

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF030519\
 Data File : VF061843.D
 Acq On : 5 Mar 2019 13:49
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Quant Time: Mar 06 05:40:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 05 04:50:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	311668	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.60	114	469488	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.77	117	394204	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.55	152	205682	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.84	65	114252	50.34	ug/l	-0.01
Spiked Amount			Recovery	=	100.68%	
35) Dibromofluoromethane	4.11	113	170193	51.94	ug/l	-0.01
Spiked Amount			Recovery	=	103.88%	
50) Toluene-d8	7.55	98	496503	50.98	ug/l	-0.01
Spiked Amount			Recovery	=	101.96%	
62) 4-Bromofluorobenzene	11.41	95	186108	48.79	ug/l	-0.01
Spiked Amount			Recovery	=	97.58%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.96	85	188609	49.292	ug/l	91
3) Chloromethane	1.10	50	184244	49.684	ug/l	90
4) Vinyl Chloride	1.14	62	179119	50.882	ug/l	100
5) Bromomethane	1.31	94	129854	54.126	ug/l	96
6) Chloroethane	1.40	64	86167	51.494	ug/l	96
7) Trichlorofluoromethane	1.48	101	168956	39.297	ug/l	99
8) Diethyl Ether	1.63	74	49615	50.747	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	1.85	101	152557	52.251	ug/l	97
10) Methyl Iodide	1.92	142	231232	41.618	ug/l	98
11) Tert butyl alcohol	2.57	59	29663	230.255	ug/l #	83
12) 1,1-Dichloroethene	1.80	96	116503	43.707	ug/l	92
13) Acrolein	2.00	56	46136	282.630	ug/l	89
14) Allyl chloride	2.10	41	150553	51.269	ug/l	99
15) Acrylonitrile	2.94	53	93492	227.908	ug/l	97
16) Acetone	2.23	43	129249	271.852	ug/l	97
17) Carbon Disulfide	1.81	76	310987	37.481	ug/l	96
18) Methyl Acetate	2.34	43	50403	54.962	ug/l	96
19) Methyl tert-butyl Ether	2.42	73	228172	50.602	ug/l	98
20) Methylene Chloride	2.18	84	44673	13.021	ug/l	96
21) trans-1,2-Dichloroethene	2.30	96	120058	47.857	ug/l	89
22) Diisopropyl ether	2.80	45	401339	52.541	ug/l	98
23) Vinyl Acetate	3.18	43	863965	253.182	ug/l	100
24) 1,1-Dichloroethane	2.87	63	227635	49.858	ug/l	98
25) 2-Butanone	4.34	43	235344	243.354	ug/l	98
26) 2,2-Dichloropropane	3.60	77	104423	51.234	ug/l	99
27) cis-1,2-Dichloroethene	3.47	96	189184	54.432	ug/l	99
28) Bromochloromethane	3.71	49	95623	48.047	ug/l #	97
29) Tetrahydrofuran	4.07	42	98533	236.248	ug/l	100
30) Chloroform	3.85	83	272679	52.287	ug/l	96
31) Cyclohexane	3.68	56	137872	28.831	ug/l	98
32) 1,1,1-Trichloroethane	4.09	97	155615	48.411	ug/l	96
36) 1,1-Dichloropropene	4.28	75	226995	51.184	ug/l	98
37) Ethyl Acetate	4.11	43	87473	46.992	ug/l #	97
38) Carbon Tetrachloride	3.98	117	156215	49.759	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	277002	52.881	ug/l	98
40) Benzene	4.63	78	595518	51.372	ug/l	99
41) Methacrylonitrile	4.74	41	46500	45.594	ug/l	95
42) 1,2-Dichloroethane	4.94	62	145389	50.327	ug/l	97
43) Isopropyl Acetate	6.96	43	107473	46.838	ug/l #	98
44) Trichloroethene	5.50	130	184583	51.238	ug/l	97
45) 1,2-Dichloropropane	6.23	63	143179	51.942	ug/l	99
46) Dibromomethane	6.08	93	86351	49.774	ug/l	96
47) Bromodichloromethane	6.38	83	193056	50.370	ug/l	99
48) Methyl methacrylate	6.71	41	67528	46.502	ug/l	92
49) 1,4-Dioxane	6.71	88	13037	982.078	ug/l #	82
51) 4-Methyl-2-Pentanone	8.25	43	375364	236.696	ug/l	97
52) Toluene	7.62	92	352152	51.352	ug/l	99
53) t-1,3-Dichloropropene	8.27	75	157253	49.705	ug/l	95
54) cis-1,3-Dichloropropene	7.29	75	215643	49.416	ug/l	99
55) 1,1,2-Trichloroethane	8.49	97	92709	46.921	ug/l	94
56) Ethyl methacrylate	8.61	69	104255	46.819	ug/l	97
57) 1,3-Dichloropropane	8.85	76	159363	49.319	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.28	63	78854	223.854	ug/l	97
59) 2-Hexanone	9.48	43	269763	235.796	ug/l	98
60) Dibromochloromethane	8.71	129	147172	52.261	ug/l	94
61) 1,2-Dibromoethane	8.98	107	108248	49.820	ug/l	92
64) Tetrachloroethene	8.15	164	156272	51.591	ug/l	95
65) Chlorobenzene	9.80	112	400586	52.893	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.93	131	159374	54.314	ug/l	97
67) Ethyl Benzene	9.90	91	678658	54.064	ug/l	99
68) m/p-Xylenes	10.12	106	516338	107.373	ug/l	100
69) o-Xylene	10.71	106	270846	52.305	ug/l	99
70) Styrene	10.78	104	383364	52.606	ug/l	98
71) Bromoform	10.77	173	76460	49.303	ug/l	98
73) Isopropylbenzene	11.12	105	775964	54.799	ug/l	99
74) N-amyl acetate	11.37	43	168636	51.731	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.69	83	120459	51.184	ug/l	93
76) 1,2,3-Trichloropropane	11.79	75	81808	50.931	ug/l	93
77) Bromobenzene	11.49	156	179842	52.773	ug/l	91
78) n-propylbenzene	11.59	91	830197	51.917	ug/l	95
79) 2-Chlorotoluene	11.72	91	490431	53.645	ug/l	99
80) 1,3,5-Trimethylbenzene	11.82	105	602164	52.966	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.87	75	50364	68.571	ug/l	96
82) 4-Chlorotoluene	11.90	91	492472	52.665	ug/l	94
83) tert-Butylbenzene	12.13	119	660659	54.727	ug/l	91
84) 1,2,4-Trimethylbenzene	12.20	105	602439	54.055	ug/l	99
85) sec-Butylbenzene	12.30	105	850762	54.156	ug/l	96
86) p-Isopropyltoluene	12.46	119	738105	55.274	ug/l	98
87) 1,3-Dichlorobenzene	12.47	146	337288	52.124	ug/l	98
88) 1,4-Dichlorobenzene	12.56	146	329097	52.723	ug/l	97
89) n-Butylbenzene	12.85	91	679123	53.216	ug/l	98
90) Hexachloroethane	12.91	117	177397	55.192	ug/l	85
91) 1,2-Dichlorobenzene	12.94	146	324431	52.918	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.64	75	18780	46.258	ug/l	91

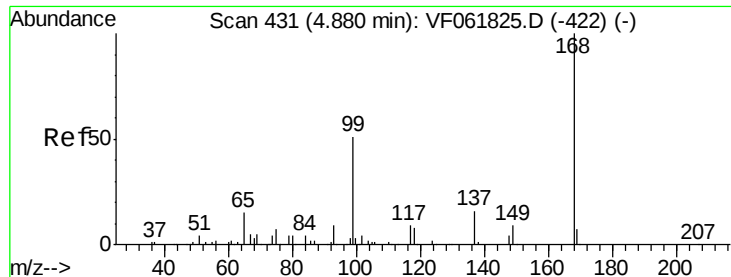
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	230368	53.598	ug/l	96
94) Hexachlorobutadiene	14.19	225	152525	51.261	ug/l	98
95) Naphthalene	14.45	128	388298	50.723	ug/l	99
96) 1,2,3-Trichlorobenzene	14.60	180	217076	54.700	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.01 min

Lab File: VF061843.D

Acq: 5 Mar 2019 13:49

Instrument :

MSVOA_F

ClientSampleId :

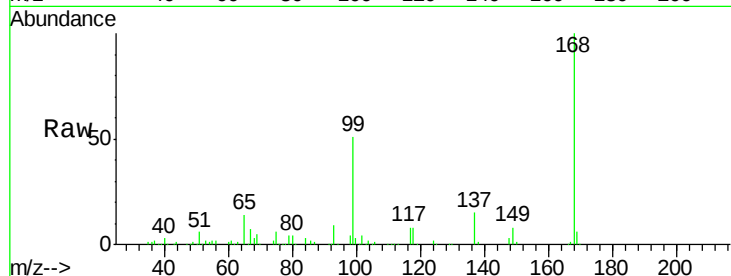
VSTDCCC050

Tot Ion:168 Resp: 311668

Ion Ratio Lower Upper

168 100

99 50.6 40.8 61.2



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.87

120000

100000

80000

60000

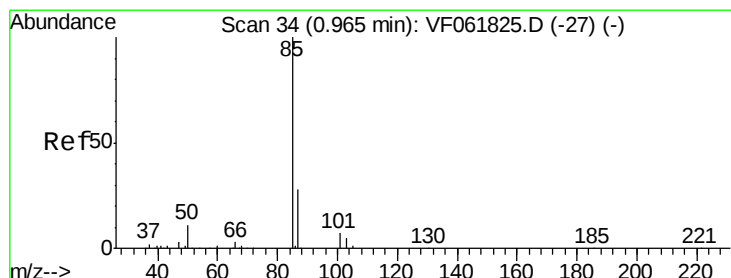
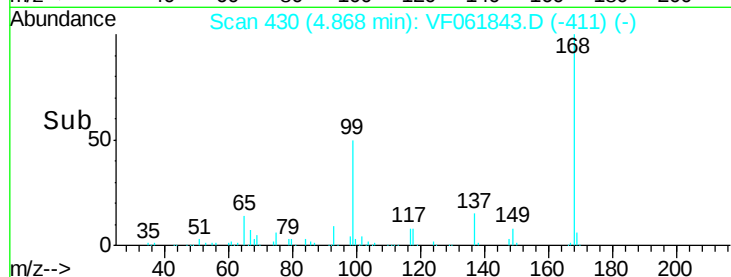
40000

20000

0

Time-->

4.70 4.80 4.90 5.00 5.10



#2

Dichlorodifluoromethane

Concen: 49.292 ug/l

RT: 0.96 min Scan# 34

Delta R.T. -0.00 min

Lab File: VF061843.D

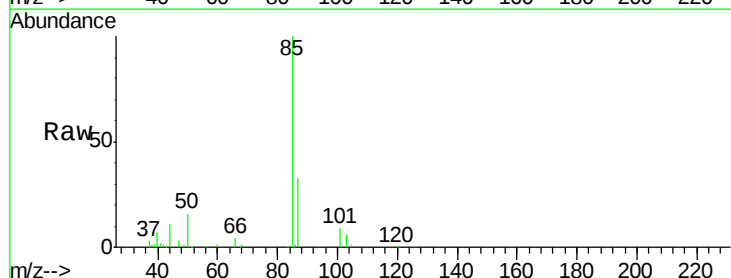
Acq: 5 Mar 2019 13:49

Tgt Ion: 85 Resp: 188609

Ion Ratio Lower Upper

85 100

87 32.7 14.1 42.2



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

50000

40000

30000

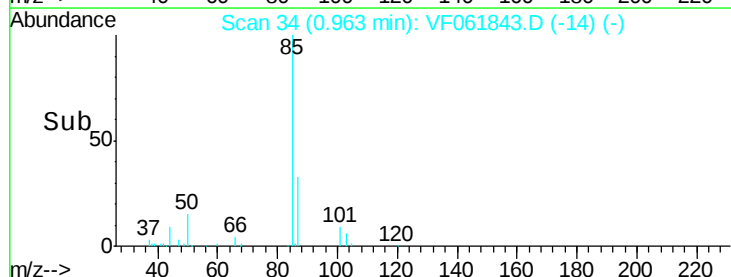
20000

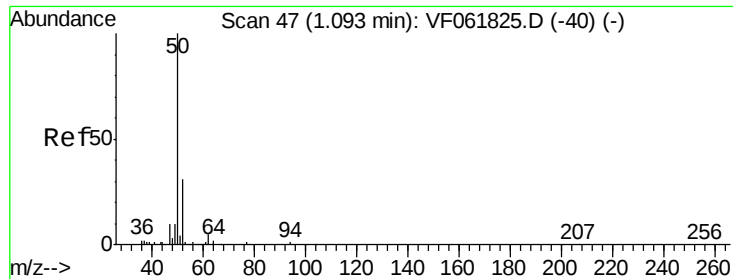
10000

0

Time-->

0.80 0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 49.684 ug/l

RT: 1.10 min Scan# 48

Delta R.T. 0.01 min

Lab File: VF061843.D

Acq: 5 Mar 2019 13:49

Instrument :

MSVOA_F

ClientSampleId :

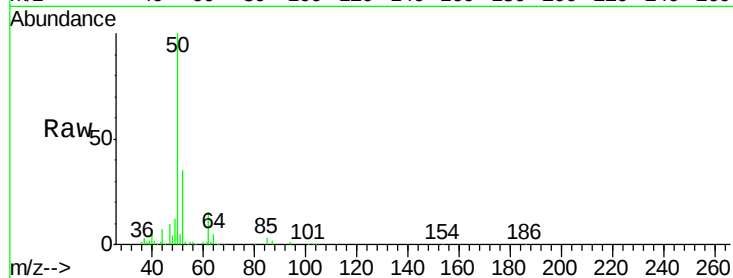
VSTDCCC050

Tot Ion: 50 Resp: 184244

Ion Ratio Lower Upper

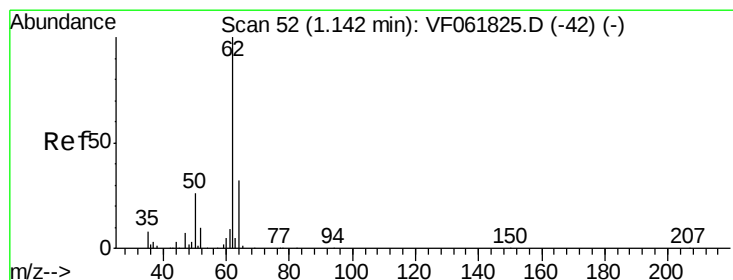
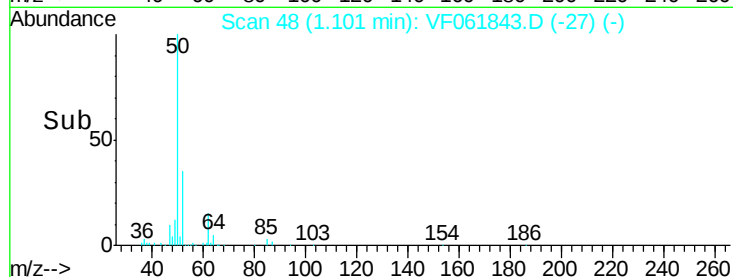
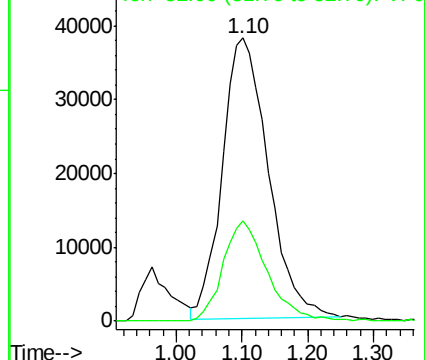
50 100

52 35.4 23.8 35.8



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 50.882 ug/l

RT: 1.14 min Scan# 52

Delta R.T. -0.00 min

Lab File: VF061843.D

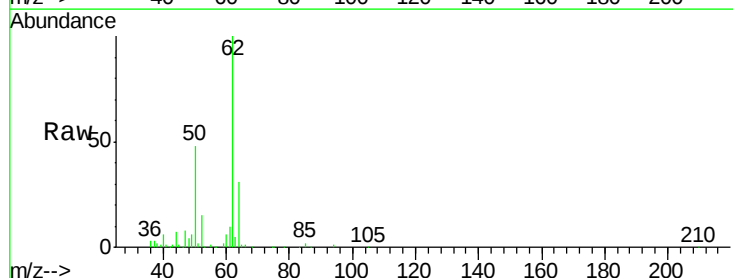
Acq: 5 Mar 2019 13:49

Tgt Ion: 62 Resp: 179119

Ion Ratio Lower Upper

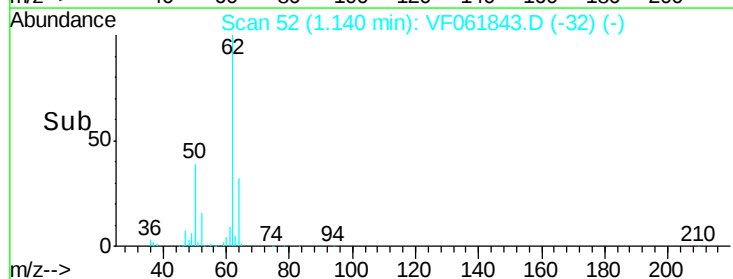
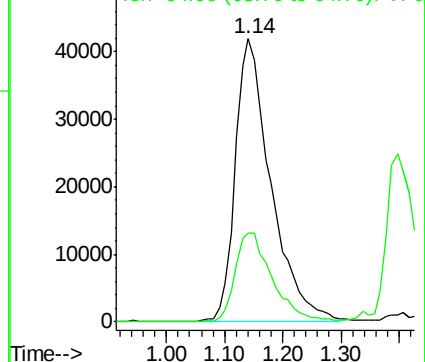
62 100

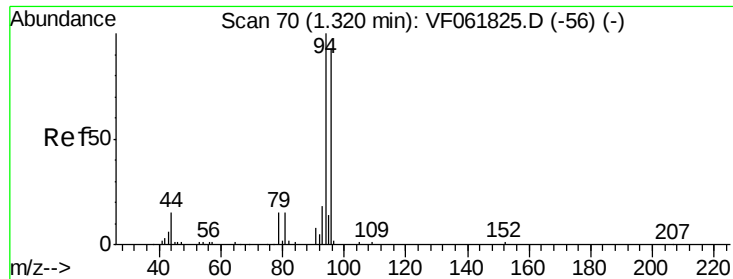
64 31.5 25.2 37.8



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 54.126 ug/l

RT: 1.31 min Scan# 69

Delta R.T. -0.01 min

Lab File: VF061843.D

Acq: 5 Mar 2019 13:49

Instrument :

MSVOA_F

ClientSampleId :

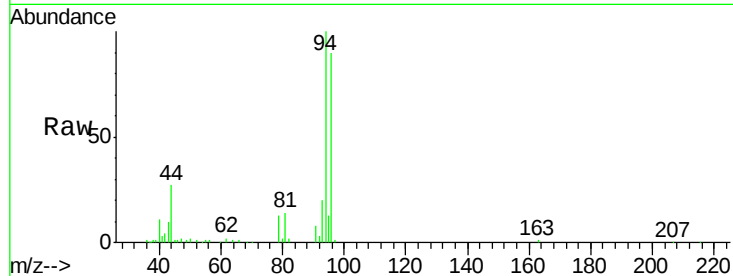
VSTDCCC050

Tot Ion: 94 Resp: 129854

Ion Ratio Lower Upper

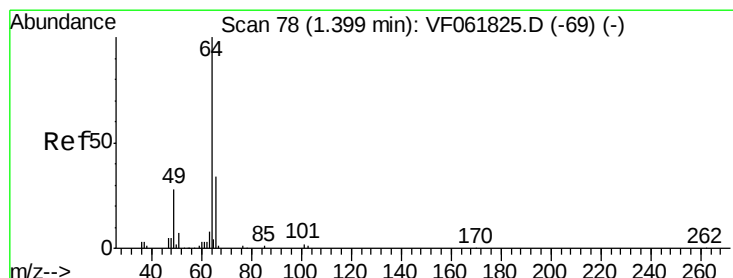
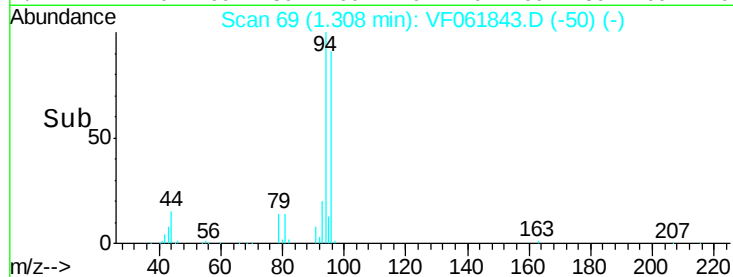
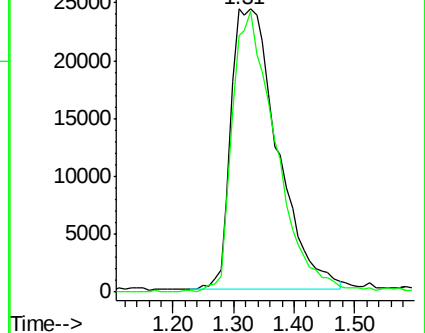
94 100

96 90.5 75.2 112.8



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 51.494 ug/l

RT: 1.40 min Scan# 78

Delta R.T. -0.00 min

Lab File: VF061843.D

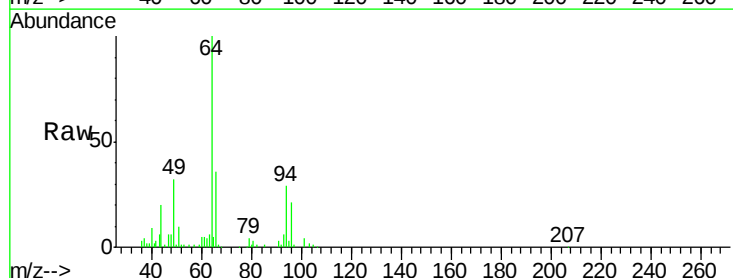
Acq: 5 Mar 2019 13:49

Tgt Ion: 64 Resp: 86167

Ion Ratio Lower Upper

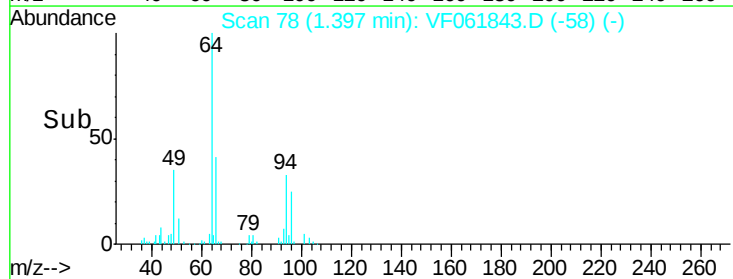
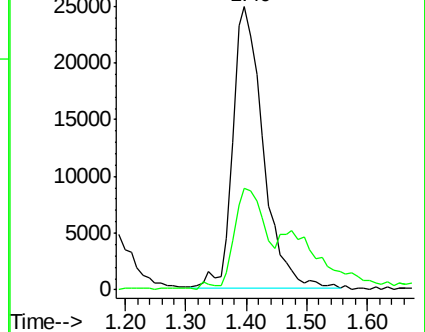
64 100

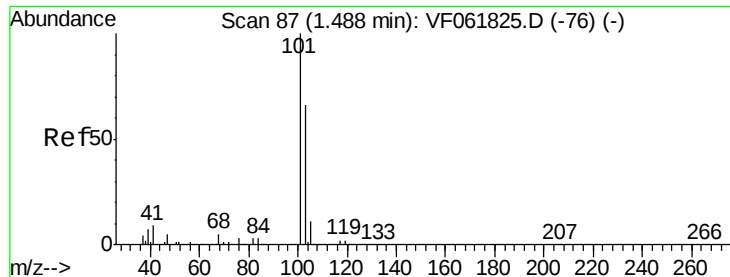
66 35.8 27.0 40.4



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

Trichlorofluoromethane

Concen: 39.297 ug/l

RT: 1.48 min Scan# 86

Delta R.T. -0.01 min

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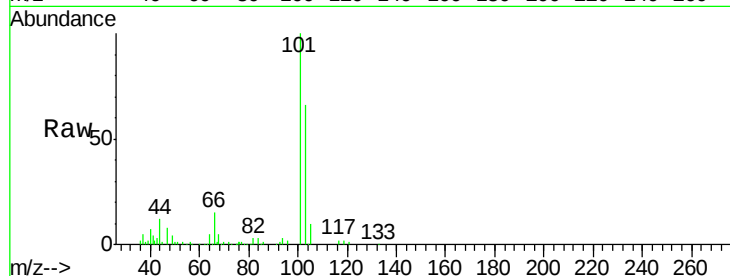
VSTDCCC050

Tot Ion:101 Resp: 168956

Ion Ratio Lower Upper

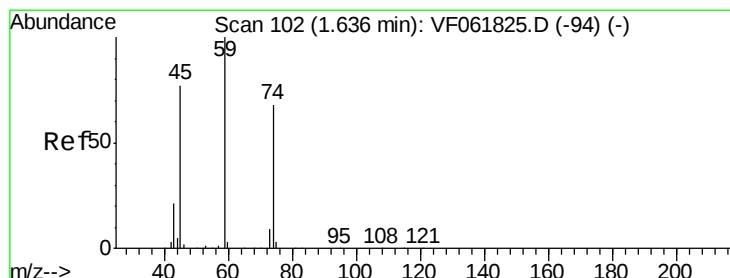
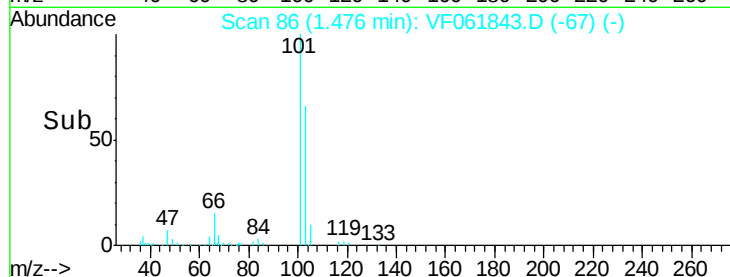
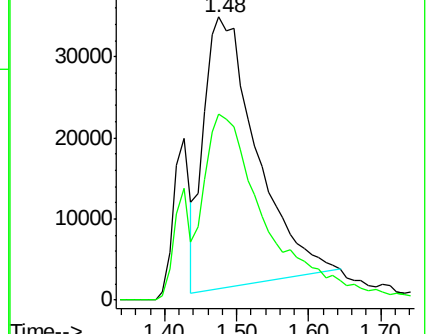
101 100

103 65.5 52.8 79.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 50.747 ug/l

RT: 1.63 min Scan# 102

Delta R.T. -0.00 min

Lab File: VF061843.D

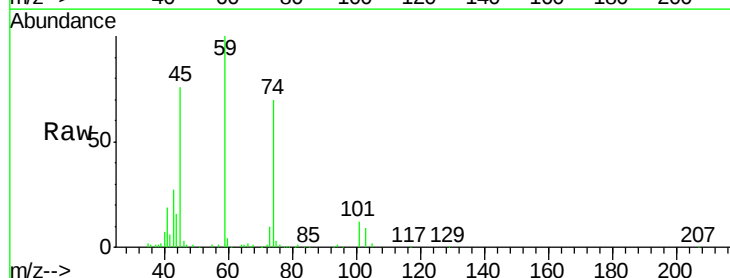
Acq: 5 Mar 2019 13:49

Tgt Ion: 74 Resp: 49615

Ion Ratio Lower Upper

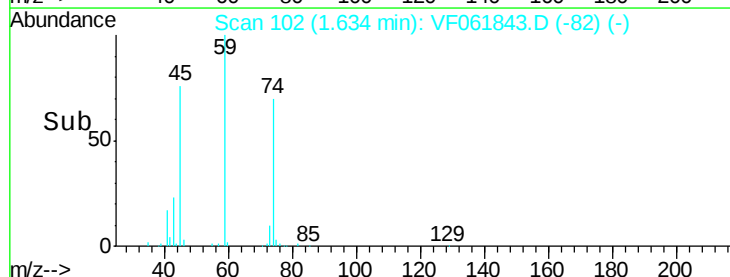
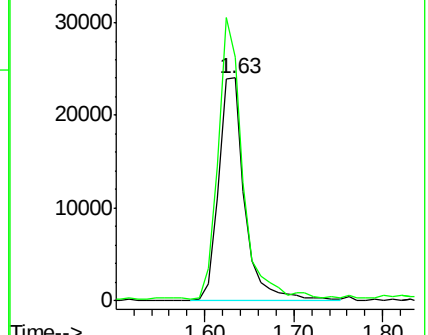
74 100

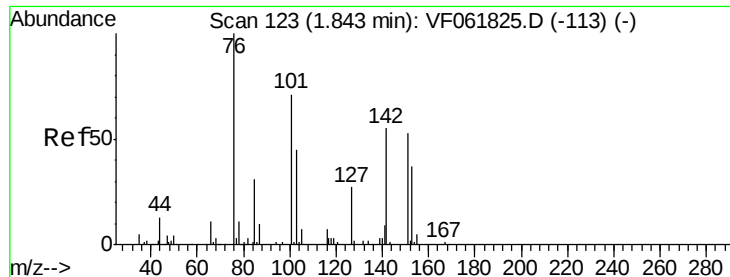
45 109.3 57.2 171.6



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.251 ug/l

RT: 1.85 min Scan# 124

Delta R.T. 0.01 min

Lab File: VF061843.D

Acq: 5 Mar 2019 13:49

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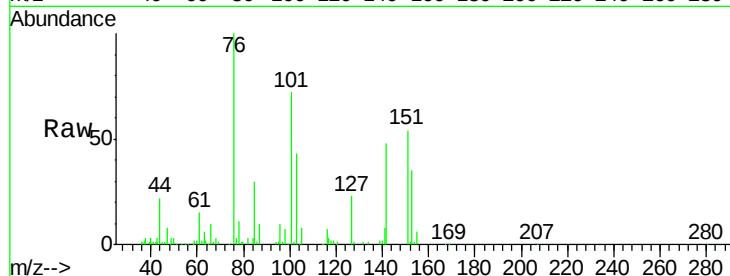
Tot Ion:101 Resp: 152557

Ion Ratio Lower Upper

101 100

85 41.9 34.0 51.0

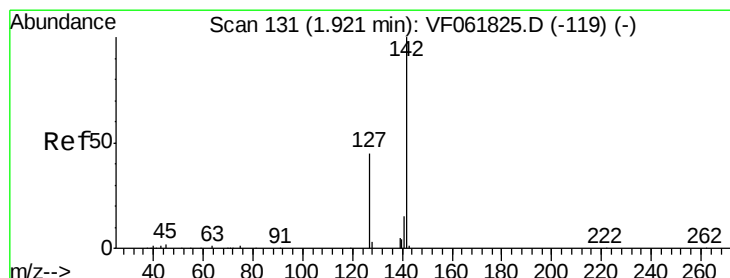
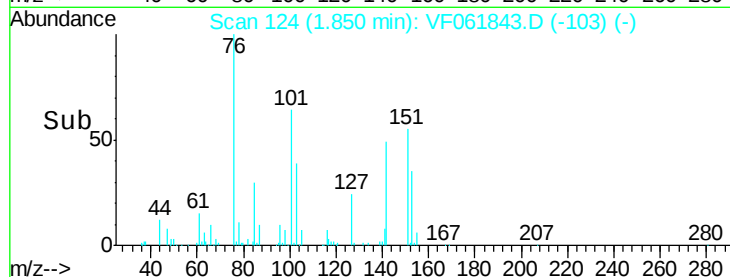
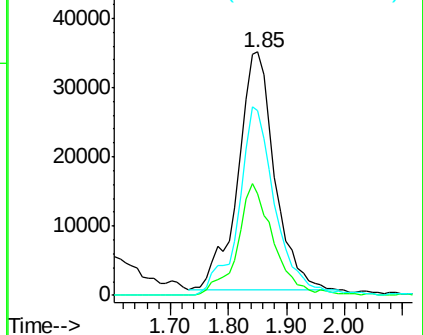
151 75.6 57.3 85.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 41.618 ug/l

RT: 1.92 min Scan# 131

Delta R.T. -0.00 min

Lab File: VF061843.D

Acq: 5 Mar 2019 13:49

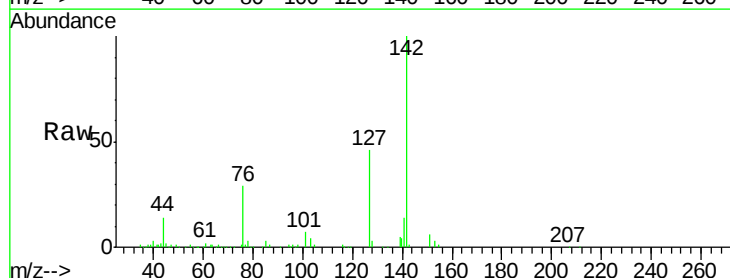
Tgt Ion:142 Resp: 231232

Ion Ratio Lower Upper

142 100

127 46.4 35.8 53.6

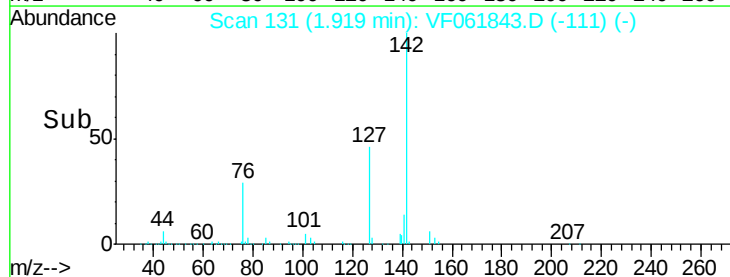
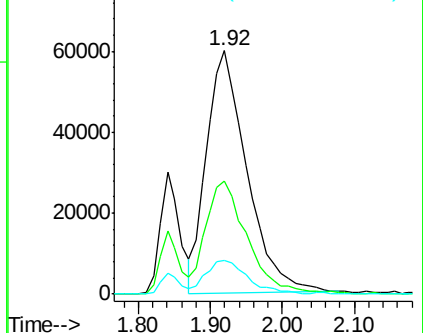
141 13.9 11.7 17.5

