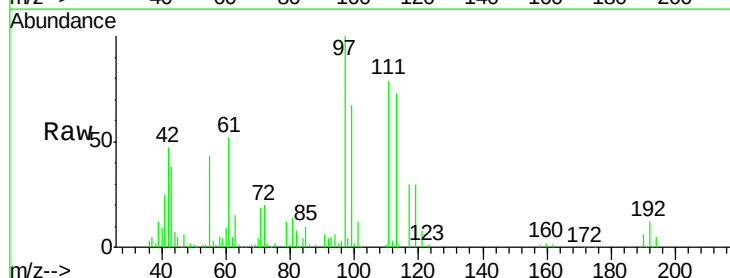
Tgt Ion: 97 Resp: 188280

Ion Ratio Lower Upper

97 100

99 66.7 53.8 80.8

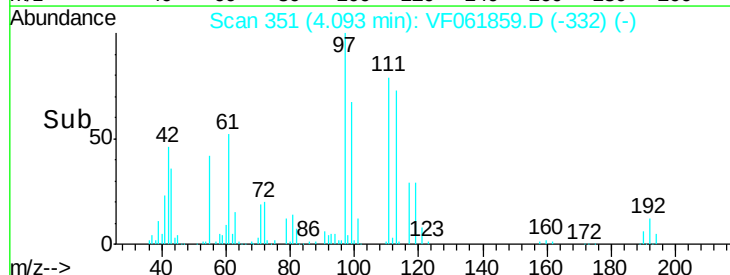
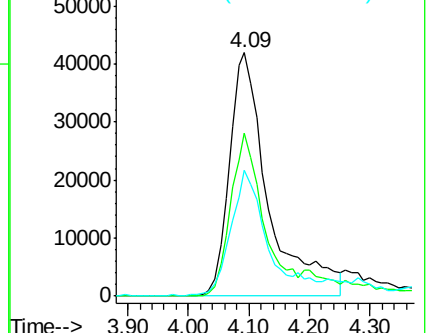
61 51.9 37.9 56.9

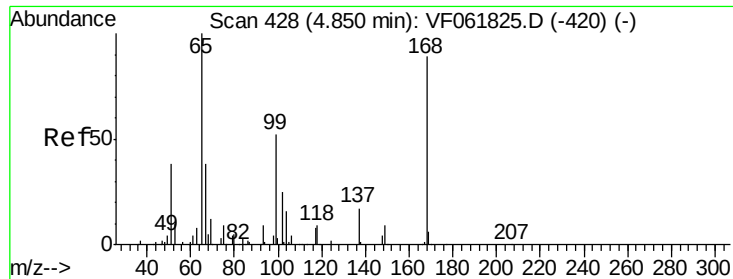


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

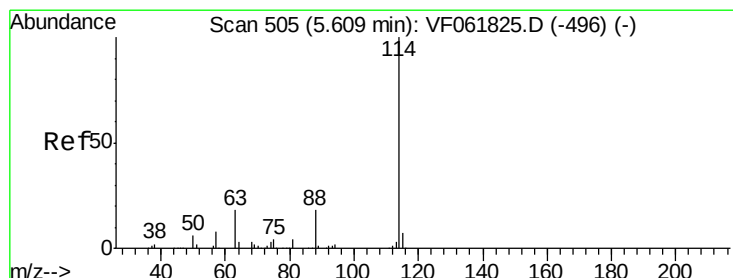
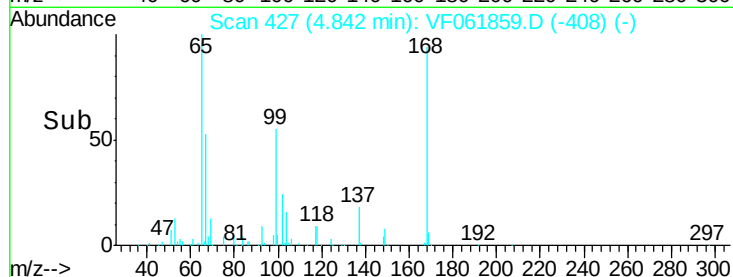
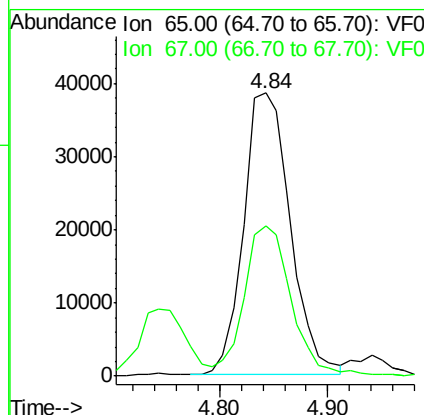
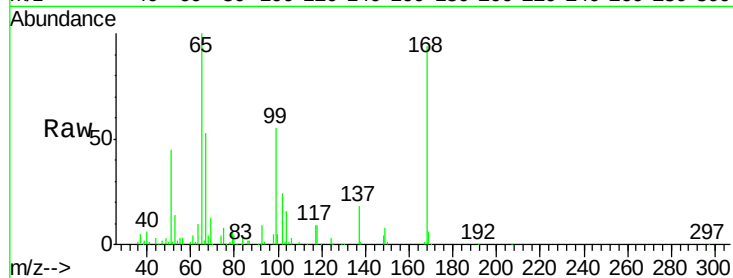




#33
 1,2-Dichloroethane-d4
 Concen: 53.094 ug/l
 RT: 4.84 min Scan# 427
 Delta R.T. -0.01 min
 Lab File: VF061859.D
 Acq: 5 Mar 2019 22:22

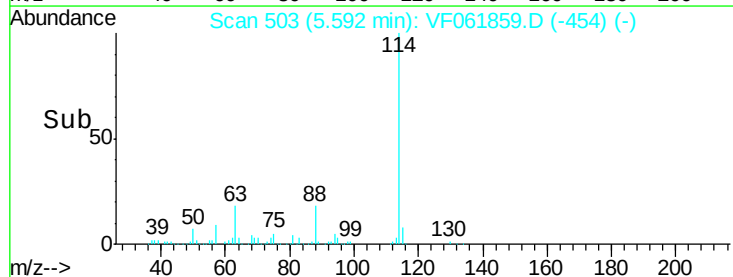
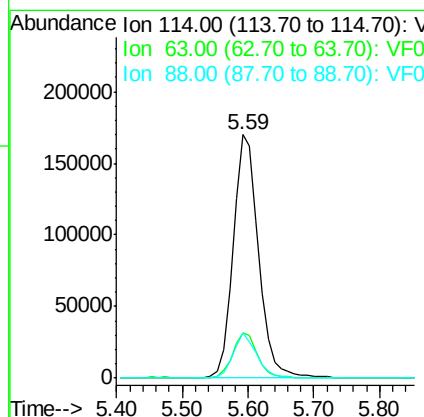
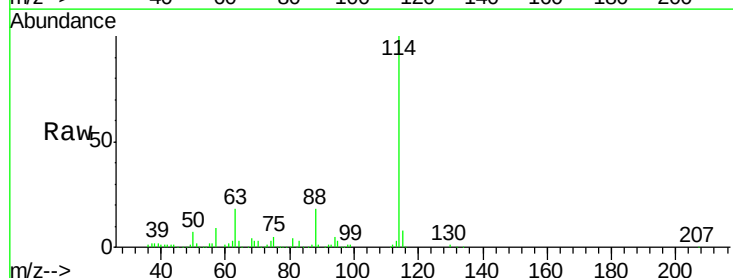
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

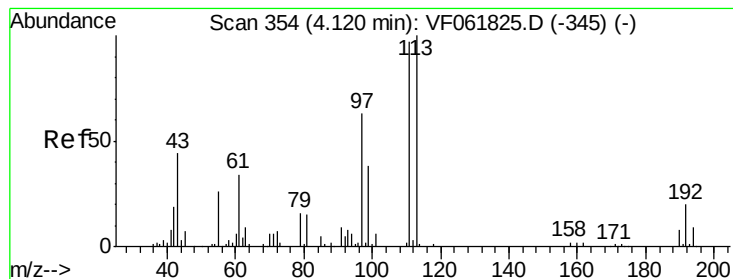
Tot Ion: 65 Resp: 116072
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 108.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.59 min Scan# 503
 Delta R.T. -0.02 min
 Lab File: VF061859.D
 Acq: 5 Mar 2019 22:22

Tgt Ion: 114 Resp: 459610
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 35.6
 88 18.4 0.0 35.6





#35

Dibromofluoromethane

Concen: 51.086 ug/l

RT: 4.11 min Scan# 353

Delta R.T. -0.01 min

Lab File: VF061859.D

Acq: 5 Mar 2019 22:22

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

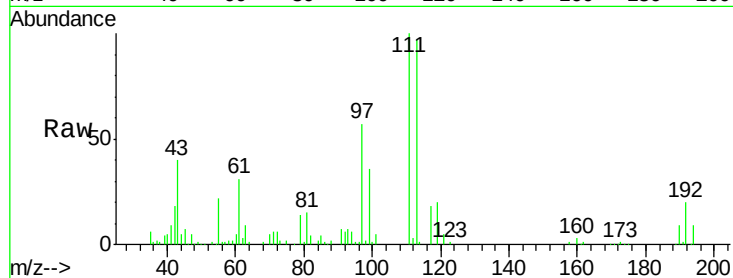
Tot Ion:113 Resp: 163856

Ion Ratio Lower Upper

113 100

111 103.5 77.6 116.4

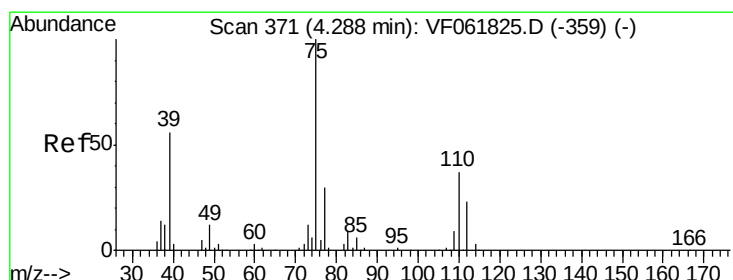
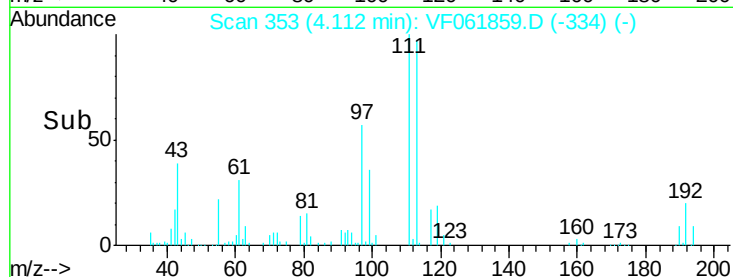
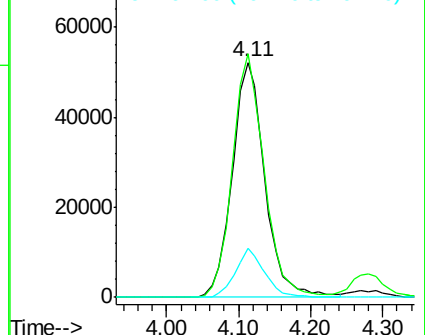
192 20.6 15.9 23.9



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 51.756 ug/l

RT: 4.28 min Scan# 370

Delta R.T. -0.01 min

Lab File: VF061859.D

Acq: 5 Mar 2019 22:22

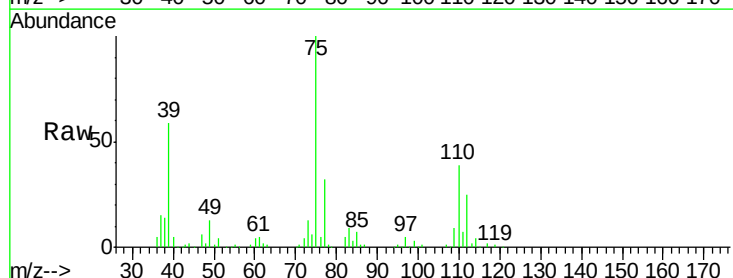
Tgt Ion: 75 Resp: 224701

Ion Ratio Lower Upper

75 100

110 38.5 18.6 55.6

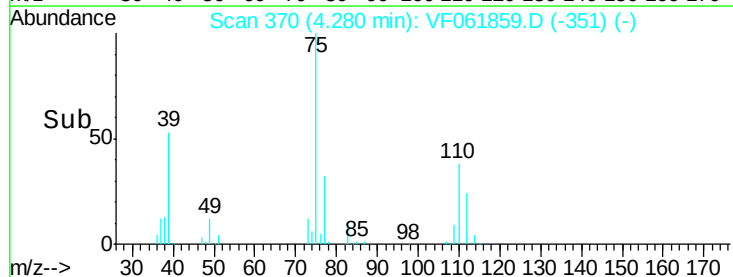
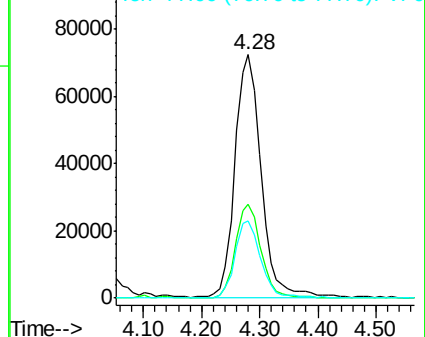
77 31.8 24.2 36.2

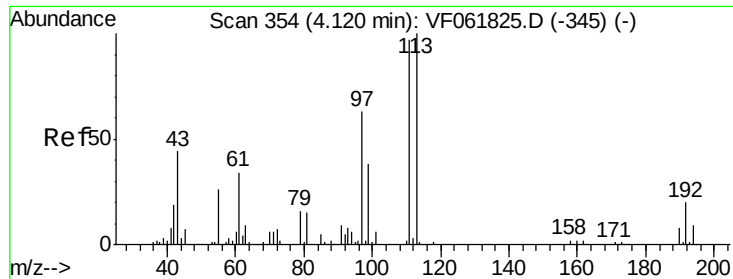


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

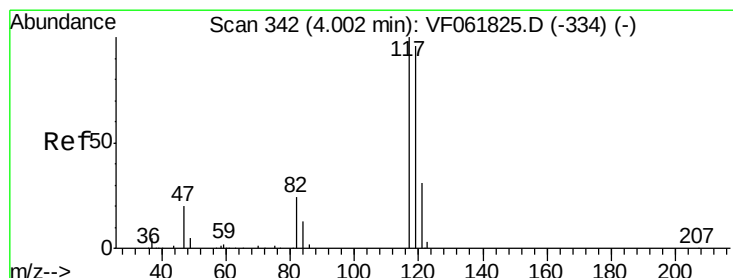
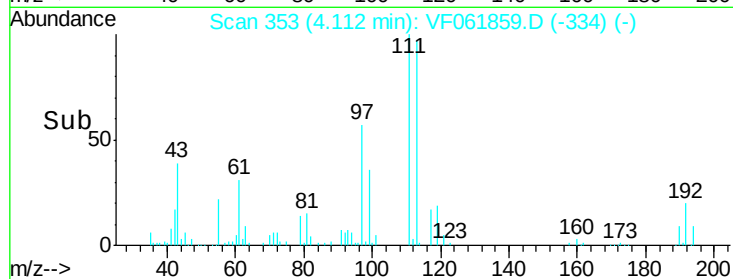
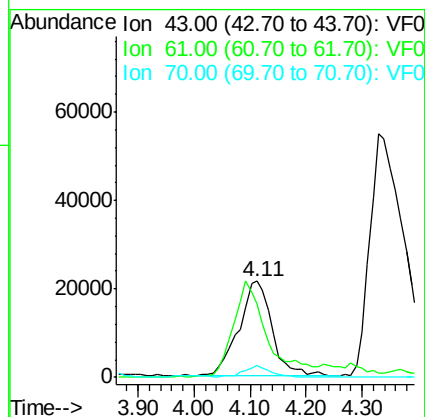
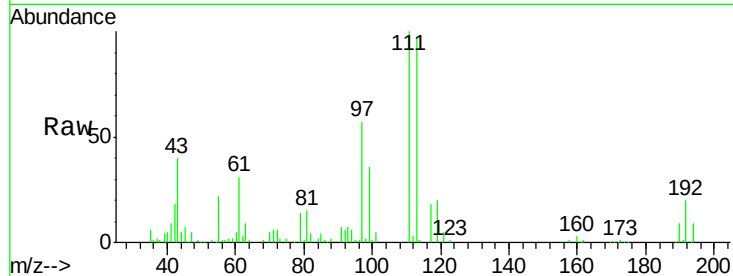




#37
Ethyl Acetate
Concen: 47.470 ug/l
RT: 4.11 min Scan# 353
Delta R.T. -0.01 min
Lab File: VF061859.D
Acq: 5 Mar 2019 22:22

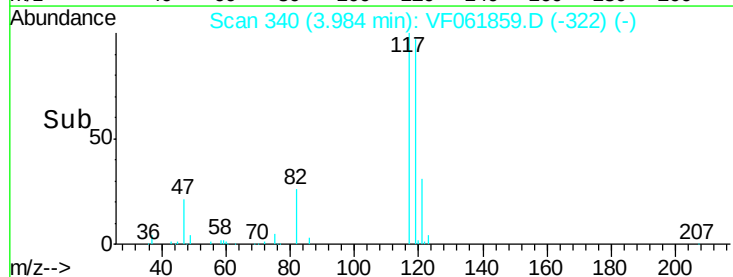
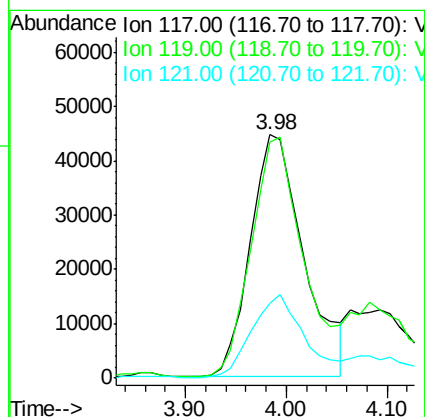
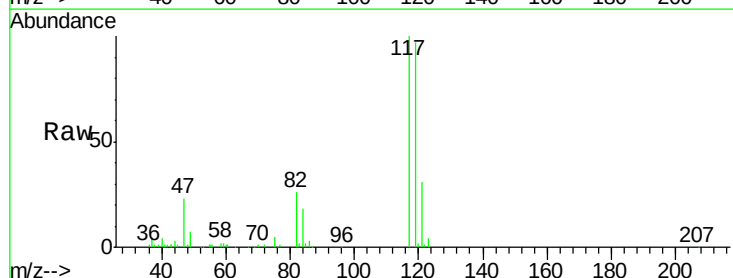
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

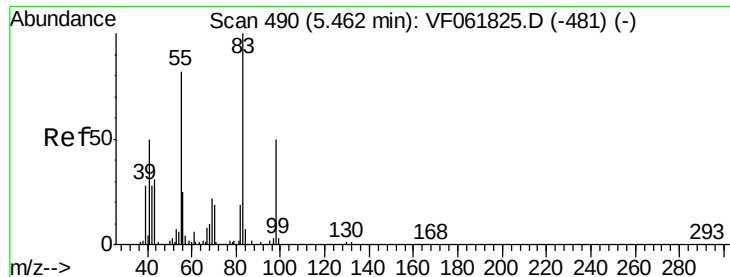
Tot Ion: 43 Resp: 86504
Ion Ratio Lower Upper
43 100
61 76.3 60.7 91.1
70 11.9 10.6 15.8



#38
Carbon Tetrachloride
Concen: 53.629 ug/l
RT: 3.98 min Scan# 340
Delta R.T. -0.02 min
Lab File: VF061859.D
Acq: 5 Mar 2019 22:22

Tgt Ion: 117 Resp: 164822
Ion Ratio Lower Upper
117 100
119 96.8 76.6 114.8
121 30.6 24.4 36.6

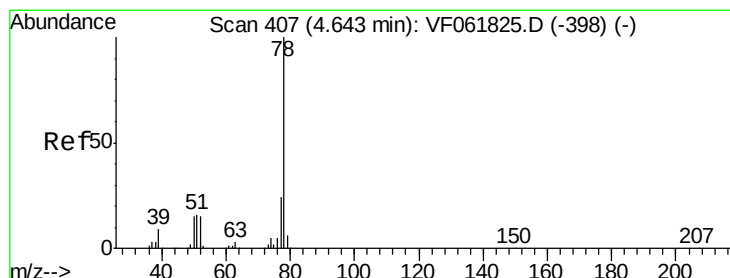
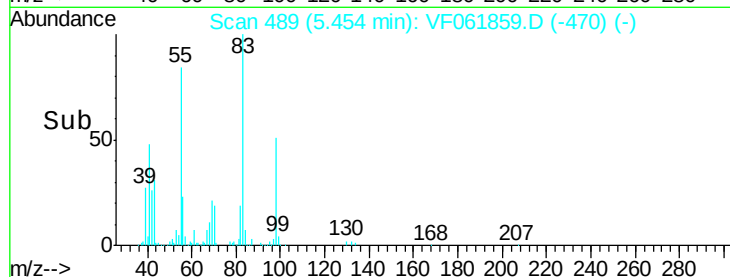
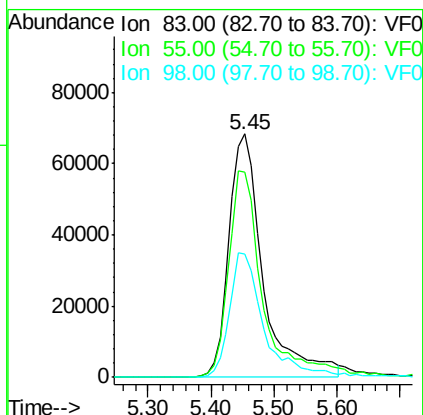
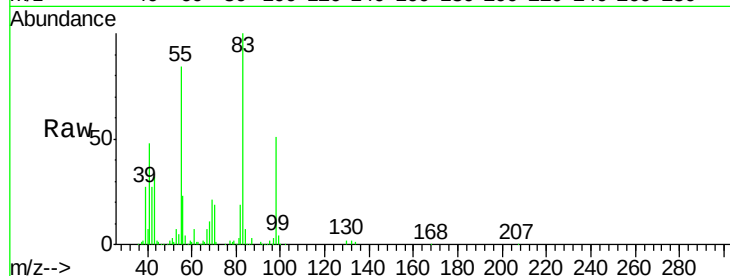




#39
Methylvlcyclohexane
Concen: 50.287 ug/l
RT: 5.45 min Scan# 489
Delta R.T. -0.01 min
Lab File: VF061859.D
Acq: 5 Mar 2019 22:22

