

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF030419\
 Data File : VF061841.D
 Acq On : 5 Mar 2019 2:33
 Operator : VA/AP
 Sample : VSTDCCC050EC
 Misc : 5.00µl/5mL/MSVOA-F/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Mar 05 05:06:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 05 04:04:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	288045	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.59	114	430663	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.77	117	367174	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.55	152	201068	50.00	ug/l	-0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.84	65	115166	54.52	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	109.04%	
35) Dibromofluoromethane	4.11	113	158289	49.49	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	98.98%	
50) Toluene-d8	7.55	98	458032	49.82	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	99.64%	
62) 4-Bromofluorobenzene	11.41	95	181114	48.69	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	97.38%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.96	85	163767	49.508	ug/l	94
3) Chloromethane	1.10	50	159891	46.069	ug/l	96
4) Vinyl Chloride	1.14	62	155498	48.195	ug/l	93
5) Bromomethane	1.32	94	117295	52.822	ug/l	99
6) Chloroethane	1.38	64	80672	50.736	ug/l	96
7) Trichlorofluoromethane	1.49	101	146619	37.676	ug/l	95
8) Diethyl Ether	1.62	74	43809	44.671	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.83	101	134662	47.967	ug/l	90
10) Methyl Iodide	1.90	142	207754	38.741	ug/l	94
11) Tert butyl alcohol	2.57	59	27783	227.273	ug/l #	92
12) 1,1-Dichloroethene	1.79	96	123282	49.947	ug/l	93
13) Acrolein	2.00	56	34686	225.761	ug/l	90
14) Allyl chloride	2.09	41	142133	46.927	ug/l	97
15) Acrylonitrile	2.94	53	90161	207.932	ug/l #	91
16) Acetone	2.23	43	80111	176.767	ug/l	94
17) Carbon Disulfide	1.83	76	378556	48.792	ug/l	99
18) Methyl Acetate	2.42	43	44819	43.899	ug/l	94
19) Methyl tert-butyl Ether	2.42	73	210707	49.950	ug/l	100
20) Methylene Chloride	2.18	84	46486	16.980	ug/l	97
21) trans-1,2-Dichloroethene	2.30	96	129669	48.326	ug/l	97
22) Diisopropyl ether	2.80	45	376906	51.841	ug/l	97
23) Vinyl Acetate	3.18	43	831186	234.064	ug/l	97
24) 1,1-Dichloroethane	2.87	63	211447	48.058	ug/l	99
25) 2-Butanone	4.33	43	197469	199.478	ug/l	99
26) 2,2-Dichloropropane	3.60	77	88333	47.397	ug/l	93
27) cis-1,2-Dichloroethene	3.47	96	169933	48.251	ug/l	98
28) Bromochloromethane	3.71	49	91958	43.559	ug/l	98
29) Tetrahydrofuran	4.07	42	91262	202.835	ug/l	98
30) Chloroform	3.85	83	242505	48.466	ug/l	100
31) Cyclohexane	3.68	56	130093	27.313	ug/l	96
32) 1,1,1-Trichloroethane	4.08	97	158969	48.500	ug/l	99
36) 1,1-Dichloropropene	4.27	75	202251	47.407	ug/l	95
37) Ethyl Acetate	4.11	43	83427	42.102	ug/l	90
38) Carbon Tetrachloride	3.98	117	154807	52.550	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.44	83	243297	48.220	ug/l	100
40) Benzene	4.62	78	549984	49.286	ug/l	97
41) Methacrylonitrile	4.74	41	45647	45.045	ug/l	96
42) 1,2-Dichloroethane	4.94	62	139368	52.211	ug/l	93
43) Isopropyl Acetate	6.95	43	101317	43.195	ug/l #	93
44) Trichloroethene	5.50	130	167142	46.318	ug/l	96
45) 1,2-Dichloropropane	6.23	63	124778	46.260	ug/l	96
46) Dibromomethane	6.08	93	79471	47.852	ug/l	93
47) Bromodichloromethane	6.38	83	184061	50.610	ug/l	94
48) Methyl methacrylate	6.71	41	64468	45.672	ug/l	98
49) 1,4-Dioxane	6.69	88	11803	889.511	ug/l #	86
51) 4-Methyl-2-Pentanone	8.25	43	354165	211.319	ug/l	97
52) Toluene	7.62	92	306241	45.250	ug/l	99
53) t-1,3-Dichloropropene	8.27	75	146307	48.336	ug/l	99
54) cis-1,3-Dichloropropene	7.29	75	194609	48.269	ug/l	97
55) 1,1,2-Trichloroethane	8.48	97	94087	47.317	ug/l	94
56) Ethyl methacrylate	8.61	69	103658	46.823	ug/l	93
57) 1,3-Dichloropropane	8.84	76	154022	46.407	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.28	63	74575	195.239	ug/l	96
59) 2-Hexanone	9.48	43	237268	201.962	ug/l	98
60) Dibromochloromethane	8.71	129	132044	47.710	ug/l	98
61) 1,2-Dibromoethane	8.98	107	98196	45.530	ug/l	97
64) Tetrachloroethene	8.14	164	157408	52.448	ug/l	97
65) Chlorobenzene	9.79	112	360948	48.444	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.93	131	145151	49.716	ug/l	98
67) Ethyl Benzene	9.89	91	616757	49.776	ug/l	98
68) m/p-Xylenes	10.12	106	452266	95.374	ug/l	98
69) o-Xylene	10.71	106	255121	50.419	ug/l	94
70) Styrene	10.78	104	355718	49.693	ug/l	99
71) Bromoform	10.76	173	76653	48.349	ug/l	97
73) Isopropylbenzene	11.12	105	718018	50.156	ug/l	98
74) N-amyl acetate	11.37	43	160760	46.785	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.69	83	116283	45.340	ug/l	99
76) 1,2,3-Trichloropropane	11.79	75	81234	46.587	ug/l	98
77) Bromobenzene	11.48	156	165017	46.660	ug/l	87
78) n-propylbenzene	11.58	91	774336	47.136	ug/l	96
79) 2-Chlorotoluene	11.71	91	450738	48.992	ug/l	95
80) 1,3,5-Trimethylbenzene	11.82	105	557652	48.739	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.86	75	46060	55.099	ug/l	98
82) 4-Chlorotoluene	11.89	91	450647	47.191	ug/l	93
83) tert-Butylbenzene	12.13	119	611058	48.218	ug/l	98
84) 1,2,4-Trimethylbenzene	12.19	105	554641	48.794	ug/l	96
85) sec-Butylbenzene	12.30	105	768120	46.871	ug/l	99
86) p-Isopropyltoluene	12.45	119	649375	47.215	ug/l	99
87) 1,3-Dichlorobenzene	12.47	146	313472	45.466	ug/l	96
88) 1,4-Dichlorobenzene	12.56	146	320969	48.406	ug/l	98
89) n-Butylbenzene	12.84	91	607302	46.762	ug/l	99
90) Hexachloroethane	12.91	117	162580	50.827	ug/l	97
91) 1,2-Dichlorobenzene	12.93	146	300086	45.759	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.63	75	16818	41.360	ug/l	83

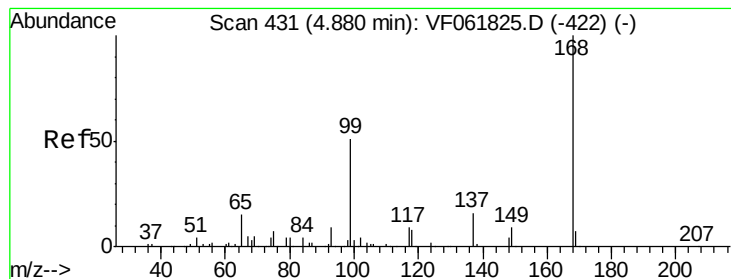
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	207221	44.084	ug/l	99
94) Hexachlorobutadiene	14.19	225	139438	48.031	ug/l	99
95) Naphthalene	14.45	128	384147	46.709	ug/l	100
96) 1,2,3-Trichlorobenzene	14.60	180	194170	45.005	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.03 min

Lab File: VF061841.D

Acq: 5 Mar 2019 2:33

Instrument :

MSVOA_F

ClientSampleId :

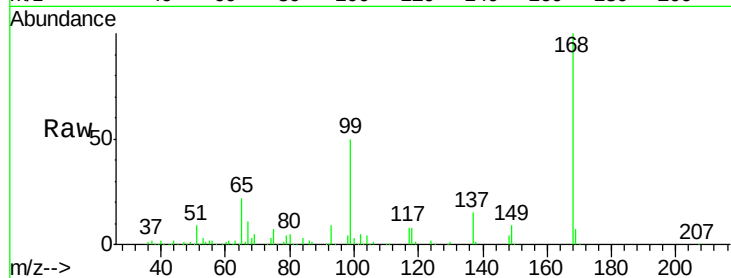
VSTDCCC050EC

Tot Ion:168 Resp: 288045

Ion Ratio Lower Upper

168 100

99 50.4 34.9 52.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.86

100000

80000

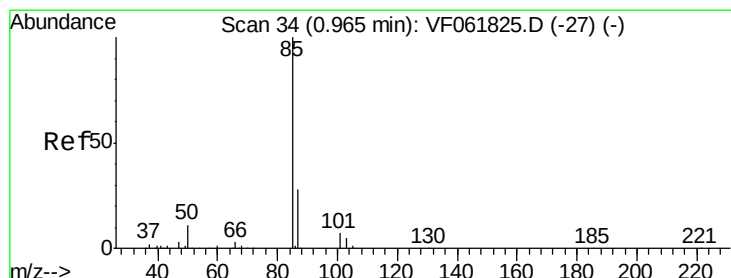
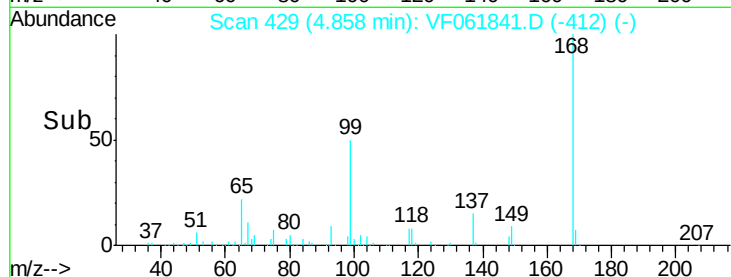
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 49.508 ug/l

RT: 0.96 min Scan# 34

Delta R.T. -0.00 min

Lab File: VF061841.D

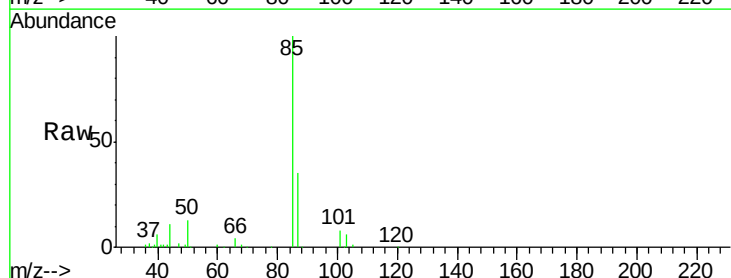
Acq: 5 Mar 2019 2:33

Tgt Ion: 85 Resp: 163767

Ion Ratio Lower Upper

85 100

87 35.4 16.1 48.2



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

50000

40000

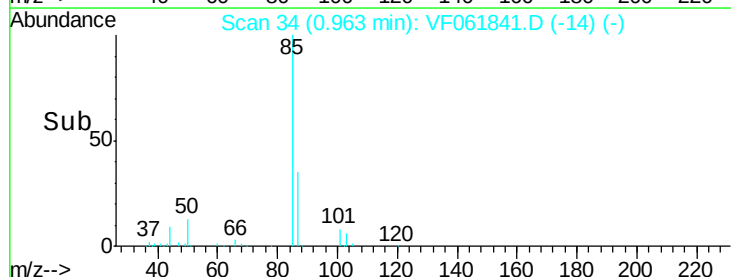
30000

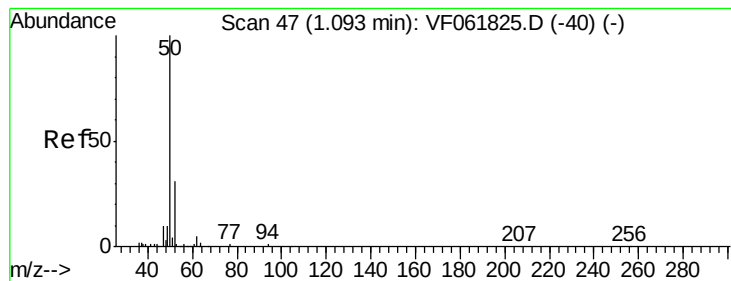
20000

10000

0

Time-->





#3

Chloromethane

Concen: 46.069 ug/l

RT: 1.10 min Scan# 48

Delta R.T. -0.00 min

Lab File: VF061841.D

Acq: 5 Mar 2019 2:33

Instrument :

MSVOA_F

ClientSampleId :

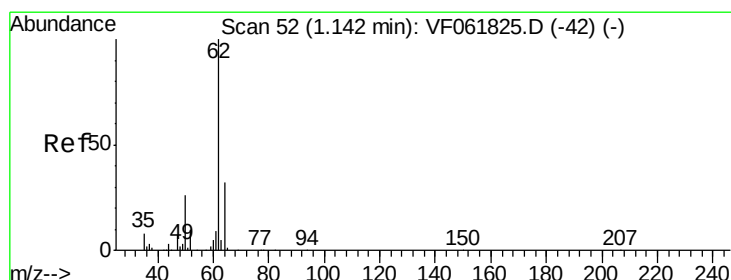
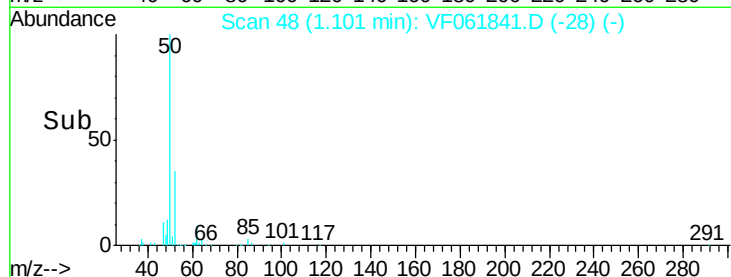
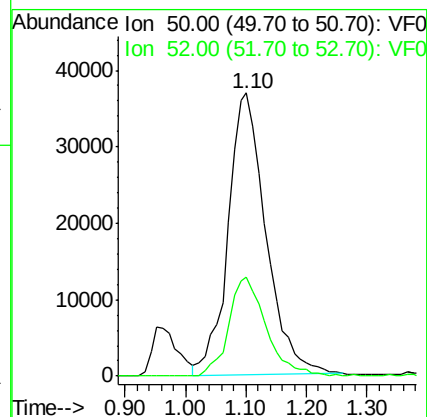
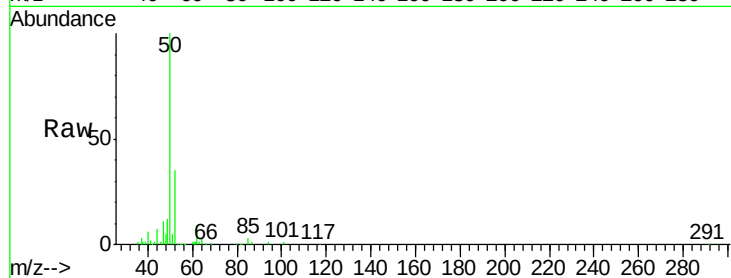
VSTDCCC050EC

Tot Ion: 50 Resp: 159891

Ion Ratio Lower Upper

50 100

52 35.2 26.2 39.4



#4

Vinyl Chloride

Concen: 48.195 ug/l

RT: 1.14 min Scan# 52

Delta R.T. -0.00 min

Lab File: VF061841.D

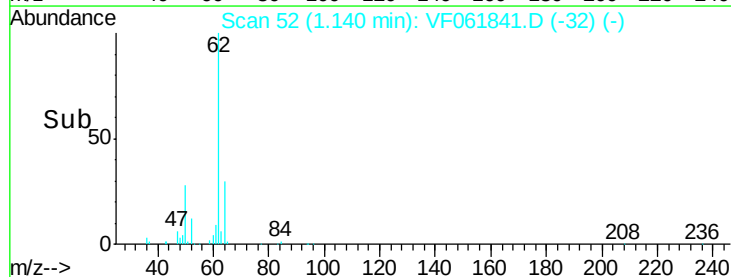
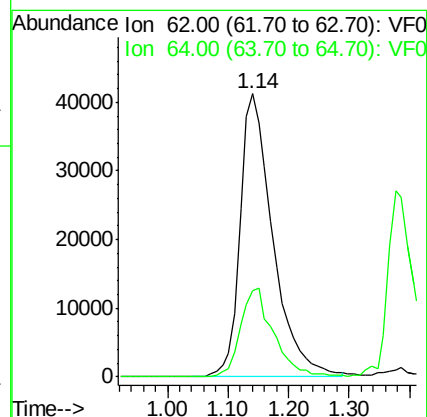
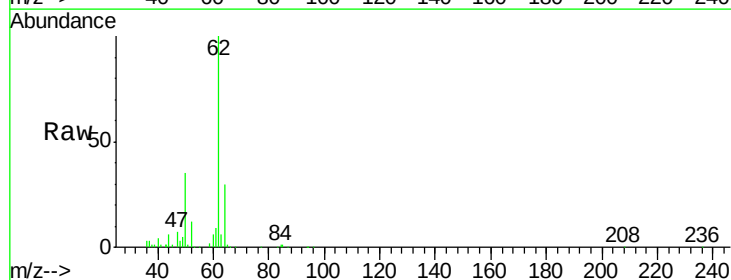
Acq: 5 Mar 2019 2:33

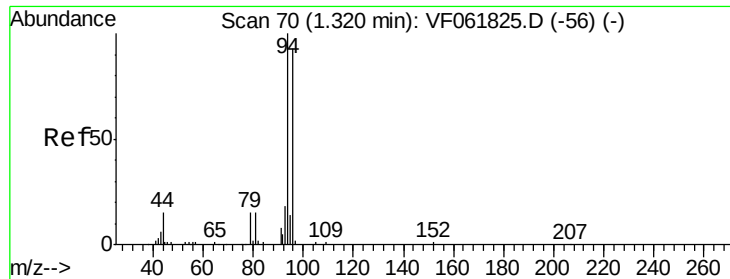
Tgt Ion: 62 Resp: 155498

Ion Ratio Lower Upper

62 100

64 30.5 27.5 41.3





#5

Bromomethane

Concen: 52.822 ug/l

RT: 1.32 min Scan# 70

Delta R.T. -0.00 min

Lab File: VF061841.D

Acq: 5 Mar 2019 2:33

Instrument :

MSVOA_F

ClientSampleId :

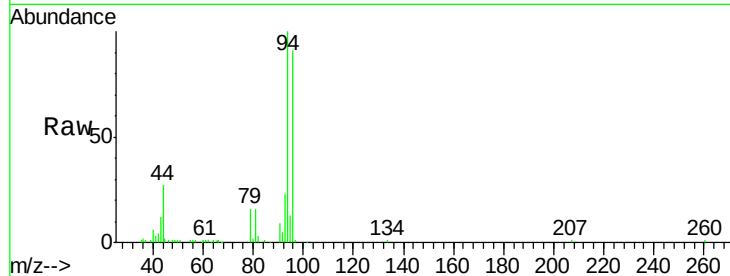
VSTDCCC050EC

Tot Ion: 94 Resp: 117295

Ion Ratio Lower Upper

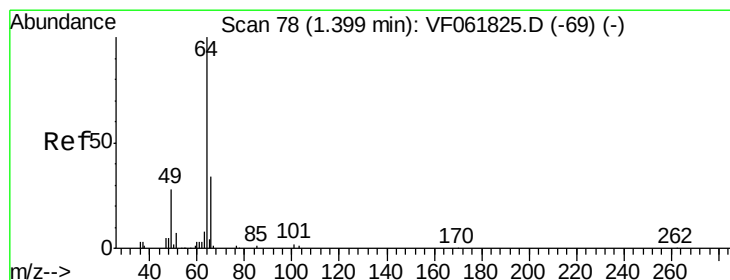
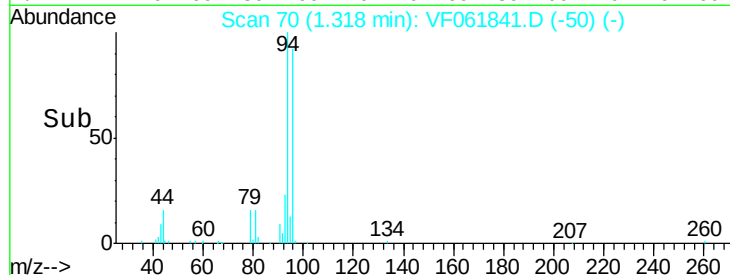
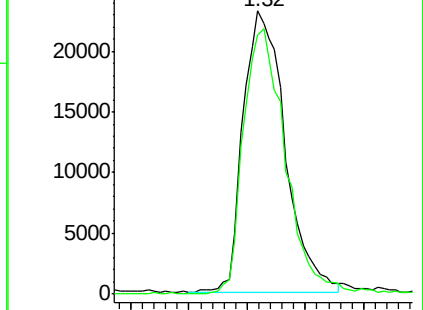
94 100

96 92.5 74.6 112.0



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 50.736 ug/l

RT: 1.38 min Scan# 76

Delta R.T. -0.02 min

Lab File: VF061841.D

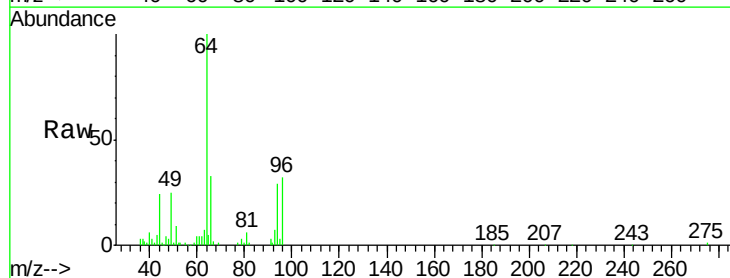
Acq: 5 Mar 2019 2:33

Tgt Ion: 64 Resp: 80672

Ion Ratio Lower Upper

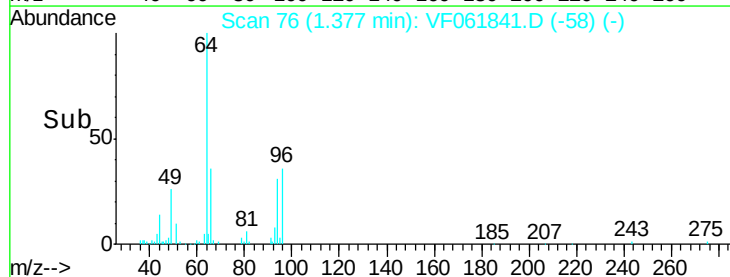
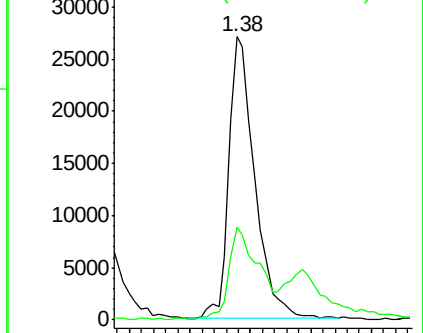
64 100

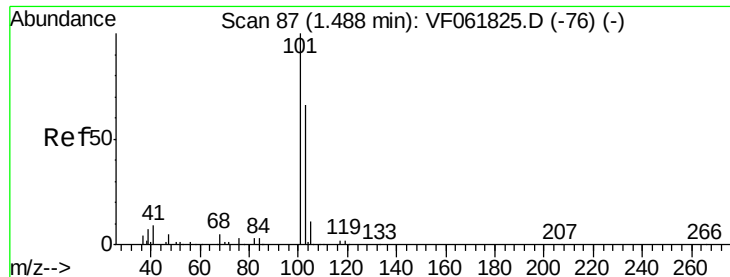
66 32.6 27.9 41.9



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

Trichlorofluoromethane

Concen: 37.676 ug/l

RT: 1.49 min Scan# 87

Delta R.T. -0.00 min

Lab File: VF061841.D

Acq: 5 Mar 2019 2:33

Instrument :

MSVOA_F

ClientSampleId :

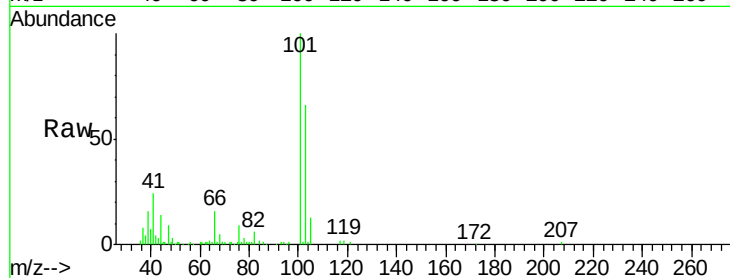
VSTDCCC050EC

Tot Ion:101 Resp: 146619

Ion Ratio Lower Upper

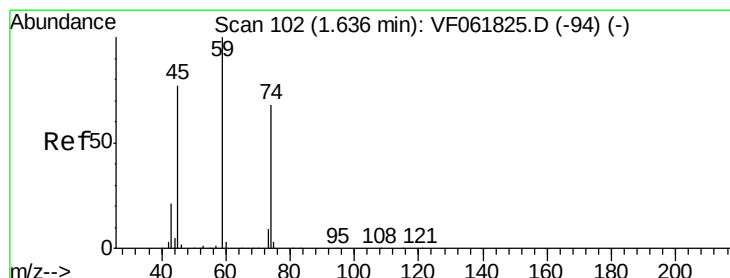
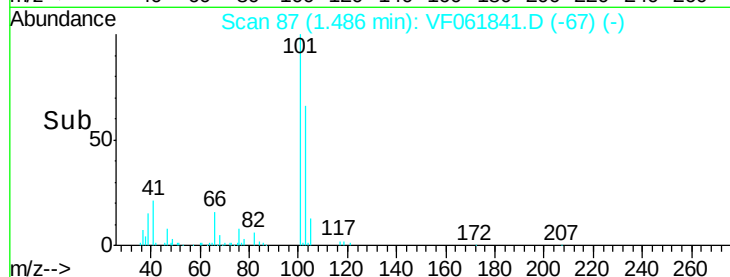
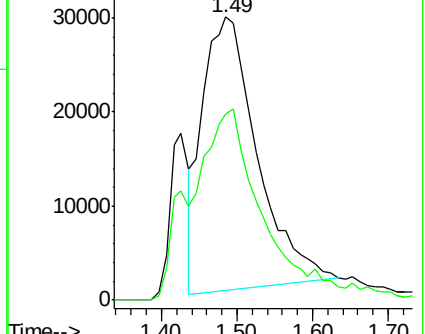
101 100

103 65.8 49.3 73.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 44.671 ug/l

RT: 1.62 min Scan# 101

Delta R.T. -0.01 min

Lab File: VF061841.D

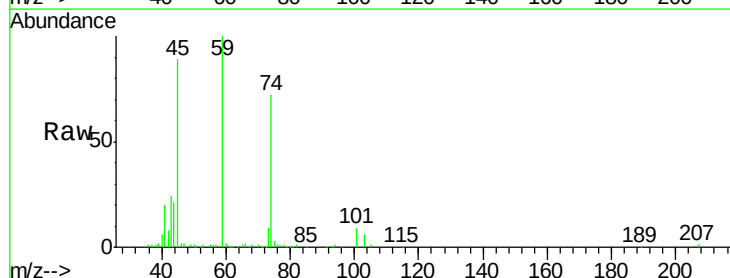
Acq: 5 Mar 2019 2:33

Tgt Ion: 74 Resp: 43809

Ion Ratio Lower Upper

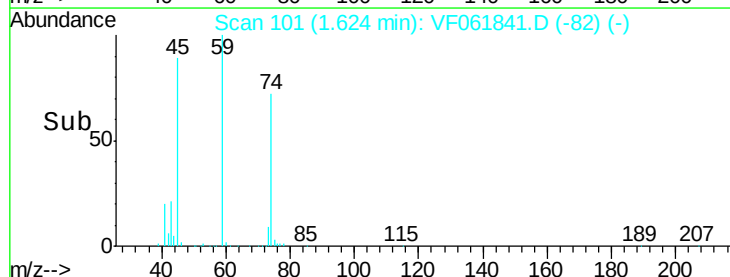
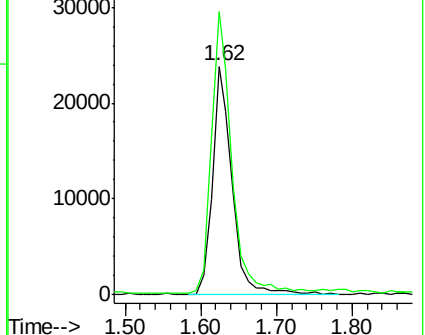
74 100

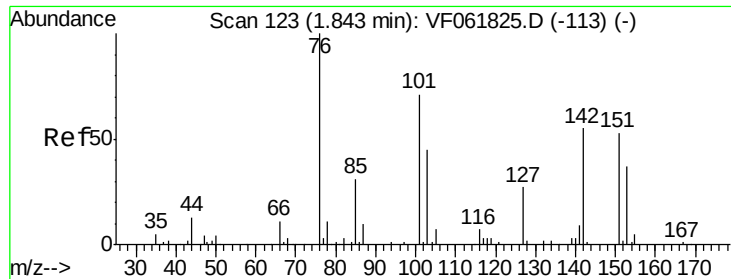
45 123.8 60.8 182.3



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: 47.967 ug/l

RT: 1.83 min Scan# 122

Delta R.T. -0.01 min

Lab File: VF061841.D

Acq: 5 Mar 2019 2:33

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

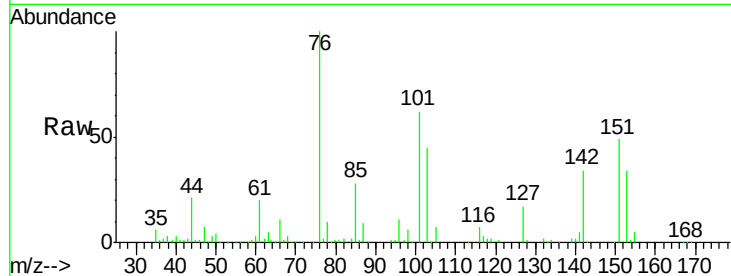
Tot Ion:101 Resp: 134662

Ion Ratio Lower Upper

101 100

85 44.6 29.8 44.6

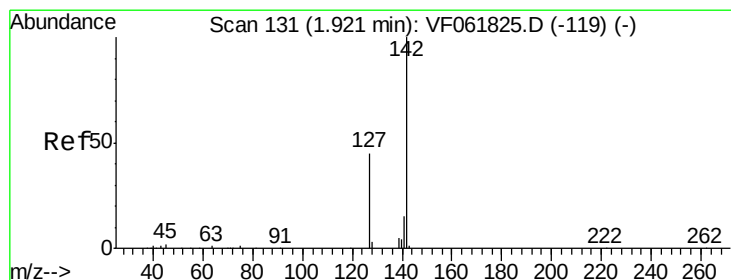
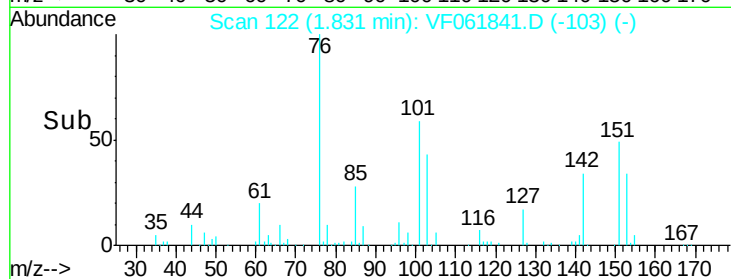
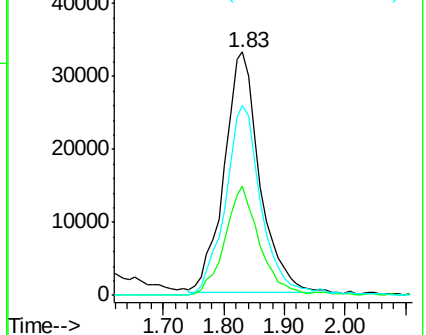
151 78.2 56.3 84.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 38.741 ug/l

RT: 1.90 min Scan# 129

Delta R.T. -0.01 min

Lab File: VF061841.D

Acq: 5 Mar 2019 2:33

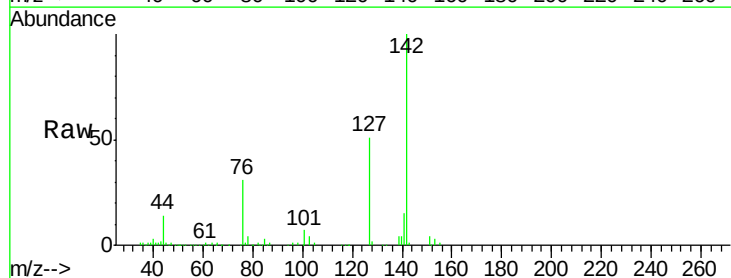
Tgt Ion:142 Resp: 207754

Ion Ratio Lower Upper

142 100

127 50.8 36.6 55.0

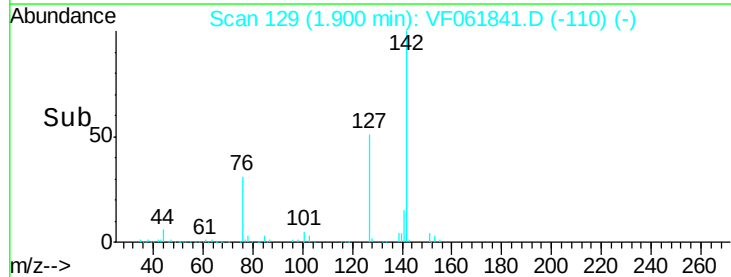
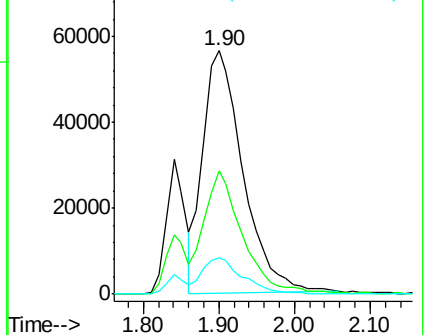
141 14.7 11.0 16.6

