

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF022519\
 Data File : VF061723.D
 Acq On : 25 Feb 2019 11:19
 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: Feb 26 04:34:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 03:27:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	356288	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.60	114	521404	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.77	117	466320	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.55	152	260212	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.85	65	129028	49.38	ug/l	-0.01
Spiked Amount			Recovery	=	98.76%	
35) Dibromofluoromethane	4.11	113	184443	47.64	ug/l	-0.01
Spiked Amount			Recovery	=	95.28%	
50) Toluene-d8	7.55	98	556094	49.96	ug/l	-0.01
Spiked Amount			Recovery	=	99.92%	
62) 4-Bromofluorobenzene	11.41	95	214169	47.55	ug/l	0.00
Spiked Amount			Recovery	=	95.10%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.96	85	201991	49.367	ug/l	98
3) Chloromethane	1.09	50	209407	48.779	ug/l	100
4) Vinyl Chloride	1.14	62	197100	49.388	ug/l	97
5) Bromomethane	1.33	94	141622	51.561	ug/l	89
6) Chloroethane	1.38	64	97342	49.494	ug/l	97
7) Trichlorofluoromethane	1.48	101	254140	52.797	ug/l	98
8) Diethyl Ether	1.63	74	55824	46.020	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	1.82	101	178110	51.292	ug/l	94
10) Methyl Iodide	1.90	142	328837m	49.574	ug/l	
11) Tert butyl alcohol	2.57	59	32423	214.427	ug/l #	92
12) 1,1-Dichloroethene	1.78	96	148271	48.565	ug/l	96
13) Acrolein	2.00	56	44735	235.397	ug/l	99
14) Allyl chloride	2.10	41	189094	50.474	ug/l	100
15) Acrylonitrile	2.94	53	110319	205.690	ug/l	93
16) Acetone	2.23	43	157427	280.833	ug/l	91
17) Carbon Disulfide	1.82	76	459779	47.910	ug/l	99
18) Methyl Acetate	2.34	43	53916	42.695	ug/l	96
19) Methyl tert-butyl Ether	2.43	73	255639	48.994	ug/l	99
20) Methylene Chloride	2.18	84	147504m	49.058	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	153636	46.291	ug/l	95
22) Diisopropyl ether	2.80	45	448453	49.867	ug/l	97
23) Vinyl Acetate	3.18	43	946739	215.539	ug/l	98
24) 1,1-Dichloroethane	2.87	63	263072	48.339	ug/l	99
25) 2-Butanone	4.32	43	299143	244.305	ug/l	96
26) 2,2-Dichloropropane	3.60	77	123958	53.773	ug/l	100
27) cis-1,2-Dichloroethene	3.48	96	219614	50.413	ug/l	97
28) Bromochloromethane	3.71	49	120038	45.970	ug/l	90
29) Tetrahydrofuran	4.07	42	117316	210.800	ug/l	98
30) Chloroform	3.86	83	322865	52.167	ug/l	98
31) Cyclohexane	3.68	56	278196	47.220	ug/l	98
32) 1,1,1-Trichloroethane	4.10	97	224100	55.276	ug/l	99
36) 1,1-Dichloropropene	4.28	75	259482	50.237	ug/l	97
37) Ethyl Acetate	4.12	43	101238	42.199	ug/l	90
38) Carbon Tetrachloride	3.99	117	199402	55.908	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	310062	50.758	ug/l	98
40) Benzene	4.63	78	685566	50.744	ug/l	99
41) Methacrylonitrile	4.75	41	55484	45.223	ug/l	95
42) 1,2-Dichloroethane	4.94	62	159678	49.410	ug/l	95
43) Isopropyl Acetate	6.96	43	127013	44.727	ug/l #	93
44) Trichloroethene	5.50	130	221010	50.587	ug/l	96
45) 1,2-Dichloropropane	6.23	63	167745	51.366	ug/l	96
46) Dibromomethane	6.08	93	101876	50.667	ug/l	94
47) Bromodichloromethane	6.39	83	228894	51.984	ug/l	98
48) Methyl methacrylate	6.71	41	76084	44.521	ug/l	95
49) 1,4-Dioxane	6.70	88	12160	756.930	ug/l	89
51) 4-Methyl-2-Pentanone	8.26	43	432720	213.257	ug/l	99
52) Toluene	7.62	92	427286	52.148	ug/l	96
53) t-1,3-Dichloropropene	8.28	75	188706	51.494	ug/l	99
54) cis-1,3-Dichloropropene	7.30	75	252985	51.828	ug/l	97
55) 1,1,2-Trichloroethane	8.49	97	117073	48.630	ug/l	95
56) Ethyl methacrylate	8.61	69	128372	47.895	ug/l	95
57) 1,3-Dichloropropane	8.85	76	206708	51.442	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.29	63	93994	203.253	ug/l	97
59) 2-Hexanone	9.49	43	347009	243.969	ug/l	97
60) Dibromochloromethane	8.71	129	177684	53.027	ug/l	100
61) 1,2-Dibromoethane	8.99	107	128498	49.211	ug/l	90
64) Tetrachloroethene	8.15	164	196507	51.555	ug/l	98
65) Chlorobenzene	9.80	112	493132	52.113	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.93	131	190444	51.361	ug/l	99
67) Ethyl Benzene	9.90	91	791952	50.326	ug/l	96
68) m/p-Xylenes	10.13	106	618645	102.722	ug/l	94
69) o-Xylene	10.71	106	348170	54.178	ug/l	98
70) Styrene	10.78	104	466747	51.341	ug/l	99
71) Bromoform	10.77	173	103535	51.421	ug/l	99
73) Isopropylbenzene	11.12	105	954063	51.497	ug/l	98
74) N-amyl acetate	11.37	43	204087	45.895	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.69	83	157216	47.367	ug/l	96
76) 1,2,3-Trichloropropane	11.79	75	101134	44.817	ug/l	99
77) Bromobenzene	11.49	156	226122	49.405	ug/l	98
78) n-propylbenzene	11.59	91	1061528	49.931	ug/l	98
79) 2-Chlorotoluene	11.72	91	603788	50.711	ug/l	97
80) 1,3,5-Trimethylbenzene	11.82	105	729711	49.281	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.87	75	53563m	49.511	ug/l	
82) 4-Chlorotoluene	11.90	91	599444	48.505	ug/l	98
83) tert-Butylbenzene	12.12	119	816126	49.762	ug/l	99
84) 1,2,4-Trimethylbenzene	12.20	105	736893	50.092	ug/l	98
85) sec-Butylbenzene	12.30	105	1019523	48.071	ug/l	100
86) p-Isopropyltoluene	12.46	119	873169	49.057	ug/l	98
87) 1,3-Dichlorobenzene	12.47	146	418413	46.893	ug/l	98
88) 1,4-Dichlorobenzene	12.57	146	437780	51.016	ug/l	97
89) n-Butylbenzene	12.84	91	837223	49.813	ug/l	92
90) Hexachloroethane	12.91	117	226837	54.797	ug/l	92
91) 1,2-Dichlorobenzene	12.94	146	416230	49.044	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.64	75	24997	47.501	ug/l	72

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Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Quant Time: Feb 26 04:34:11 2019
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Quant Title : SW846 8260
QLast Update : Thu Feb 14 03:27:56 2019
Response via : Initial Calibration

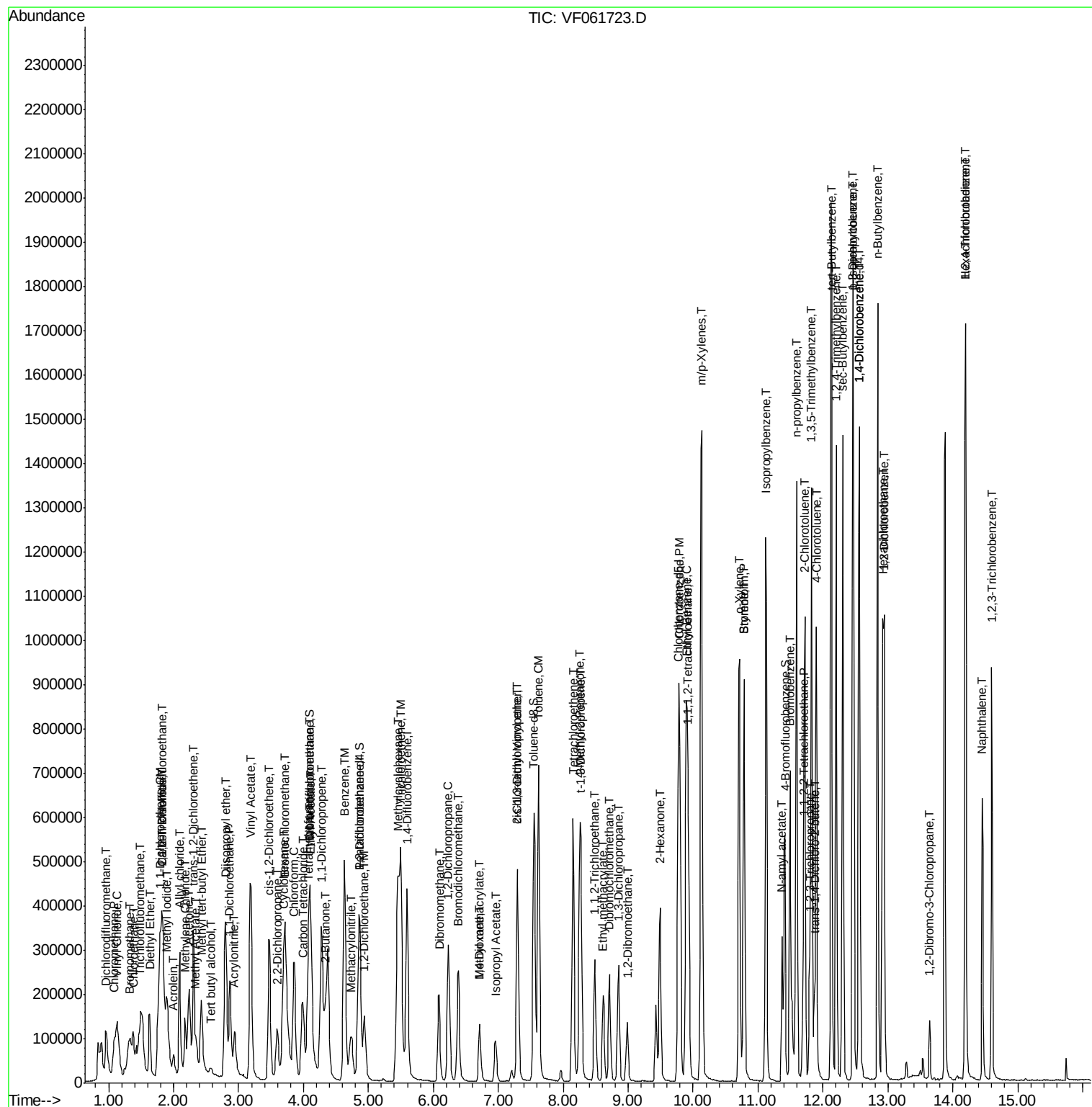
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	293751	48.289	ug/l	97
94) Hexachlorobutadiene	14.19	225	200823	53.453	ug/l	99
95) Naphthalene	14.45	128	505416	47.487	ug/l	99
96) 1,2,3-Trichlorobenzene	14.60	180	281727	50.457	ug/l	99

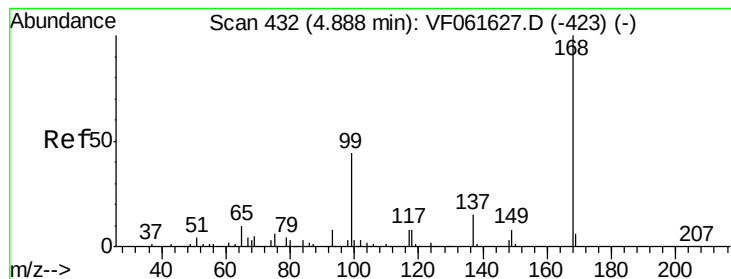
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF022519\
 Data File : VF061723.D
 Acq On : 25 Feb 2019 11:19
 Operator : VA/AP
 Sample : VSTDC050
 Misc : 5.00µL/MSVOA-F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDC050

Quant Time: Feb 26 04:34:11 2019
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 03:27:56 2019
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.02 min

Lab File: VF061723.D

Acq: 25 Feb 2019 11:19

Instrument :

MSVOA_F

ClientSampleId :

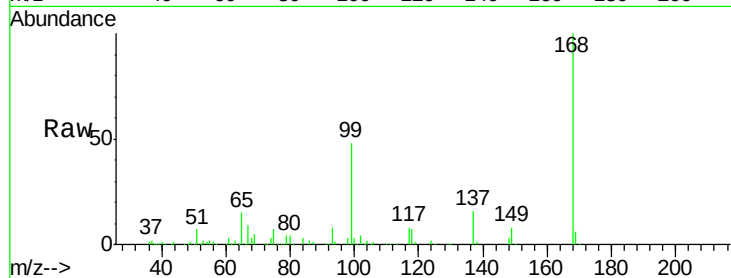
VSTDCCC050

Tot Ion:168 Resp: 356288

Ion Ratio Lower Upper

168 100

99 47.8 34.9 52.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.87

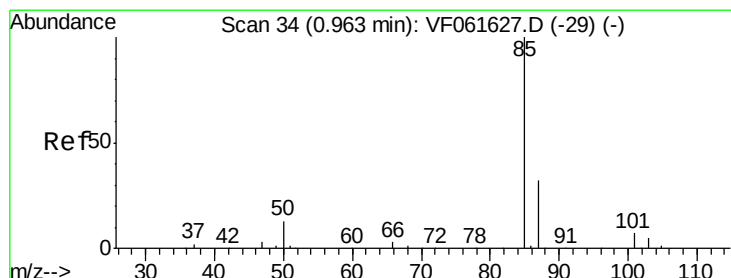
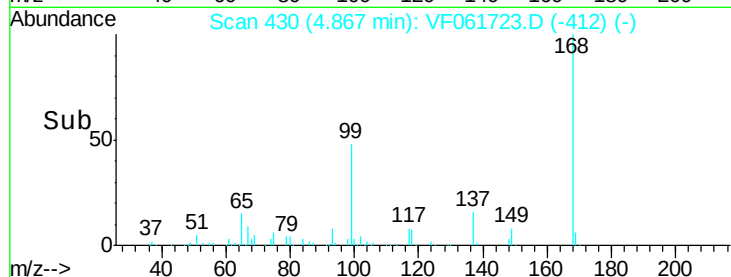
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50000