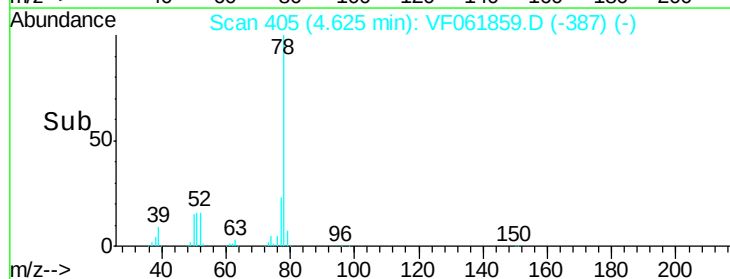
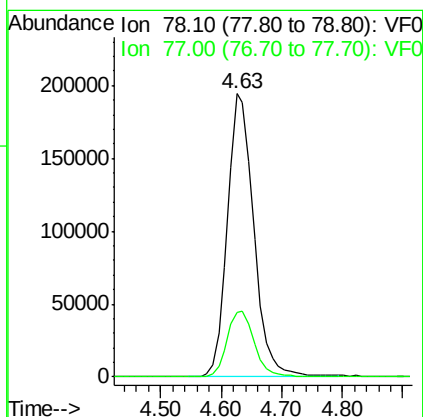
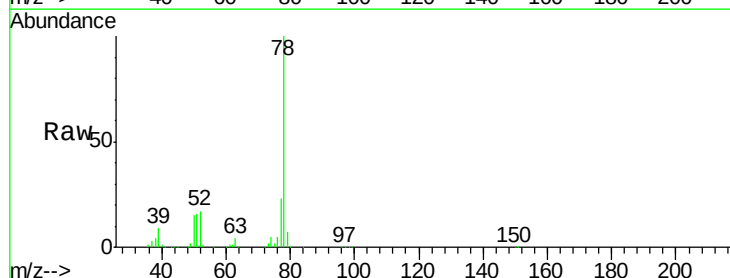
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

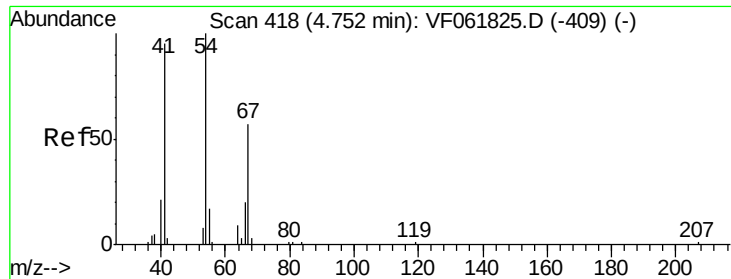
Tot Ion: 83 Resp: 257873
Ion Ratio Lower Upper
83 100
55 84.2 66.0 99.0
98 50.7 39.8 59.6



#40
Benzene
Concen: 51.942 ug/l
RT: 4.63 min Scan# 405
Delta R.T. -0.02 min
Lab File: VF061859.D
Acq: 5 Mar 2019 22:22

Tgt Ion: 78 Resp: 589454
Ion Ratio Lower Upper
78 100
77 22.8 19.5 29.3

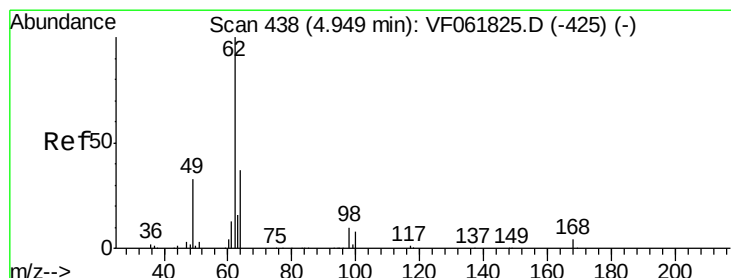
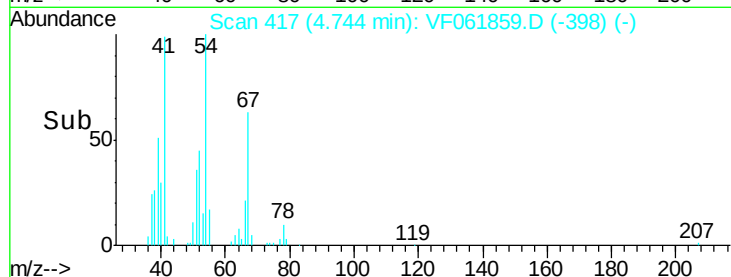
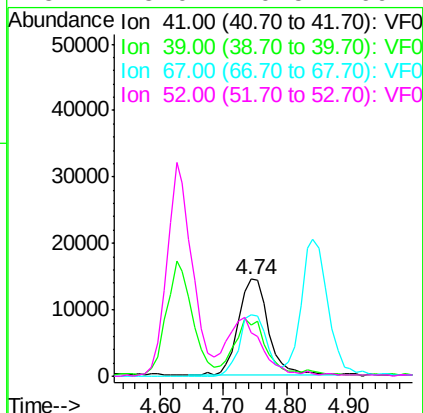
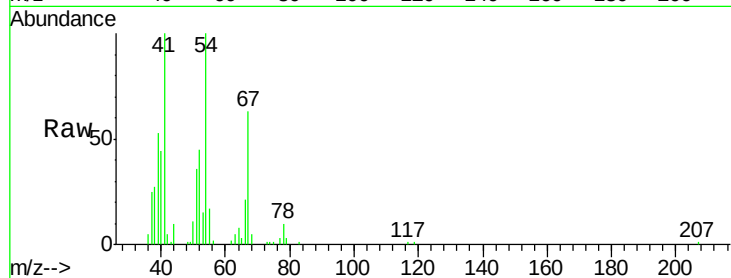




#41
Methacrylonitrile
Concen: 48.836 ug/l
RT: 4.74 min Scan# 417
Delta R.T. -0.01 min
Lab File: VF061859.D
Acq: 5 Mar 2019 22:22

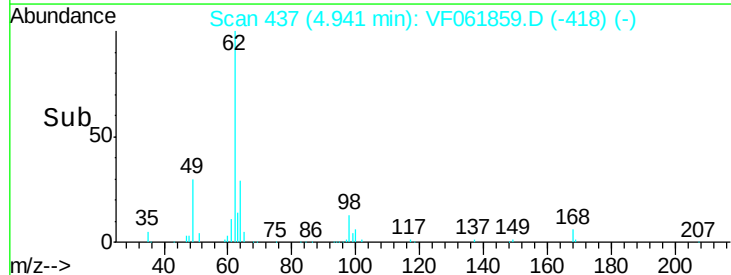
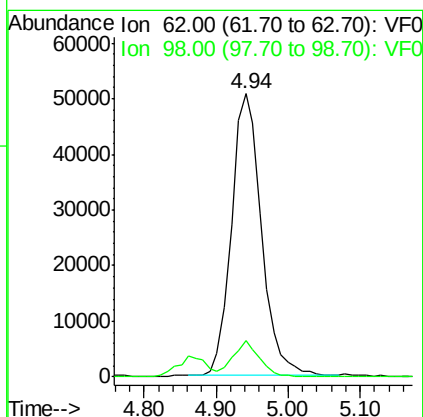
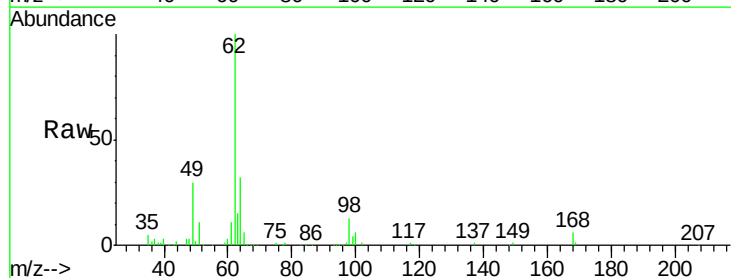
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

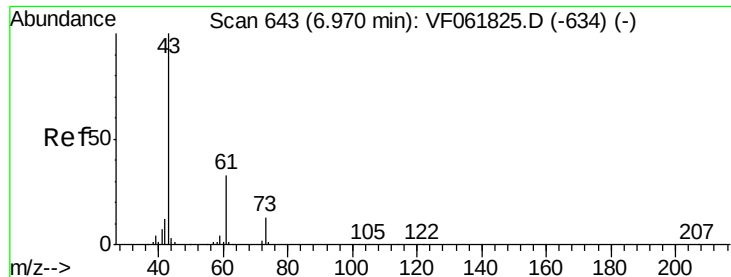
Tot Ion:	41	Resp:	48758
Ion	Ratio	Lower	Upper
41	100		
39	53.2	43.0	64.6
67	63.0	47.8	71.8
52	45.0	40.5	60.7



#42
1,2-Dichloroethane
Concen: 51.998 ug/l
RT: 4.94 min Scan# 437
Delta R.T. -0.01 min
Lab File: VF061859.D
Acq: 5 Mar 2019 22:22

Tgt Ion:	62	Resp:	147056
Ion	Ratio	Lower	Upper
62	100		
98	12.7	0.0	21.0





#43

Isopropyl Acetate

Concen: 48.837 ug/l

RT: 6.96 min Scan# 642

Delta R.T. -0.01 min

Lab File: VF061859.D

Acq: 5 Mar 2019 22:22

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

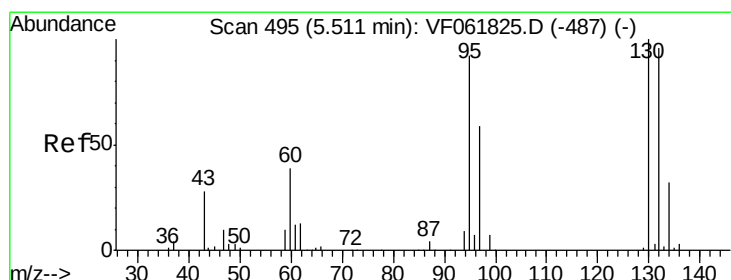
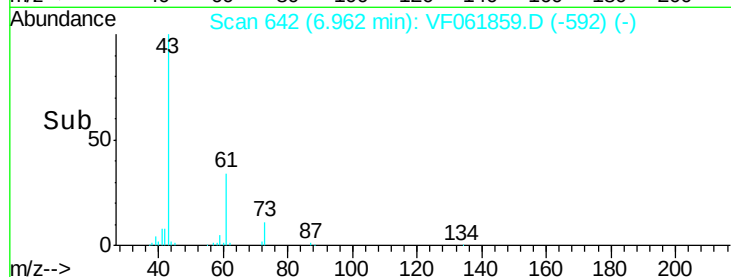
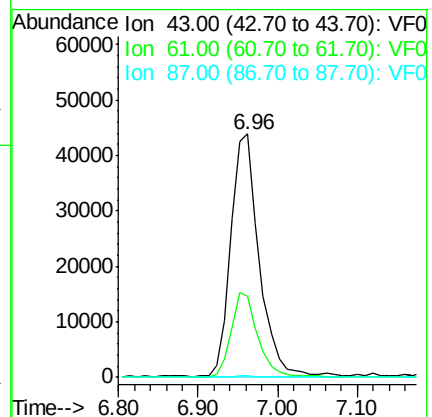
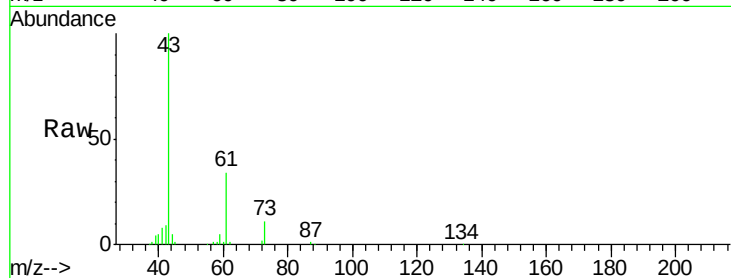
Tot Ion: 43 Resp: 109701

Ion Ratio Lower Upper

43 100

61 33.5 26.1 39.1

87 0.5 0.0 0.0#



#44

Trichloroethene

Concen: 52.062 ug/l

RT: 5.50 min Scan# 494

Delta R.T. -0.01 min

Lab File: VF061859.D

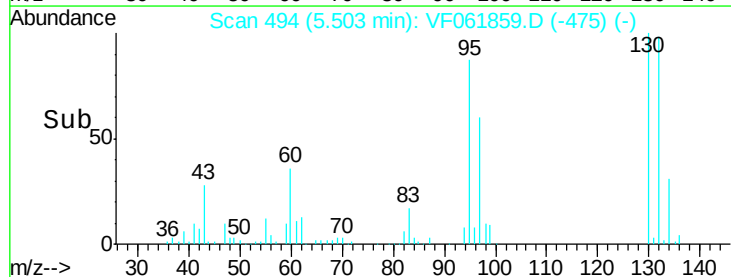
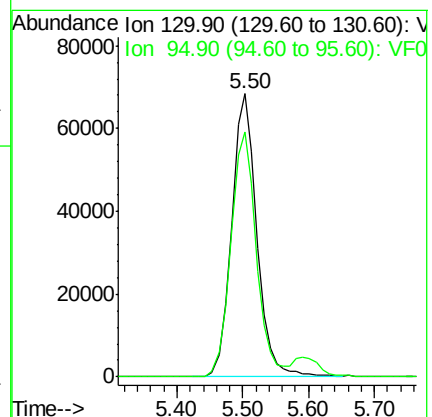
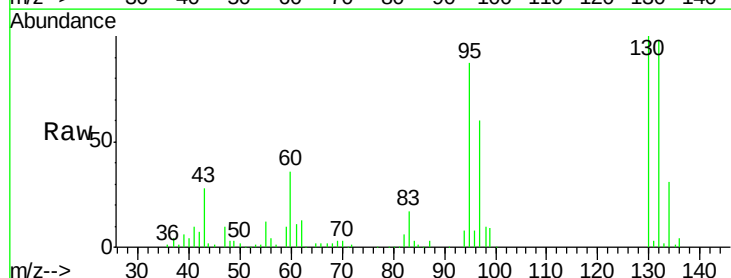
Acq: 5 Mar 2019 22:22

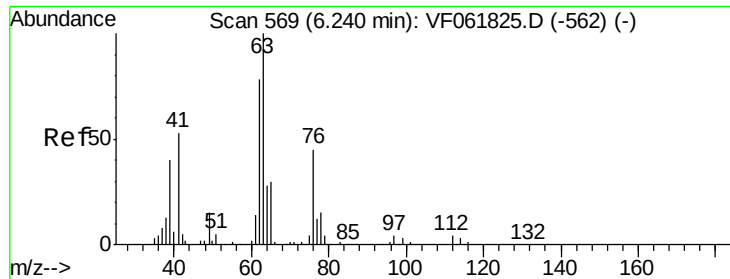
Tgt Ion:130 Resp: 183606

Ion Ratio Lower Upper

130 100

95 86.7 0.0 184.0

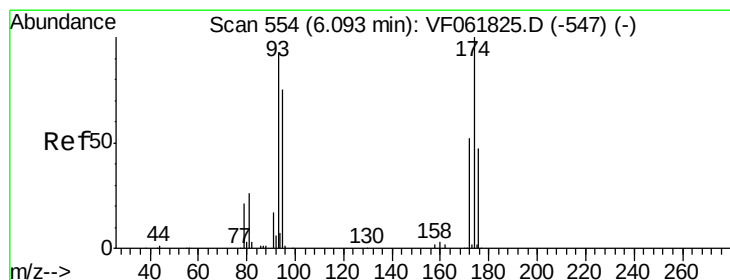
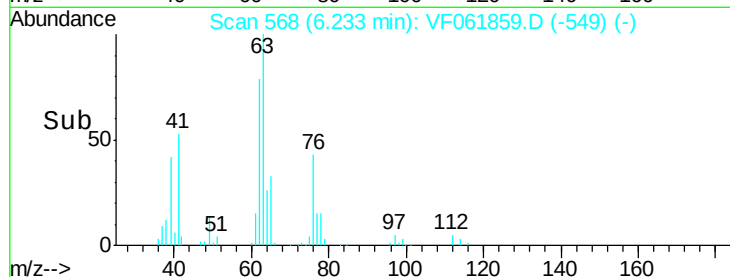
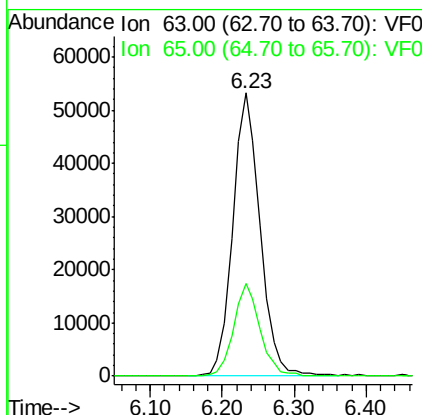
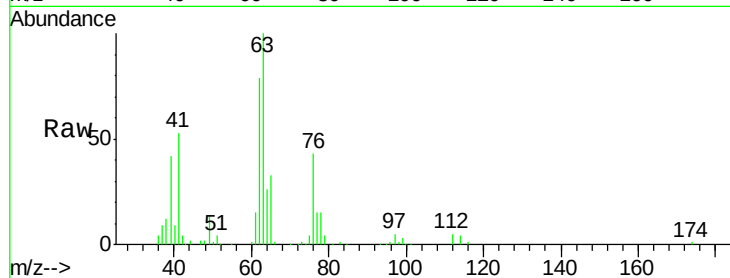




#45
 1,2-Dichloropropane
 Concen: 52.148 ug/l
 RT: 6.23 min Scan# 568
 Delta R.T. -0.01 min
 Lab File: VF061859.D
 Acq: 5 Mar 2019 22:22

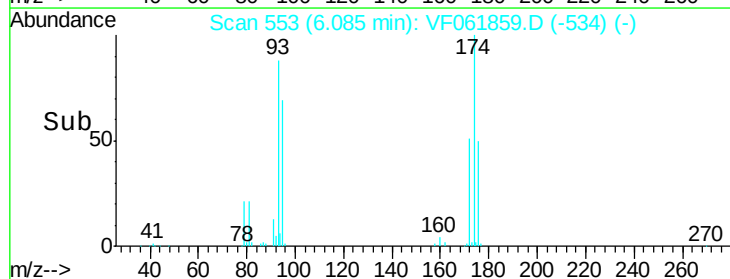
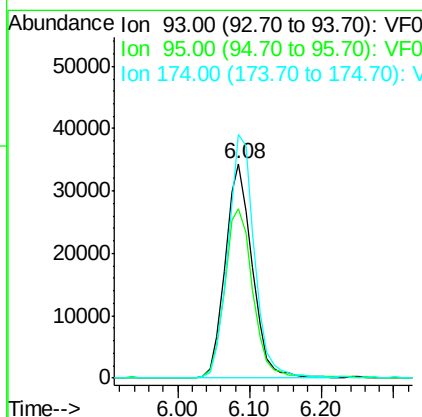
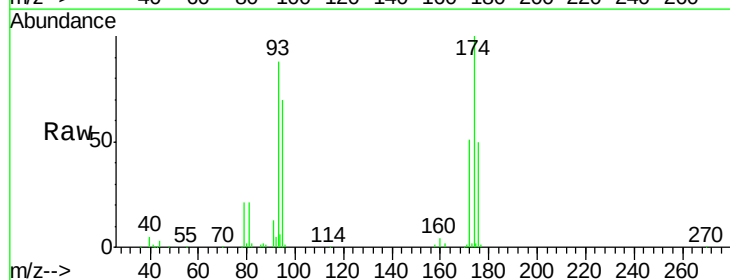
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

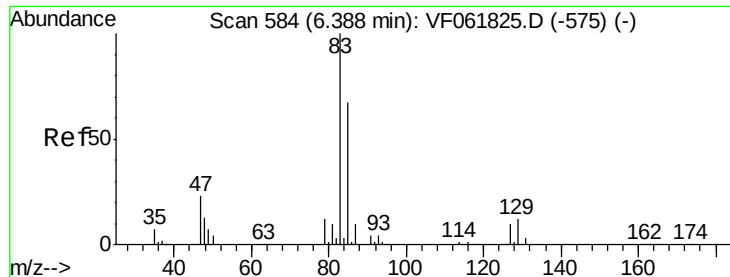
Tot Ion: 63 Resp: 140724
 Ion Ratio Lower Upper
 63 100
 65 32.8 24.0 36.0



#46
 Dibromomethane
 Concen: 52.618 ug/l
 RT: 6.08 min Scan# 553
 Delta R.T. -0.01 min
 Lab File: VF061859.D
 Acq: 5 Mar 2019 22:22

Tgt Ion: 93 Resp: 89364
 Ion Ratio Lower Upper
 93 100
 95 78.9 64.4 96.6
 174 113.5 85.8 128.6