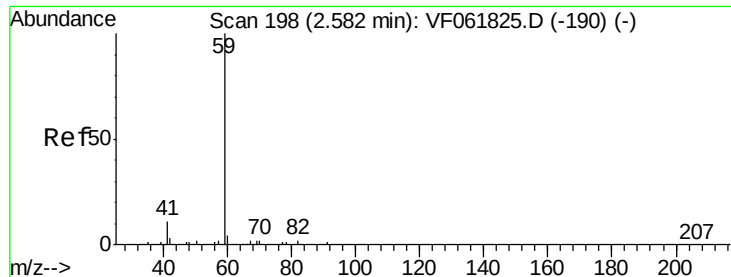


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

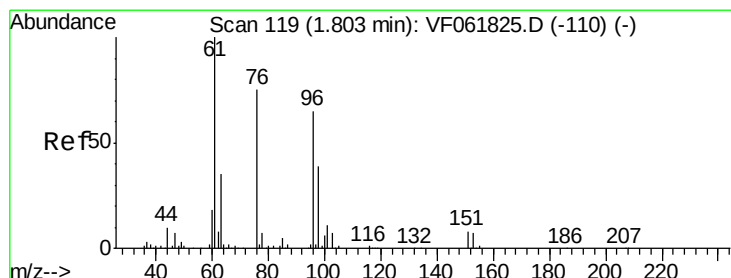
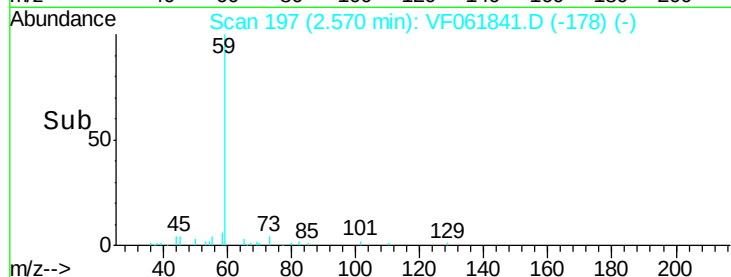
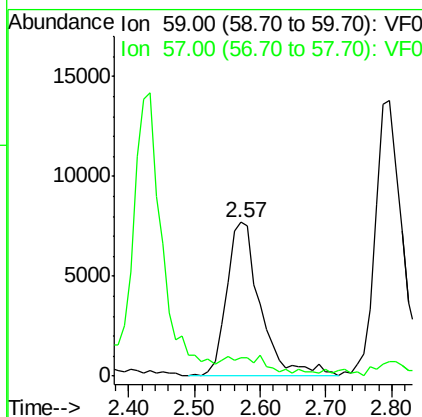
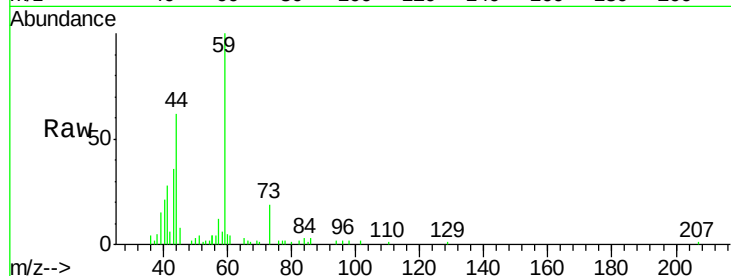




#11
Tert butyl alcohol
Concen: 227.273 ug/l
RT: 2.57 min Scan# 197
Delta R.T. -0.01 min
Lab File: VF061841.D
Acq: 5 Mar 2019 2:33

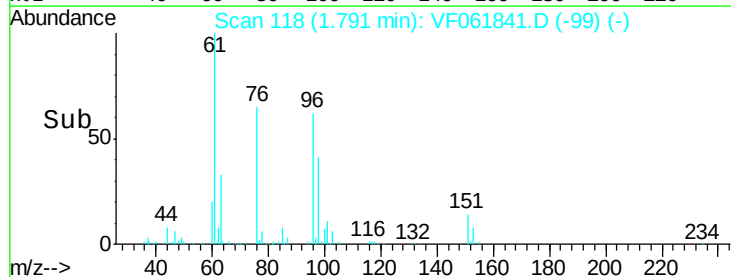
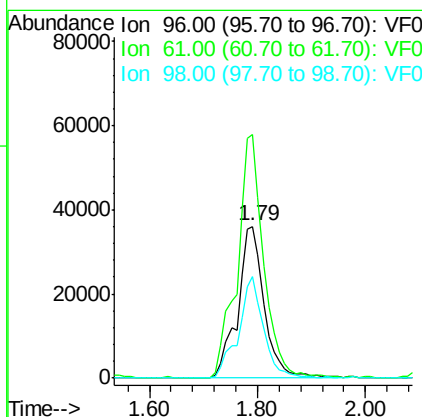
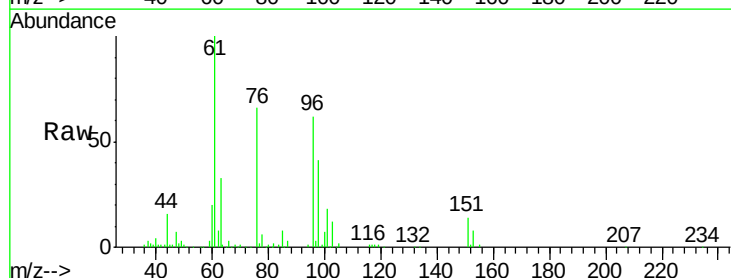
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

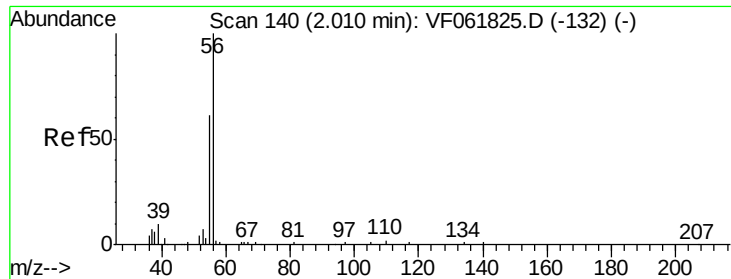
Tot Ion: 59 Resp: 27783
Ion Ratio Lower Upper
59 100
57 12.3 12.5 18.7#



#12
1,1-Dichloroethene
Concen: 49.947 ug/l
RT: 1.79 min Scan# 118
Delta R.T. -0.01 min
Lab File: VF061841.D
Acq: 5 Mar 2019 2:33

Tgt Ion: 96 Resp: 123282
Ion Ratio Lower Upper
96 100
61 160.1 122.6 184.0
98 66.4 47.2 70.8





#13

Acrolein

Concen: 225.761 ug/l

RT: 2.00 min Scan# 139

Delta R.T. -0.01 min

Lab File: VF061841.D

Acq: 5 Mar 2019 2:33

Instrument :

MSVOA_F

ClientSampleId :

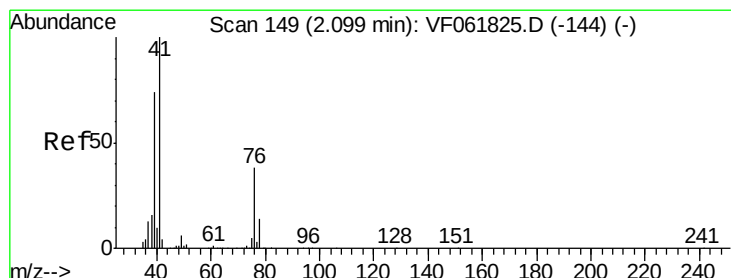
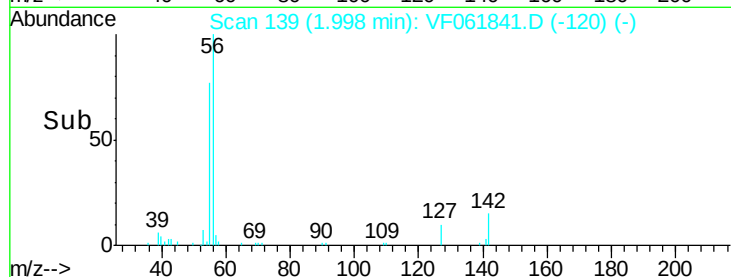
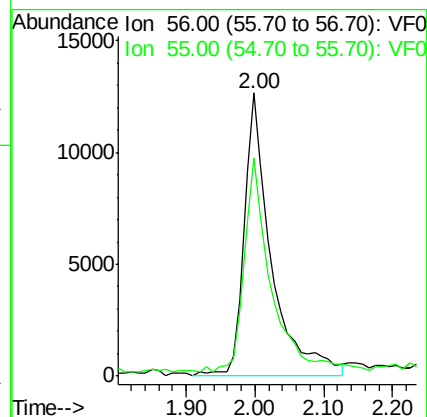
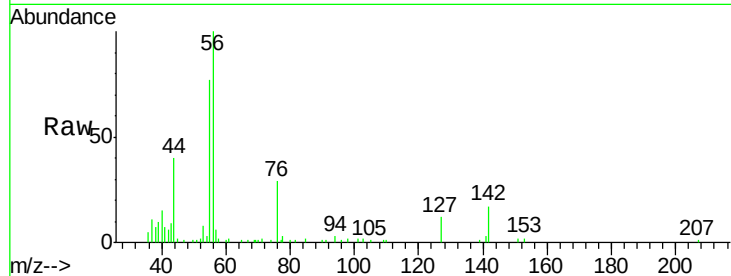
VSTDCCC050EC

Tot Ion: 56 Resp: 34686

Ion Ratio Lower Upper

56 100

55 77.2 55.0 82.6



#14

Allyl chloride

Concen: 46.927 ug/l

RT: 2.09 min Scan# 148

Delta R.T. -0.01 min

Lab File: VF061841.D

Acq: 5 Mar 2019 2:33

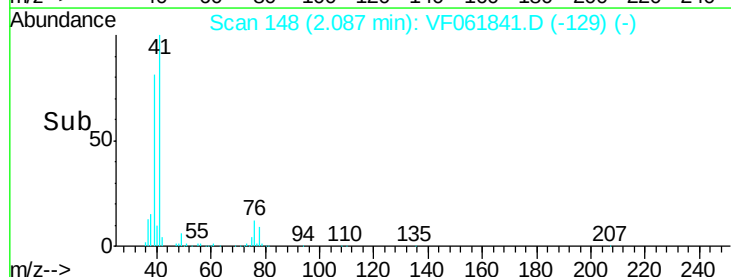
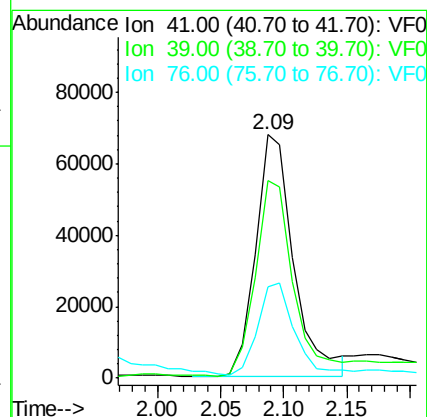
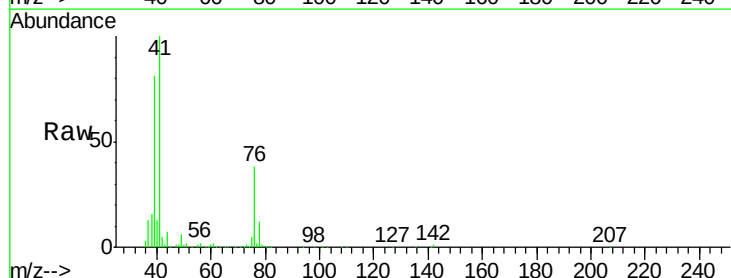
Tgt Ion: 41 Resp: 142133

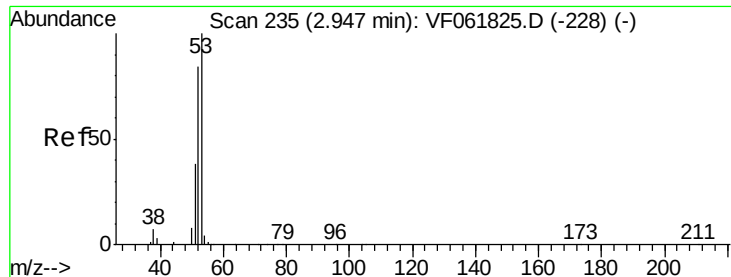
Ion Ratio Lower Upper

41 100

39 80.9 61.6 92.4

76 37.6 30.3 45.5





#15

Acrylonitrile

Concen: 207.932 ug/l

RT: 2.94 min Scan# 234

Delta R.T. -0.02 min

Lab File: VF061841.D

Acq: 5 Mar 2019 2:33

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

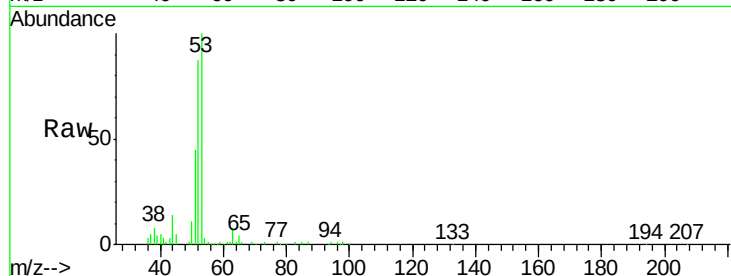
Tot Ion: 53 Resp: 90161

Ion Ratio Lower Upper

53 100

52 86.8 64.6 97.0

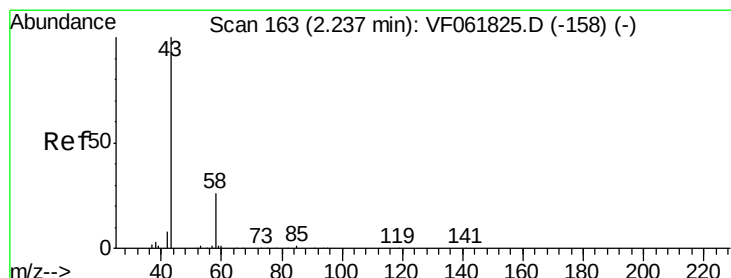
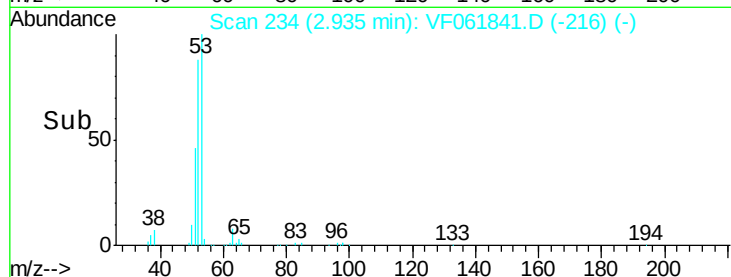
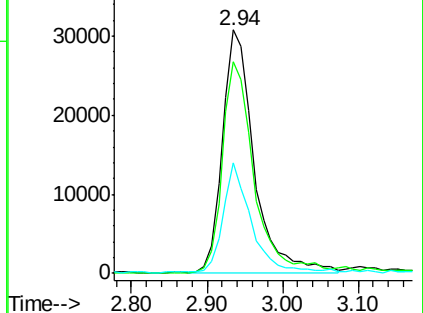
51 45.1 29.8 44.8#



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: 176.767 ug/l

RT: 2.23 min Scan# 163

Delta R.T. -0.01 min

Lab File: VF061841.D

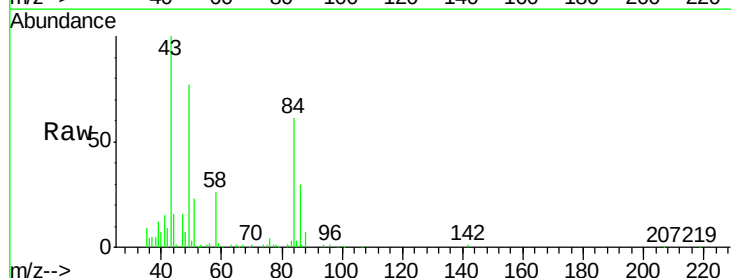
Acq: 5 Mar 2019 2:33

Tgt Ion: 43 Resp: 80111

Ion Ratio Lower Upper

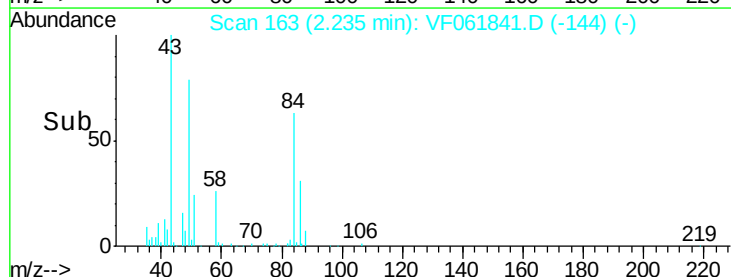
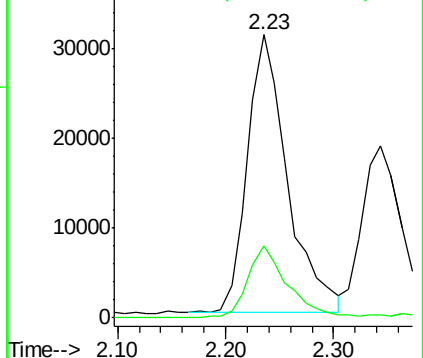
43 100

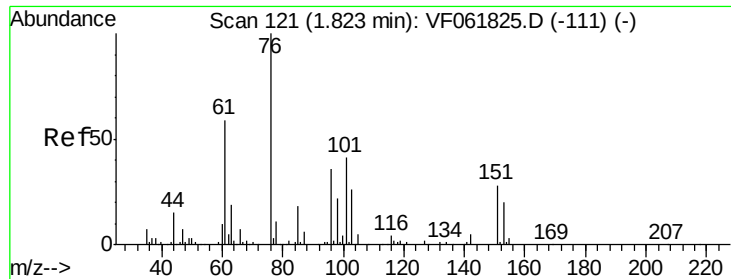
58 25.6 22.9 34.3



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#17

Carbon Disulfide

Concen: 48.792 ug/l

RT: 1.83 min Scan# 122

Delta R.T. -0.00 min

Lab File: VF061841.D

Acq: 5 Mar 2019 2:33

Instrument :

MSVOA_F

ClientSampleId :

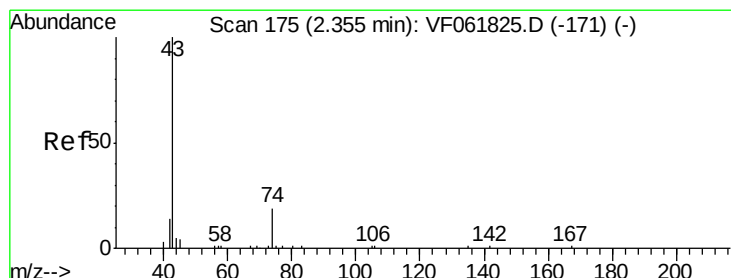
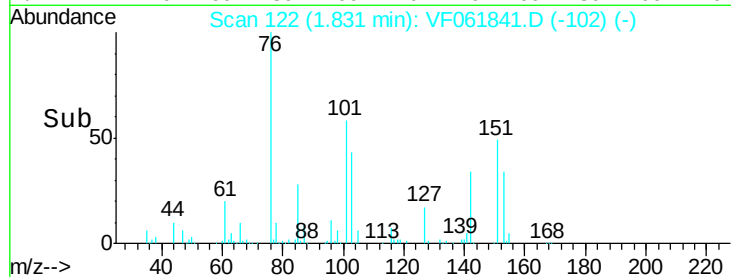
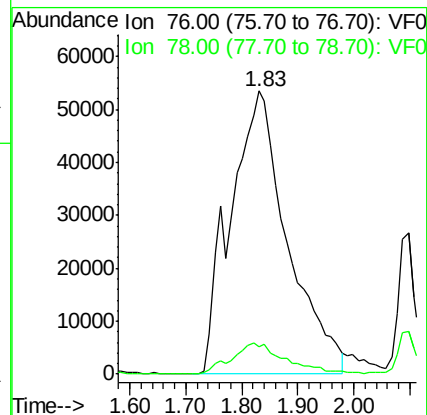
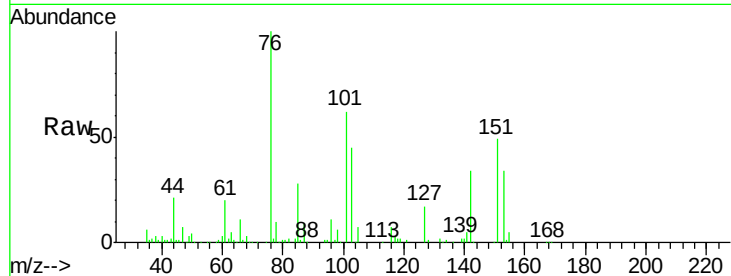
VSTDCCC050EC

Tot Ion: 76 Resp: 378556

Ion Ratio Lower Upper

76 100

78 10.3 7.9 11.9



#18

Methyl Acetate

Concen: 43.899 ug/l

RT: 2.42 min Scan# 182

Delta R.T. 0.07 min

Lab File: VF061841.D

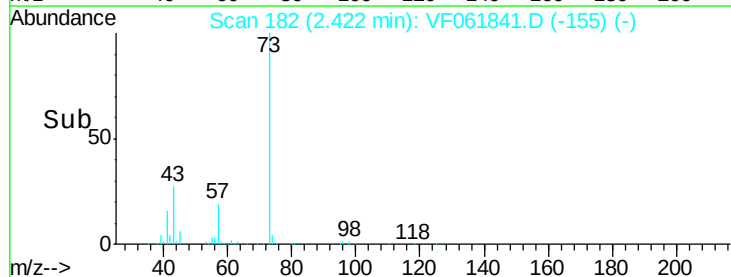
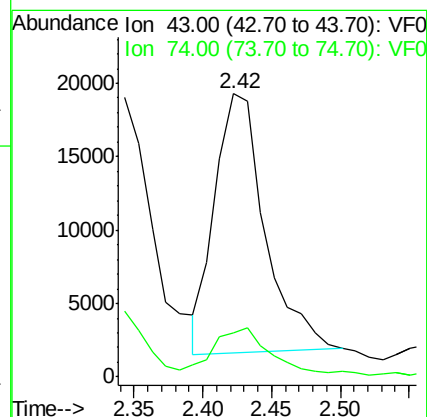
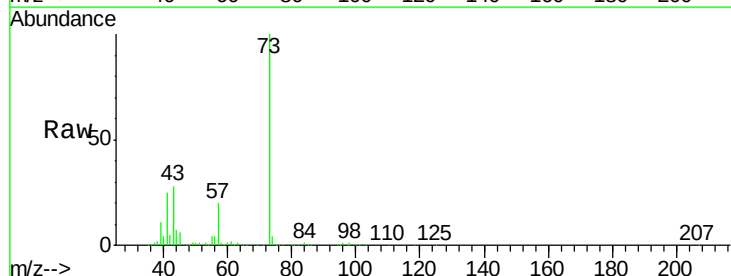
Acq: 5 Mar 2019 2:33

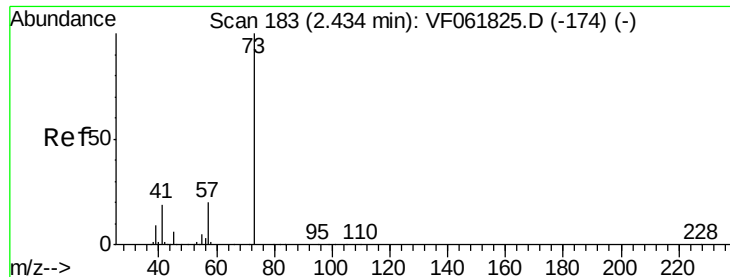
Tgt Ion: 43 Resp: 44819

Ion Ratio Lower Upper

43 100

74 15.7 14.6 21.8

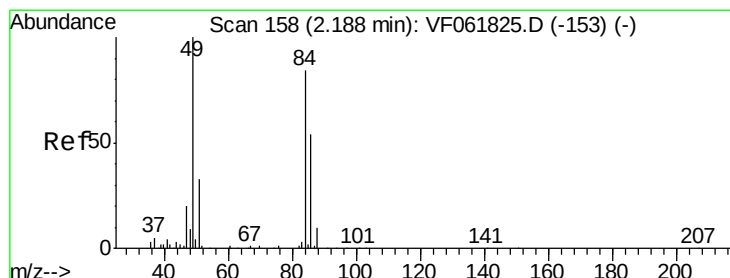
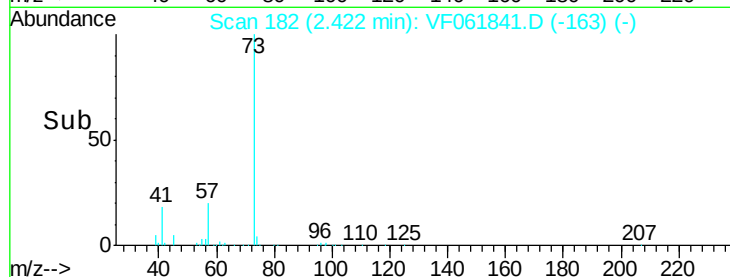
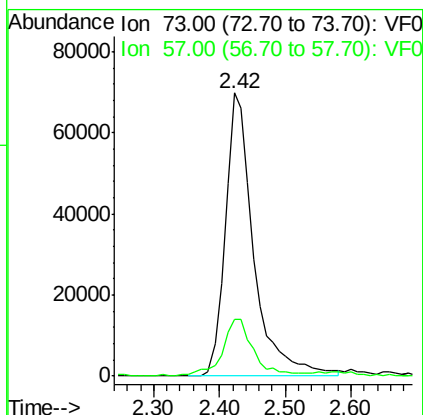
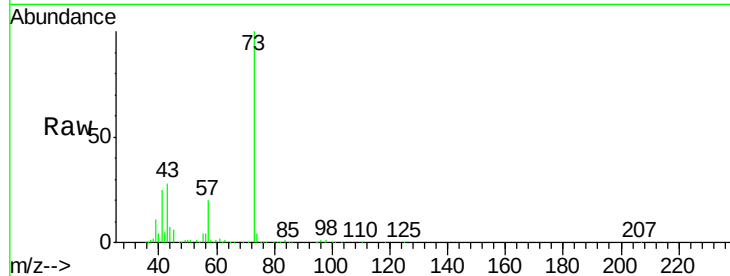




#19
Methyl tert-butyl Ether
Concen: 49.950 ug/l
RT: 2.42 min Scan# 182
Delta R.T. -0.01 min
Lab File: VF061841.D
Acq: 5 Mar 2019 2:33

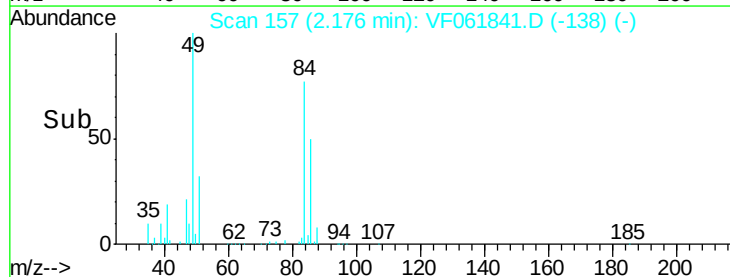
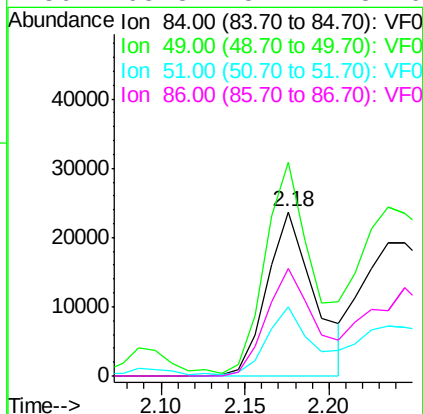
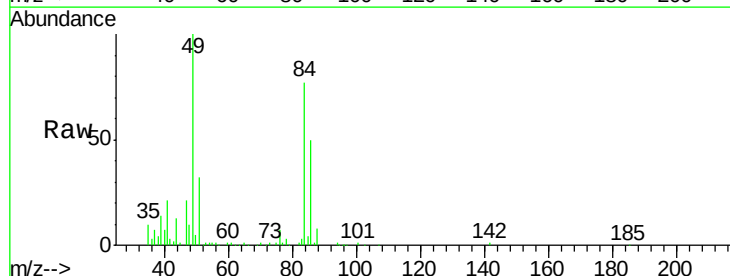
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

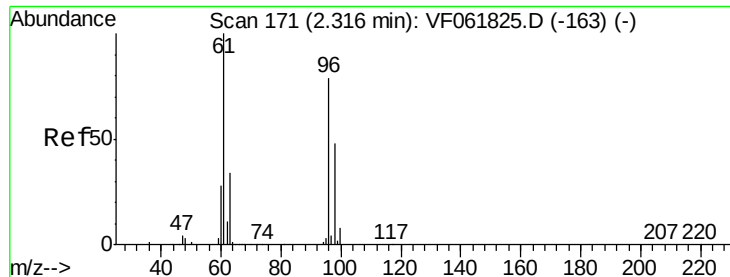
Tot Ion: 73 Resp: 210707
Ion Ratio Lower Upper
73 100
57 19.9 15.8 23.8



#20
Methylene Chloride
Concen: 16.980 ug/l
RT: 2.18 min Scan# 157
Delta R.T. -0.01 min
Lab File: VF061841.D
Acq: 5 Mar 2019 2:33

Tgt Ion: 84 Resp: 46486
Ion Ratio Lower Upper
84 100
49 129.9 101.8 152.8
51 42.1 31.1 46.7
86 65.3 54.4 81.6





#21

trans-1,2-Dichloroethene

Concen: 48.326 ug/l

RT: 2.30 min Scan# 170

Delta R.T. -0.01 min

Lab File: VF061841.D

Acq: 5 Mar 2019 2:33

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

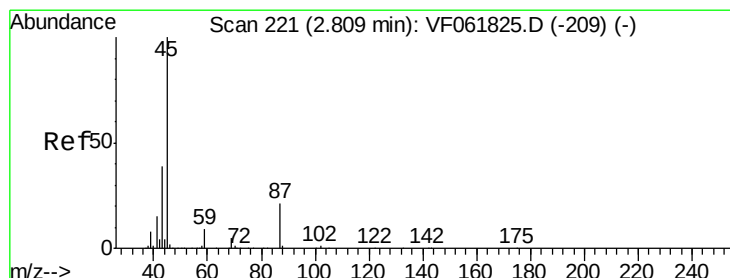
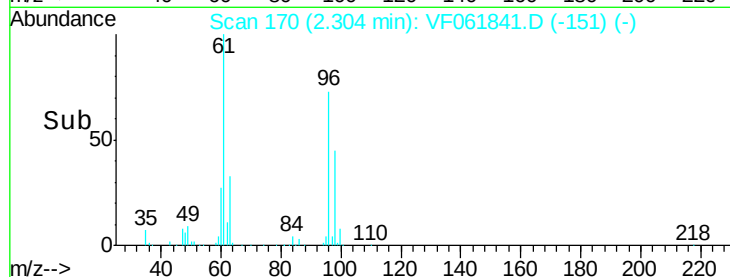
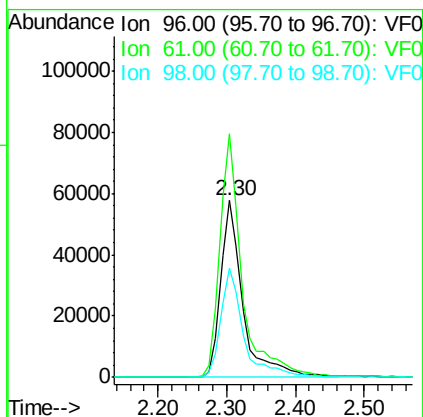
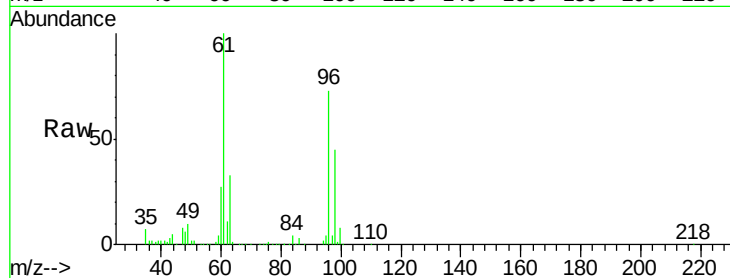
Tot Ion: 96 Resp: 129669

Ion Ratio Lower Upper

96 100

61 137.9 108.2 162.4

98 62.1 52.2 78.2



#22

Diisopropyl ether

Concen: 51.841 ug/l

RT: 2.80 min Scan# 220

Delta R.T. -0.01 min

Lab File: VF061841.D

Acq: 5 Mar 2019 2:33

Tgt Ion: 45 Resp: 376906

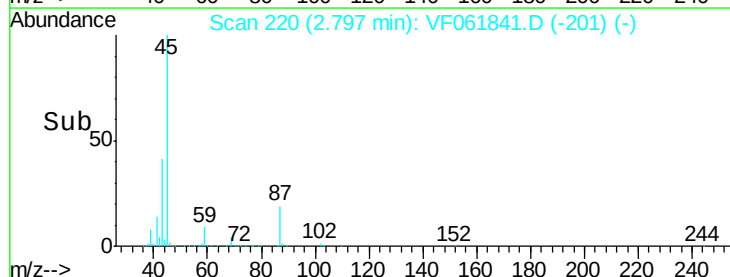
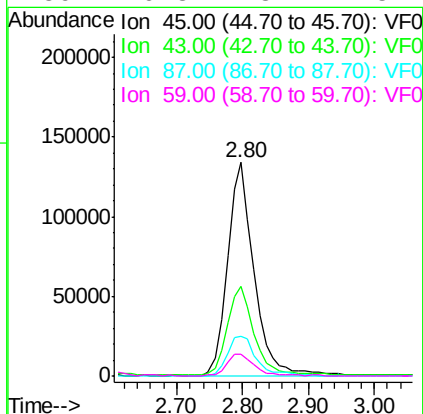
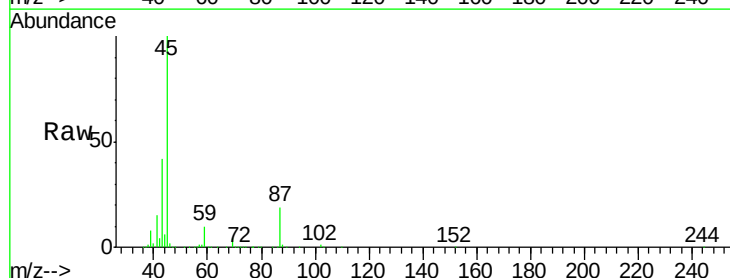
Ion Ratio Lower Upper

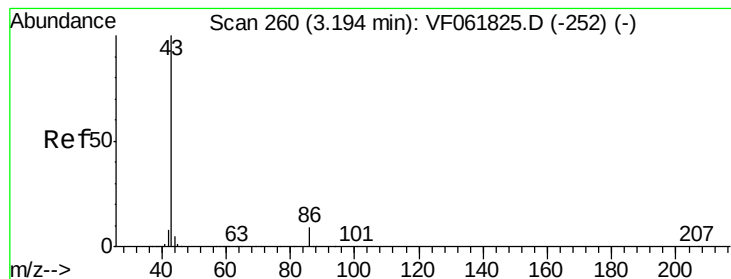
45 100

43 41.7 31.4 47.2

87 18.9 16.3 24.5

59 10.3 8.7 13.1





#23

Vinyl Acetate

Concen: 234.064 ug/l

RT: 3.18 min Scan# 259

Delta R.T. -0.02 min

Lab File: VF061841.D

Acq: 5 Mar 2019 2:33

Instrument :