0

4.70 4.80 4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 49.367 ug/l

RT: 0.96 min Scan# 34

Delta R.T. -0.00 min

Lab File: VF061723.D

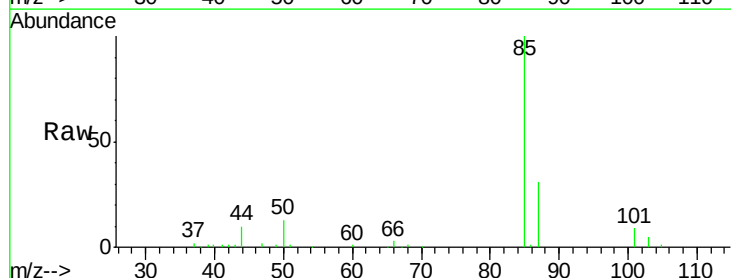
Acq: 25 Feb 2019 11:19

Tgt Ion: 85 Resp: 201991

Ion Ratio Lower Upper

85 100

87 30.9 16.1 48.2



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

60000

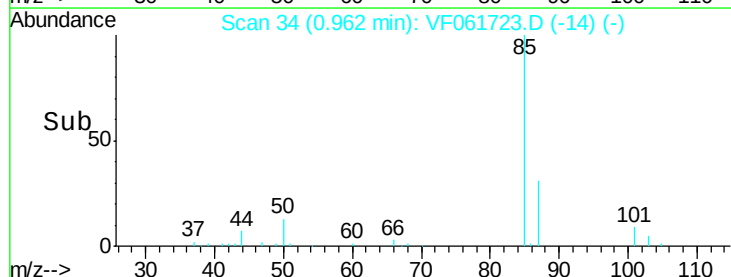
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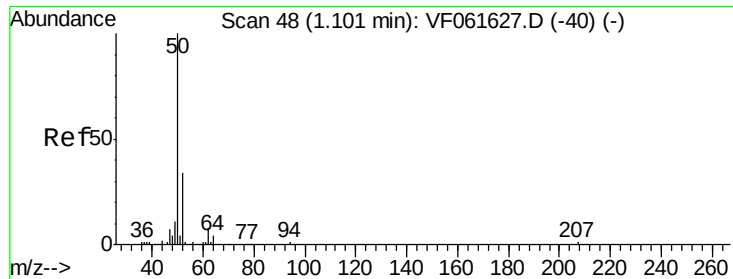
20000

0

0.80 0.90 1.00 1.10 1.20

Time-->





#3

Chloromethane

Concen: 48.779 ug/l

RT: 1.09 min Scan# 47

Delta R.T. -0.01 min

Lab File: VF061723.D

Acq: 25 Feb 2019 11:19

Instrument :

MSVOA_F

ClientSampleId :

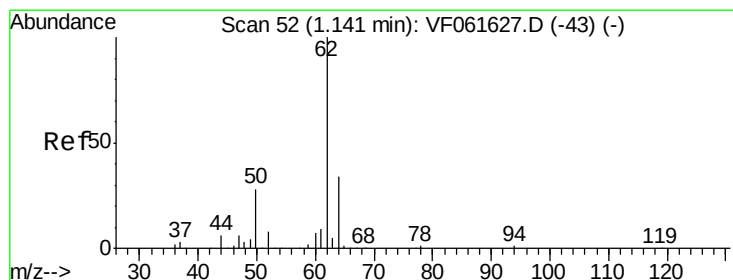
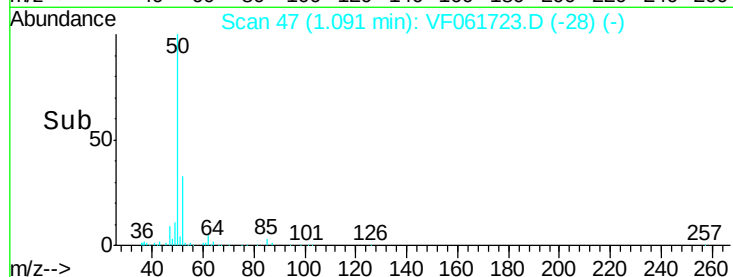
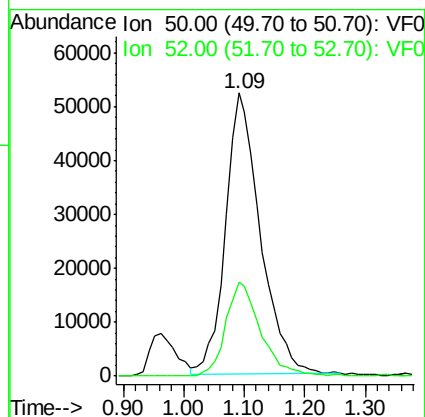
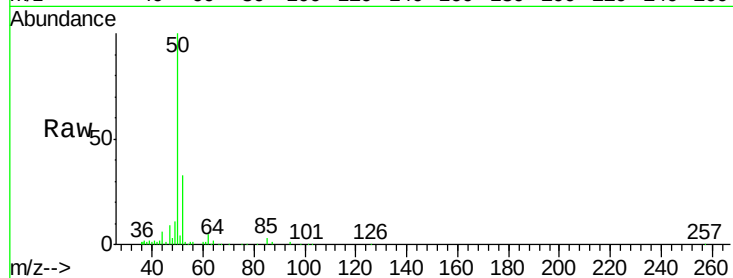
VSTDCCC050

Tot Ion: 50 Resp: 209407

Ion Ratio Lower Upper

50 100

52 33.1 26.2 39.4



#4

Vinyl Chloride

Concen: 49.388 ug/l

RT: 1.14 min Scan# 52

Delta R.T. -0.00 min

Lab File: VF061723.D

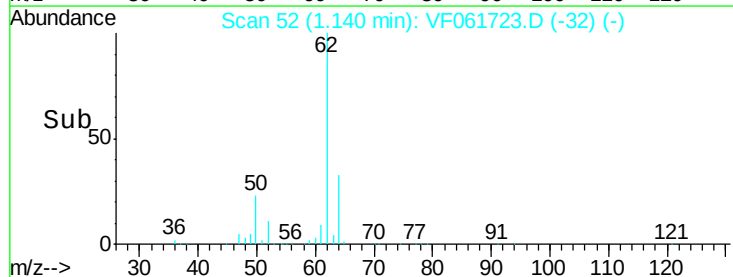
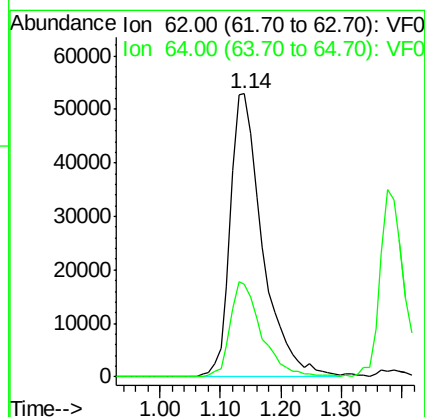
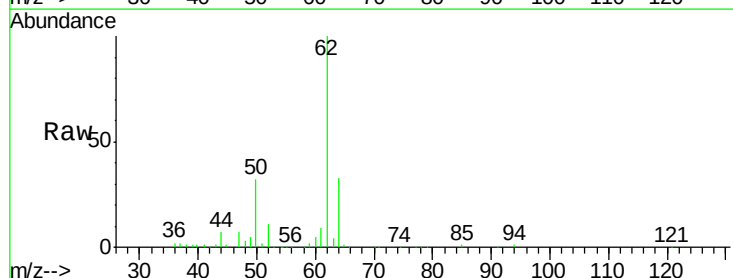
Acq: 25 Feb 2019 11:19

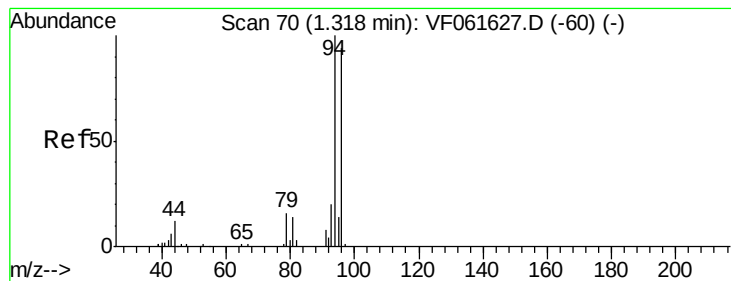
Tgt Ion: 62 Resp: 197100

Ion Ratio Lower Upper

62 100

64 32.8 27.5 41.3





#5

Bromomethane

Concen: 51.561 ug/l

RT: 1.33 min Scan# 71

Delta R.T. 0.01 min

Lab File: VF061723.D

Acq: 25 Feb 2019 11:19

Instrument :

MSVOA_F

ClientSampleId :

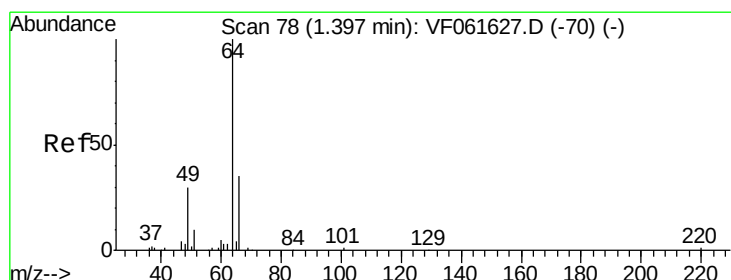
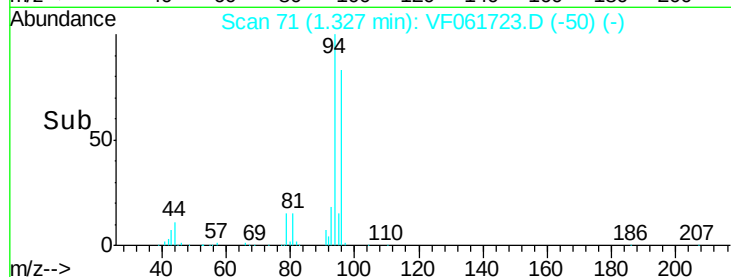
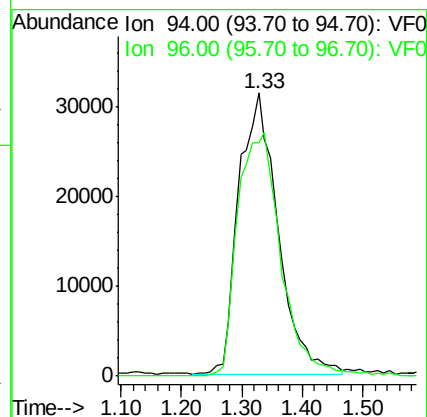
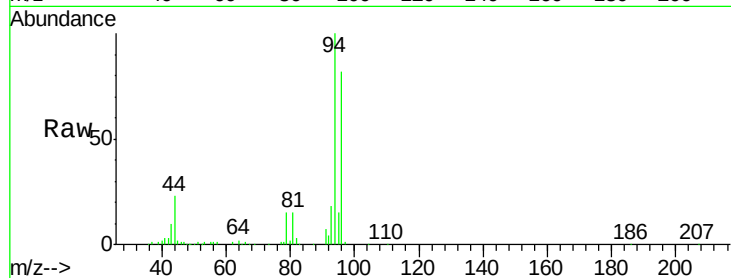
VSTDCCC050

Tot Ion: 94 Resp: 141622

Ion Ratio Lower Upper

94 100

96 82.4 74.6 112.0



#6

Chloroethane

Concen: 49.494 ug/l

RT: 1.38 min Scan# 76

Delta R.T. -0.02 min

Lab File: VF061723.D

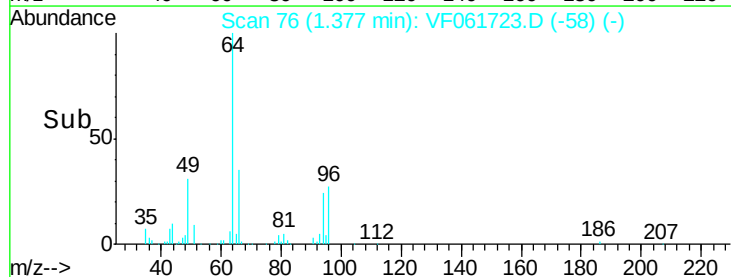
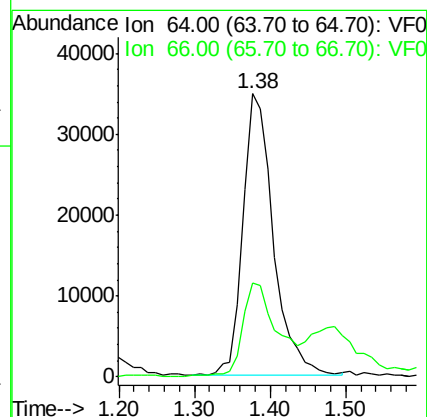
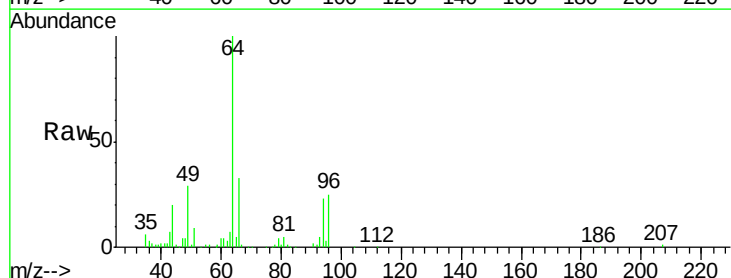
Acq: 25 Feb 2019 11:19

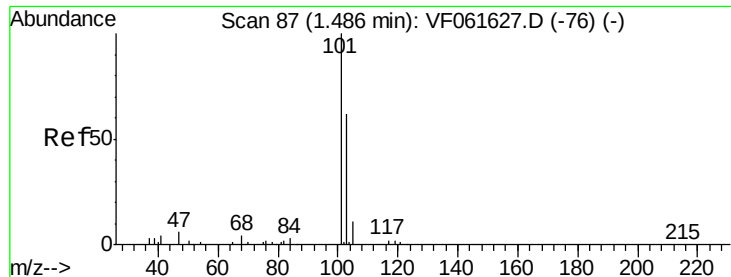
Tgt Ion: 64 Resp: 97342

Ion Ratio Lower Upper

64 100

66 33.3 27.9 41.9



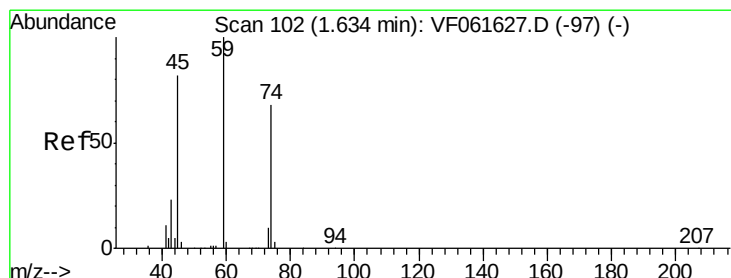
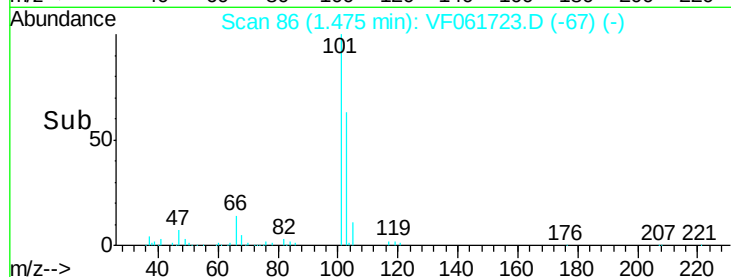
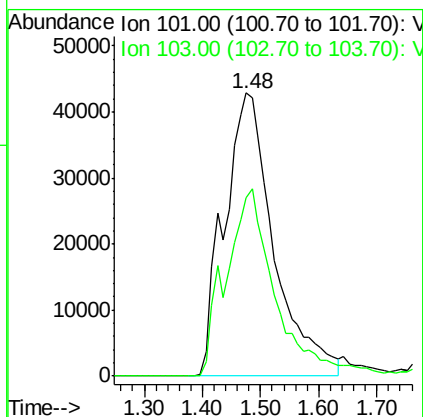
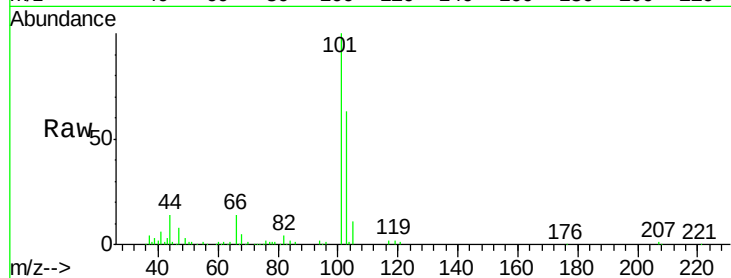