#47

Bromodichloromethane

Concen: 52.920 ug/l

RT: 6.38 min Scan# 583

Delta R.T. -0.01 min

Lab File: VF061859.D

Acq: 5 Mar 2019 22:22

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

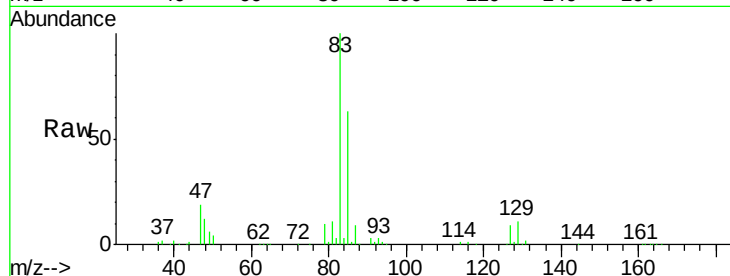
Tot Ion: 83 Resp: 198562

Ion Ratio Lower Upper

83 100

85 63.3 53.6 80.4

127 8.5 8.1 12.1

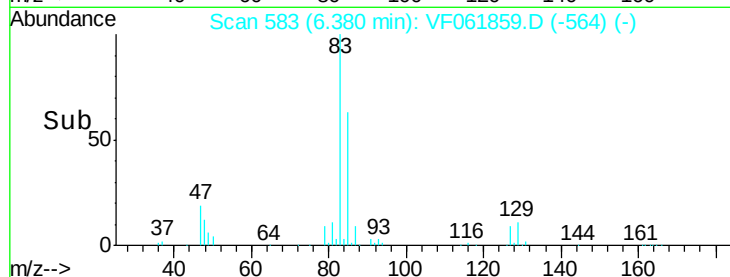


Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V

Time-->



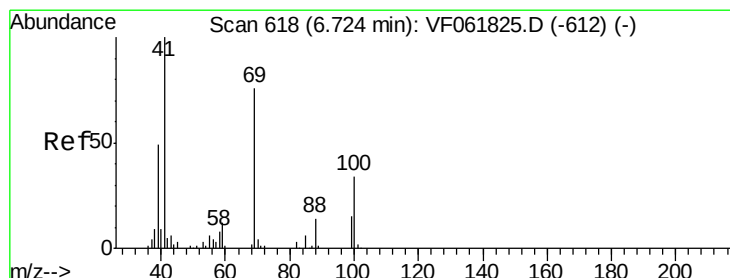
Abundance

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

Time-->



#48

Methyl methacrylate

Concen: 46.802 ug/l

RT: 6.72 min Scan# 617

Delta R.T. -0.01 min

Lab File: VF061859.D

Acq: 5 Mar 2019 22:22

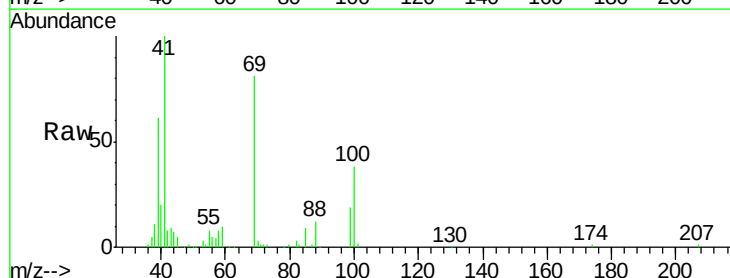
Tgt Ion: 41 Resp: 66534

Ion Ratio Lower Upper

41 100

69 81.1 60.4 90.6

39 61.5 39.7 59.5#

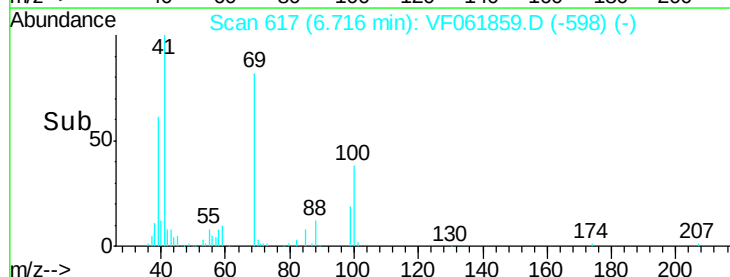


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Time-->



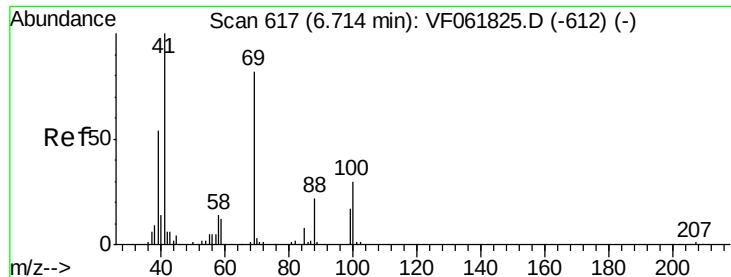
Abundance

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

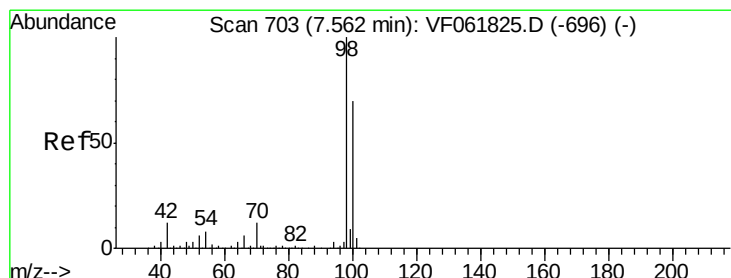
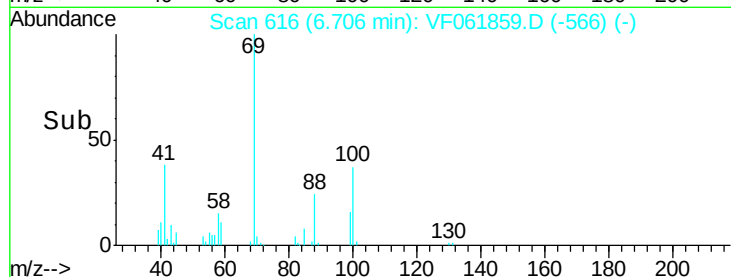
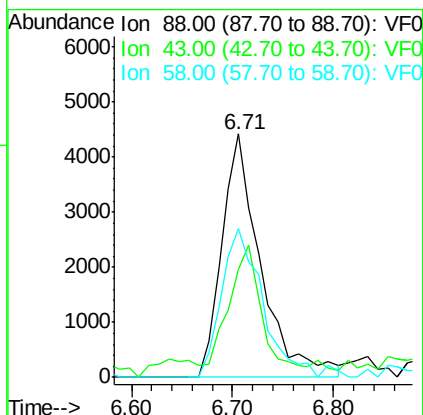
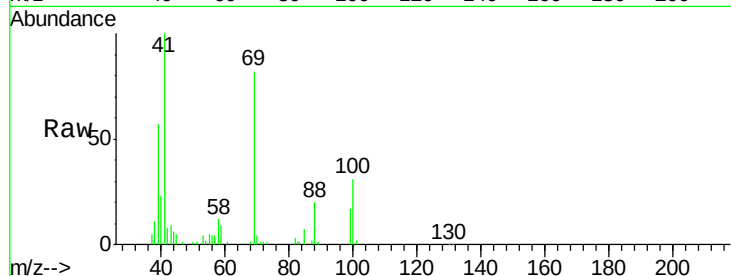
Time-->



#49
1,4-Dioxane
Concen: 909.077 ug/l
RT: 6.71 min Scan# 616
Delta R.T. -0.01 min
Lab File: VF061859.D
Acq: 5 Mar 2019 22:22

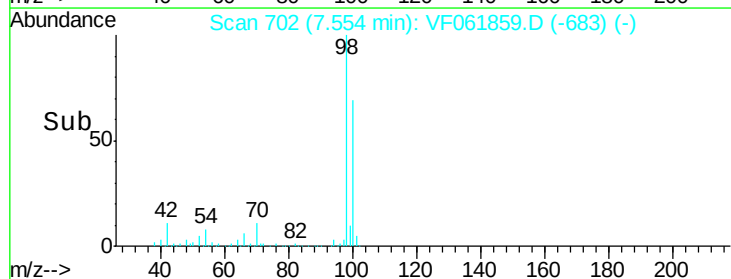
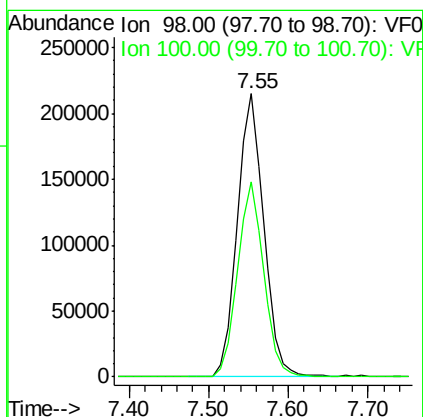
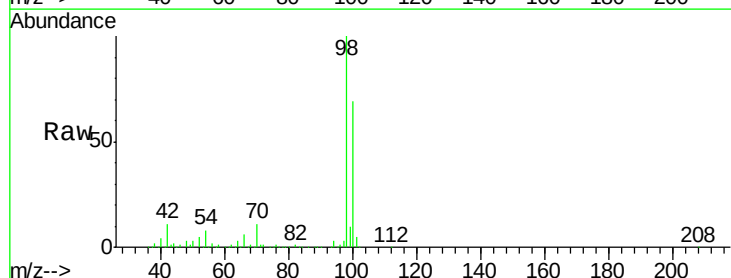
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

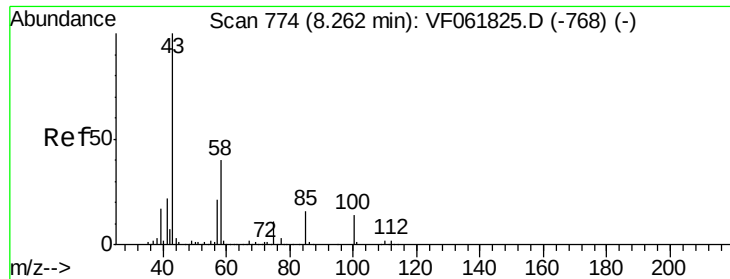
Tot Ion: 88 Resp: 11814
Ion Ratio Lower Upper
88 100
43 44.6 28.4 42.6#
58 61.3 50.7 76.1



#50
Toluene-d8
Concen: 52.127 ug/l
RT: 7.55 min Scan# 702
Delta R.T. -0.01 min
Lab File: VF061859.D
Acq: 5 Mar 2019 22:22

Tgt Ion: 98 Resp: 496960
Ion Ratio Lower Upper
98 100
100 69.0 56.0 84.0





#51

4-Methyl-2-Pentanone

Concen: 245.576 ug/l

RT: 8.25 min Scan# 773

Delta R.T. -0.01 min

Lab File: VF061859.D

Acq: 5 Mar 2019 22:22

Instrument :

MSVOA_F

ClientSampleId :

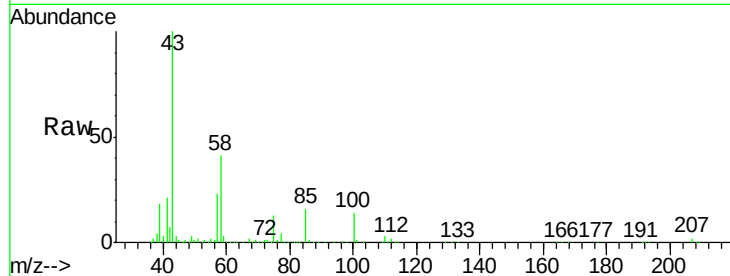
VSTDCCC050EC

Tot Ion: 43 Resp: 381252

Ion Ratio Lower Upper

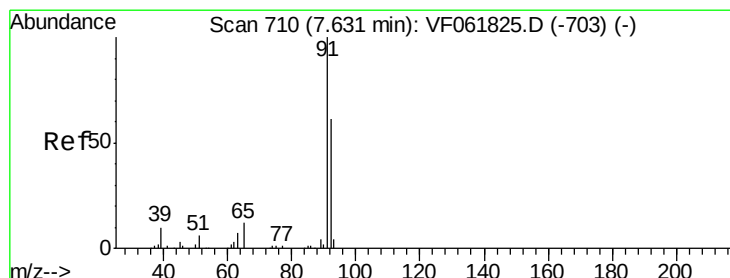
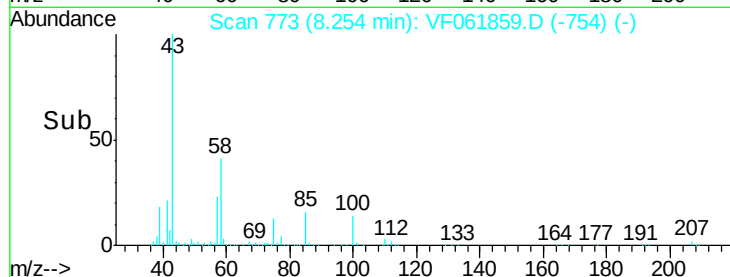
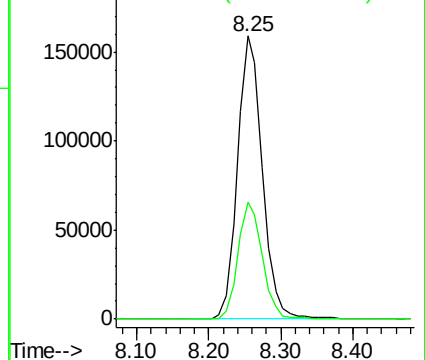
43 100

58 41.3 31.8 47.8



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 49.920 ug/l

RT: 7.62 min Scan# 709

Delta R.T. -0.01 min

Lab File: VF061859.D

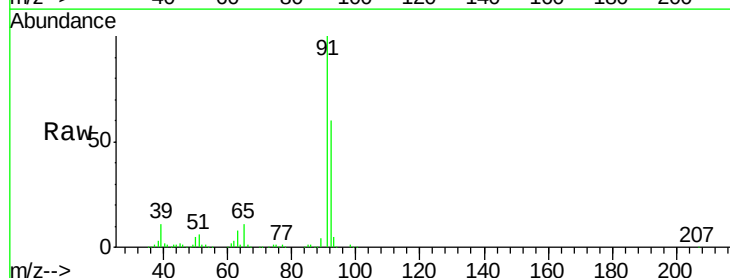
Acq: 5 Mar 2019 22:22

Tgt Ion: 92 Resp: 335133

Ion Ratio Lower Upper

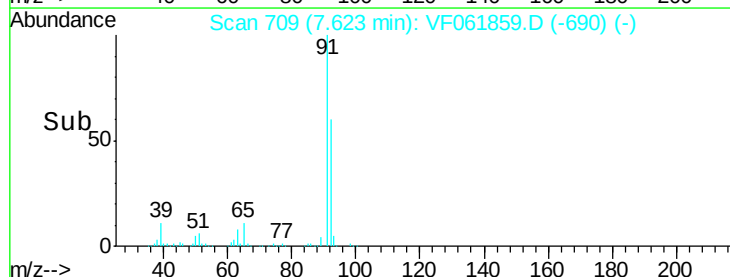
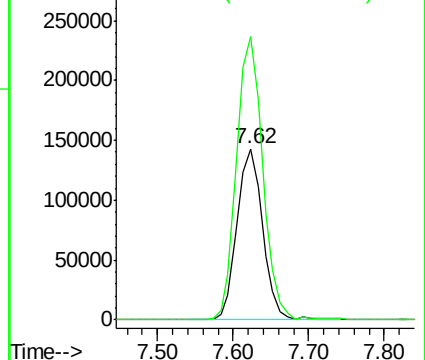
92 100

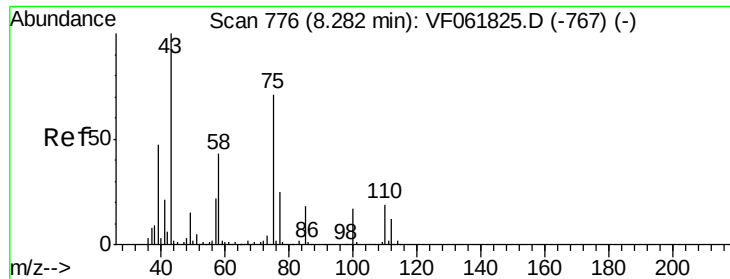
91 165.6 132.0 198.0



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

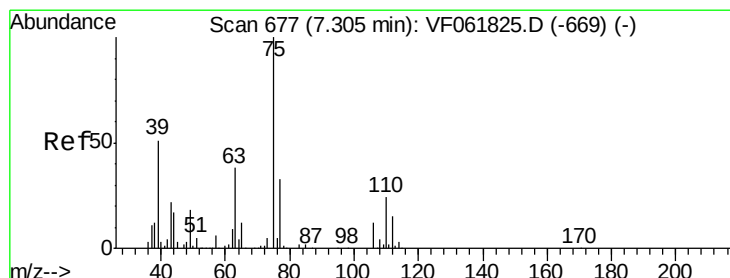
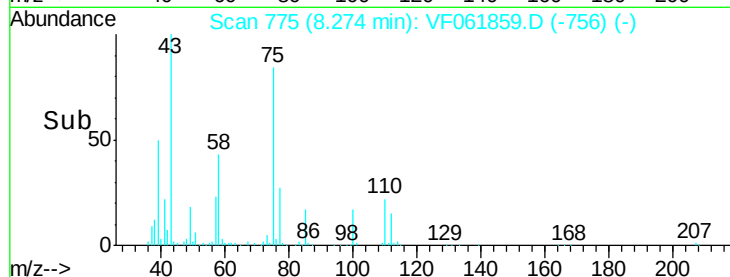
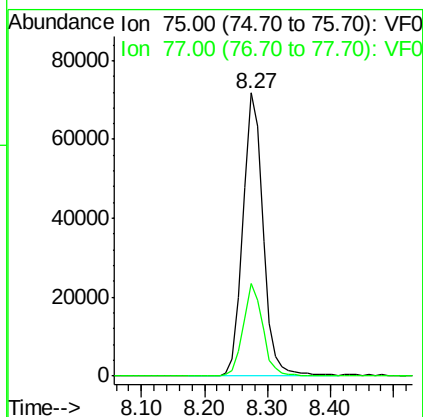
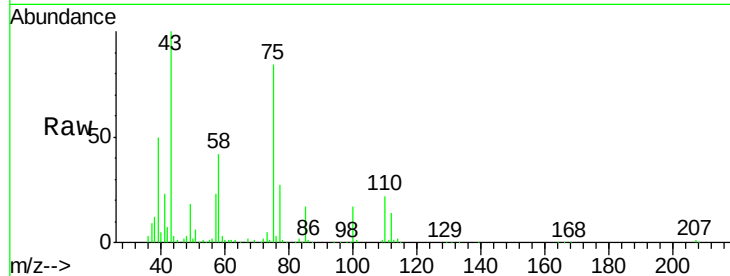




#53
t-1,3-Dichloropropene
Concen: 51.700 ug/l
RT: 8.27 min Scan# 775
Delta R.T. -0.01 min
Lab File: VF061859.D
Acq: 5 Mar 2019 22:22

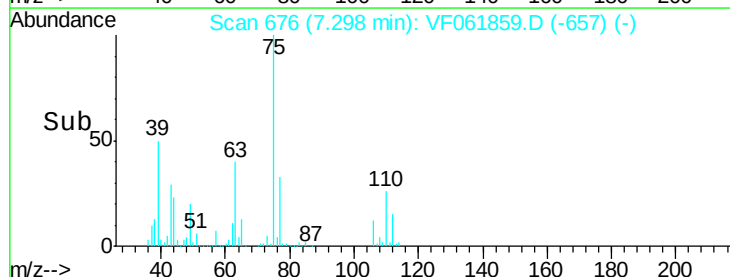
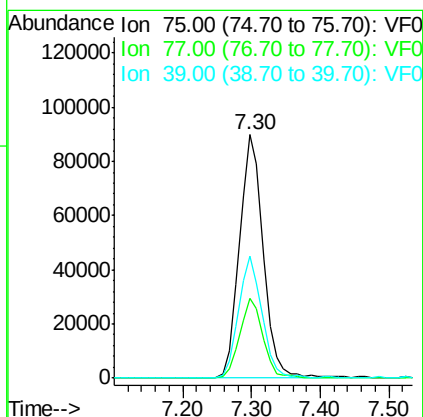
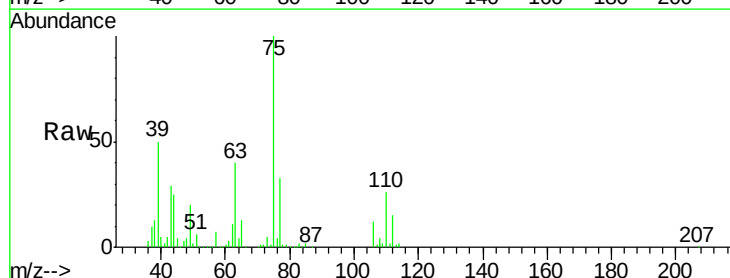
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

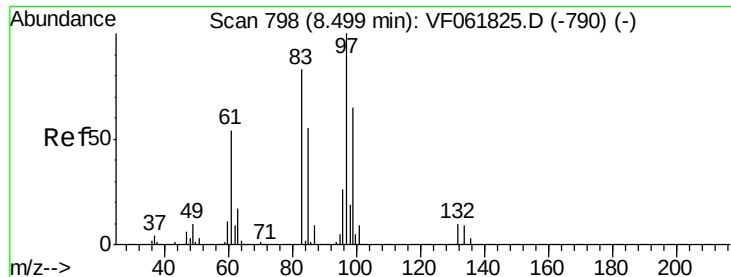
Tot Ion: 75 Resp: 160123
Ion Ratio Lower Upper
75 100
77 32.5 28.0 42.0



#54
cis-1,3-Dichloropropene
Concen: 50.428 ug/l
RT: 7.30 min Scan# 676
Delta R.T. -0.01 min
Lab File: VF061859.D
Acq: 5 Mar 2019 22:22

Tgt Ion: 75 Resp: 215428
Ion Ratio Lower Upper
75 100
77 32.5 26.3 39.5
39 50.1 40.8 61.2





#55

1,1,2-Trichloroethane

Concen: 52.300 ug/l

RT: 8.49 min Scan# 797

Delta R.T. -0.01 min

Lab File: VF061859.D

Acq: 5 Mar 2019 22:22

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 101163

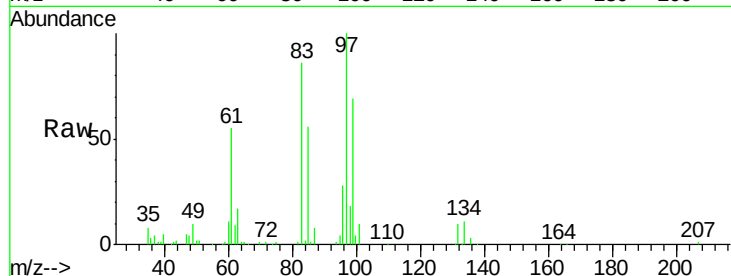
Ion	Ratio	Lower	Upper
97	100		
83	85.9	66.5	99.7
85	56.2	44.2	66.2
99	69.4	51.8	77.6

97 100

83 85.9 66.5 99.7

85 56.2 44.2 66.2

99 69.4 51.8 77.6

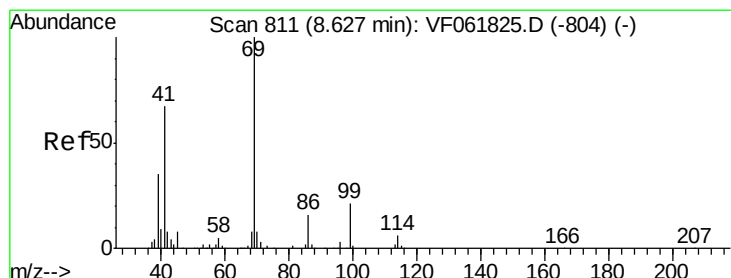
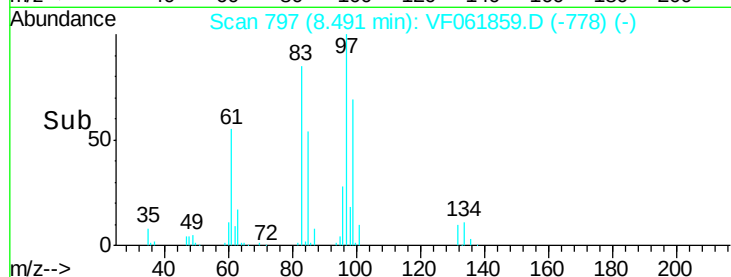
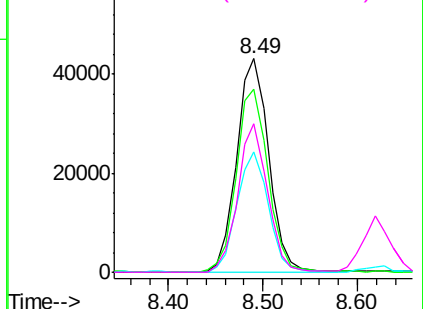