MSVOA_F

ClientSampleId :

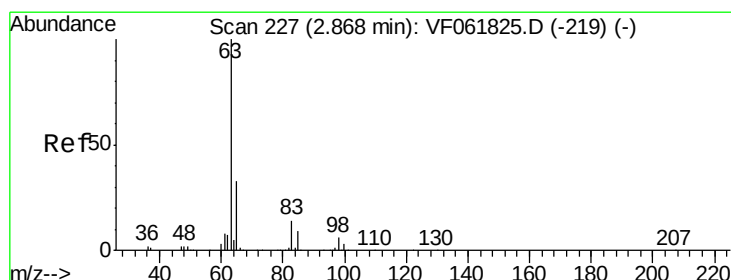
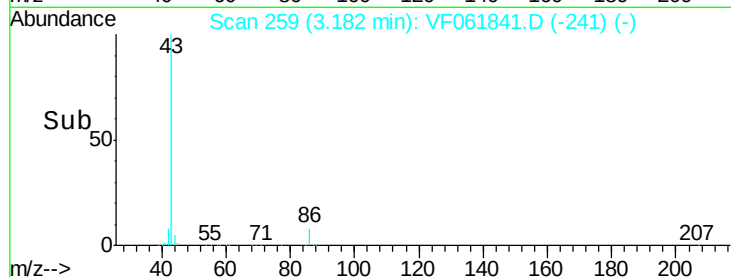
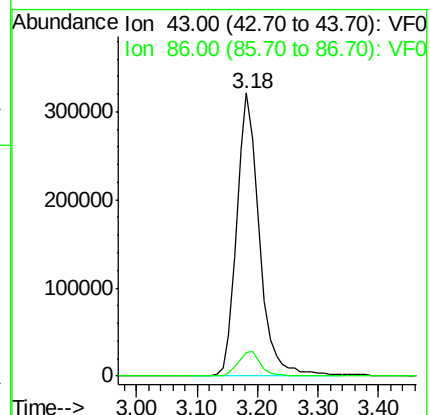
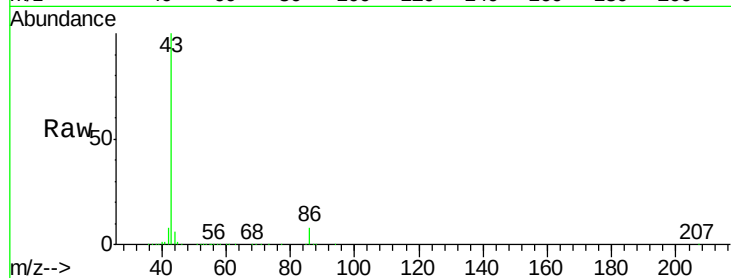
VSTDCCC050EC

Tot Ion: 43 Resp: 831186

Ion Ratio Lower Upper

43 100

86 8.3 7.5 11.3



#24

1,1-Dichloroethane

Concen: 48.058 ug/l

RT: 2.87 min Scan# 227

Delta R.T. -0.01 min

Lab File: VF061841.D

Acq: 5 Mar 2019 2:33

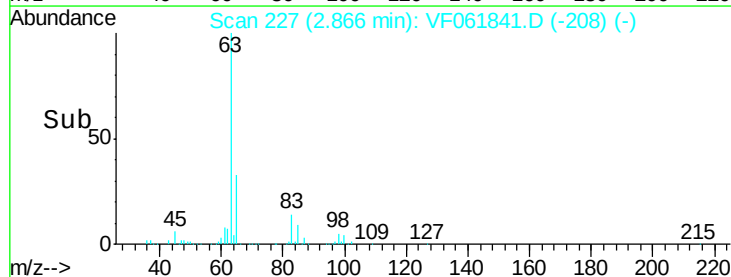
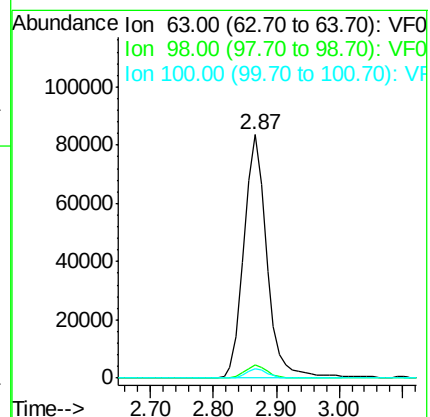
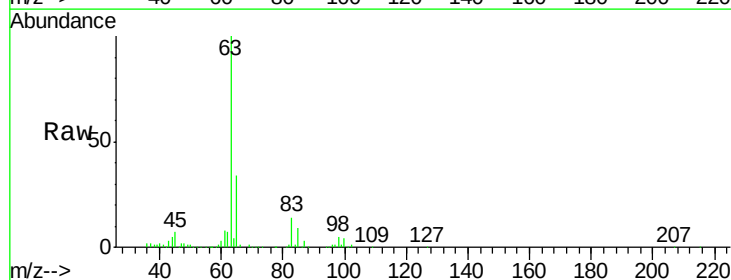
Tgt Ion: 63 Resp: 211447

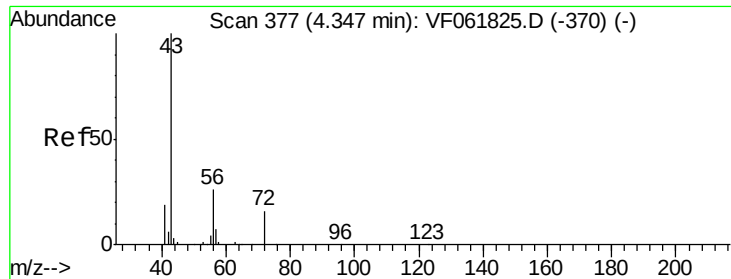
Ion Ratio Lower Upper

63 100

98 5.3 2.8 8.3

100 3.7 1.8 5.4





#25

2-Butanone

Concen: 199.478 ug/l

RT: 4.33 min Scan# 375

Delta R.T. -0.01 min

Lab File: VF061841.D

Acq: 5 Mar 2019 2:33

Instrument :

MSVOA_F

ClientSampleId :

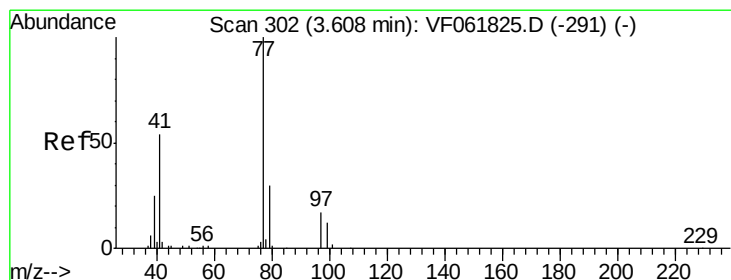
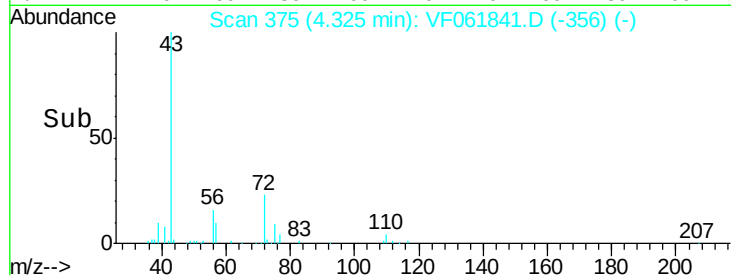
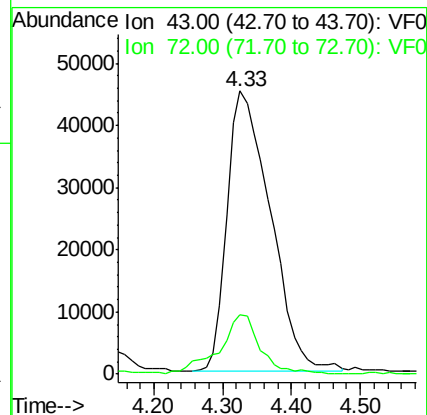
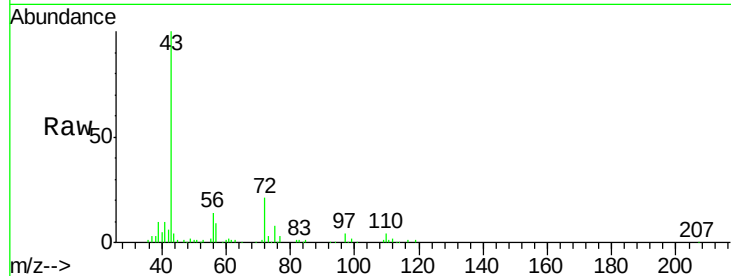
VSTDCCC050EC

Tot Ion: 43 Resp: 197469

Ion Ratio Lower Upper

43 100

72 21.0 17.1 25.7



#26

2,2-Dichloropropane

Concen: 47.397 ug/l

RT: 3.60 min Scan# 301

Delta R.T. -0.02 min

Lab File: VF061841.D

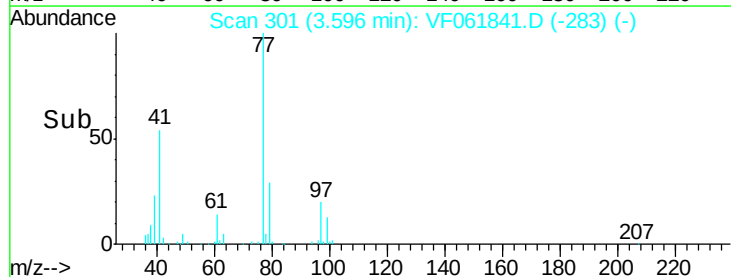
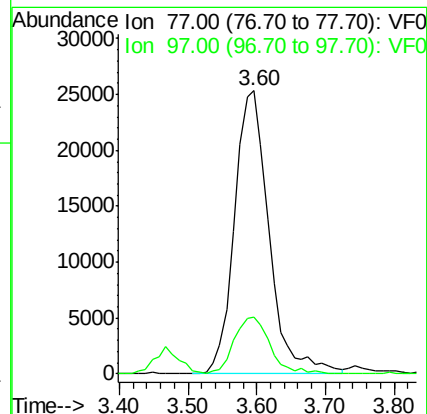
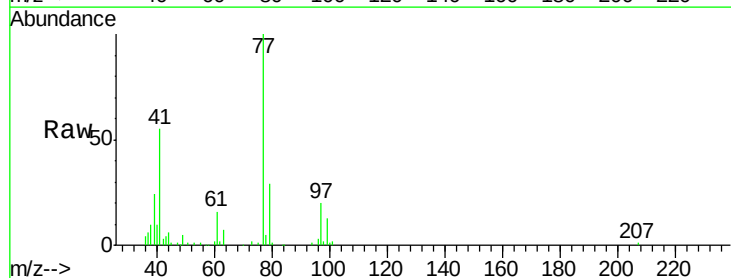
Acq: 5 Mar 2019 2:33

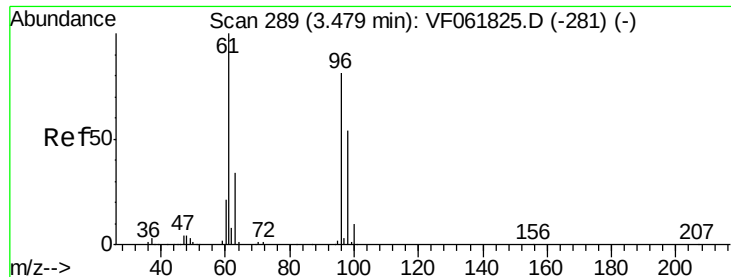
Tgt Ion: 77 Resp: 88333

Ion Ratio Lower Upper

77 100

97 19.9 11.7 35.0





#27

cis-1,2-Dichloroethene

Concen: 48.251 ug/l

RT: 3.47 min Scan# 288

Delta R.T. -0.02 min

Lab File: VF061841.D

Acq: 5 Mar 2019 2:33

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

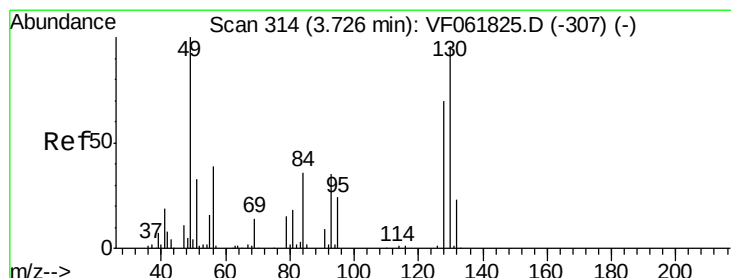
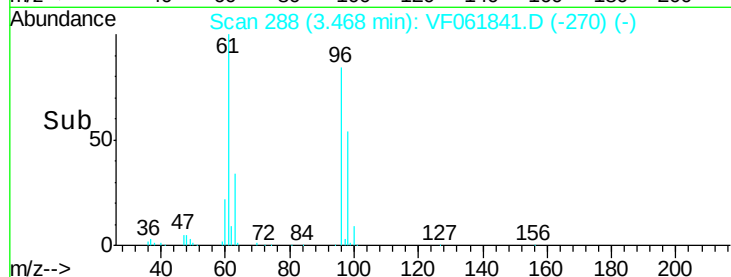
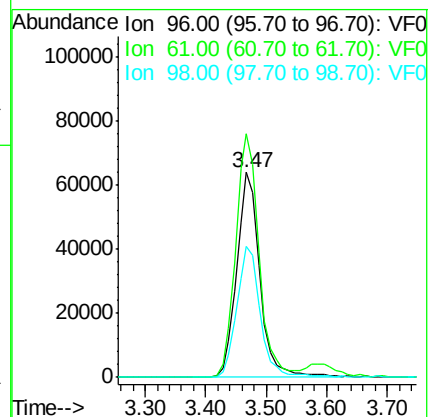
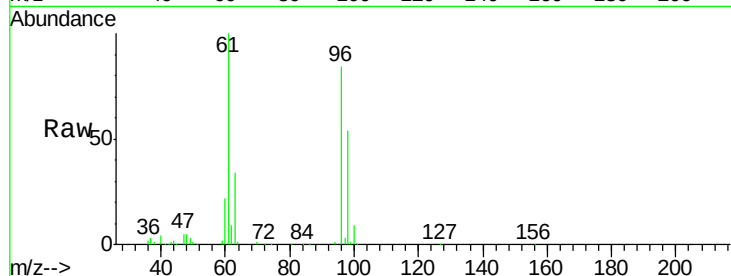
Tot Ion: 96 Resp: 169933

Ion Ratio Lower Upper

96 100

61 119.0 0.0 241.6

98 64.0 0.0 130.2



#28

Bromochloromethane

Concen: 43.559 ug/l

RT: 3.71 min Scan# 313

Delta R.T. -0.01 min

Lab File: VF061841.D

Acq: 5 Mar 2019 2:33

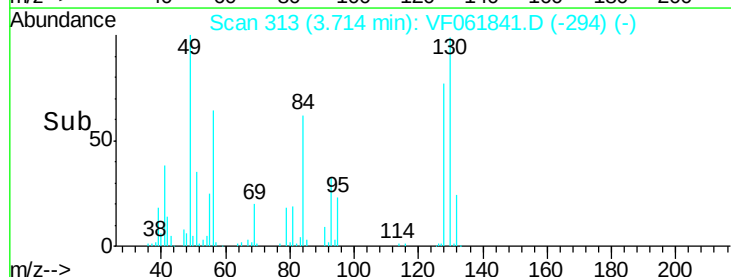
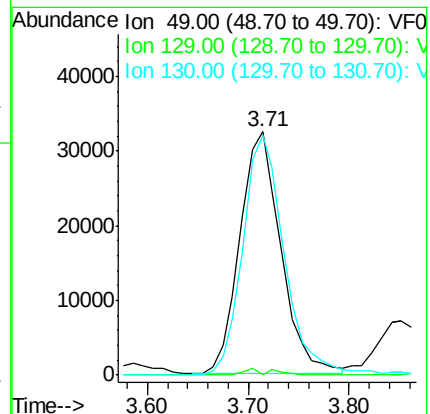
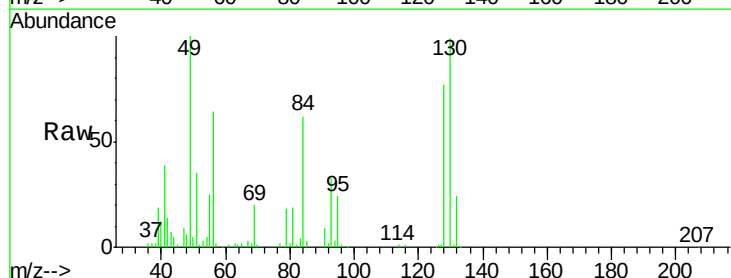
Tgt Ion: 49 Resp: 91958

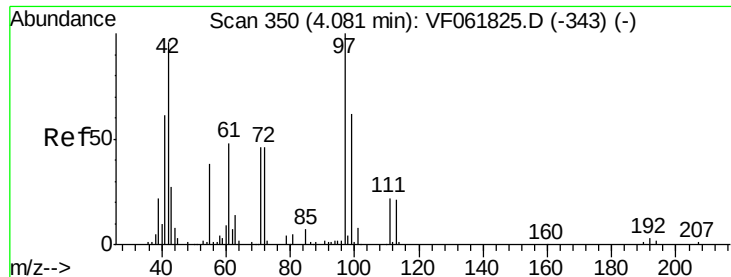
Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.4

130 98.6 77.7 116.5





#29

Tetrahydrofuran

Concen: 202.835 ug/l

RT: 4.07 min Scan# 349

Delta R.T. -0.02 min

Lab File: VF061841.D

Acq: 5 Mar 2019 2:33

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

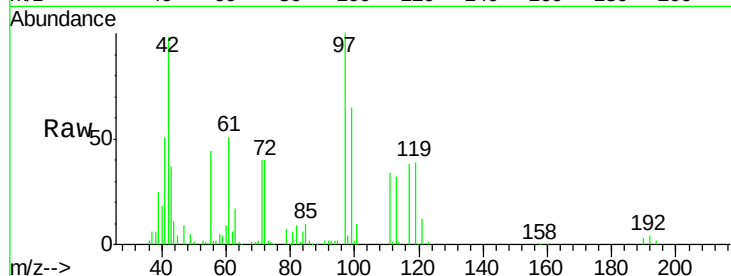
Tot Ion: 42 Resp: 91262

Ion Ratio Lower Upper

42 100

72 42.4 35.2 52.8

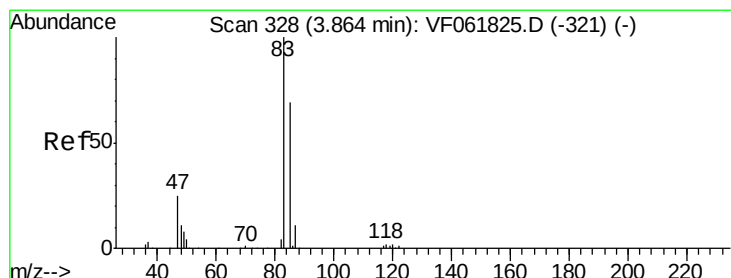
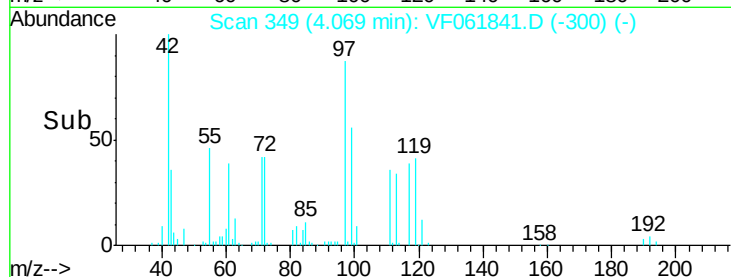
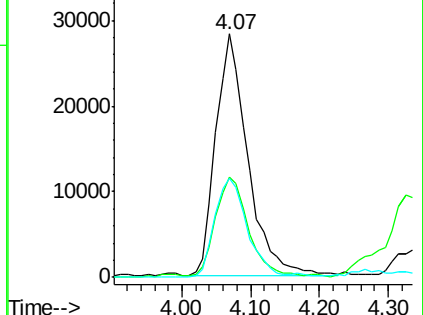
71 41.5 32.9 49.3



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 48.466 ug/l

RT: 3.85 min Scan# 327

Delta R.T. -0.02 min

Lab File: VF061841.D

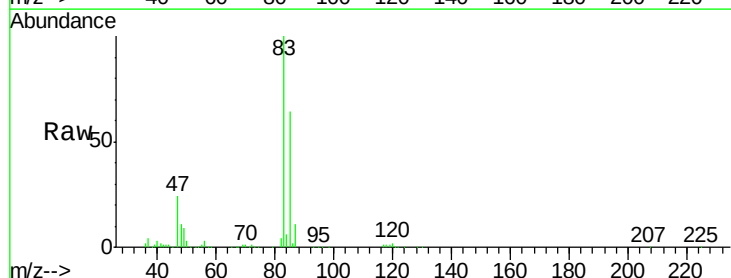
Acq: 5 Mar 2019 2:33

Tgt Ion: 83 Resp: 242505

Ion Ratio Lower Upper

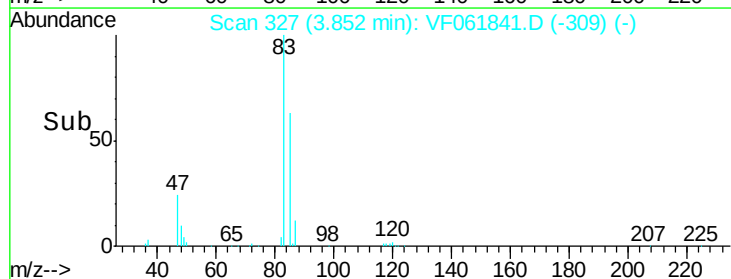
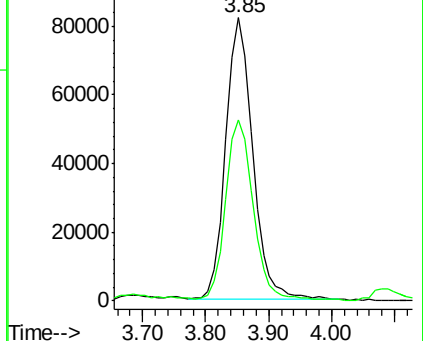
83 100

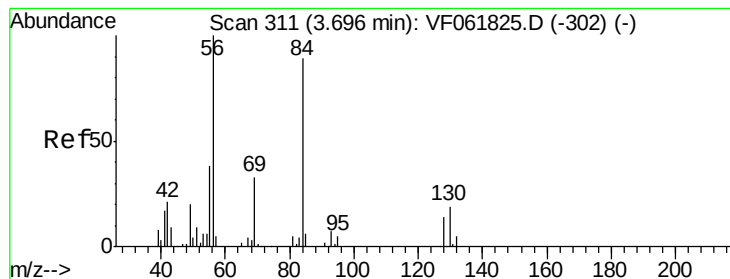
85 64.1 51.1 76.7



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0





#31

Cyclohexane

Concen: 27.313 ug/l

RT: 3.68 min Scan# 310

Delta R.T. -0.02 min

Lab File: VF061841.D

Acq: 5 Mar 2019 2:33

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

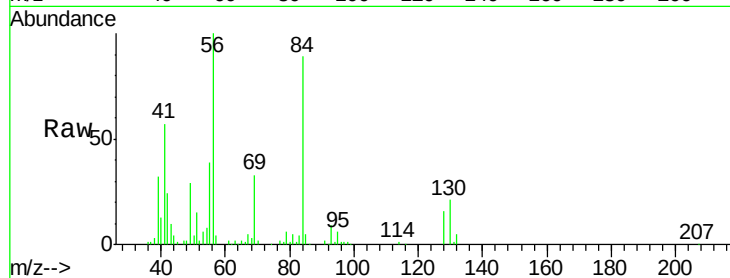
Tot Ion: 56 Resp: 130093

Ion Ratio Lower Upper

56 100

69 32.9 23.8 35.8

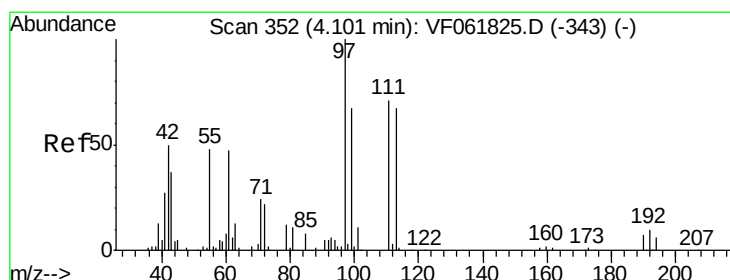
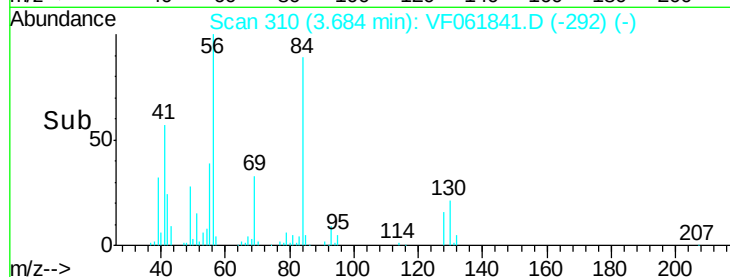
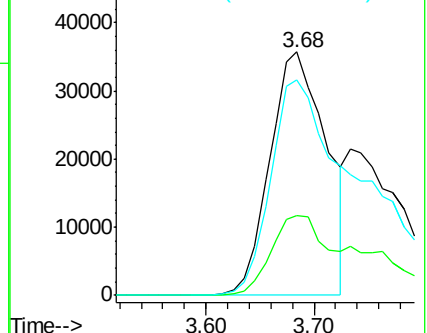
84 88.5 68.6 103.0



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 84.00 (83.70 to 84.70): VF0



#32

1,1,1-Trichloroethane

Concen: 48.500 ug/l

RT: 4.08 min Scan# 350

Delta R.T. -0.02 min

Lab File: VF061841.D

Acq: 5 Mar 2019 2:33

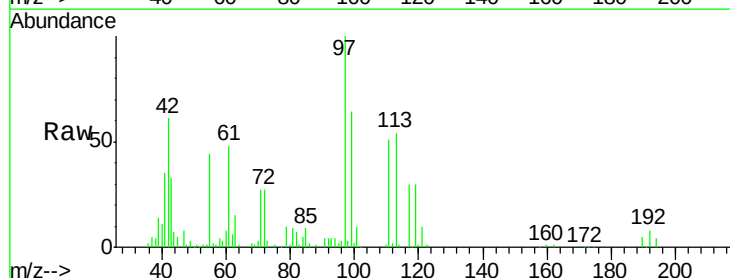
Tgt Ion: 97 Resp: 158969

Ion Ratio Lower Upper

97 100

99 64.0 52.2 78.2

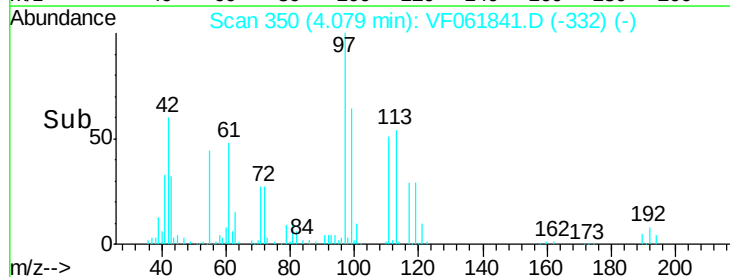
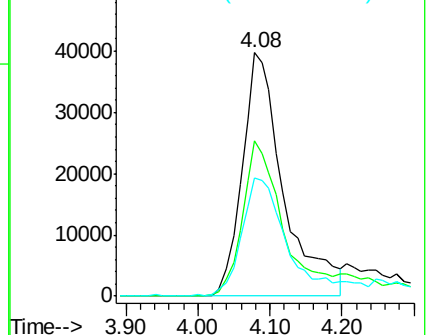
61 48.5 39.2 58.8

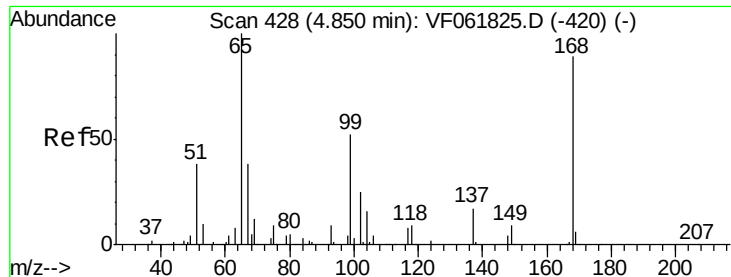


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

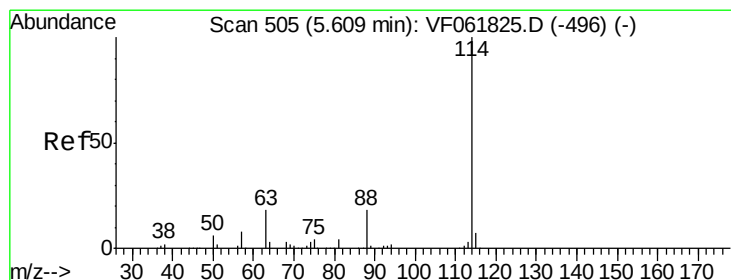
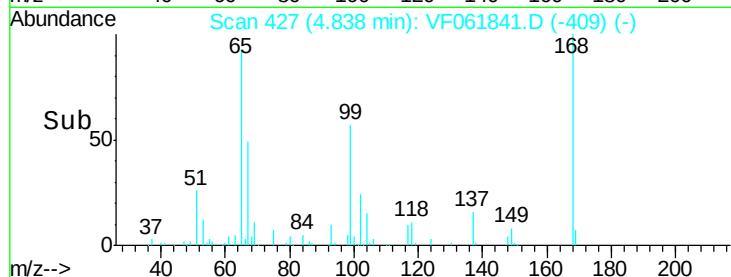
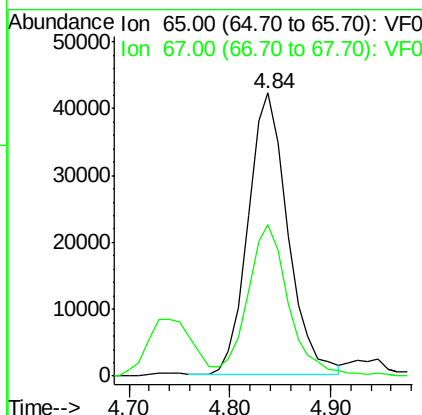
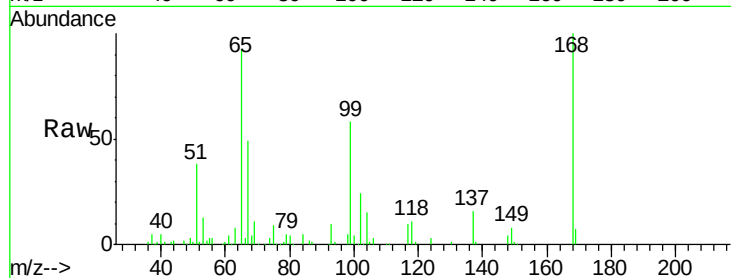




#33
 1,2-Dichloroethane-d4
 Concen: 54.522 ug/l
 RT: 4.84 min Scan# 427
 Delta R.T. -0.02 min
 Lab File: VF061841.D
 Acq: 5 Mar 2019 2:33

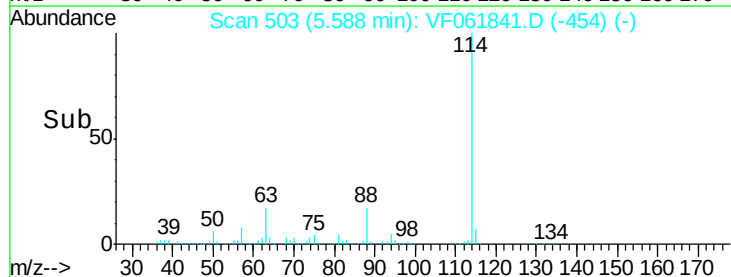
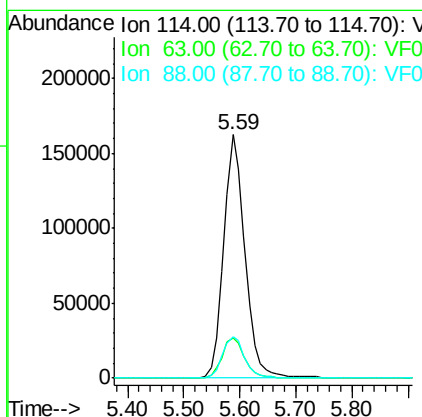
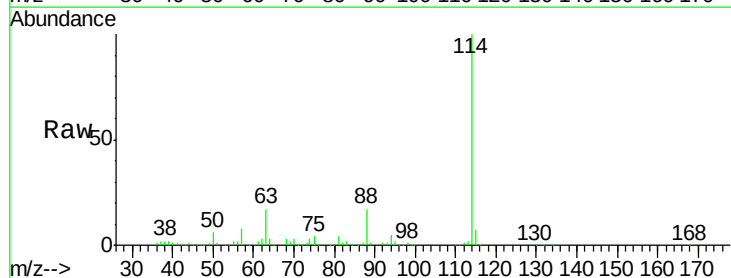
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

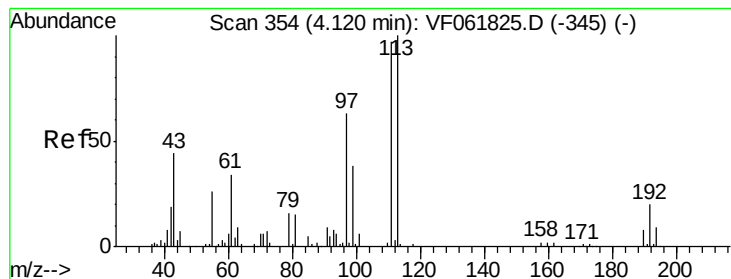
Tot Ion: 65 Resp: 115166
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.59 min Scan# 503
 Delta R.T. -0.02 min
 Lab File: VF061841.D
 Acq: 5 Mar 2019 2:33

Tgt Ion: 114 Resp: 430663
 Ion Ratio Lower Upper
 114 100
 63 16.7 0.0 36.6
 88 17.0 0.0 34.4