#7

Trichlorofluoromethane
Concen: 52.797 ug/l
RT: 1.48 min Scan# 86
Delta R.T. -0.01 min
Lab File: VF061723.D
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Instrument :
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ClientSampleId :
VSTDCCC050

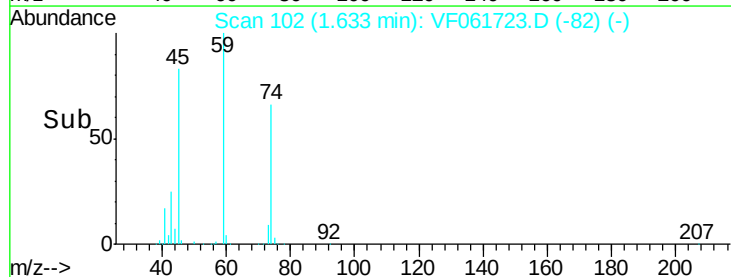
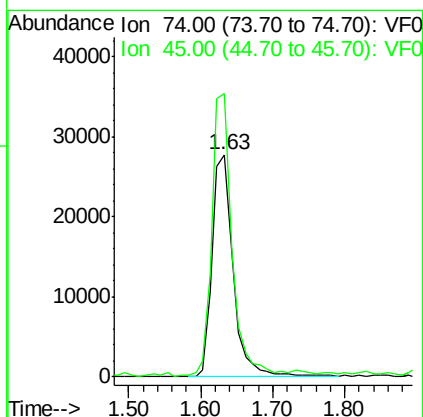
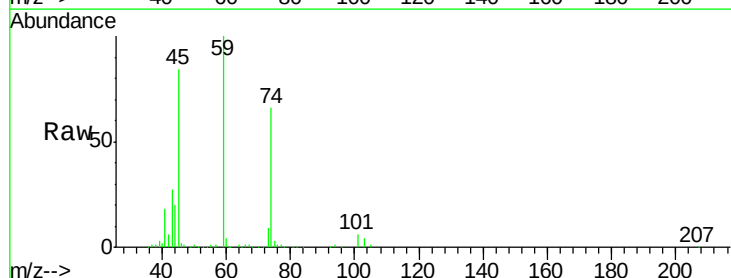
Tot Ion:101 Resp: 254140
Ion Ratio Lower Upper
101 100
103 63.2 49.3 73.9

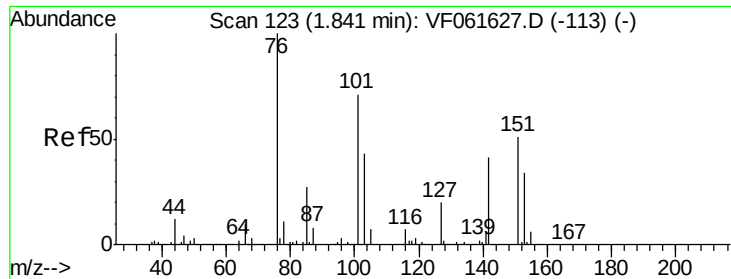


#8

Diethyl Ether
Concen: 46.020 ug/l
RT: 1.63 min Scan# 102
Delta R.T. -0.00 min
Lab File: VF061723.D
Acq: 25 Feb 2019 11:19

Tgt Ion: 74 Resp: 55824
Ion Ratio Lower Upper
74 100
45 127.4 60.8 182.3

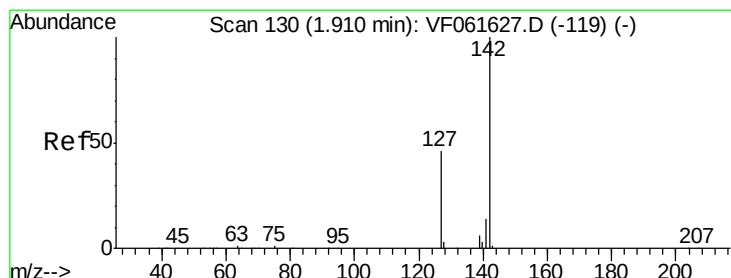
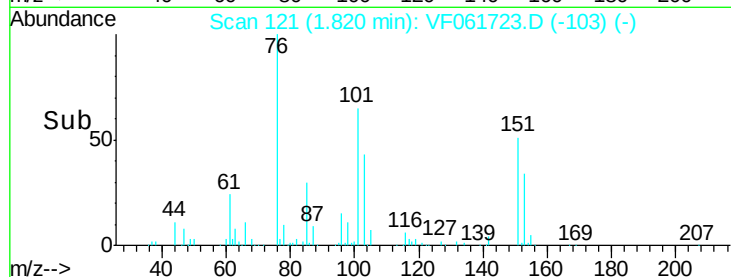
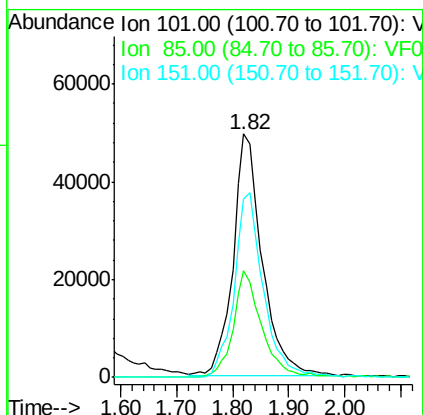
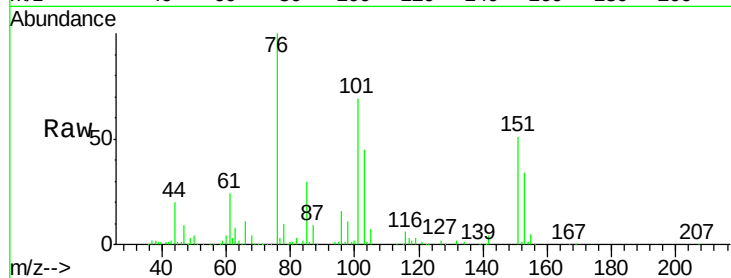




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 51.292 ug/l
 RT: 1.82 min Scan# 121
 Delta R.T. -0.02 min
 Lab File: VF061723.D
 Acq: 25 Feb 2019 11:19

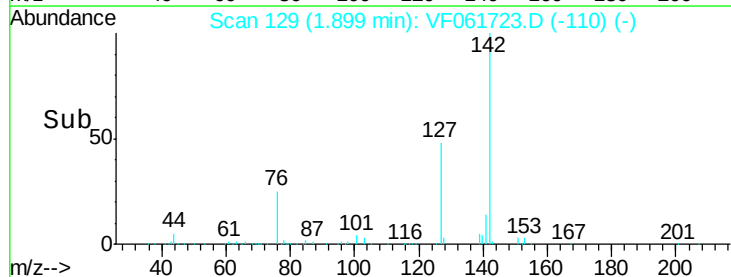
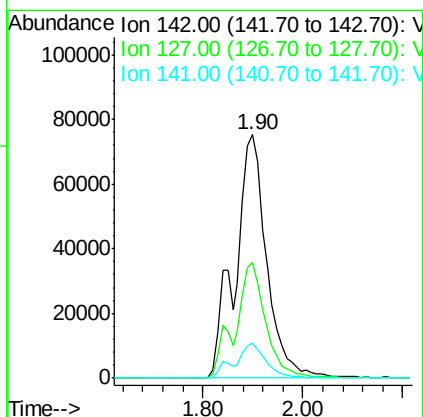
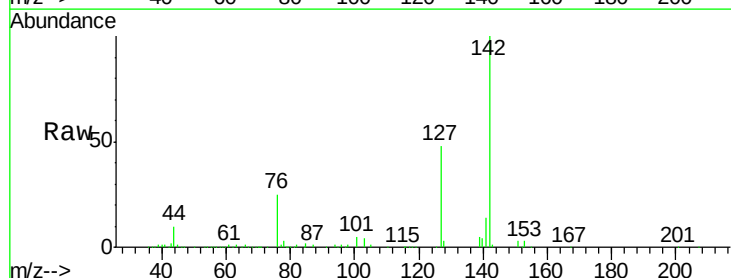
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

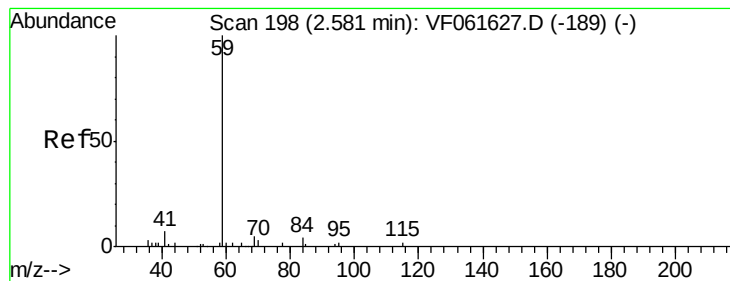
Tot Ion:101 Resp: 178110
 Ion Ratio Lower Upper
 101 100
 85 44.0 29.8 44.6
 151 73.2 56.3 84.5



#10
 Methyl Iodide
 Concen: 49.574 ug/l m
 RT: 1.90 min Scan# 129
 Delta R.T. -0.01 min
 Lab File: VF061723.D
 Acq: 25 Feb 2019 11:19

Tgt Ion:142 Resp: 328837
 Ion Ratio Lower Upper
 142 100
 127 47.7 36.6 55.0
 141 14.5 11.0 16.6



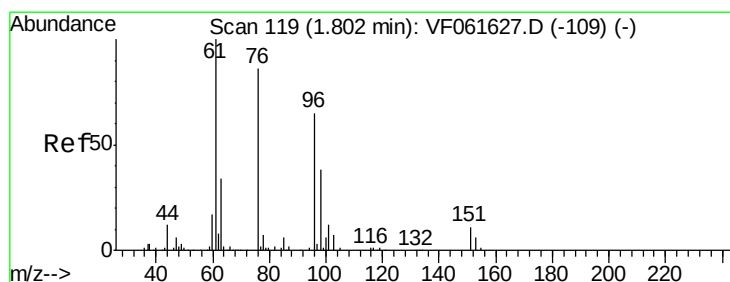
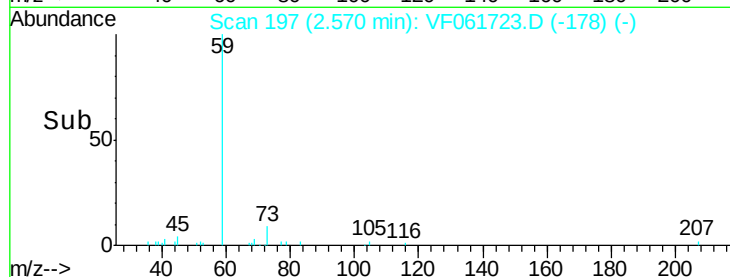
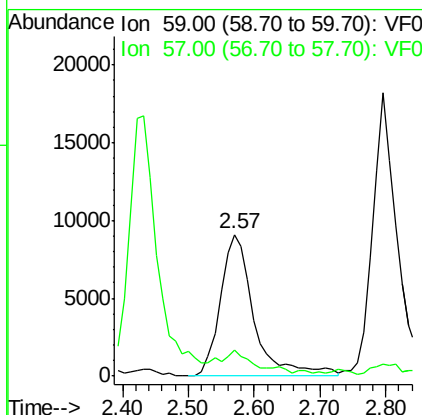
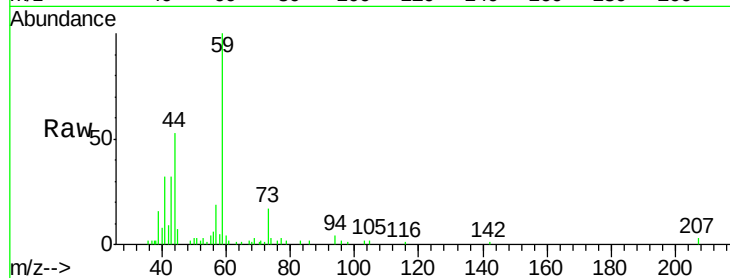


#11

Tert butyl alcohol
Concen: 214.427 ug/l
RT: 2.57 min Scan# 197
Delta R.T. -0.01 min
Lab File: VF061723.D
Acq: 25 Feb 2019 11:19

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

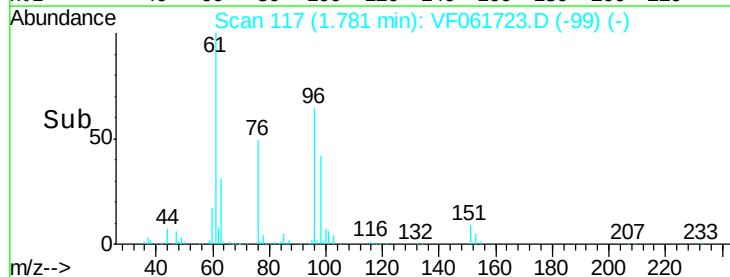
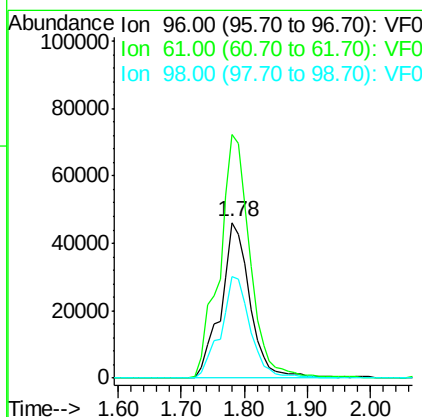
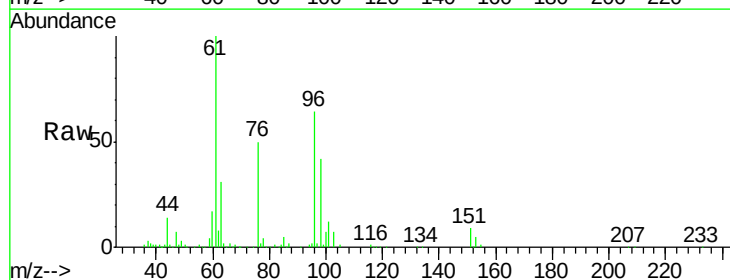
Tot Ion: 59 Resp: 32423
Ion Ratio Lower Upper
59 100
57 18.8 12.5 18.7#

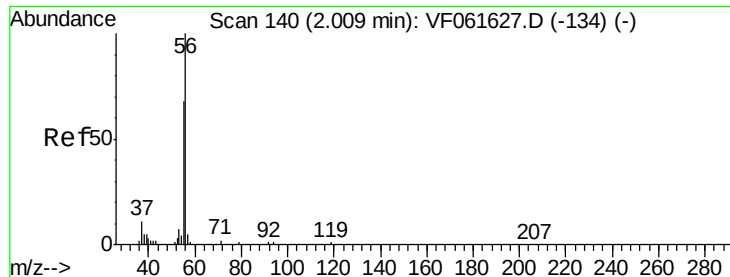


#12

1,1-Dichloroethene
Concen: 48.565 ug/l
RT: 1.78 min Scan# 117
Delta R.T. -0.02 min
Lab File: VF061723.D
Acq: 25 Feb 2019 11:19

Tgt Ion: 96 Resp: 148271
Ion Ratio Lower Upper
96 100
61 156.2 122.6 184.0
98 64.9 47.2 70.8