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 48.486 ug/l

RT: 8.62 min Scan# 810

Delta R.T. -0.01 min

Lab File: VF061859.D

Acq: 5 Mar 2019 22:22

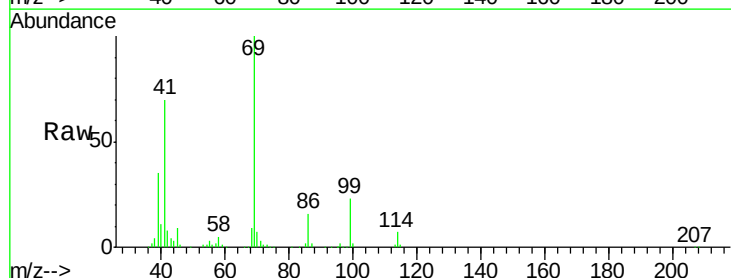
Tgt Ion: 69 Resp: 105697

Ion	Ratio	Lower	Upper
69	100		
41	69.9	53.9	80.9
39	34.6	28.3	42.5

69 100

41 69.9 53.9 80.9

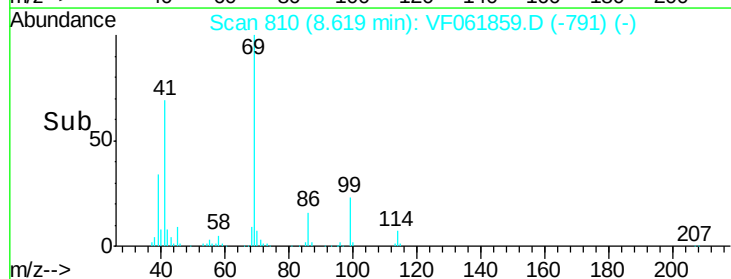
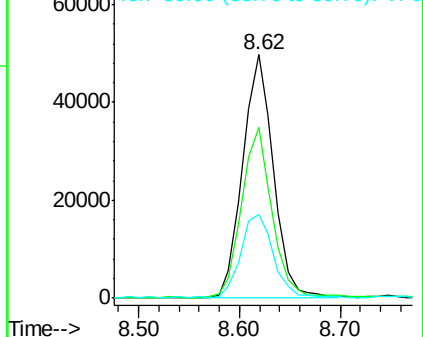
39 34.6 28.3 42.5

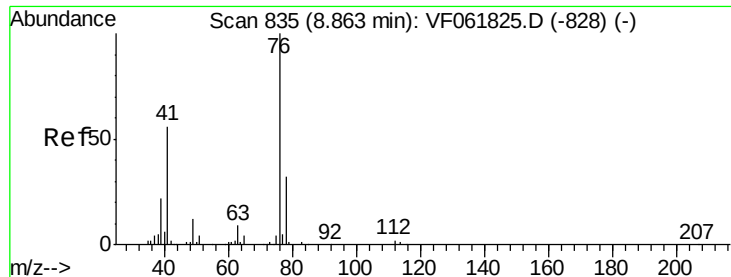


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 52.339 ug/l

RT: 8.86 min Scan# 834

Delta R.T. -0.01 min

Lab File: VF061859.D

Acq: 5 Mar 2019 22:22

Instrument :

MSVOA_F

ClientSampleId :

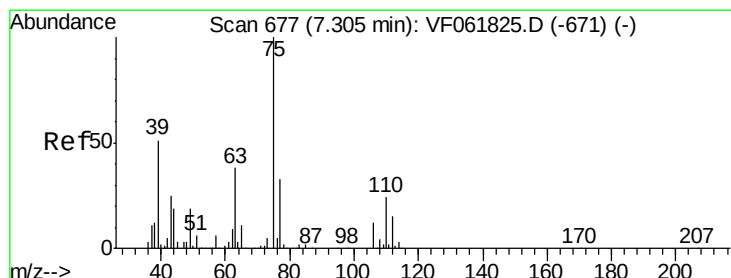
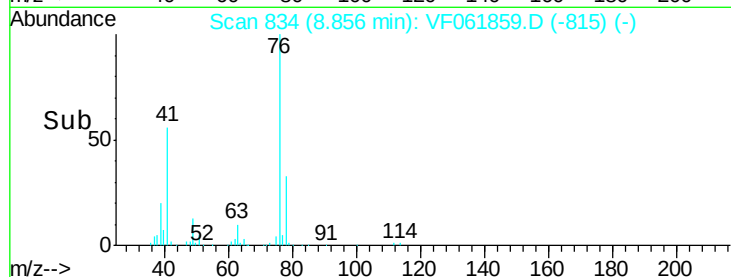
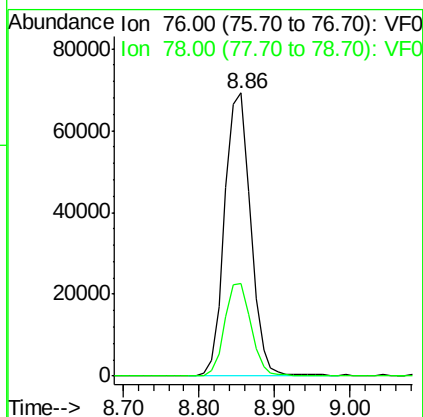
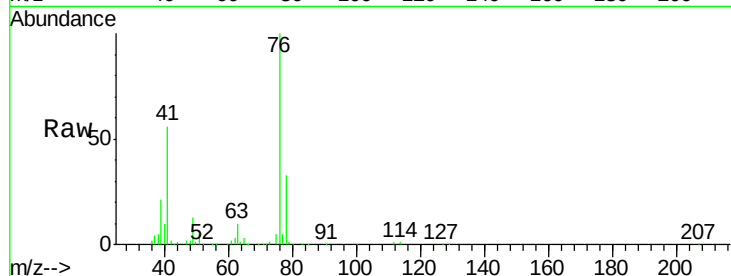
VSTDCCC050EC

Tot Ion: 76 Resp: 165565

Ion Ratio Lower Upper

76 100

78 32.6 25.4 38.2



#58

2-Chloroethyl Vinyl ether

Concen: 259.441 ug/l

RT: 7.30 min Scan# 676

Delta R.T. -0.01 min

Lab File: VF061859.D

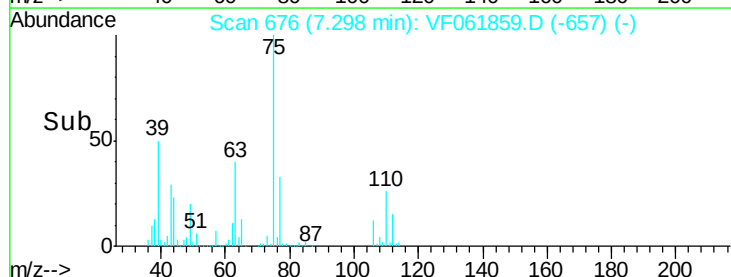
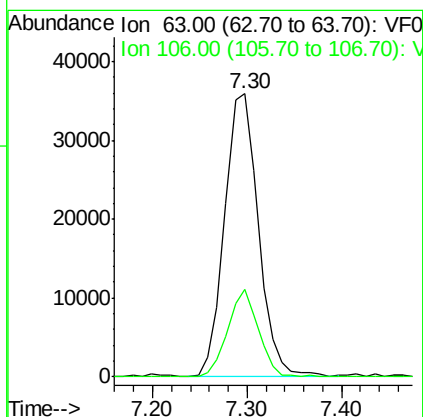
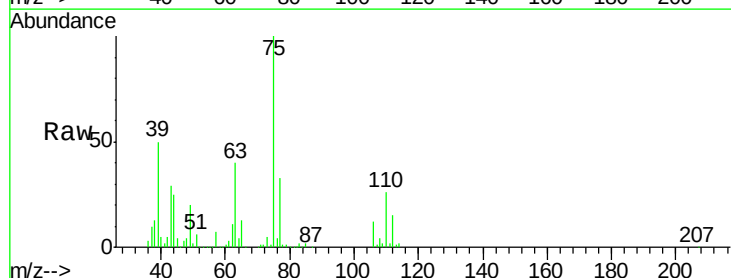
Acq: 5 Mar 2019 22:22

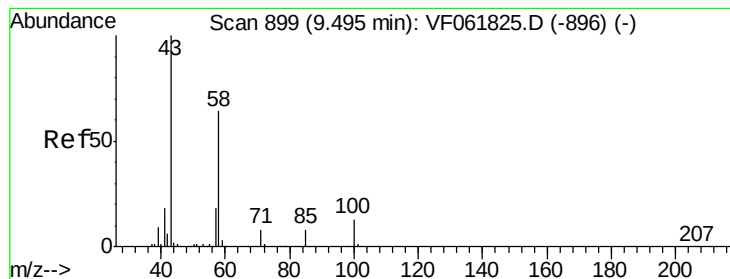
Tgt Ion: 63 Resp: 89467

Ion Ratio Lower Upper

63 100

106 31.0 24.3 36.5





#59

2-Hexanone

Concen: 221.331 ug/l

RT: 9.49 min Scan# 898

Delta R.T. -0.01 min

Lab File: VF061859.D

Acq: 5 Mar 2019 22:22

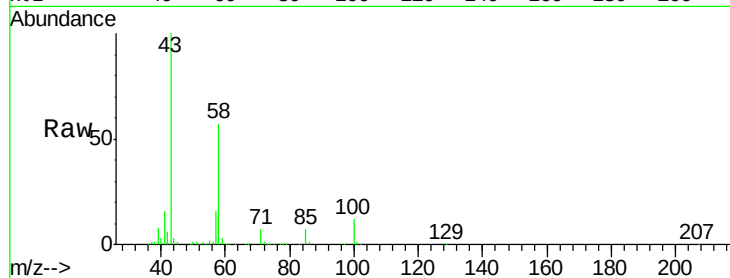
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 247887

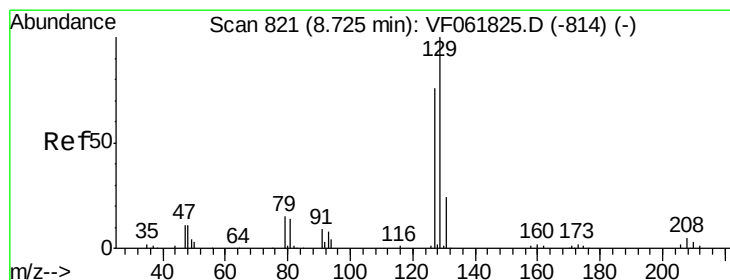
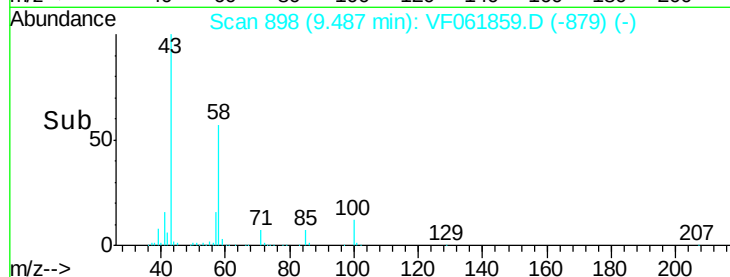
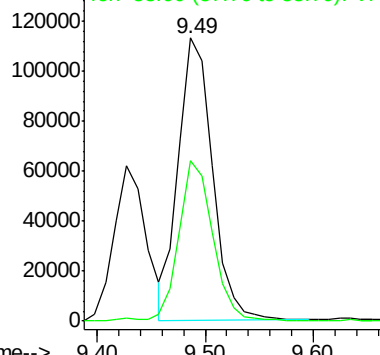
Ion Ratio Lower Upper

43 100

58 56.6 28.8 86.4



Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0



#60

Dibromochloromethane

Concen: 53.966 ug/l

RT: 8.72 min Scan# 820

Delta R.T. -0.01 min

Lab File: VF061859.D

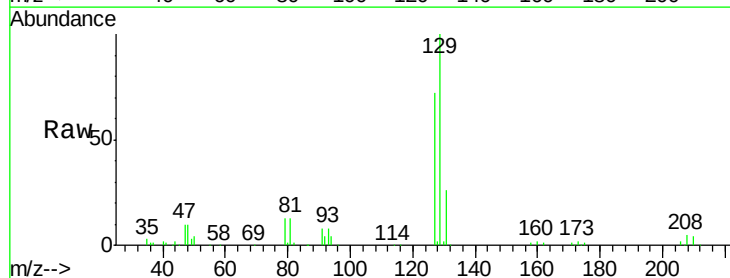
Acq: 5 Mar 2019 22:22

Tgt Ion: 129 Resp: 148777

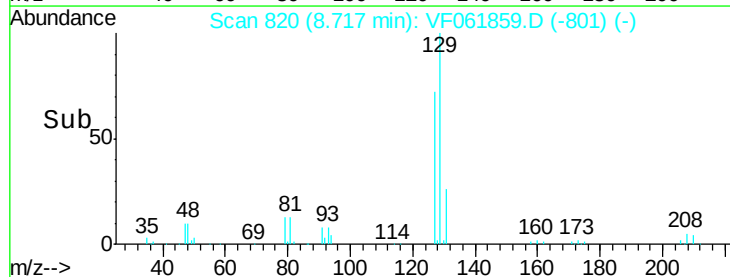
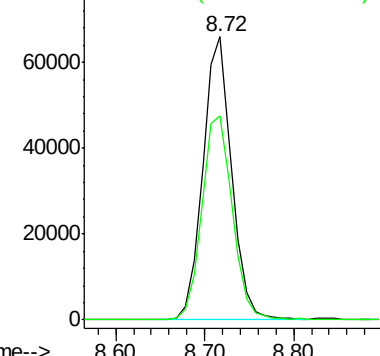
Ion Ratio Lower Upper

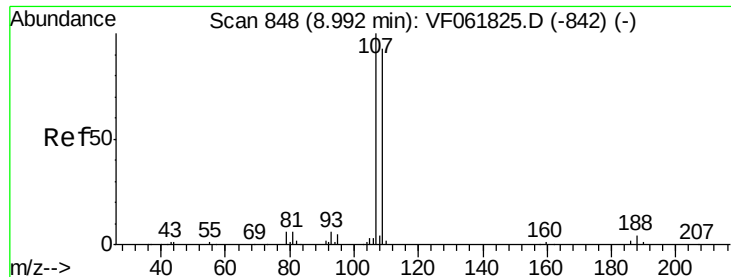
129 100

127 72.2 38.2 114.6



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





#61

1,2-Dibromoethane

Concen: 53.220 ug/l

RT: 8.98 min Scan# 847

Delta R.T. -0.01 min

Lab File: VF061859.D

Acq: 5 Mar 2019 22:22

Instrument :

MSVOA_F

ClientSampleId :

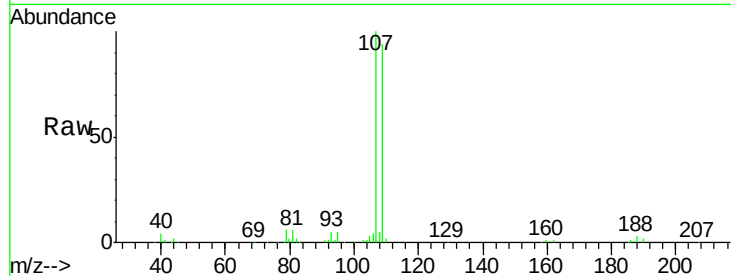
VSTDCCC050EC

Tot Ion:107 Resp: 113204

Ion Ratio Lower Upper

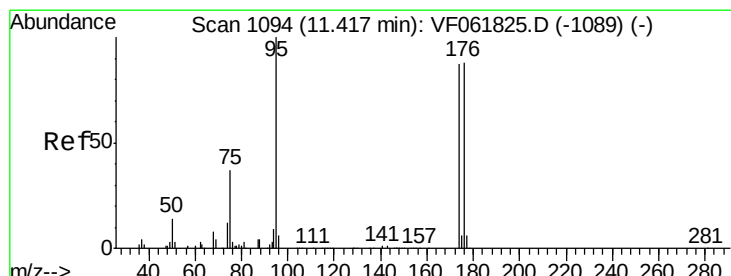
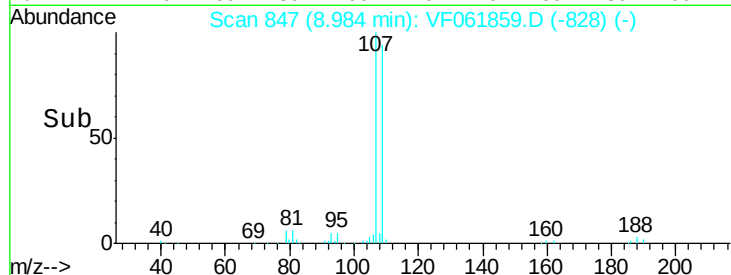
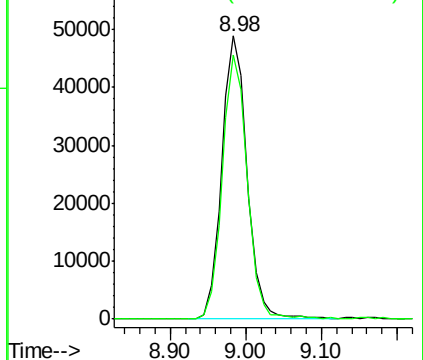
107 100

109 93.5 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: 50.048 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.01 min

Lab File: VF061859.D

Acq: 5 Mar 2019 22:22

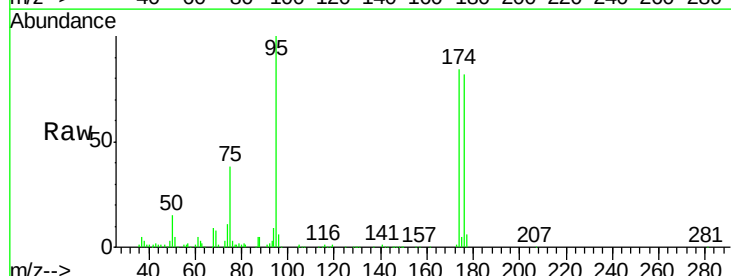
Tgt Ion: 95 Resp: 186908

Ion Ratio Lower Upper

95 100

174 83.6 0.0 174.0

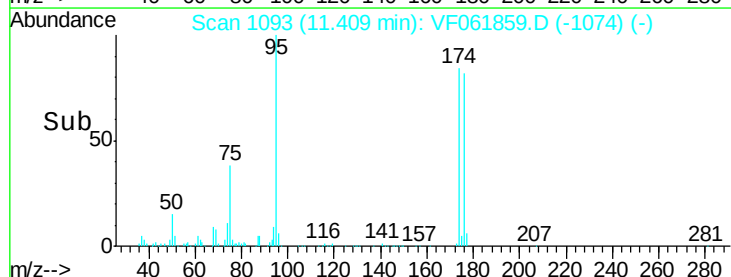
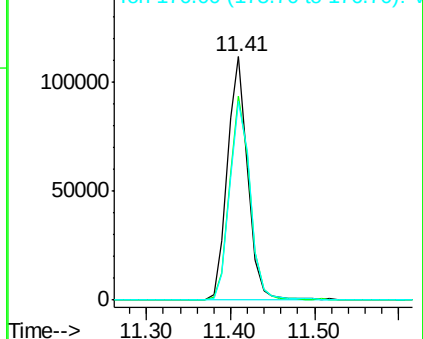
176 81.7 0.0 175.2

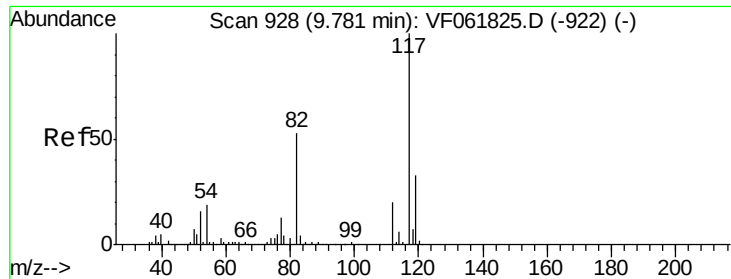


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

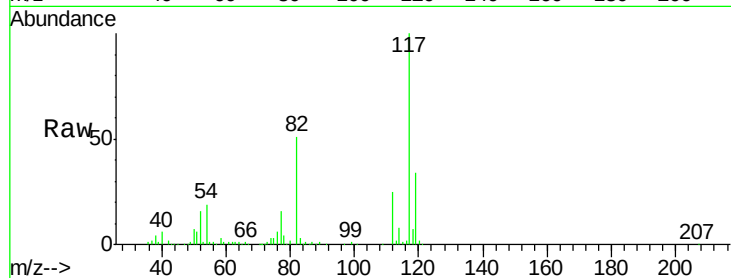




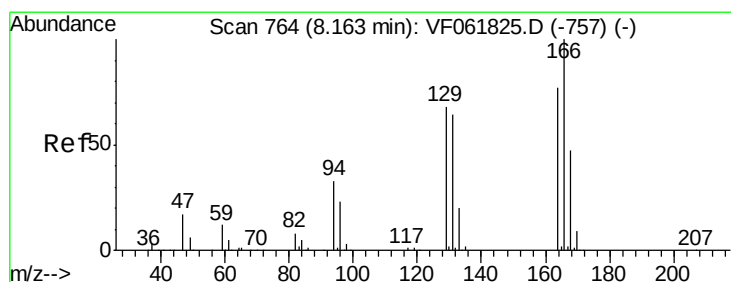
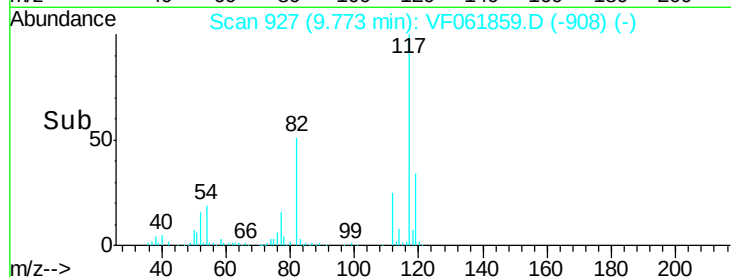
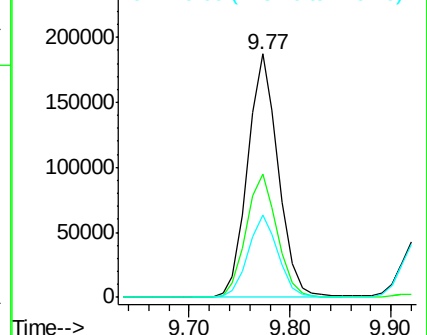
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. -0.01 min
Lab File: VF061859.D
Acq: 5 Mar 2019 22:22

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.8	42.6	63.8
119	34.0	26.0	39.0