#35

Dibromofluoromethane

Concen: 49.494 ug/l

RT: 4.11 min Scan# 353

Delta R.T. -0.01 min

Lab File: VF061841.D

Acq: 5 Mar 2019 2:33

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

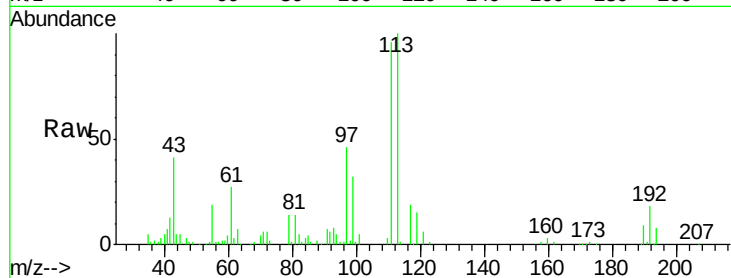
Tot Ion:113 Resp: 158289

Ion Ratio Lower Upper

113 100

111 96.2 78.8 118.2

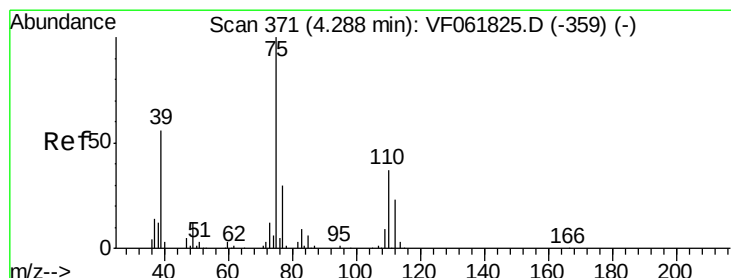
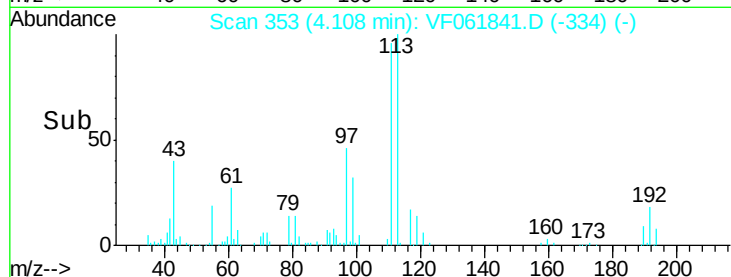
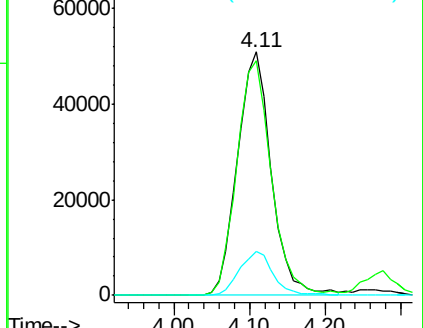
192 18.2 13.4 20.0



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 47.407 ug/l

RT: 4.27 min Scan# 369

Delta R.T. -0.03 min

Lab File: VF061841.D

Acq: 5 Mar 2019 2:33

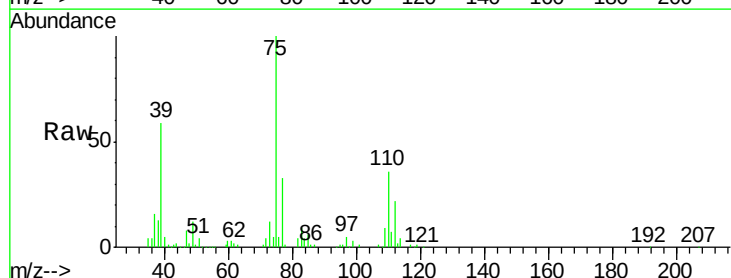
Tgt Ion: 75 Resp: 202251

Ion Ratio Lower Upper

75 100

110 36.0 20.5 61.6

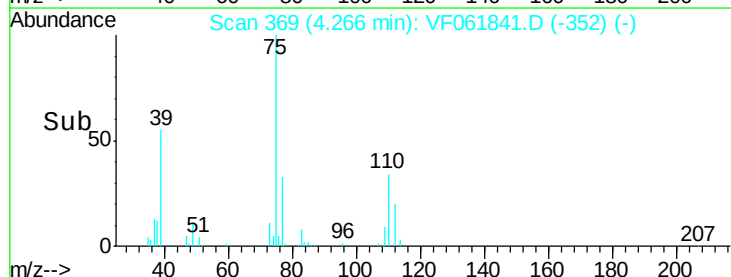
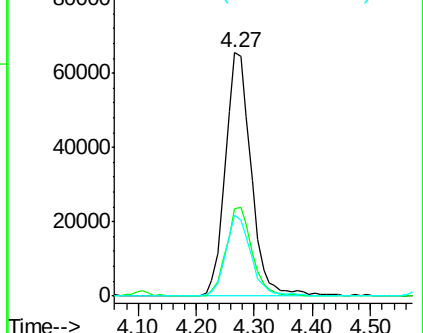
77 33.3 27.0 40.4

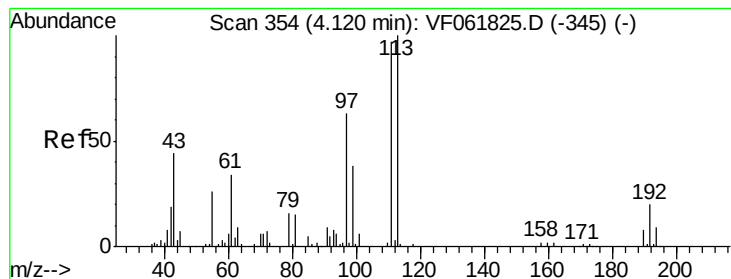


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0





#37

Ethyl Acetate

Concen: 42.102 ug/l

RT: 4.11 min Scan# 353

Delta R.T. -0.02 min

Lab File: VF061841.D

Acq: 5 Mar 2019 2:33

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

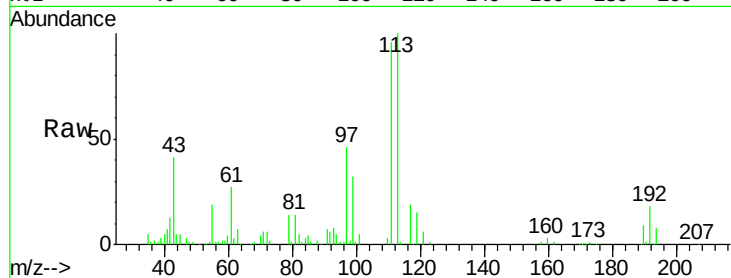
Tot Ion: 43 Resp: 83427

Ion Ratio Lower Upper

43 100

61 65.6 45.7 68.5

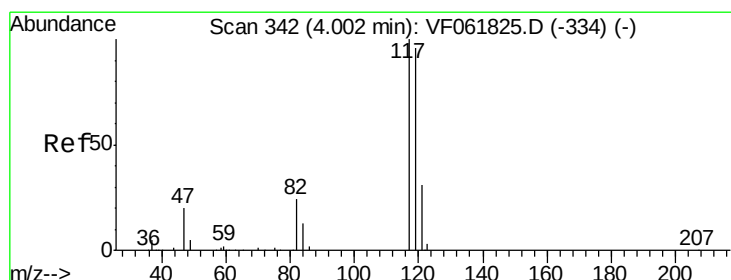
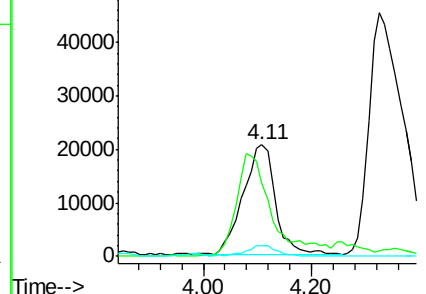
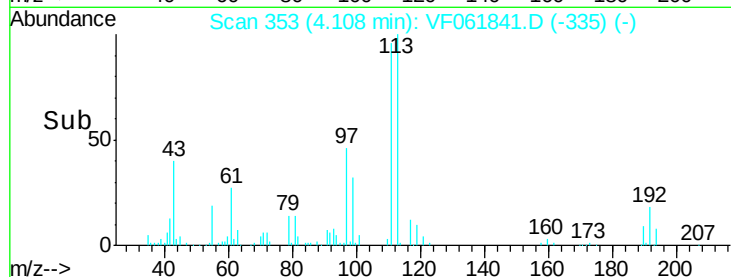
70 9.9 8.5 12.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0



#38

Carbon Tetrachloride

Concen: 52.550 ug/l

RT: 3.98 min Scan# 340

Delta R.T. -0.02 min

Lab File: VF061841.D

Acq: 5 Mar 2019 2:33

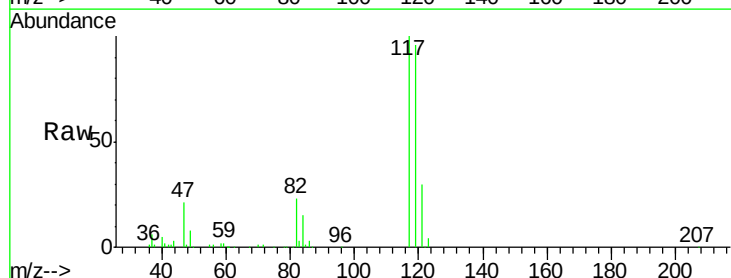
Tgt Ion: 117 Resp: 154807

Ion Ratio Lower Upper

117 100

119 96.0 75.6 113.4

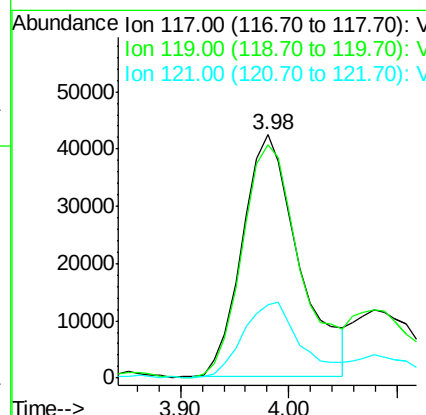
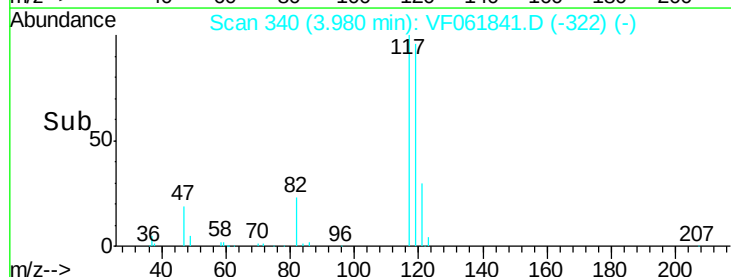
121 30.3 25.2 37.8

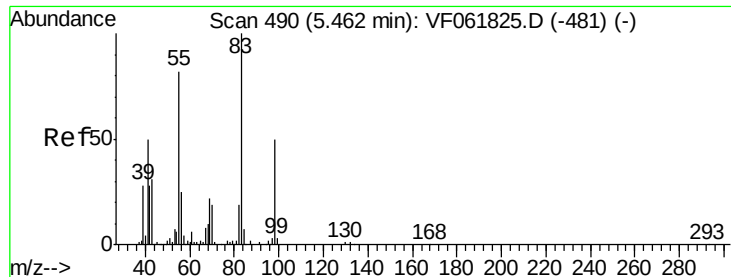


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V

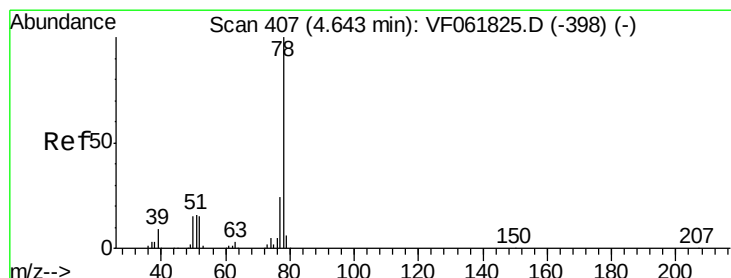
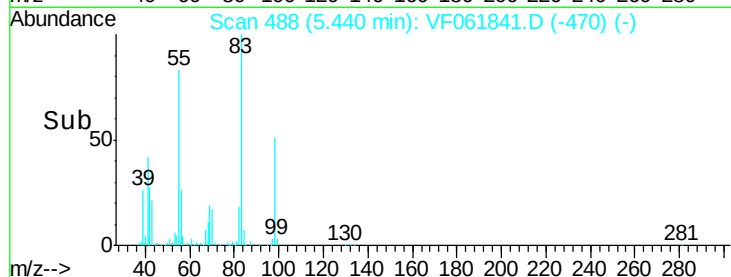
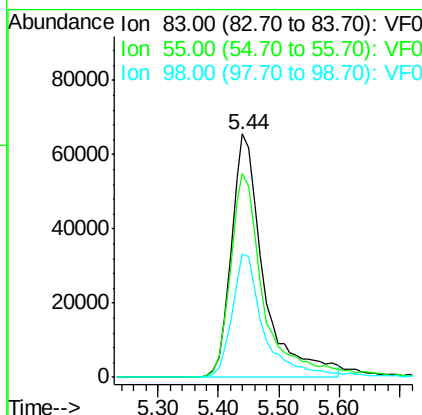
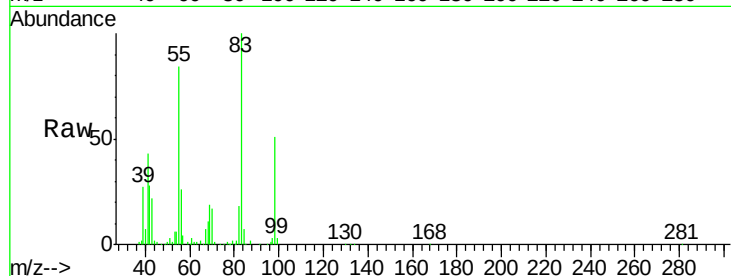




#39
Methylvlcyclohexane
Concen: 48.220 ug/l
RT: 5.44 min Scan# 488
Delta R.T. -0.02 min
Lab File: VF061841.D
Acq: 5 Mar 2019 2:33

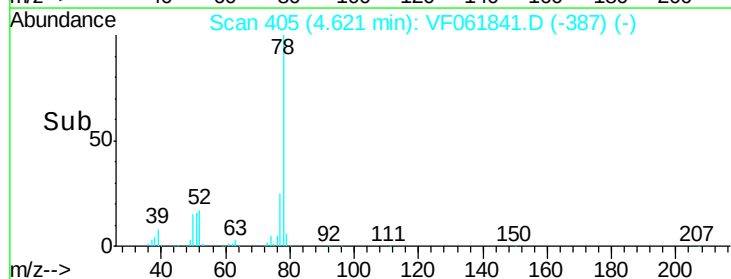
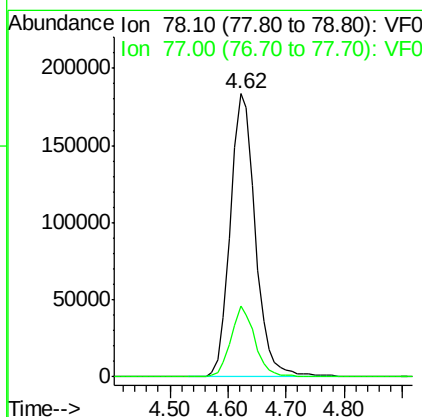
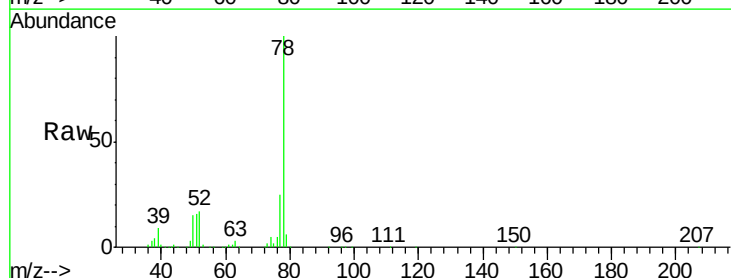
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

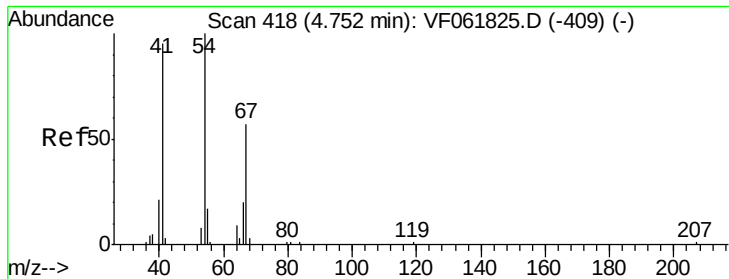
Tot Ion: 83 Resp: 243297
Ion Ratio Lower Upper
83 100
55 83.5 66.6 99.8
98 50.7 40.4 60.6



#40
Benzene
Concen: 49.286 ug/l
RT: 4.62 min Scan# 405
Delta R.T. -0.02 min
Lab File: VF061841.D
Acq: 5 Mar 2019 2:33

Tgt Ion: 78 Resp: 549984
Ion Ratio Lower Upper
78 100
77 25.1 19.0 28.6

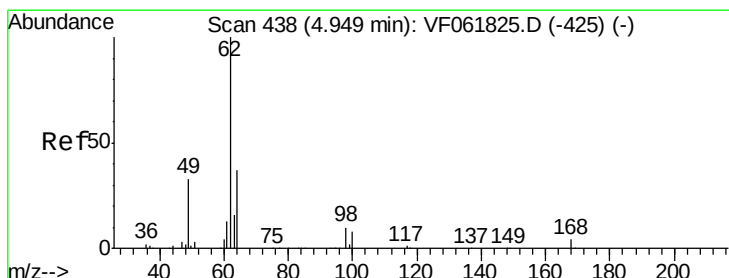
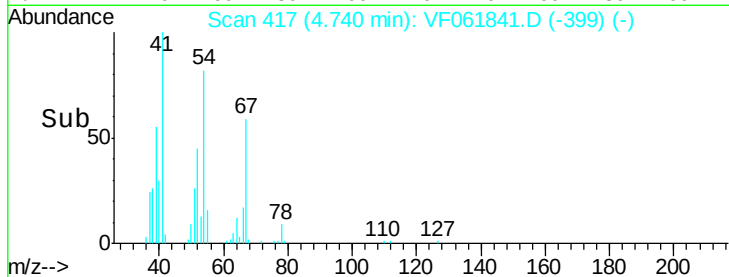
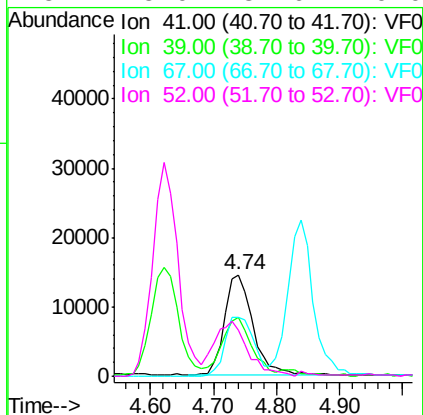
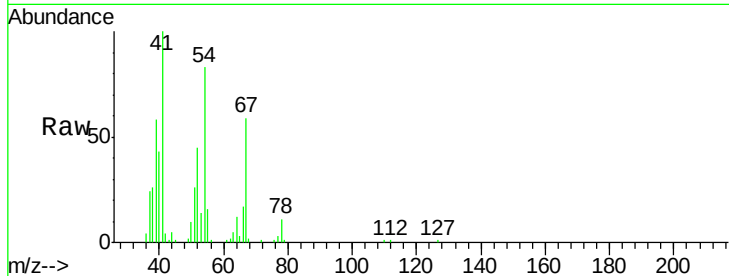




#41
Methacrylonitrile
Concen: 45.045 ug/l
RT: 4.74 min Scan# 417
Delta R.T. -0.02 min
Lab File: VF061841.D
Acq: 5 Mar 2019 2:33

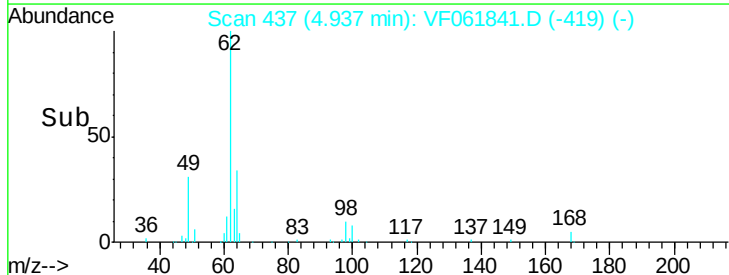
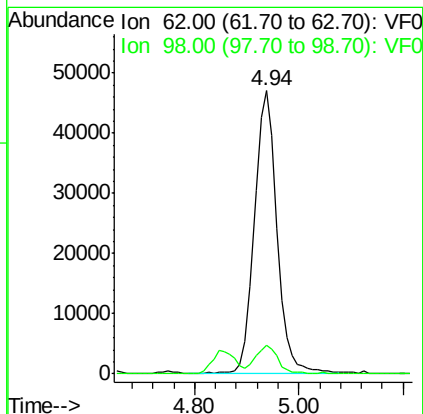
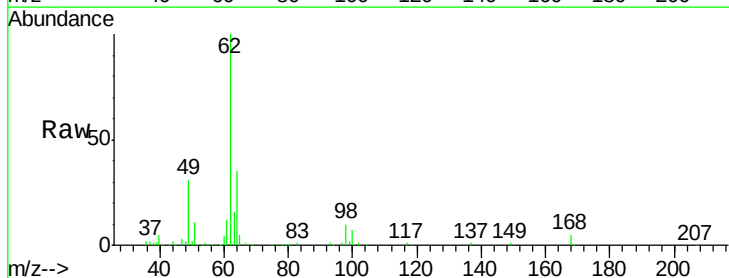
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

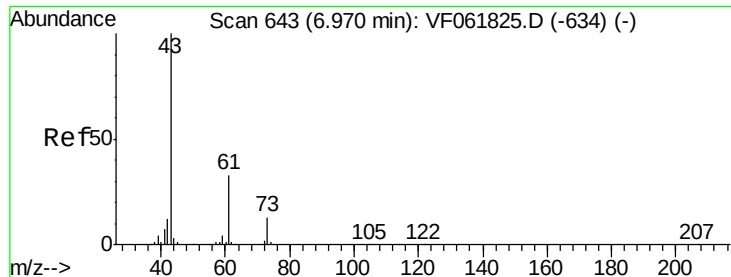
Tot Ion:	41	Resp:	45647
Ion	Ratio	Lower	Upper
41	100		
39	58.1	45.3	67.9
67	58.7	49.3	73.9
52	45.0	32.6	49.0



#42
1,2-Dichloroethane
Concen: 52.211 ug/l
RT: 4.94 min Scan# 437
Delta R.T. -0.02 min
Lab File: VF061841.D
Acq: 5 Mar 2019 2:33

Tgt Ion:	62	Resp:	139368
Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	26.0





#43

Isopropyl Acetate

Concen: 43.195 ug/l

RT: 6.95 min Scan# 641

Delta R.T. -0.02 min

Lab File: VF061841.D

Acq: 5 Mar 2019 2:33

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

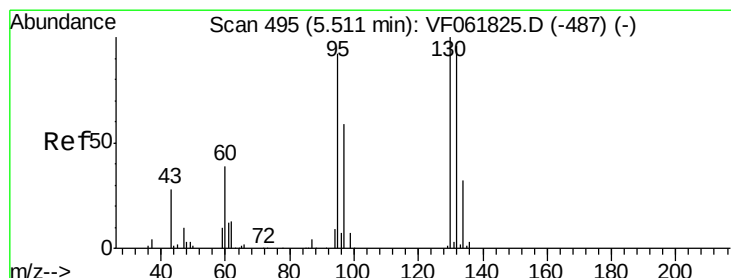
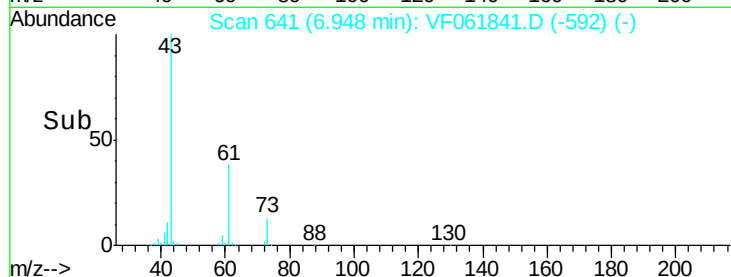
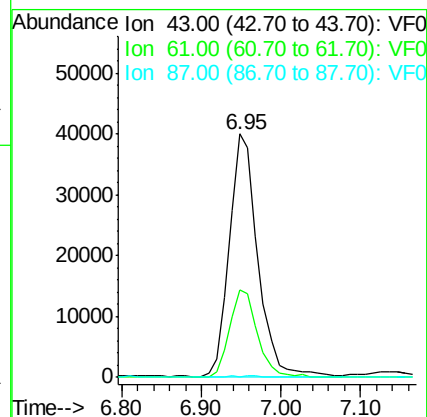
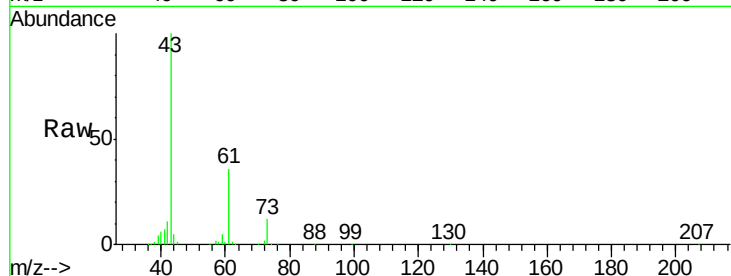
Tot Ion: 43 Resp: 101317

Ion Ratio Lower Upper

43 100

61 35.9 25.8 38.6

87 0.0 0.4 0.6#



#44

Trichloroethene

Concen: 46.318 ug/l

RT: 5.50 min Scan# 494

Delta R.T. -0.01 min

Lab File: VF061841.D

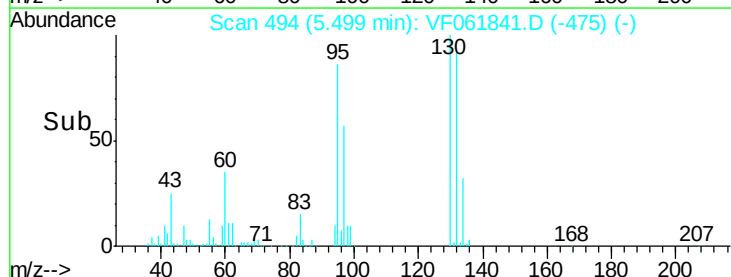
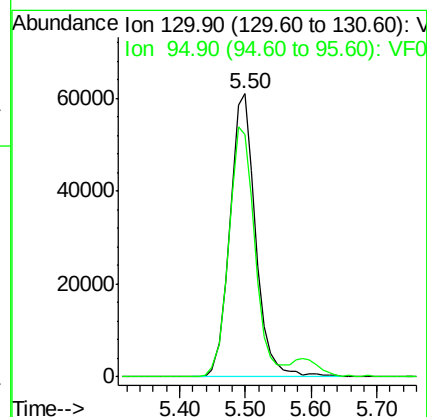
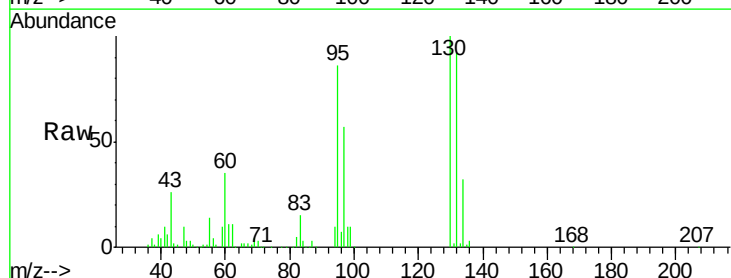
Acq: 5 Mar 2019 2:33

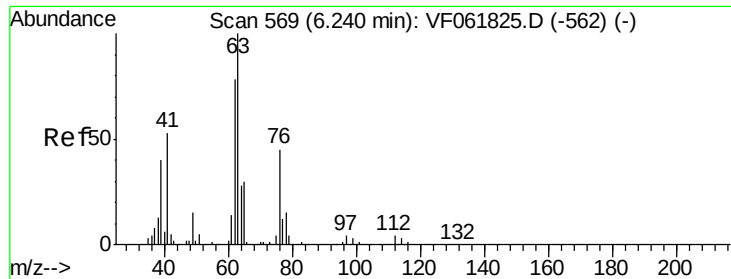
Tgt Ion:130 Resp: 167142

Ion Ratio Lower Upper

130 100

95 85.7 0.0 179.4





#45

1,2-Dichloropropane

Concen: 46.260 ug/l

RT: 6.23 min Scan# 568

Delta R.T. -0.02 min

Lab File: VF061841.D

Acq: 5 Mar 2019 2:33

Instrument :

MSVOA_F

ClientSampleId :

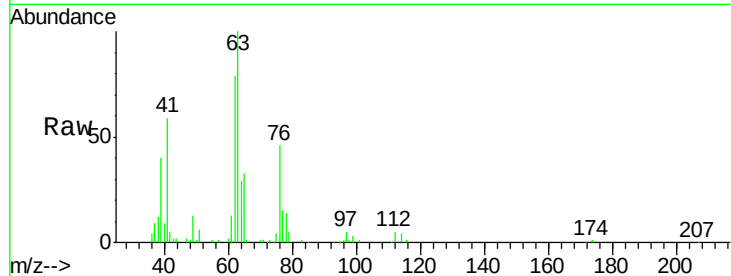
VSTDCCC050EC

Tot Ion: 63 Resp: 124778

Ion Ratio Lower Upper

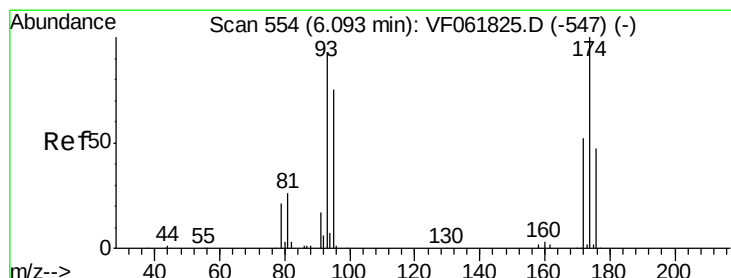
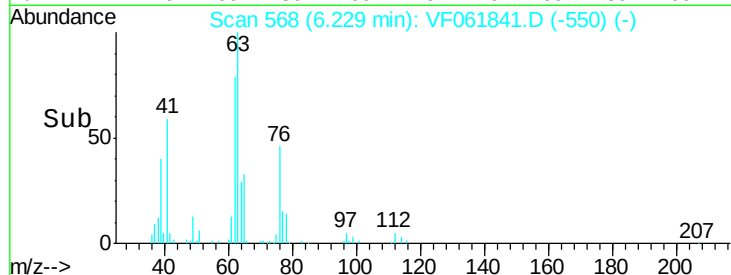
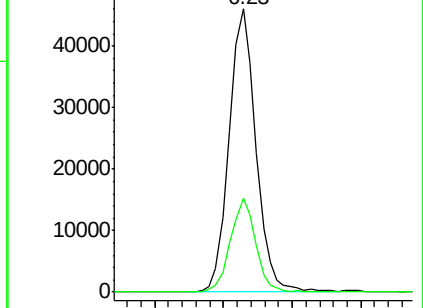
63 100

65 33.1 24.9 37.3



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 47.852 ug/l

RT: 6.08 min Scan# 553

Delta R.T. -0.02 min

Lab File: VF061841.D

Acq: 5 Mar 2019 2:33

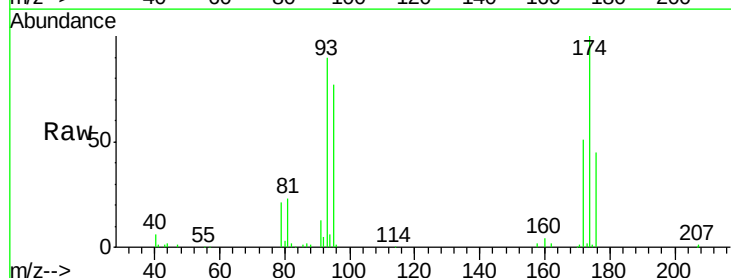
Tgt Ion: 93 Resp: 79471

Ion Ratio Lower Upper

93 100

95 85.4 69.0 103.6

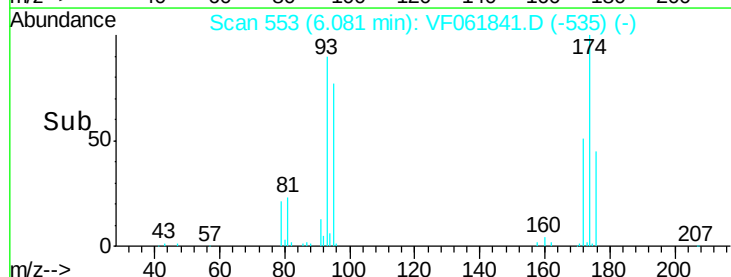
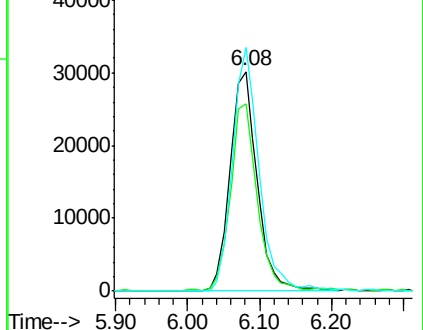
174 110.8 99.3 148.9