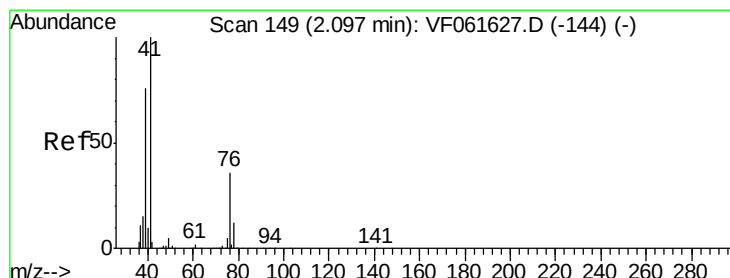
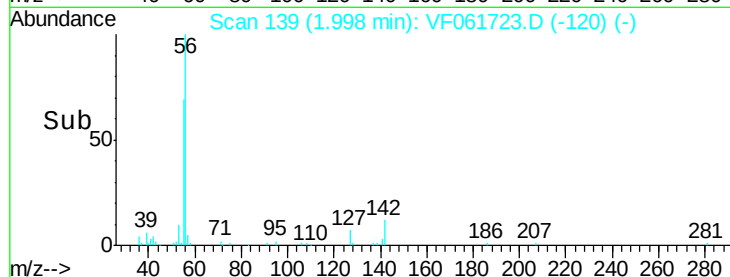
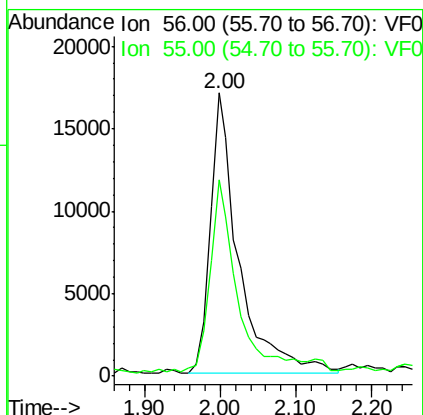
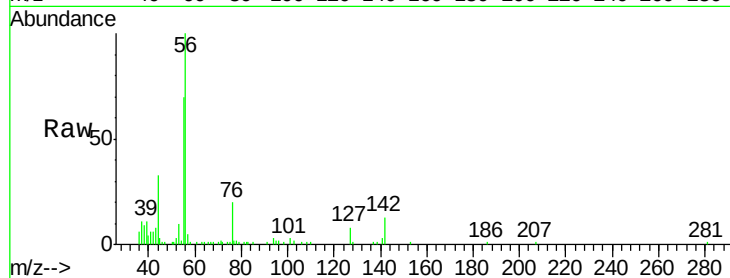




#13
 Acrolein
 Concen: 235.397 ug/l
 RT: 2.00 min Scan# 139
 Delta R.T. -0.01 min
 Lab File: VF061723.D
 Acq: 25 Feb 2019 11:19

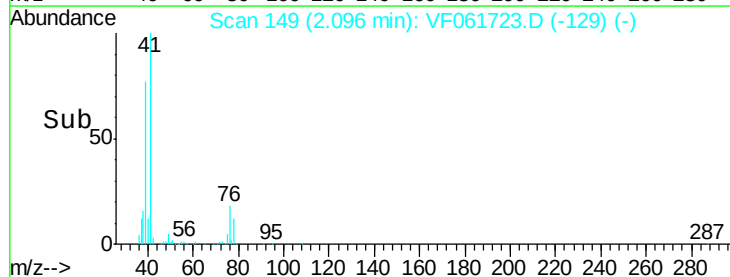
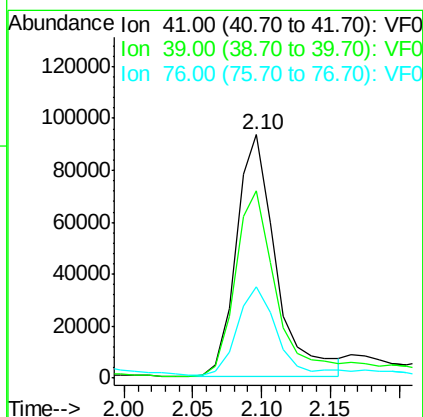
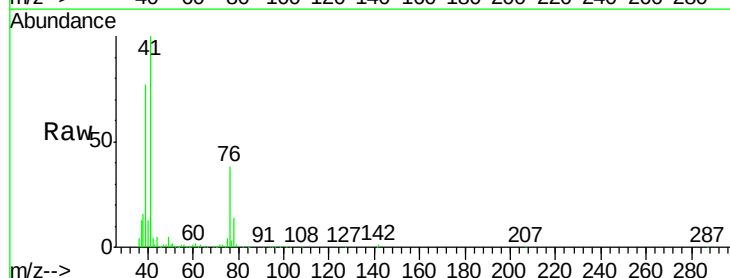
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

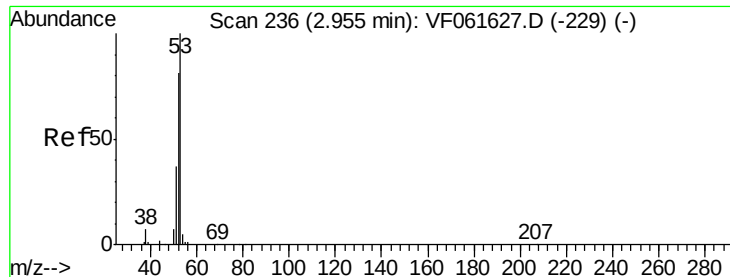
Tot Ion: 56 Resp: 44735
 Ion Ratio Lower Upper
 56 100
 55 69.5 55.0 82.6



#14
 Allyl chloride
 Concen: 50.474 ug/l
 RT: 2.10 min Scan# 149
 Delta R.T. -0.00 min
 Lab File: VF061723.D
 Acq: 25 Feb 2019 11:19

Tgt Ion: 41 Resp: 189094
 Ion Ratio Lower Upper
 41 100
 39 76.7 61.6 92.4
 76 37.7 30.3 45.5





#15

Acrylonitrile

Concen: 205.690 ug/l

RT: 2.94 min Scan# 235

Delta R.T. -0.01 min

Lab File: VF061723.D

Acq: 25 Feb 2019 11:19

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

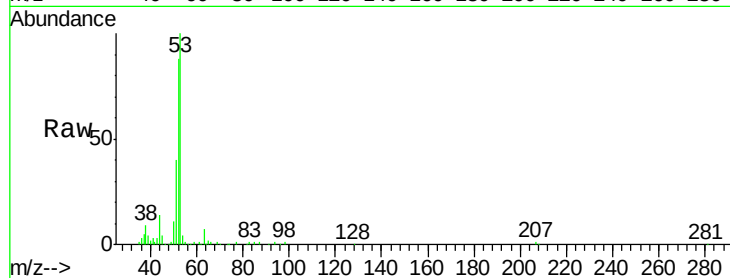
Tot Ion: 53 Resp: 110319

Ion Ratio Lower Upper

53 100

52 87.9 64.6 97.0

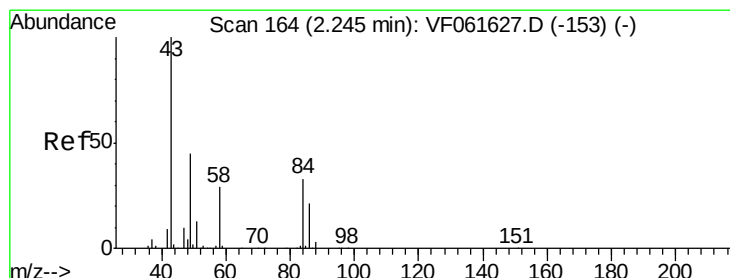
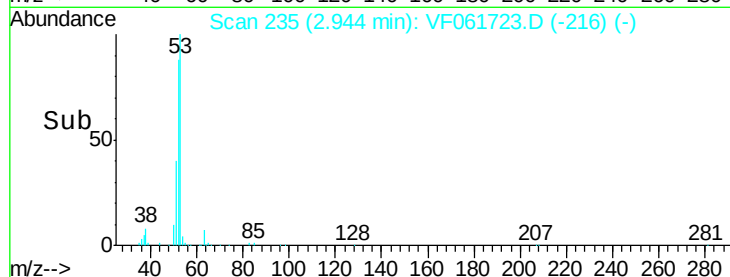
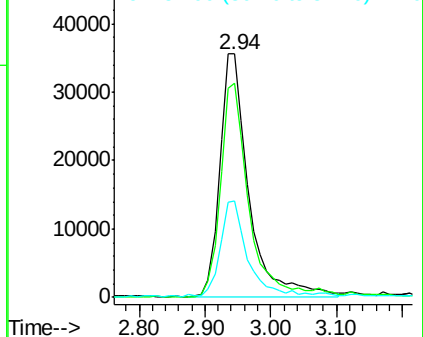
51 39.8 29.8 44.8



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 280.833 ug/l

RT: 2.23 min Scan# 163

Delta R.T. -0.01 min

Lab File: VF061723.D

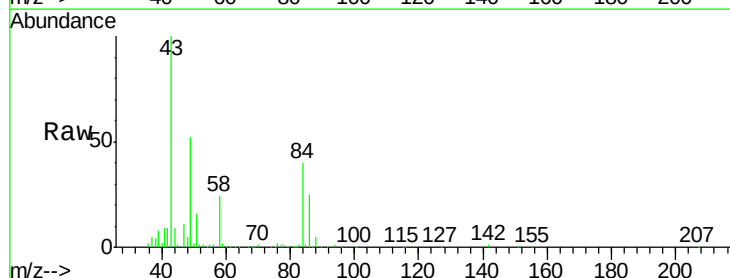
Acq: 25 Feb 2019 11:19

Tgt Ion: 43 Resp: 157427

Ion Ratio Lower Upper

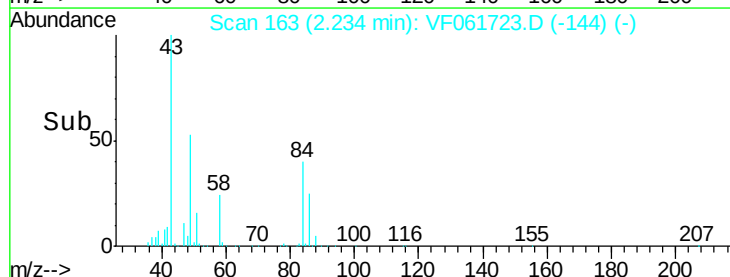
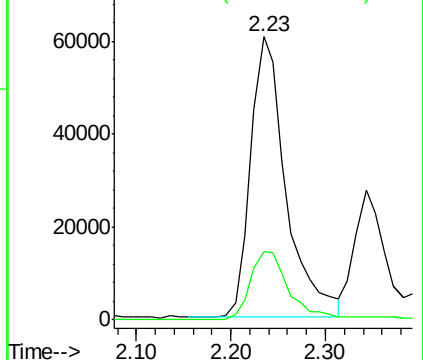
43 100

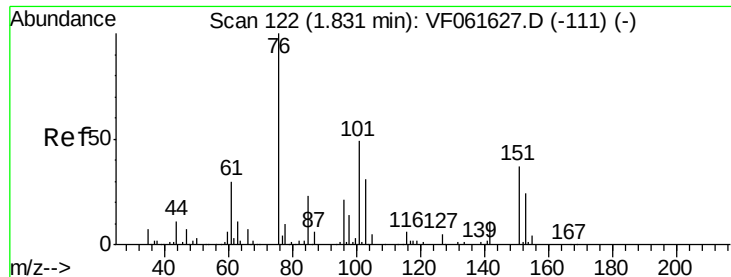
58 24.0 22.9 34.3



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

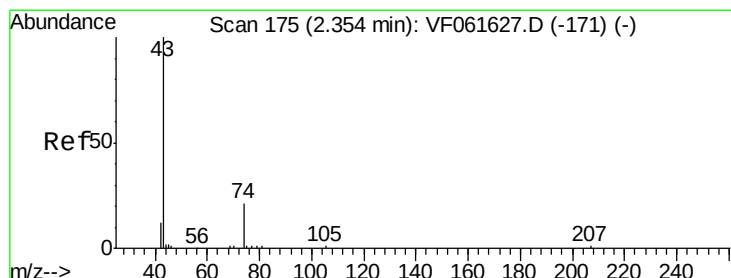
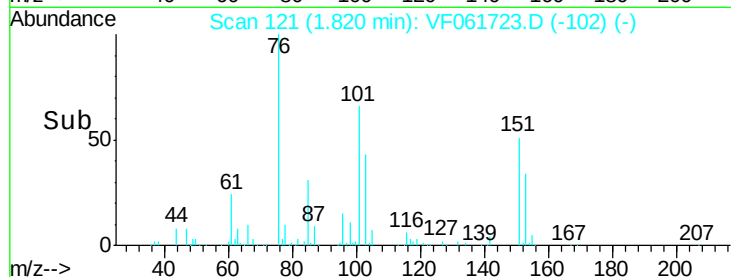
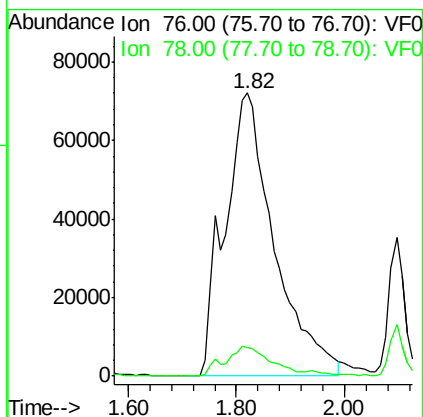
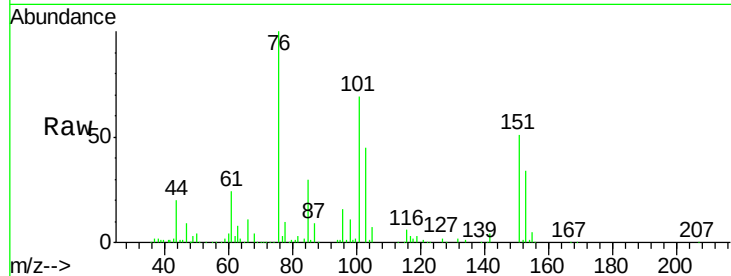




#17
Carbon Disulfide
Concen: 47.910 ug/l
RT: 1.82 min Scan# 121
Delta R.T. -0.01 min
Lab File: VF061723.D
Acq: 25 Feb 2019 11:19

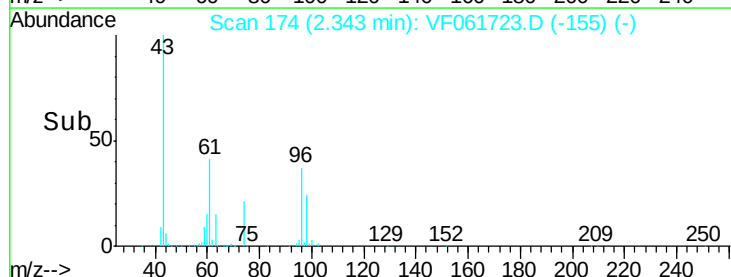
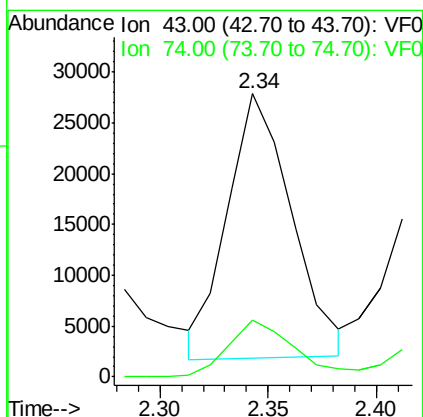
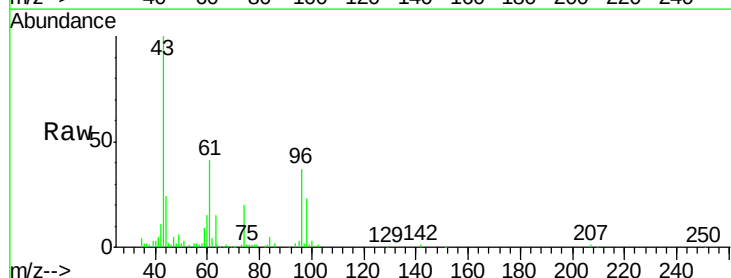
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