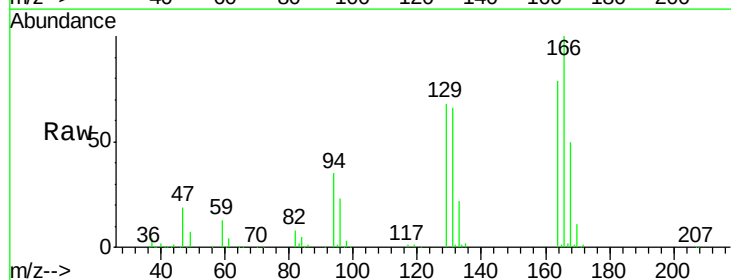


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

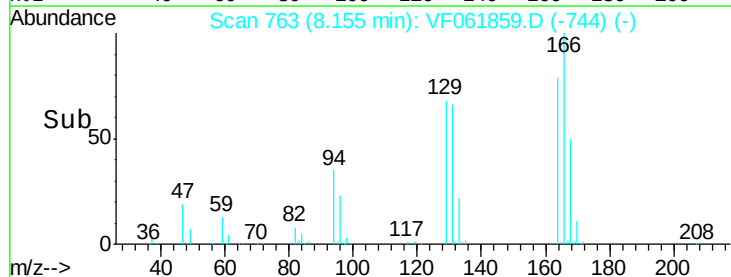
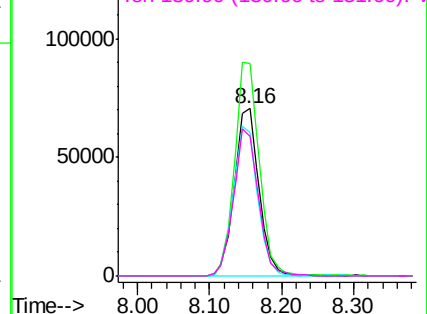


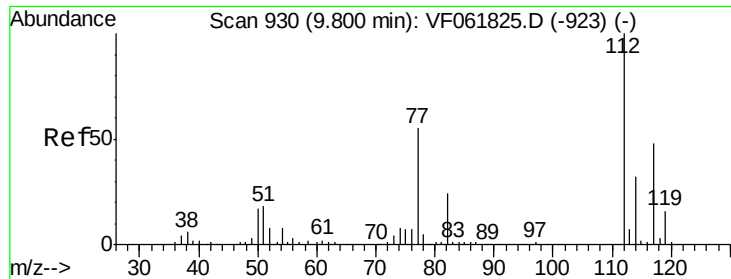
#64
Tetrachloroethene
Concen: 55.601 ug/l
RT: 8.16 min Scan# 763
Delta R.T. -0.01 min
Lab File: VF061859.D
Acq: 5 Mar 2019 22:22

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.5	103.4	155.0
129	86.0	69.9	104.9
131	83.1	66.4	99.6



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V

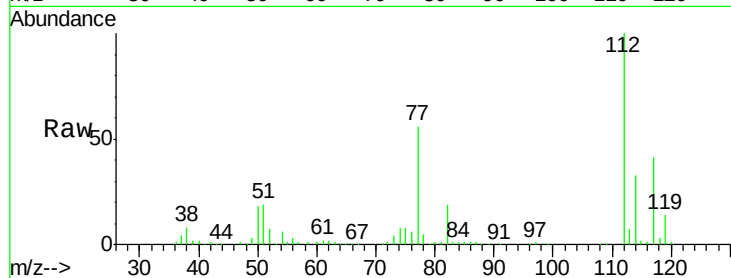




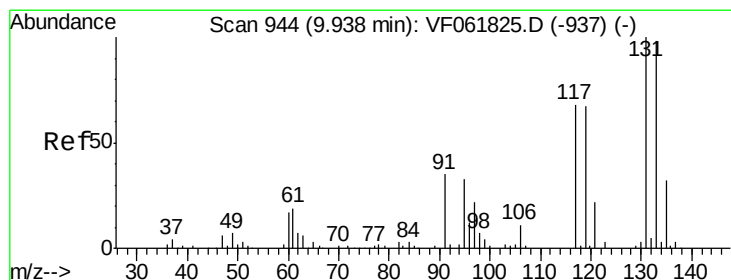
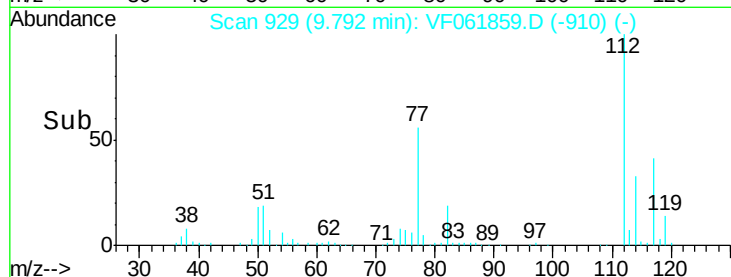
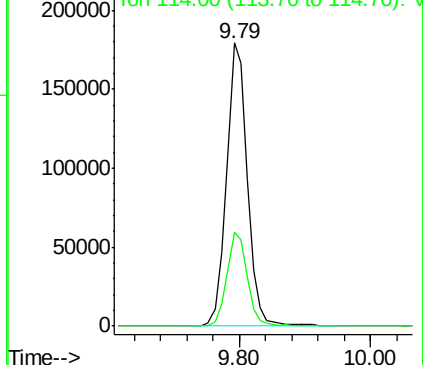
#65
Chlorobenzene
Concen: 52.081 ug/l
RT: 9.79 min Scan# 929
Delta R.T. -0.01 min
Lab File: VF061859.D
Acq: 5 Mar 2019 22:22

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 396839
Ion Ratio Lower Upper
112 100
114 33.0 25.5 38.3

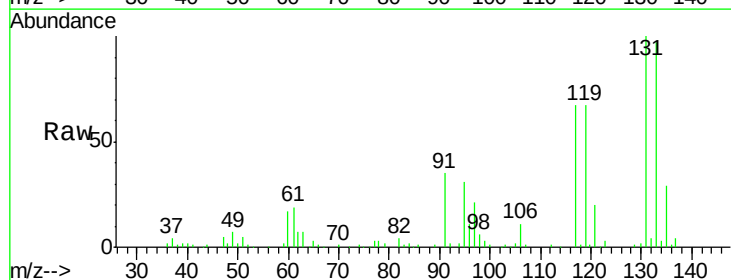


Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V

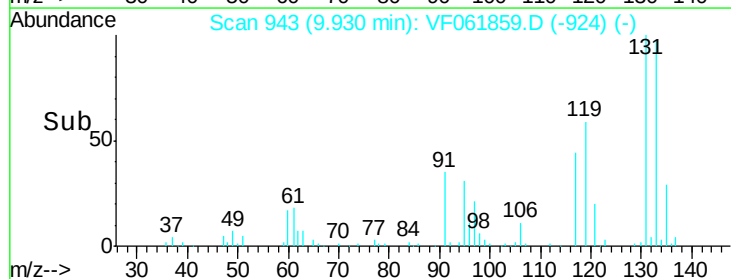
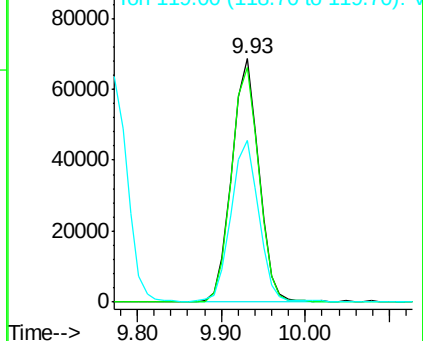


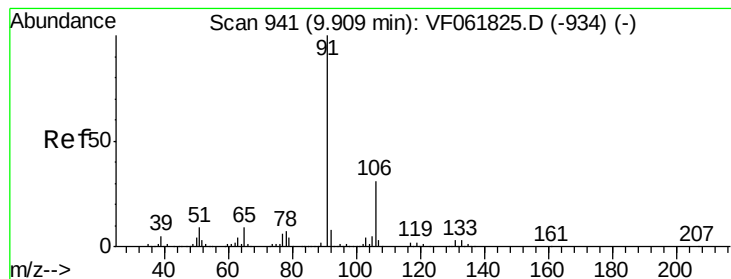
#66
1,1,1,2-Tetrachloroethane
Concen: 52.081 ug/l
RT: 9.93 min Scan# 943
Delta R.T. -0.01 min
Lab File: VF061859.D
Acq: 5 Mar 2019 22:22

Tgt Ion:131 Resp: 153755
Ion Ratio Lower Upper
131 100
133 96.6 48.9 146.7
119 66.5 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





#67

Ethyl Benzene

Concen: 54.050 ug/l

RT: 9.90 min Scan# 940

Delta R.T. -0.01 min

Lab File: VF061859.D

Acq: 5 Mar 2019 22:22

Instrument :

MSVOA_F

ClientSampleId :

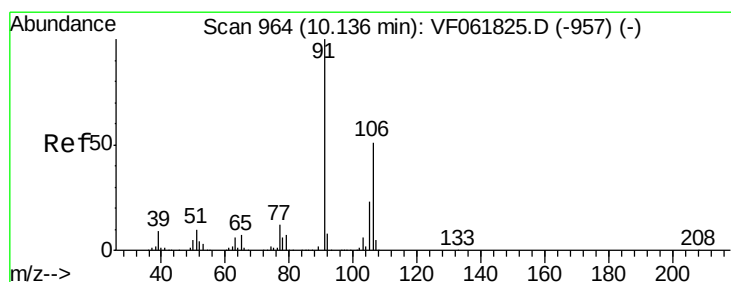
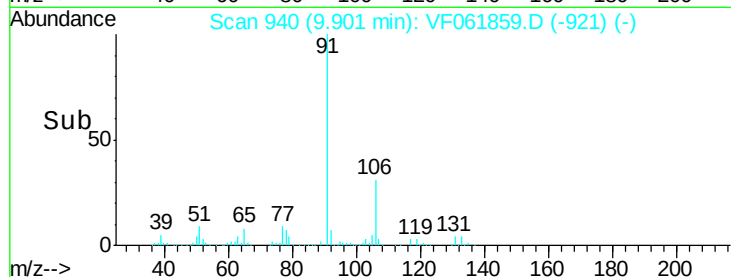
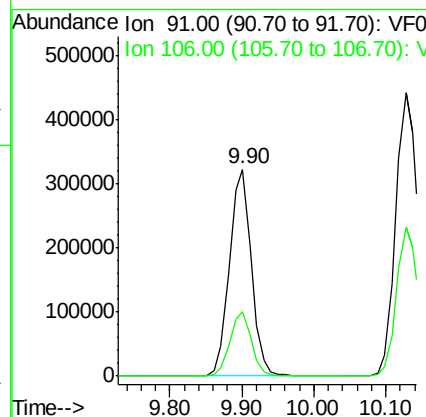
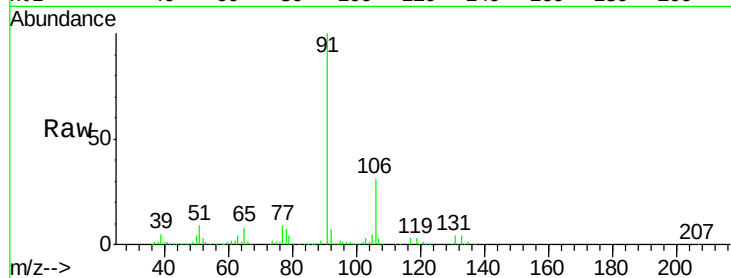
VSTDCCC050EC

Tot Ion: 91 Resp: 682618

Ion Ratio Lower Upper

91 100

106 31.0 25.0 37.4



#68

m/p-Xylenes

Concen: 101.262 ug/l

RT: 10.13 min Scan# 963

Delta R.T. -0.01 min

Lab File: VF061859.D

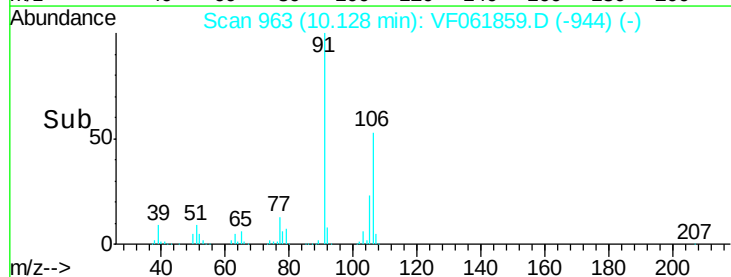
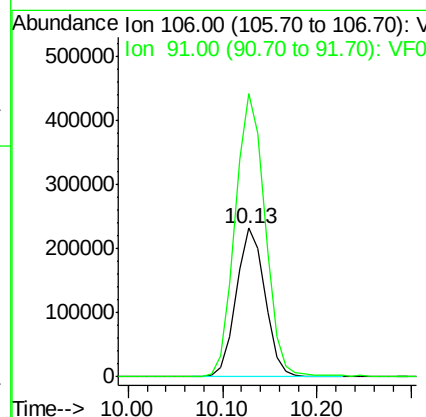
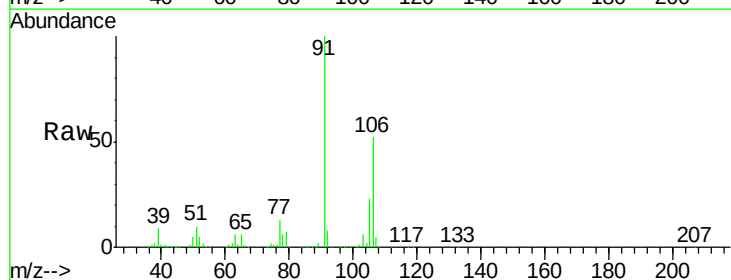
Acq: 5 Mar 2019 22:22

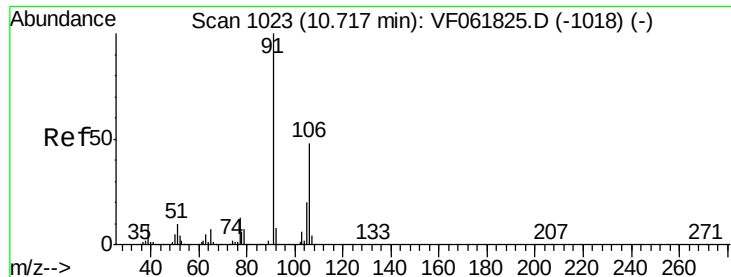
Tgt Ion: 106 Resp: 489920

Ion Ratio Lower Upper

106 100

91 190.6 157.5 236.3

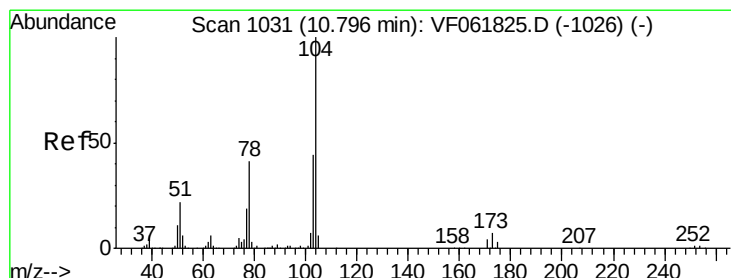
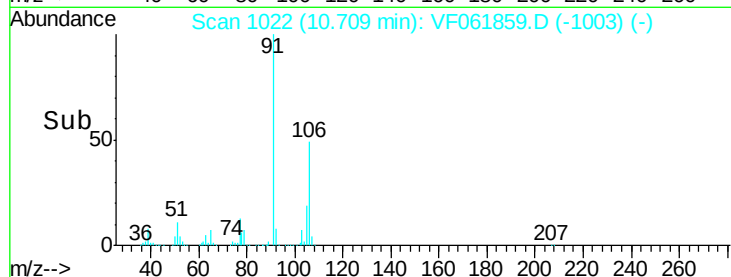
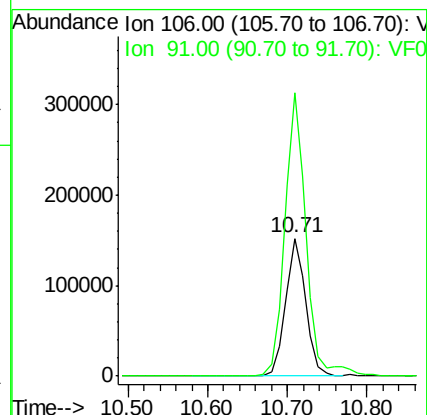
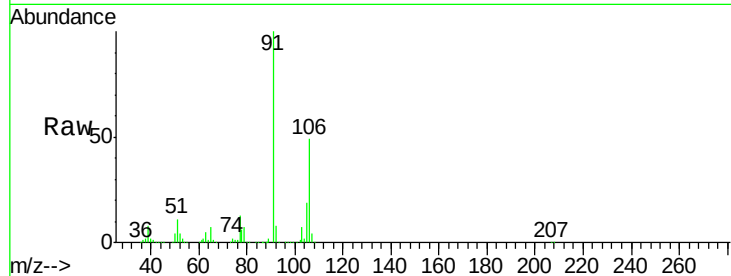




#69
o-Xylene
Concen: 51.922 ug/l
RT: 10.71 min Scan# 1022
Delta R.T. -0.01 min
Lab File: VF061859.D
Acq: 5 Mar 2019 22:22

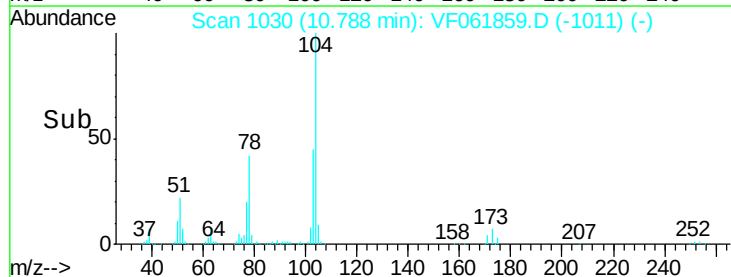
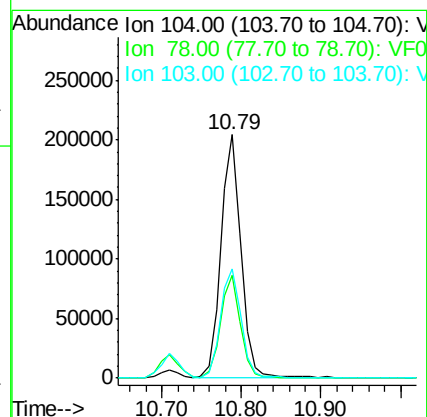
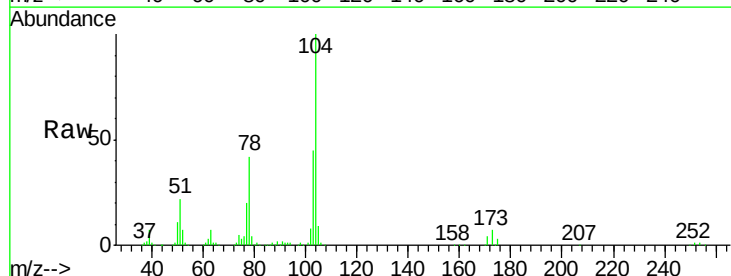
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

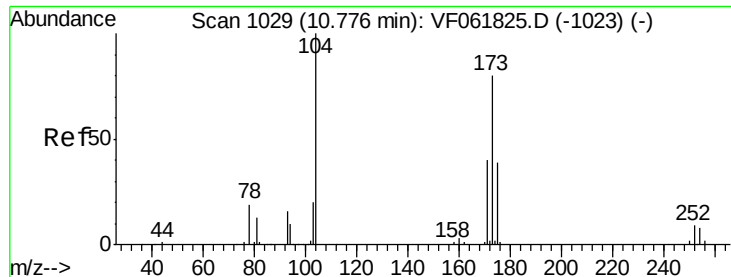
Tot Ion:106 Resp: 270499
Ion Ratio Lower Upper
106 100
91 205.9 103.5 310.3



#70
Styrene
Concen: 49.544 ug/l
RT: 10.79 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VF061859.D
Acq: 5 Mar 2019 22:22

Tgt Ion:104 Resp: 363247
Ion Ratio Lower Upper
104 100
78 42.3 33.3 49.9
103 45.0 35.4 53.0





#71

Bromoform

Concen: 49.982 ug/l

RT: 10.77 min Scan# 1028

Delta R.T. -0.01 min

Lab File: VF061859.D

Acq: 5 Mar 2019 22:22

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

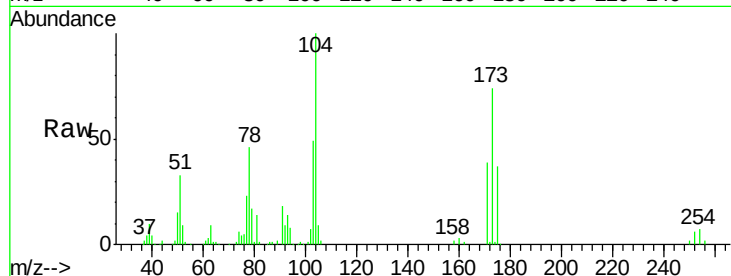
Tot Ion:173 Resp: 77987

Ion Ratio Lower Upper

173 100

175 49.9 24.5 73.5

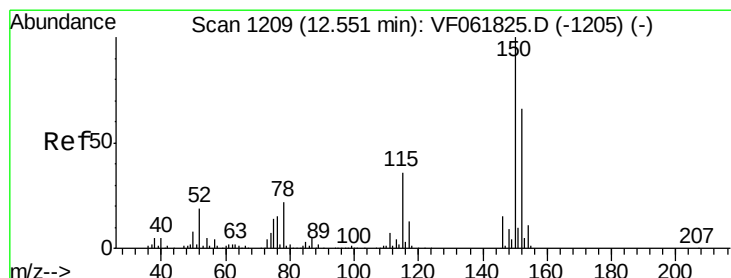
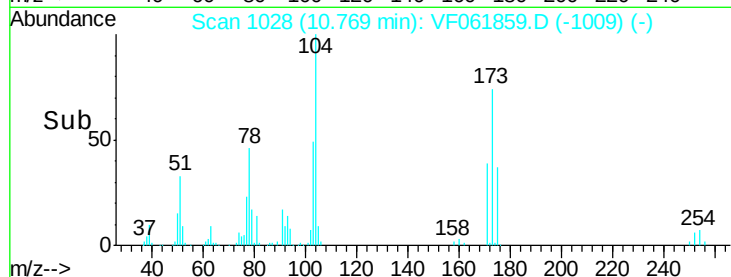
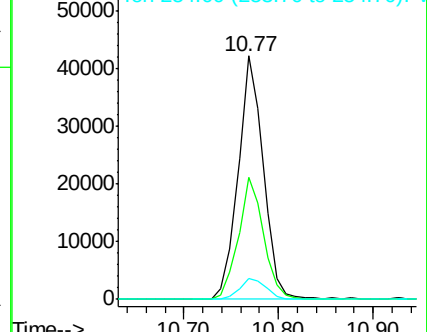
254 8.8 8.0 12.0