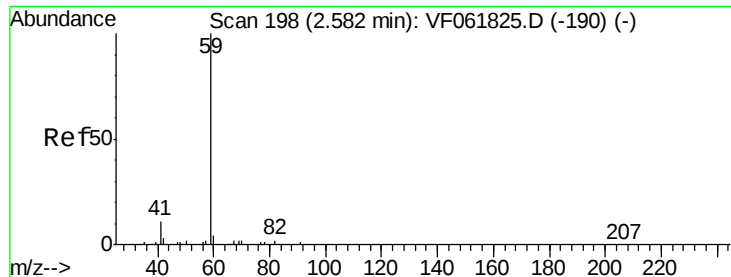


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



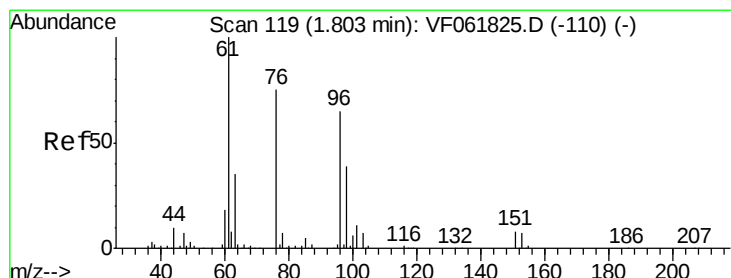
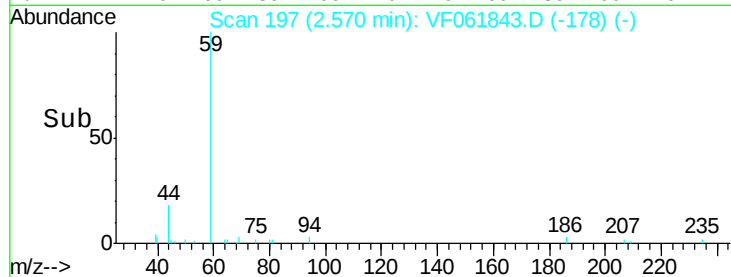
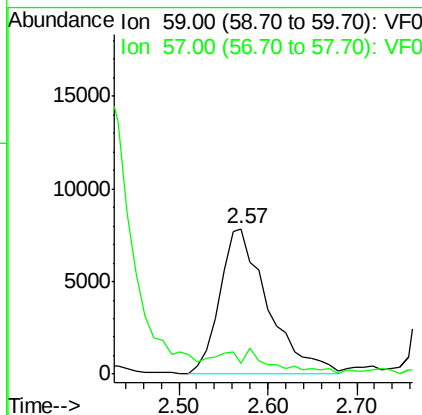
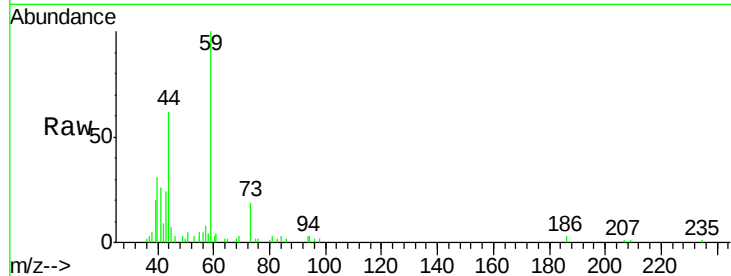


#11

Tert butyl alcohol
 Concen: 230.255 ug/l
 RT: 2.57 min Scan# 197
 Delta R.T. -0.01 min
 Lab File: VF061843.D
 Acq: 5 Mar 2019 13:49

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

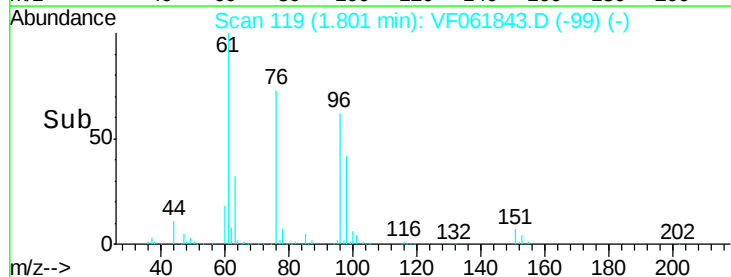
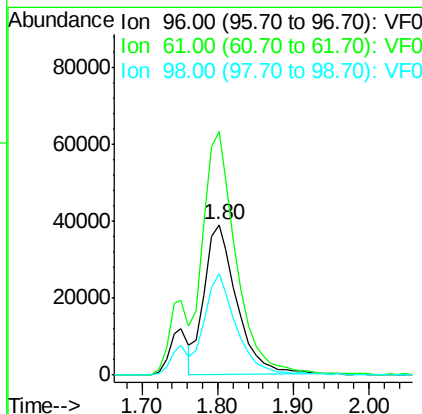
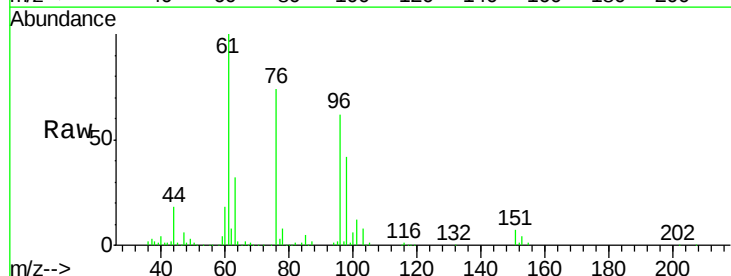
Tot Ion: 59 Resp: 29663
 Ion Ratio Lower Upper
 59 100
 57 7.7 11.8 17.6#

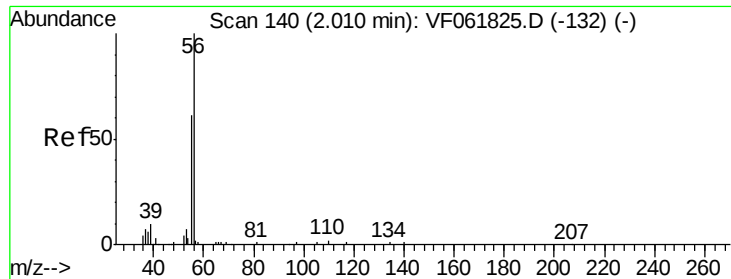


#12

1,1-Dichloroethene
 Concen: 43.707 ug/l
 RT: 1.80 min Scan# 119
 Delta R.T. -0.00 min
 Lab File: VF061843.D
 Acq: 5 Mar 2019 13:49

Tgt Ion: 96 Resp: 116503
 Ion Ratio Lower Upper
 96 100
 61 161.5 122.5 183.7
 98 67.5 47.1 70.7

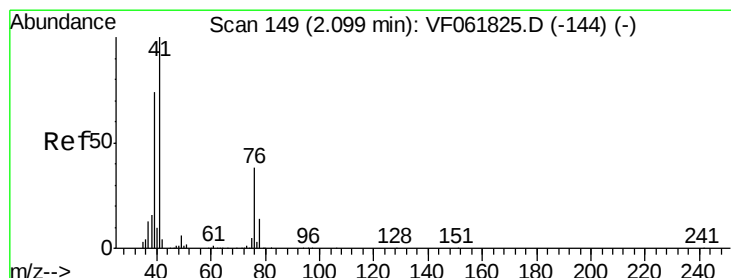
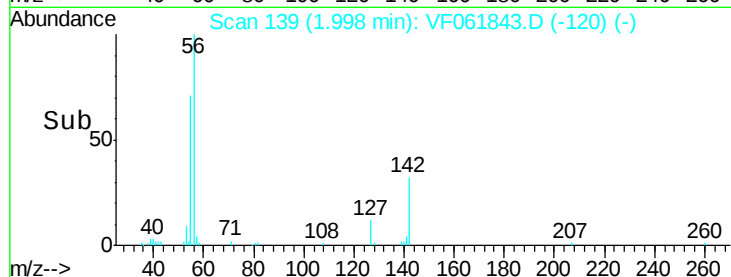
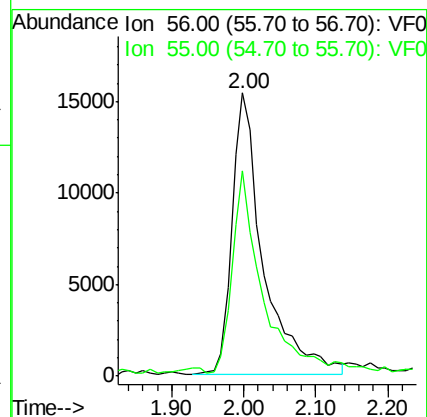
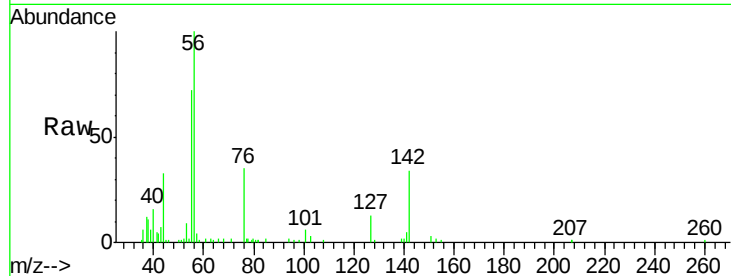




#13
Acrolein
Concen: 282.630 ug/l
RT: 2.00 min Scan# 139
Delta R.T. -0.01 min
Lab File: VF061843.D
Acq: 5 Mar 2019 13:49

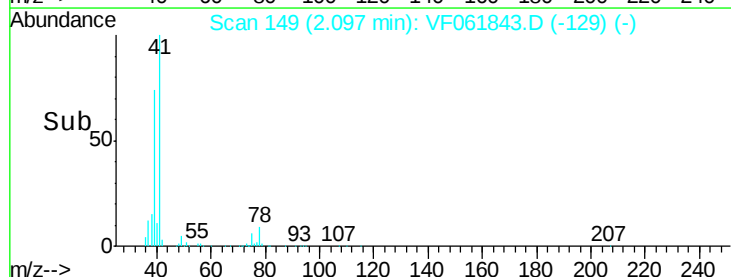
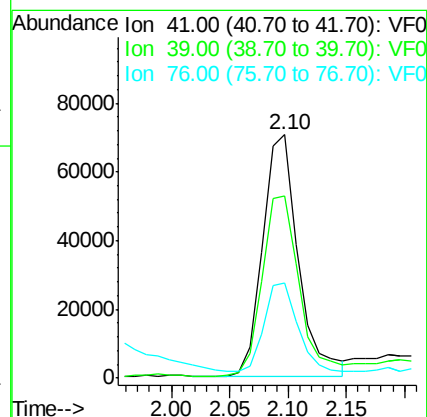
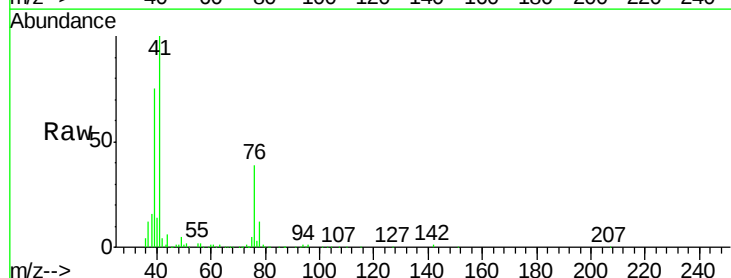
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

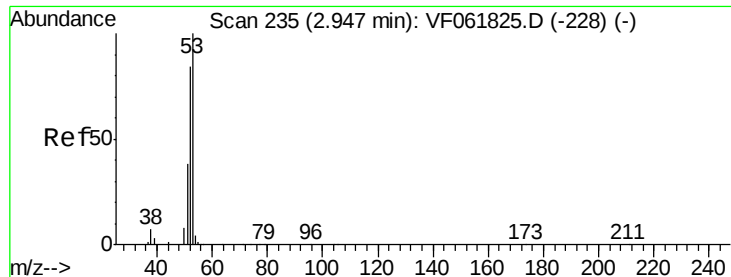
Tot Ion: 56 Resp: 46136
Ion Ratio Lower Upper
56 100
55 72.4 51.3 76.9



#14
Allyl chloride
Concen: 51.269 ug/l
RT: 2.10 min Scan# 149
Delta R.T. -0.00 min
Lab File: VF061843.D
Acq: 5 Mar 2019 13:49

Tgt Ion: 41 Resp: 150553
Ion Ratio Lower Upper
41 100
39 74.8 59.6 89.4
76 39.1 32.3 48.5





#15

Acrylonitrile

Concen: 227.908 ug/l

RT: 2.94 min Scan# 234

Delta R.T. -0.01 min

Lab File: VF061843.D

Acq: 5 Mar 2019 13:49

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

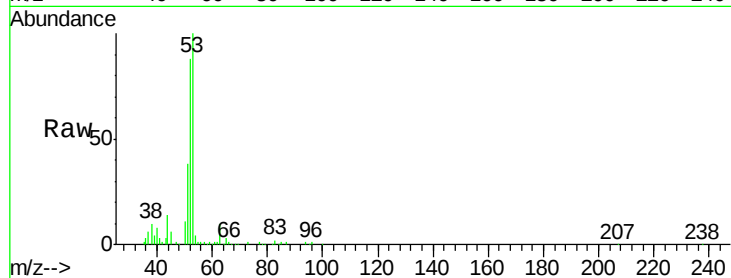
Tot Ion: 53 Resp: 93492

Ion Ratio Lower Upper

53 100

52 87.8 67.4 101.0

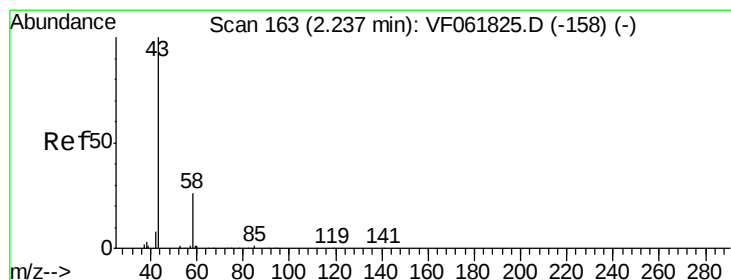
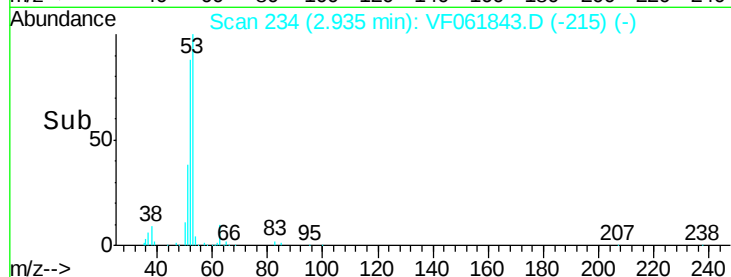
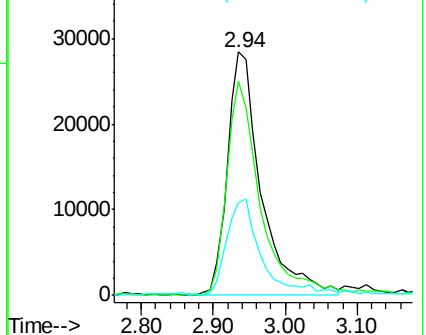
51 38.1 30.7 46.1



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 271.852 ug/l

RT: 2.23 min Scan# 163

Delta R.T. -0.00 min

Lab File: VF061843.D

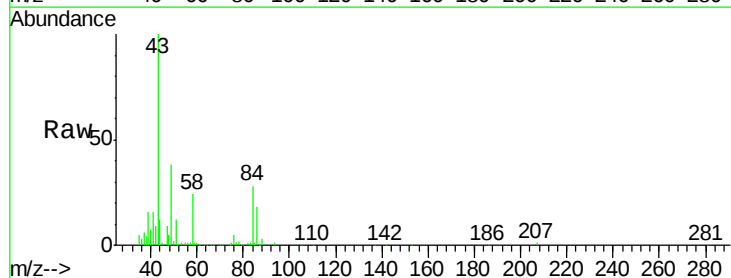
Acq: 5 Mar 2019 13:49

Tgt Ion: 43 Resp: 129249

Ion Ratio Lower Upper

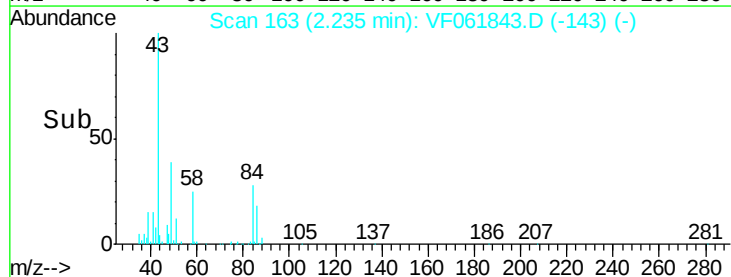
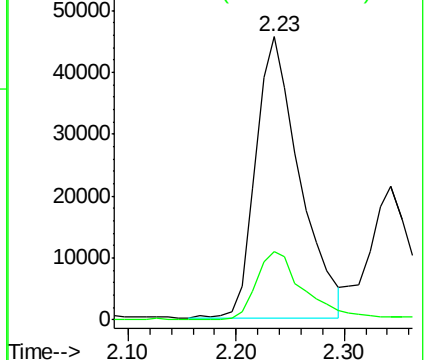
43 100

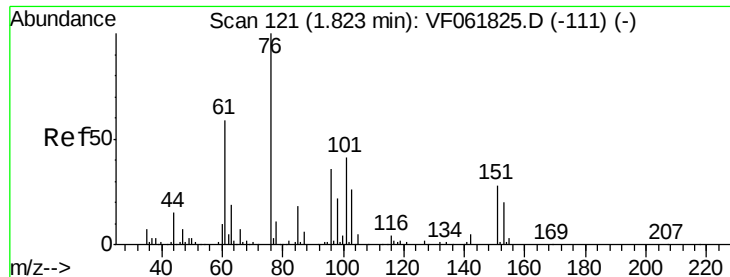
58 23.9 20.3 30.5



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

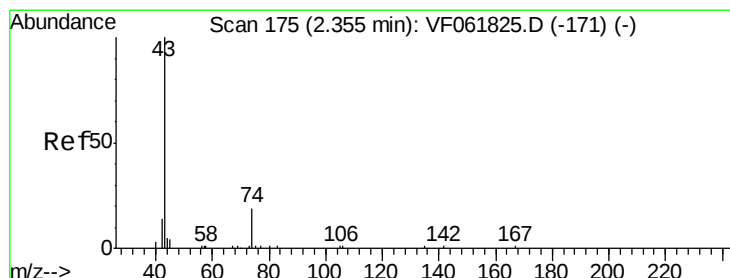
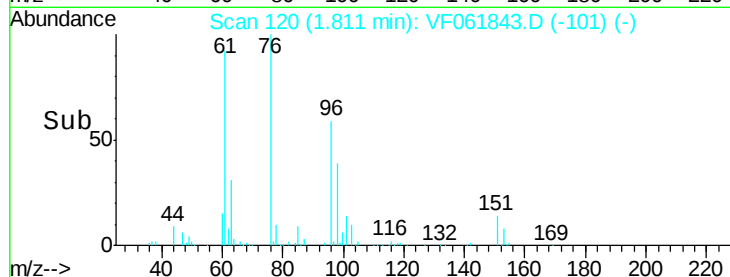
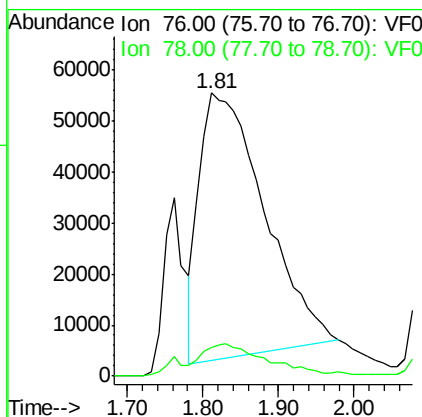
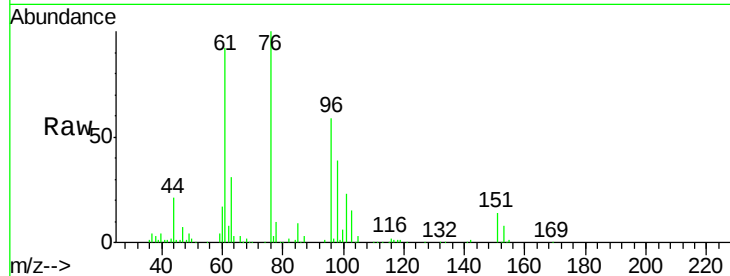




#17
Carbon Disulfide
Concen: 37.481 ug/l
RT: 1.81 min Scan# 120
Delta R.T. -0.01 min
Lab File: VF061843.D
Acq: 5 Mar 2019 13:49

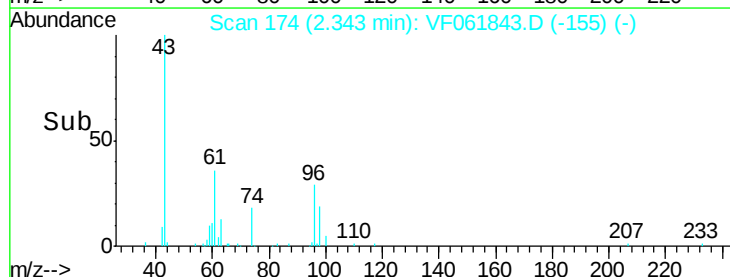
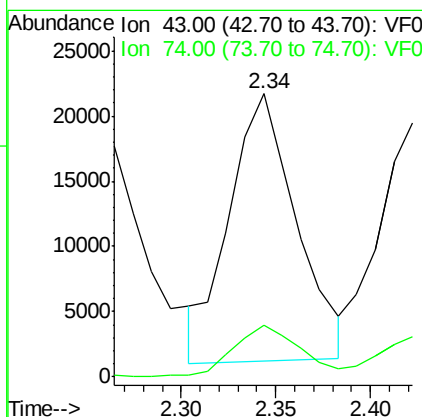
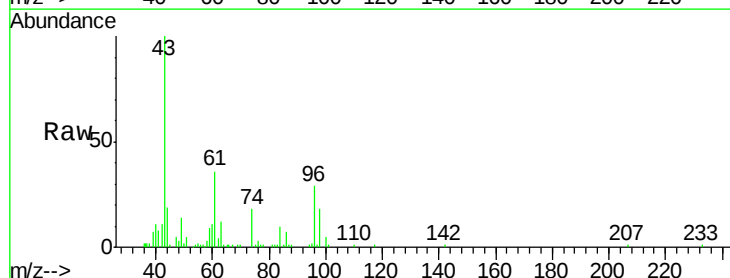
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

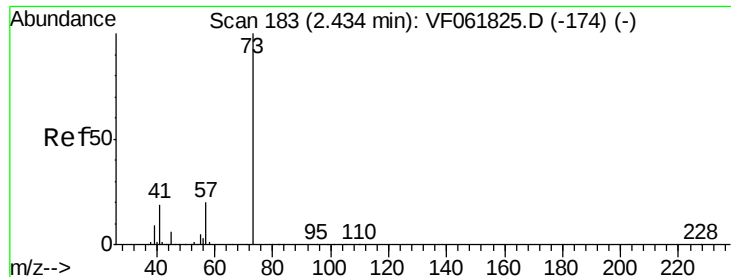
Tot Ion: 76 Resp: 310987
Ion Ratio Lower Upper
76 100
78 10.0 9.1 13.7



#18
Methyl Acetate
Concen: 54.962 ug/l
RT: 2.34 min Scan# 174
Delta R.T. -0.01 min
Lab File: VF061843.D
Acq: 5 Mar 2019 13:49

Tgt Ion: 43 Resp: 50403
Ion Ratio Lower Upper
43 100
74 18.3 13.2 19.8

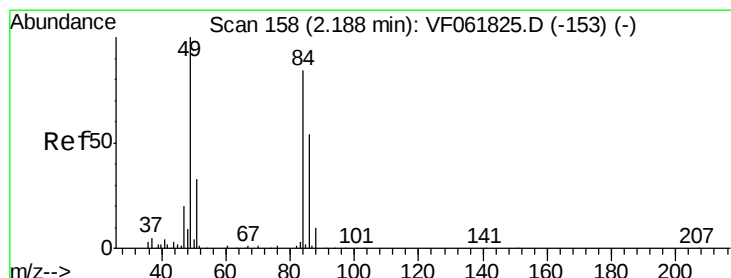
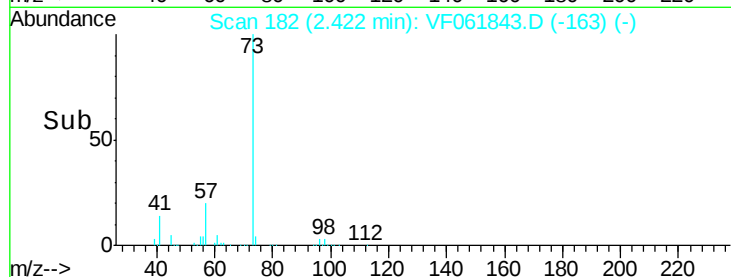
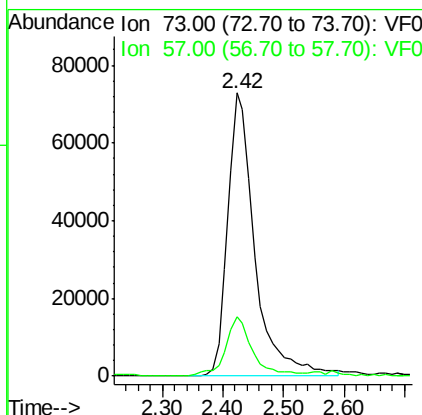
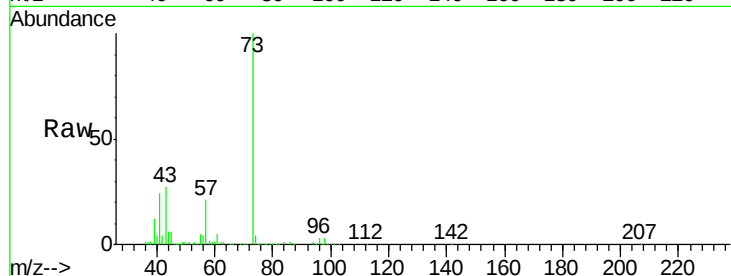




#19
Methvl tert-butvl Ether
Concen: 50.602 ug/l
RT: 2.42 min Scan# 182
Delta R.T. -0.01 min
Lab File: VF061843.D
Acq: 5 Mar 2019 13:49

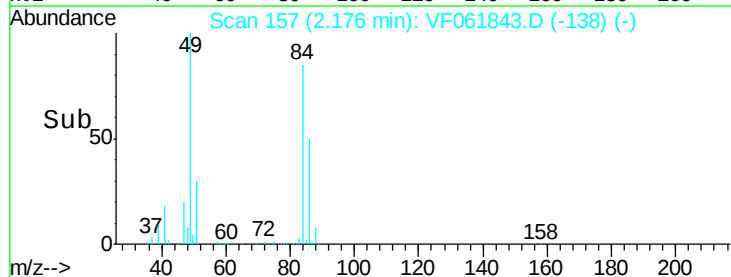
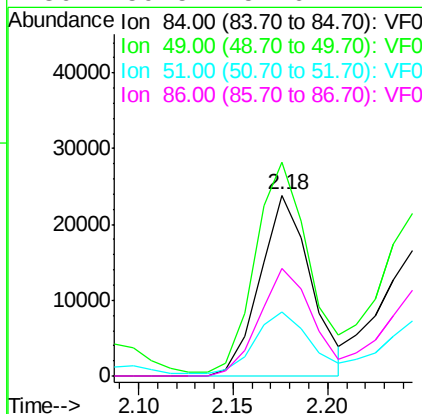
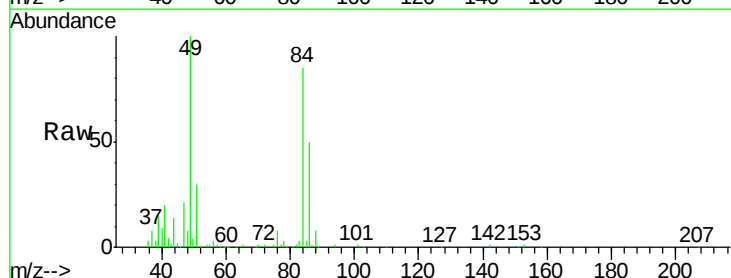
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

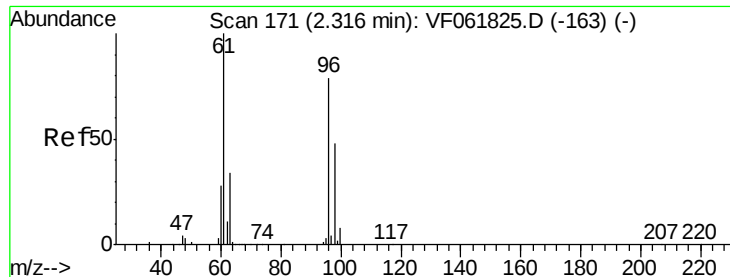
Tot Ion: 73 Resp: 228172
Ion Ratio Lower Upper
73 100
57 21.0 16.1 24.1



#20
Methylene Chloride
Concen: 13.021 ug/l
RT: 2.18 min Scan# 157
Delta R.T. -0.01 min
Lab File: VF061843.D
Acq: 5 Mar 2019 13:49

Tgt Ion: 84 Resp: 44673
Ion Ratio Lower Upper
84 100
49 117.9 96.8 145.2
51 35.6 31.8 47.6
86 59.5 51.6 77.4





#21

trans-1,2-Dichloroethene

Concen: 47.857 ug/l

RT: 2.30 min Scan# 170

Delta R.T. -0.01 min

Lab File: VF061843.D

Acq: 5 Mar 2019 13:49

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

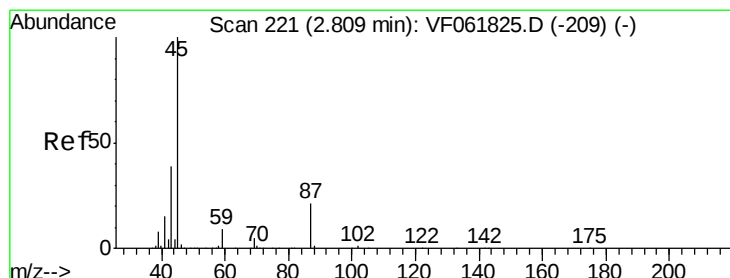
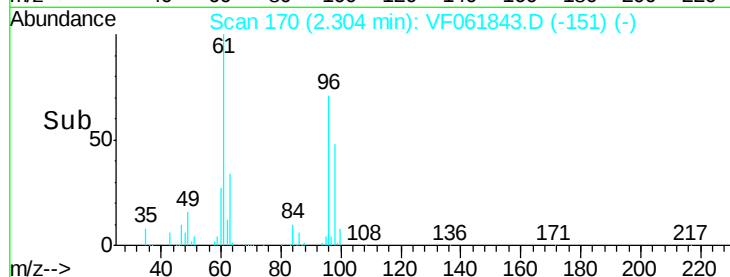
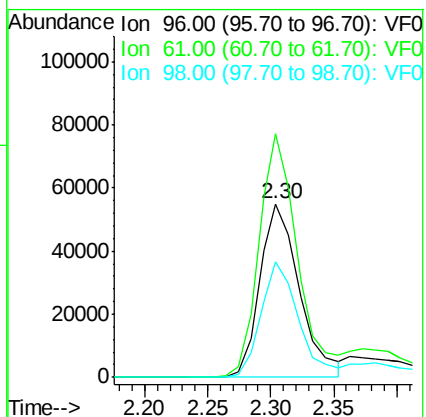
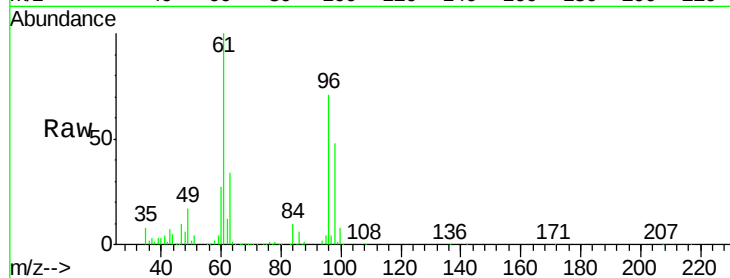
Tot Ion: 96 Resp: 120058

Ion Ratio Lower Upper

96 100

61 140.4 101.0 151.6

98 66.9 48.8 73.2



#22

Diisopropyl ether

Concen: 52.541 ug/l

RT: 2.80 min Scan# 220

Delta R.T. -0.01 min

Lab File: VF061843.D

Acq: 5 Mar 2019 13:49

Tgt Ion: 45 Resp: 401339

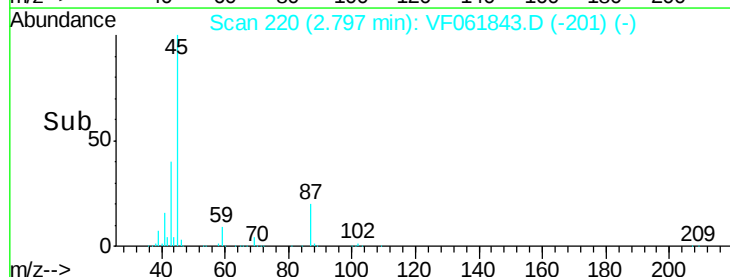
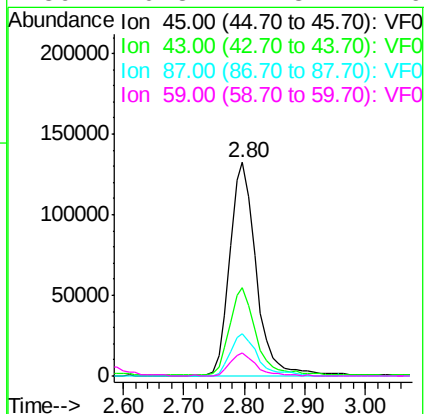
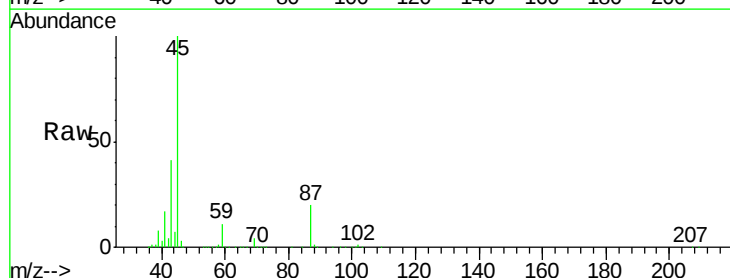
Ion Ratio Lower Upper

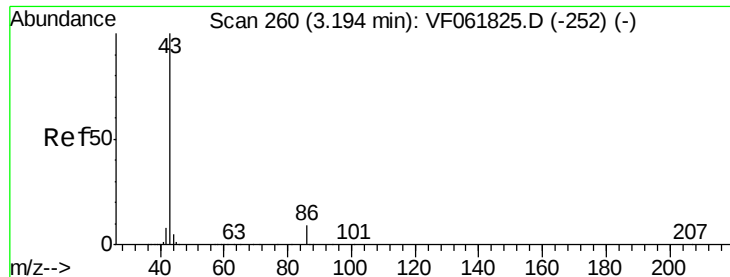
45 100

43 41.1 31.8 47.8

87 20.0 17.1 25.7

59 10.8 7.8 11.6





#23

Vinyl Acetate

Concen: 253.182 ug/l

RT: 3.18 min Scan# 259

Delta R.T. -0.01 min

Lab File: VF061843.D

Acq: 5 Mar 2019 13:49

Instrument :