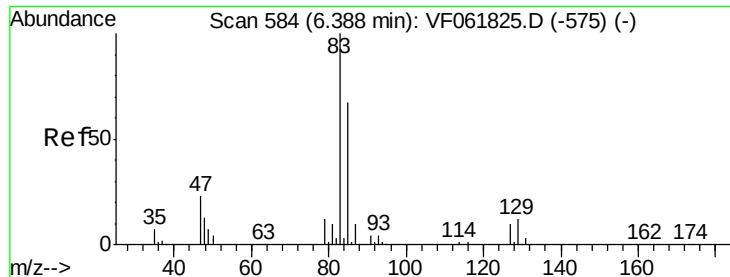


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 50.610 ug/l

RT: 6.38 min Scan# 583

Delta R.T. -0.02 min

Lab File: VF061841.D

Acq: 5 Mar 2019 2:33

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

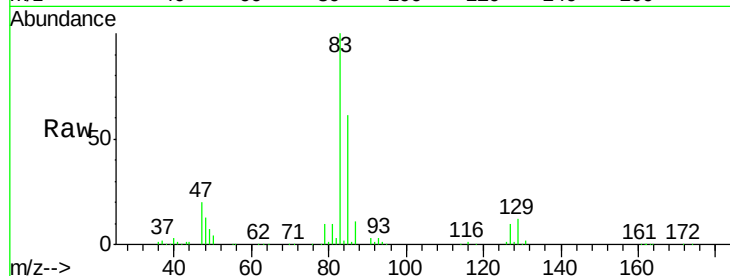
Tot Ion: 83 Resp: 184061

Ion Ratio Lower Upper

83 100

85 61.4 53.4 80.2

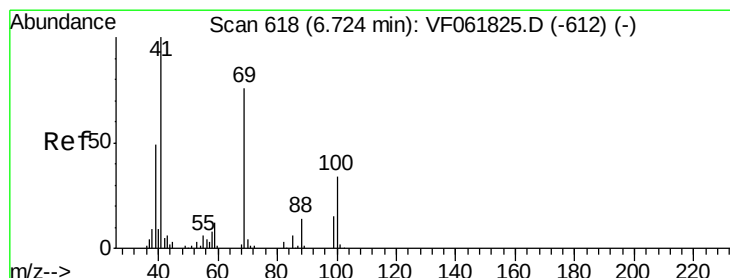
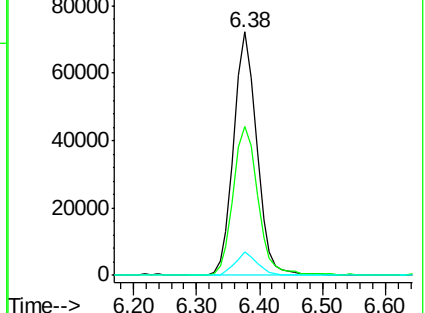
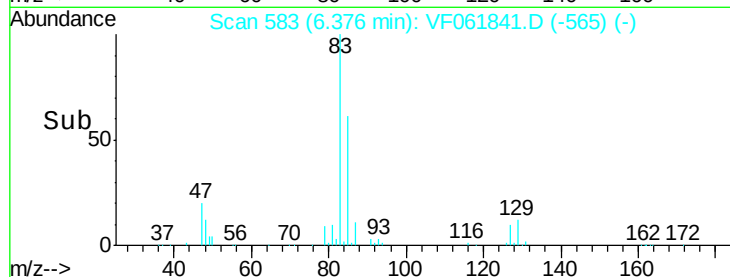
127 9.7 7.5 11.3



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 45.672 ug/l

RT: 6.71 min Scan# 617

Delta R.T. -0.01 min

Lab File: VF061841.D

Acq: 5 Mar 2019 2:33

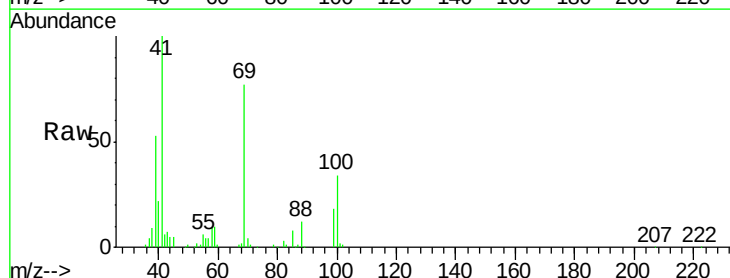
Tgt Ion: 41 Resp: 64468

Ion Ratio Lower Upper

41 100

69 76.6 60.4 90.6

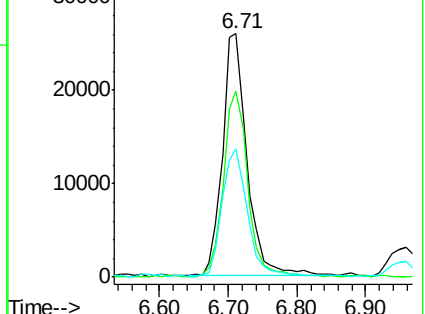
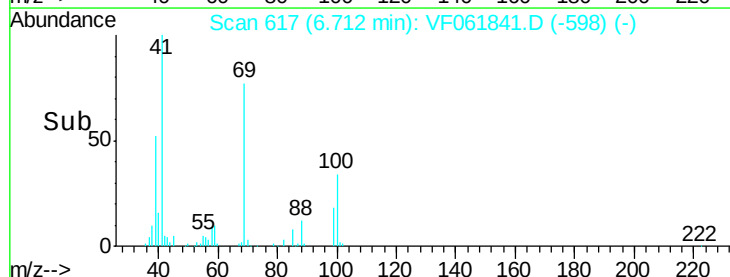
39 52.6 43.7 65.5

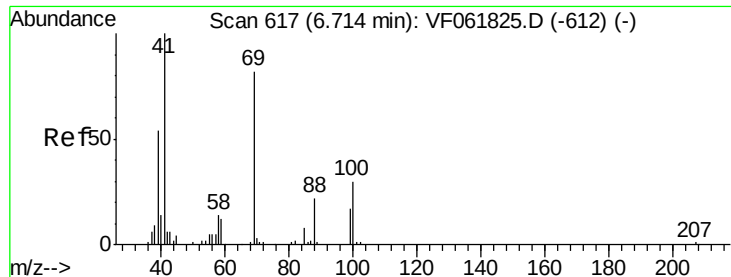


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 889.511 ug/l

RT: 6.69 min Scan# 615

Delta R.T. -0.02 min

Lab File: VF061841.D

Acq: 5 Mar 2019 2:33

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

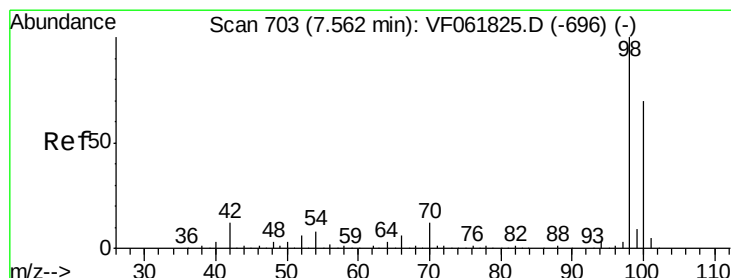
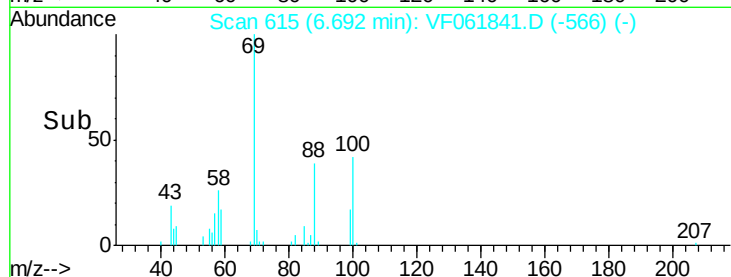
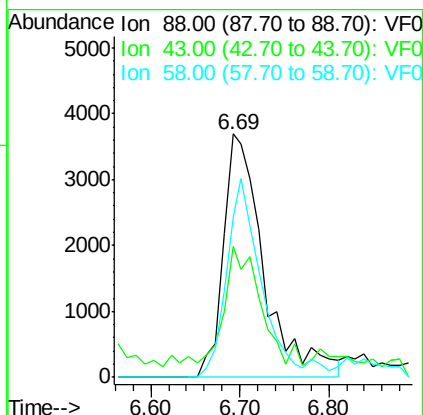
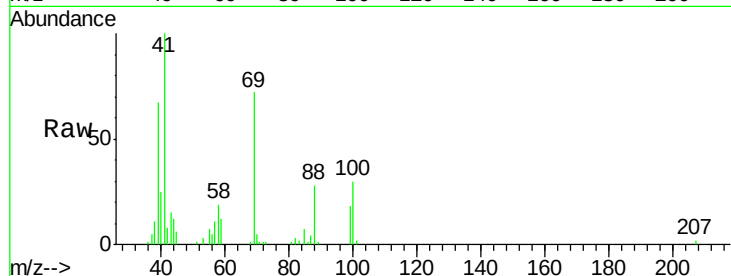
Tot Ion: 88 Resp: 11803

Ion Ratio Lower Upper

88 100

43 53.7 32.3 48.5#

58 66.1 59.4 89.2



#50

Toluene-d8

Concen: 49.820 ug/l

RT: 7.55 min Scan# 702

Delta R.T. -0.01 min

Lab File: VF061841.D

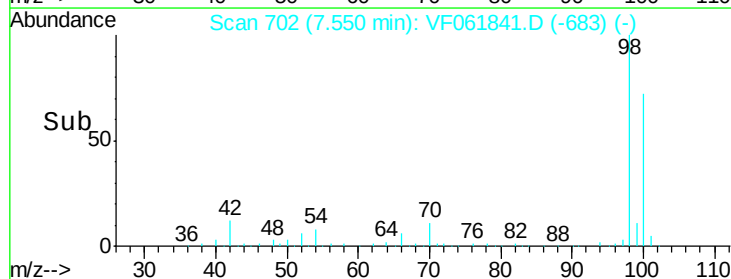
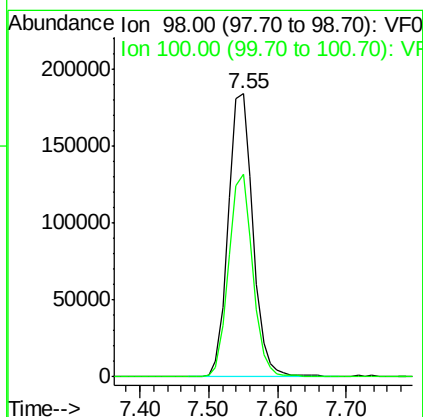
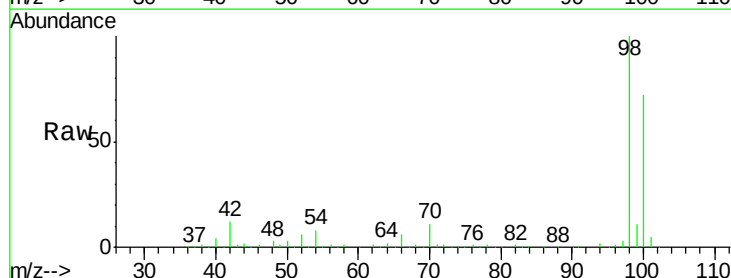
Acq: 5 Mar 2019 2:33

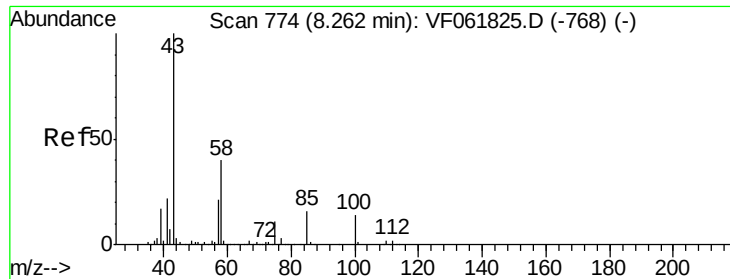
Tgt Ion: 98 Resp: 458032

Ion Ratio Lower Upper

98 100

100 71.6 55.4 83.2





#51

4-Methyl-2-Pentanone

Concen: 211.319 ug/l

RT: 8.25 min Scan# 773

Delta R.T. -0.02 min

Lab File: VF061841.D

Acq: 5 Mar 2019 2:33

Instrument :

MSVOA_F

ClientSampleId :

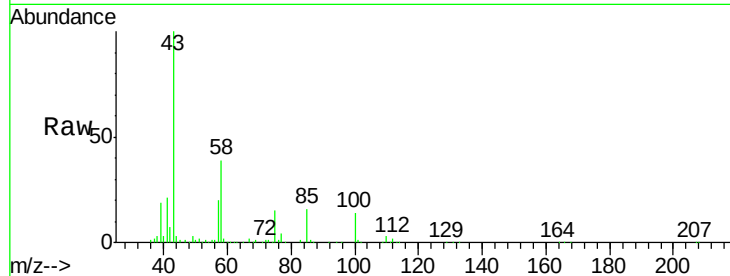
VSTDCCC050EC

Tot Ion: 43 Resp: 354165

Ion Ratio Lower Upper

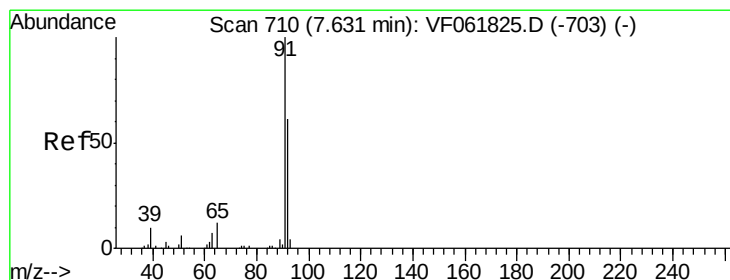
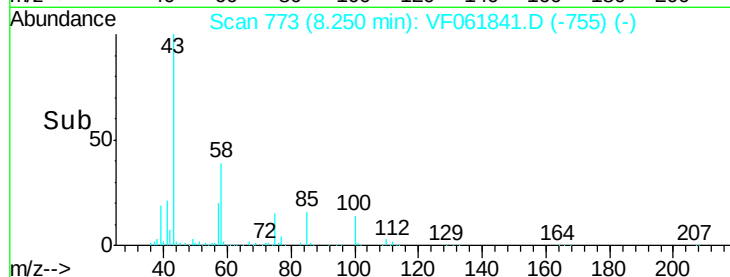
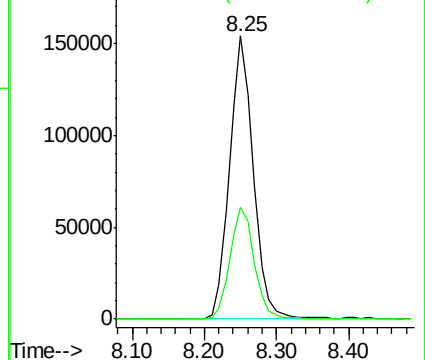
43 100

58 39.5 33.1 49.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 45.250 ug/l

RT: 7.62 min Scan# 709

Delta R.T. -0.01 min

Lab File: VF061841.D

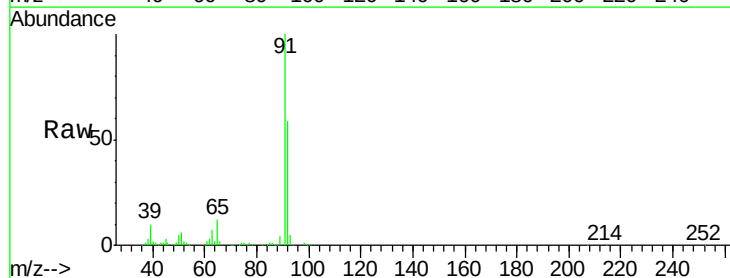
Acq: 5 Mar 2019 2:33

Tgt Ion: 92 Resp: 306241

Ion Ratio Lower Upper

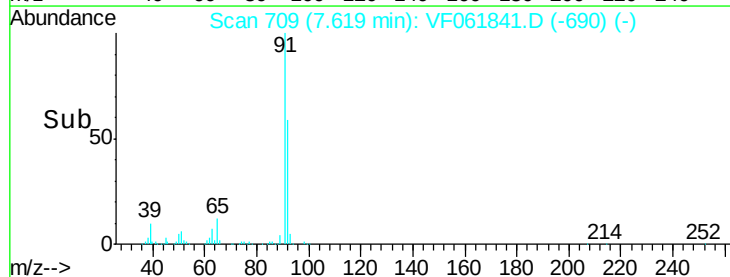
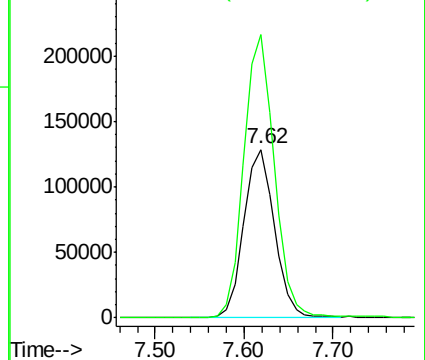
92 100

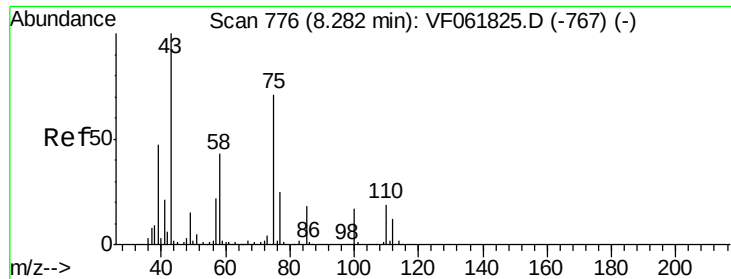
91 168.2 133.9 200.9



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

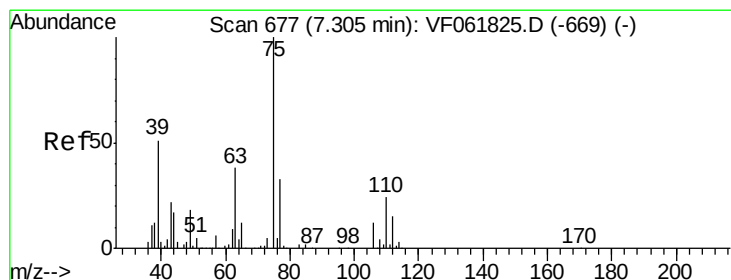
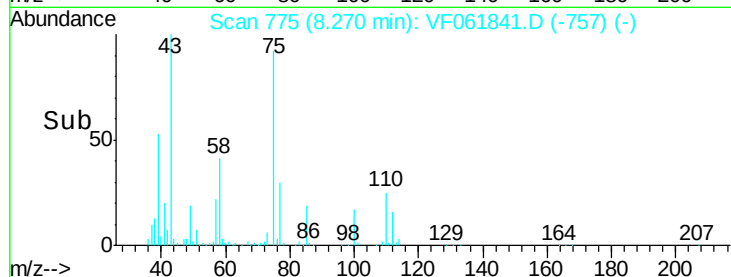
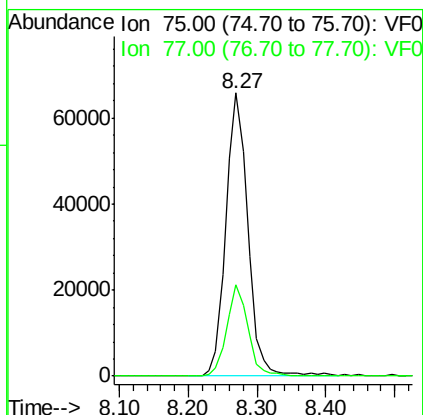
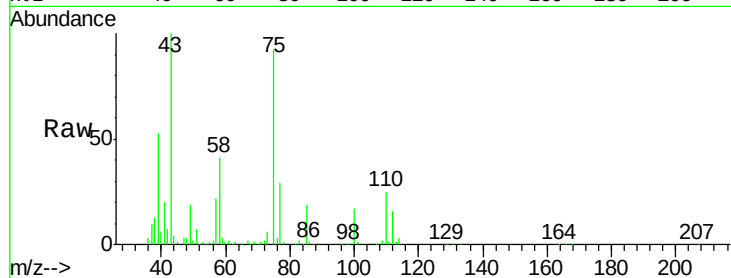




#53
t-1,3-Dichloropropene
Concen: 48.336 ug/l
RT: 8.27 min Scan# 775
Delta R.T. -0.02 min
Lab File: VF061841.D
Acq: 5 Mar 2019 2:33

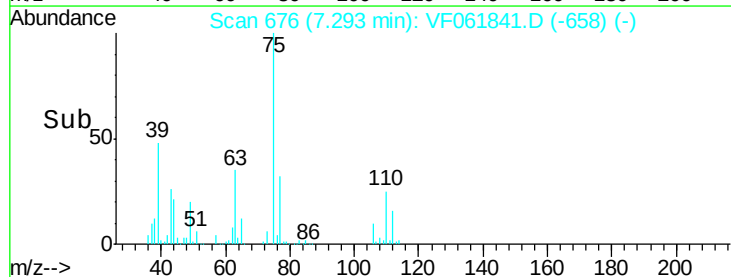
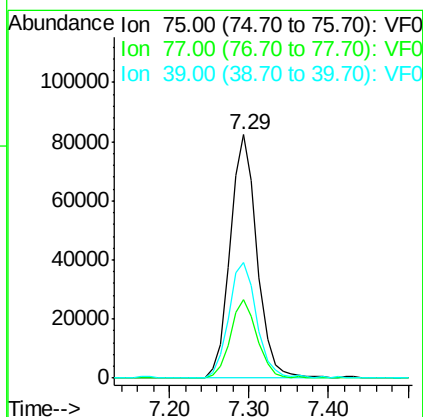
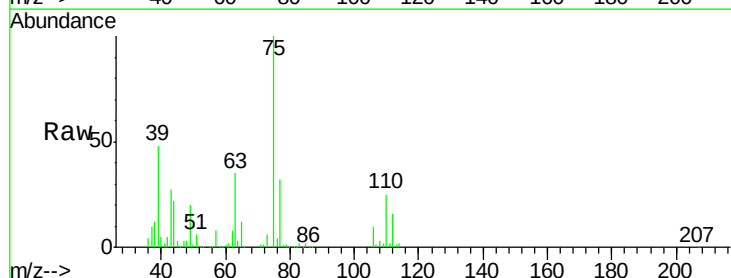
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

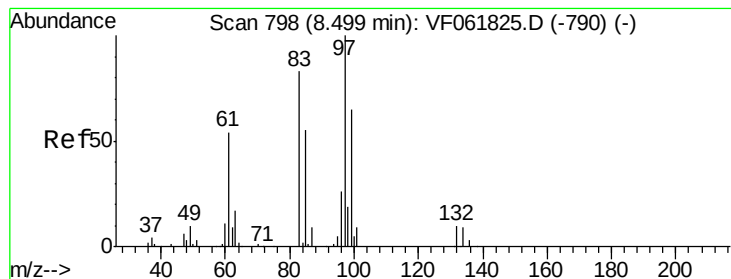
Tot Ion: 75 Resp: 146307
Ion Ratio Lower Upper
75 100
77 32.2 26.2 39.2



#54
cis-1,3-Dichloropropene
Concen: 48.269 ug/l
RT: 7.29 min Scan# 676
Delta R.T. -0.02 min
Lab File: VF061841.D
Acq: 5 Mar 2019 2:33

Tgt Ion: 75 Resp: 194609
Ion Ratio Lower Upper
75 100
77 32.1 26.4 39.6
39 47.6 36.0 54.0





#55

1,1,2-Trichloroethane

Concen: 47.317 ug/l

RT: 8.48 min Scan# 796

Delta R.T. -0.02 min

Lab File: VF061841.D

Acq: 5 Mar 2019 2:33

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 94087

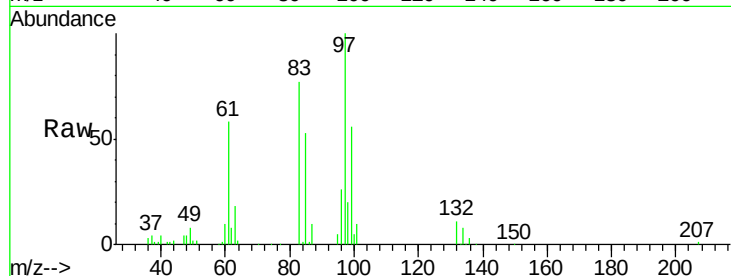
Ion Ratio Lower Upper

97 100

83 77.4 69.2 103.8

85 53.3 43.0 64.4

99 56.2 47.2 70.8

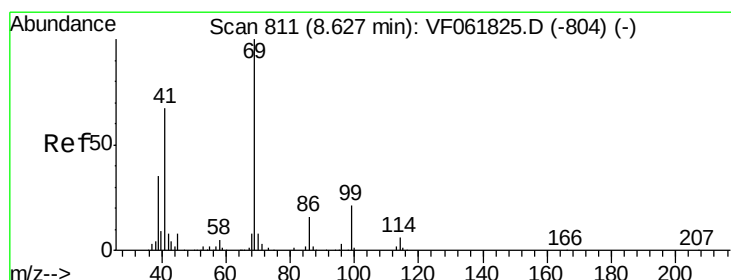
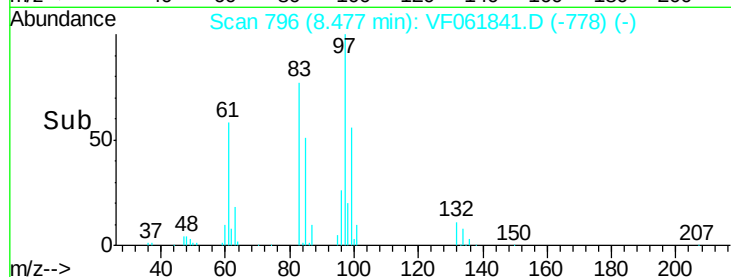
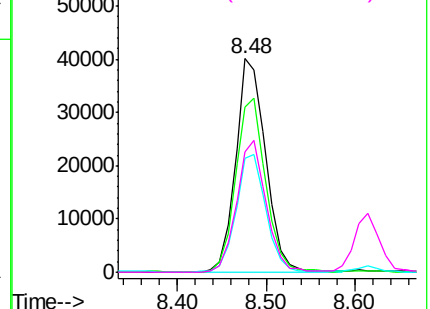


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 46.823 ug/l

RT: 8.61 min Scan# 810

Delta R.T. -0.01 min

Lab File: VF061841.D

Acq: 5 Mar 2019 2:33

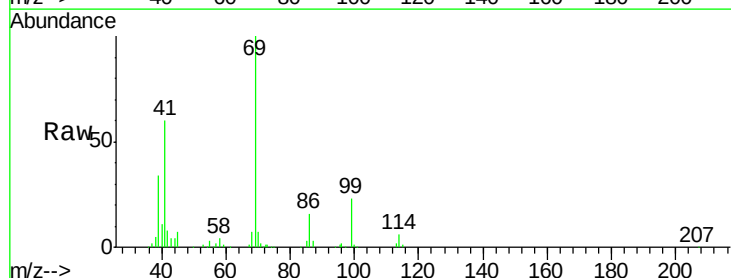
Tgt Ion: 69 Resp: 103658

Ion Ratio Lower Upper

69 100

41 60.0 52.9 79.3

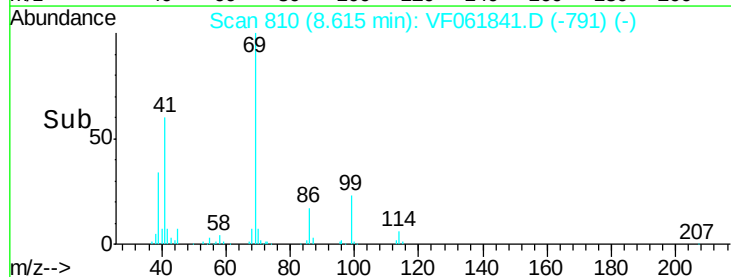
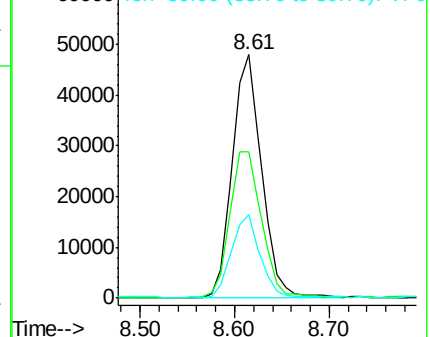
39 34.2 24.5 36.7

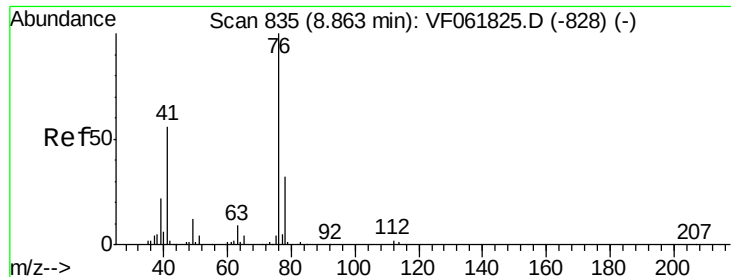


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 46.407 ug/l

RT: 8.84 min Scan# 833

Delta R.T. -0.02 min

Lab File: VF061841.D

Acq: 5 Mar 2019 2:33

Instrument :

MSVOA_F

ClientSampleId :

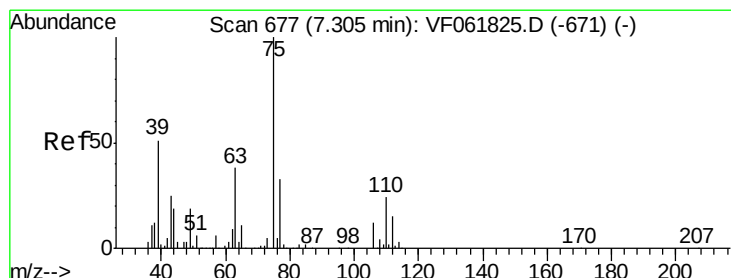
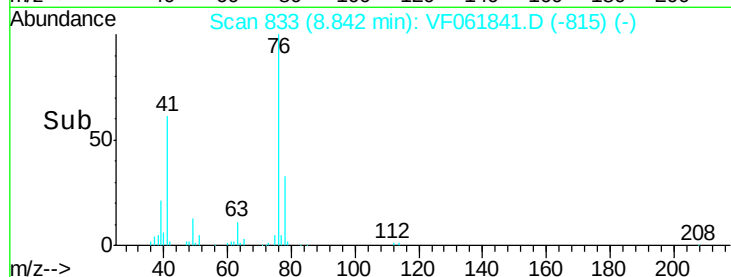
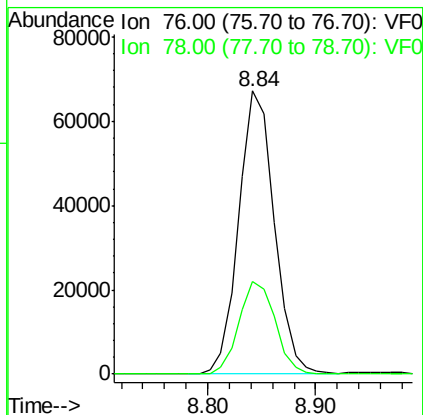
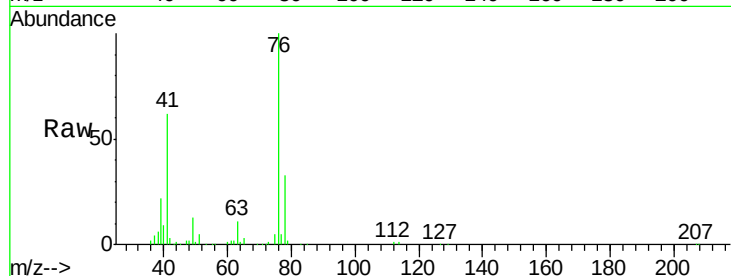
VSTDCCC050EC

Tot Ion: 76 Resp: 154022

Ion Ratio Lower Upper

76 100

78 32.9 27.8 41.6



#58

2-Chloroethyl Vinyl ether

Concen: 195.239 ug/l

RT: 7.28 min Scan# 675

Delta R.T. -0.02 min

Lab File: VF061841.D

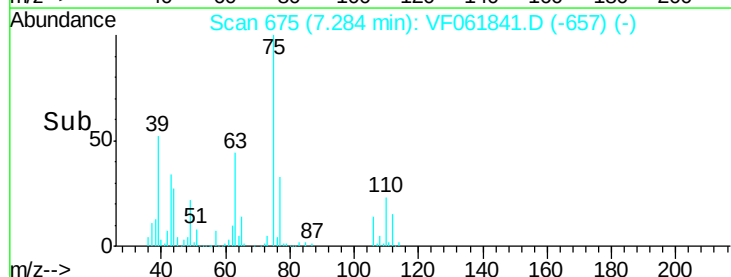
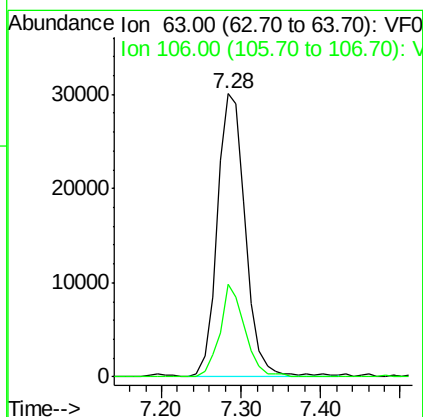
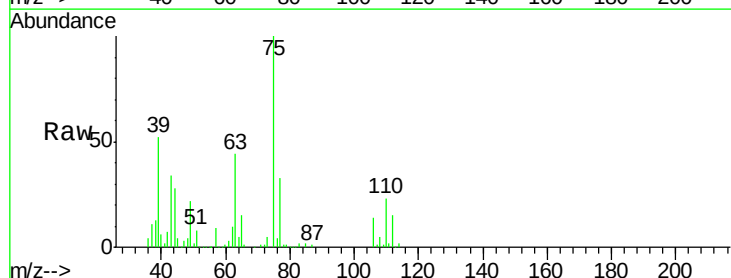
Acq: 5 Mar 2019 2:33

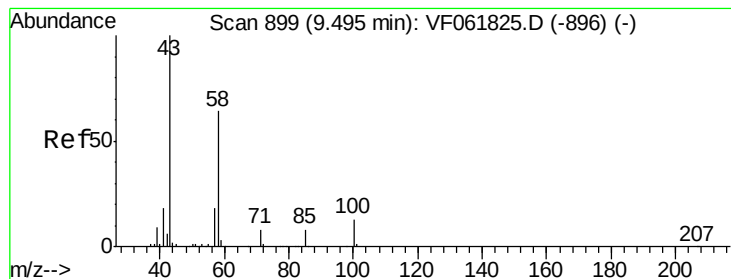
Tgt Ion: 63 Resp: 74575

Ion Ratio Lower Upper

63 100

106 32.7 24.6 36.8





#59

2-Hexanone

Concen: 201.962 ug/l

RT: 9.48 min Scan# 898

Delta R.T. -0.02 min

Lab File: VF061841.D

Acq: 5 Mar 2019 2:33

Instrument :

MSVOA_F

ClientSampleId :