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: 12.55 min Scan# 1209

Delta R.T. 0.00 min

Lab File: VF061859.D

Acq: 5 Mar 2019 22:22

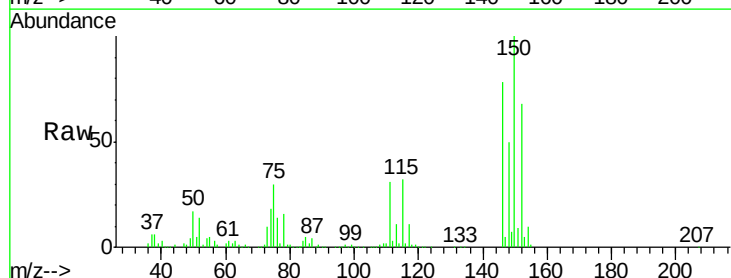
Tgt Ion:152 Resp: 213867

Ion Ratio Lower Upper

152 100

115 46.6 27.7 83.1

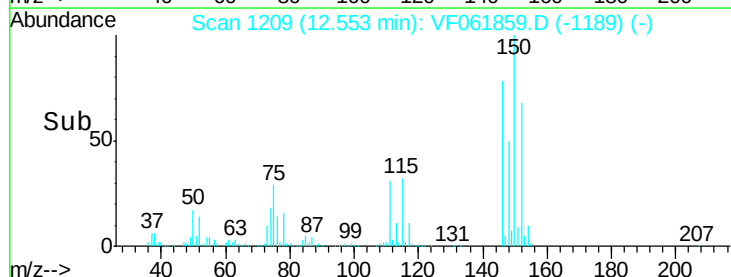
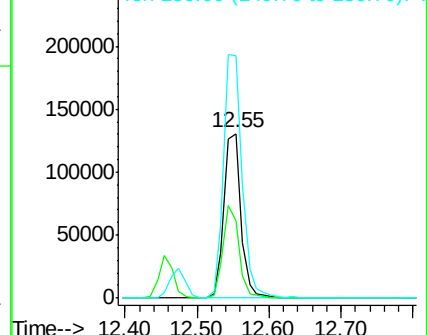
150 147.3 0.0 304.2

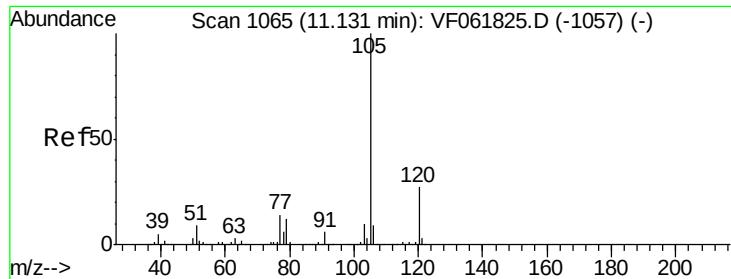


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 53.150 ug/l

RT: 11.12 min Scan# 1064

Delta R.T. -0.01 min

Lab File: VF061859.D

Acq: 5 Mar 2019 22:22

Instrument :

MSVOA_F

ClientSampleId :

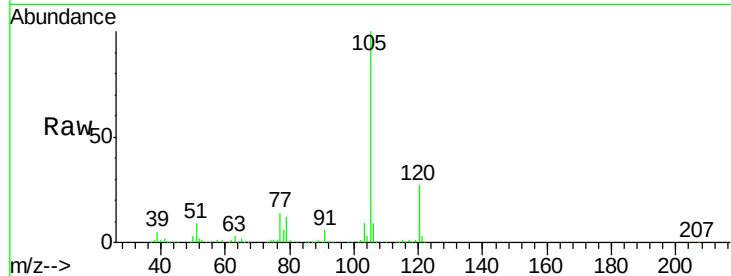
VSTDCCC050EC

Tot Ion:105 Resp: 782551

Ion Ratio Lower Upper

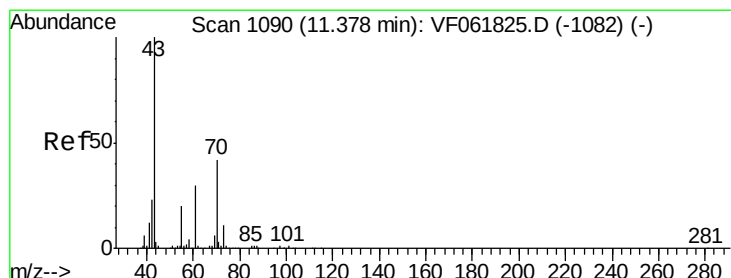
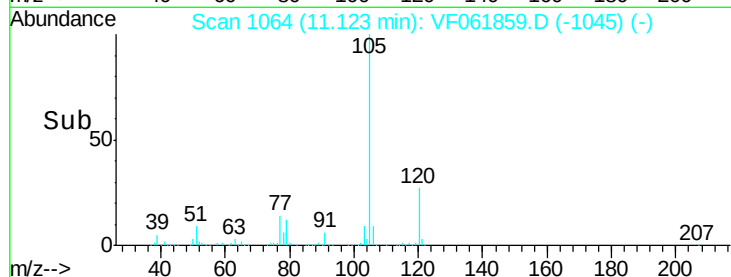
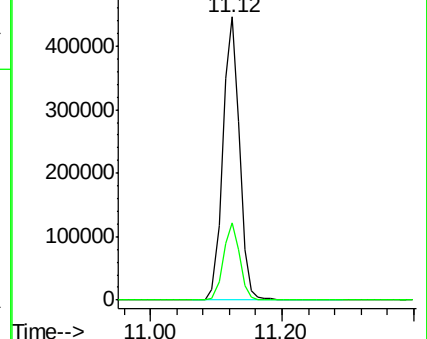
105 100

120 27.4 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: 49.757 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VF061859.D

Acq: 5 Mar 2019 22:22

Tgt Ion: 43 Resp: 168657

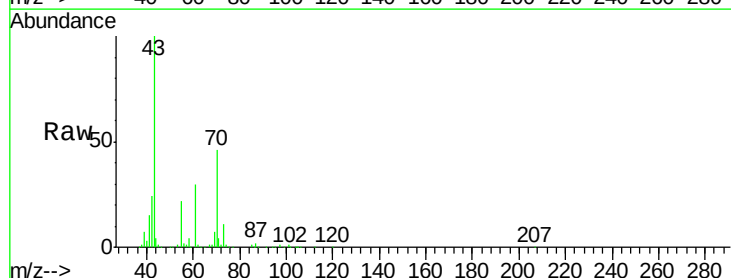
Ion Ratio Lower Upper

43 100

70 46.0 33.4 50.0

55 21.6 16.3 24.5

61 29.9 24.0 36.0

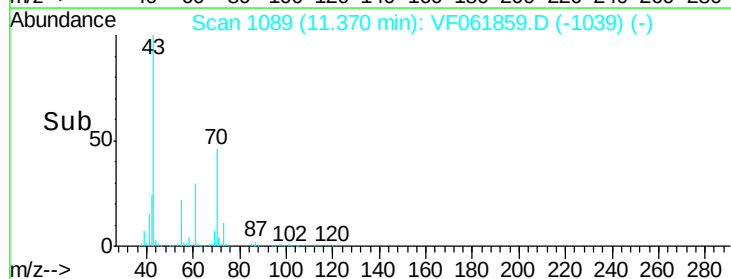
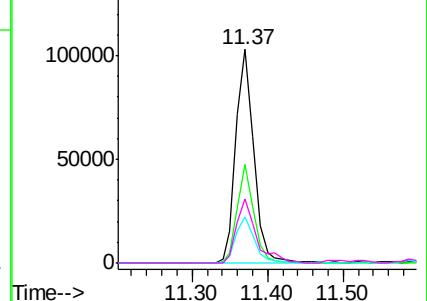


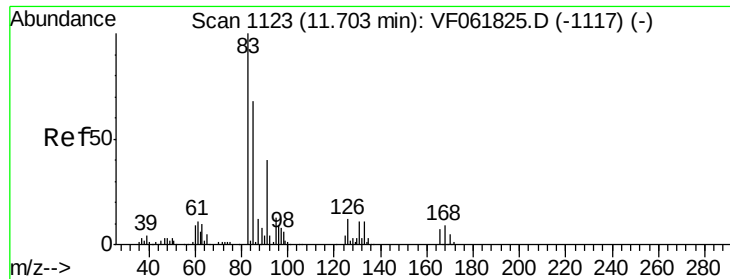
Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 49.434 ug/l

RT: 11.70 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VF061859.D

Acq: 5 Mar 2019 22:22

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

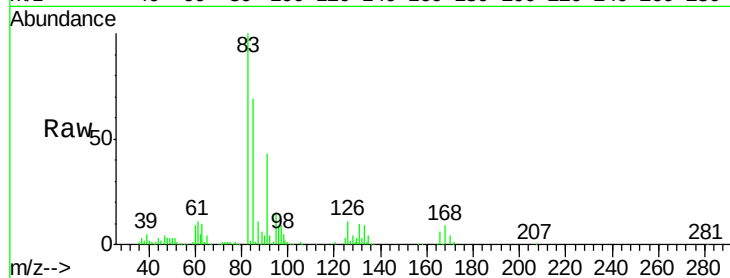
Tot Ion: 83 Resp: 120970

Ion Ratio Lower Upper

83 100

131 9.5 5.5 16.7

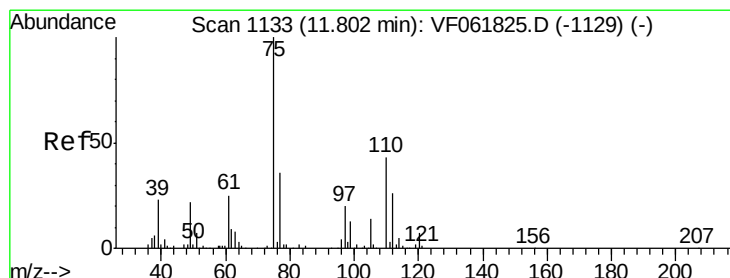
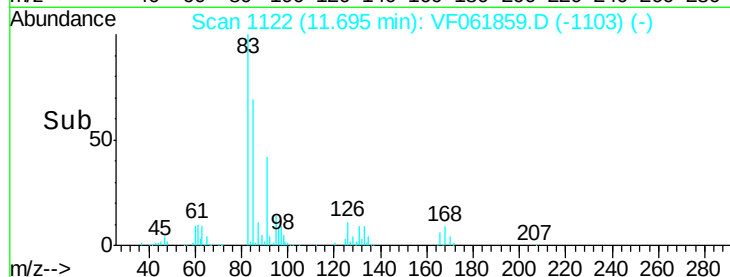
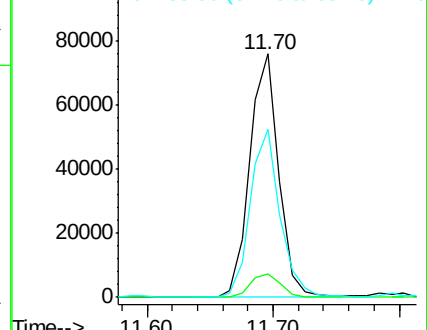
85 69.2 34.2 102.6



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: 51.694 ug/l

RT: 11.79 min Scan# 1132

Delta R.T. -0.01 min

Lab File: VF061859.D

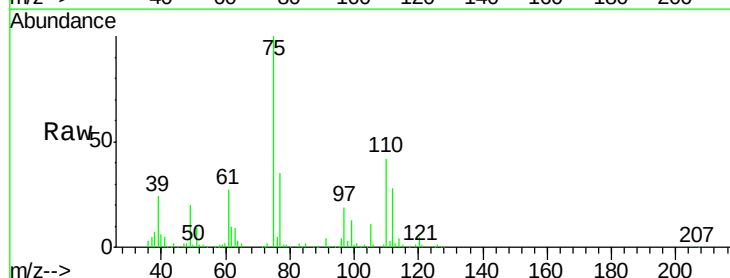
Acq: 5 Mar 2019 22:22

Tgt Ion: 75 Resp: 86337

Ion Ratio Lower Upper

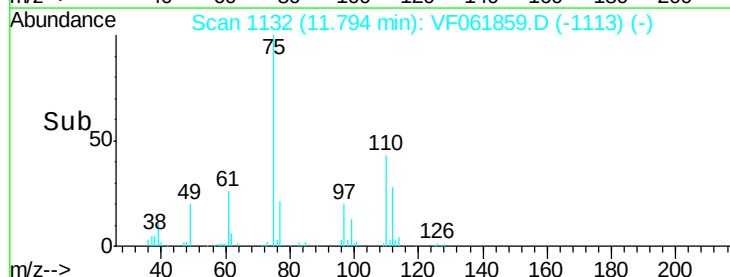
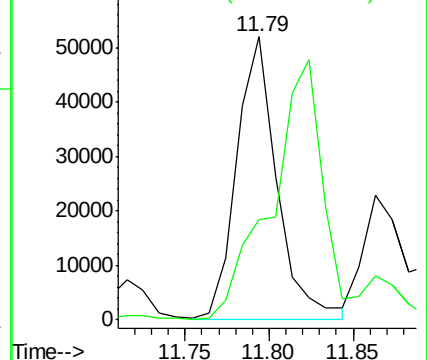
75 100

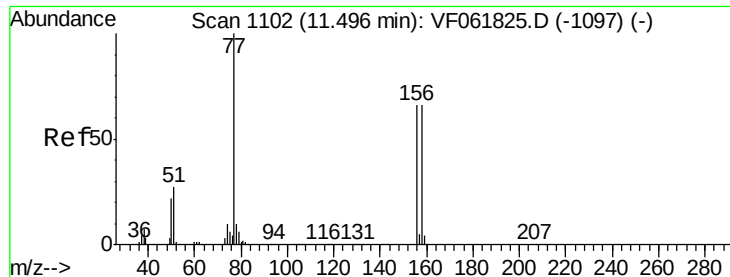
77 35.2 18.1 54.4



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 51.937 ug/l

RT: 11.49 min Scan# 1101

Delta R.T. -0.01 min

Lab File: VF061859.D

Acq: 5 Mar 2019 22:22

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

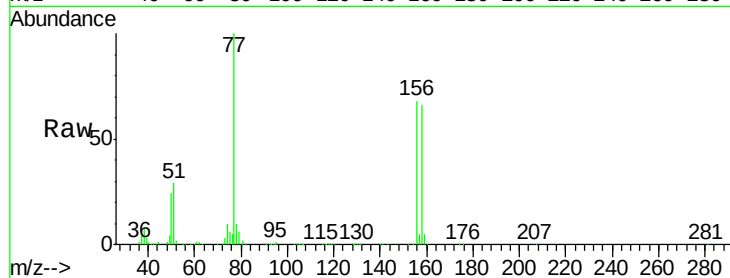
Tot Ion:156 Resp: 184036

Ion Ratio Lower Upper

156 100

77 146.3 75.7 227.1

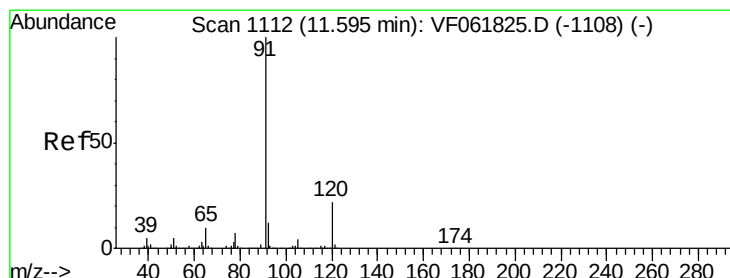
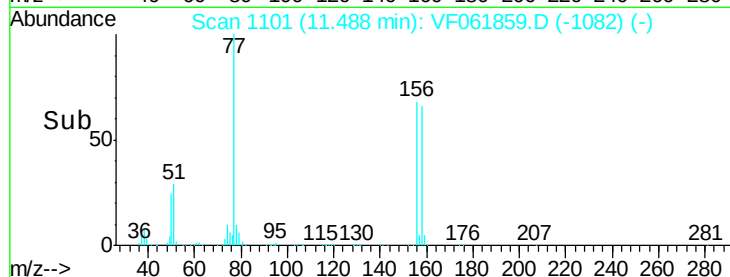
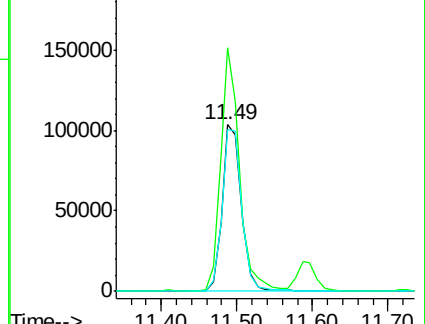
158 97.0 50.0 150.1



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: 50.543 ug/l

RT: 11.59 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VF061859.D

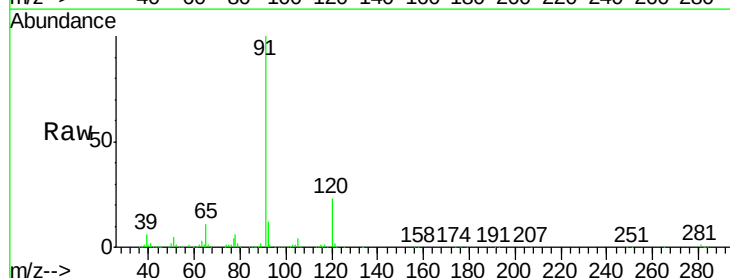
Acq: 5 Mar 2019 22:22

Tgt Ion: 91 Resp: 840389

Ion Ratio Lower Upper

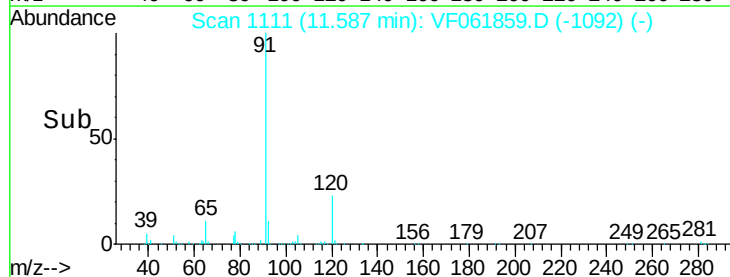
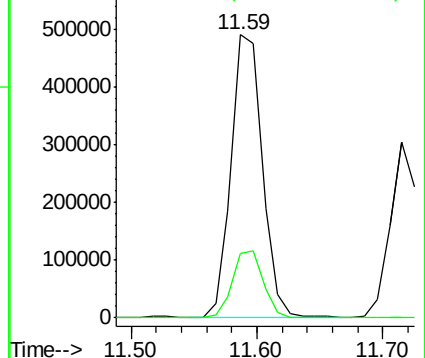
91 100

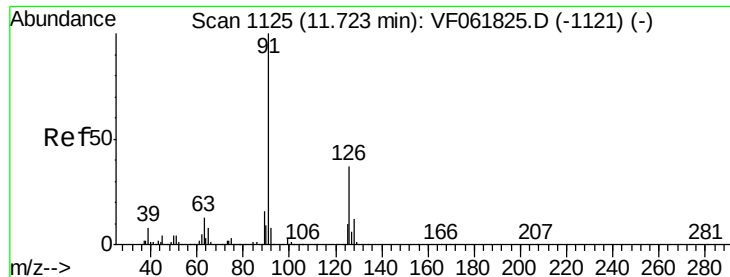
120 22.6 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.198 ug/l

RT: 11.72 min Scan# 1124

Delta R.T. -0.01 min

Lab File: VF061859.D

Acq: 5 Mar 2019 22:22

Instrument :

MSVOA_F

ClientSampleId :

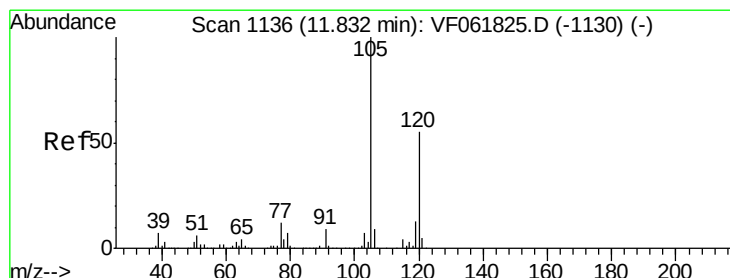
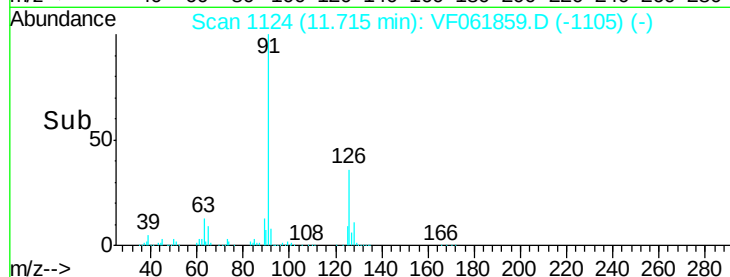
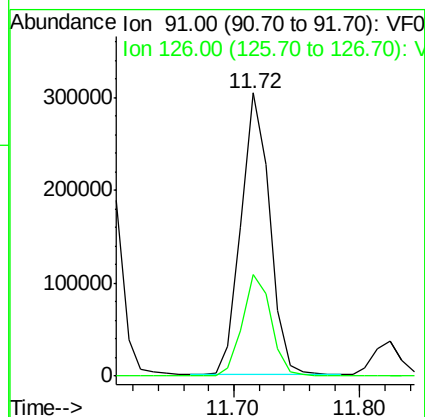
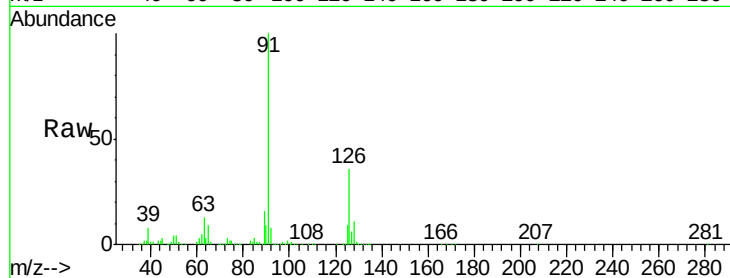
VSTDCCC050EC