MSVOA_F

ClientSampleId :

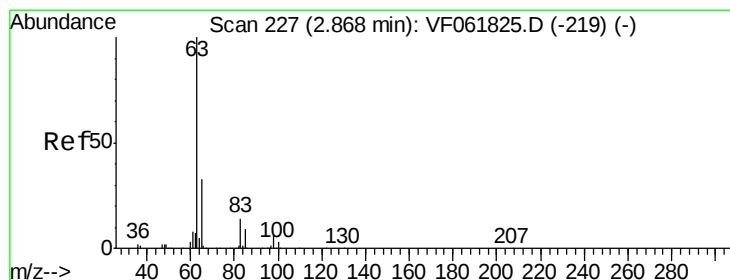
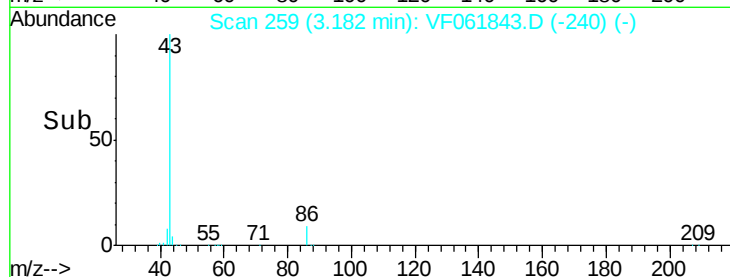
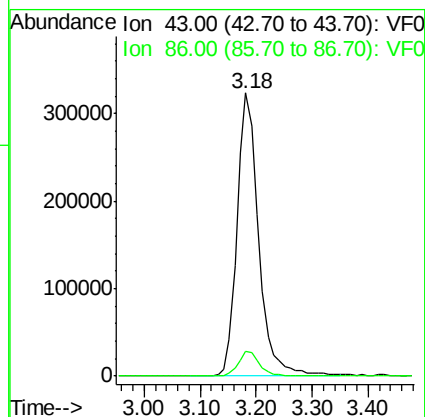
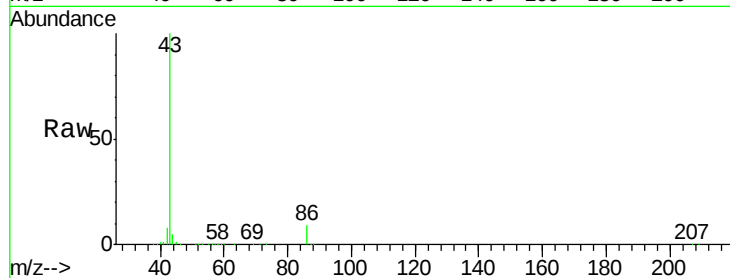
VSTDCCC050

Tot Ion: 43 Resp: 863965

Ion Ratio Lower Upper

43 100

86 8.6 7.0 10.4



#24

1,1-Dichloroethane

Concen: 49.858 ug/l

RT: 2.87 min Scan# 227

Delta R.T. -0.00 min

Lab File: VF061843.D

Acq: 5 Mar 2019 13:49

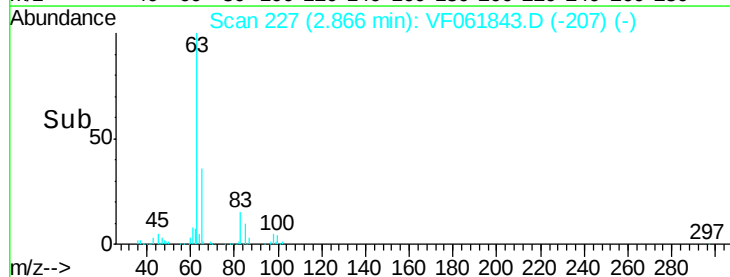
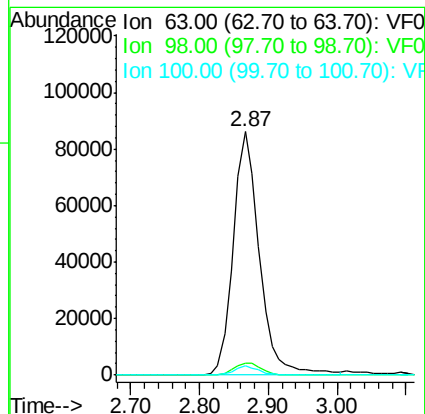
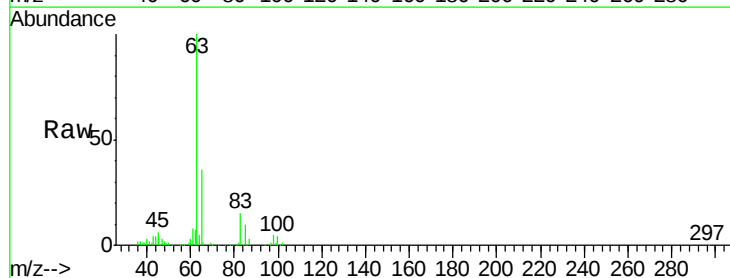
Tgt Ion: 63 Resp: 227635

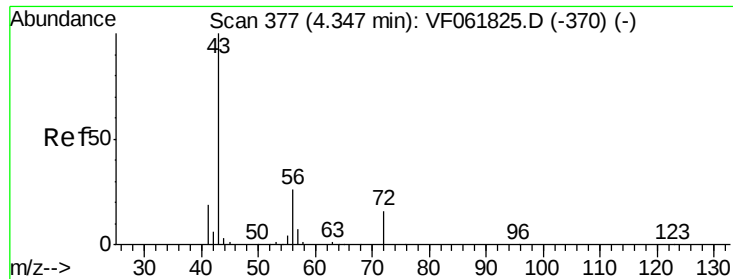
Ion Ratio Lower Upper

63 100

98 4.9 2.9 8.6

100 3.8 1.8 5.3





#25

2-Butanone

Concen: 243.354 ug/l

RT: 4.34 min Scan# 376

Delta R.T. -0.01 min

Lab File: VF061843.D

Acq: 5 Mar 2019 13:49

Instrument :

MSVOA_F

ClientSampleId :

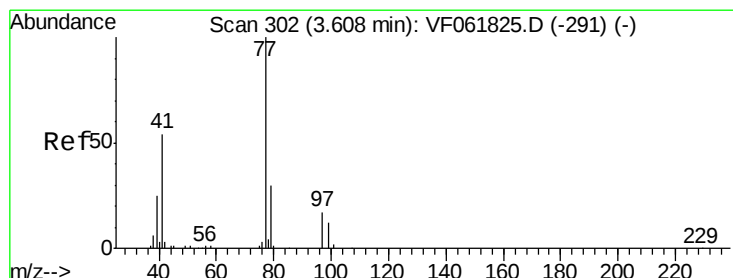
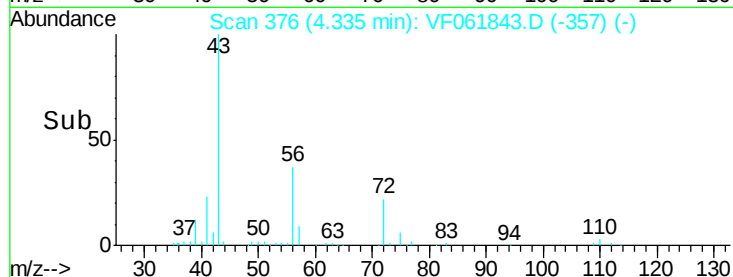
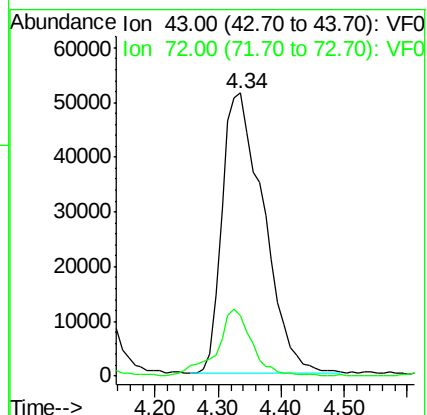
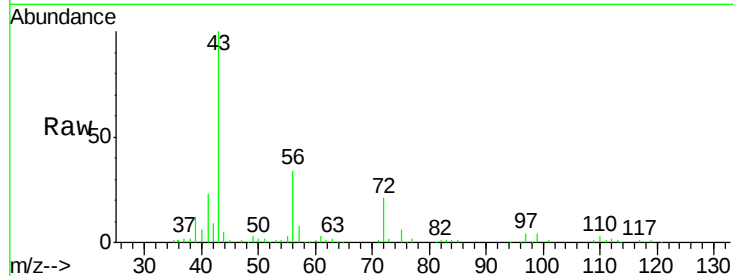
VSTDCCC050

Tot Ion: 43 Resp: 235344

Ion Ratio Lower Upper

43 100

72 21.3 16.2 24.4



#26

2,2-Dichloropropane

Concen: 51.234 ug/l

RT: 3.60 min Scan# 301

Delta R.T. -0.01 min

Lab File: VF061843.D

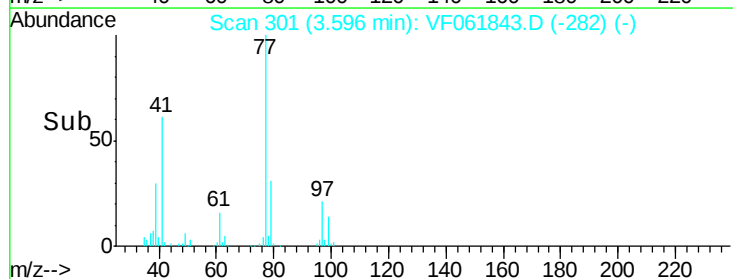
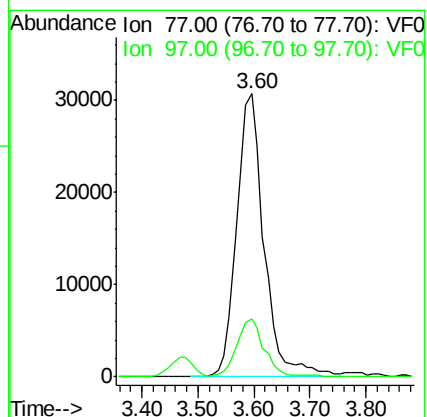
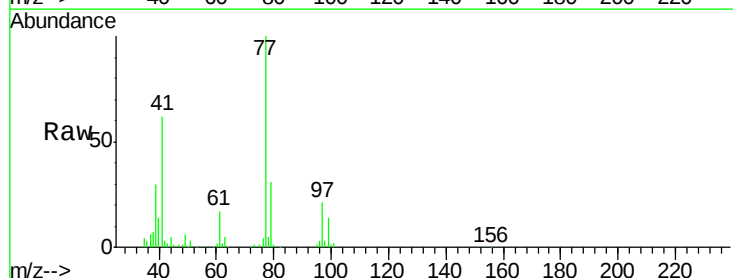
Acq: 5 Mar 2019 13:49

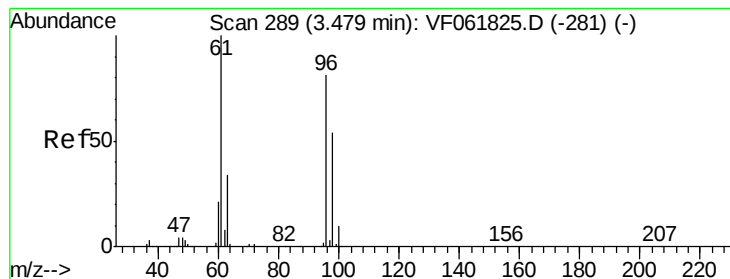
Tgt Ion: 77 Resp: 104423

Ion Ratio Lower Upper

77 100

97 20.5 10.4 31.4



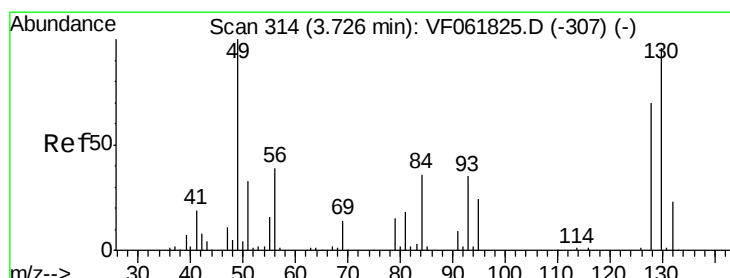
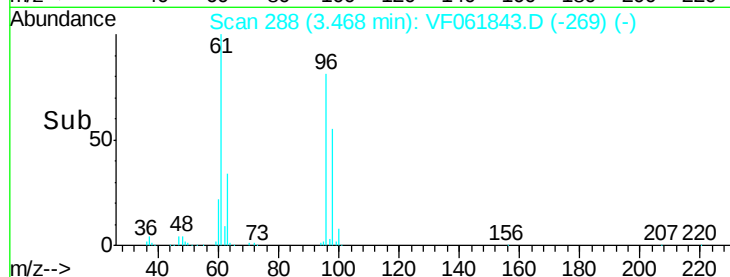
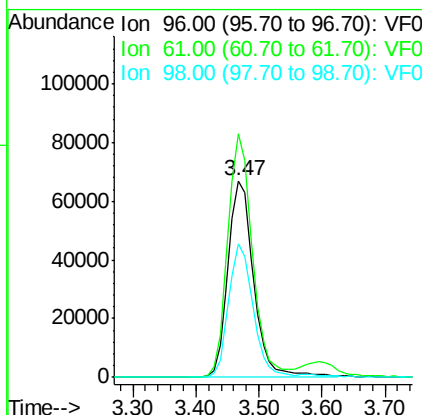
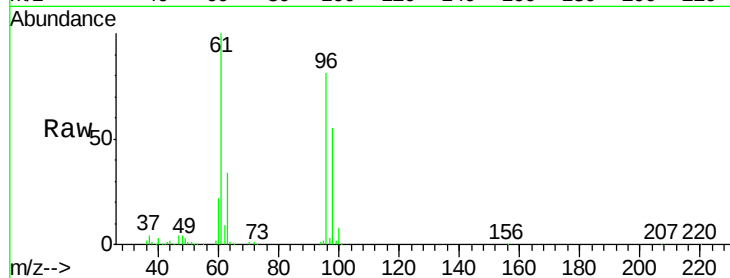


#27

cis-1,2-Dichloroethene
 Concen: 54.432 ug/l
 RT: 3.47 min Scan# 288
 Delta R.T. -0.01 min
 Lab File: VF061843.D
 Acq: 5 Mar 2019 13:49

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

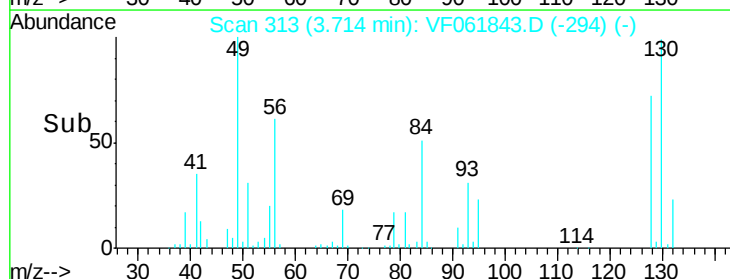
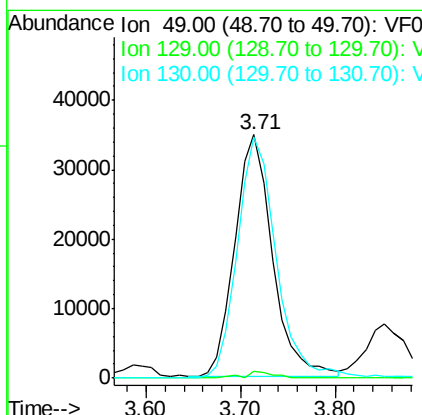
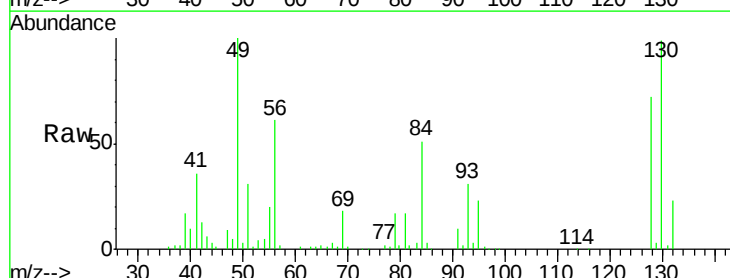
Tot Ion: 96 Resp: 189184
 Ion Ratio Lower Upper
 96 100
 61 123.7 0.0 245.8
 98 67.7 0.0 132.6

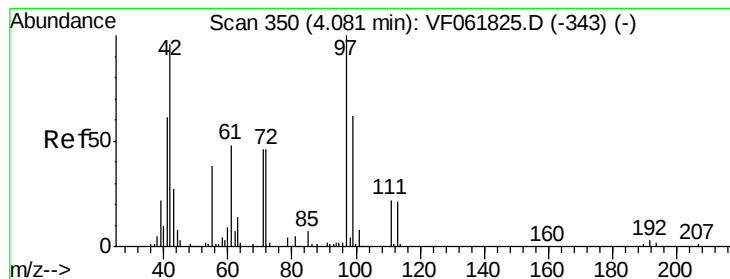


#28

Bromochloromethane
 Concen: 48.047 ug/l
 RT: 3.71 min Scan# 313
 Delta R.T. -0.01 min
 Lab File: VF061843.D
 Acq: 5 Mar 2019 13:49

Tgt Ion: 49 Resp: 95623
 Ion Ratio Lower Upper
 49 100
 129 2.7 0.0 0.0#
 130 98.9 76.9 115.3





#29

Tetrahydrofuran

Concen: 236.248 ug/l

RT: 4.07 min Scan# 349

Delta R.T. -0.01 min

Lab File: VF061843.D

Acq: 5 Mar 2019 13:49

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

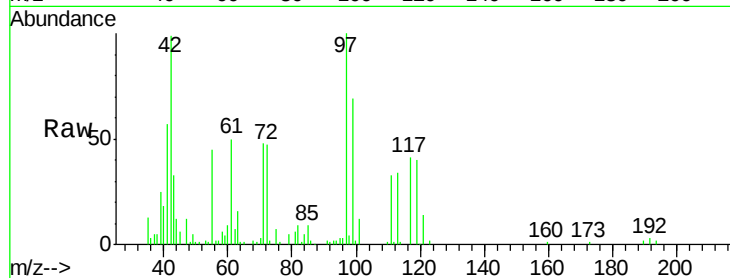
Tot Ion: 42 Resp: 98533

Ion Ratio Lower Upper

42 100

72 43.1 34.4 51.6

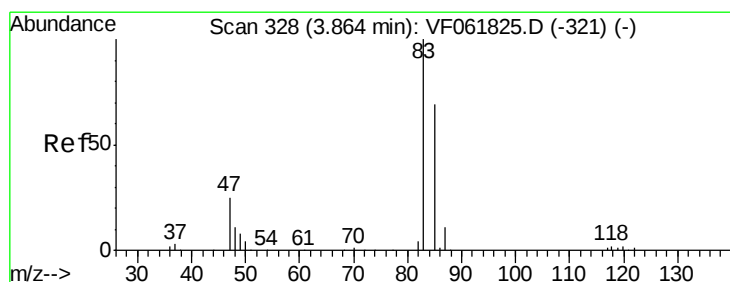
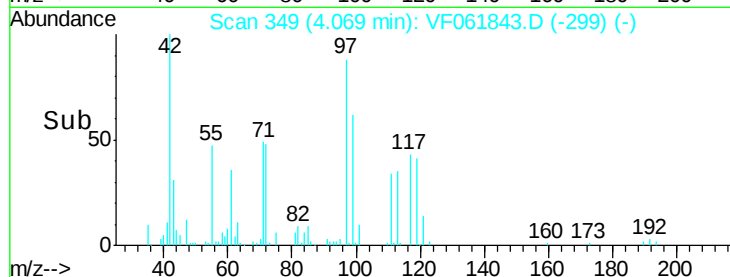
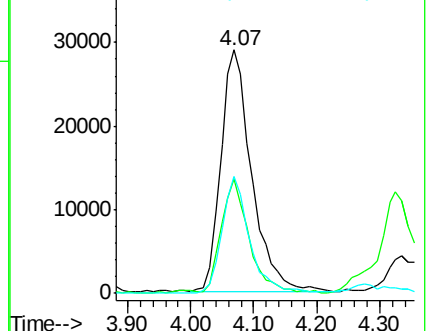
71 43.4 34.6 52.0



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: 52.287 ug/l

RT: 3.85 min Scan# 327

Delta R.T. -0.01 min

Lab File: VF061843.D

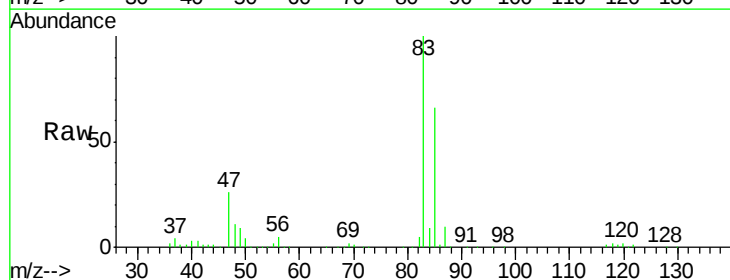
Acq: 5 Mar 2019 13:49

Tgt Ion: 83 Resp: 272679

Ion Ratio Lower Upper

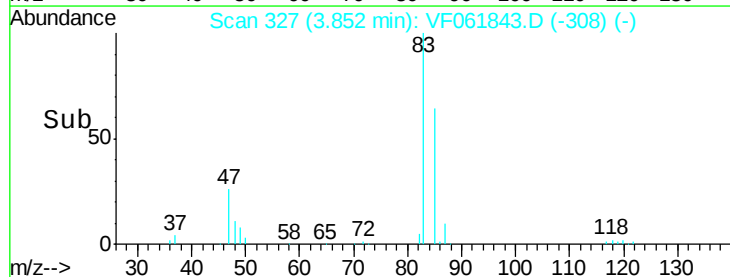
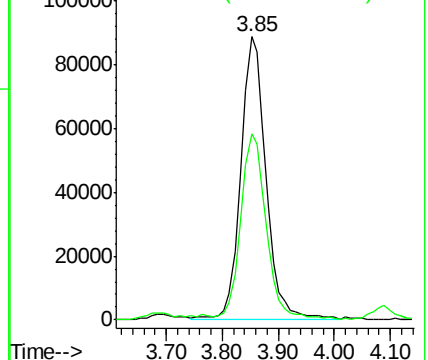
83 100

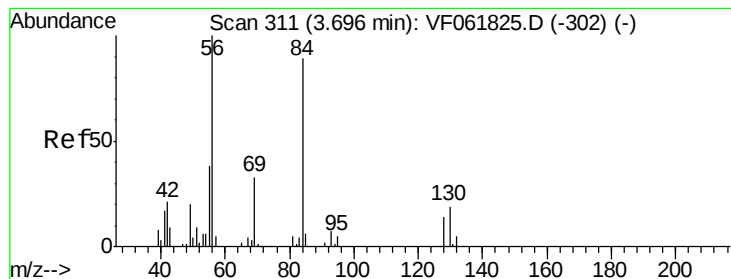
85 65.6 55.3 82.9



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0





#31

Cyclohexane

Concen: 28.831 ug/l

RT: 3.68 min Scan# 310

Delta R.T. -0.01 min

Lab File: VF061843.D

Acq: 5 Mar 2019 13:49

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

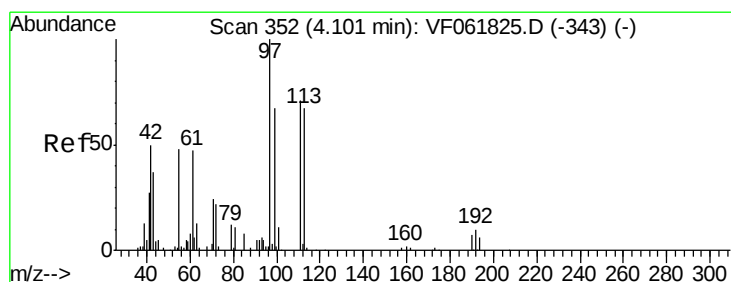
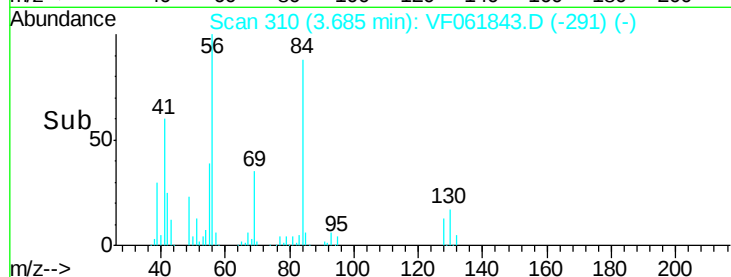
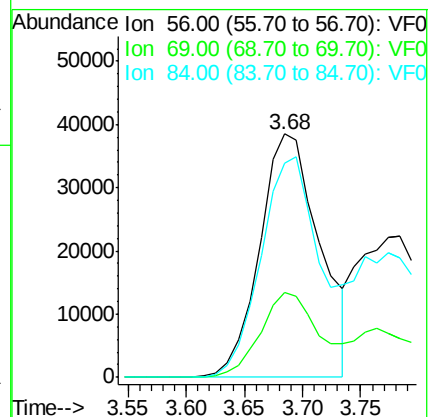
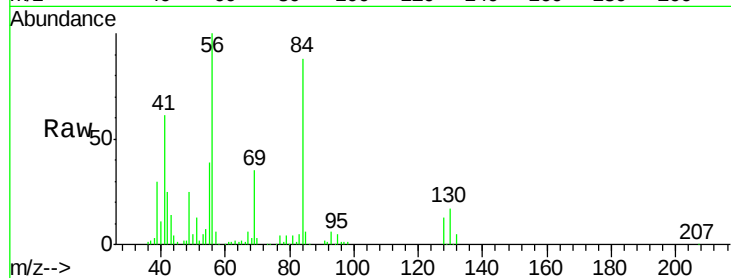
Tot Ion: 56 Resp: 137872

Ion Ratio Lower Upper

56 100

69 34.9 26.0 39.0

84 88.1 71.0 106.6



#32

1,1,1-Trichloroethane

Concen: 48.411 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.01 min

Lab File: VF061843.D

Acq: 5 Mar 2019 13:49

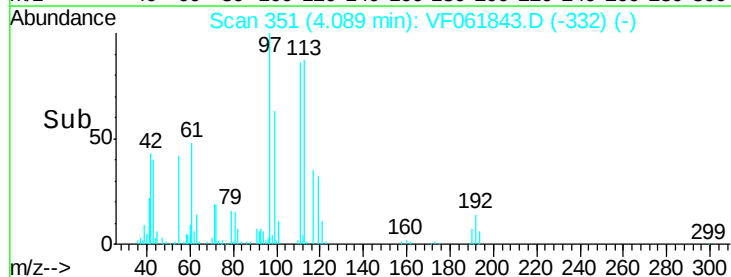
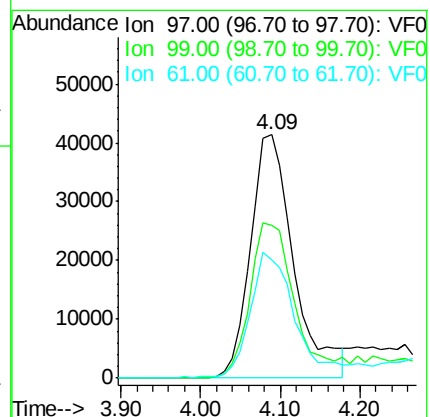
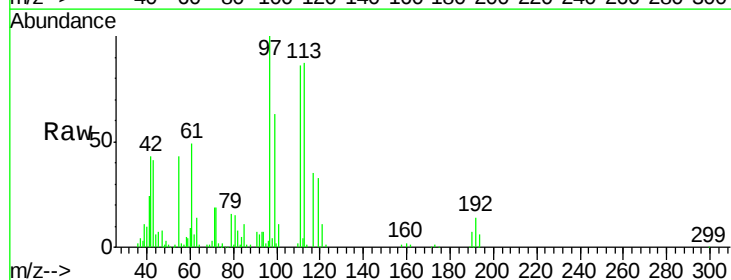
Tgt Ion: 97 Resp: 155615

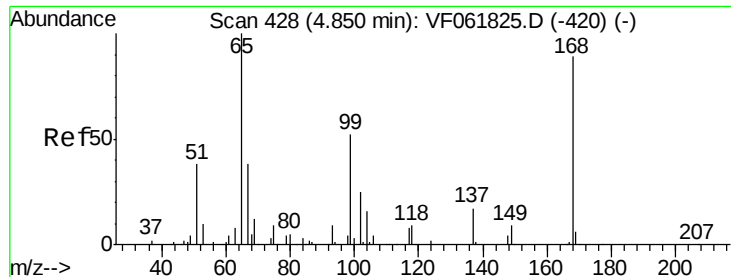
Ion Ratio Lower Upper

97 100

99 62.9 53.8 80.8

61 48.6 37.9 56.9

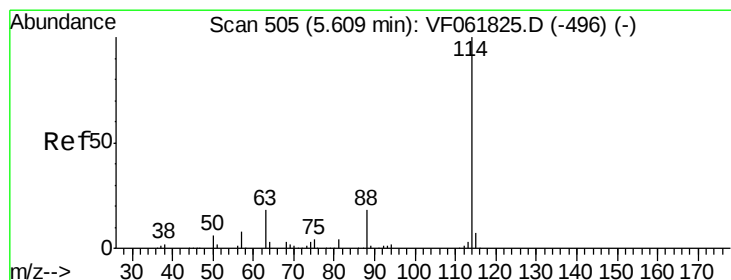
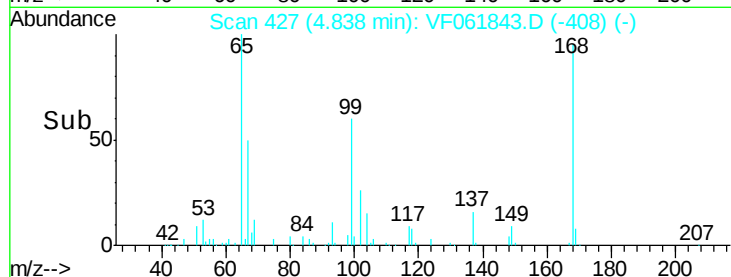
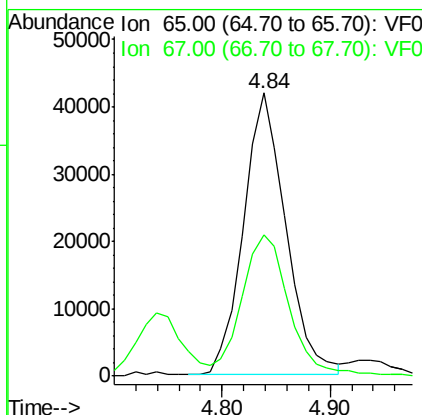
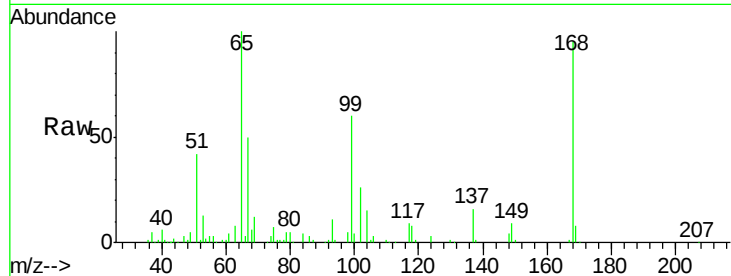




#33
 1,2-Dichloroethane-d4
 Concen: 50.338 ug/l
 RT: 4.84 min Scan# 427
 Delta R.T. -0.01 min
 Lab File: VF061843.D
 Acq: 5 Mar 2019 13:49

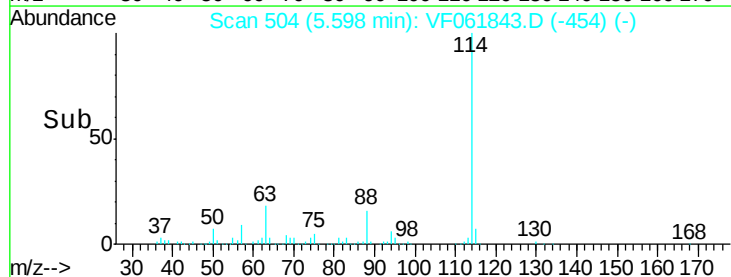
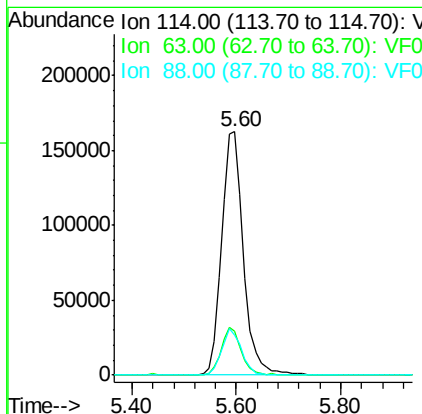
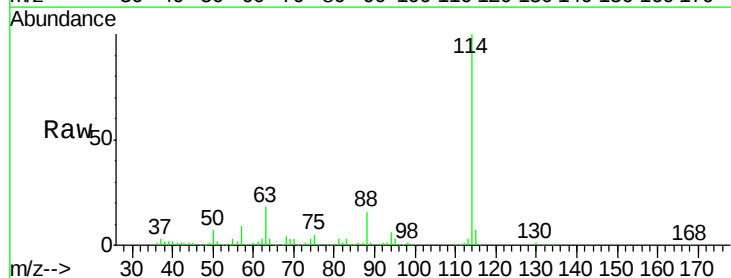
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

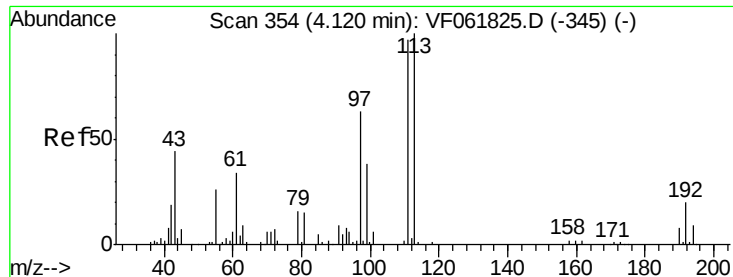
Tot Ion: 65 Resp: 114252
 Ion Ratio Lower Upper
 65 100
 67 49.9 0.0 108.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.60 min Scan# 504
 Delta R.T. -0.01 min
 Lab File: VF061843.D
 Acq: 5 Mar 2019 13:49

Tgt Ion: 114 Resp: 469488
 Ion Ratio Lower Upper
 114 100
 63 18.3 0.0 35.6
 88 16.4 0.0 35.6