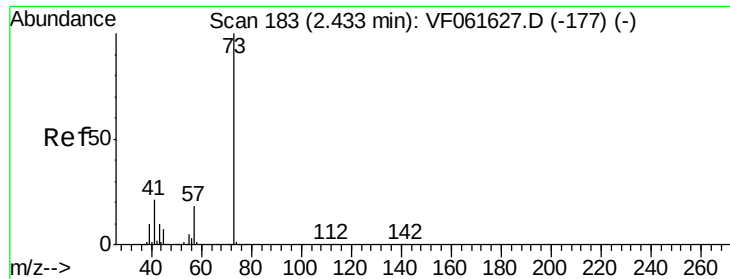
Tot Ion: 76 Resp: 459779
Ion Ratio Lower Upper
76 100
78 10.1 7.9 11.9



#18
Methyl Acetate
Concen: 42.695 ug/l
RT: 2.34 min Scan# 174
Delta R.T. -0.01 min
Lab File: VF061723.D
Acq: 25 Feb 2019 11:19

Tgt Ion: 43 Resp: 53916
Ion Ratio Lower Upper
43 100
74 20.2 14.6 21.8

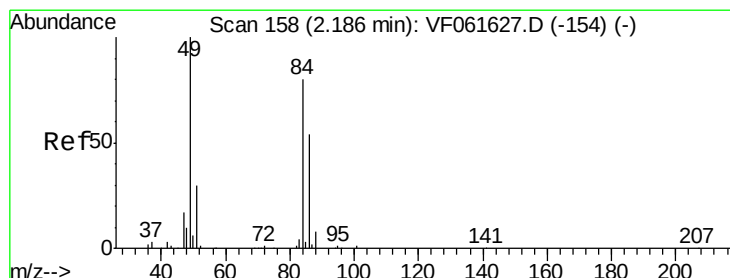
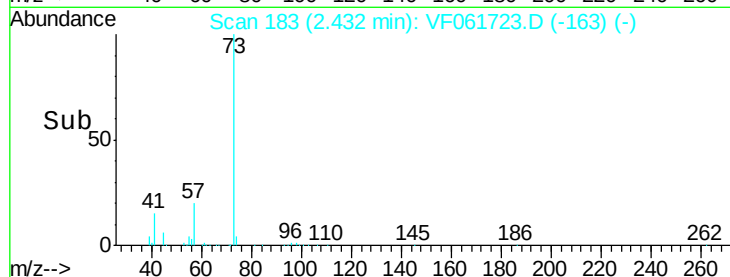
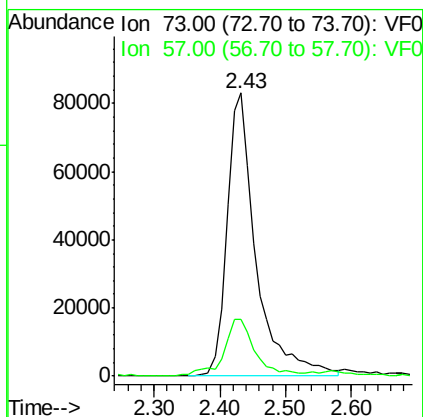
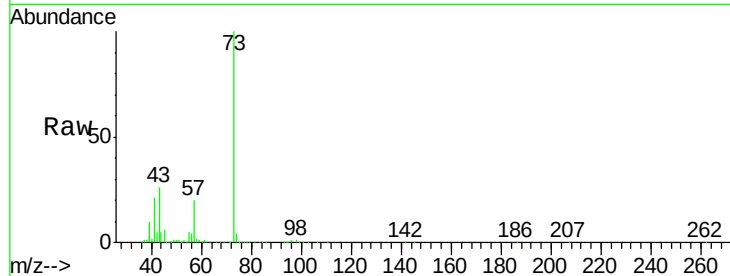




#19
Methyl tert-butyl Ether
Concen: 48.994 ug/l
RT: 2.43 min Scan# 183
Delta R.T. -0.00 min
Lab File: VF061723.D
Acq: 25 Feb 2019 11:19

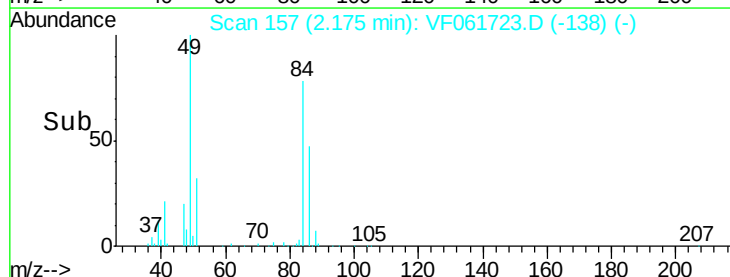
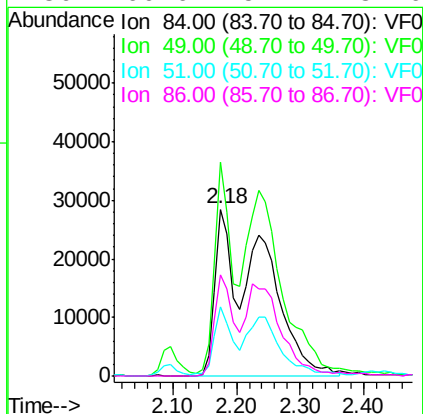
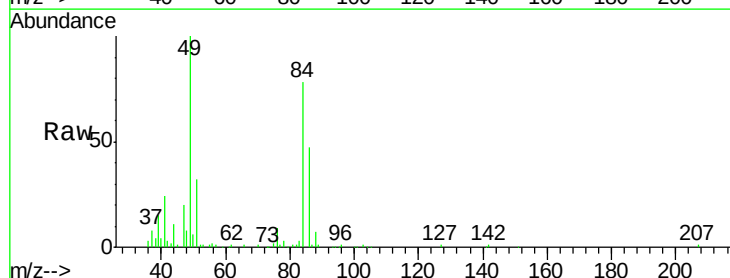
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

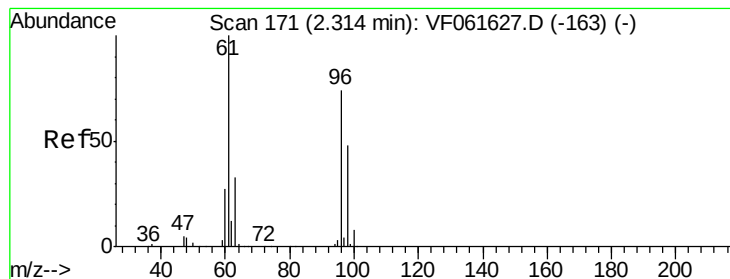
Tot Ion: 73 Resp: 255639
Ion Ratio Lower Upper
73 100
57 20.1 15.8 23.8



#20
Methylene Chloride
Concen: 49.058 ug/l m
RT: 2.18 min Scan# 157
Delta R.T. -0.01 min
Lab File: VF061723.D
Acq: 25 Feb 2019 11:19

Tgt Ion: 84 Resp: 147504
Ion Ratio Lower Upper
84 100
49 127.9 101.8 152.8
51 41.1 31.1 46.7
86 60.6 54.4 81.6





#21

trans-1,2-Dichloroethene

Concen: 46.291 ug/l

RT: 2.30 min Scan# 170

Delta R.T. -0.01 min

Lab File: VF061723.D

Acq: 25 Feb 2019 11:19

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

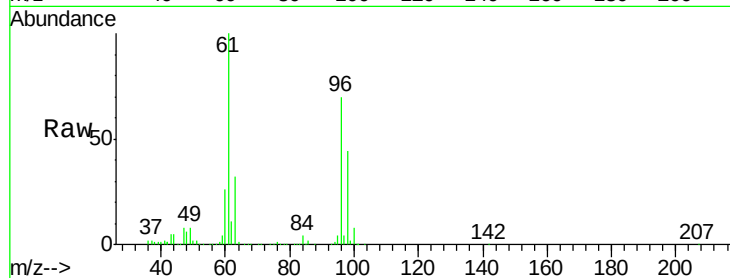
Tot Ion: 96 Resp: 153636

Ion Ratio Lower Upper

96 100

61 142.6 108.2 162.4

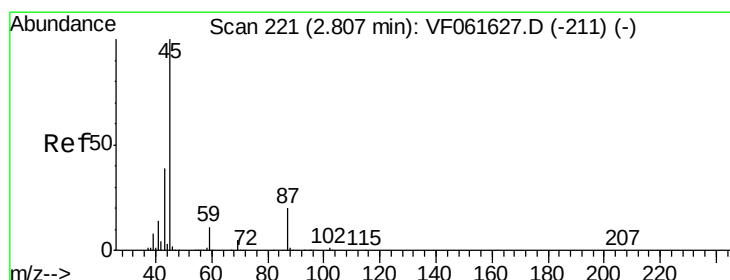
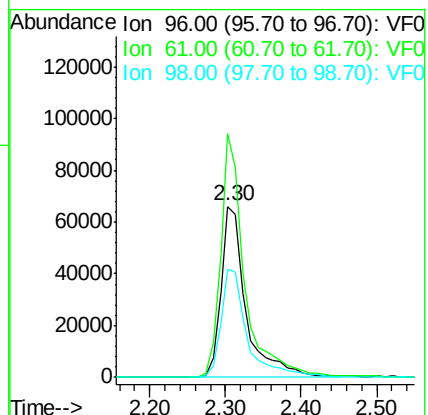
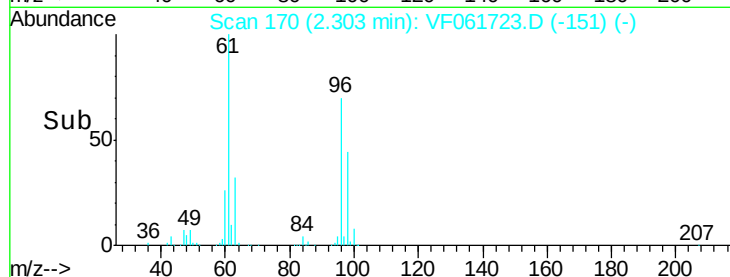
98 63.3 52.2 78.2



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#22

Diisopropyl ether

Concen: 49.867 ug/l

RT: 2.80 min Scan# 220

Delta R.T. -0.01 min

Lab File: VF061723.D

Acq: 25 Feb 2019 11:19

Tgt Ion: 45 Resp: 448453

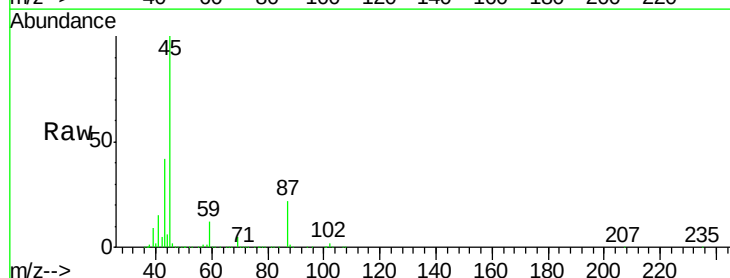
Ion Ratio Lower Upper

45 100

43 41.7 31.4 47.2

87 21.7 16.3 24.5

59 11.5 8.7 13.1

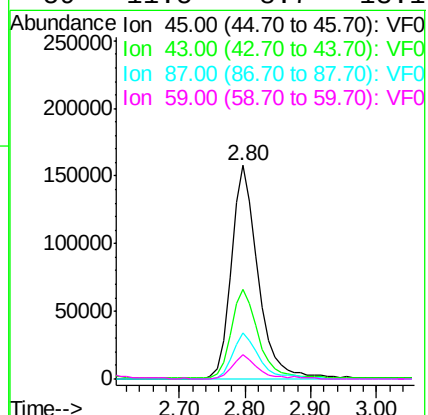
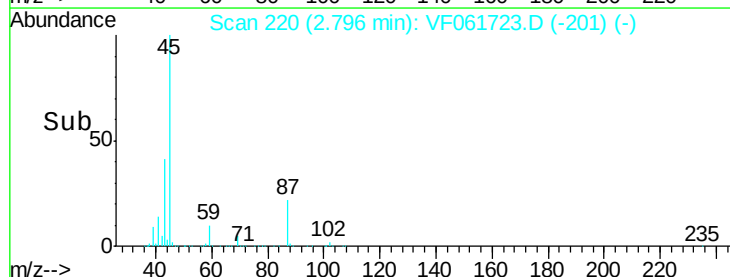


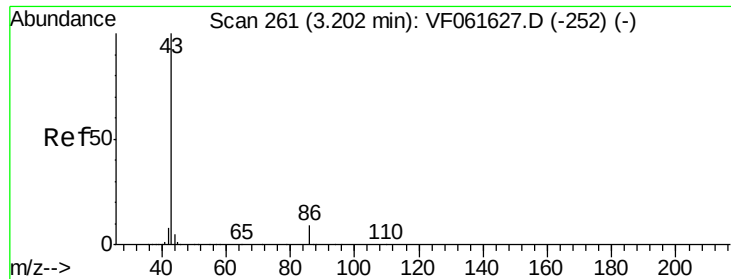
Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 215.539 ug/l

RT: 3.18 min Scan# 259

Delta R.T. -0.02 min

Lab File: VF061723.D

Acq: 25 Feb 2019 11:19

Instrument :

MSVOA_F

ClientSampleId :

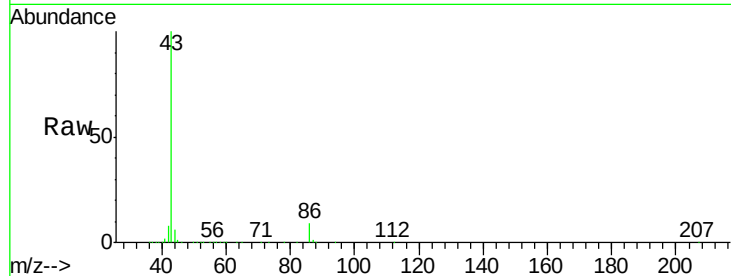
VSTDCCC050

Tot Ion: 43 Resp: 946739

Ion Ratio Lower Upper

43 100

86 8.7 7.5 11.3



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.18

400000

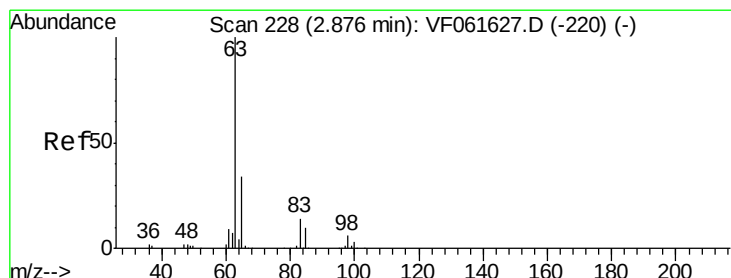
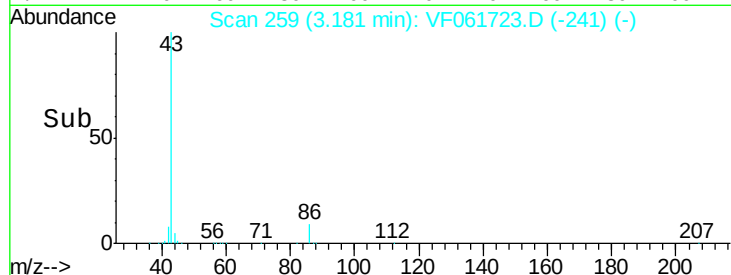
300000