Tot Ion: 91 Resp: 477184

Ion Ratio Lower Upper

91 100

126 35.7 18.1 54.4



#80

1,3,5-Trimethylbenzene

Concen: 50.030 ug/l

RT: 11.82 min Scan# 1135

Delta R.T. -0.01 min

Lab File: VF061859.D

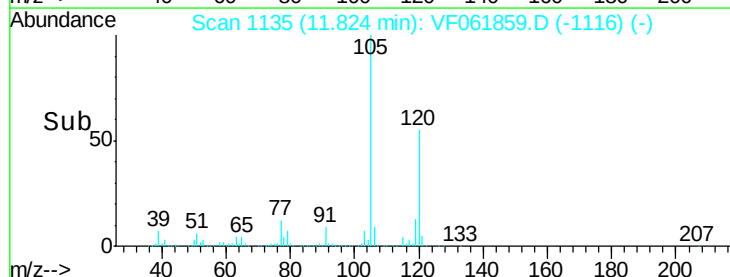
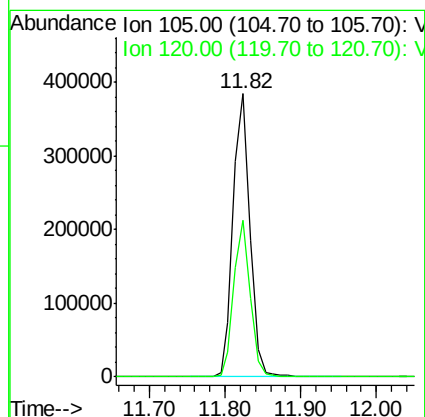
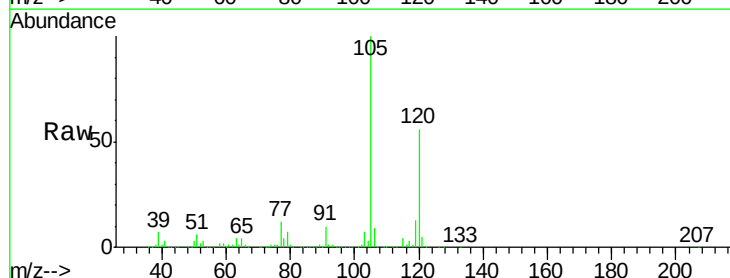
Acq: 5 Mar 2019 22:22

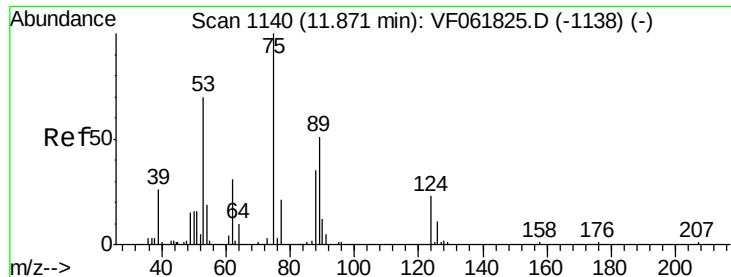
Tgt Ion: 105 Resp: 591411

Ion Ratio Lower Upper

105 100

120 55.6 27.4 82.2





#81

trans-1,4-Dichloro-2-butene

Concen: 61.432 ug/l

RT: 11.86 min Scan# 1139

Delta R.T. -0.01 min

Lab File: VF061859.D

Acq: 5 Mar 2019 22:22

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

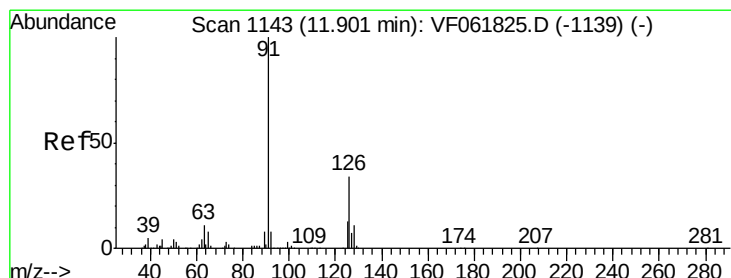
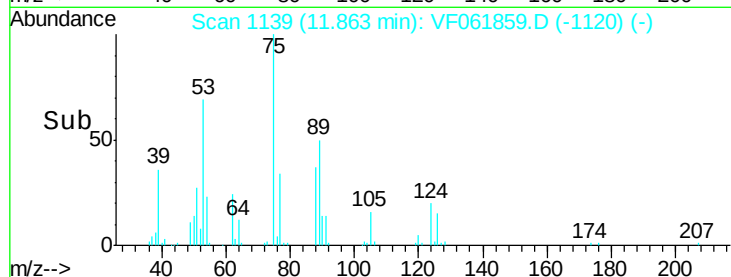
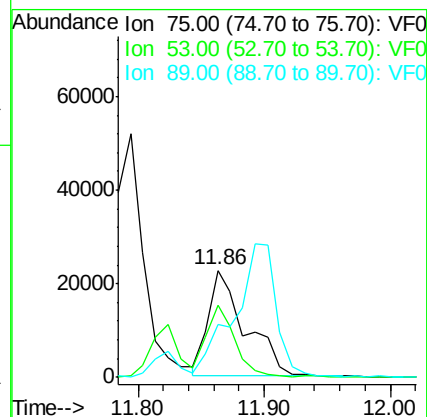
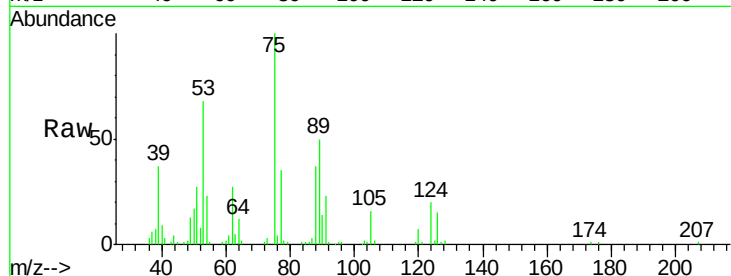
Tot Ion: 75 Resp: 46916

Ion Ratio Lower Upper

75 100

53 68.1 58.6 88.0

89 50.0 41.4 62.0



#82

4-Chlorotoluene

Concen: 49.931 ug/l

RT: 11.89 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VF061859.D

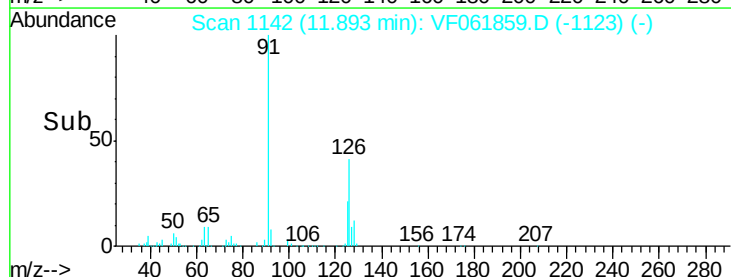
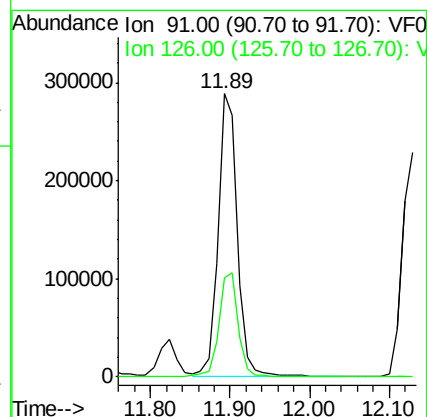
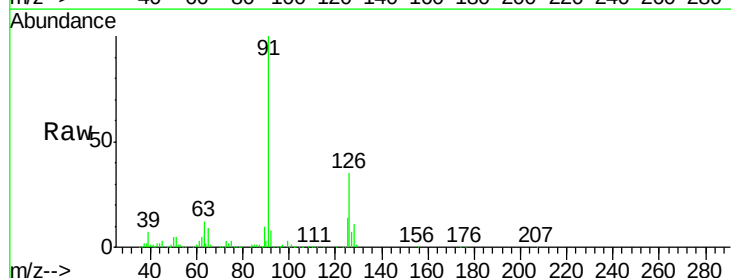
Acq: 5 Mar 2019 22:22

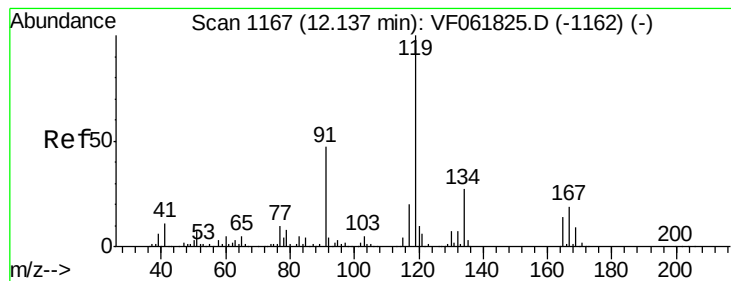
Tgt Ion: 91 Resp: 485486

Ion Ratio Lower Upper

91 100

126 34.9 17.0 50.9





#83

tert-Butylbenzene

Concen: 52.629 ug/l

RT: 12.13 min Scan# 1166

Delta R.T. -0.01 min

Lab File: VF061859.D

Acq: 5 Mar 2019 22:22

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

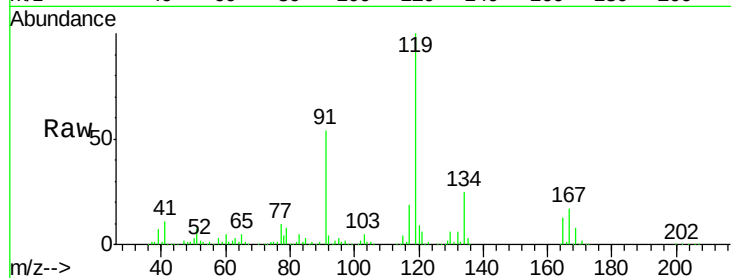
Tot Ion:119 Resp: 660614

Ion Ratio Lower Upper

119 100

91 54.5 23.5 70.5

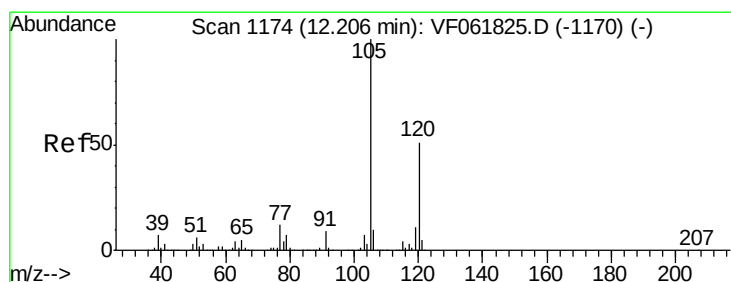
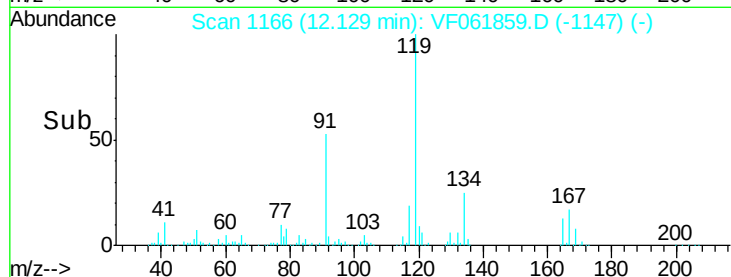
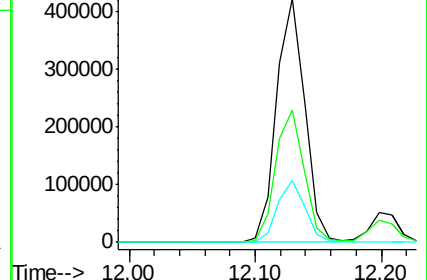
134 25.3 13.3 39.8



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: 51.952 ug/l

RT: 12.20 min Scan# 1173

Delta R.T. -0.01 min

Lab File: VF061859.D

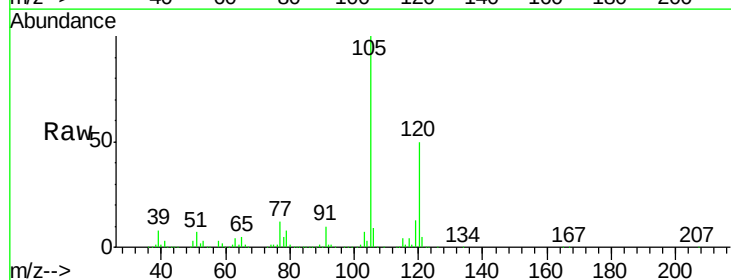
Acq: 5 Mar 2019 22:22

Tgt Ion:105 Resp: 602036

Ion Ratio Lower Upper

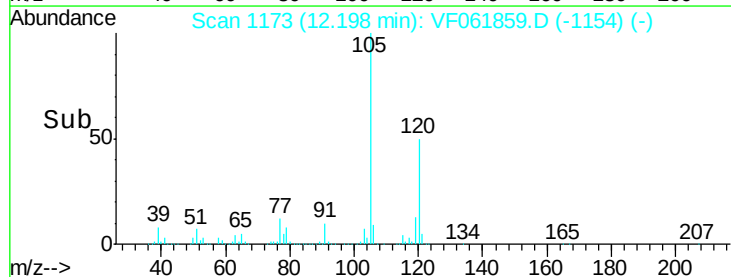
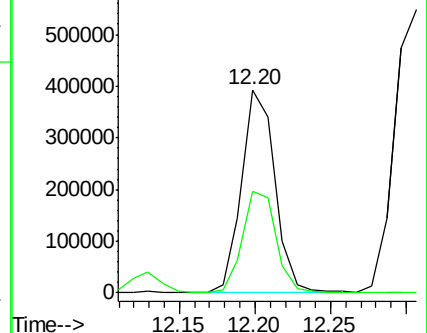
105 100

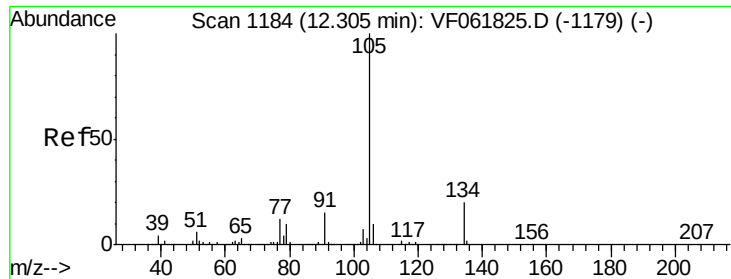
120 50.3 25.8 77.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 52.762 ug/l

RT: 12.31 min Scan# 1184

Delta R.T. 0.00 min

Lab File: VF061859.D

Acq: 5 Mar 2019 22:22

Instrument :

MSVOA_F

ClientSampleId :

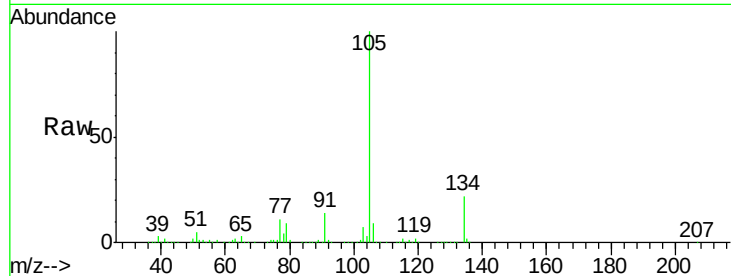
VSTDCCC050EC

Tot Ion:105 Resp: 861845

Ion Ratio Lower Upper

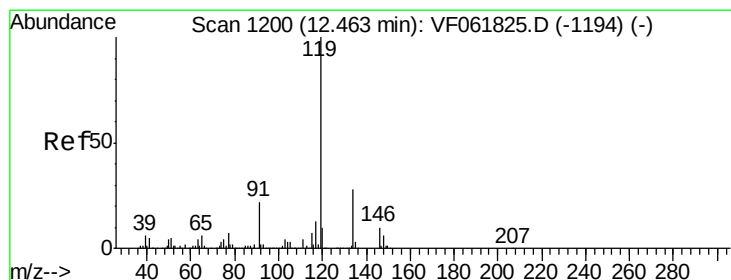
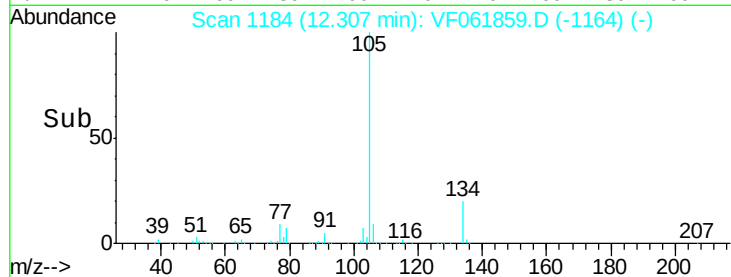
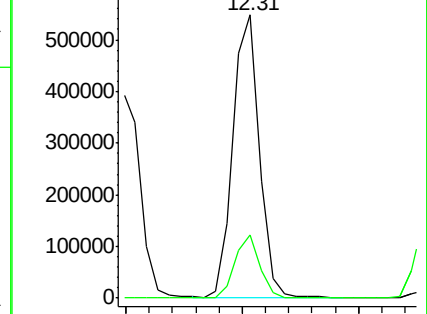
105 100

134 22.4 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 51.603 ug/l

RT: 12.45 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VF061859.D

Acq: 5 Mar 2019 22:22

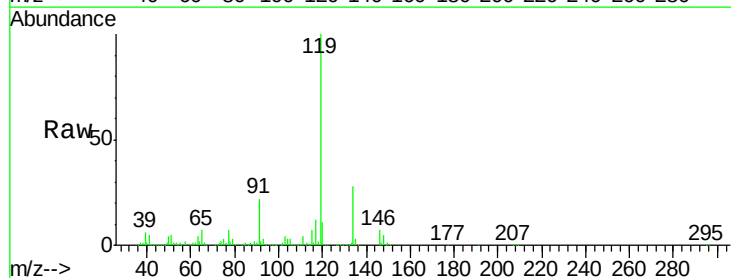
Tgt Ion:119 Resp: 716502

Ion Ratio Lower Upper

119 100

134 27.6 14.0 42.0

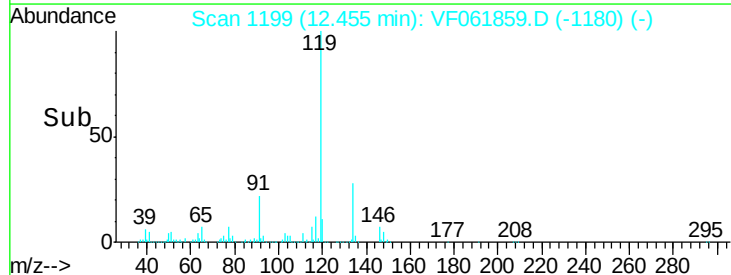
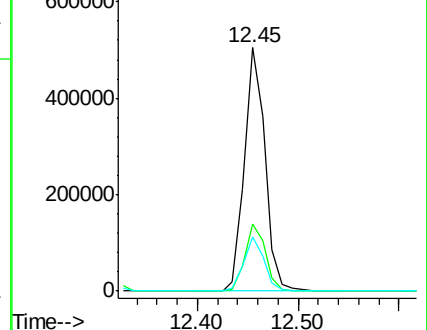
91 22.0 11.1 33.3

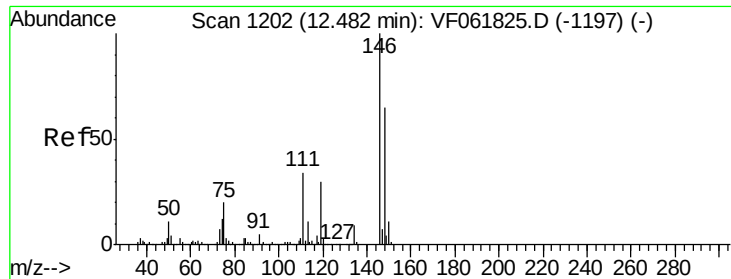


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

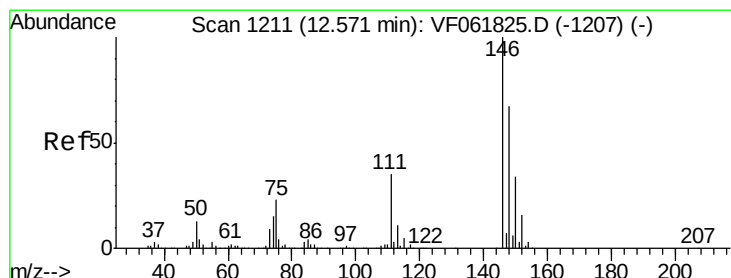
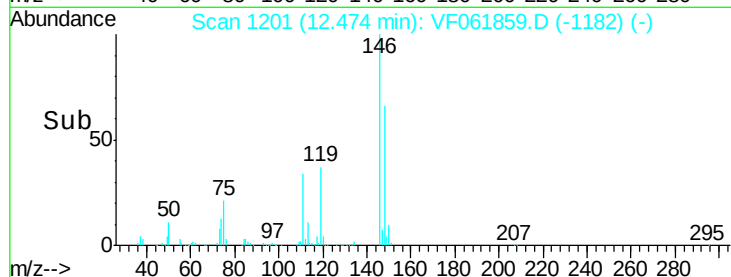
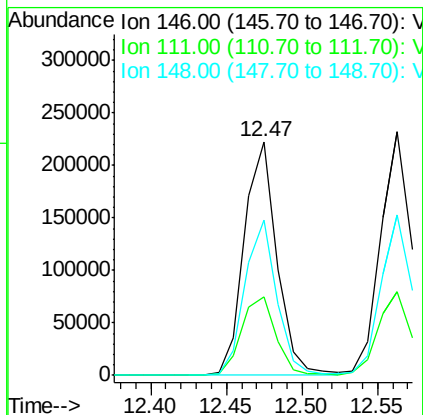
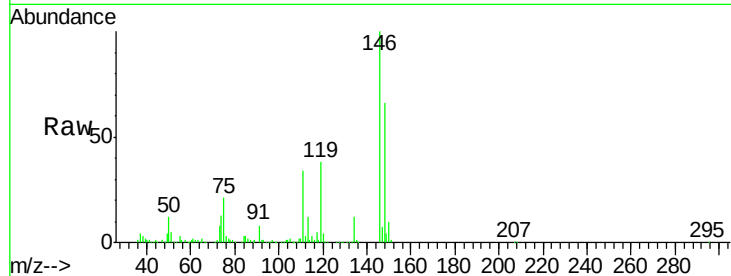




#87
 1,3-Dichlorobenzene
 Concen: 50.016 ug/l
 RT: 12.47 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: VF061859.D
 Acq: 5 Mar 2019 22:22