#35

Dibromofluoromethane

Concen: 51.945 ug/l

RT: 4.11 min Scan# 353

Delta R.T. -0.01 min

Lab File: VF061843.D

Acq: 5 Mar 2019 13:49

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

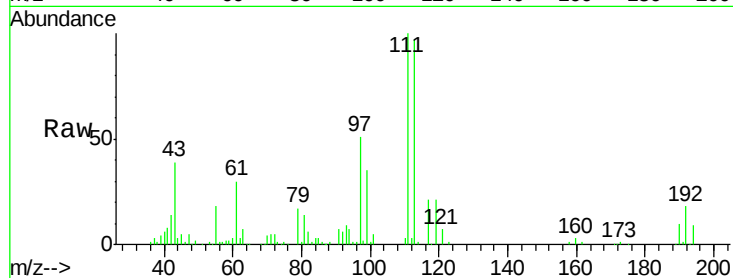
Tot Ion:113 Resp: 170193

Ion Ratio Lower Upper

113 100

111 102.8 77.6 116.4

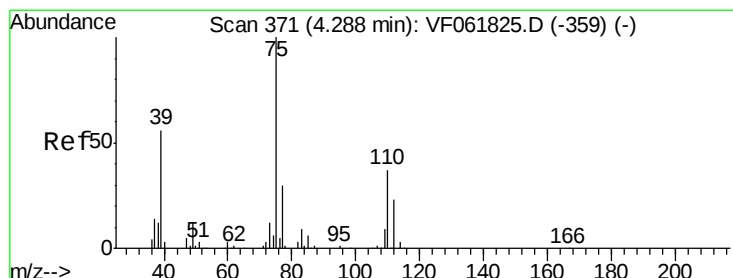
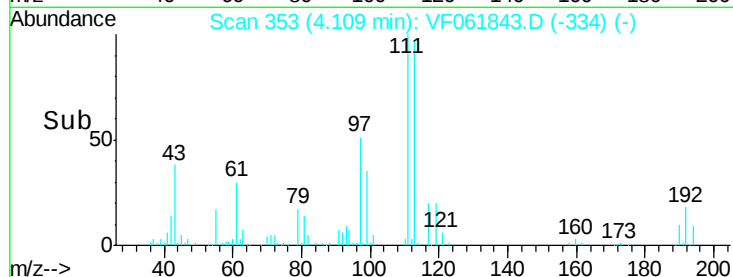
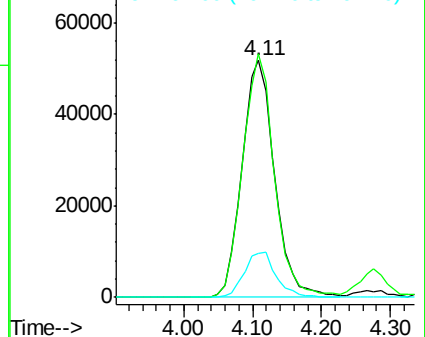
192 18.7 15.9 23.9



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 51.184 ug/l

RT: 4.28 min Scan# 370

Delta R.T. -0.01 min

Lab File: VF061843.D

Acq: 5 Mar 2019 13:49

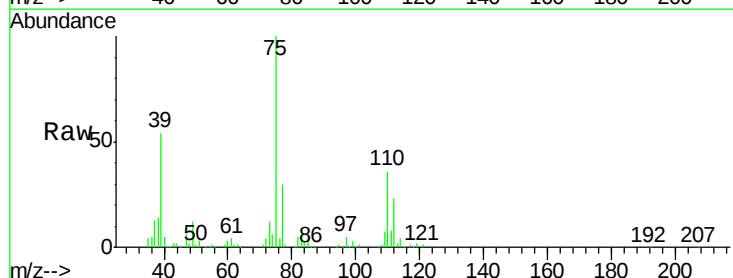
Tgt Ion: 75 Resp: 226995

Ion Ratio Lower Upper

75 100

110 35.5 18.6 55.6

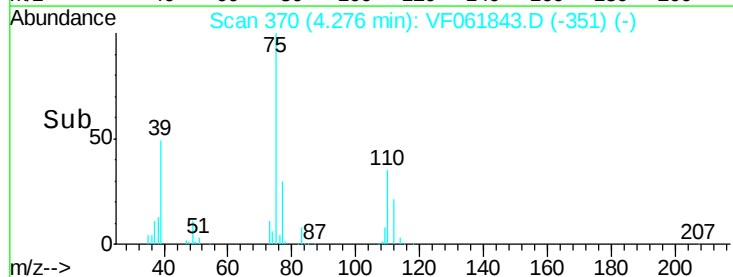
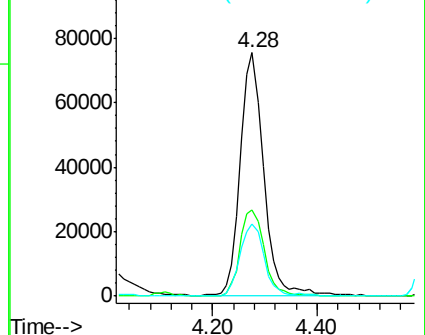
77 29.6 24.2 36.2

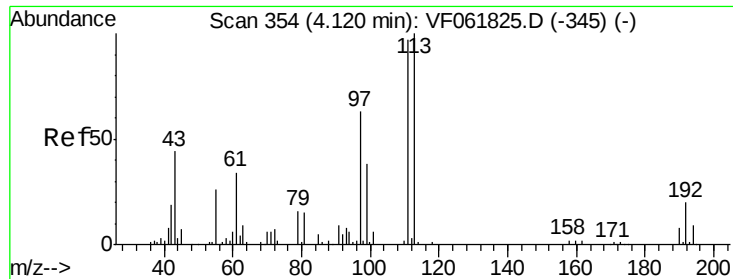


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0





#37

Ethyl Acetate

Concen: 46.992 ug/l

RT: 4.11 min Scan# 353

Delta R.T. -0.01 min

Lab File: VF061843.D

Acq: 5 Mar 2019 13:49

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

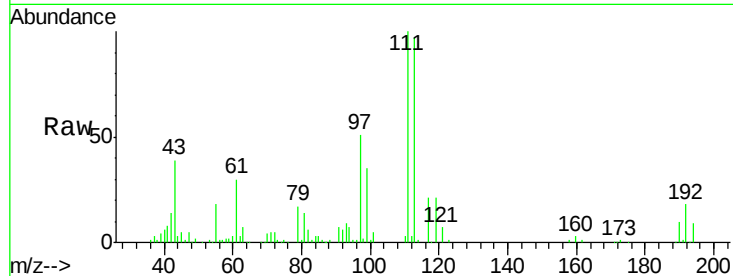
Tot Ion: 43 Resp: 87473

Ion Ratio Lower Upper

43 100

61 77.2 60.7 91.1

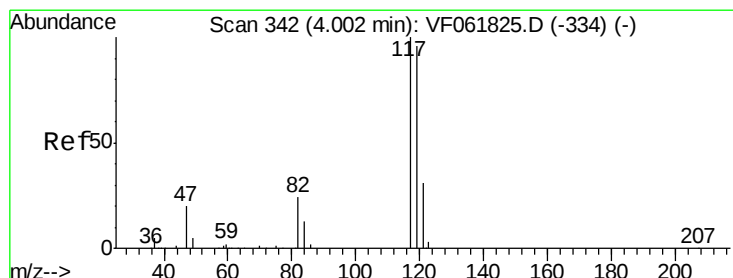
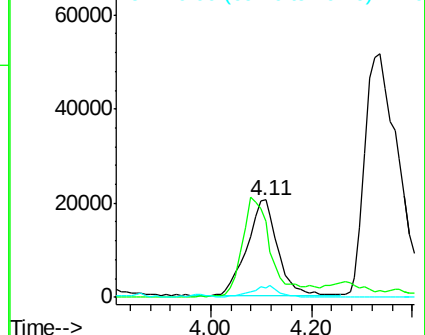
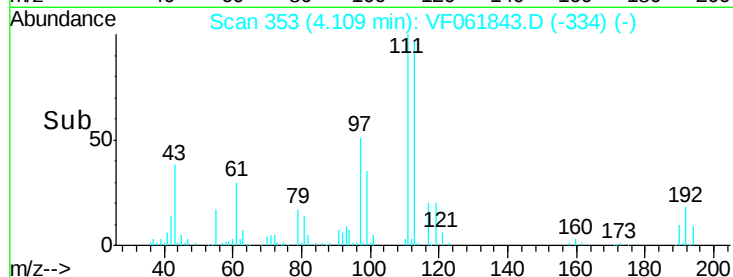
70 10.0 10.6 15.8#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0



#38

Carbon Tetrachloride

Concen: 49.759 ug/l

RT: 3.98 min Scan# 340

Delta R.T. -0.02 min

Lab File: VF061843.D

Acq: 5 Mar 2019 13:49

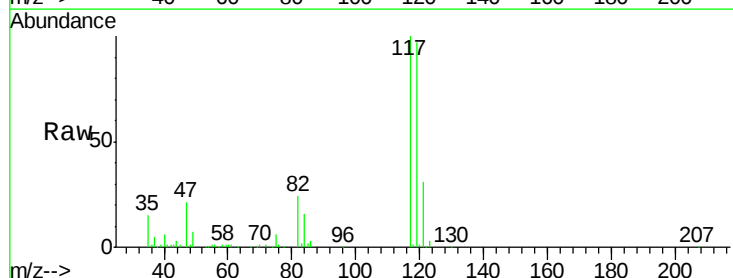
Tgt Ion: 117 Resp: 156215

Ion Ratio Lower Upper

117 100

119 97.5 76.6 114.8

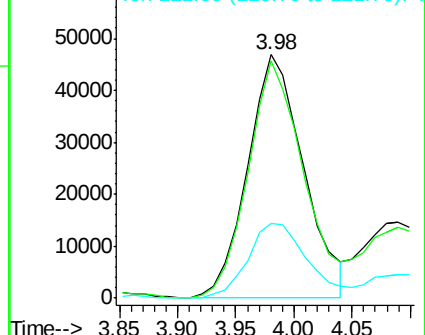
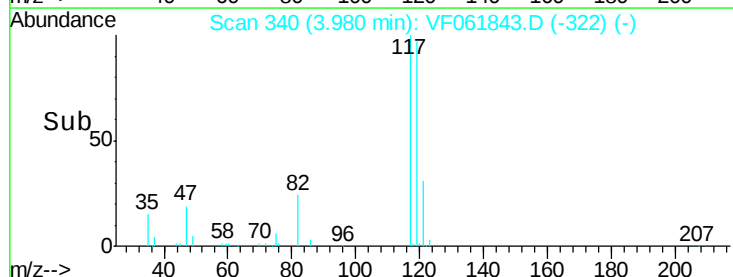
121 30.8 24.4 36.6

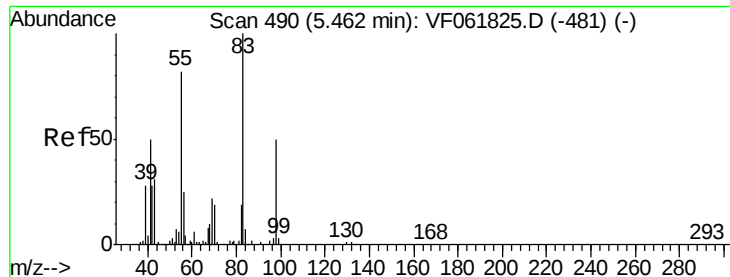


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V

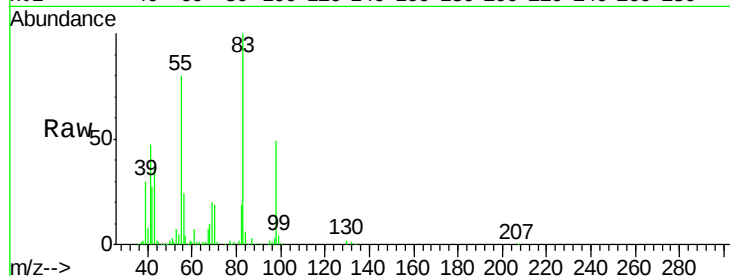




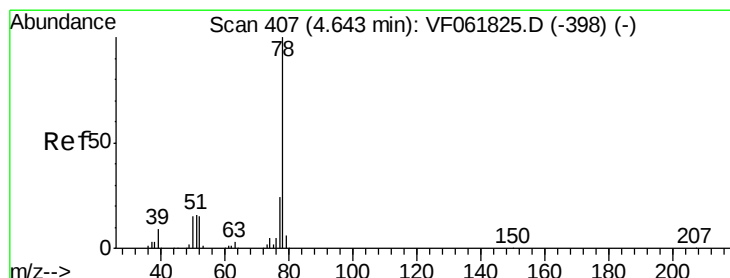
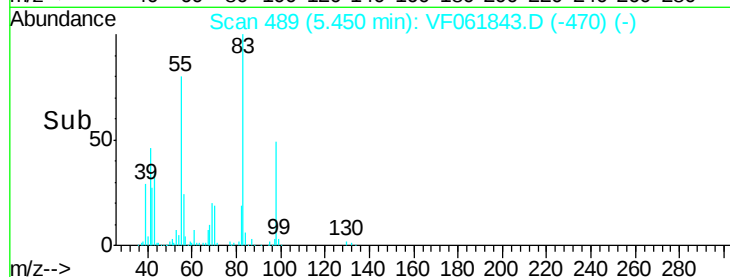
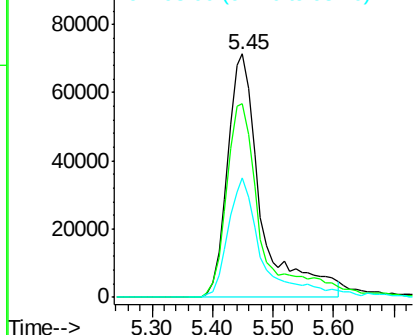
#39
Methvlcvclohexane
Concen: 52.881 ug/l
RT: 5.45 min Scan# 489
Delta R.T. -0.01 min
Lab File: VF061843.D
Acq: 5 Mar 2019 13:49

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 277002
Ion Ratio Lower Upper
83 100
55 79.6 66.0 99.0
98 48.9 39.8 59.6

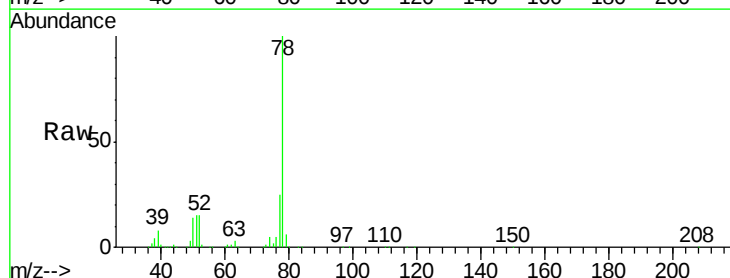


Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0

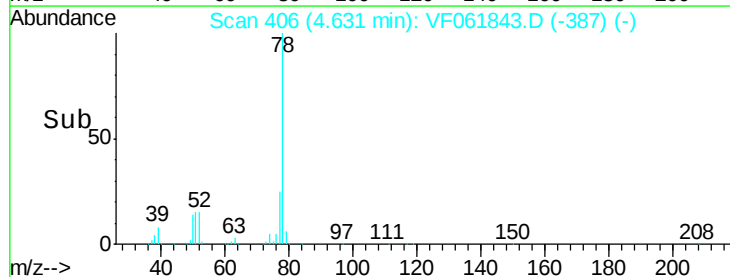
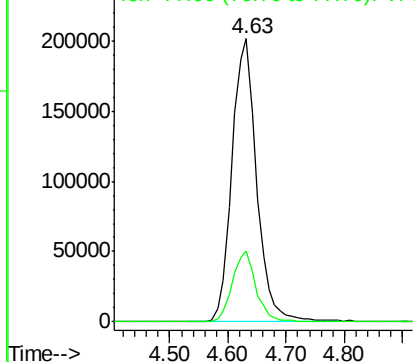


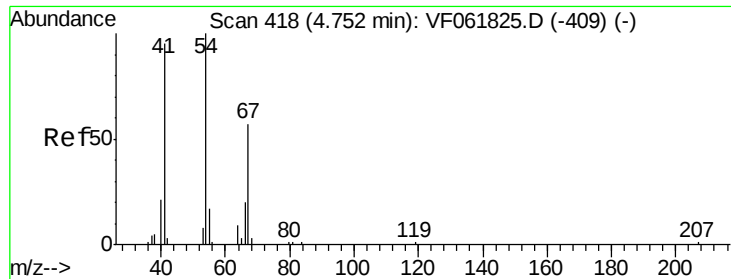
#40
Benzene
Concen: 51.372 ug/l
RT: 4.63 min Scan# 406
Delta R.T. -0.01 min
Lab File: VF061843.D
Acq: 5 Mar 2019 13:49

Tgt Ion: 78 Resp: 595518
Ion Ratio Lower Upper
78 100
77 25.0 19.5 29.3



Abundance Ion 78.10 (77.80 to 78.80): VF0
Ion 77.00 (76.70 to 77.70): VF0

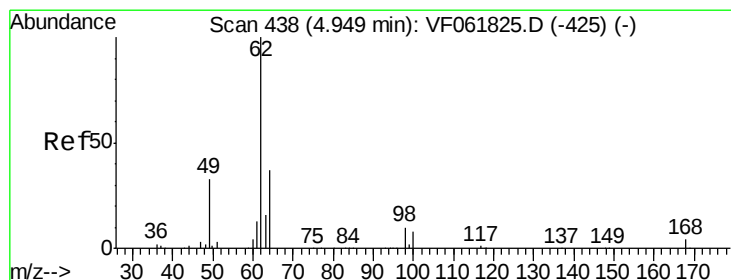
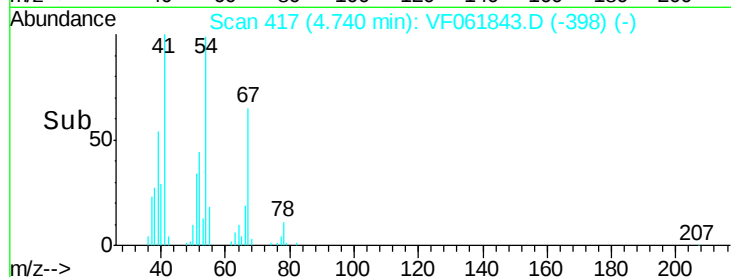
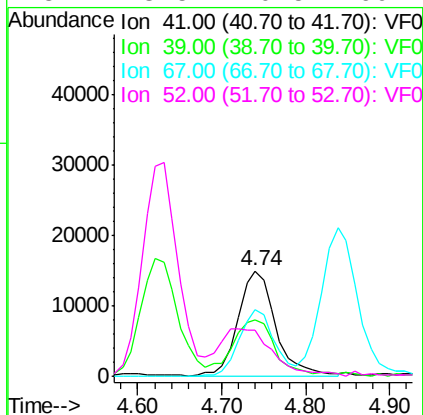
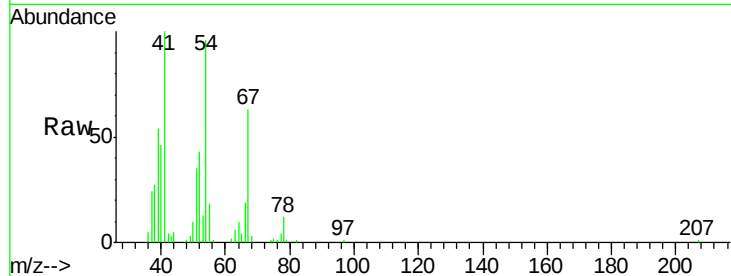




#41
Methacrylonitrile
Concen: 45.594 ug/l
RT: 4.74 min Scan# 417
Delta R.T. -0.01 min
Lab File: VF061843.D
Acq: 5 Mar 2019 13:49

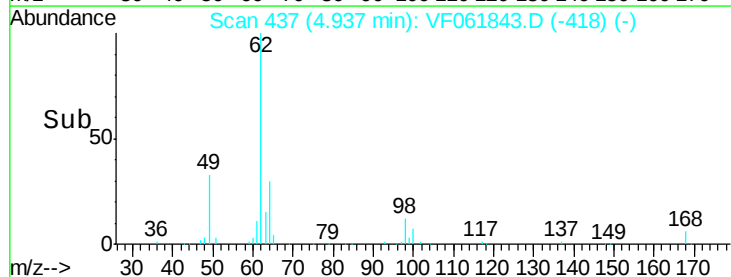
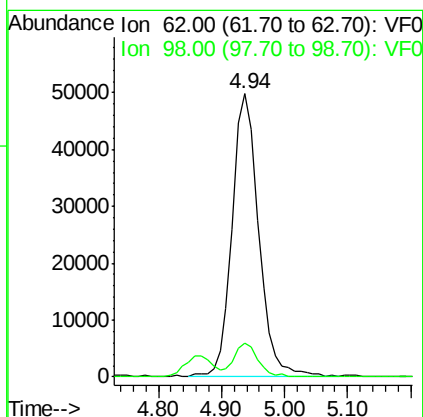
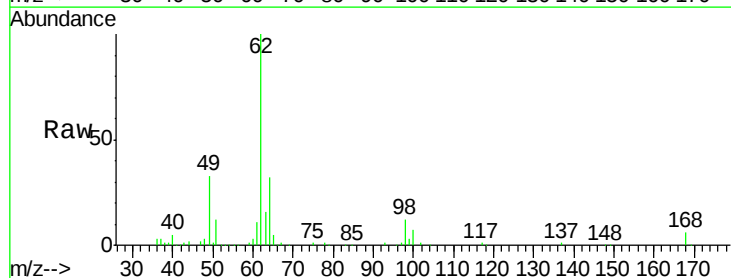
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

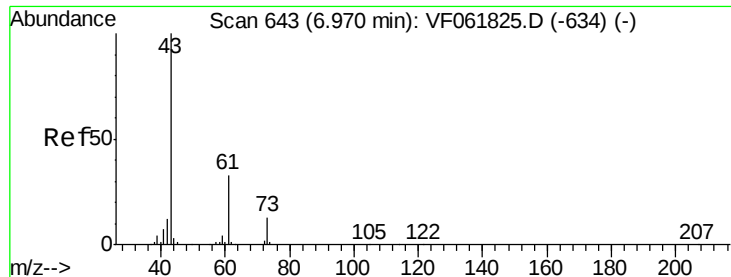
Tot Ion:	41	Resp:	46500
Ion	Ratio	Lower	Upper
41	100		
39	53.9	43.0	64.6
67	63.2	47.8	71.8
52	43.5	40.5	60.7



#42
1,2-Dichloroethane
Concen: 50.327 ug/l
RT: 4.94 min Scan# 437
Delta R.T. -0.01 min
Lab File: VF061843.D
Acq: 5 Mar 2019 13:49

Tgt Ion:	62	Resp:	145389
Ion	Ratio	Lower	Upper
62	100		
98	11.8	0.0	21.0



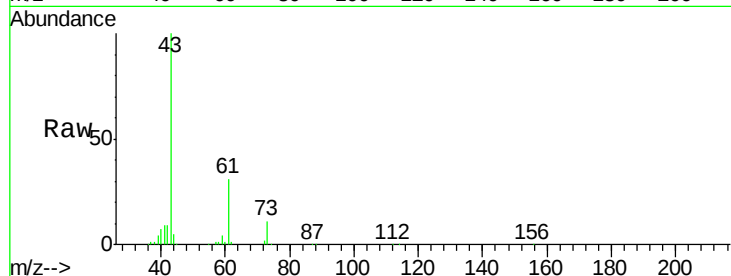


#43

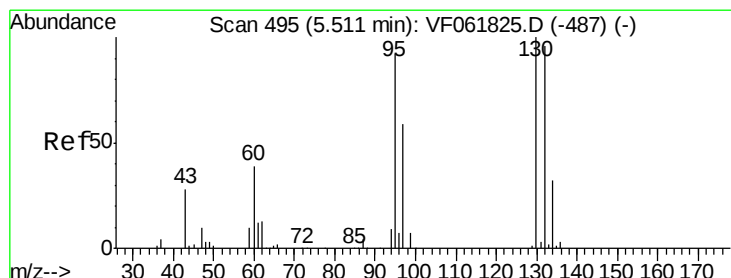
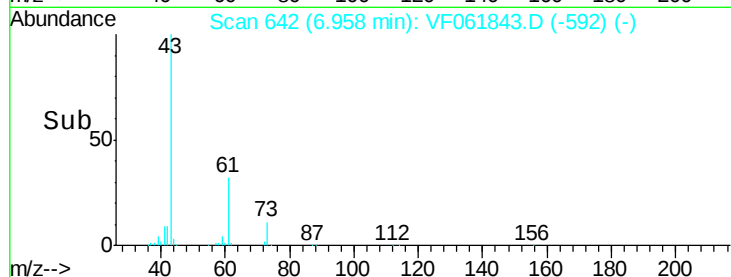
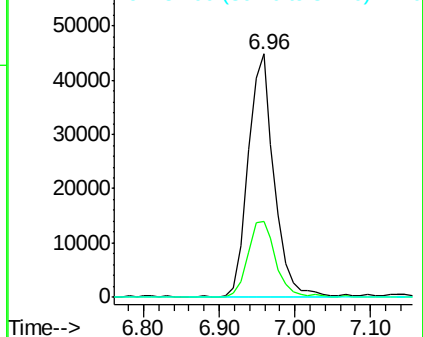
Isopropyl Acetate
 Concen: 46.838 ug/l
 RT: 6.96 min Scan# 642
 Delta R.T. -0.01 min
 Lab File: VF061843.D
 Acq: 5 Mar 2019 13:49

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 107473
 Ion Ratio Lower Upper
 43 100
 61 31.4 26.1 39.1
 87 0.3 0.0 0.0#



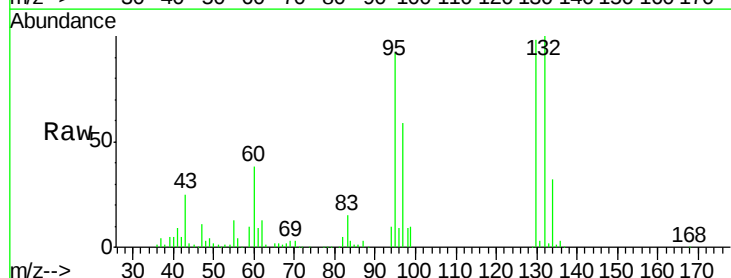
Abundance Ion 43.00 (42.70 to 43.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 87.00 (86.70 to 87.70): VF0



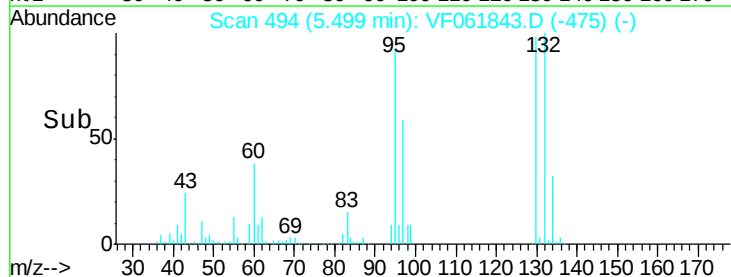
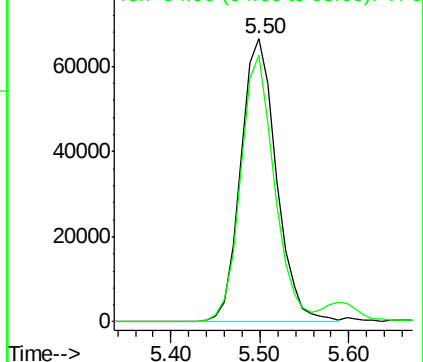
#44

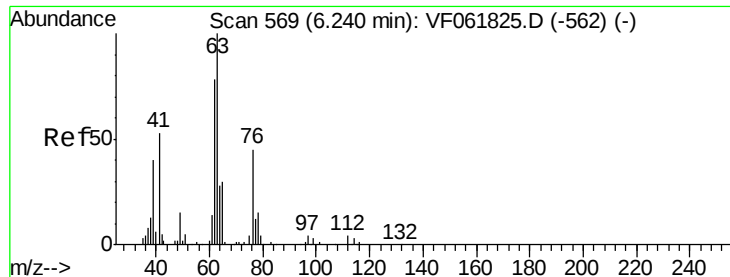
Trichloroethene
 Concen: 51.238 ug/l
 RT: 5.50 min Scan# 494
 Delta R.T. -0.01 min
 Lab File: VF061843.D
 Acq: 5 Mar 2019 13:49

Tgt Ion: 130 Resp: 184583
 Ion Ratio Lower Upper
 130 100
 95 94.4 0.0 184.0



Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 51.942 ug/l

RT: 6.23 min Scan# 568

Delta R.T. -0.01 min

Lab File: VF061843.D

Acq: 5 Mar 2019 13:49

Instrument :

MSVOA_F

ClientSampleId :

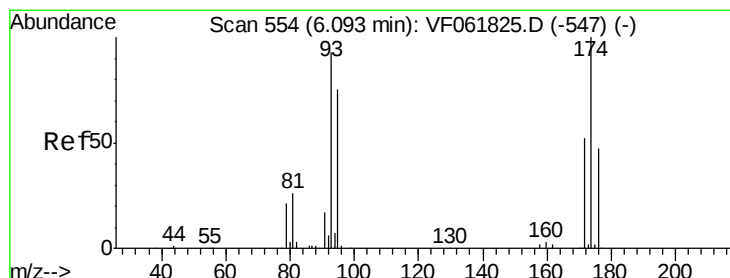
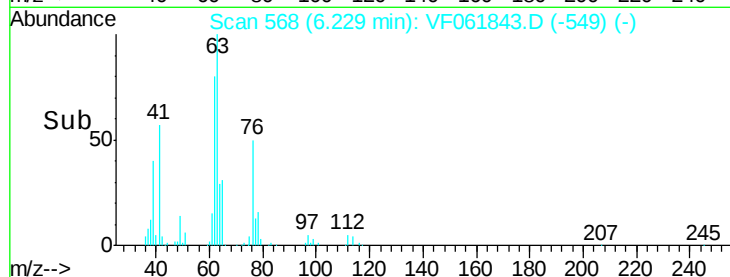
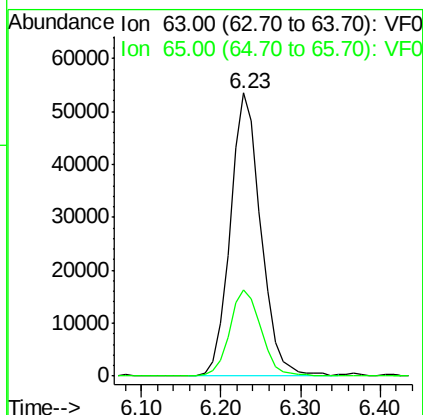
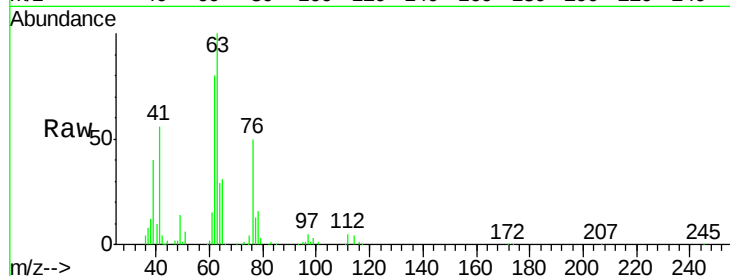
VSTDCCC050

Tot Ion: 63 Resp: 143179

Ion Ratio Lower Upper

63 100

65 30.7 24.0 36.0



#46

Dibromomethane

Concen: 49.774 ug/l

RT: 6.08 min Scan# 553

Delta R.T. -0.01 min

Lab File: VF061843.D

Acq: 5 Mar 2019 13:49

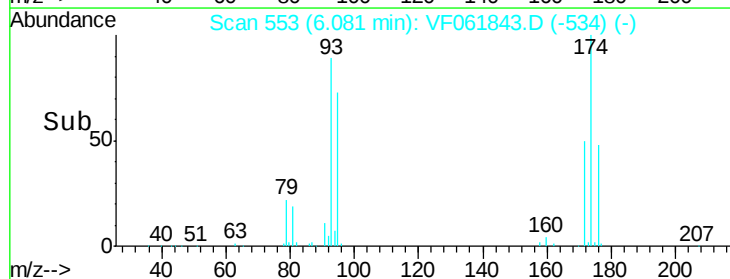
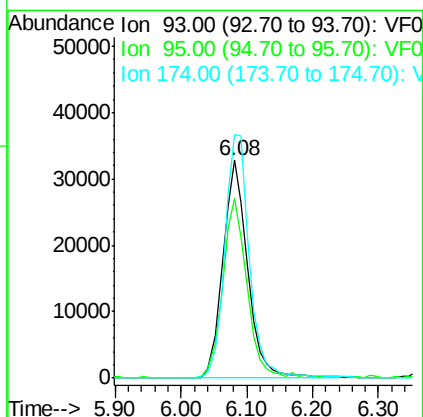
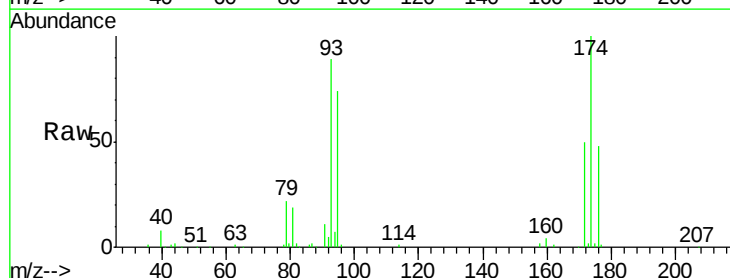
Tgt Ion: 93 Resp: 86351