200000

100000

0

Time--> 3.00 3.10 3.20 3.30 3.40



#24

1,1-Dichloroethane

Concen: 48.339 ug/l

RT: 2.87 min Scan# 227

Delta R.T. -0.01 min

Lab File: VF061723.D

Acq: 25 Feb 2019 11:19

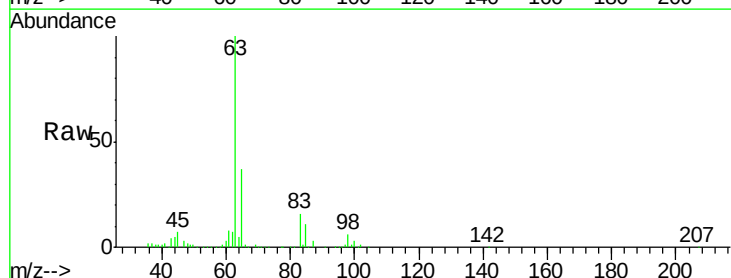
Tgt Ion: 63 Resp: 263072

Ion Ratio Lower Upper

63 100

98 5.6 2.8 8.3

100 3.0 1.8 5.4



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

2.87

120000

100000

80000

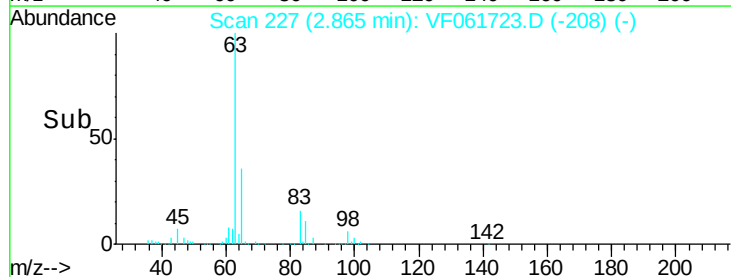
60000

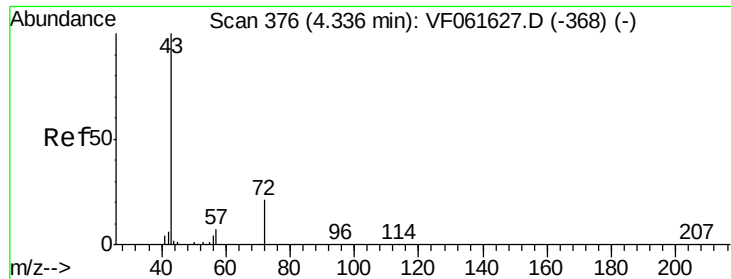
40000

20000

0

Time--> 2.70 2.80 2.90 3.00 3.10





#25

2-Butanone

Concen: 244.305 ug/l

RT: 4.32 min Scan# 375

Delta R.T. -0.01 min

Lab File: VF061723.D

Acq: 25 Feb 2019 11:19

Instrument :

MSVOA_F

ClientSampleId :

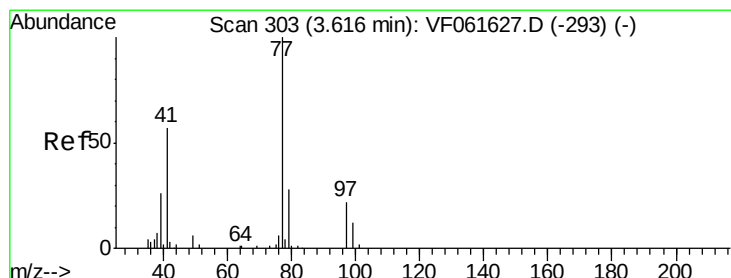
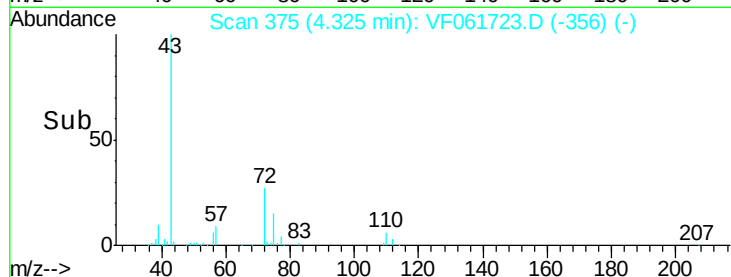
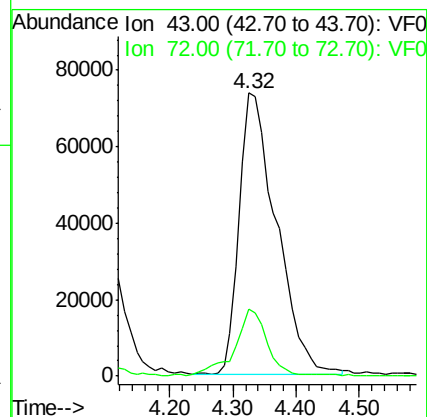
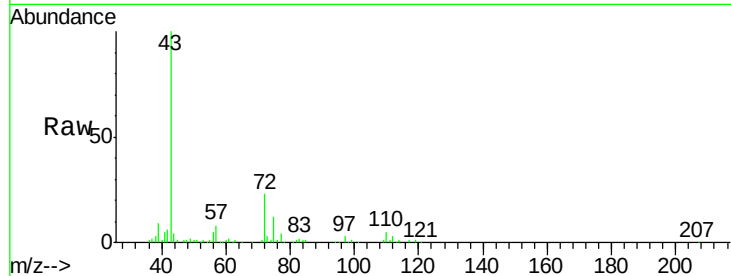
VSTDCCC050

Tot Ion: 43 Resp: 299143

Ion Ratio Lower Upper

43 100

72 23.5 17.1 25.7



#26

2,2-Dichloropropane

Concen: 53.773 ug/l

RT: 3.60 min Scan# 301

Delta R.T. -0.02 min

Lab File: VF061723.D

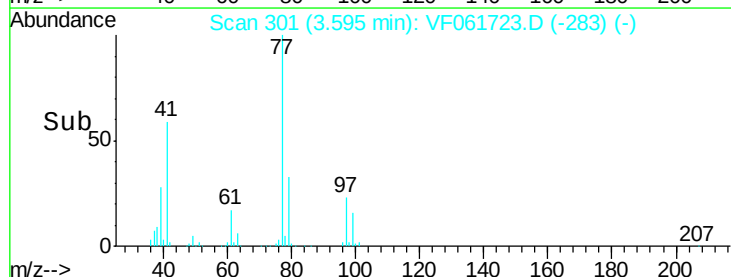
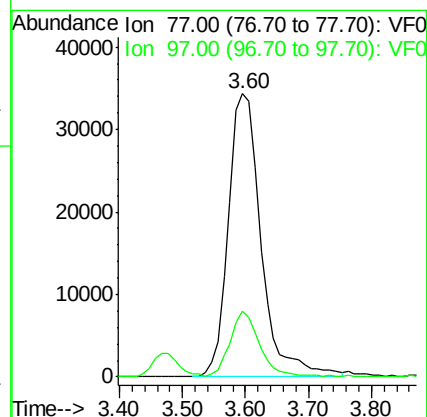
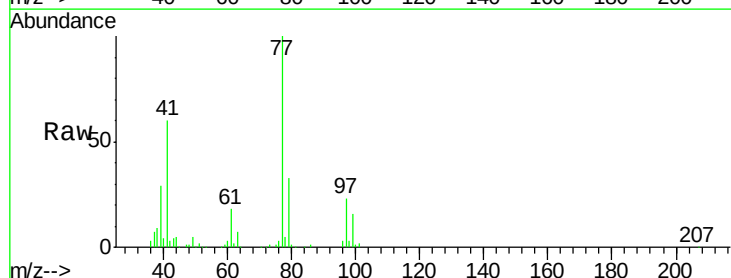
Acq: 25 Feb 2019 11:19

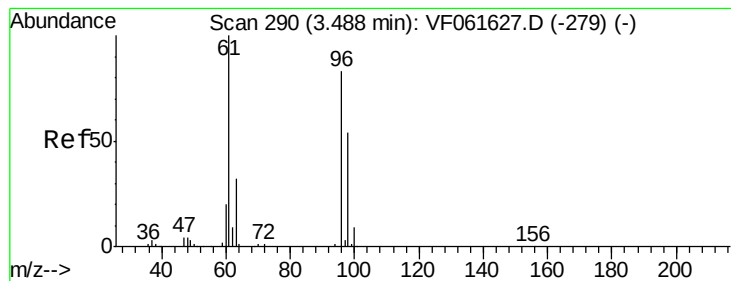
Tgt Ion: 77 Resp: 123958

Ion Ratio Lower Upper

77 100

97 23.4 11.7 35.0



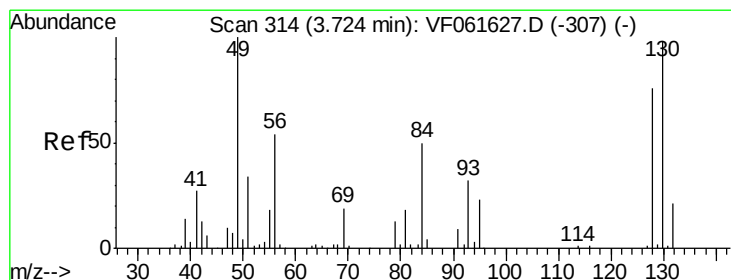
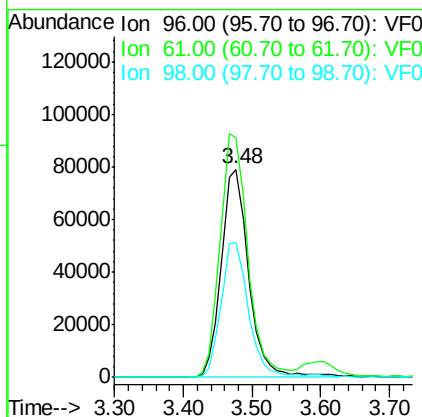
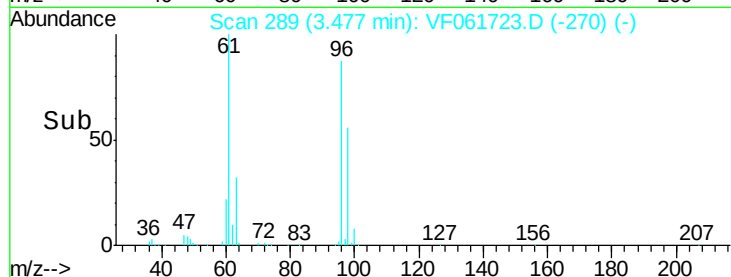
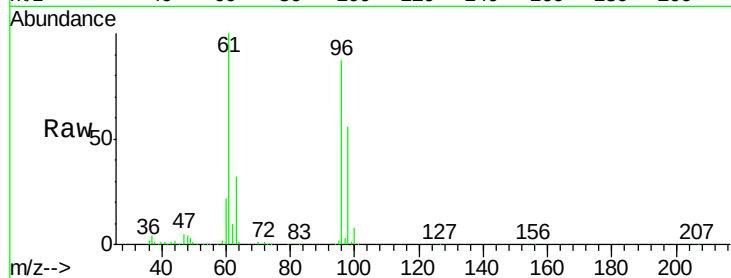


#27

cis-1,2-Dichloroethene
Concen: 50.413 ug/l
RT: 3.48 min Scan# 289
Delta R.T. -0.01 min
Lab File: VF061723.D
Acq: 25 Feb 2019 11:19

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

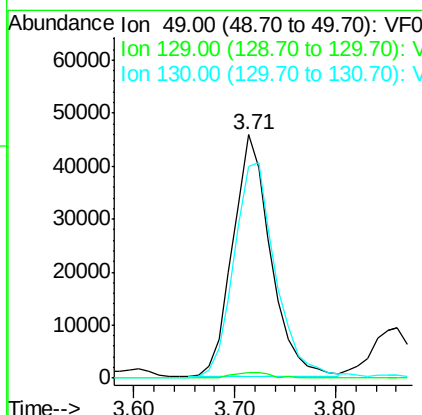
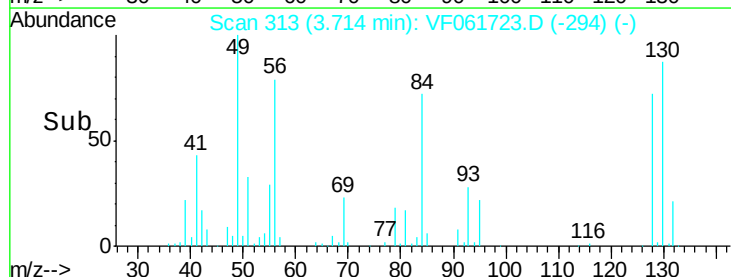
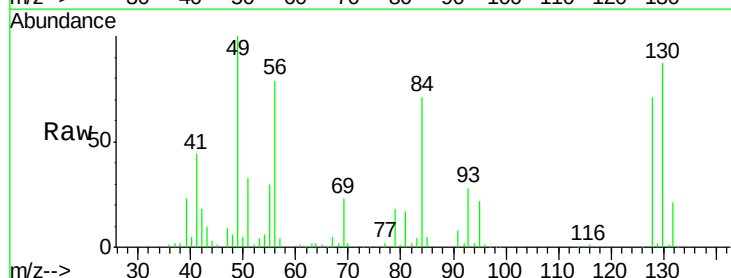
Tot Ion: 96 Resp: 219614
Ion Ratio Lower Upper
96 100
61 115.2 0.0 241.6
98 65.0 0.0 130.2

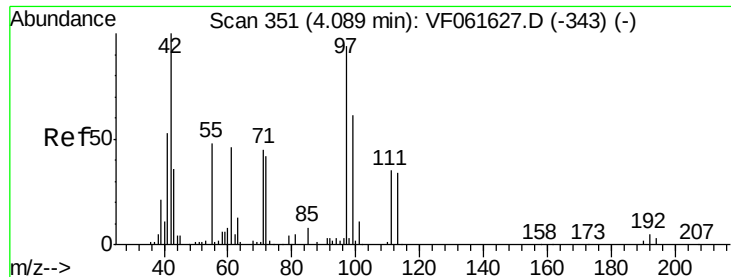


#28

Bromochloromethane
Concen: 45.970 ug/l
RT: 3.71 min Scan# 313
Delta R.T. -0.01 min
Lab File: VF061723.D
Acq: 25 Feb 2019 11:19

Tgt Ion: 49 Resp: 120038
Ion Ratio Lower Upper
49 100
129 2.2 0.0 3.4
130 87.1 77.7 116.5