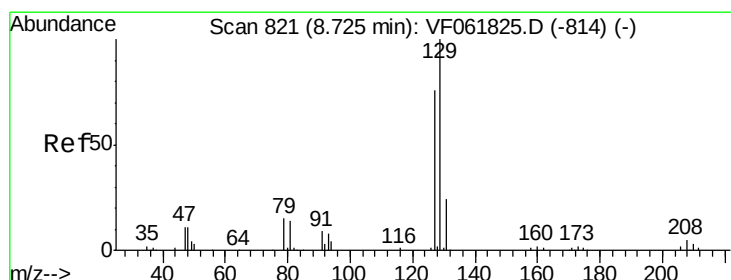
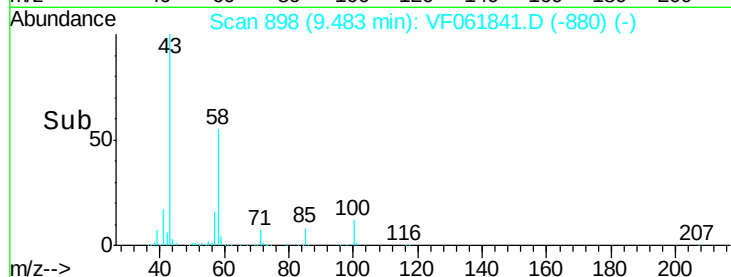
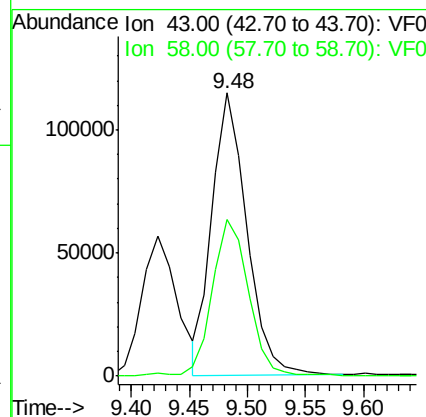
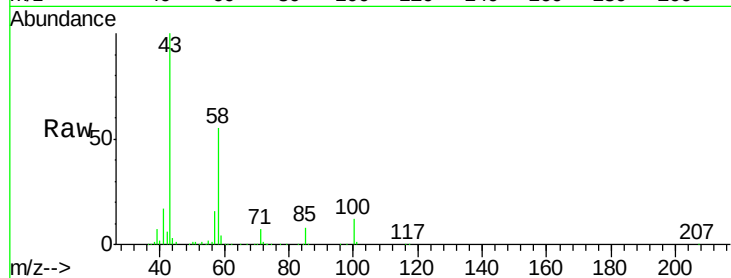
VSTDCCC050EC

Tot Ion: 43 Resp: 237268

Ion Ratio Lower Upper

43 100

58 55.2 28.5 85.5



#60

Dibromochloromethane

Concen: 47.710 ug/l

RT: 8.71 min Scan# 820

Delta R.T. -0.01 min

Lab File: VF061841.D

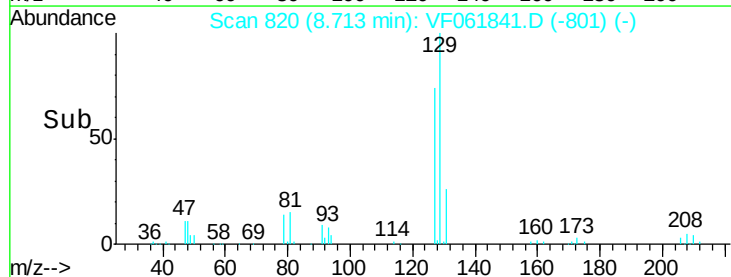
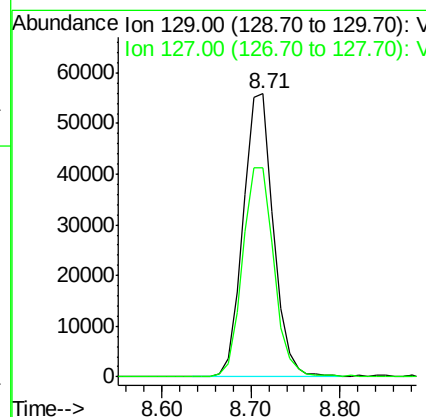
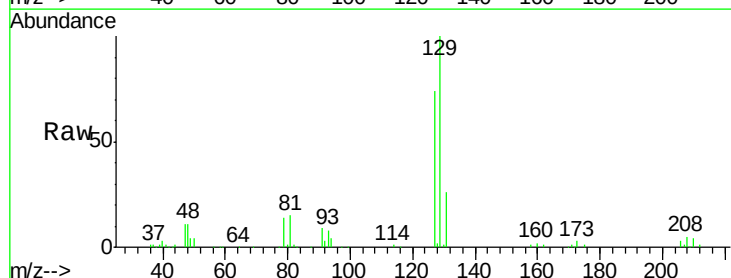
Acq: 5 Mar 2019 2:33

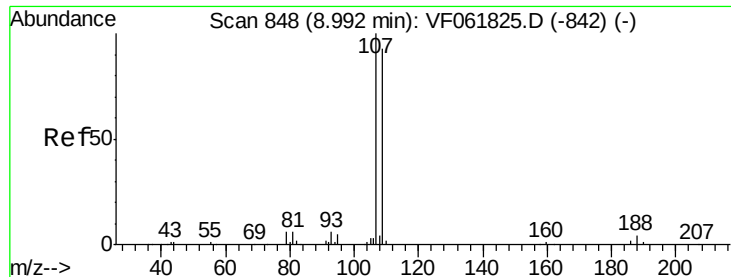
Tgt Ion: 129 Resp: 132044

Ion Ratio Lower Upper

129 100

127 73.9 37.8 113.4





#61

1,2-Dibromoethane

Concen: 45.530 ug/l

RT: 8.98 min Scan# 847

Delta R.T. -0.02 min

Lab File: VF061841.D

Acq: 5 Mar 2019 2:33

Instrument :

MSVOA_F

ClientSampleId :

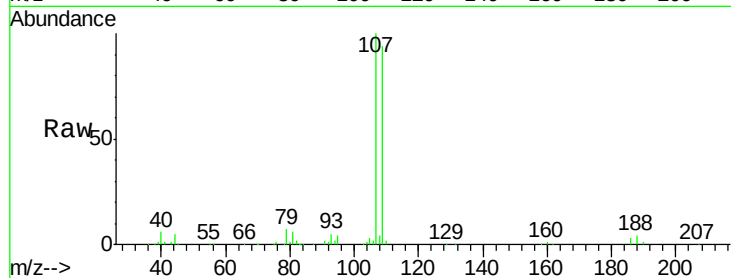
VSTDCCC050EC

Tot Ion:107 Resp: 98196

Ion Ratio Lower Upper

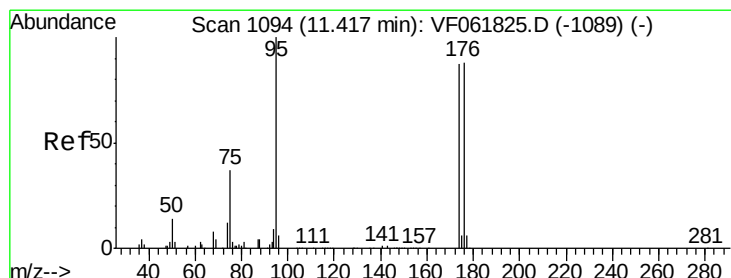
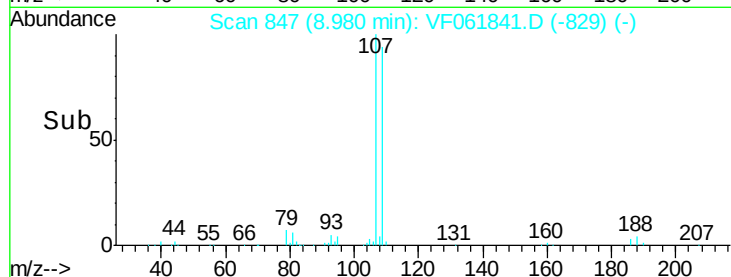
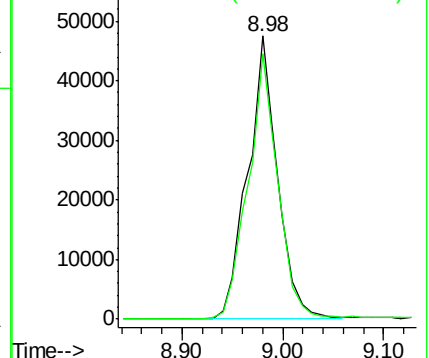
107 100

109 93.9 77.4 116.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 48.687 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.01 min

Lab File: VF061841.D

Acq: 5 Mar 2019 2:33

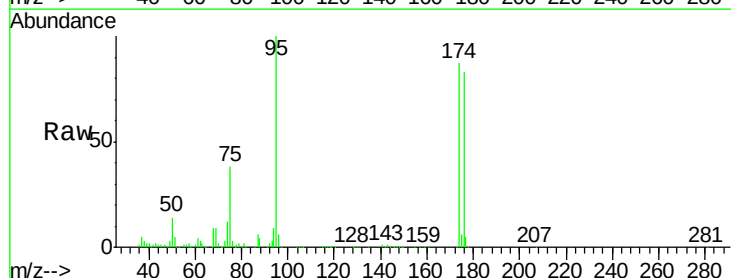
Tgt Ion: 95 Resp: 181114

Ion Ratio Lower Upper

95 100

174 86.7 0.0 165.8

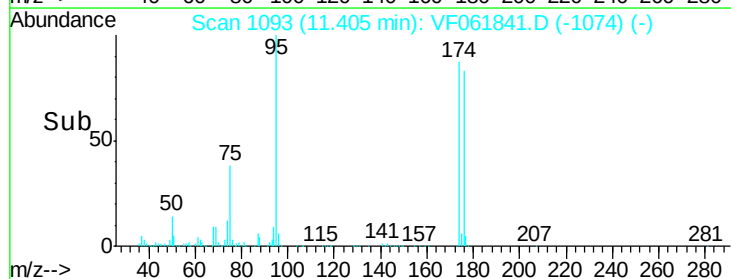
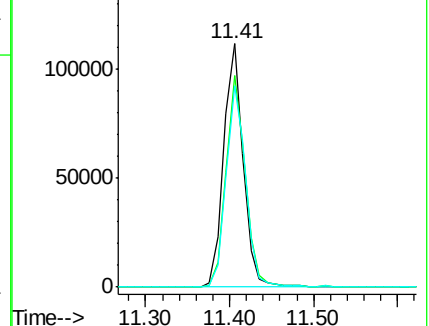
176 82.7 0.0 167.0

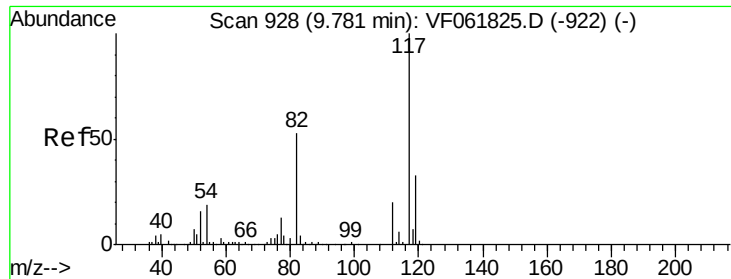


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

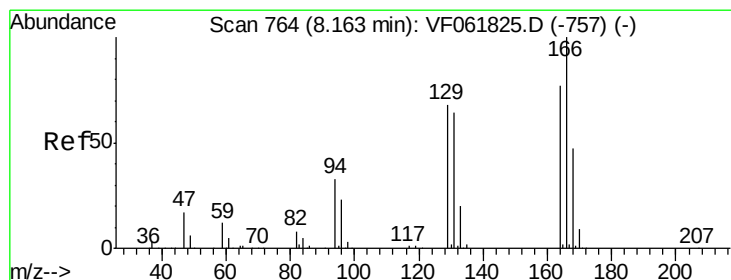
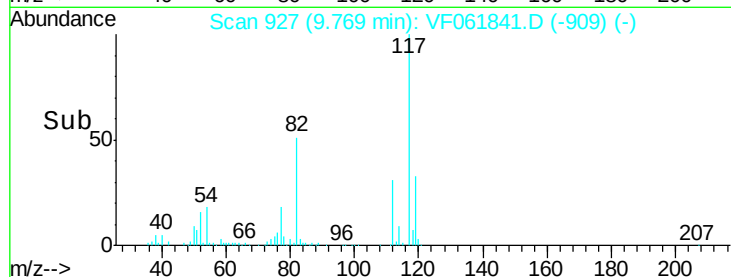
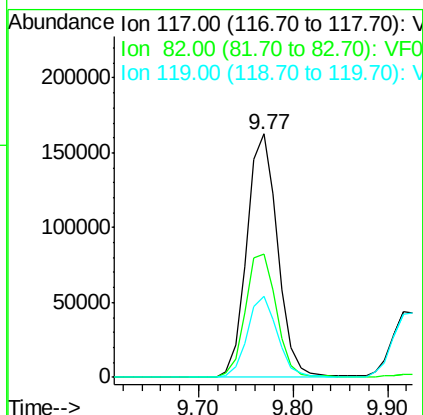
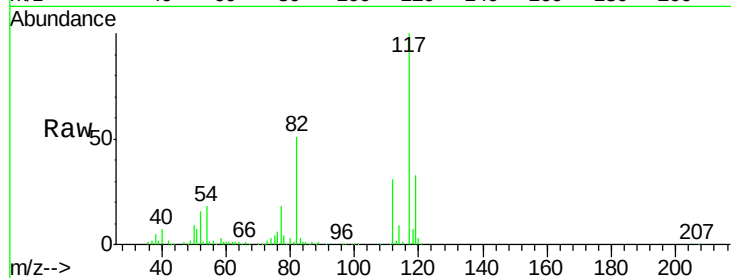




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. -0.02 min
Lab File: VF061841.D
Acq: 5 Mar 2019 2:33

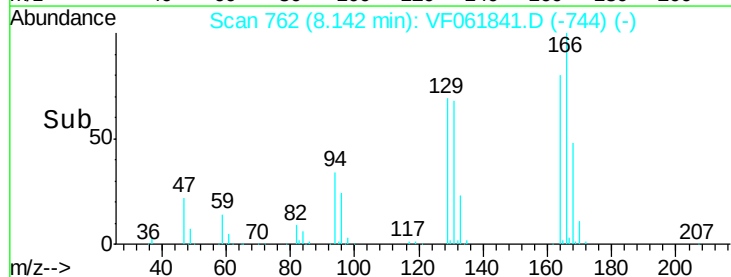
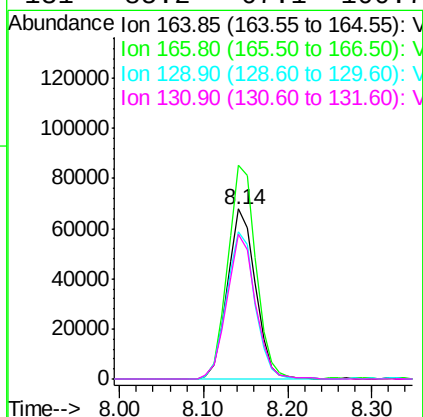
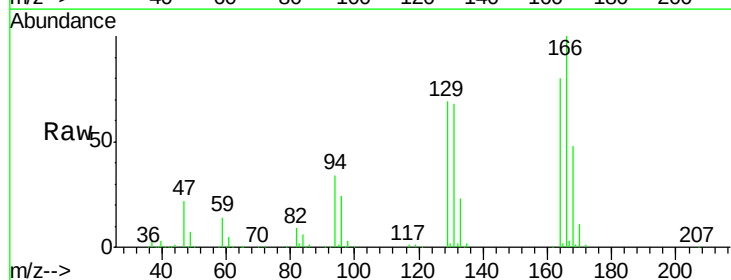
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

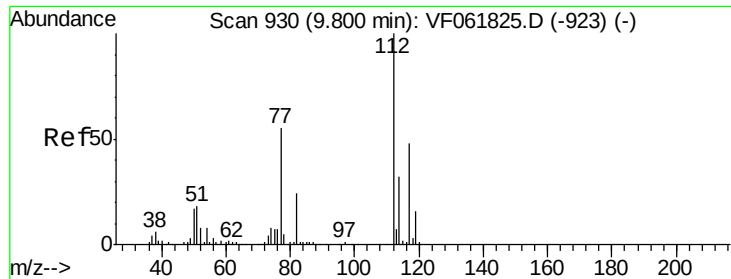
Tot Ion:117 Resp: 367174
Ion Ratio Lower Upper
117 100
82 50.8 39.3 58.9
119 33.2 26.6 40.0



#64
Tetrachloroethene
Concen: 52.448 ug/l
RT: 8.14 min Scan# 762
Delta R.T. -0.02 min
Lab File: VF061841.D
Acq: 5 Mar 2019 2:33

Tgt Ion:164 Resp: 157408
Ion Ratio Lower Upper
164 100
166 125.8 103.9 155.9
129 86.9 71.3 106.9
131 85.2 67.1 100.7

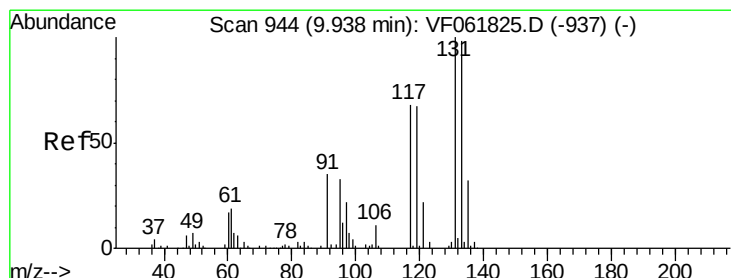
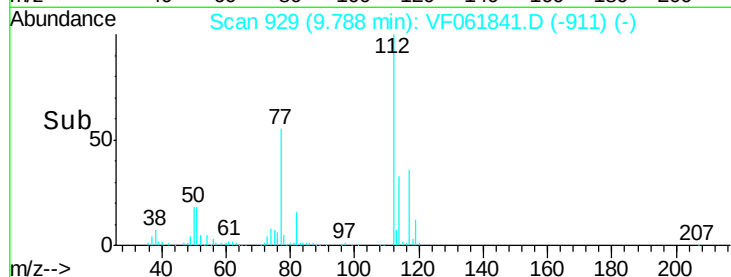
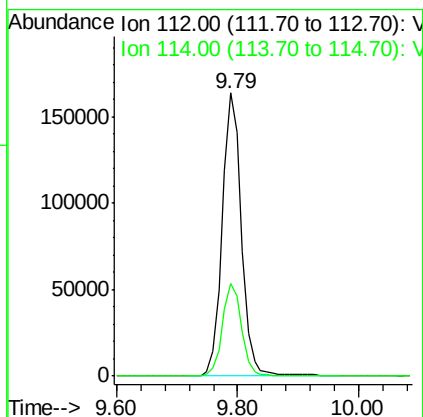
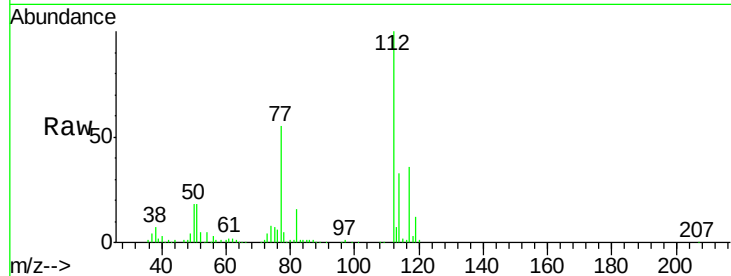




#65
Chlorobenzene
Concen: 48.444 ug/l
RT: 9.79 min Scan# 929
Delta R.T. -0.02 min
Lab File: VF061841.D
Acq: 5 Mar 2019 2:33

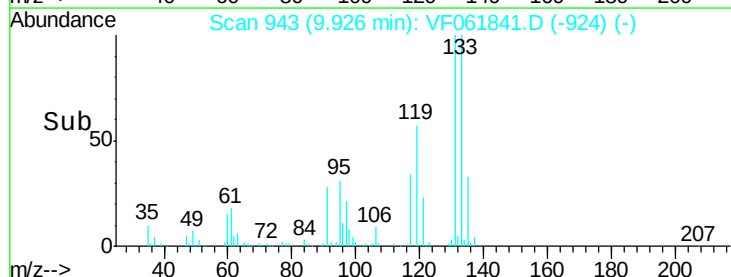
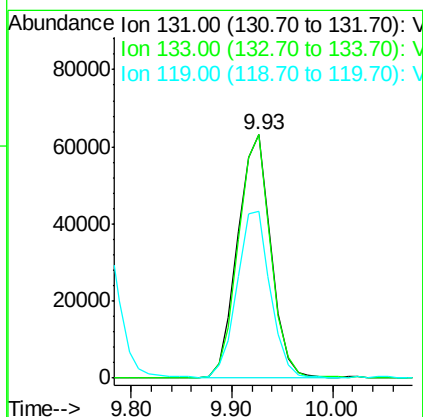
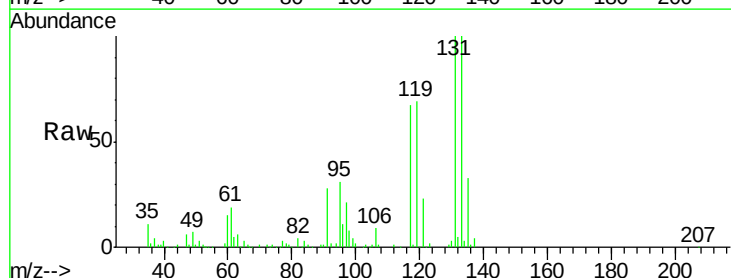
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

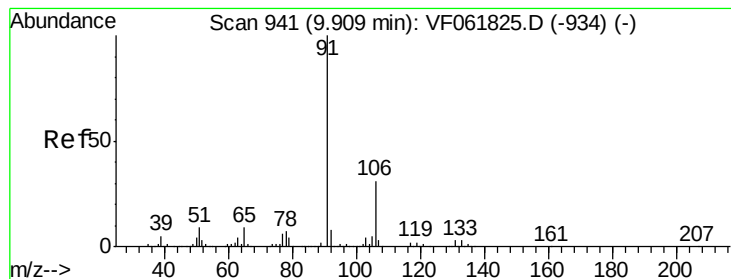
Tot Ion:112 Resp: 360948
Ion Ratio Lower Upper
112 100
114 32.7 26.2 39.2



#66
1,1,1,2-Tetrachloroethane
Concen: 49.716 ug/l
RT: 9.93 min Scan# 943
Delta R.T. -0.01 min
Lab File: VF061841.D
Acq: 5 Mar 2019 2:33

Tgt Ion:131 Resp: 145151
Ion Ratio Lower Upper
131 100
133 100.0 48.9 146.6
119 68.7 34.8 104.3





#67

Ethyl Benzene

Concen: 49.776 ug/l

RT: 9.89 min Scan# 939

Delta R.T. -0.02 min

Lab File: VF061841.D

Acq: 5 Mar 2019 2:33

Instrument :

MSVOA_F

ClientSampleId :

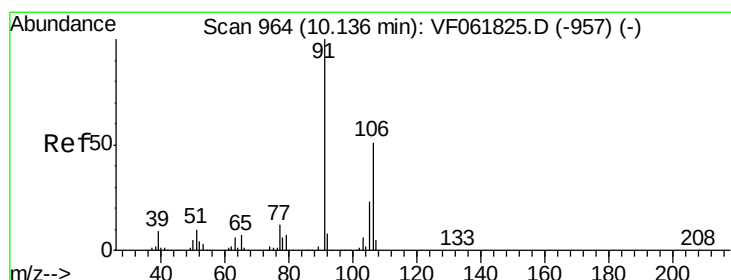
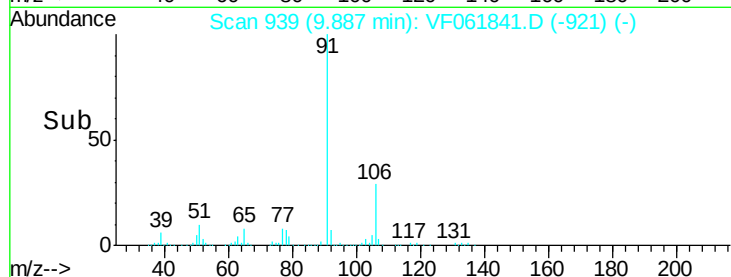
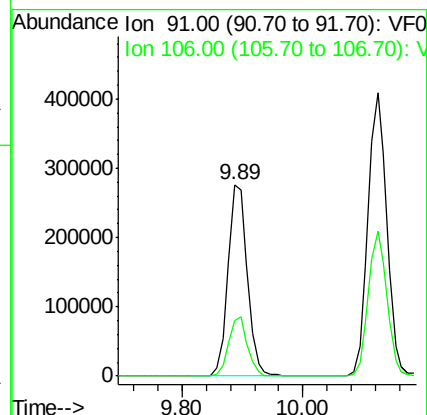
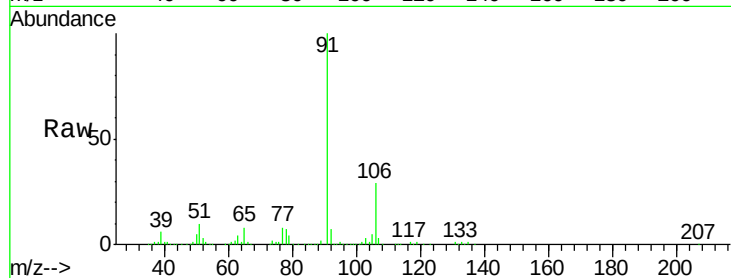
VSTDCCC050EC

Tot Ion: 91 Resp: 616757

Ion Ratio Lower Upper

91 100

106 29.2 24.1 36.1



#68

m/p-Xylenes

Concen: 95.374 ug/l

RT: 10.12 min Scan# 963

Delta R.T. -0.02 min

Lab File: VF061841.D

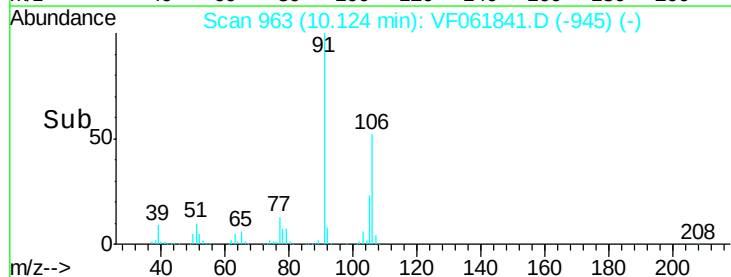
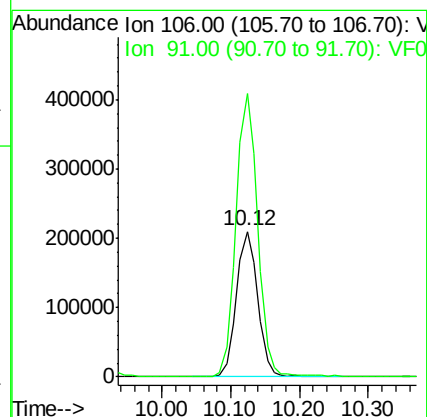
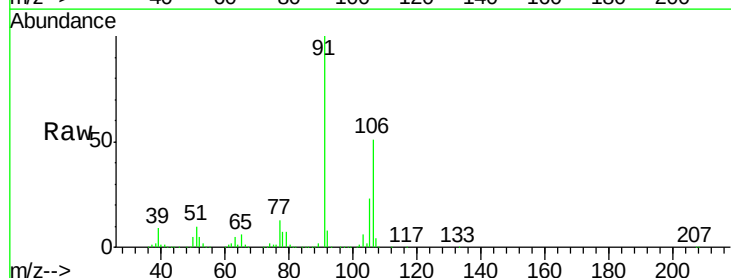
Acq: 5 Mar 2019 2:33

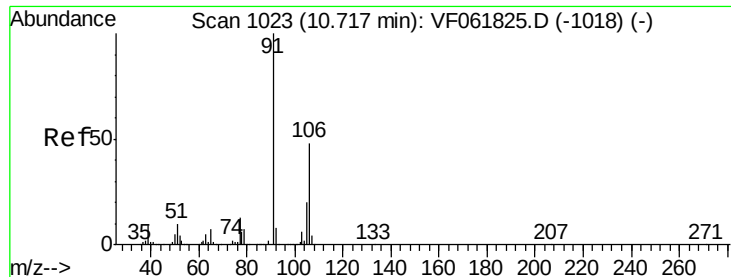
Tgt Ion: 106 Resp: 452266

Ion Ratio Lower Upper

106 100

91 194.4 153.0 229.6

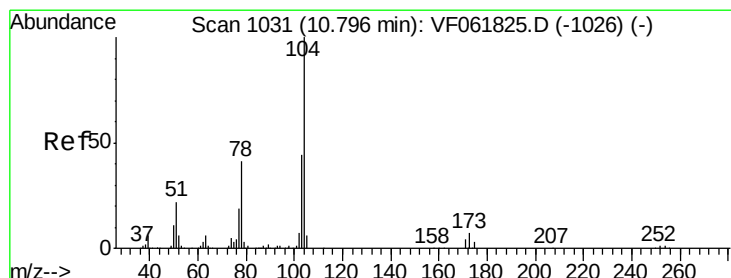
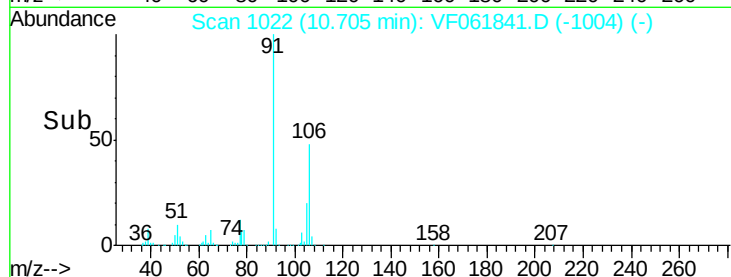
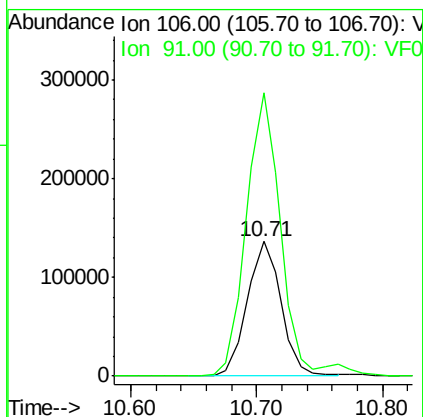
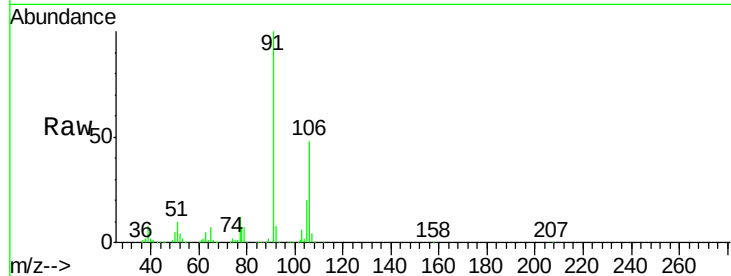




#69
o-Xylene
Concen: 50.419 ug/l
RT: 10.71 min Scan# 1022
Delta R.T. -0.02 min
Lab File: VF061841.D
Acq: 5 Mar 2019 2:33

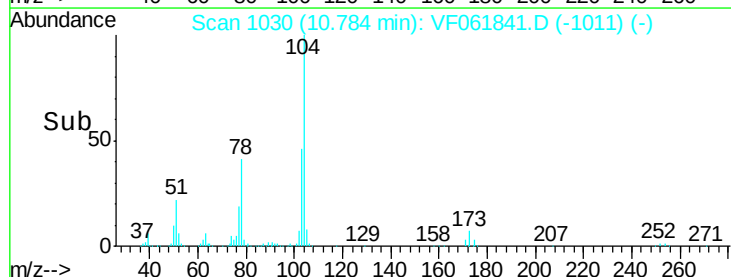
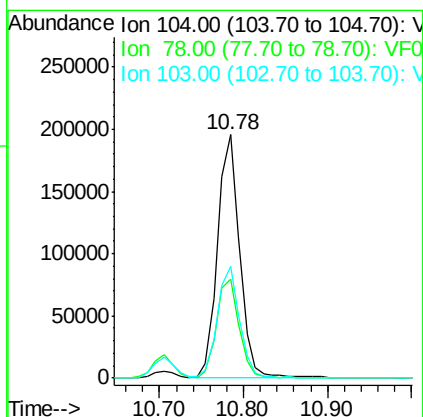
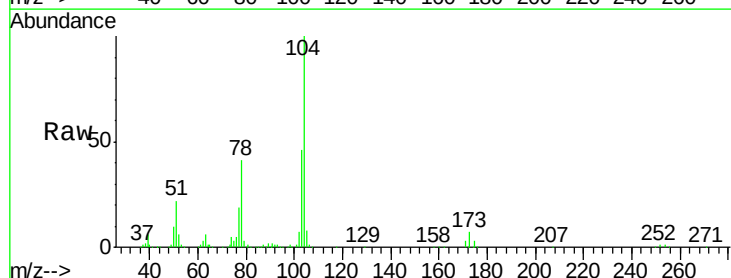
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

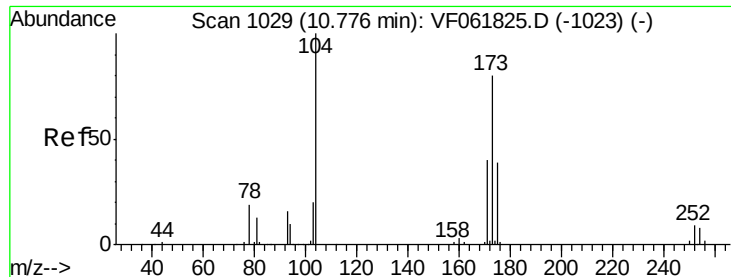
Tot Ion:106 Resp: 255121
Ion Ratio Lower Upper
106 100
91 209.9 100.1 300.1



#70
Styrene
Concen: 49.693 ug/l
RT: 10.78 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VF061841.D
Acq: 5 Mar 2019 2:33

Tgt Ion:104 Resp: 355718
Ion Ratio Lower Upper
104 100
78 40.8 33.2 49.8
103 46.0 37.2 55.8





#71

Bromoform

Concen: 48.349 ug/l

RT: 10.76 min Scan# 1028

Delta R.T. -0.02 min

Lab File: VF061841.D

Acq: 5 Mar 2019 2:33

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

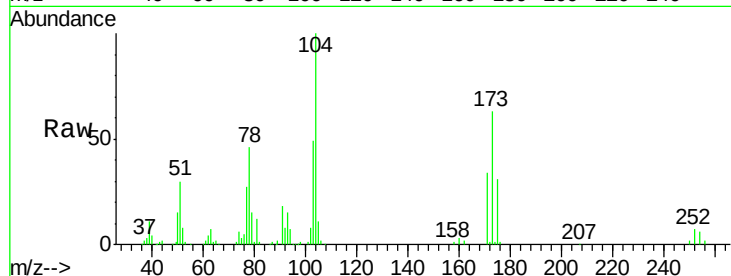
Tot Ion:173 Resp: 76653

Ion Ratio Lower Upper

173 100

175 49.7 24.0 72.0

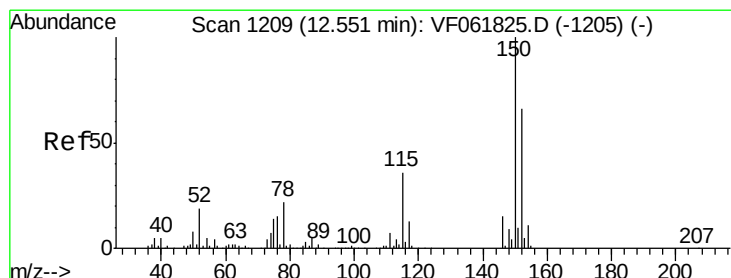
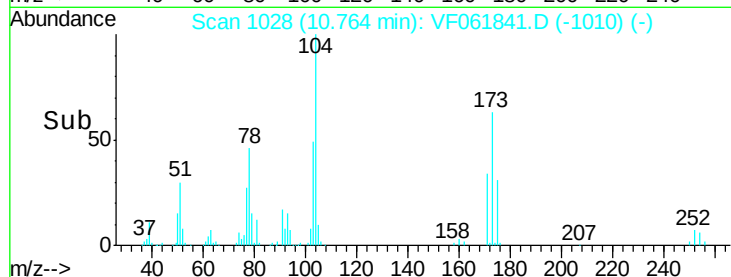
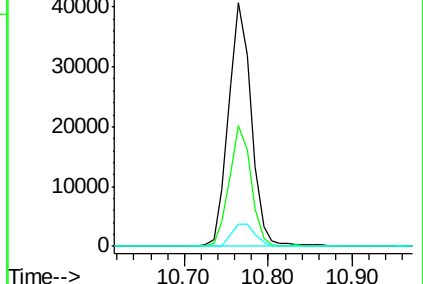
254 9.2 8.2 12.2