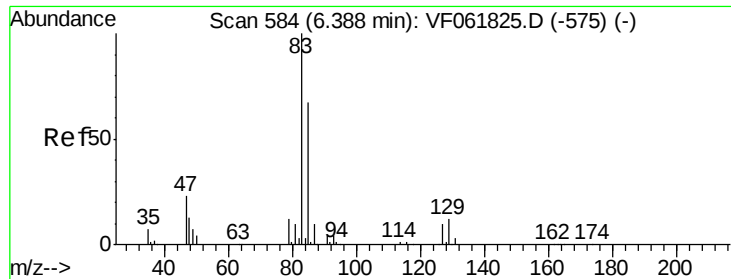
Ion Ratio Lower Upper

93 100

95 82.8 64.4 96.6

174 111.9 85.8 128.6





#47

Bromodichloromethane

Concen: 50.370 ug/l

RT: 6.38 min Scan# 583

Delta R.T. -0.01 min

Lab File: VF061843.D

Acq: 5 Mar 2019 13:49

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

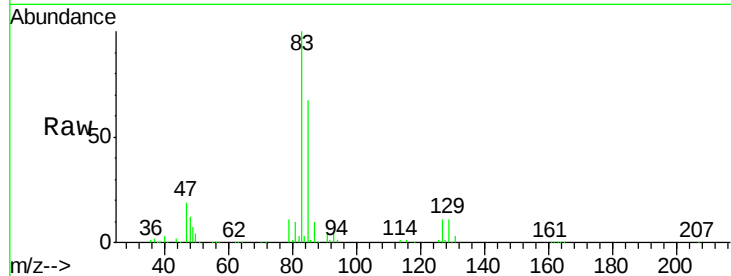
Tot Ion: 83 Resp: 193056

Ion Ratio Lower Upper

83 100

85 66.6 53.6 80.4

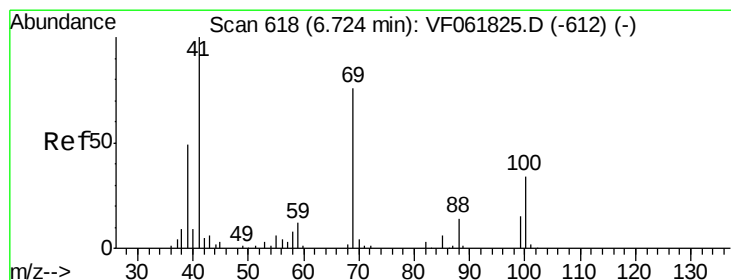
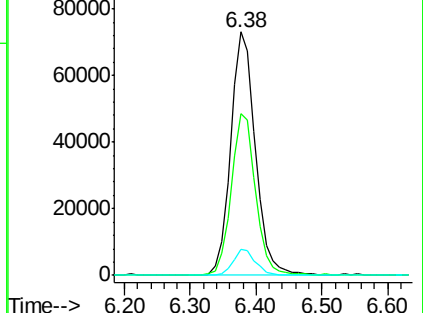
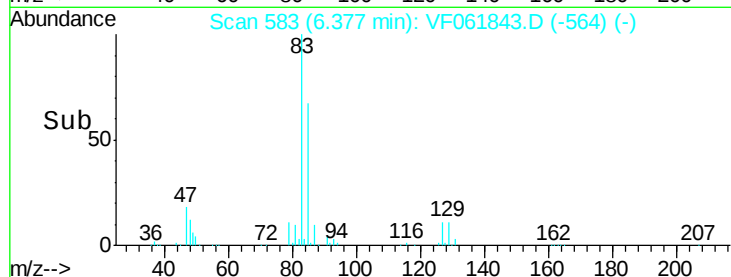
127 10.5 8.1 12.1



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 46.502 ug/l

RT: 6.71 min Scan# 617

Delta R.T. -0.01 min

Lab File: VF061843.D

Acq: 5 Mar 2019 13:49

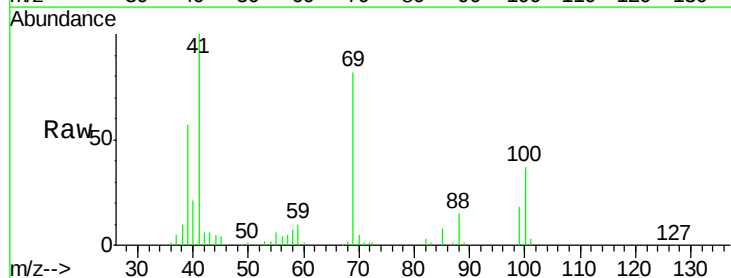
Tgt Ion: 41 Resp: 67528

Ion Ratio Lower Upper

41 100

69 81.6 60.4 90.6

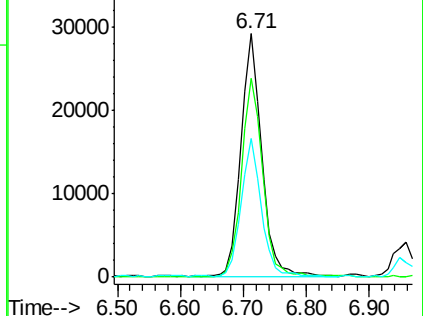
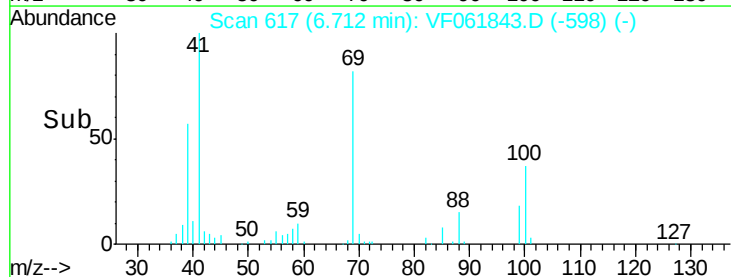
39 56.8 39.7 59.5

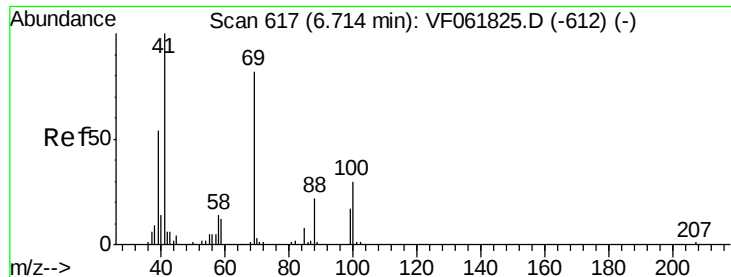


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

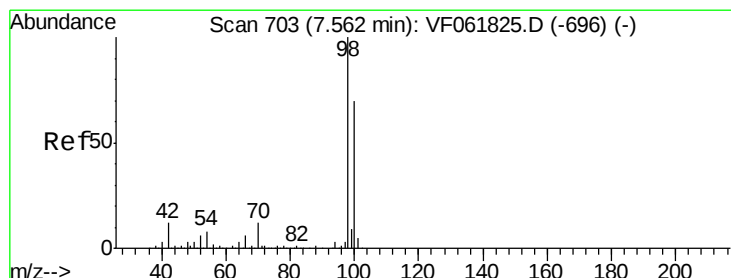
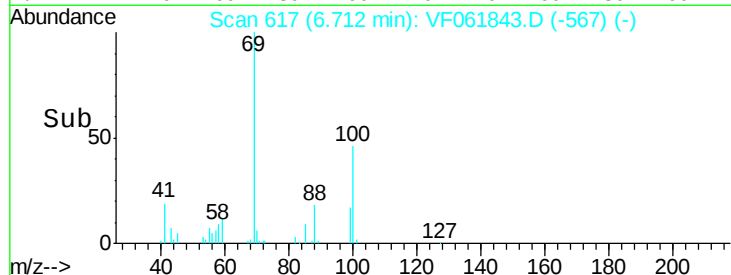
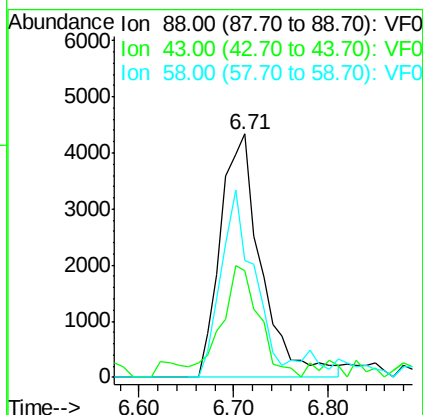
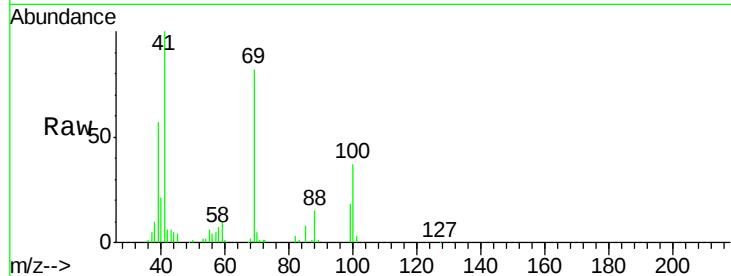




#49
1,4-Dioxane
Concen: 982.078 ug/l
RT: 6.71 min Scan# 617
Delta R.T. -0.00 min
Lab File: VF061843.D
Acq: 5 Mar 2019 13:49

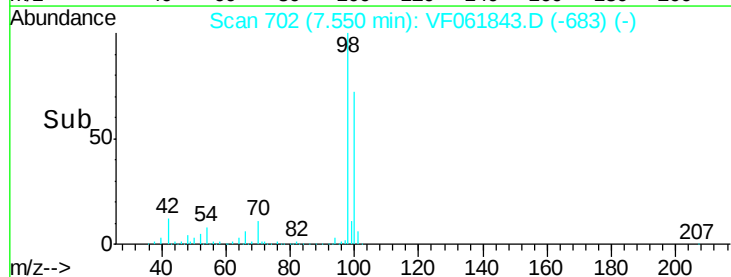
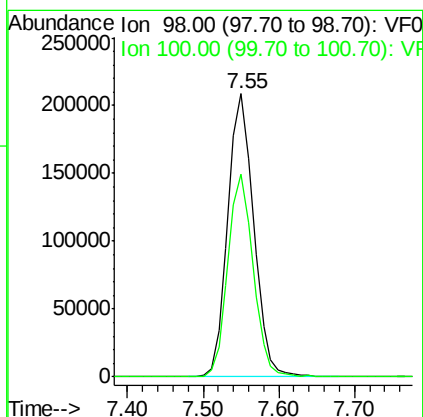
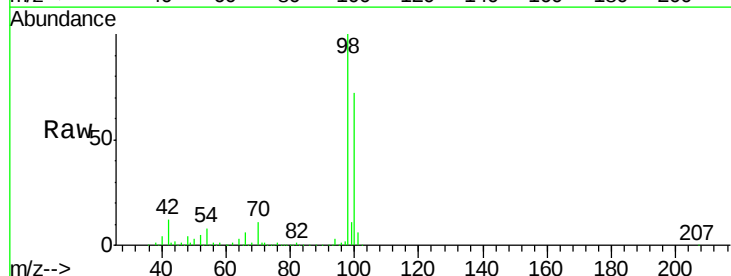
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

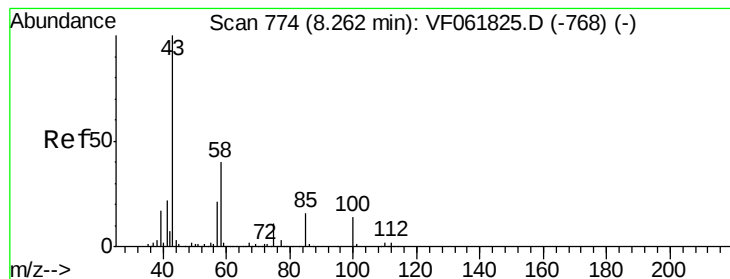
Tot Ion: 88 Resp: 13037
Ion Ratio Lower Upper
88 100
43 43.6 28.4 42.6#
58 48.0 50.7 76.1#



#50
Toluene-d8
Concen: 50.984 ug/l
RT: 7.55 min Scan# 702
Delta R.T. -0.01 min
Lab File: VF061843.D
Acq: 5 Mar 2019 13:49

Tgt Ion: 98 Resp: 496503
Ion Ratio Lower Upper
98 100
100 71.7 56.0 84.0





#51

4-Methyl-2-Pentanone

Concen: 236.696 ug/l

RT: 8.25 min Scan# 773

Delta R.T. -0.01 min

Lab File: VF061843.D

Acq: 5 Mar 2019 13:49

Instrument :

MSVOA_F

ClientSampleId :

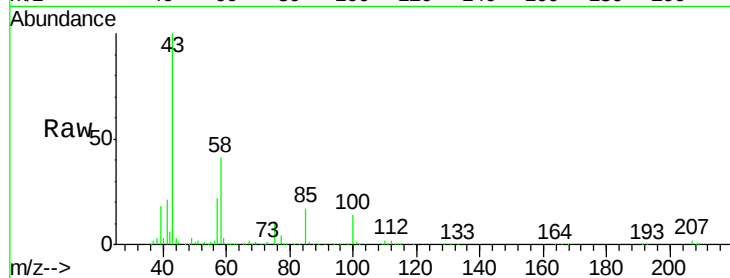
VSTDCCC050

Tot Ion: 43 Resp: 375364

Ion Ratio Lower Upper

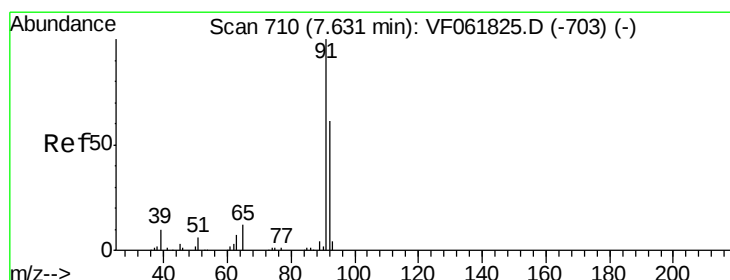
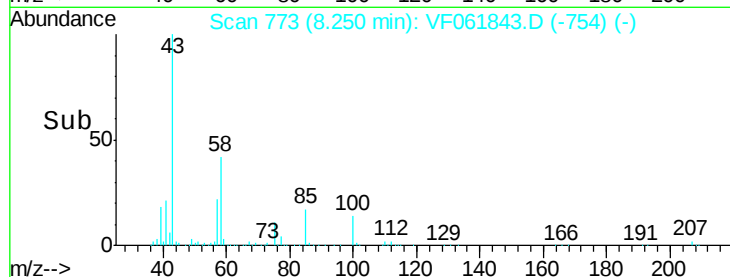
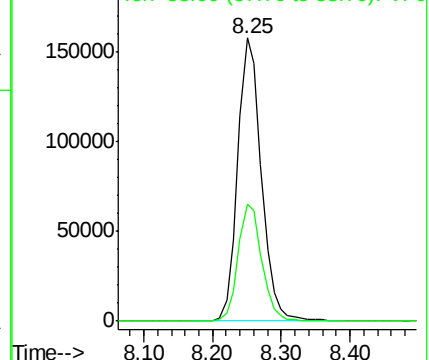
43 100

58 41.5 31.8 47.8



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 51.352 ug/l

RT: 7.62 min Scan# 709

Delta R.T. -0.01 min

Lab File: VF061843.D

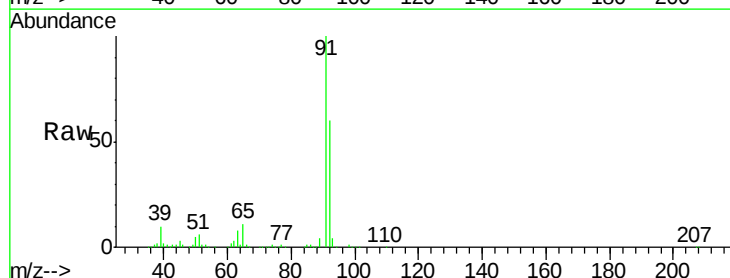
Acq: 5 Mar 2019 13:49

Tgt Ion: 92 Resp: 352152

Ion Ratio Lower Upper

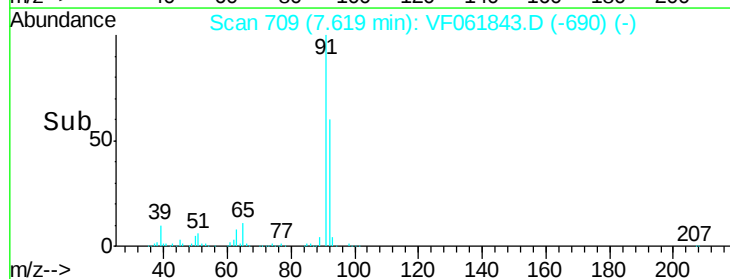
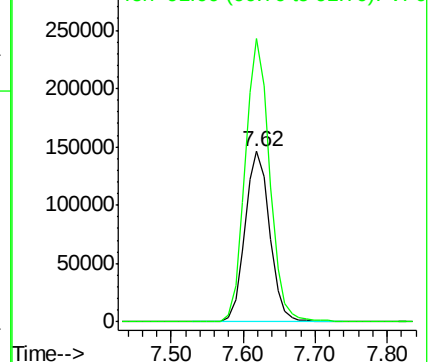
92 100

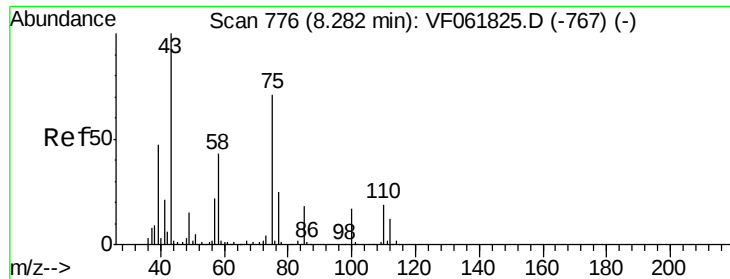
91 166.1 132.0 198.0



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 49.705 ug/l

RT: 8.27 min Scan# 775

Delta R.T. -0.01 min

Lab File: VF061843.D

Acq: 5 Mar 2019 13:49

Instrument :

MSVOA_F

ClientSampleId :

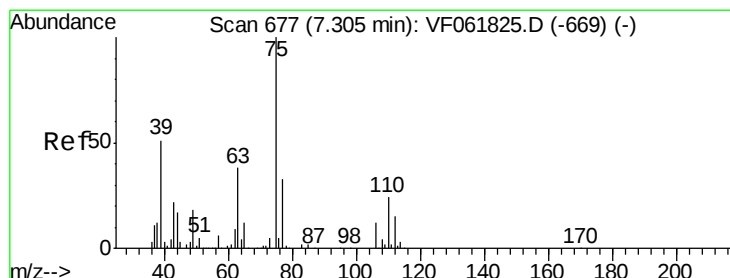
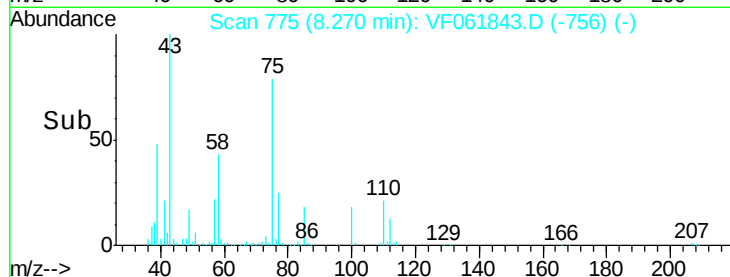
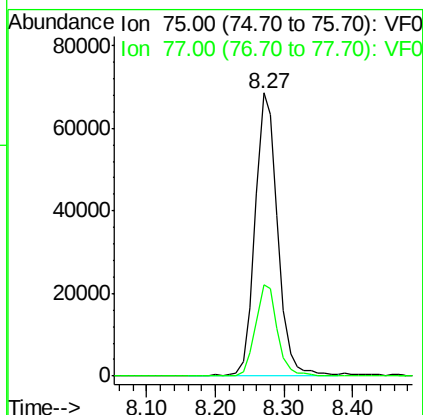
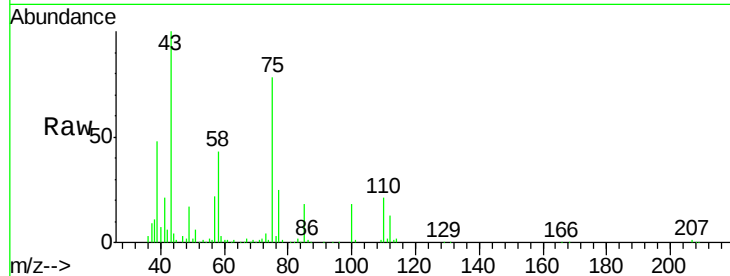
VSTDCCC050

Tot Ion: 75 Resp: 157253

Ion Ratio Lower Upper

75 100

77 32.2 28.0 42.0



#54

cis-1,3-Dichloropropene

Concen: 49.416 ug/l

RT: 7.29 min Scan# 676

Delta R.T. -0.01 min

Lab File: VF061843.D

Acq: 5 Mar 2019 13:49

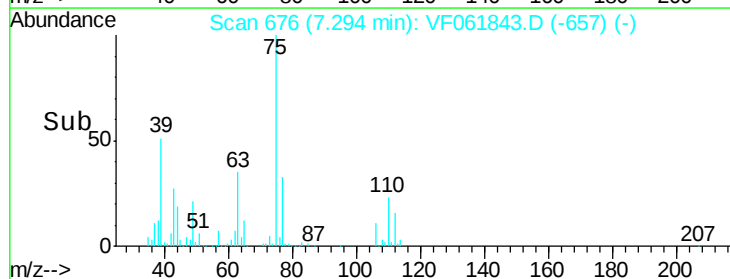
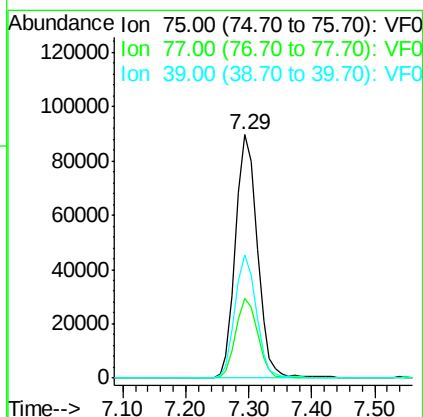
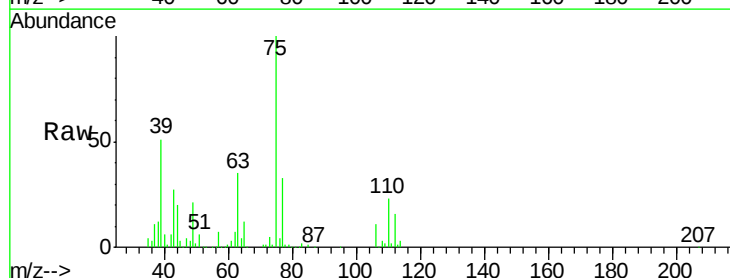
Tgt Ion: 75 Resp: 215643

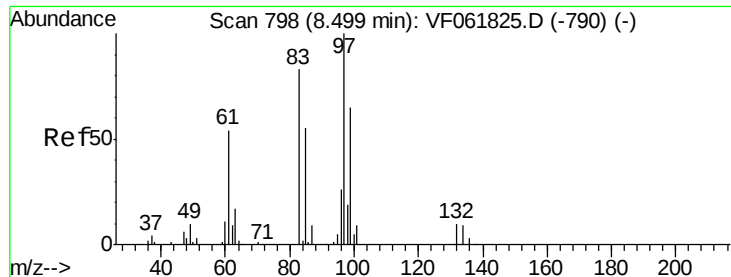
Ion Ratio Lower Upper

75 100

77 32.6 26.3 39.5

39 50.6 40.8 61.2





#55

1,1,2-Trichloroethane

Concen: 46.921 ug/l

RT: 8.49 min Scan# 797

Delta R.T. -0.01 min

Lab File: VF061843.D

Acq: 5 Mar 2019 13:49

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 92709

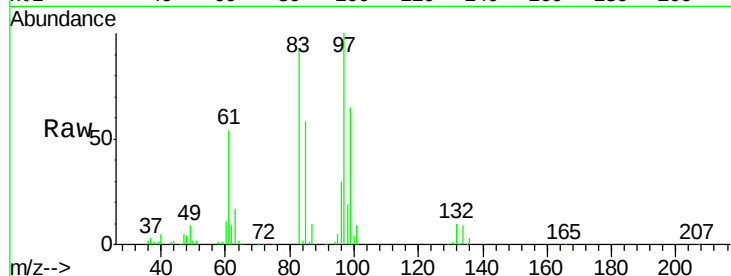
Ion Ratio Lower Upper

97 100

83 93.3 66.5 99.7

85 57.8 44.2 66.2

99 65.1 51.8 77.6

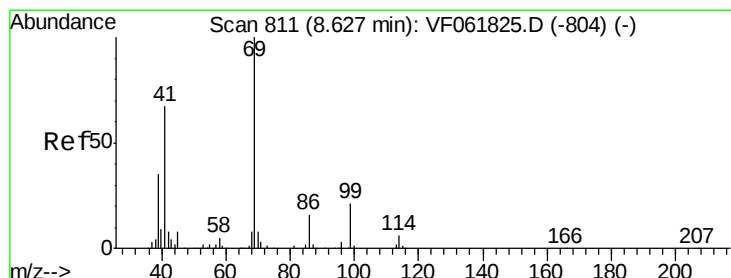
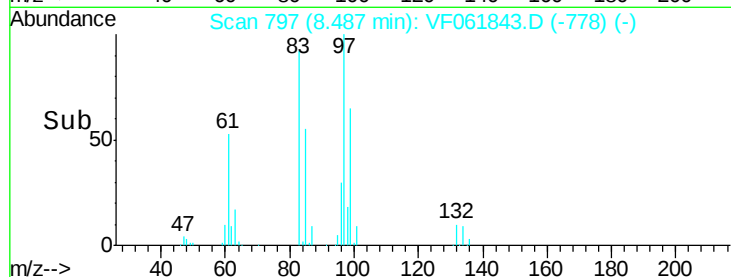
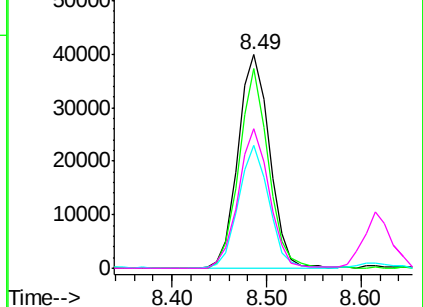


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 46.819 ug/l

RT: 8.61 min Scan# 810

Delta R.T. -0.01 min

Lab File: VF061843.D

Acq: 5 Mar 2019 13:49

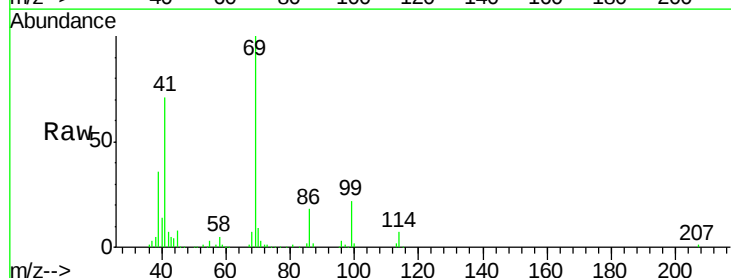
Tgt Ion: 69 Resp: 104255

Ion Ratio Lower Upper

69 100

41 71.0 53.9 80.9

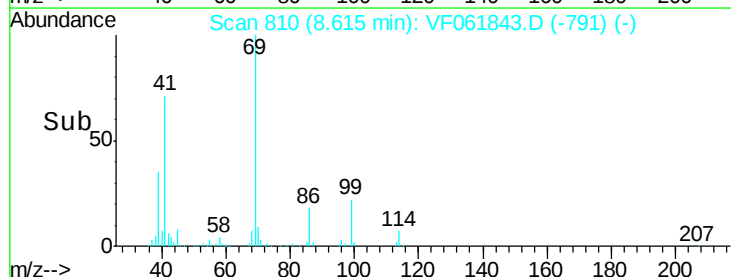
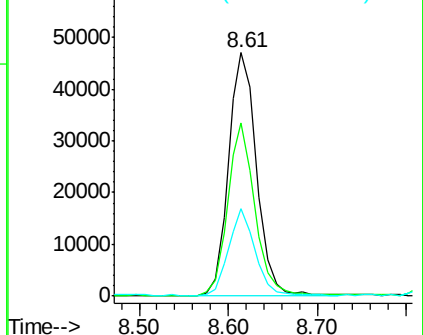
39 35.7 28.3 42.5

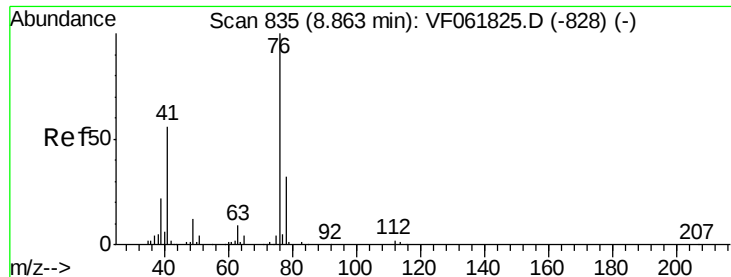


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 49.319 ug/l

RT: 8.85 min Scan# 834

Delta R.T. -0.01 min

Lab File: VF061843.D

Acq: 5 Mar 2019 13:49

Instrument :

MSVOA_F

ClientSampleId :

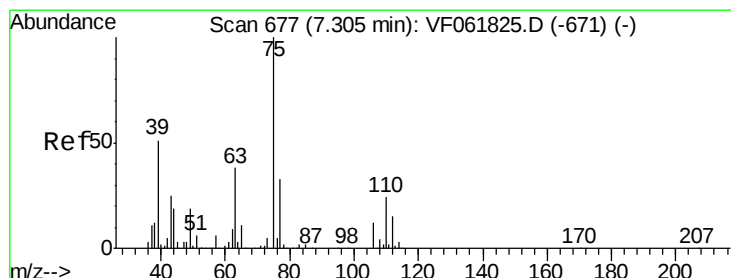
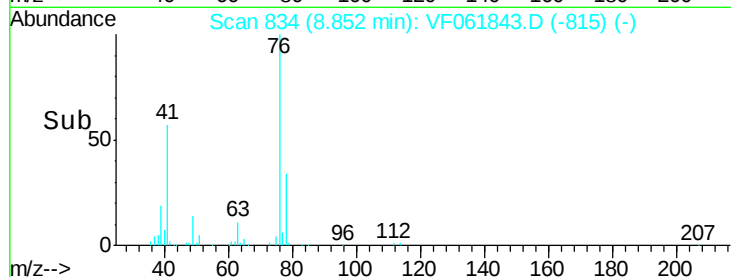
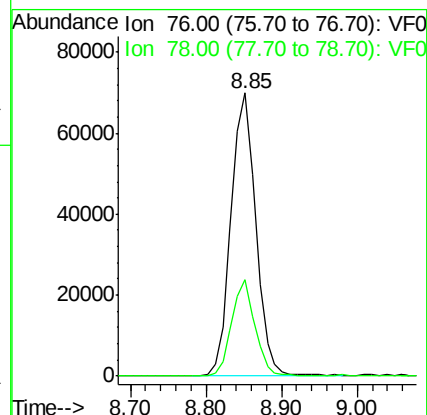
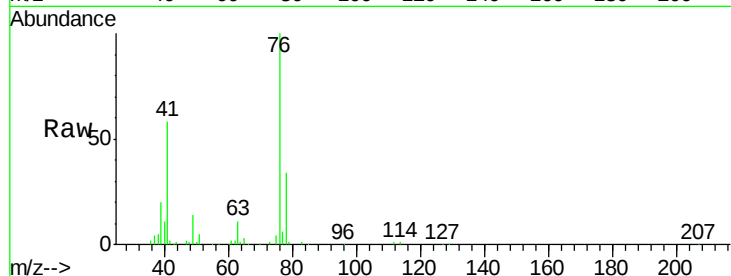
VSTDCCC050

Tot Ion: 76 Resp: 159363

Ion Ratio Lower Upper

76 100

78 34.0 25.4 38.2



#58

2-Chloroethyl Vinyl ether

Concen: 223.854 ug/l

RT: 7.28 min Scan# 675

Delta R.T. -0.02 min

Lab File: VF061843.D

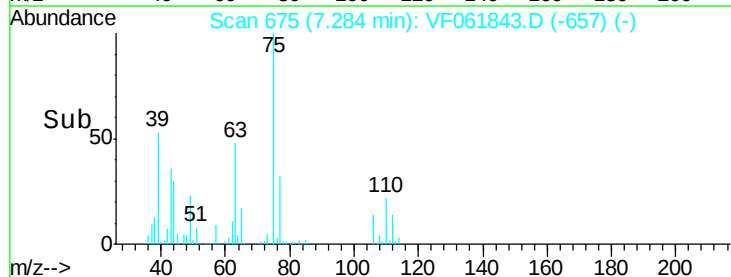
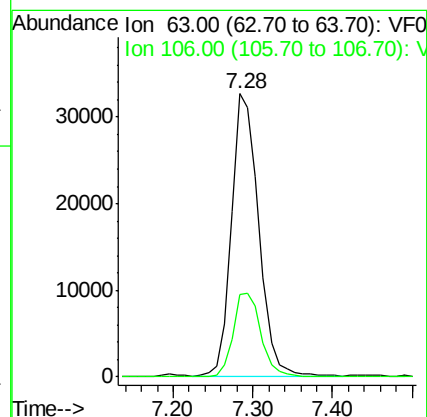
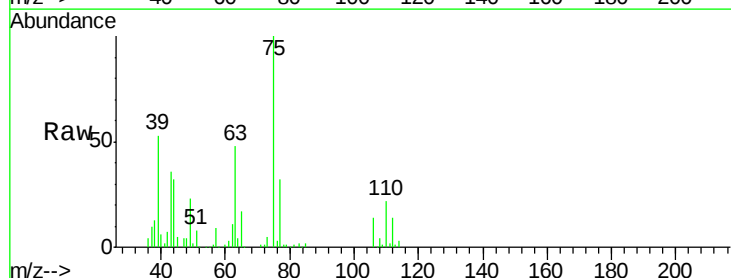
Acq: 5 Mar 2019 13:49

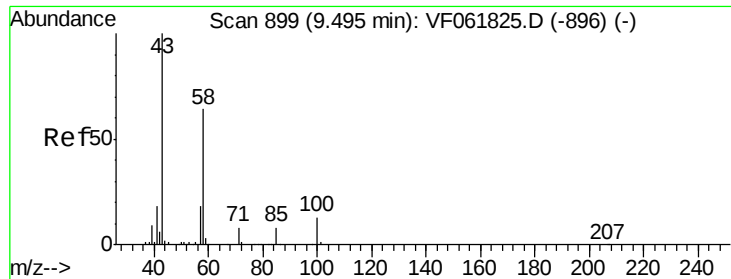
Tgt Ion: 63 Resp: 78854

Ion Ratio Lower Upper

63 100

106 28.9 24.3 36.5

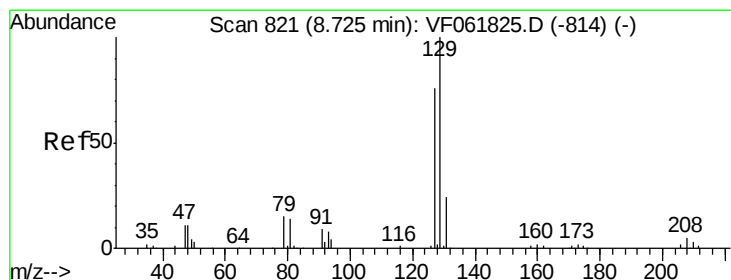
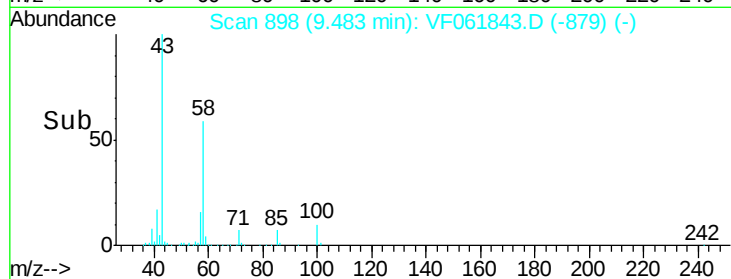
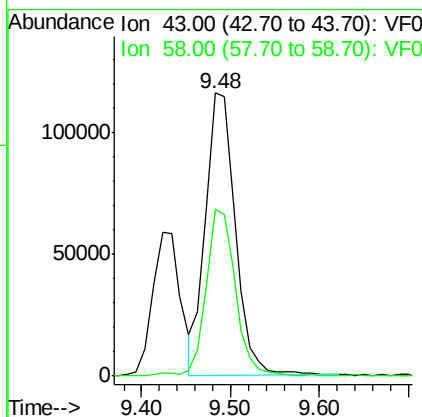
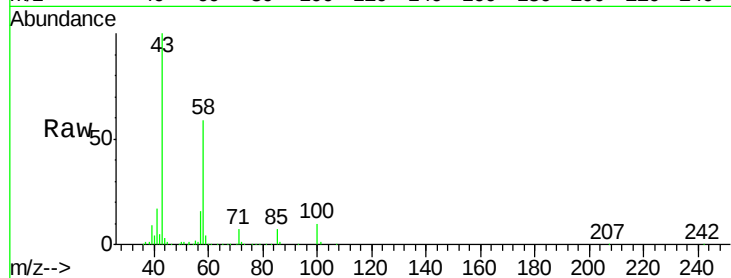