#29

Tetrahydrofuran

Concen: 210.800 ug/l

RT: 4.07 min Scan# 349

Delta R.T. -0.02 min

Lab File: VF061723.D

Acq: 25 Feb 2019 11:19

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

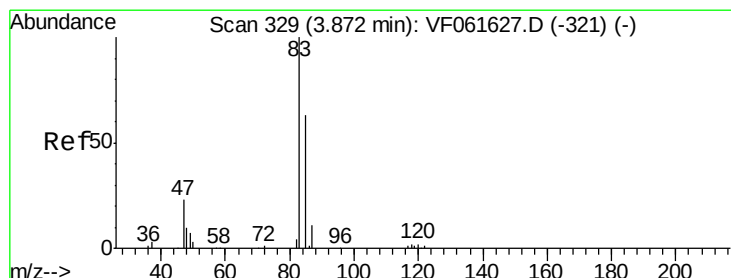
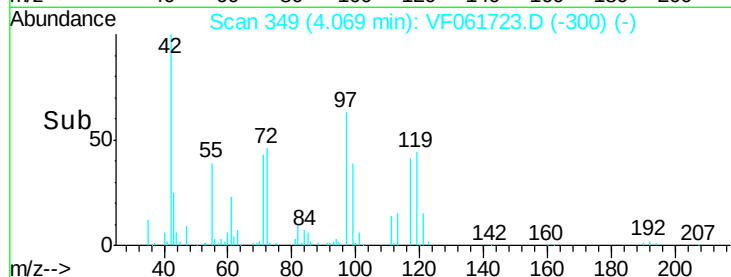
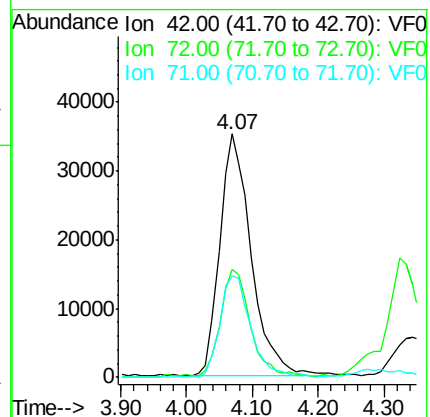
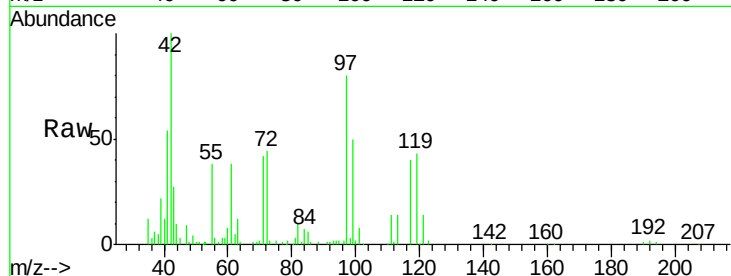
Tot Ion: 42 Resp: 117316

Ion Ratio Lower Upper

42 100

72 41.7 35.2 52.8

71 41.5 32.9 49.3



#30

Chloroform

Concen: 52.167 ug/l

RT: 3.86 min Scan# 328

Delta R.T. -0.01 min

Lab File: VF061723.D

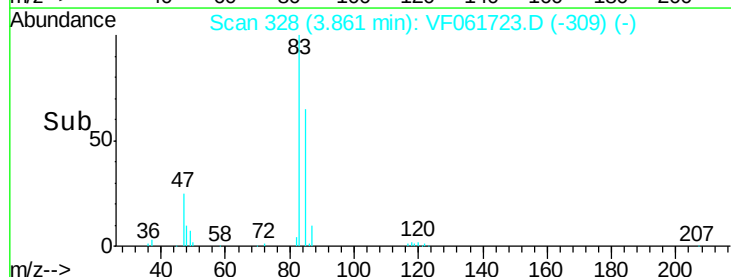
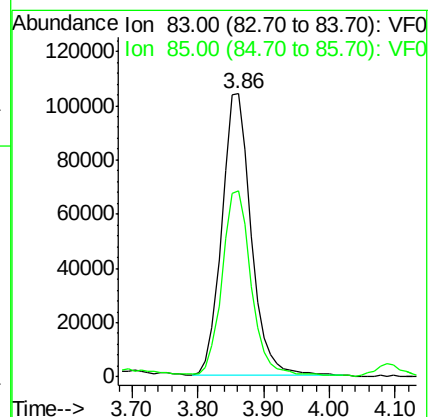
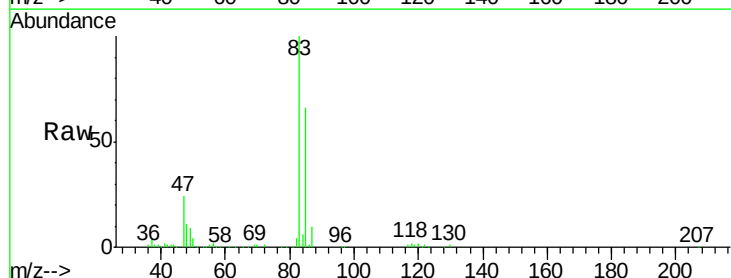
Acq: 25 Feb 2019 11:19

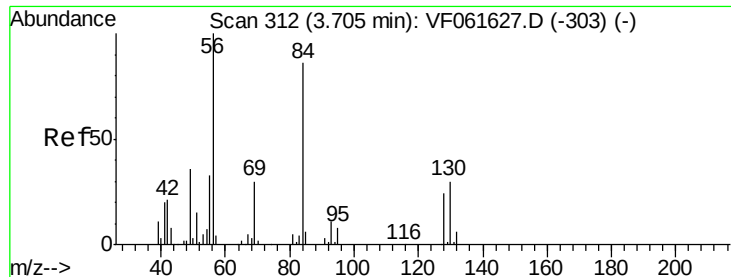
Tgt Ion: 83 Resp: 322865

Ion Ratio Lower Upper

83 100

85 65.6 51.1 76.7

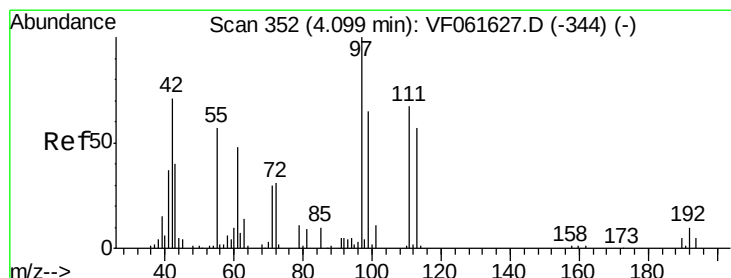
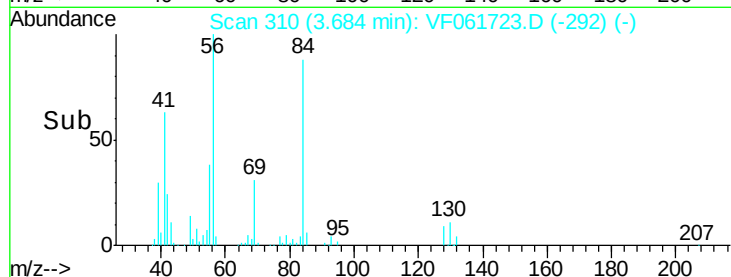
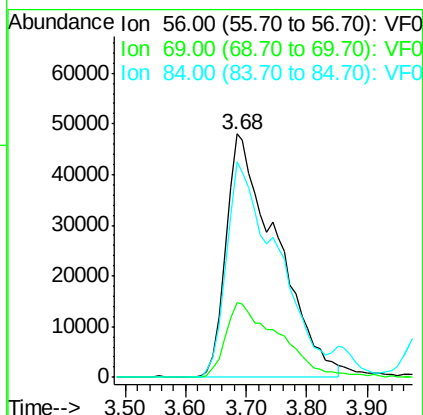
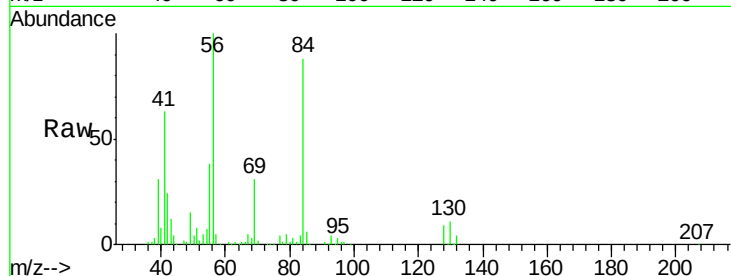




#31
Cyclohexane
Concen: 47.220 ug/l
RT: 3.68 min Scan# 310
Delta R.T. -0.02 min
Lab File: VF061723.D
Acq: 25 Feb 2019 11:19

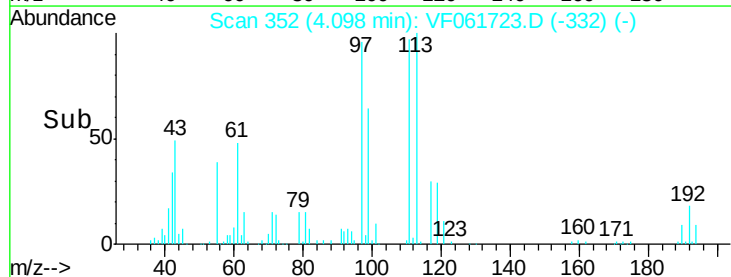
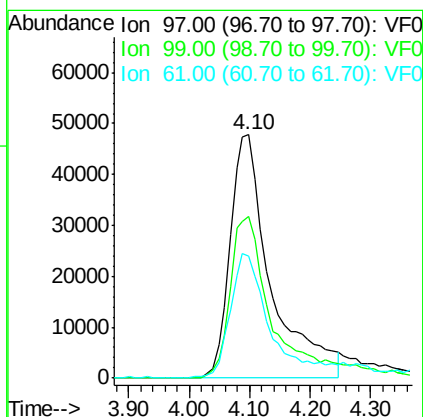
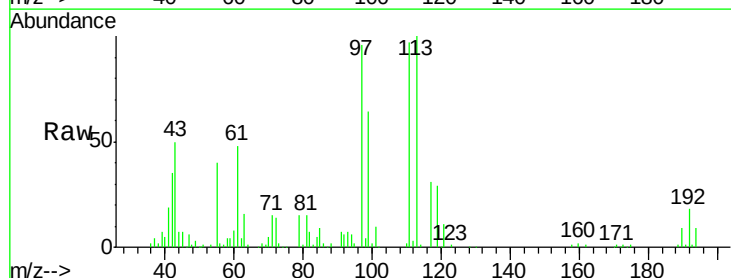
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

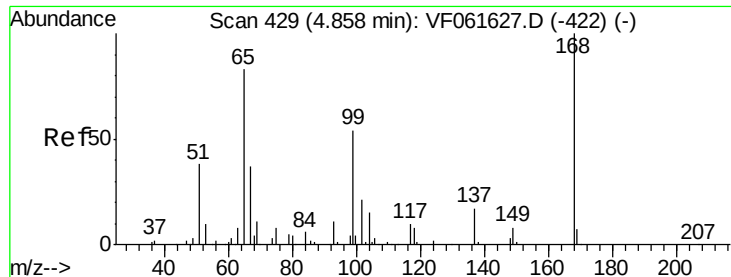
Tot Ion: 56 Resp: 278196
Ion Ratio Lower Upper
56 100
69 30.7 23.8 35.8
84 88.3 68.6 103.0



#32
1,1,1-Trichloroethane
Concen: 55.276 ug/l
RT: 4.10 min Scan# 352
Delta R.T. -0.00 min
Lab File: VF061723.D
Acq: 25 Feb 2019 11:19

Tgt Ion: 97 Resp: 224100
Ion Ratio Lower Upper
97 100
99 66.3 52.2 78.2
61 50.0 39.2 58.8

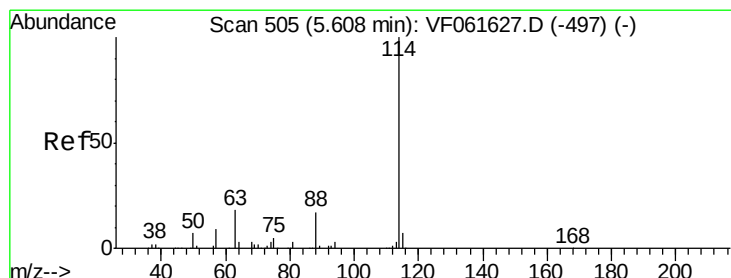
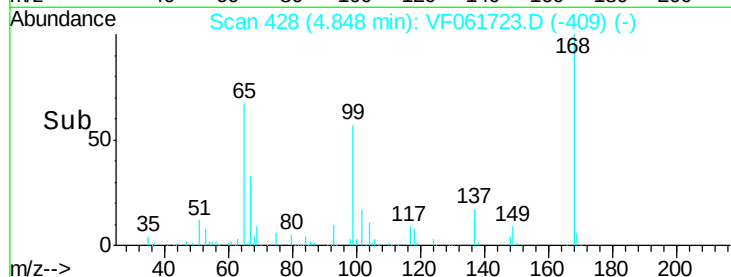
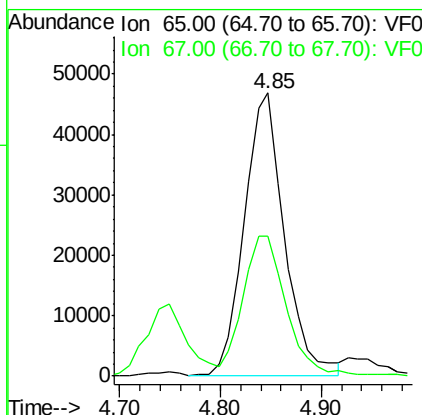
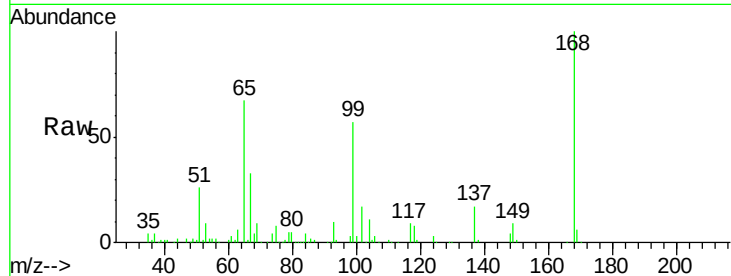




#33
 1,2-Dichloroethane-d4
 Concen: 49.385 ug/l
 RT: 4.85 min Scan# 428
 Delta R.T. -0.01 min
 Lab File: VF061723.D
 Acq: 25 Feb 2019 11:19

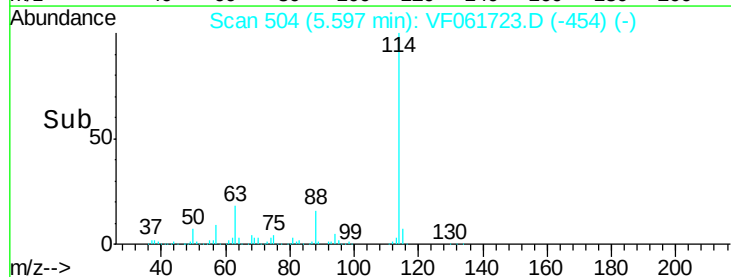
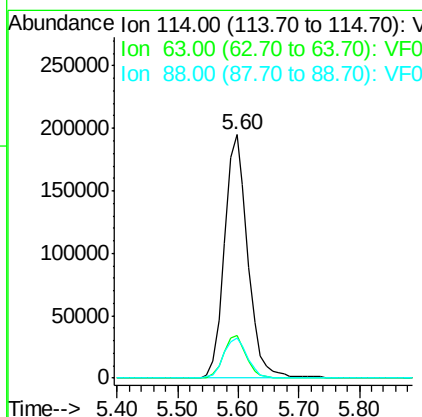
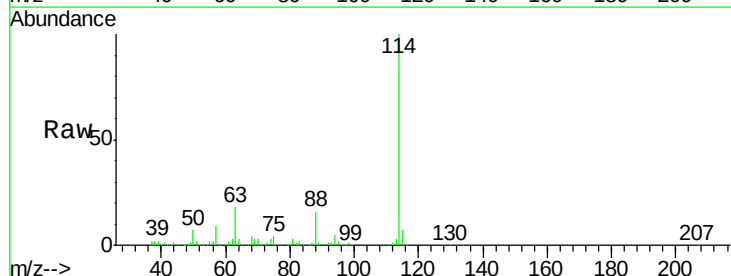
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