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.55 min Scan# 1209

Delta R.T. -0.01 min

Lab File: VF061841.D

Acq: 5 Mar 2019 2:33

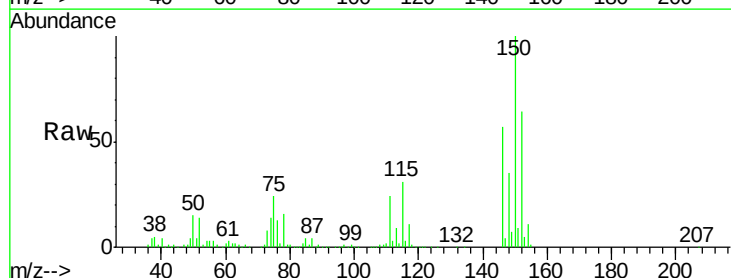
Tgt Ion:152 Resp: 201068

Ion Ratio Lower Upper

152 100

115 48.5 24.3 72.8

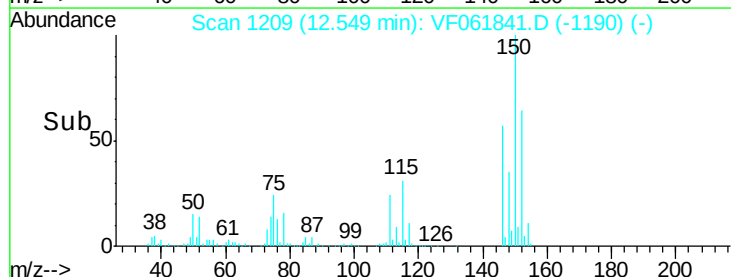
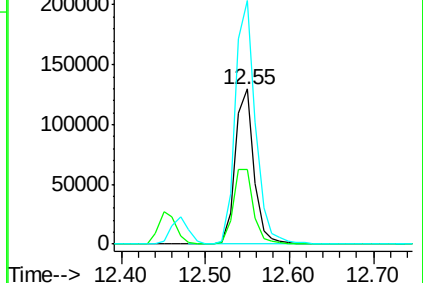
150 157.0 0.0 312.0

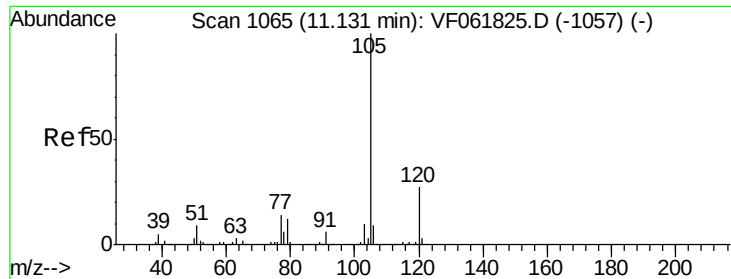


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 50.156 ug/l

RT: 11.12 min Scan# 1064

Delta R.T. -0.01 min

Lab File: VF061841.D

Acq: 5 Mar 2019 2:33

Instrument :

MSVOA_F

ClientSampleId :

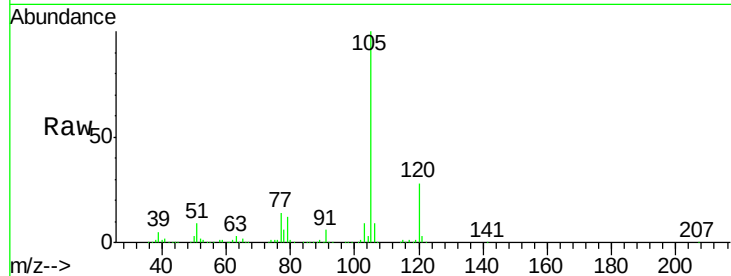
VSTDCCC050EC

Tot Ion:105 Resp: 718018

Ion Ratio Lower Upper

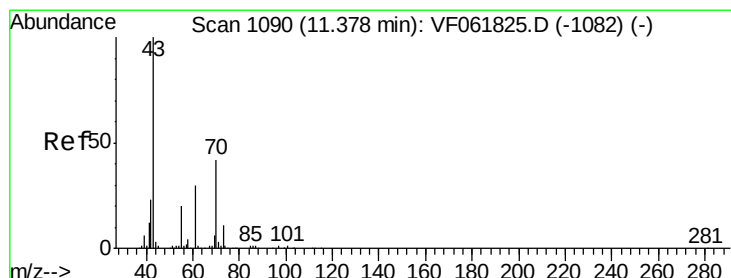
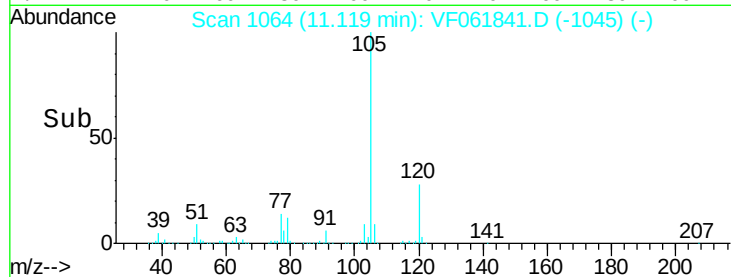
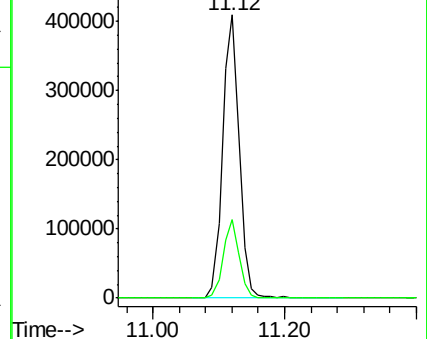
105 100

120 27.9 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 46.785 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VF061841.D

Acq: 5 Mar 2019 2:33

Tgt Ion: 43 Resp: 160760

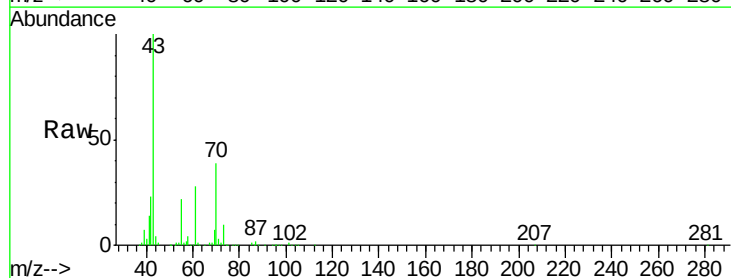
Ion Ratio Lower Upper

43 100

70 39.5 31.5 47.3

55 22.3 16.7 25.1

61 27.9 23.0 34.6

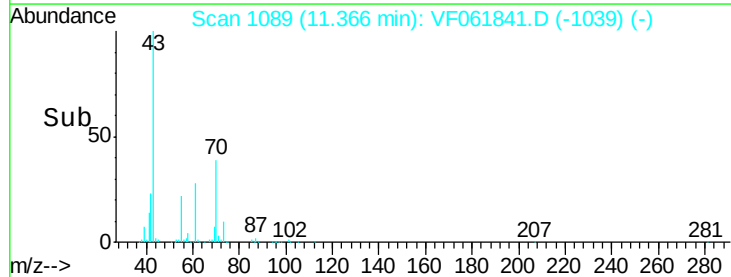
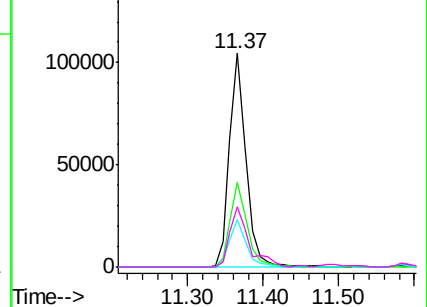


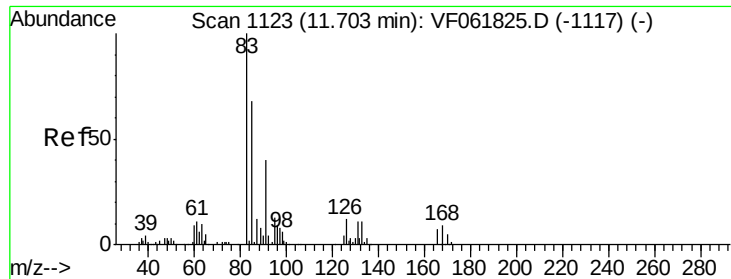
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 45.340 ug/l

RT: 11.69 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VF061841.D

Acq: 5 Mar 2019 2:33

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

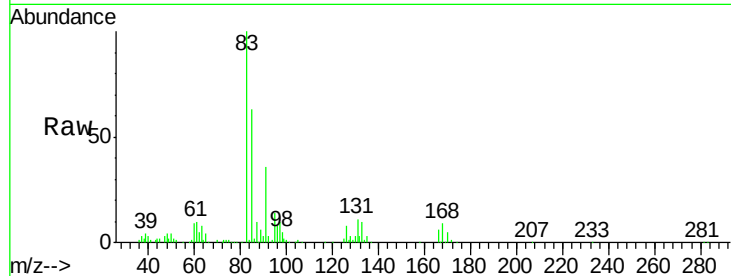
Tot Ion: 83 Resp: 116283

Ion Ratio Lower Upper

83 100

131 11.0 4.4 13.2

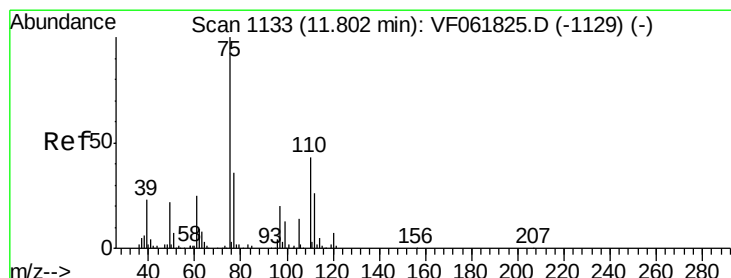
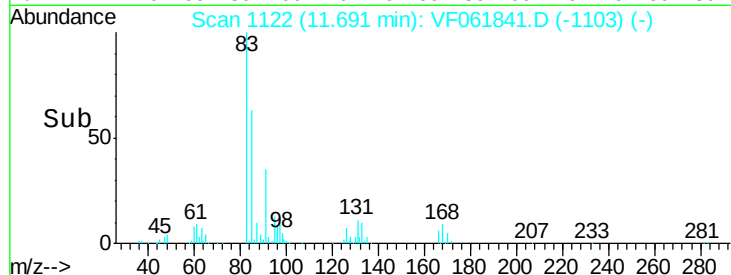
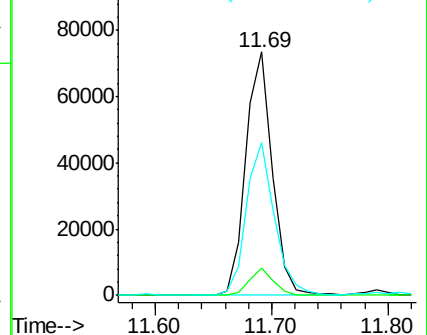
85 62.8 31.5 94.5



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): VF0

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 46.587 ug/l

RT: 11.79 min Scan# 1132

Delta R.T. -0.01 min

Lab File: VF061841.D

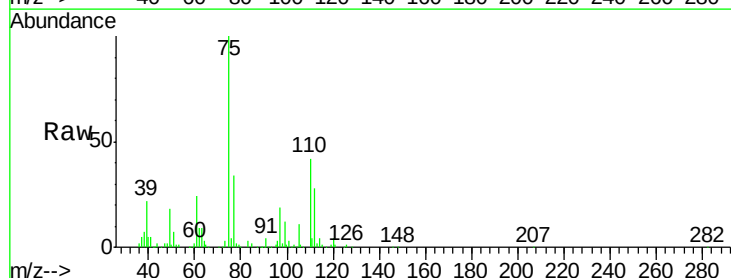
Acq: 5 Mar 2019 2:33

Tgt Ion: 75 Resp: 81234

Ion Ratio Lower Upper

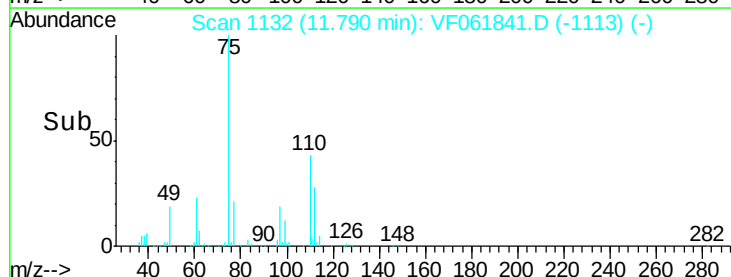
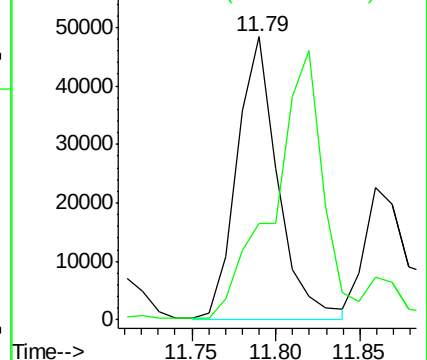
75 100

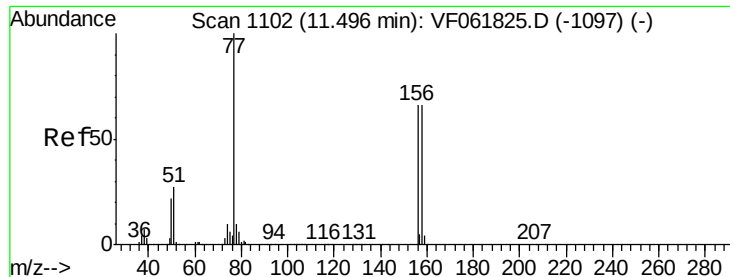
77 34.1 16.6 49.7



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 46.660 ug/l

RT: 11.48 min Scan# 1101

Delta R.T. -0.02 min

Lab File: VF061841.D

Acq: 5 Mar 2019 2:33

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

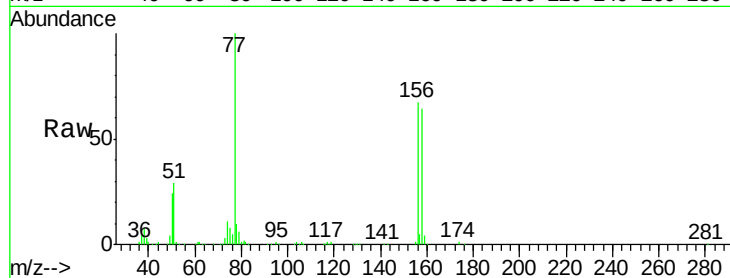
Tot Ion:156 Resp: 165017

Ion Ratio Lower Upper

156 100

77 149.8 64.3 192.7

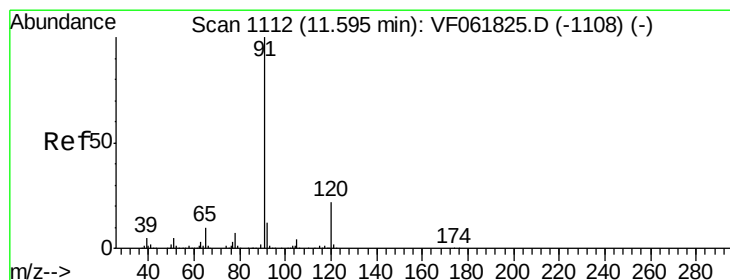
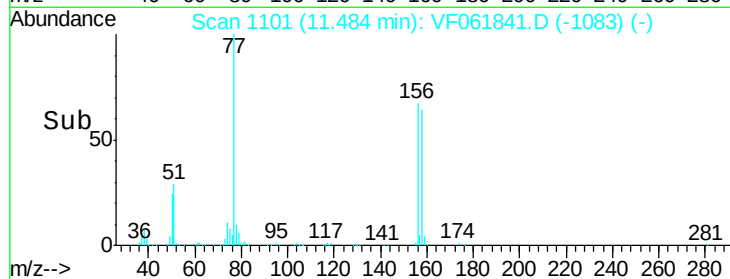
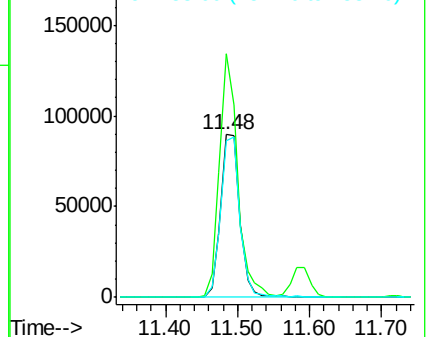
158 96.0 50.9 152.7



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 47.136 ug/l

RT: 11.58 min Scan# 1111

Delta R.T. -0.02 min

Lab File: VF061841.D

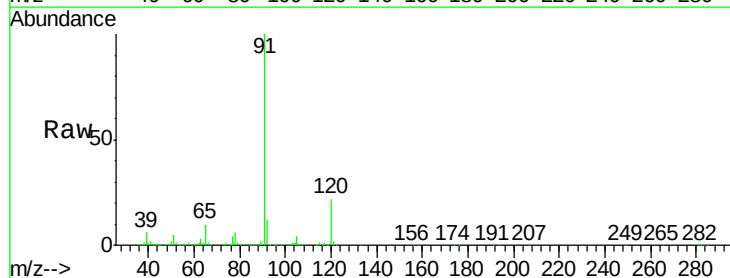
Acq: 5 Mar 2019 2:33

Tgt Ion: 91 Resp: 774336

Ion Ratio Lower Upper

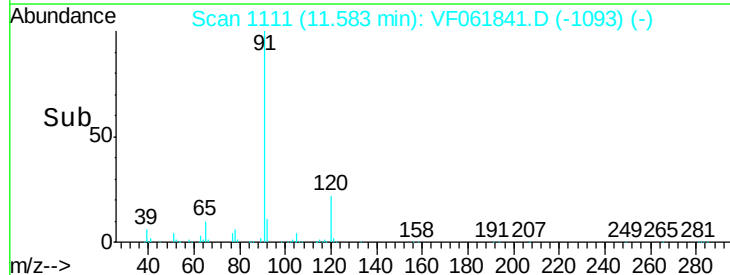
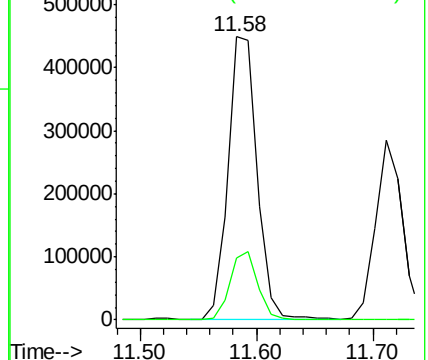
91 100

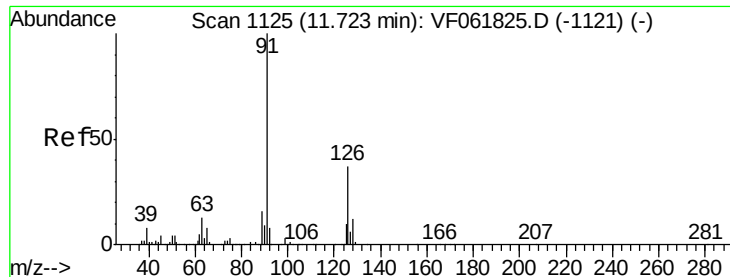
120 22.1 12.1 36.3



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

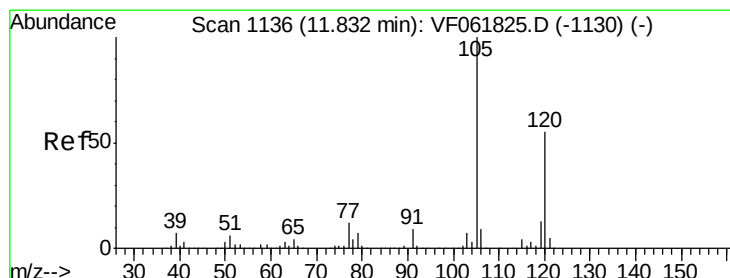
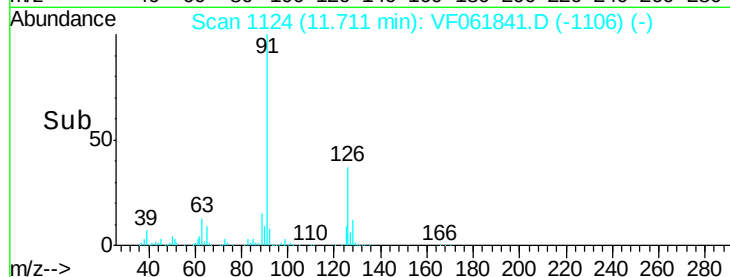
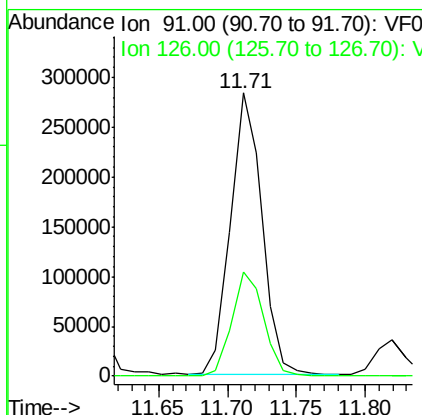
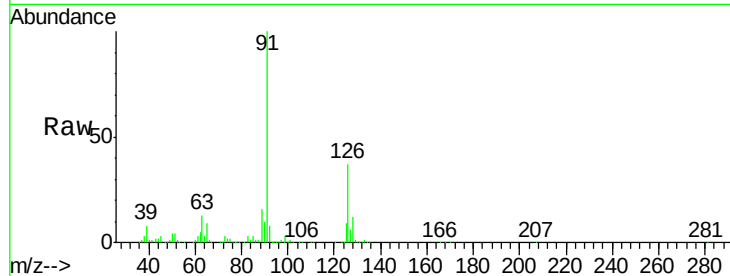




#79
 2-Chlorotoluene
 Concen: 48.992 ug/l
 RT: 11.71 min Scan# 1124
 Delta R.T. -0.02 min
 Lab File: VF061841.D
 Acq: 5 Mar 2019 2:33

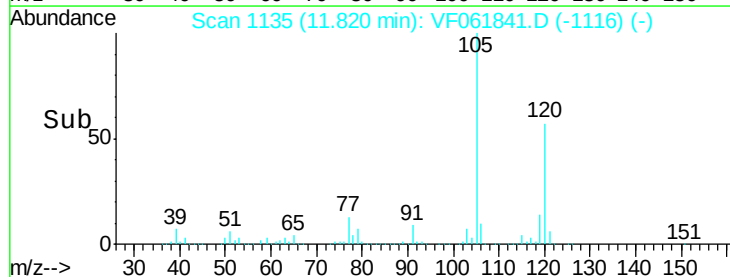
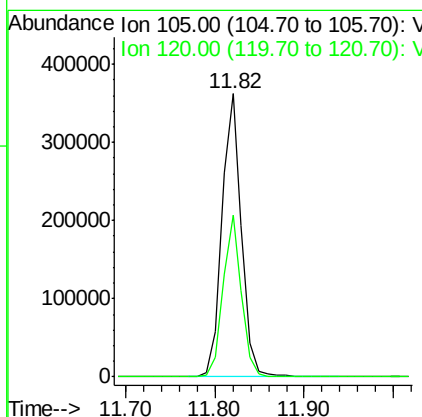
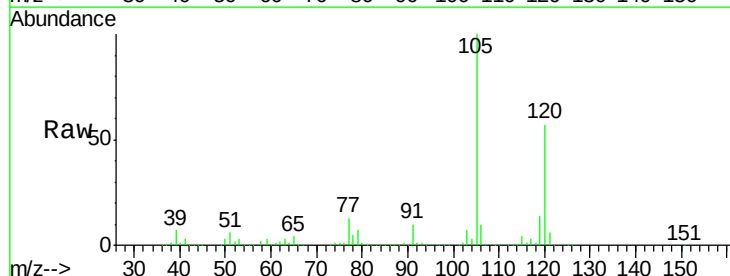
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

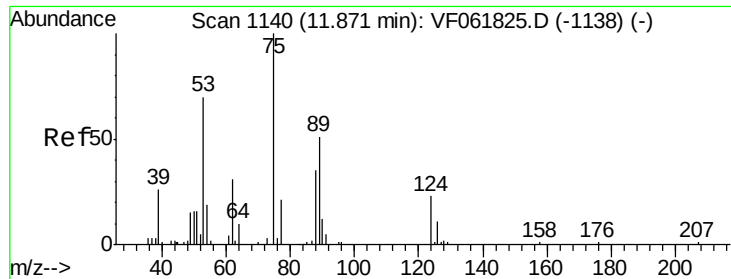
Tot Ion: 91 Resp: 450738
 Ion Ratio Lower Upper
 91 100
 126 36.6 19.8 59.4



#80
 1,3,5-Trimethylbenzene
 Concen: 48.739 ug/l
 RT: 11.82 min Scan# 1135
 Delta R.T. -0.01 min
 Lab File: VF061841.D
 Acq: 5 Mar 2019 2:33

Tgt Ion: 105 Resp: 557652
 Ion Ratio Lower Upper
 105 100
 120 57.0 27.9 83.6

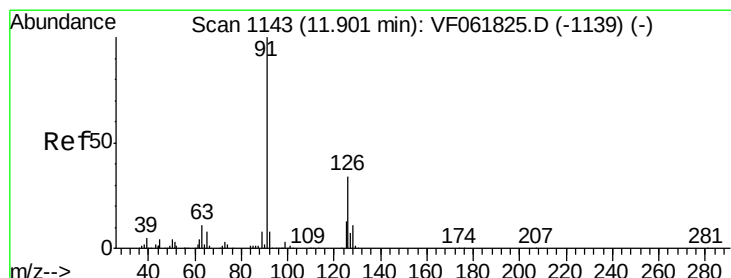
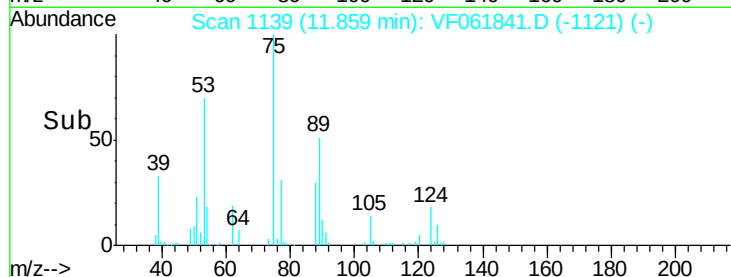
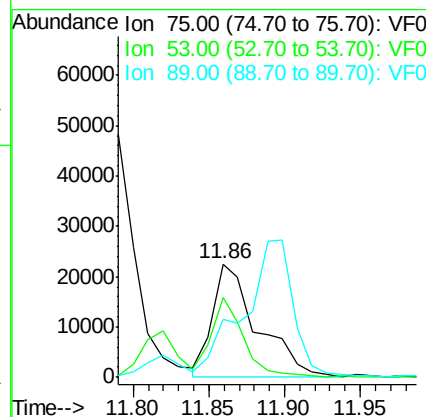
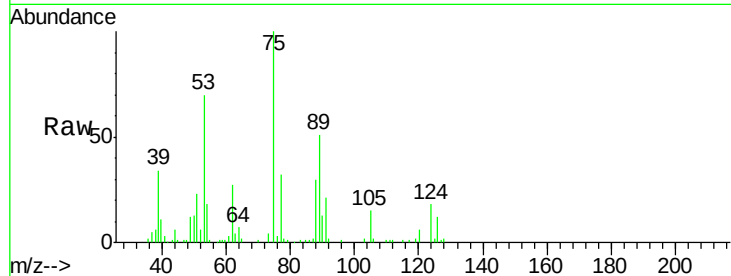




#81
trans-1,4-Dichloro-2-butene
Concen: 55.099 ug/l
RT: 11.86 min Scan# 1139
Delta R.T. -0.02 min
Lab File: VF061841.D
Acq: 5 Mar 2019 2:33

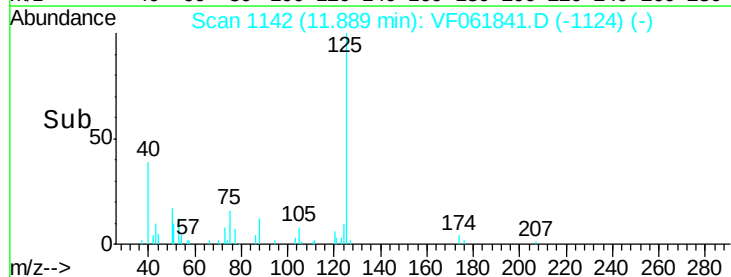
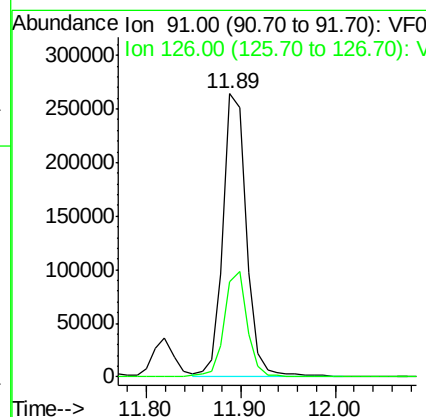
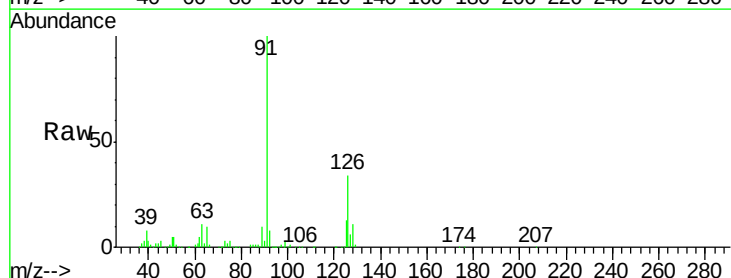
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

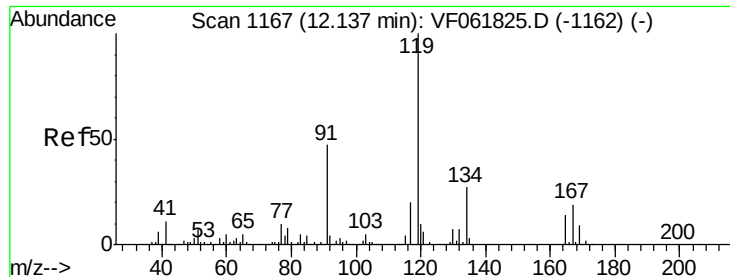
Tot Ion: 75 Resp: 46060
Ion Ratio Lower Upper
75 100
53 70.0 53.7 80.5
89 51.5 41.6 62.4



#82
4-Chlorotoluene
Concen: 47.191 ug/l
RT: 11.89 min Scan# 1142
Delta R.T. -0.02 min
Lab File: VF061841.D
Acq: 5 Mar 2019 2:33

Tgt Ion: 91 Resp: 450647
Ion Ratio Lower Upper
91 100
126 33.9 19.1 57.1

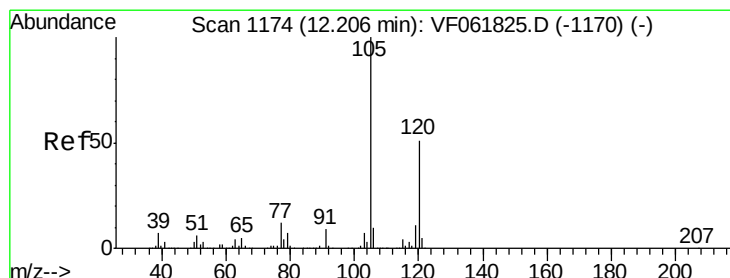
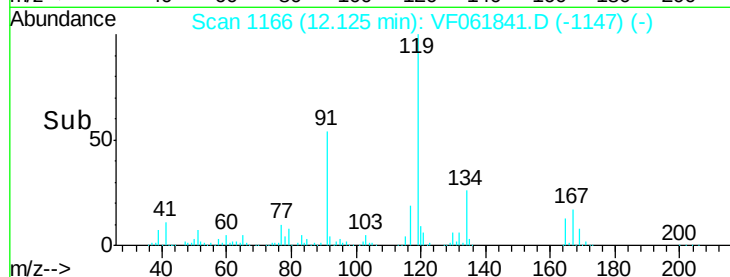
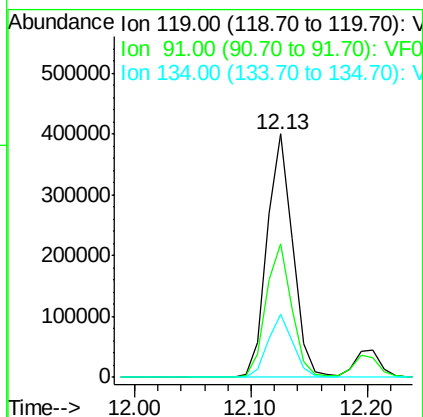
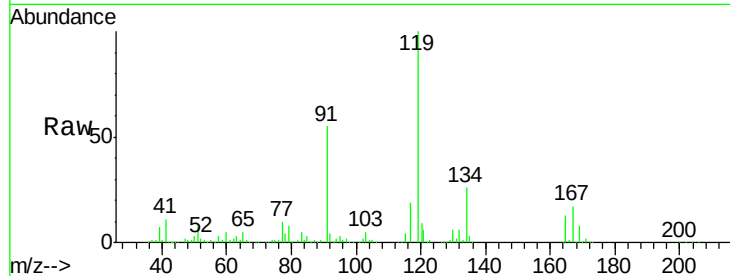




#83
 tert-Butylbenzene
 Concen: 48.218 ug/l
 RT: 12.13 min Scan# 1166
 Delta R.T. -0.01 min
 Lab File: VF061841.D
 Acq: 5 Mar 2019 2:33