#59
2-Hexanone
Concen: 235.796 ug/l
RT: 9.48 min Scan# 898
Delta R.T. -0.01 min
Lab File: VF061843.D
Acq: 5 Mar 2019 13:49

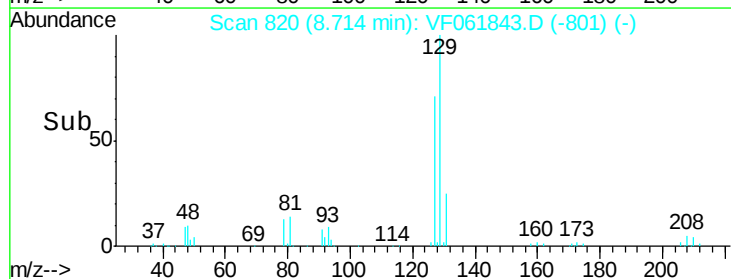
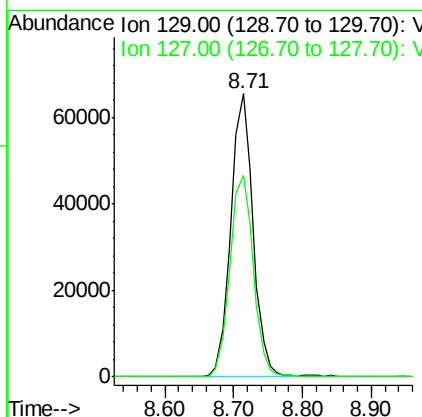
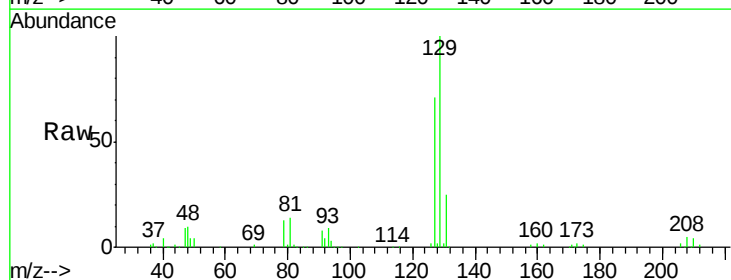
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

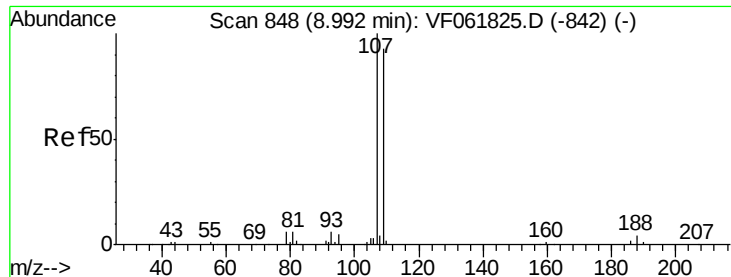
Tot Ion: 43 Resp: 269763
Ion Ratio Lower Upper
43 100
58 58.9 28.8 86.4



#60
Dibromochloromethane
Concen: 52.261 ug/l
RT: 8.71 min Scan# 820
Delta R.T. -0.01 min
Lab File: VF061843.D
Acq: 5 Mar 2019 13:49

Tgt Ion: 129 Resp: 147172
Ion Ratio Lower Upper
129 100
127 71.2 38.2 114.6





#61

1,2-Dibromoethane

Concen: 49.820 ug/l

RT: 8.98 min Scan# 847

Delta R.T. -0.01 min

Lab File: VF061843.D

Acq: 5 Mar 2019 13:49

Instrument :

MSVOA_F

ClientSampleId :

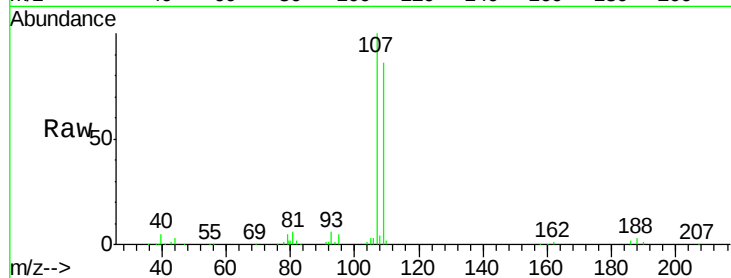
VSTDCCC050

Tot Ion:107 Resp: 108248

Ion Ratio Lower Upper

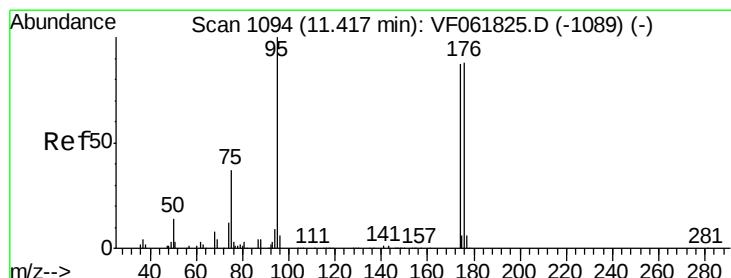
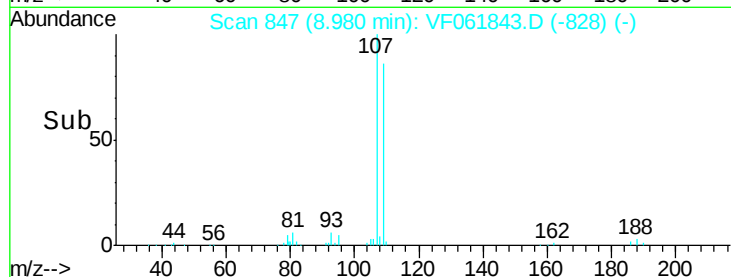
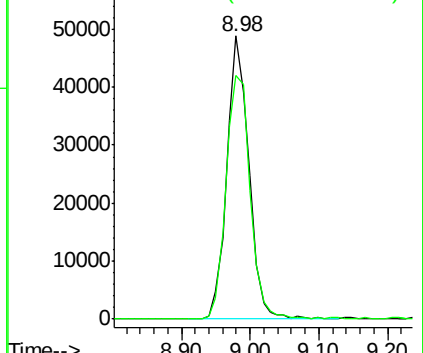
107 100

109 86.0 74.6 112.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 48.786 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.01 min

Lab File: VF061843.D

Acq: 5 Mar 2019 13:49

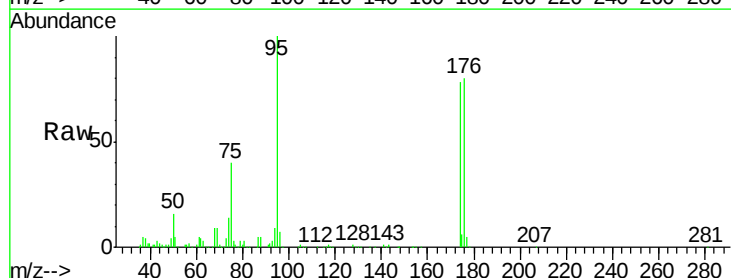
Tgt Ion: 95 Resp: 186108

Ion Ratio Lower Upper

95 100

174 78.2 0.0 174.0

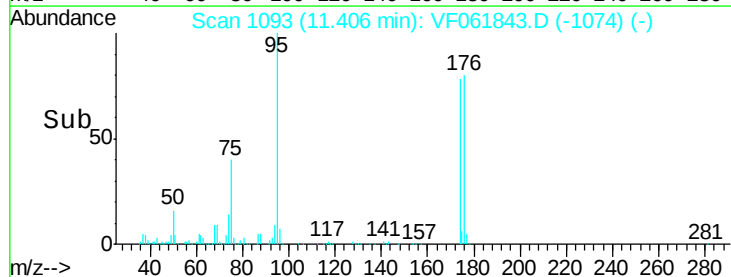
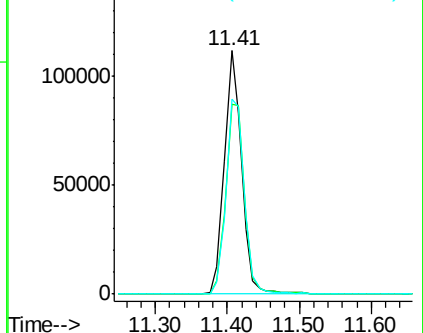
176 80.3 0.0 175.2

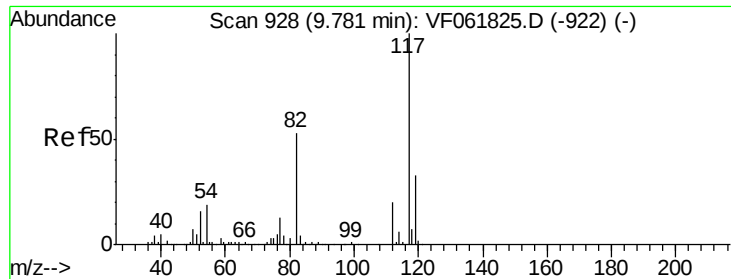


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

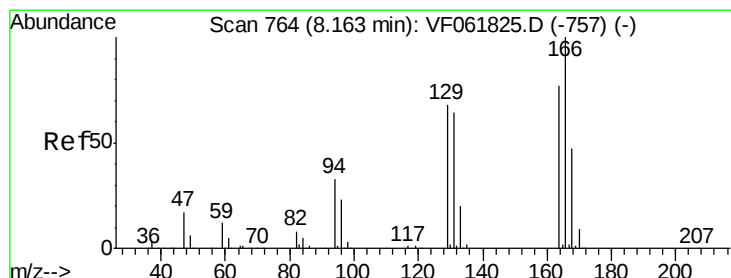
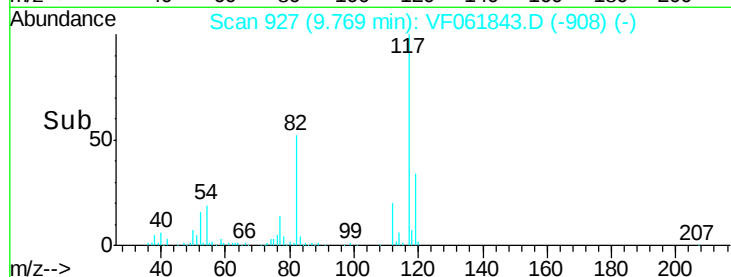
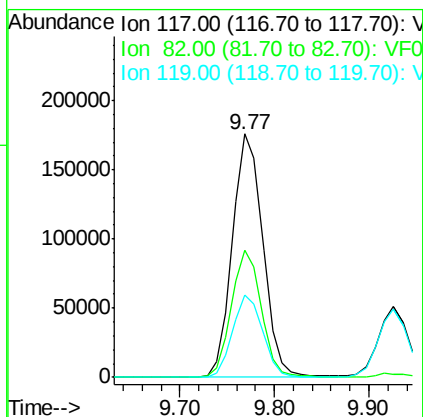
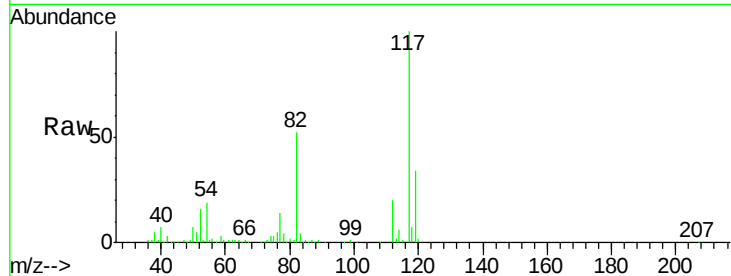




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. -0.01 min
Lab File: VF061843.D
Acq: 5 Mar 2019 13:49

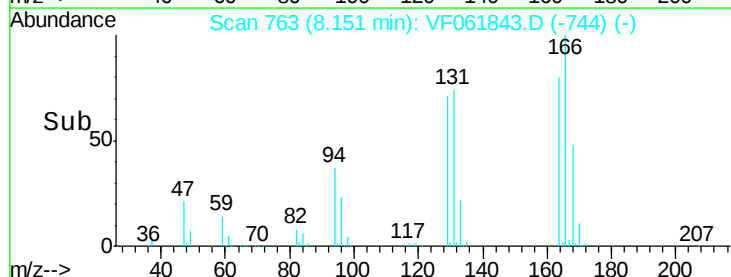
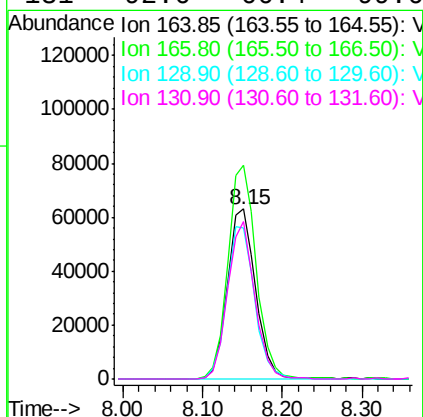
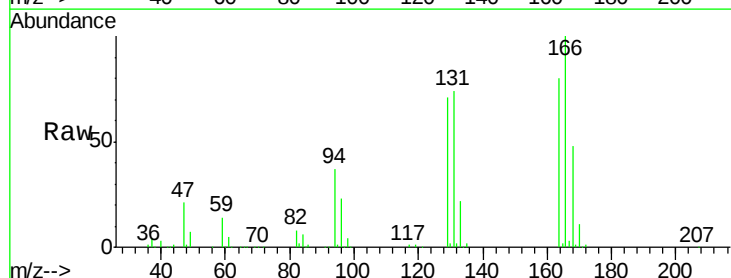
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

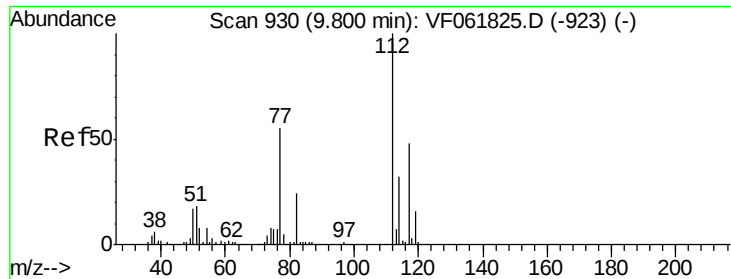
Tot Ion:117 Resp: 394204
Ion Ratio Lower Upper
117 100
82 52.4 42.6 63.8
119 33.6 26.0 39.0



#64
Tetrachloroethene
Concen: 51.591 ug/l
RT: 8.15 min Scan# 763
Delta R.T. -0.01 min
Lab File: VF061843.D
Acq: 5 Mar 2019 13:49

Tgt Ion:164 Resp: 156272
Ion Ratio Lower Upper
164 100
166 125.5 103.4 155.0
129 88.8 69.9 104.9
131 92.6 66.4 99.6

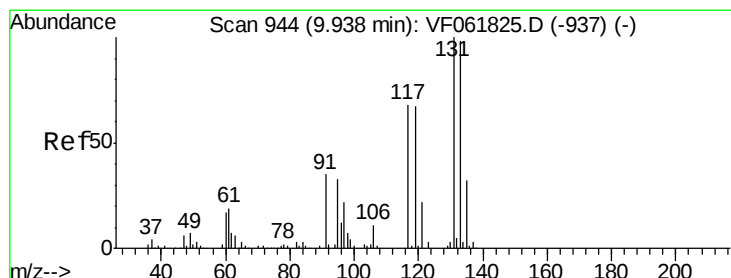
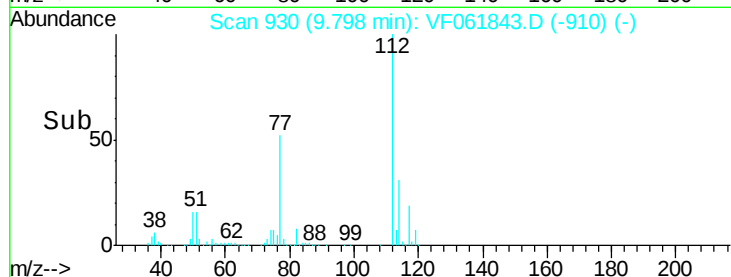
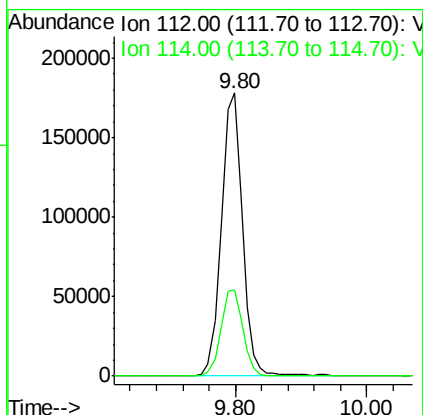
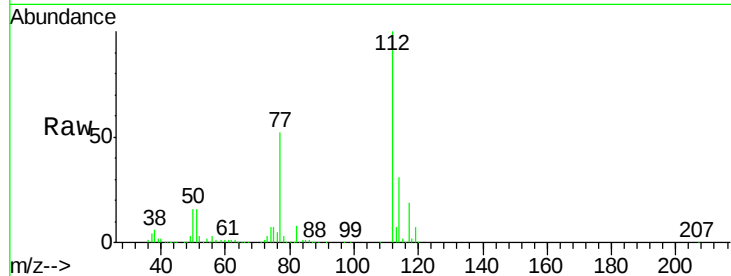




#65
Chlorobenzene
Concen: 52.893 ug/l
RT: 9.80 min Scan# 930
Delta R.T. -0.00 min
Lab File: VF061843.D
Acq: 5 Mar 2019 13:49

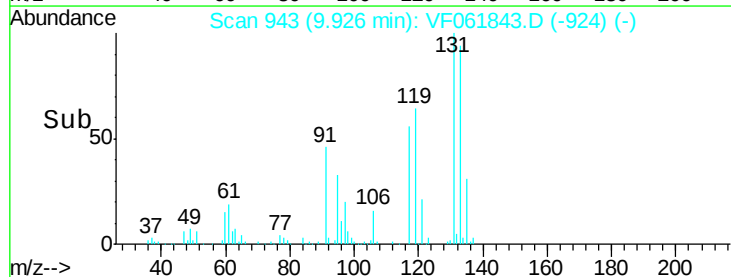
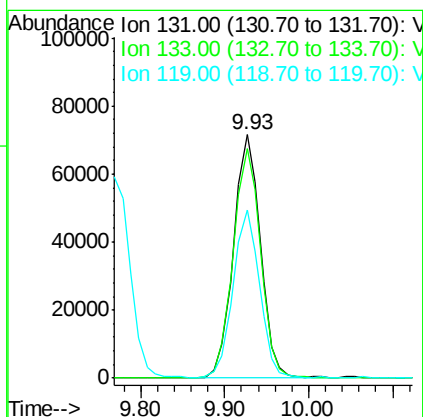
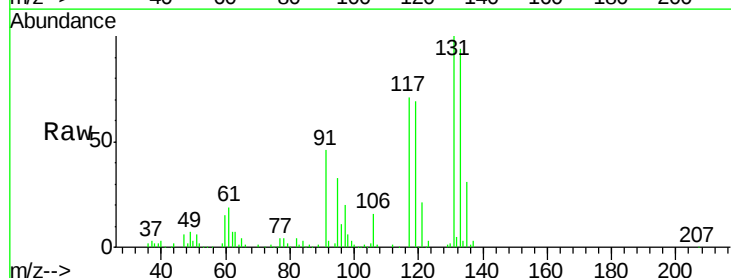
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

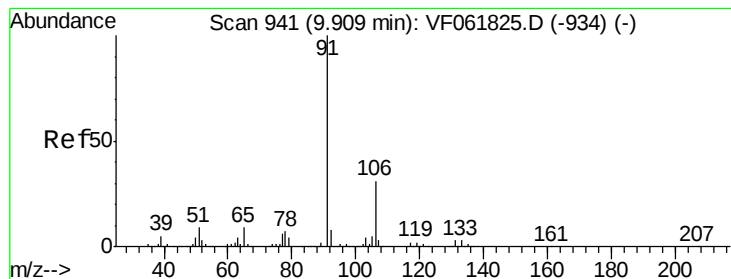
Tot Ion:112 Resp: 400586
Ion Ratio Lower Upper
112 100
114 30.6 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 54.314 ug/l
RT: 9.93 min Scan# 943
Delta R.T. -0.01 min
Lab File: VF061843.D
Acq: 5 Mar 2019 13:49

Tgt Ion:131 Resp: 159374
Ion Ratio Lower Upper
131 100
133 94.5 48.9 146.7
119 68.9 33.6 100.8





#67

Ethyl Benzene

Concen: 54.064 ug/l

RT: 9.90 min Scan# 940

Delta R.T. -0.01 min

Lab File: VF061843.D

Acq: 5 Mar 2019 13:49

Instrument :

MSVOA_F

ClientSampleId :

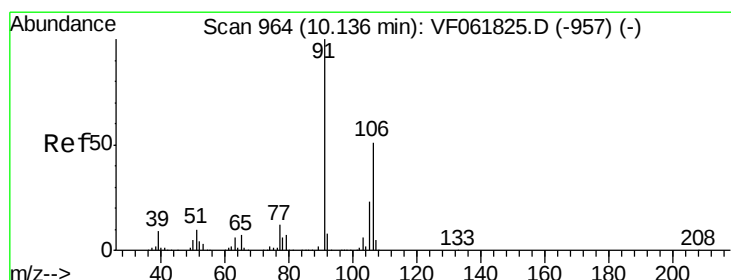
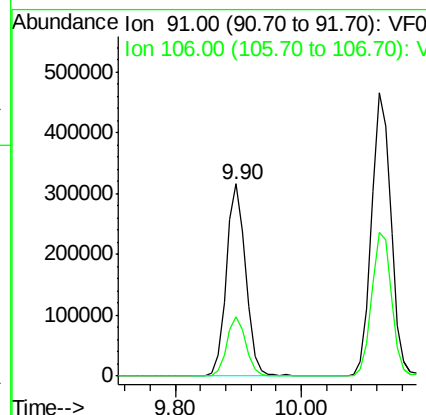
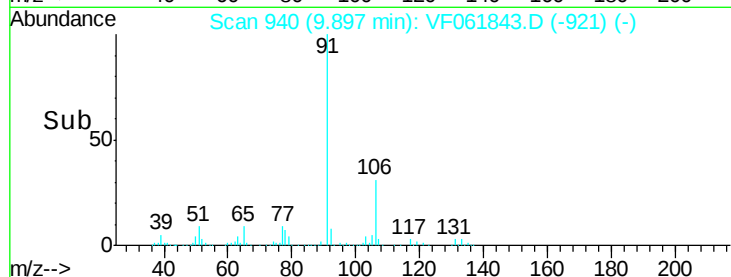
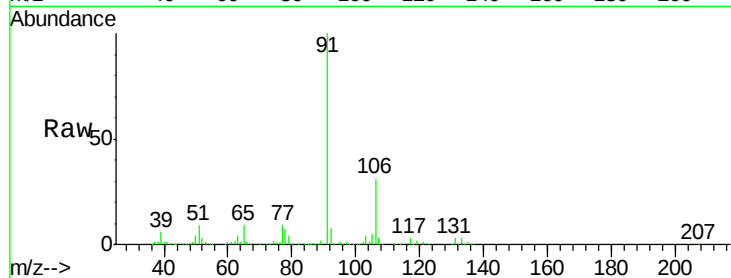
VSTDCCC050

Tot Ion: 91 Resp: 678658

Ion Ratio Lower Upper

91 100

106 30.6 25.0 37.4



#68

m/p-Xylenes

Concen: 107.373 ug/l

RT: 10.12 min Scan# 963

Delta R.T. -0.01 min

Lab File: VF061843.D

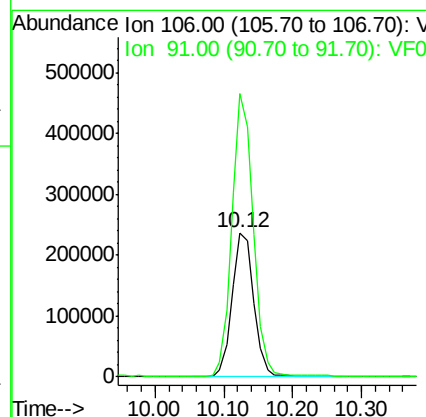
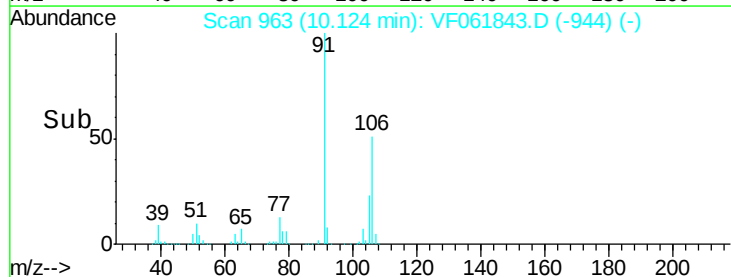
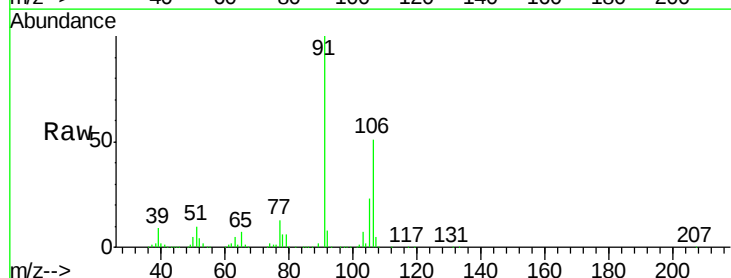
Acq: 5 Mar 2019 13:49

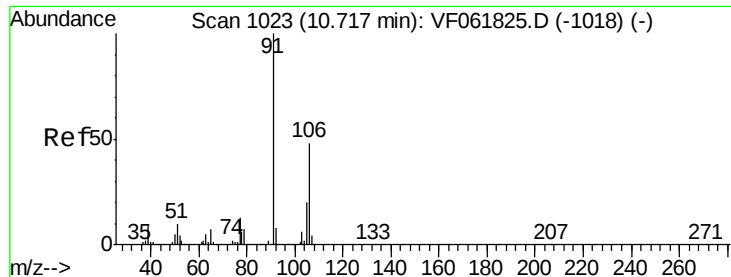
Tgt Ion: 106 Resp: 516338

Ion Ratio Lower Upper

106 100

91 196.6 157.5 236.3

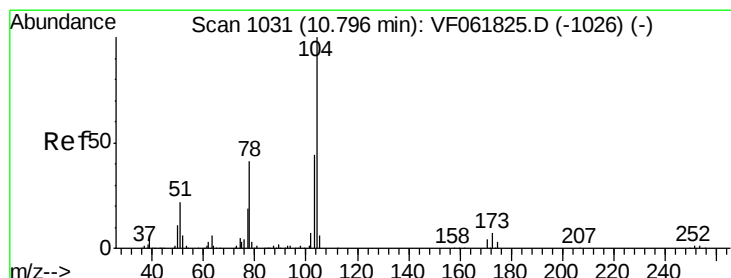
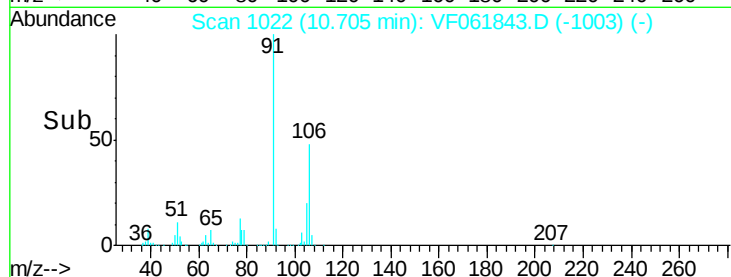
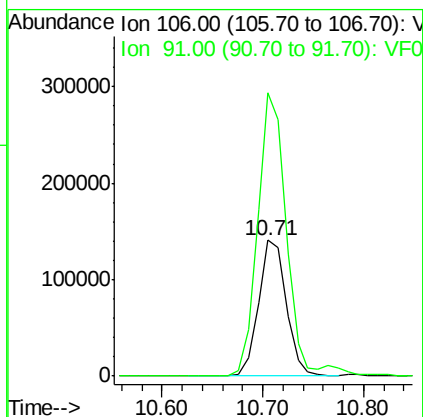
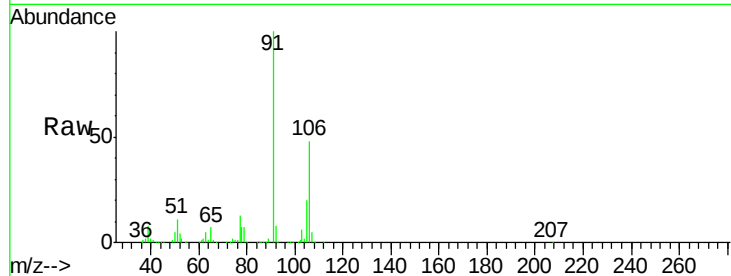




#69
o-Xylene
Concen: 52.305 ug/l
RT: 10.71 min Scan# 1022
Delta R.T. -0.01 min
Lab File: VF061843.D
Acq: 5 Mar 2019 13:49

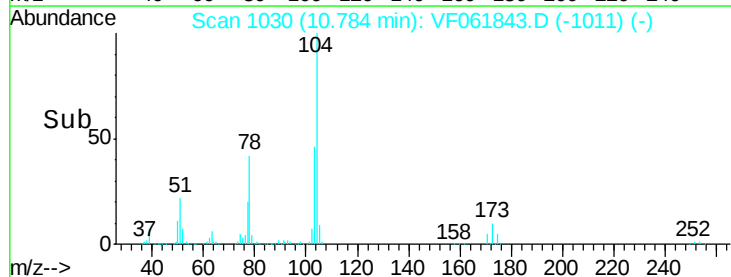
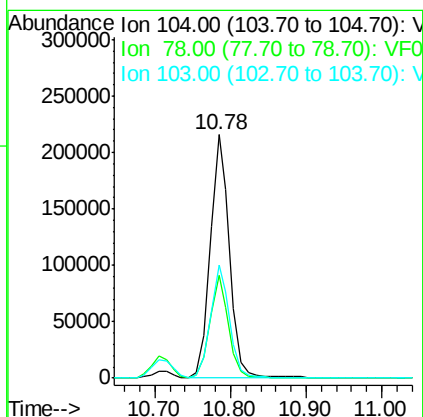
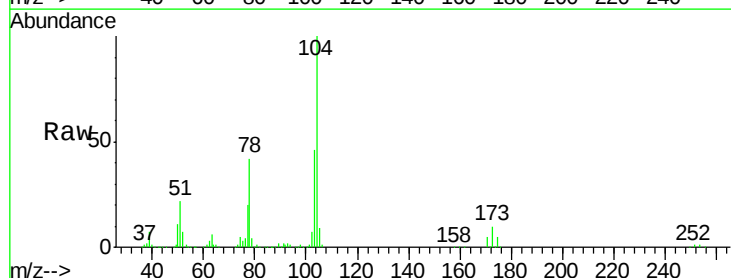
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

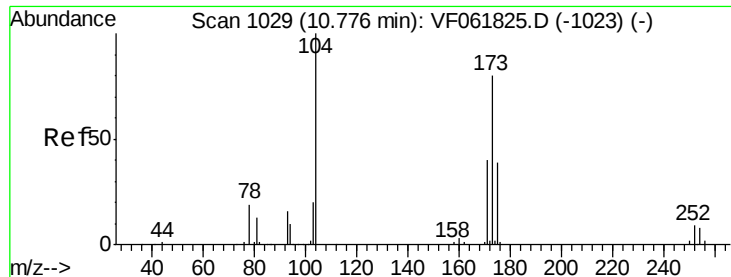
Tot Ion:106 Resp: 270846
Ion Ratio Lower Upper
106 100
91 208.6 103.5 310.3



#70
Styrene
Concen: 52.606 ug/l
RT: 10.78 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VF061843.D
Acq: 5 Mar 2019 13:49

Tgt Ion:104 Resp: 383364
Ion Ratio Lower Upper
104 100
78 42.3 33.3 49.9
103 46.3 35.4 53.0





#71

Bromoform

Concen: 49.303 ug/l

RT: 10.77 min Scan# 1029

Delta R.T. -0.00 min

Lab File: VF061843.D

Acq: 5 Mar 2019 13:49

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

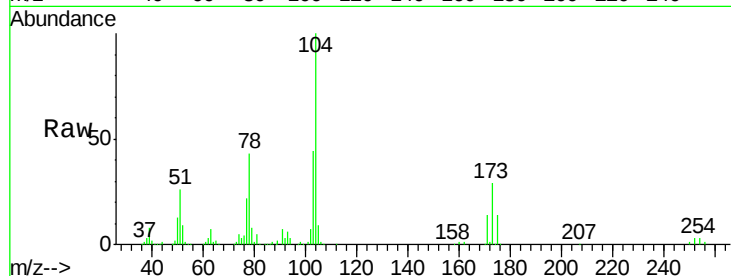
Tot Ion:173 Resp: 76460

Ion Ratio Lower Upper

173 100

175 47.6 24.5 73.5

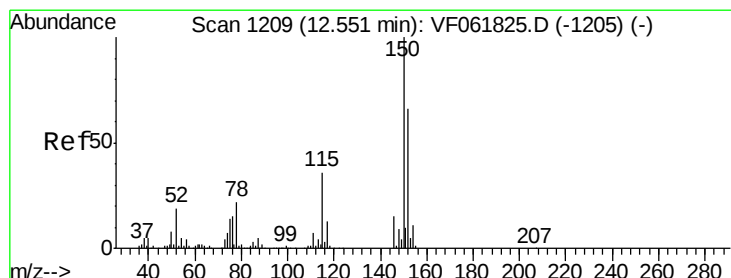
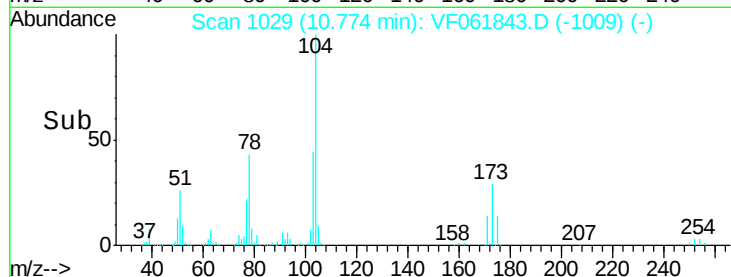
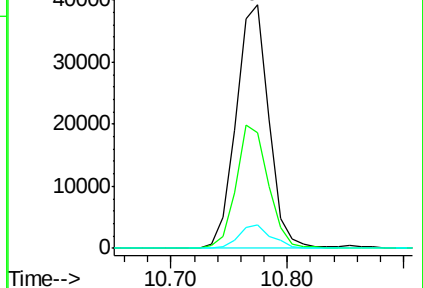
254 9.6 8.0 12.0