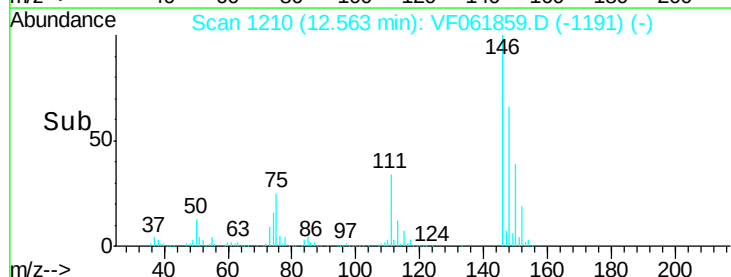
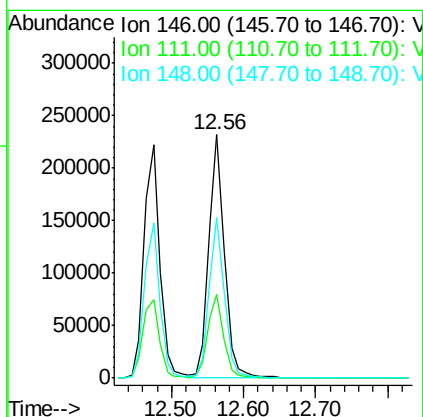
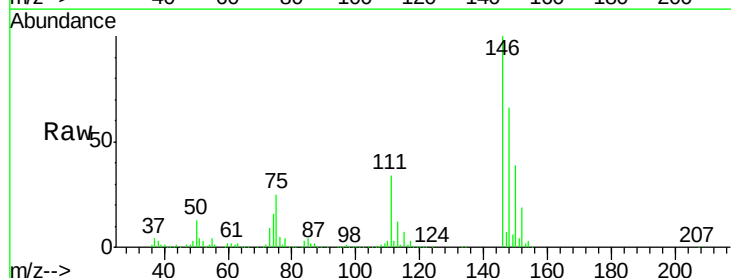
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

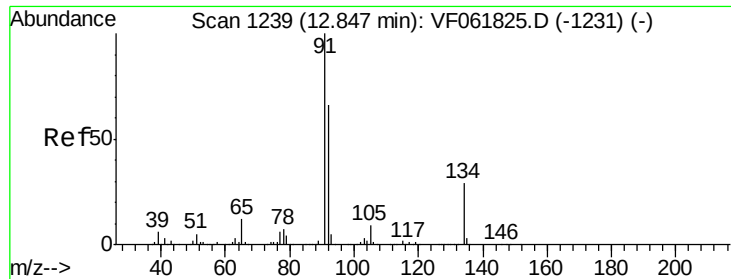
Tot Ion:146 Resp: 336525
 Ion Ratio Lower Upper
 146 100
 111 33.6 17.0 51.0
 148 66.2 32.5 97.5



#88
 1,4-Dichlorobenzene
 Concen: 53.571 ug/l
 RT: 12.56 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: VF061859.D
 Acq: 5 Mar 2019 22:22

Tgt Ion:146 Resp: 347699
 Ion Ratio Lower Upper
 146 100
 111 34.4 17.6 52.9
 148 66.0 33.5 100.4

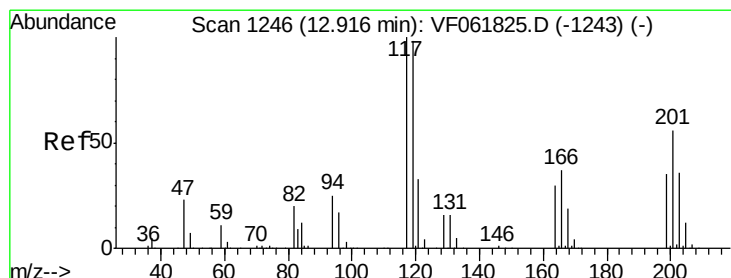
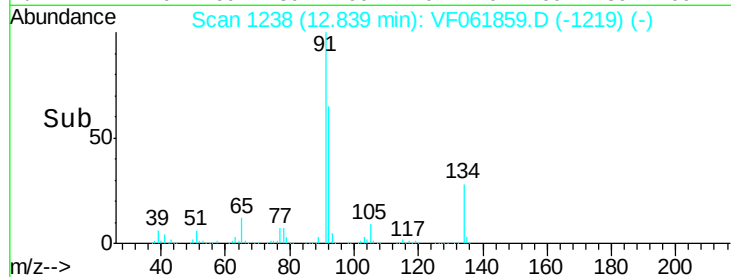
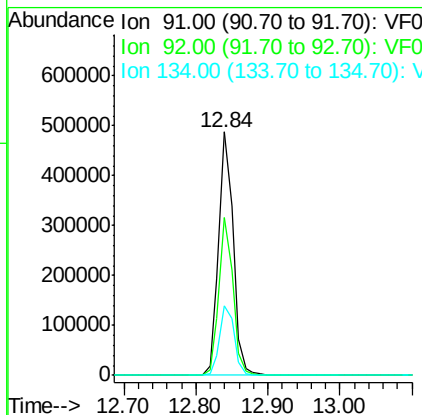
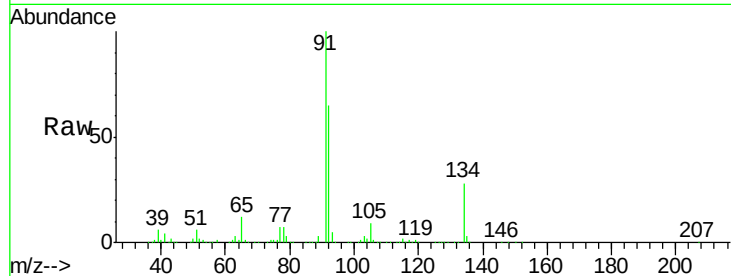




#89
n-Butylbenzene
Concen: 50.699 ug/l
RT: 12.84 min Scan# 1238
Delta R.T. -0.01 min
Lab File: VF061859.D
Acq: 5 Mar 2019 22:22

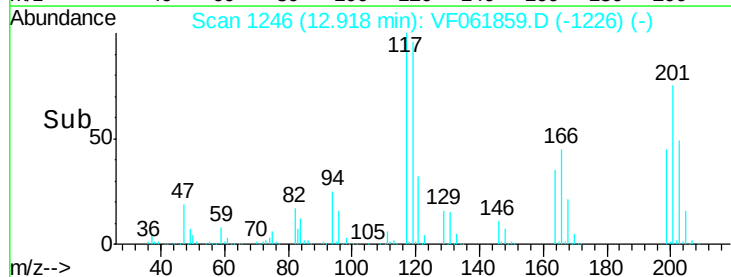
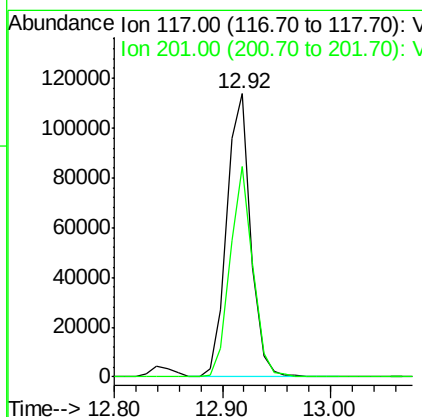
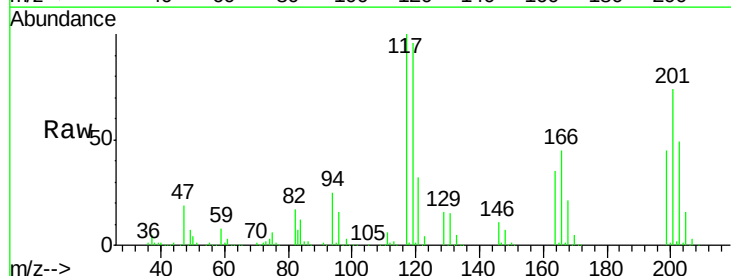
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

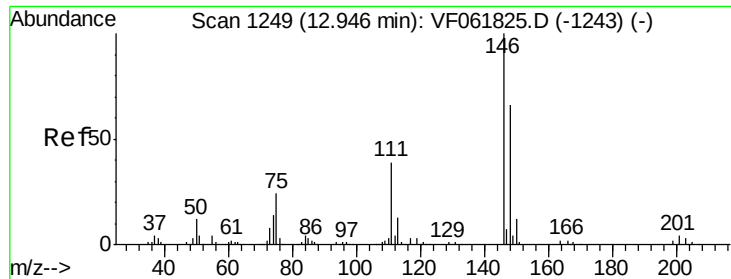
Tot Ion: 91 Resp: 672746
Ion Ratio Lower Upper
91 100
92 65.1 32.9 98.6
134 28.4 14.5 43.6



#90
Hexachloroethane
Concen: 52.450 ug/l
RT: 12.92 min Scan# 1246
Delta R.T. 0.00 min
Lab File: VF061859.D
Acq: 5 Mar 2019 22:22

Tgt Ion: 117 Resp: 175291
Ion Ratio Lower Upper
117 100
201 74.5 27.8 83.4

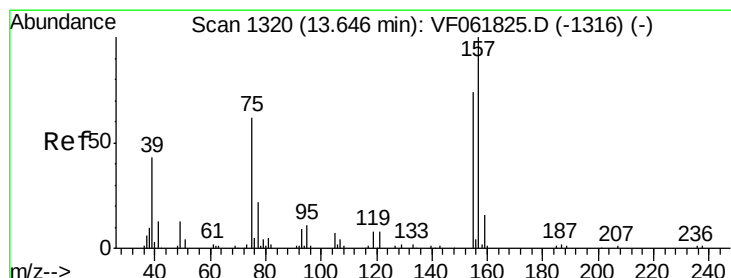
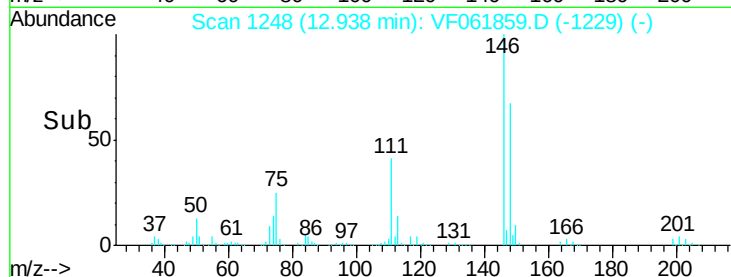
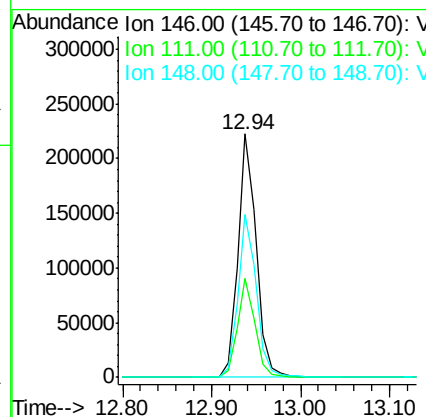
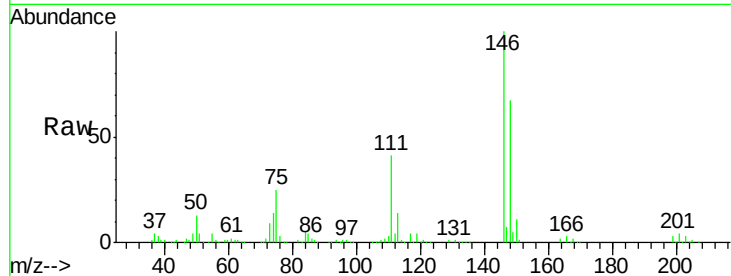




#91
 1,2-Dichlorobenzene
 Concen: 50.490 ug/l
 RT: 12.94 min Scan# 1248
 Delta R.T. -0.01 min
 Lab File: VF061859.D
 Acq: 5 Mar 2019 22:22

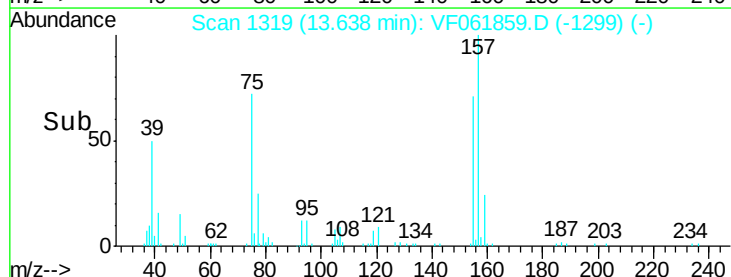
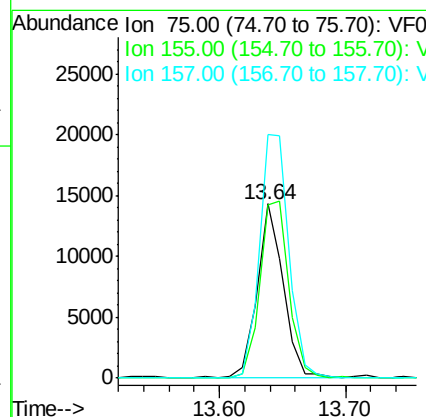
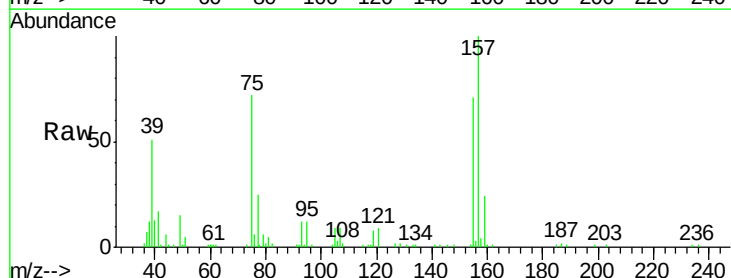
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

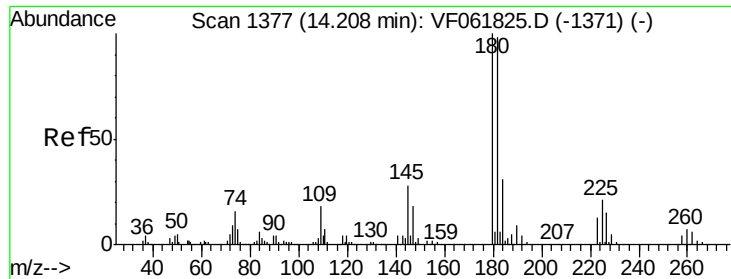
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	19.4	58.4
148	66.9	33.0	98.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.812 ug/l
 RT: 13.64 min Scan# 1319
 Delta R.T. -0.01 min
 Lab File: VF061859.D
 Acq: 5 Mar 2019 22:22

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.3	59.8	179.4
157	139.7	81.2	243.4

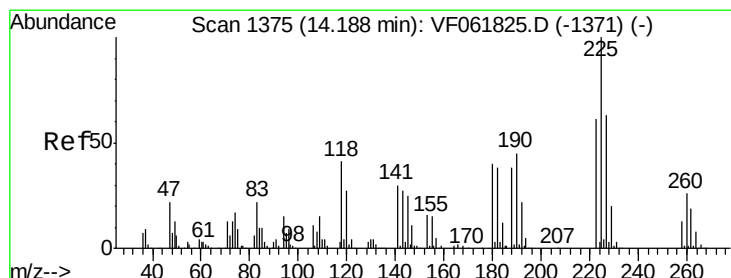
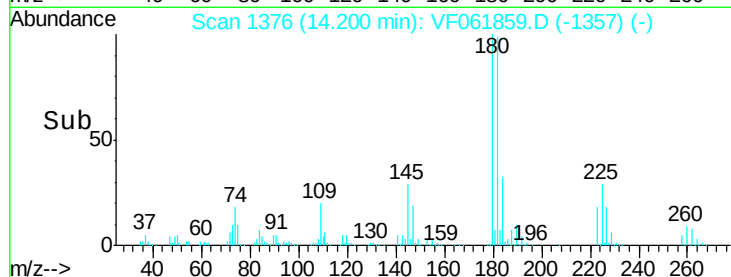
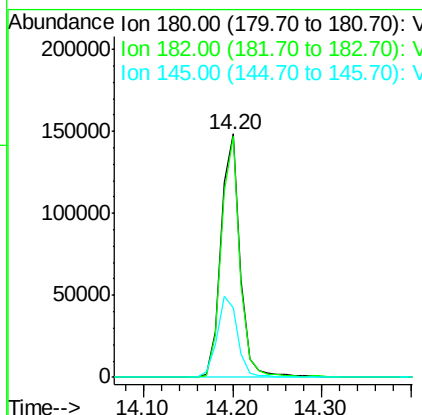
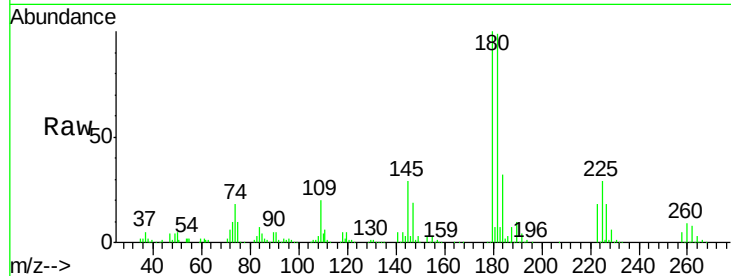




#93
 1,2,4-Trichlorobenzene
 Concen: 50.534 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. -0.01 min
 Lab File: VF061859.D
 Acq: 5 Mar 2019 22:22

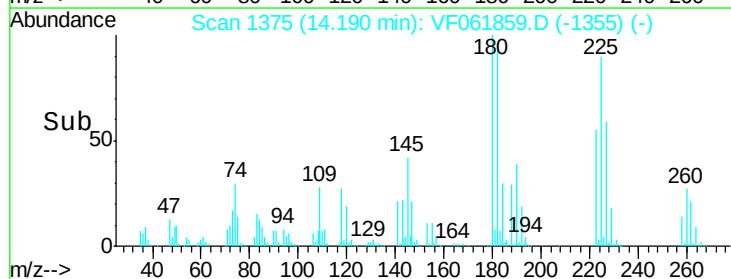
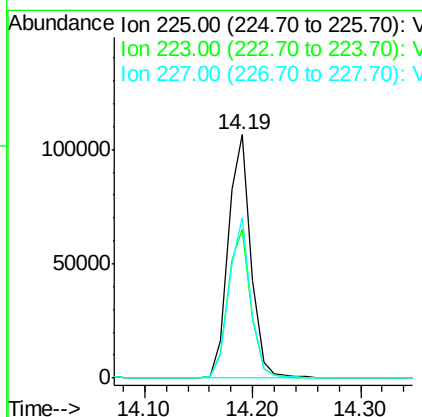
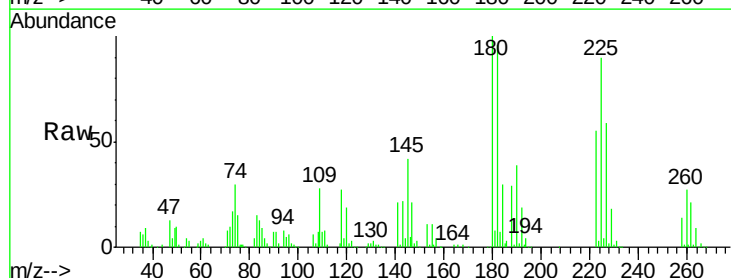
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

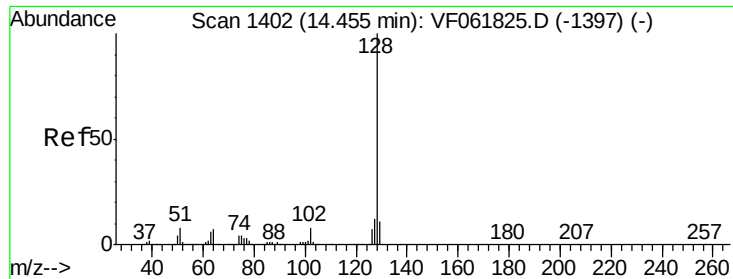
Tot Ion:180 Resp: 225841
 Ion Ratio Lower Upper
 180 100
 182 99.0 49.0 147.2
 145 28.7 14.1 42.4



#94
 Hexachlorobutadiene
 Concen: 49.967 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. 0.00 min
 Lab File: VF061859.D
 Acq: 5 Mar 2019 22:22

Tgt Ion:225 Resp: 154591
 Ion Ratio Lower Upper
 225 100
 223 61.0 30.3 90.9
 227 65.9 31.3 93.8

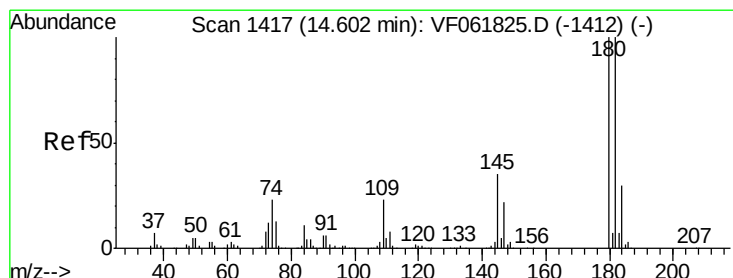
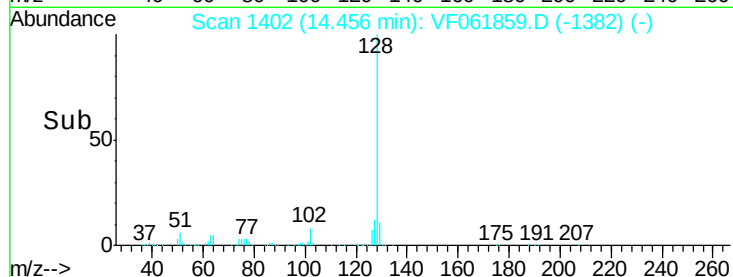
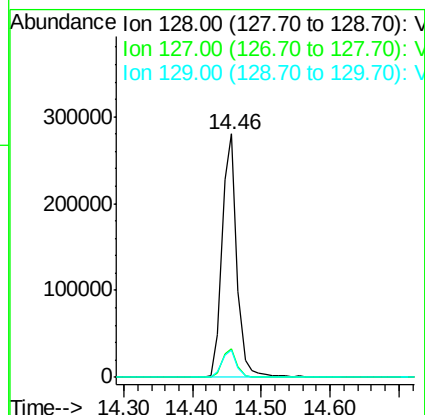
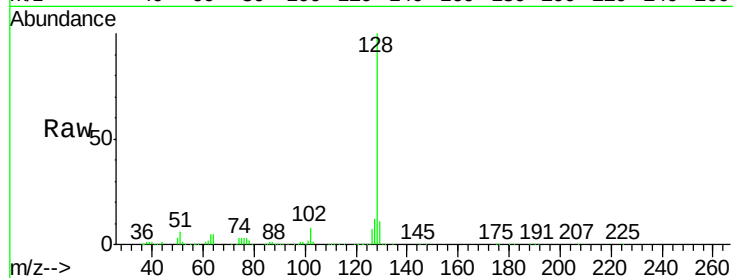




#95
Naphthalene
Concen: 52.463 ug/l
RT: 14.46 min Scan# 1402
Delta R.T. 0.00 min
Lab File: VF061859.D
Acq: 5 Mar 2019 22:22

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 417599
Ion Ratio Lower Upper
128 100
127 11.5 9.3 13.9
129 11.1 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 50.737 ug/l
RT: 14.60 min Scan# 1417
Delta R.T. 0.00 min
Lab File: VF061859.D
Acq: 5 Mar 2019 22:22

Tgt Ion:180 Resp: 209362
Ion Ratio Lower Upper
180 100
182 93.4 50.2 150.7
145 29.0 17.5 52.5