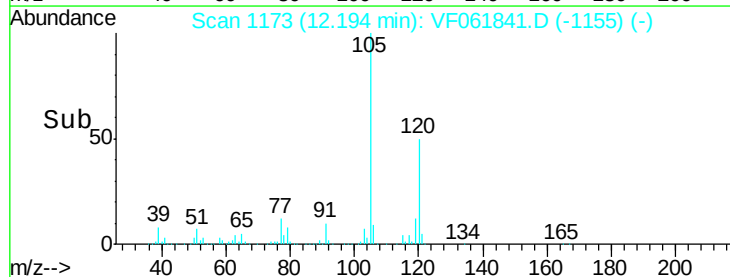
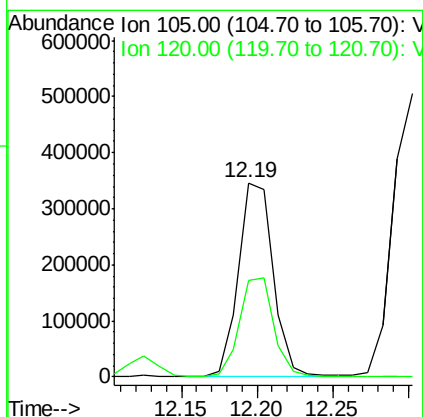
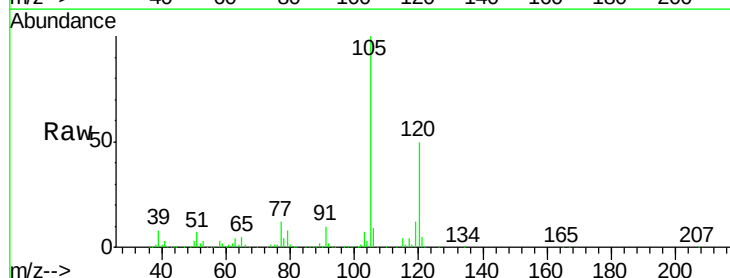
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

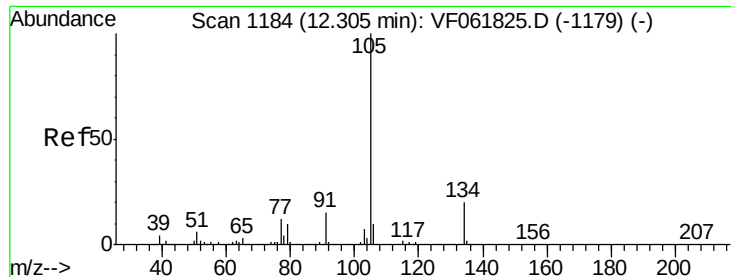
Tot Ion:119 Resp: 611058
 Ion Ratio Lower Upper
 119 100
 91 54.7 26.3 78.8
 134 26.0 12.9 38.7



#84
 1,2,4-Trimethylbenzene
 Concen: 48.794 ug/l
 RT: 12.19 min Scan# 1173
 Delta R.T. -0.02 min
 Lab File: VF061841.D
 Acq: 5 Mar 2019 2:33

Tgt Ion:105 Resp: 554641
 Ion Ratio Lower Upper
 105 100
 120 49.7 26.1 78.3





#85

sec-Butylbenzene

Concen: 46.871 ug/l

RT: 12.30 min Scan# 1184

Delta R.T. -0.01 min

Lab File: VF061841.D

Acq: 5 Mar 2019 2:33

Instrument :

MSVOA_F

ClientSampleId :

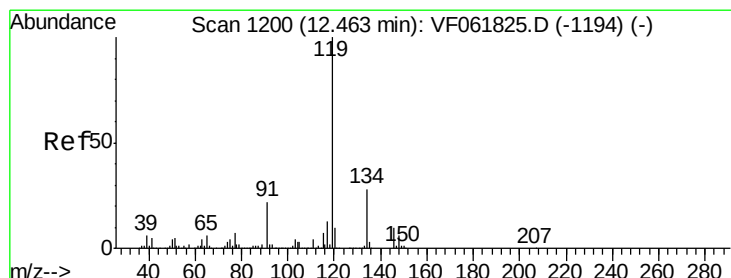
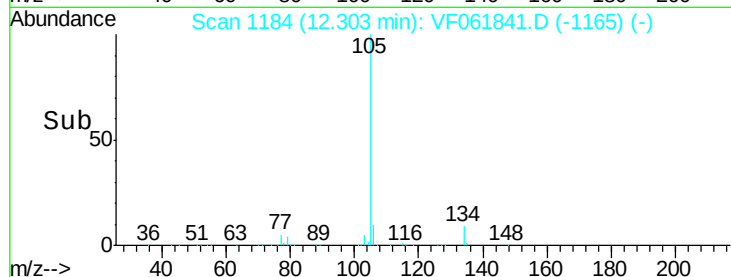
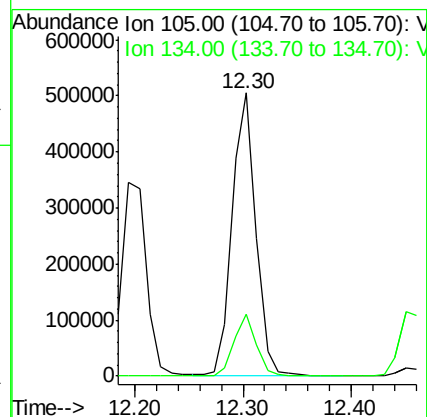
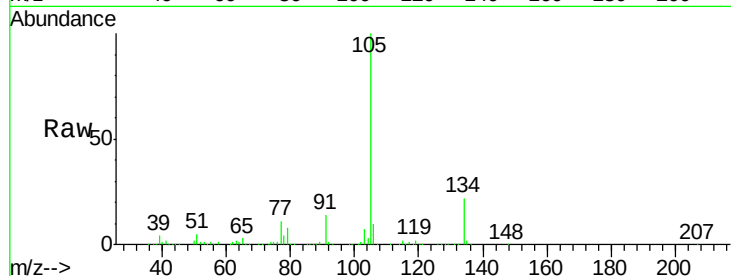
VSTDCCC050EC

Tot Ion:105 Resp: 768120

Ion Ratio Lower Upper

105 100

134 22.1 10.8 32.4



#86

p-Isopropyltoluene

Concen: 47.215 ug/l

RT: 12.45 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VF061841.D

Acq: 5 Mar 2019 2:33

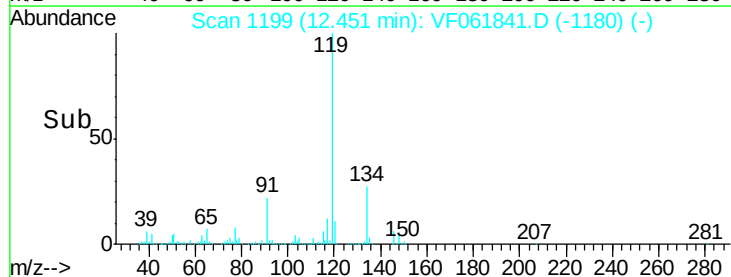
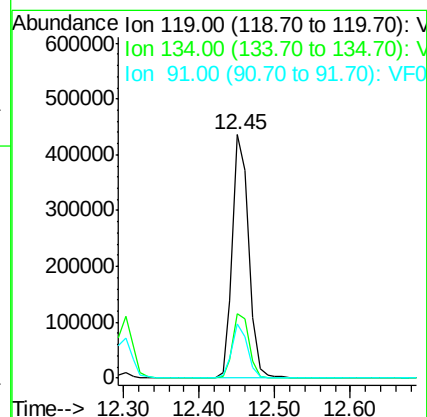
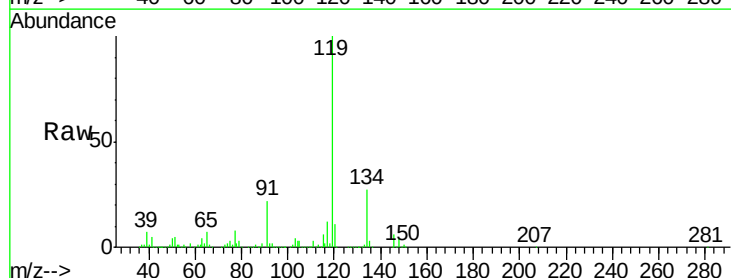
Tgt Ion:119 Resp: 649375

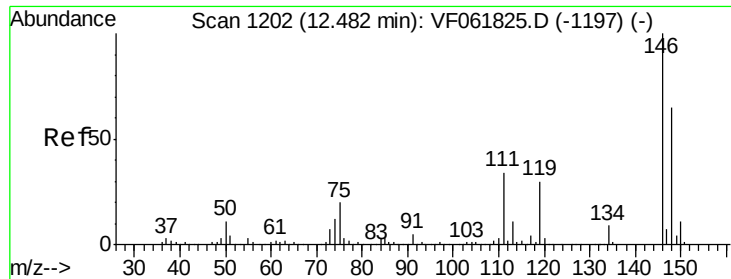
Ion Ratio Lower Upper

119 100

134 26.7 13.7 41.1

91 22.3 10.8 32.4

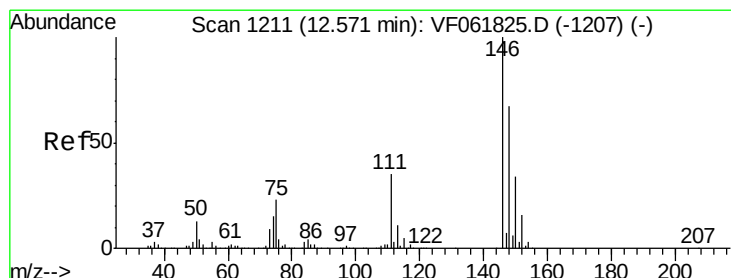
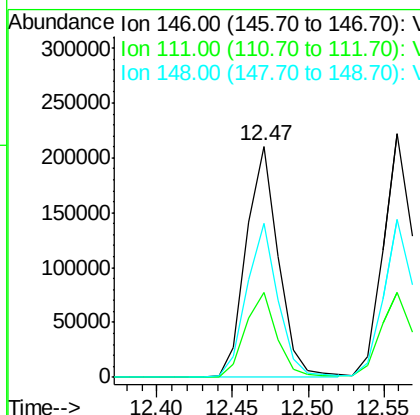
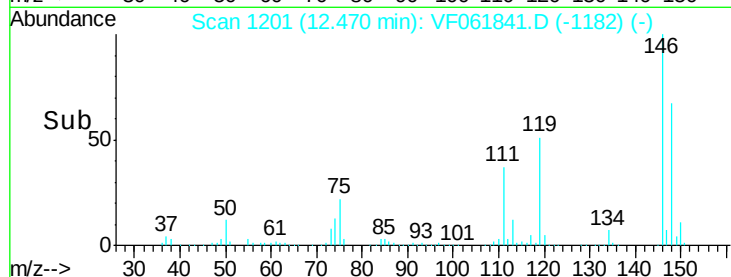
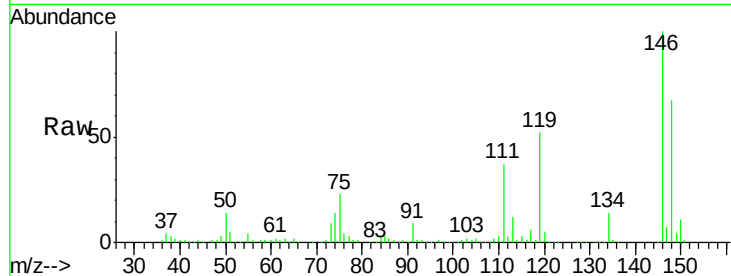




#87
 1,3-Dichlorobenzene
 Concen: 45.466 ug/l
 RT: 12.47 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: VF061841.D
 Acq: 5 Mar 2019 2:33

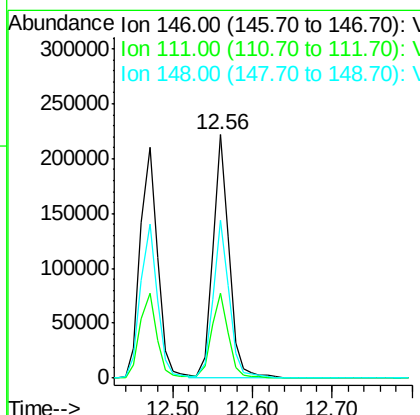
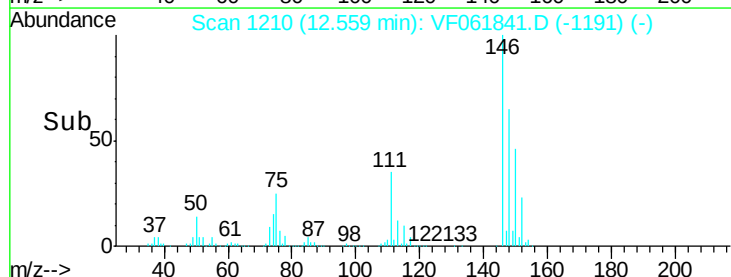
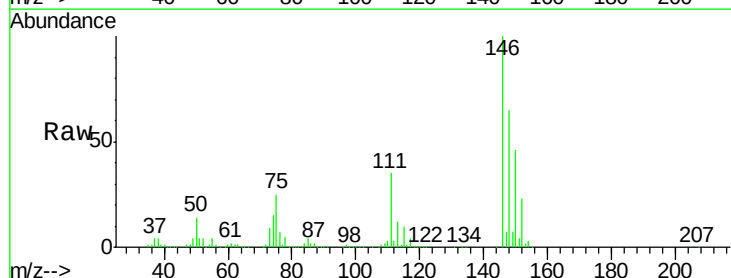
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

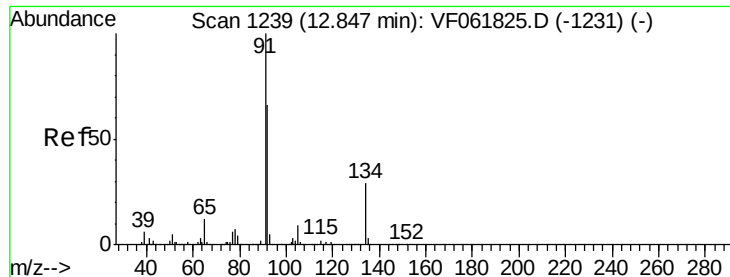
Tot Ion:146 Resp: 313472
 Ion Ratio Lower Upper
 146 100
 111 37.0 17.5 52.6
 148 66.7 31.4 94.3



#88
 1,4-Dichlorobenzene
 Concen: 48.406 ug/l
 RT: 12.56 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: VF061841.D
 Acq: 5 Mar 2019 2:33

Tgt Ion:146 Resp: 320969
 Ion Ratio Lower Upper
 146 100
 111 34.7 18.4 55.4
 148 64.8 32.2 96.6

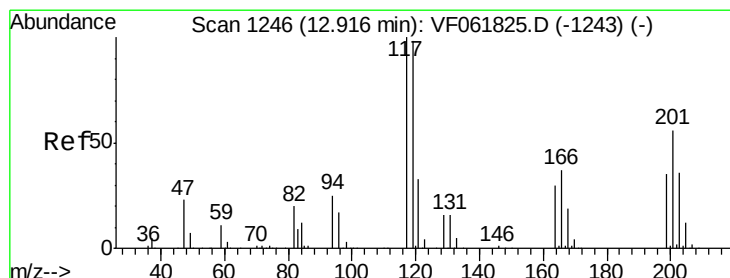
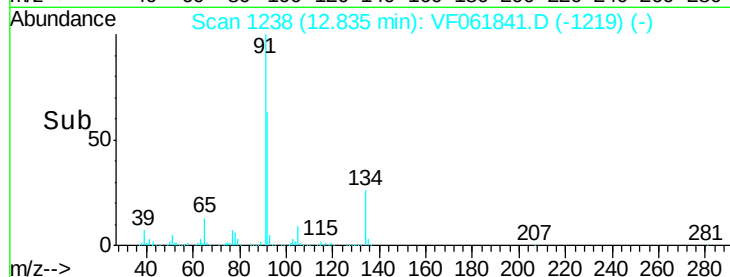
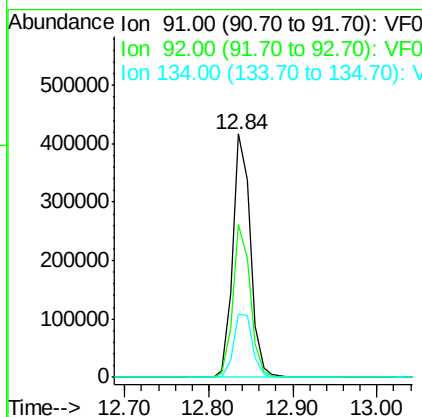
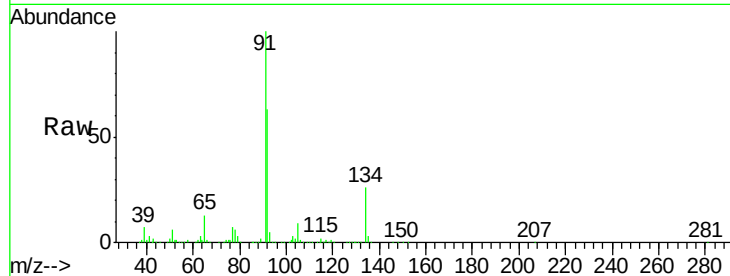




#89
n-Butylbenzene
Concen: 46.762 ug/l
RT: 12.84 min Scan# 1238
Delta R.T. -0.01 min
Lab File: VF061841.D
Acq: 5 Mar 2019 2:33

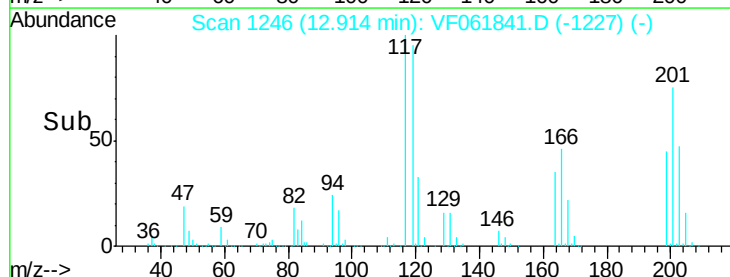
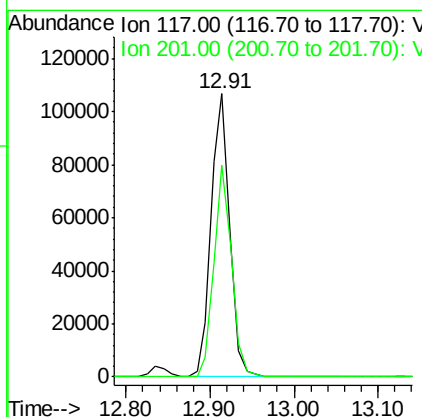
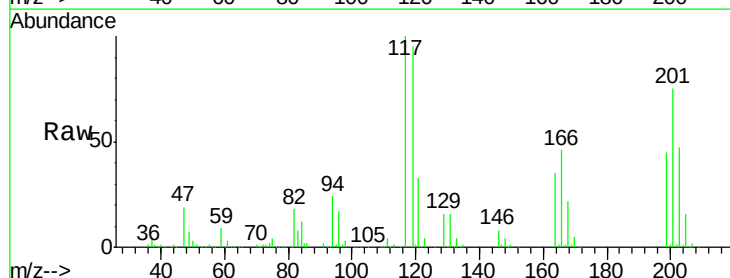
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

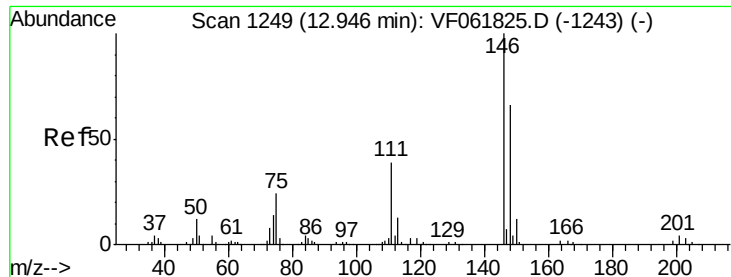
Tot Ion: 91 Resp: 607302
Ion Ratio Lower Upper
91 100
92 62.5 31.4 94.3
134 25.8 12.3 36.9



#90
Hexachloroethane
Concen: 50.827 ug/l
RT: 12.91 min Scan# 1246
Delta R.T. -0.01 min
Lab File: VF061841.D
Acq: 5 Mar 2019 2:33

Tgt Ion: 117 Resp: 162580
Ion Ratio Lower Upper
117 100
201 74.6 36.2 108.6

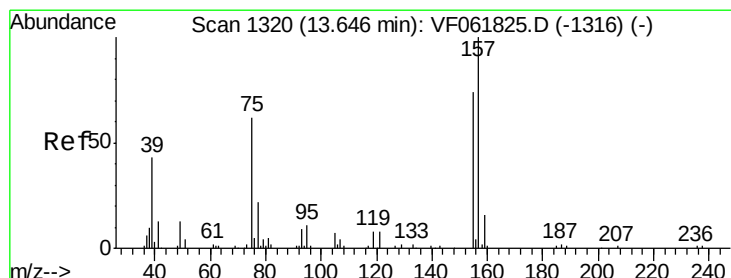
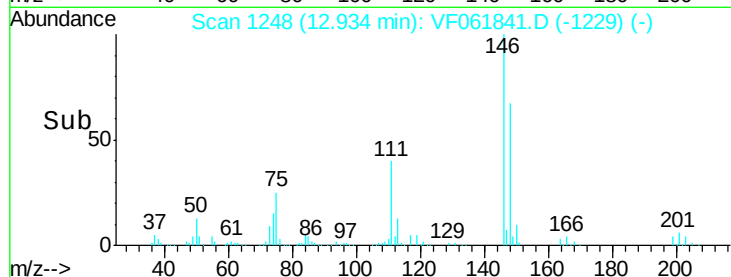
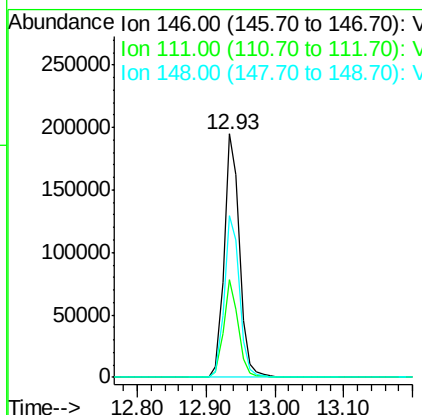
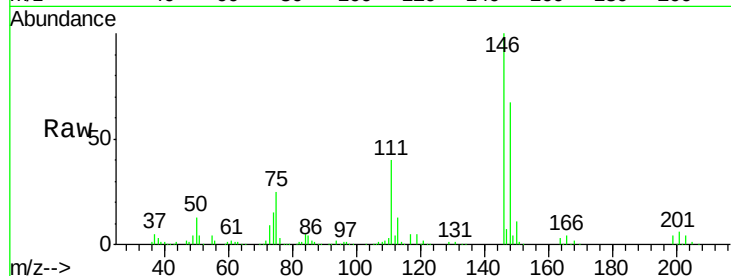




#91
 1,2-Dichlorobenzene
 Concen: 45.759 ug/l
 RT: 12.93 min Scan# 1248
 Delta R.T. -0.01 min
 Lab File: VF061841.D
 Acq: 5 Mar 2019 2:33

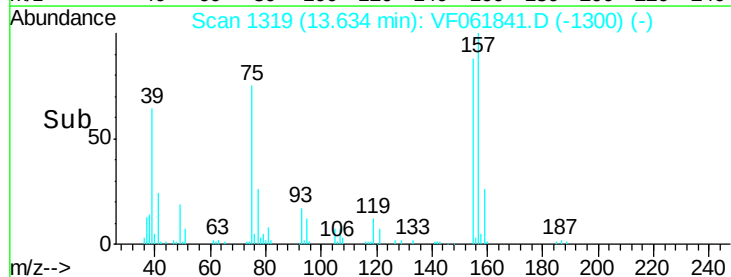
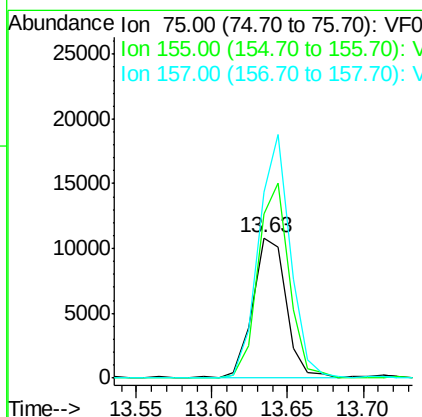
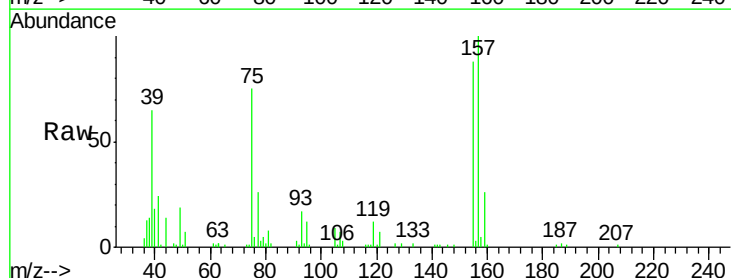
Instrument :
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 ClientSampleId :
 VSTDCCC050EC

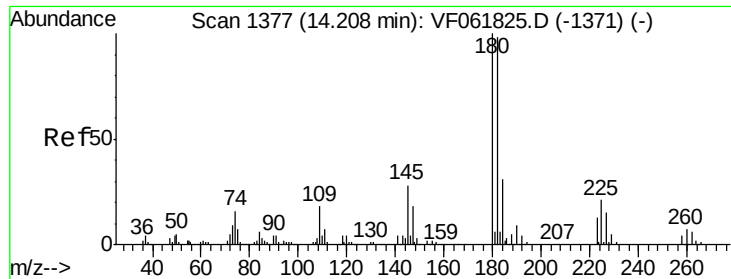
Tot Ion:146 Resp: 300086
 Ion Ratio Lower Upper
 146 100
 111 40.3 20.2 60.5
 148 66.6 32.3 96.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 41.360 ug/l
 RT: 13.63 min Scan# 1319
 Delta R.T. -0.01 min
 Lab File: VF061841.D
 Acq: 5 Mar 2019 2:33

Tgt Ion: 75 Resp: 16818
 Ion Ratio Lower Upper
 75 100
 155 117.6 48.9 146.8
 157 132.9 58.3 174.8

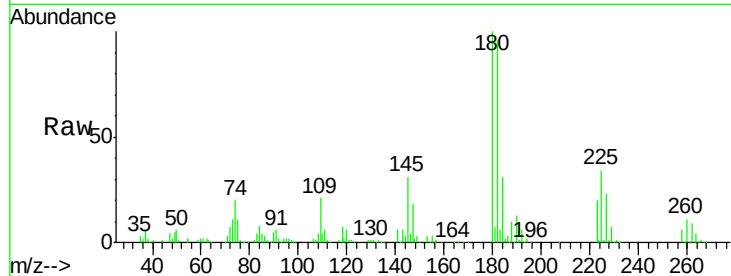




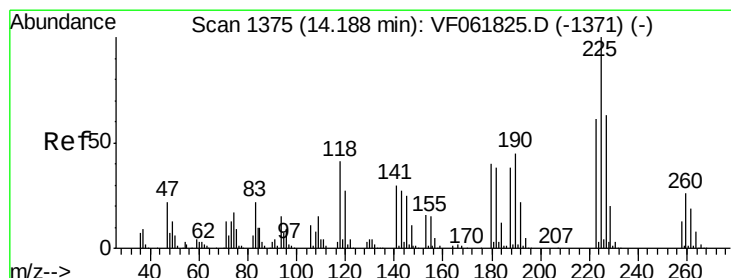
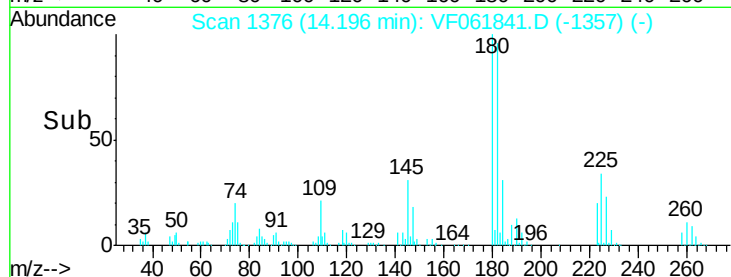
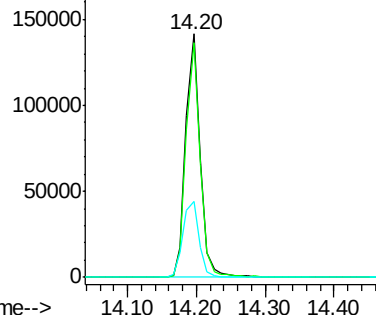
#93
 1,2,4-Trichlorobenzene
 Concen: 44.084 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. -0.01 min
 Lab File: VF061841.D
 Acq: 5 Mar 2019 2:33

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:180 Resp: 207221
 Ion Ratio Lower Upper
 180 100
 182 96.2 48.6 145.9
 145 31.3 15.3 45.9

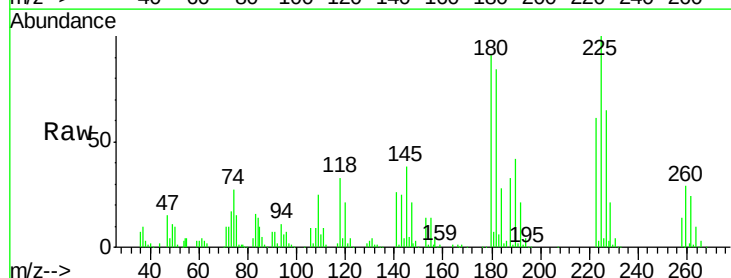


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

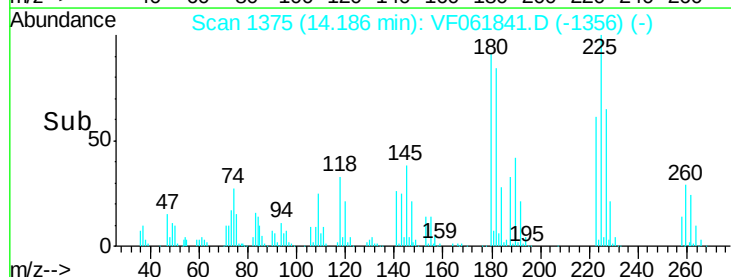
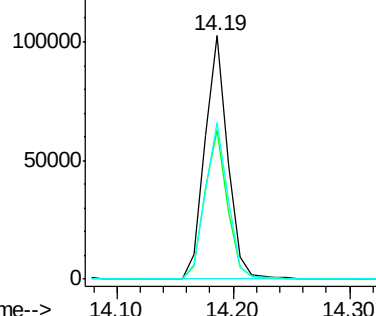


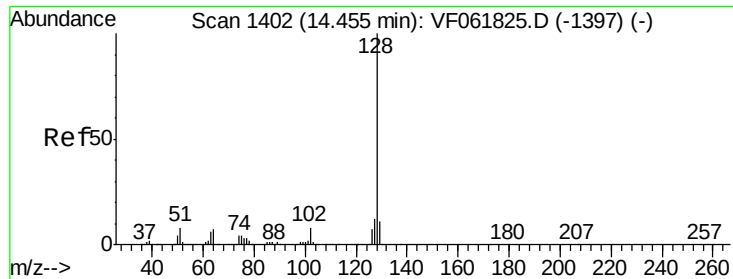
#94
 Hexachlorobutadiene
 Concen: 48.031 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.01 min
 Lab File: VF061841.D
 Acq: 5 Mar 2019 2:33

Tgt Ion:225 Resp: 139438
 Ion Ratio Lower Upper
 225 100
 223 61.1 30.9 92.7
 227 64.5 32.1 96.3



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V

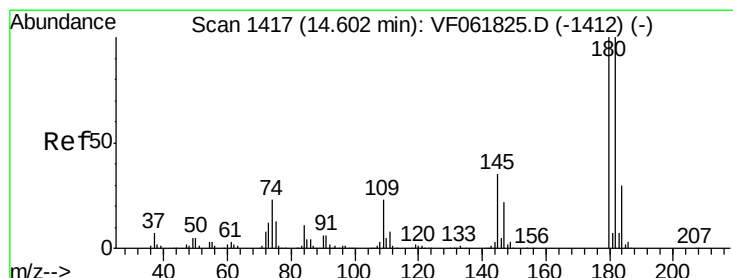
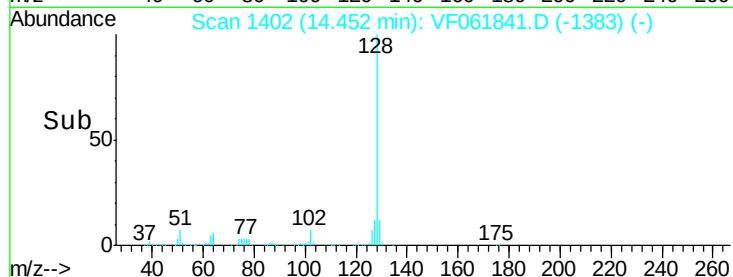
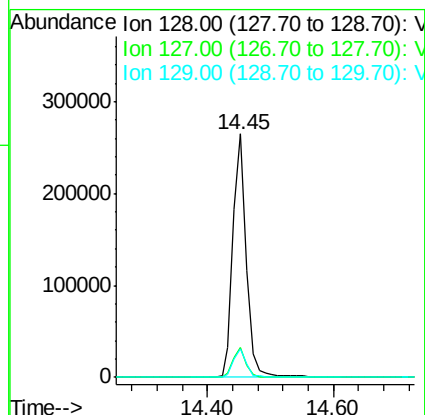
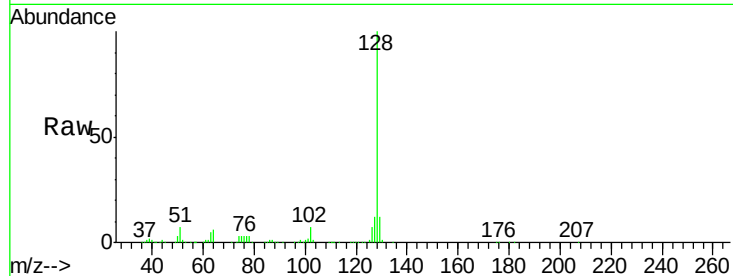




#95
Naphthalene
Concen: 46.709 ug/l
RT: 14.45 min Scan# 1402
Delta R.T. -0.01 min
Lab File: VF061841.D
Acq: 5 Mar 2019 2:33

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 384147
Ion Ratio Lower Upper
128 100
127 12.1 9.8 14.6
129 11.5 9.4 14.2



#96
1,2,3-Trichlorobenzene
Concen: 45.005 ug/l
RT: 14.60 min Scan# 1417
Delta R.T. -0.01 min
Lab File: VF061841.D
Acq: 5 Mar 2019 2:33

Tgt Ion:180 Resp: 194170
Ion Ratio Lower Upper
180 100
182 97.1 49.0 147.2
145 30.8 15.4 46.1