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.55 min Scan# 1209

Delta R.T. -0.00 min

Lab File: VF061843.D

Acq: 5 Mar 2019 13:49

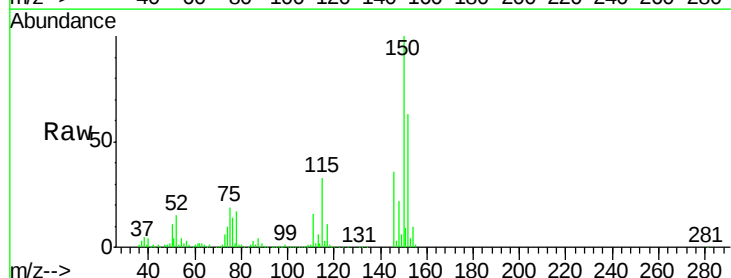
Tgt Ion:152 Resp: 205682

Ion Ratio Lower Upper

152 100

115 52.2 27.7 83.1

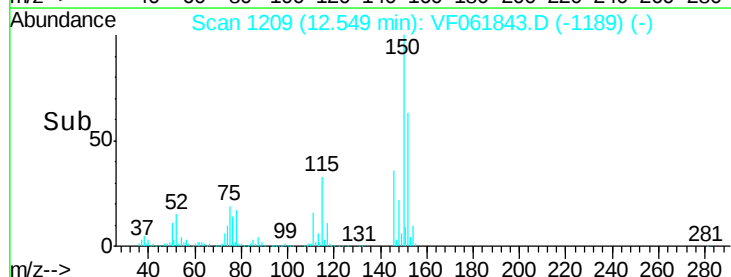
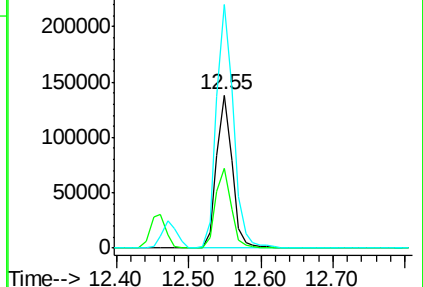
150 158.9 0.0 304.2

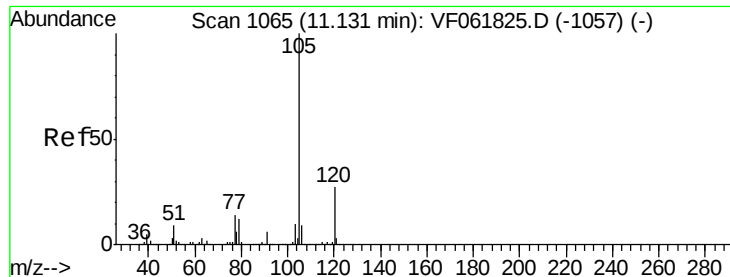


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 54.799 ug/l

RT: 11.12 min Scan# 1064

Delta R.T. -0.01 min

Lab File: VF061843.D

Acq: 5 Mar 2019 13:49

Instrument :

MSVOA_F

ClientSampleId :

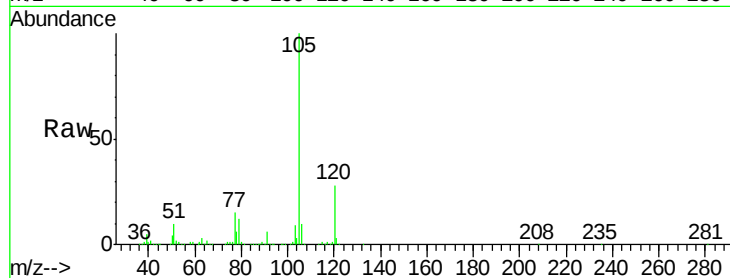
VSTDCCC050

Tot Ion:105 Resp: 775964

Ion Ratio Lower Upper

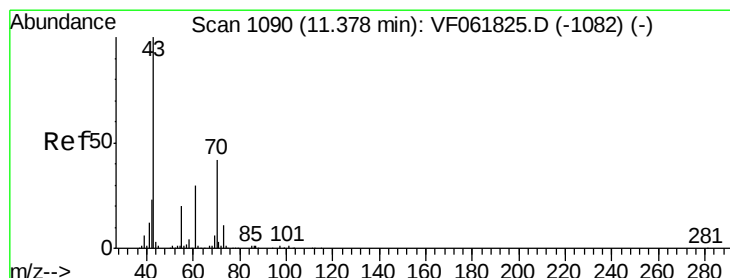
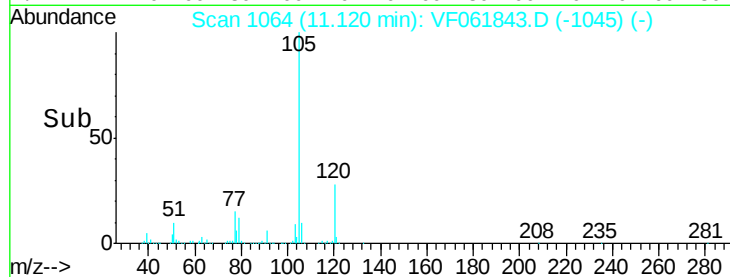
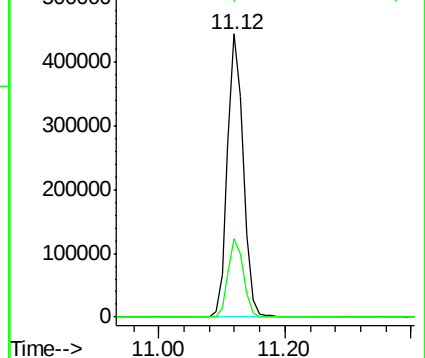
105 100

120 27.8 13.7 41.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 51.731 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VF061843.D

Acq: 5 Mar 2019 13:49

Tgt Ion: 43 Resp: 168636

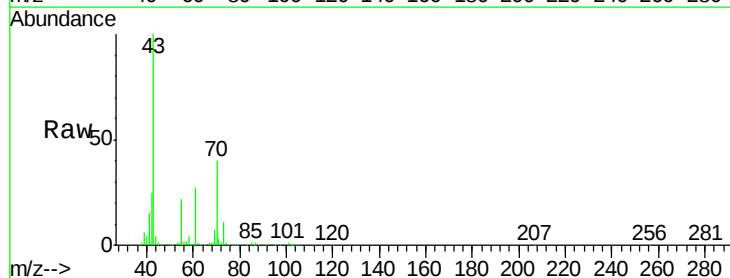
Ion Ratio Lower Upper

43 100

70 39.7 33.4 50.0

55 22.0 16.3 24.5

61 27.0 24.0 36.0

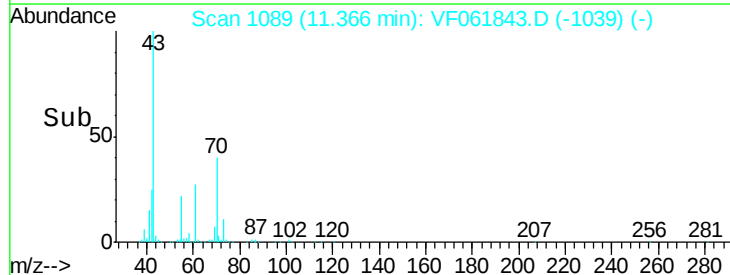
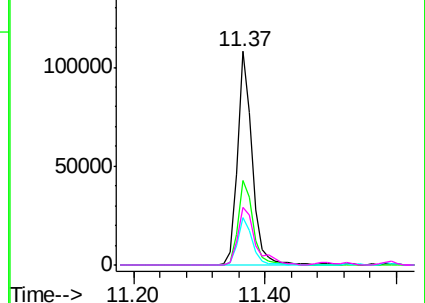


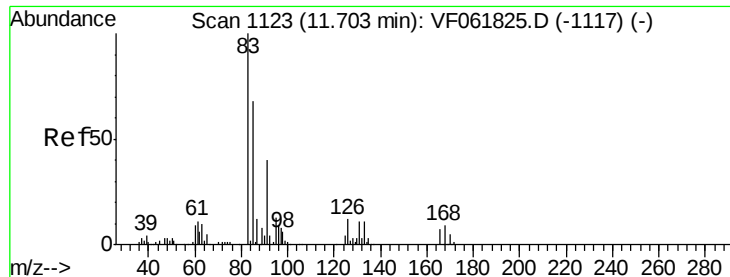
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 51.184 ug/l

RT: 11.69 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VF061843.D

Acq: 5 Mar 2019 13:49

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

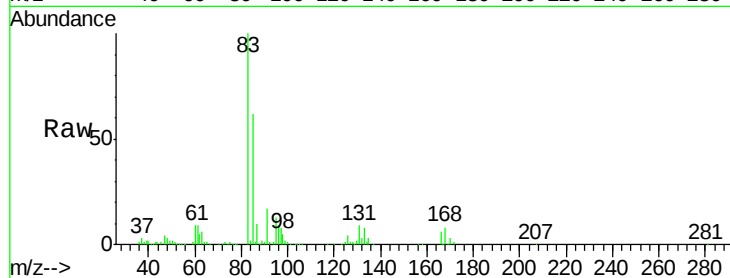
Tot Ion: 83 Resp: 120459

Ion Ratio Lower Upper

83 100

131 9.5 5.5 16.7

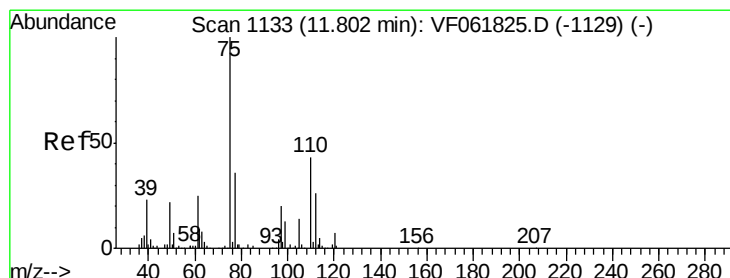
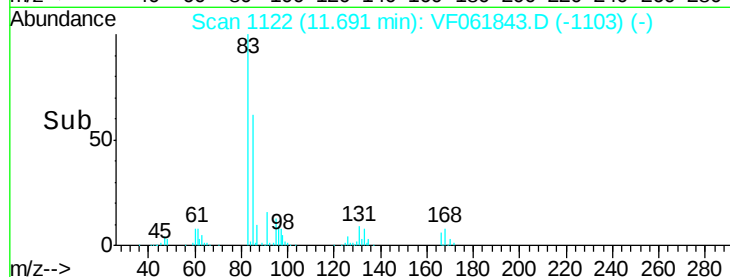
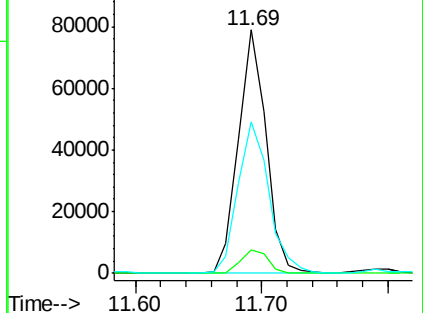
85 62.0 34.2 102.6



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): VF0

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 50.931 ug/l

RT: 11.79 min Scan# 1132

Delta R.T. -0.01 min

Lab File: VF061843.D

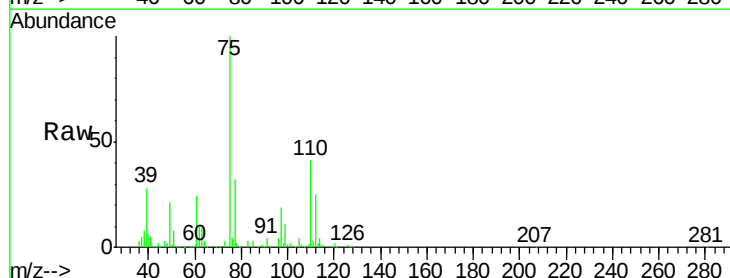
Acq: 5 Mar 2019 13:49

Tgt Ion: 75 Resp: 81808

Ion Ratio Lower Upper

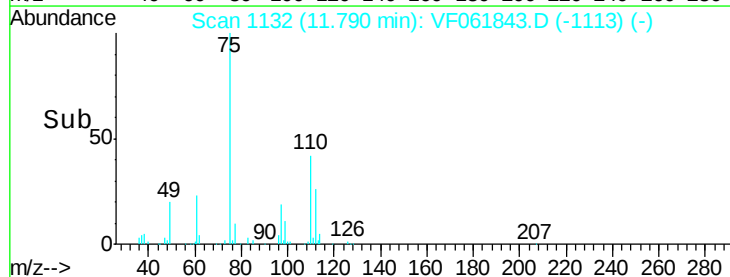
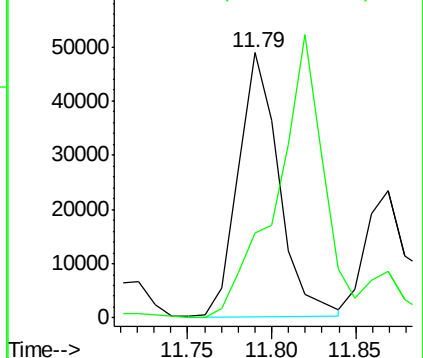
75 100

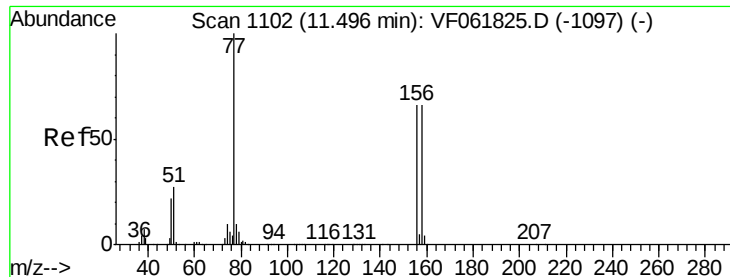
77 32.2 18.1 54.4



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 52.773 ug/l

RT: 11.49 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VF061843.D

Acq: 5 Mar 2019 13:49

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

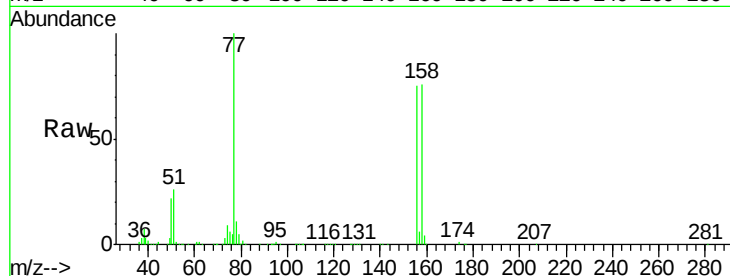
Tot Ion:156 Resp: 179842

Ion Ratio Lower Upper

156 100

77 132.9 75.7 227.1

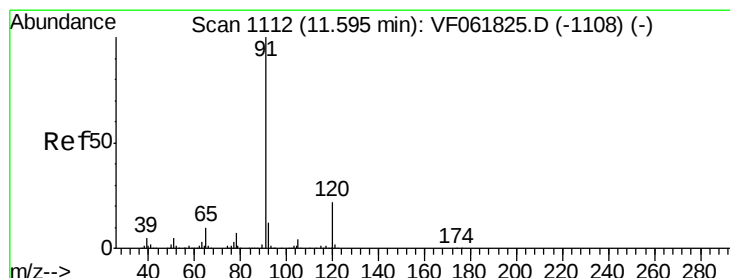
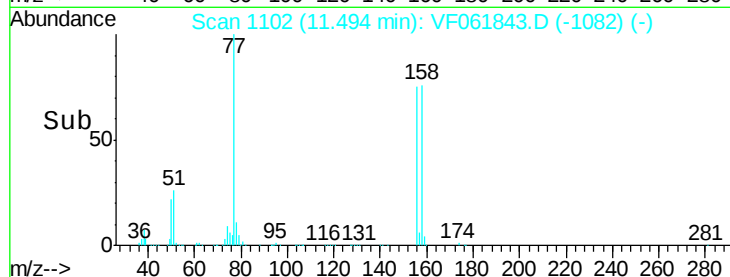
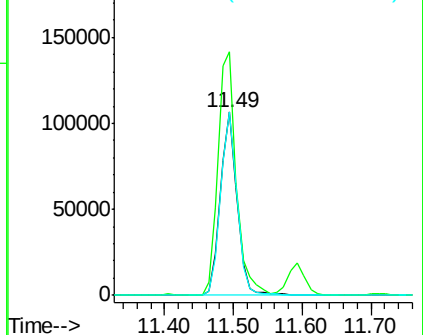
158 100.5 50.0 150.1



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 51.917 ug/l

RT: 11.59 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VF061843.D

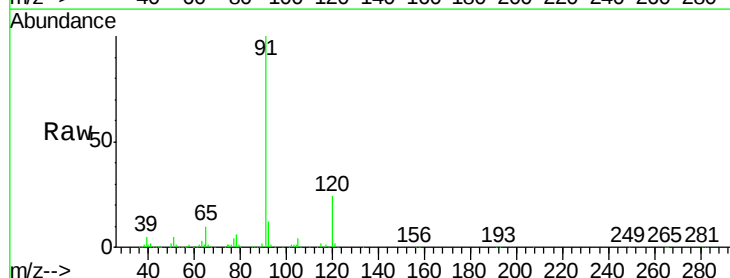
Acq: 5 Mar 2019 13:49

Tgt Ion: 91 Resp: 830197

Ion Ratio Lower Upper

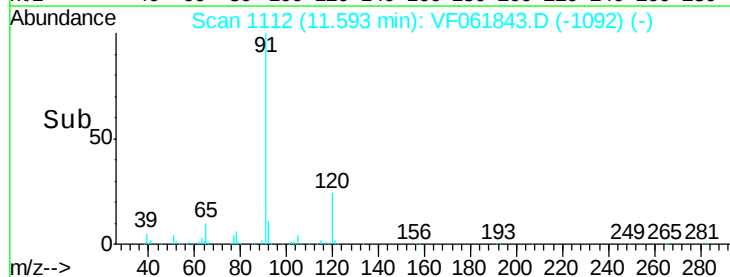
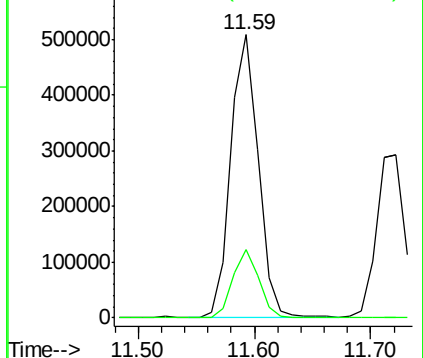
91 100

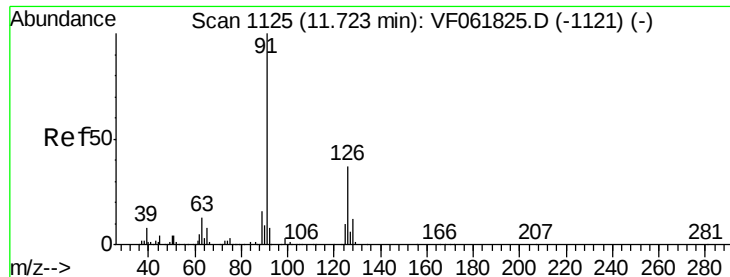
120 24.3 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

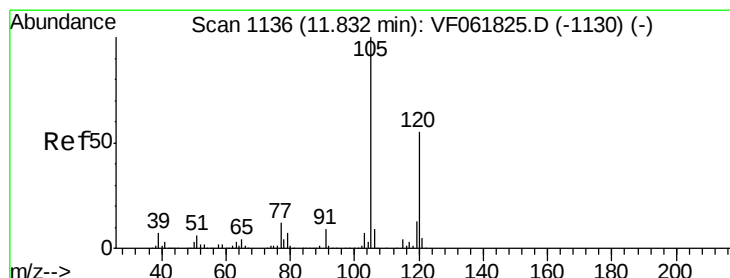
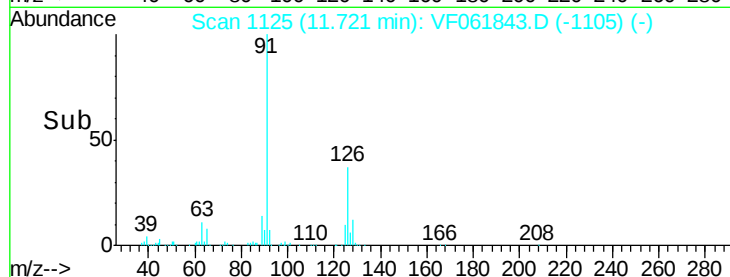
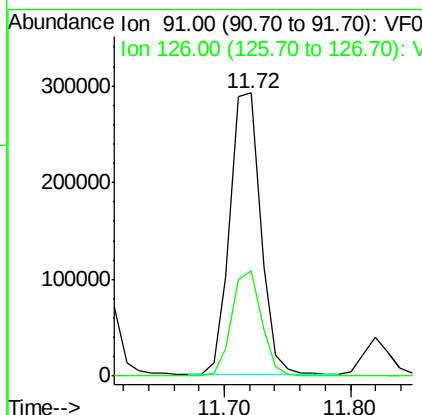
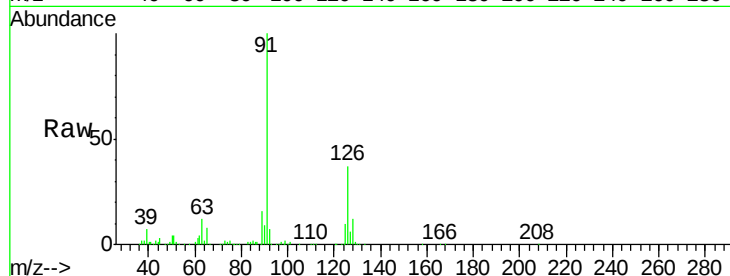




#79
 2-Chlorotoluene
 Concen: 53.645 ug/l
 RT: 11.72 min Scan# 1125
 Delta R.T. -0.00 min
 Lab File: VF061843.D
 Acq: 5 Mar 2019 13:49

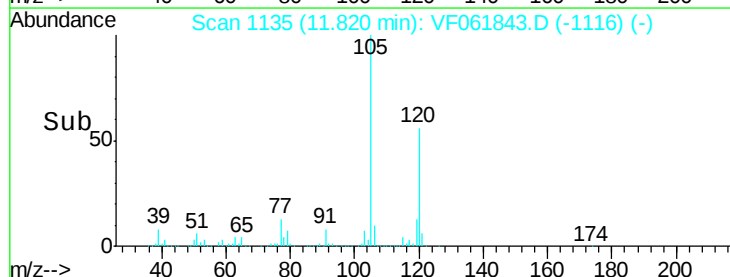
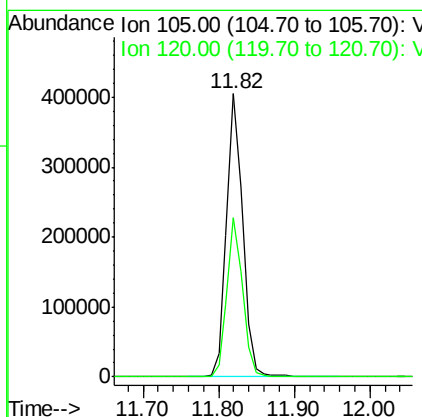
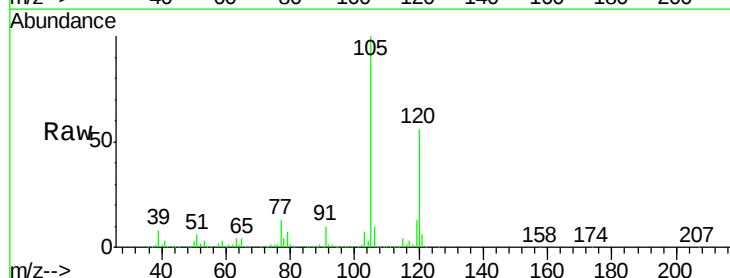
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

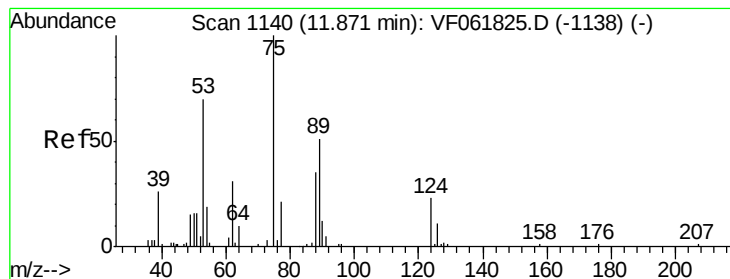
Tot Ion: 91 Resp: 490431
 Ion Ratio Lower Upper
 91 100
 126 37.1 18.1 54.4



#80
 1,3,5-Trimethylbenzene
 Concen: 52.966 ug/l
 RT: 11.82 min Scan# 1135
 Delta R.T. -0.01 min
 Lab File: VF061843.D
 Acq: 5 Mar 2019 13:49

Tgt Ion:105 Resp: 602164
 Ion Ratio Lower Upper
 105 100
 120 56.2 27.4 82.2





#81

trans-1,4-Dichloro-2-butene

Concen: 68.571 ug/l

RT: 11.87 min Scan# 1140

Delta R.T. -0.00 min

Lab File: VF061843.D

Acq: 5 Mar 2019 13:49

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

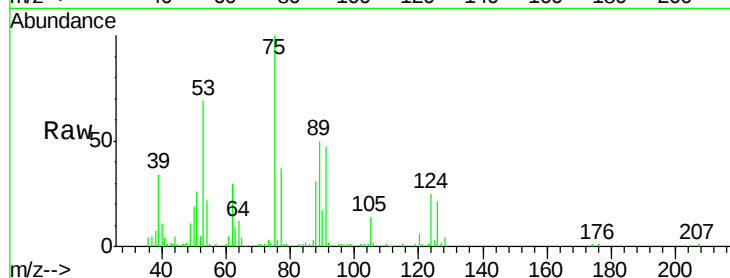
Tot Ion: 75 Resp: 50364

Ion Ratio Lower Upper

75 100

53 69.4 58.6 88.0

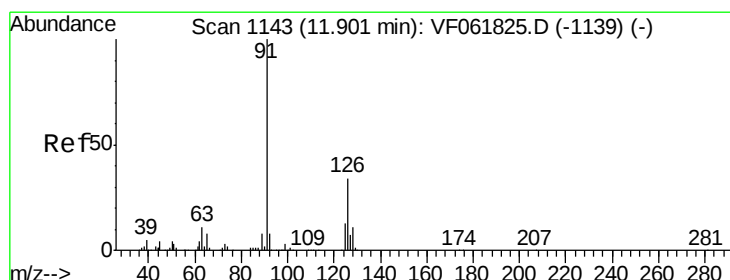
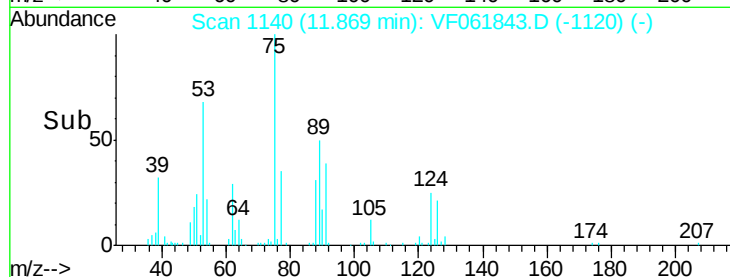
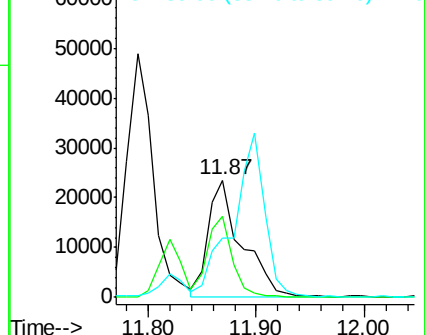
89 50.3 41.4 62.0



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 52.665 ug/l

RT: 11.90 min Scan# 1143

Delta R.T. -0.00 min

Lab File: VF061843.D

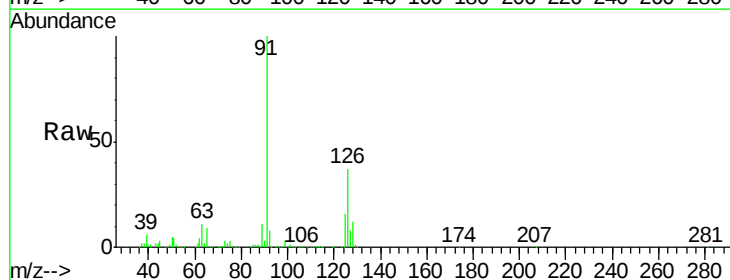
Acq: 5 Mar 2019 13:49

Tgt Ion: 91 Resp: 492472

Ion Ratio Lower Upper

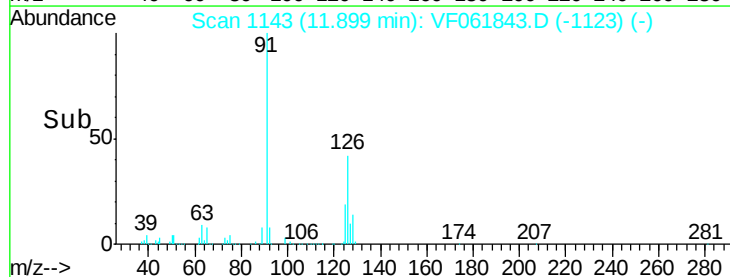
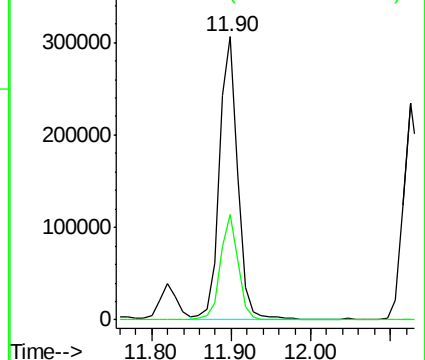
91 100

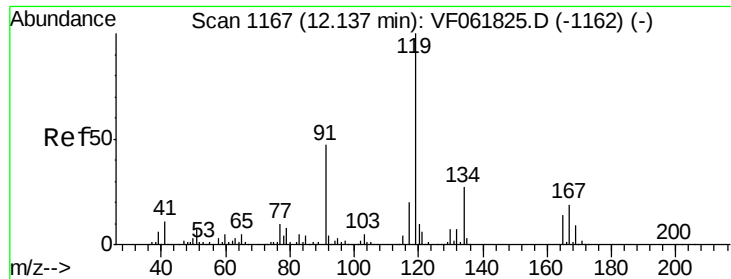
126 37.4 17.0 50.9



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

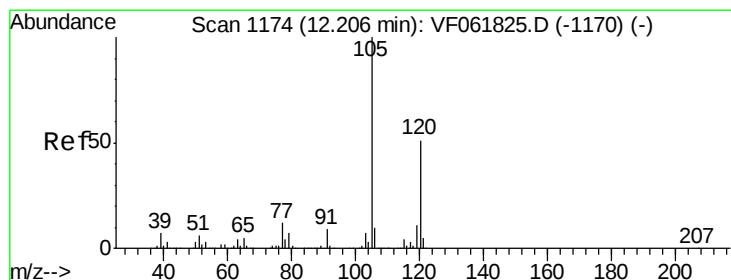
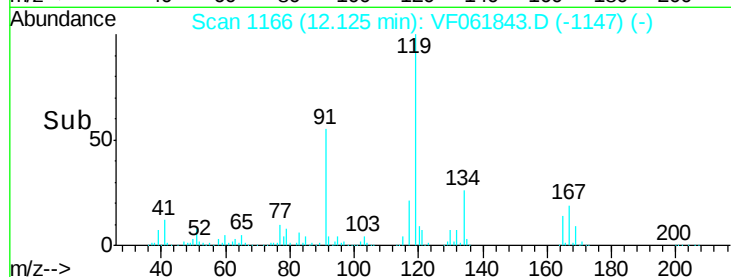
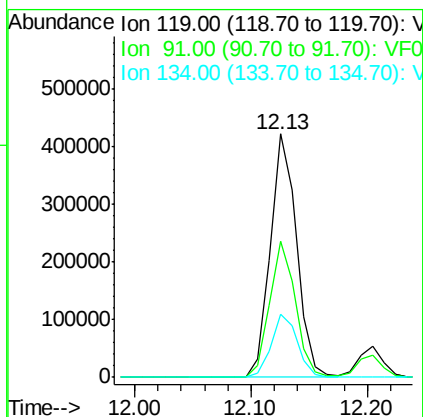
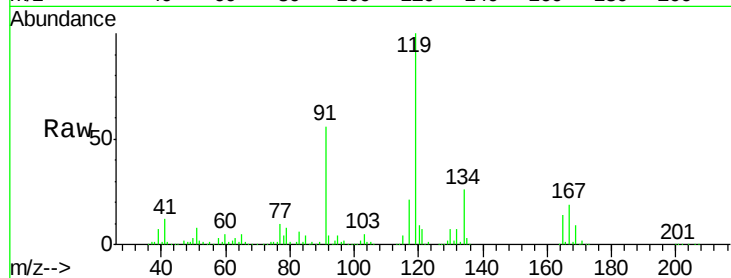




#83
tert-Butylbenzene
Concen: 54.727 ug/l
RT: 12.13 min Scan# 1166
Delta R.T. -0.01 min
Lab File: VF061843.D
Acq: 5 Mar 2019 13:49

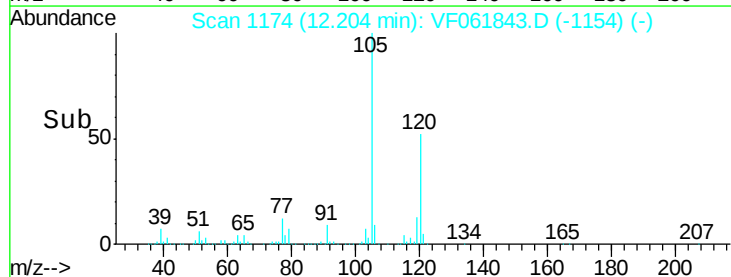
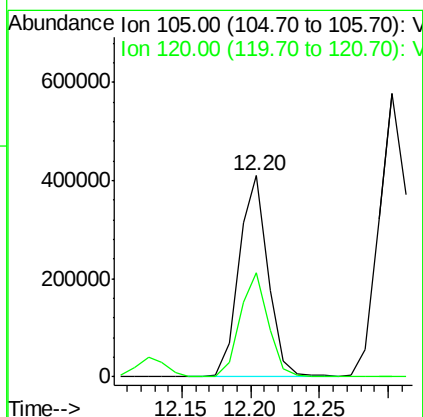
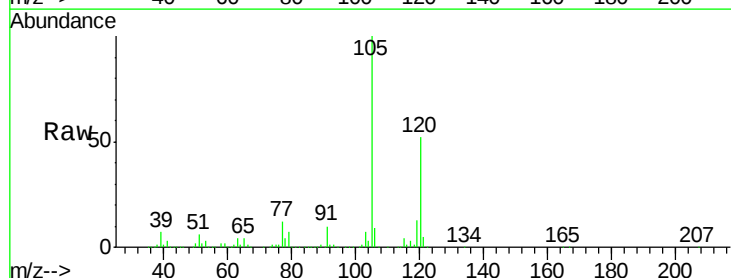
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

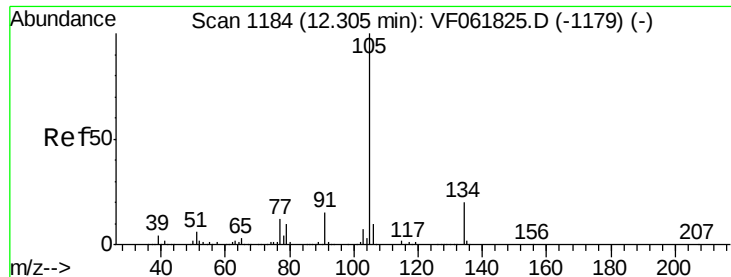
Tot Ion:119 Resp: 660659
Ion Ratio Lower Upper
119 100
91 55.7 23.5 70.5
134 26.2 13.3 39.8



#84
1,2,4-Trimethylbenzene
Concen: 54.055 ug/l
RT: 12.20 min Scan# 1174
Delta R.T. -0.00 min
Lab File: VF061843.D
Acq: 5 Mar 2019 13:49

Tgt Ion:105 Resp: 602439
Ion Ratio Lower Upper
105 100
120 52.1 25.8 77.4





#85

sec-Butylbenzene

Concen: 54.156 ug/l

RT: 12.30 min Scan# 1184

Delta R.T. -0.00 min

Lab File: VF061843.D

Acq: 5 Mar 2019 13:49

Instrument :

MSVOA_F

ClientSampleId :

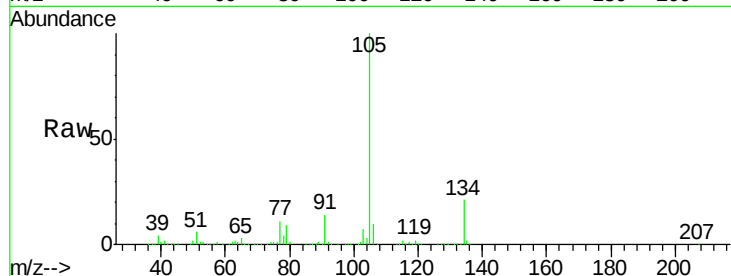
VSTDCCC050

Tot Ion:105 Resp: 850762

Ion Ratio Lower Upper

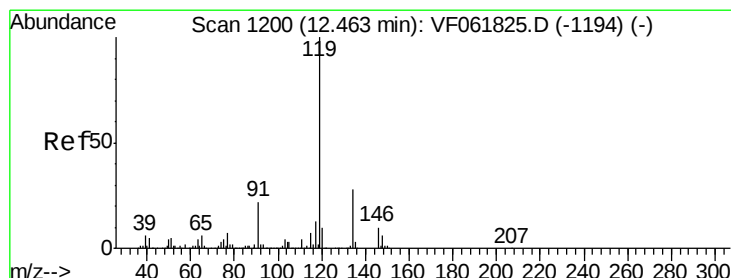
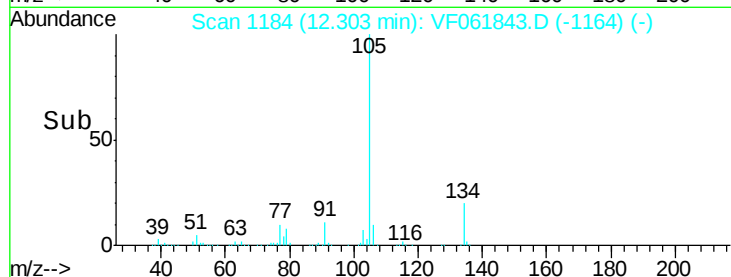
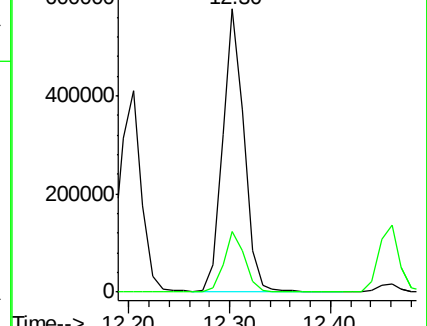
105 100

134 21.4 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 55.274 ug/l

RT: 12.46 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VF061843.D

Acq: 5 Mar 2019 13:49

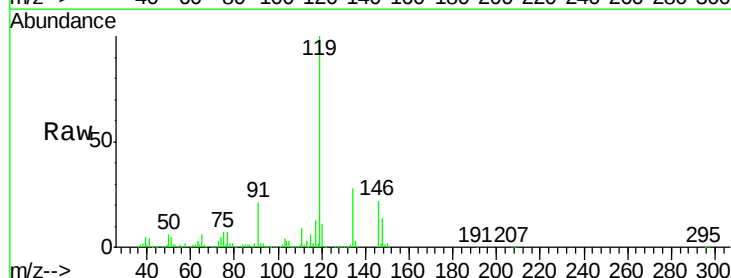
Tgt Ion:119 Resp: 738105

Ion Ratio Lower Upper

119 100

134 28.3 14.0 42.0

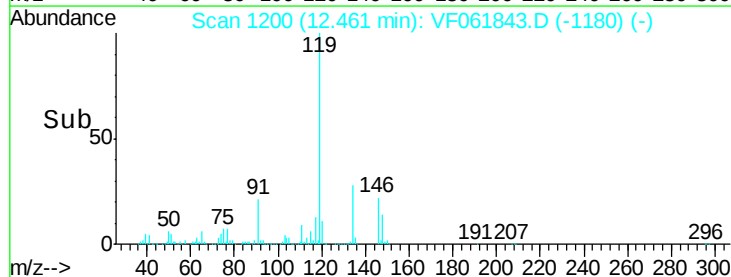
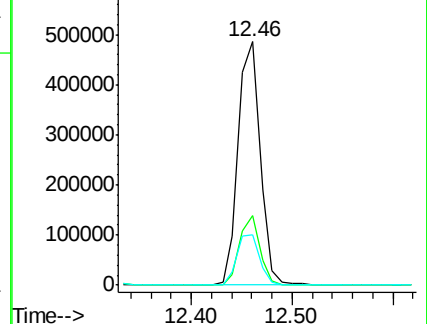
91 20.9 11.1 33.3

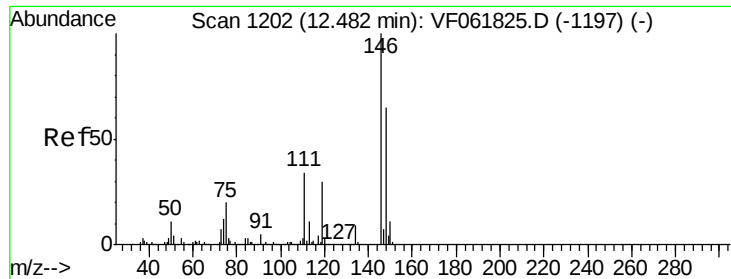


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

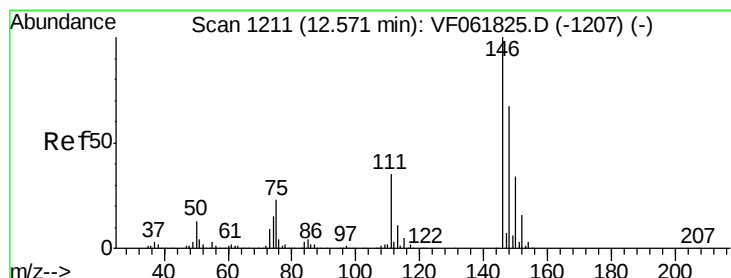
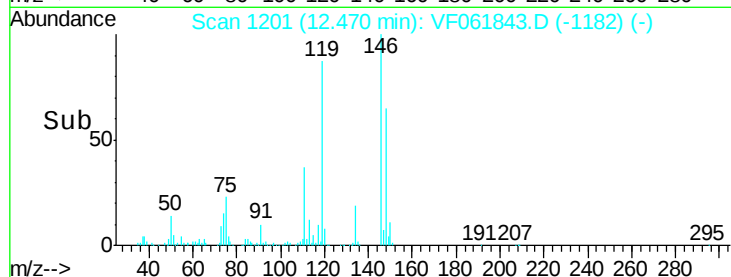
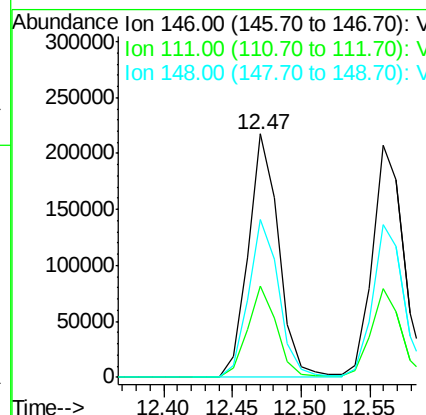
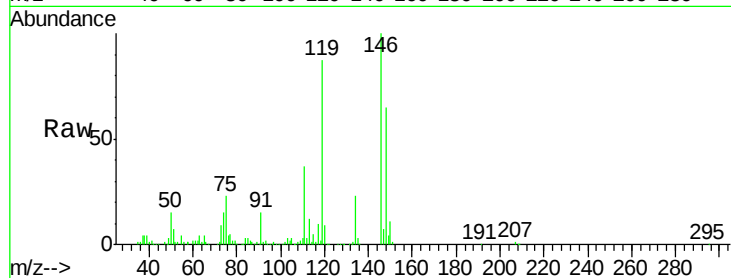




#87
 1,3-Dichlorobenzene
 Concen: 52.124 ug/l
 RT: 12.47 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: VF061843.D
 Acq: 5 Mar 2019 13:49

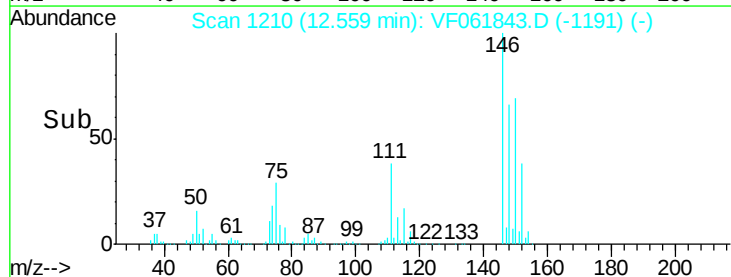
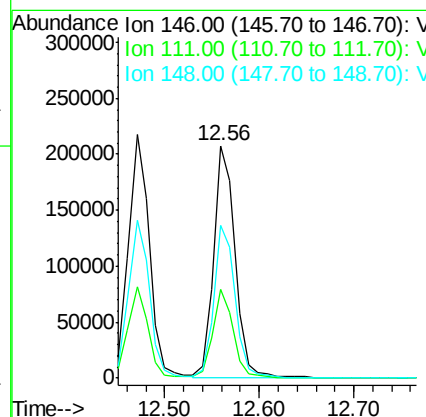
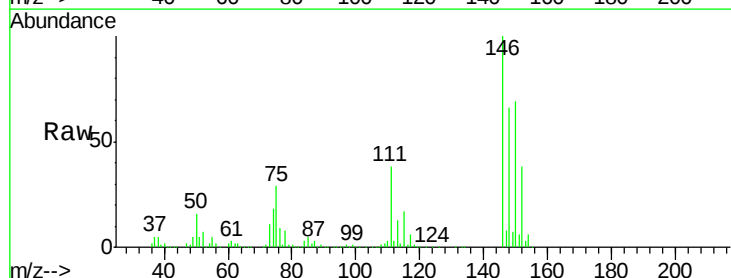
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

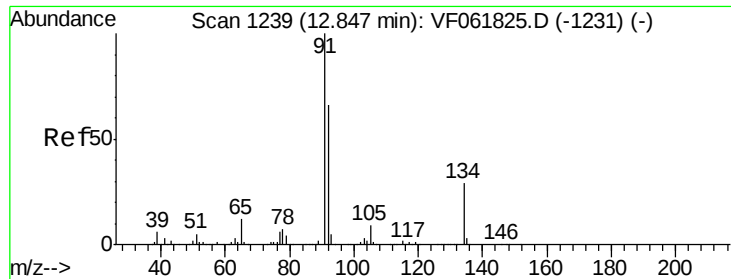
Tot Ion:146 Resp: 337288
 Ion Ratio Lower Upper
 146 100
 111 37.4 17.0 51.0
 148 65.0 32.5 97.5



#88
 1,4-Dichlorobenzene
 Concen: 52.723 ug/l
 RT: 12.56 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: VF061843.D
 Acq: 5 Mar 2019 13:49

Tgt Ion:146 Resp: 329097
 Ion Ratio Lower Upper
 146 100
 111 38.4 17.6 52.9
 148 66.0 33.5 100.4

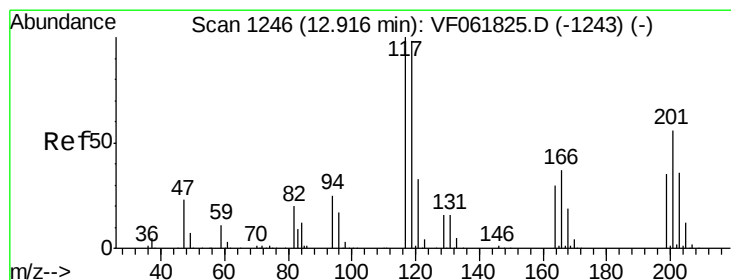
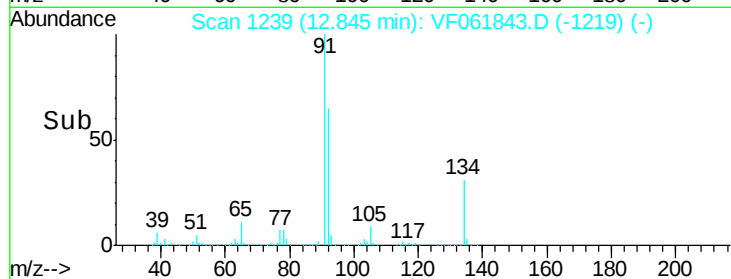
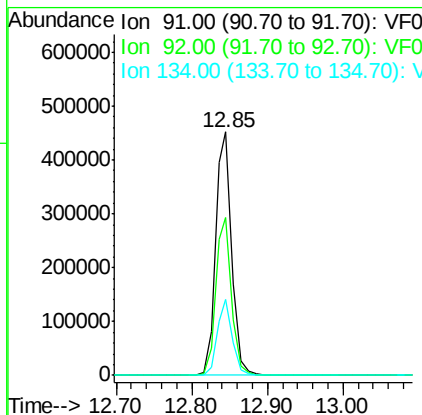
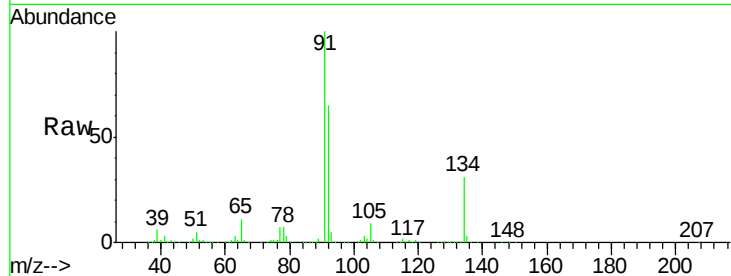




#89
n-Butylbenzene
Concen: 53.216 ug/l
RT: 12.85 min Scan# 1239
Delta R.T. -0.00 min
Lab File: VF061843.D
Acq: 5 Mar 2019 13:49

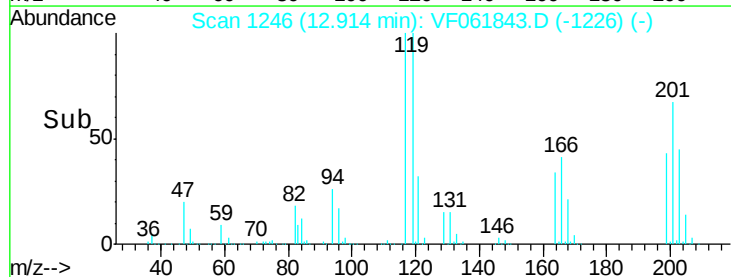
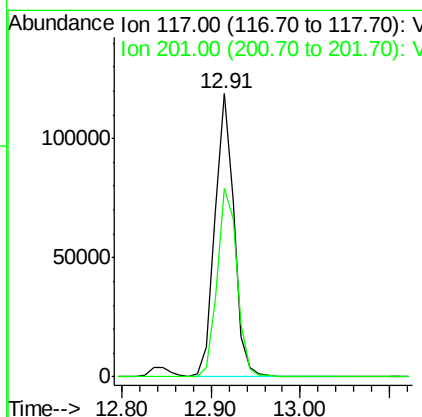
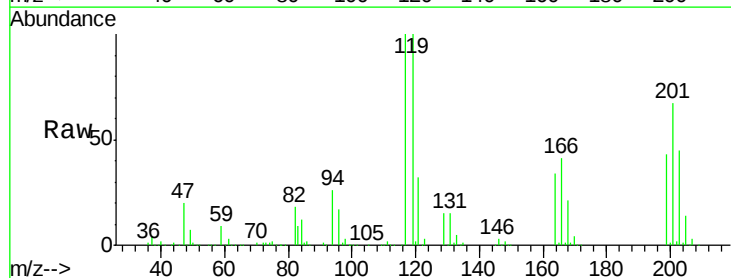
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

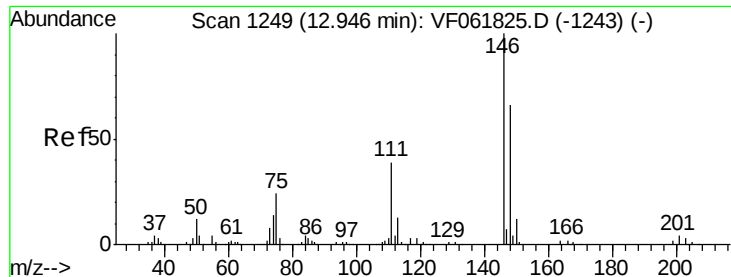
Tot Ion: 91 Resp: 679123
Ion Ratio Lower Upper
91 100
92 64.9 32.9 98.6
134 31.3 14.5 43.6



#90
Hexachloroethane
Concen: 55.192 ug/l
RT: 12.91 min Scan# 1246
Delta R.T. -0.00 min
Lab File: VF061843.D
Acq: 5 Mar 2019 13:49

Tgt Ion: 117 Resp: 177397
Ion Ratio Lower Upper
117 100
201 66.9 27.8 83.4

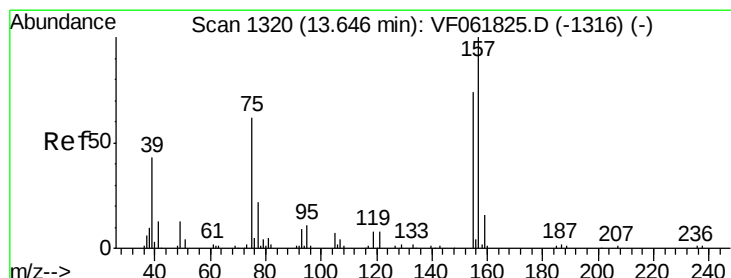
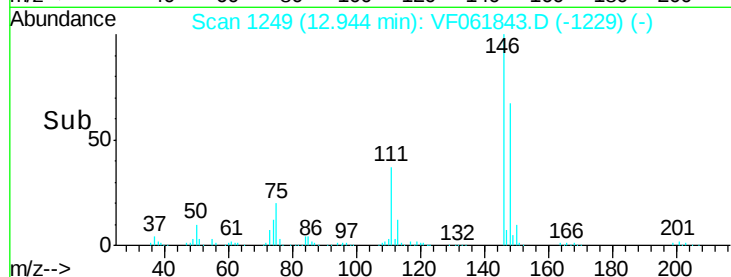
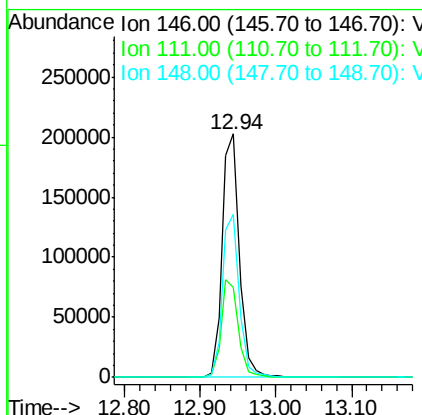
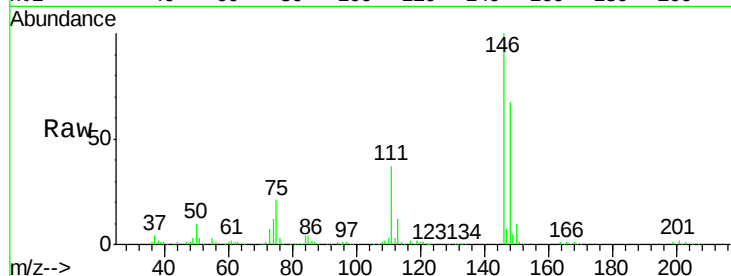




#91
 1,2-Dichlorobenzene
 Concen: 52.918 ug/l
 RT: 12.94 min Scan# 1249
 Delta R.T. -0.00 min
 Lab File: VF061843.D
 Acq: 5 Mar 2019 13:49

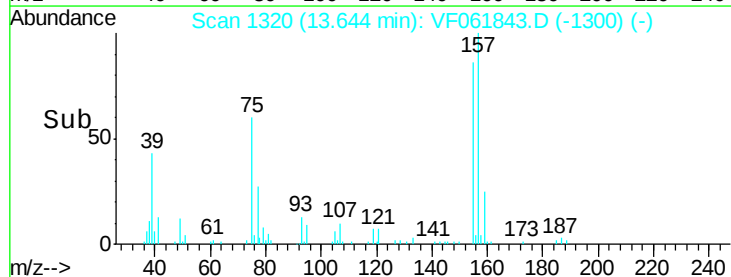
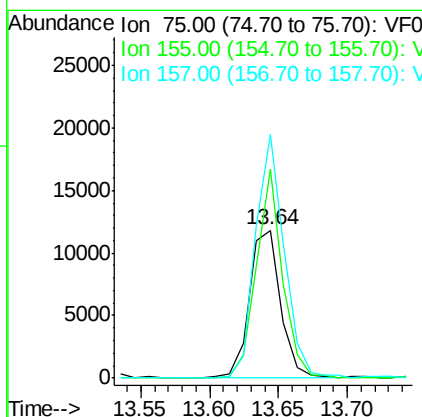
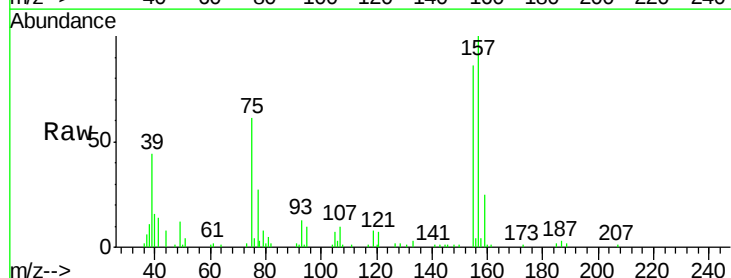
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

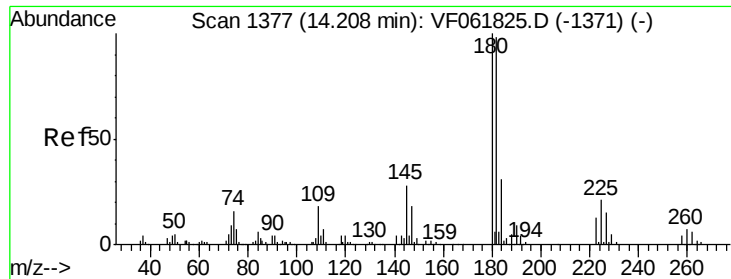
Tot Ion:146 Resp: 324431
 Ion Ratio Lower Upper
 146 100
 111 37.0 19.4 58.4
 148 66.9 33.0 98.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.258 ug/l
 RT: 13.64 min Scan# 1320
 Delta R.T. -0.00 min
 Lab File: VF061843.D
 Acq: 5 Mar 2019 13:49

Tgt Ion: 75 Resp: 18780
 Ion Ratio Lower Upper
 75 100
 155 141.2 59.8 179.4
 157 164.4 81.2 243.4

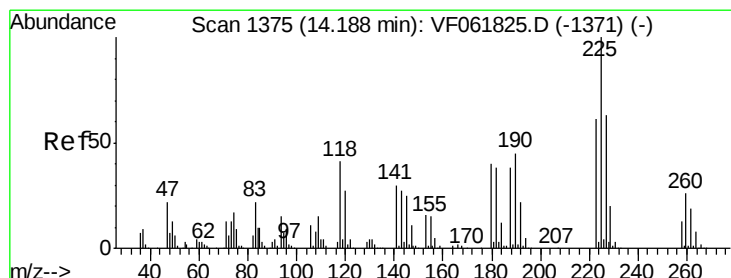
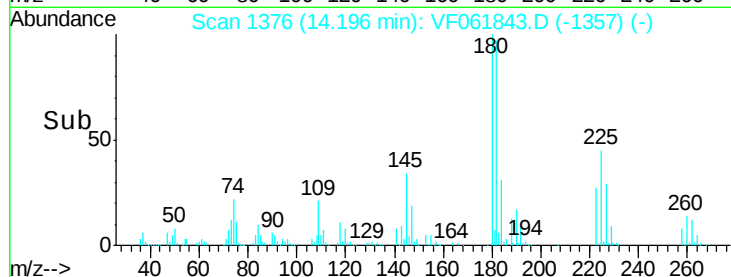
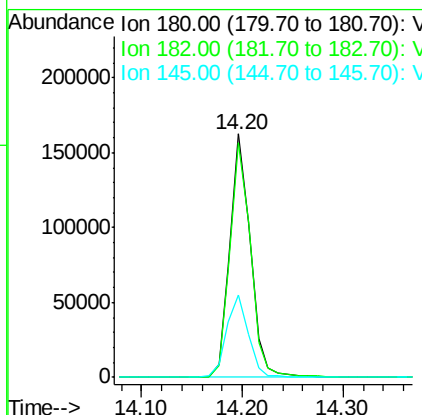
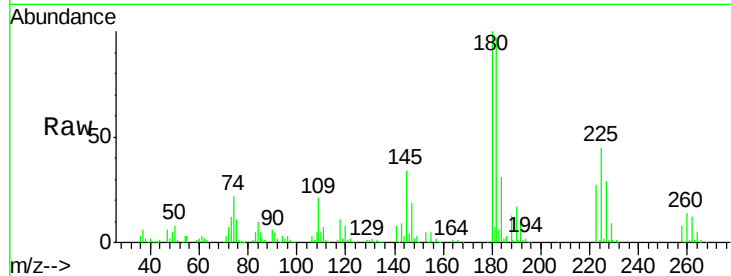




#93
 1,2,4-Trichlorobenzene
 Concen: 53.598 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. -0.01 min
 Lab File: VF061843.D
 Acq: 5 Mar 2019 13:49

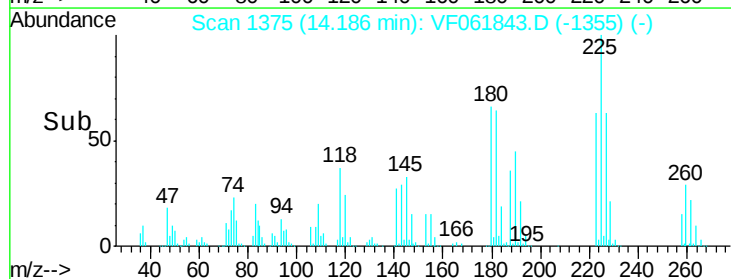
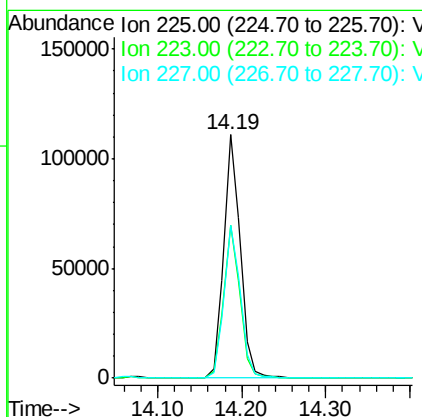
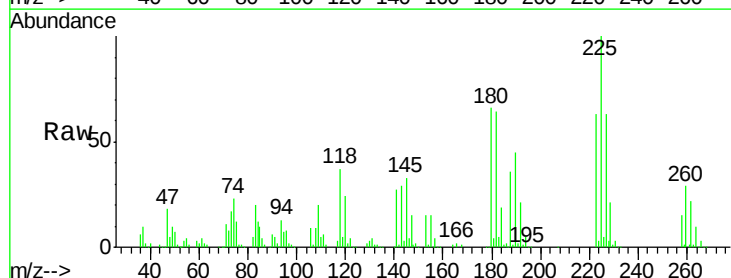
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

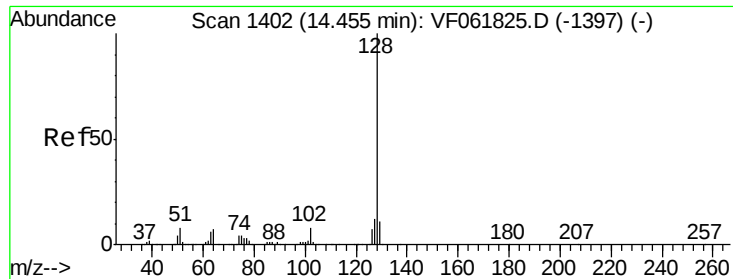
Tot Ion:180 Resp: 230368
 Ion Ratio Lower Upper
 180 100
 182 96.6 49.0 147.2
 145 33.8 14.1 42.4



#94
 Hexachlorobutadiene
 Concen: 51.261 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.00 min
 Lab File: VF061843.D
 Acq: 5 Mar 2019 13:49

Tgt Ion:225 Resp: 152525
 Ion Ratio Lower Upper
 225 100
 223 62.7 30.3 90.9
 227 62.9 31.3 93.8

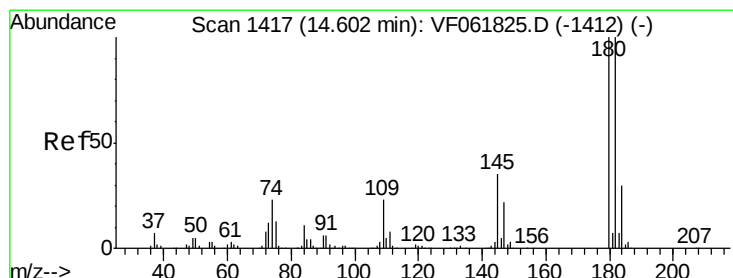
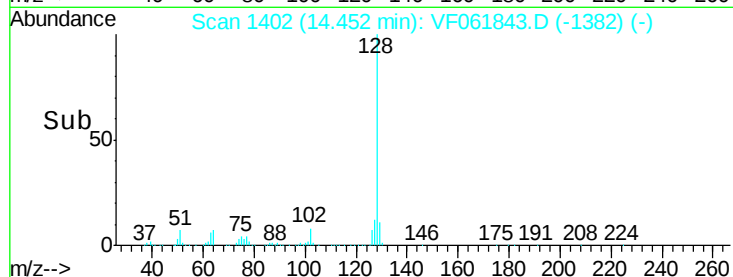
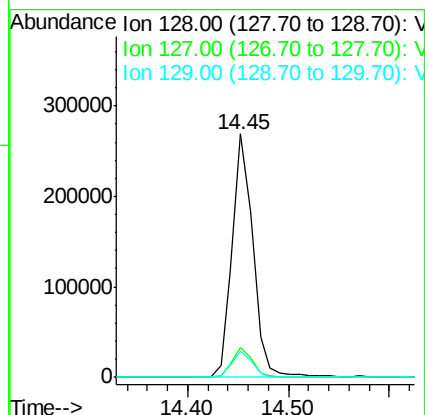
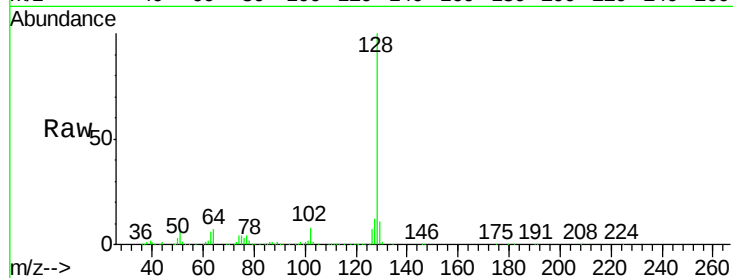




#95
Naphthalene
Concen: 50.723 ug/l
RT: 14.45 min Scan# 1402
Delta R.T. -0.00 min
Lab File: VF061843.D
Acq: 5 Mar 2019 13:49

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 388298
Ion Ratio Lower Upper
128 100
127 12.5 9.3 13.9
129 10.9 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 54.700 ug/l
RT: 14.60 min Scan# 1417
Delta R.T. -0.00 min
Lab File: VF061843.D
Acq: 5 Mar 2019 13:49

Tgt Ion:180 Resp: 217076
Ion Ratio Lower Upper
180 100
182 97.3 50.2 150.7
145 32.9 17.5 52.5