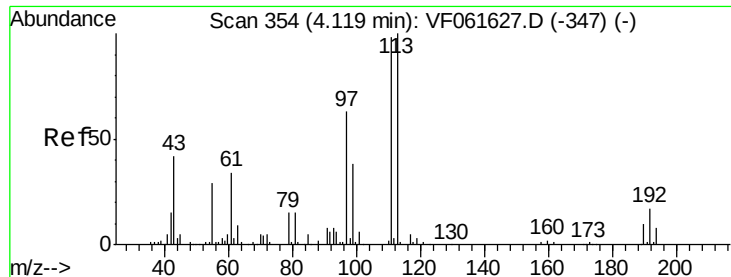
Tot Ion: 65 Resp: 129028
 Ion Ratio Lower Upper
 65 100
 67 49.4 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.60 min Scan# 504
 Delta R.T. -0.01 min
 Lab File: VF061723.D
 Acq: 25 Feb 2019 11:19

Tgt Ion: 114 Resp: 521404
 Ion Ratio Lower Upper
 114 100
 63 17.7 0.0 36.6
 88 16.4 0.0 34.4





#35

Dibromofluoromethane

Concen: 47.635 ug/l

RT: 4.11 min Scan# 353

Delta R.T. -0.01 min

Lab File: VF061723.D

Acq: 25 Feb 2019 11:19

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

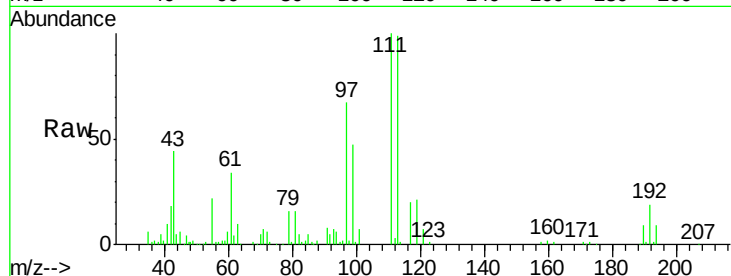
Tot Ion:113 Resp: 184443

Ion Ratio Lower Upper

113 100

111 101.4 78.8 118.2

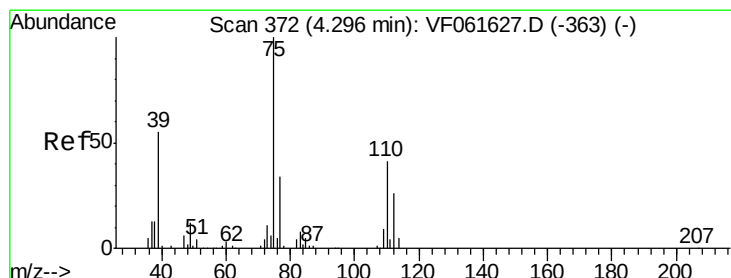
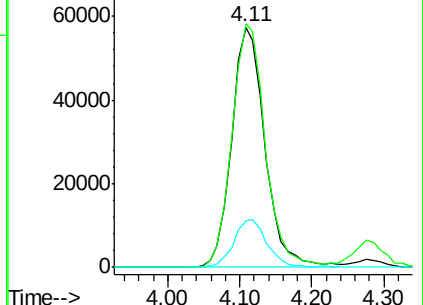
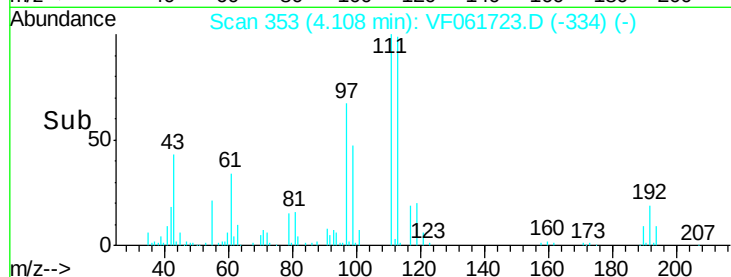
192 19.3 13.4 20.0



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 50.237 ug/l

RT: 4.28 min Scan# 370

Delta R.T. -0.02 min

Lab File: VF061723.D

Acq: 25 Feb 2019 11:19

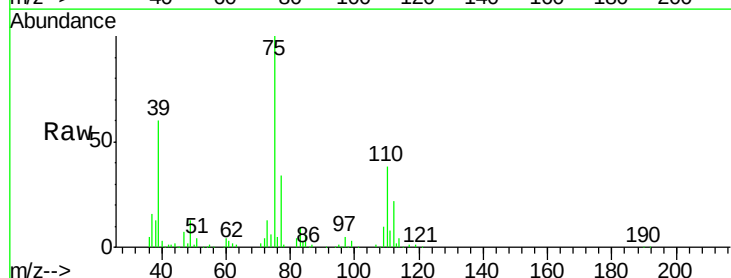
Tgt Ion: 75 Resp: 259482

Ion Ratio Lower Upper

75 100

110 37.7 20.5 61.6

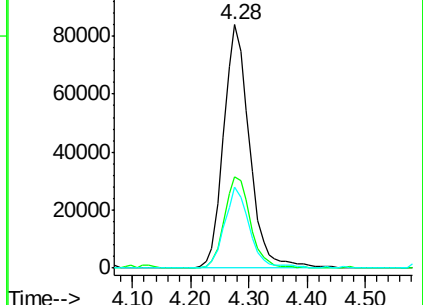
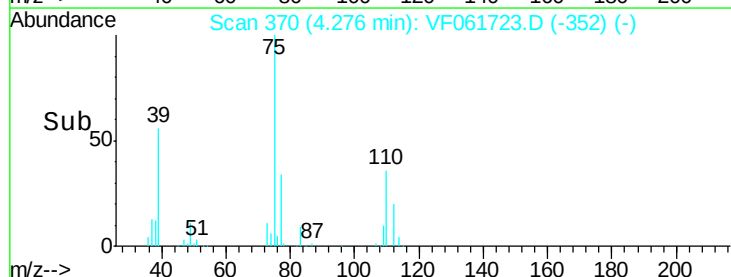
77 33.5 27.0 40.4

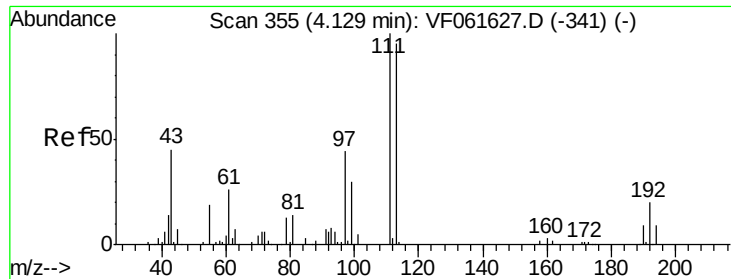


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0





#37

Ethyl Acetate

Concen: 42.199 ug/l

RT: 4.12 min Scan# 354

Delta R.T. -0.01 min

Lab File: VF061723.D

Acq: 25 Feb 2019 11:19

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

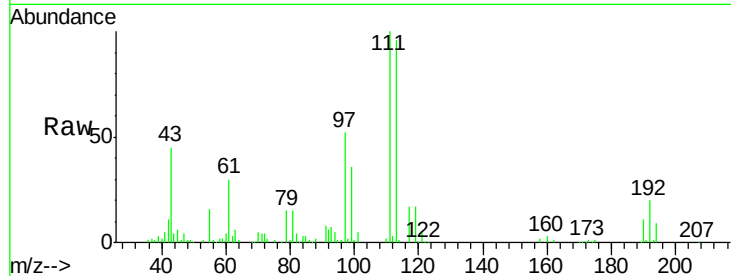
Tot Ion: 43 Resp: 101238

Ion Ratio Lower Upper

43 100

61 65.5 45.7 68.5

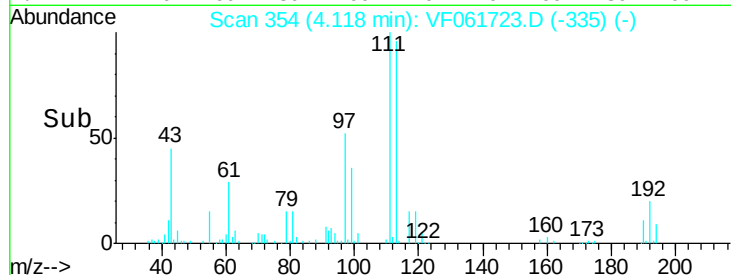
70 10.5 8.5 12.7



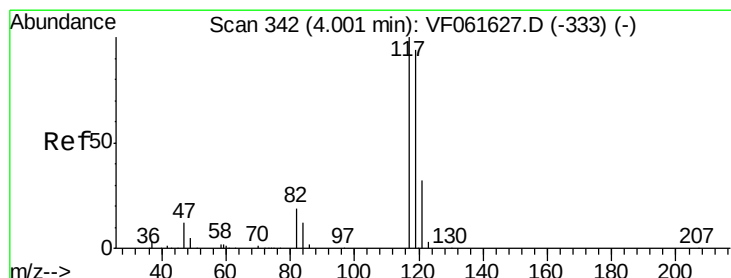
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0



Time-->



#38

Carbon Tetrachloride

Concen: 55.908 ug/l

RT: 3.99 min Scan# 341

Delta R.T. -0.01 min

Lab File: VF061723.D

Acq: 25 Feb 2019 11:19

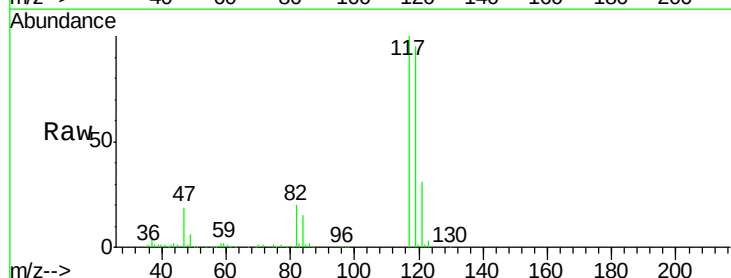
Tgt Ion: 117 Resp: 199402

Ion Ratio Lower Upper

117 100

119 95.2 75.6 113.4

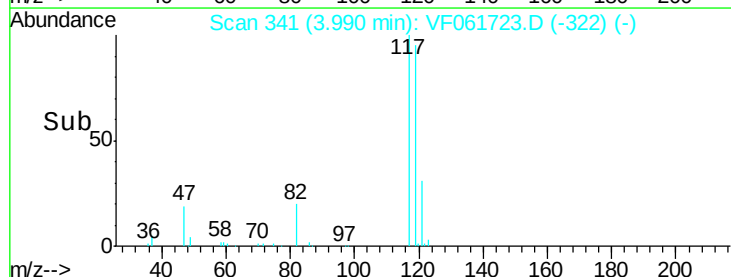
121 31.8 25.2 37.8



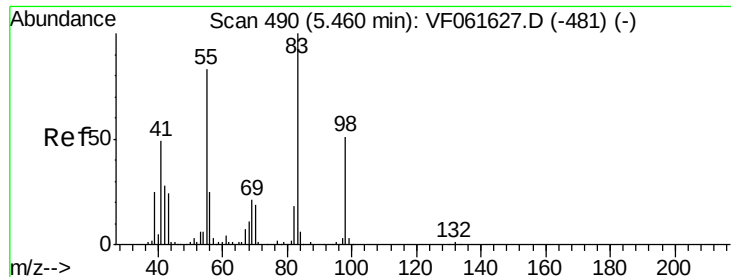
Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



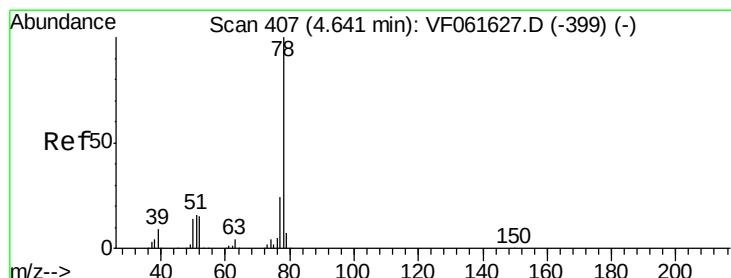
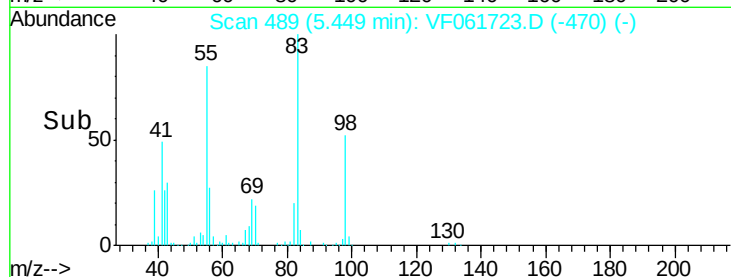
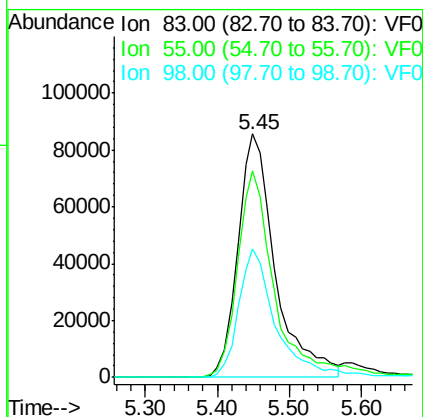
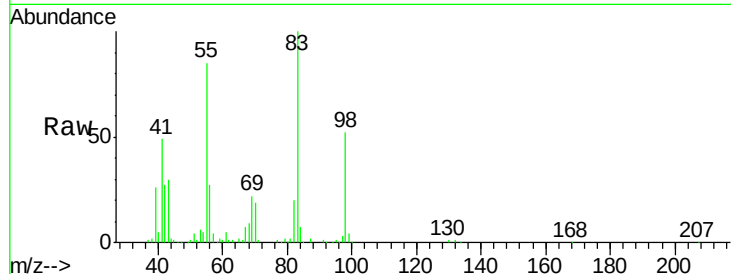
Time-->



#39
Methylvlcyclohexane
Concen: 50.758 ug/l
RT: 5.45 min Scan# 489
Delta R.T. -0.01 min
Lab File: VF061723.D
Acq: 25 Feb 2019 11:19

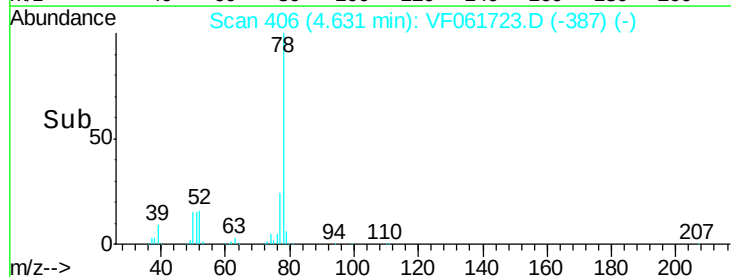
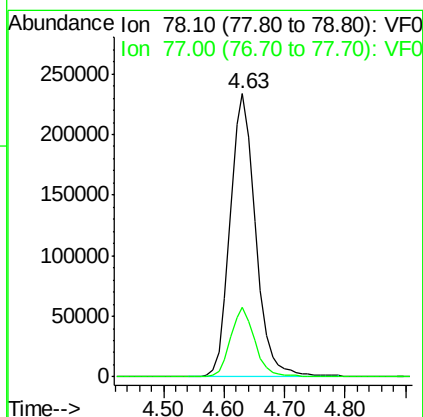
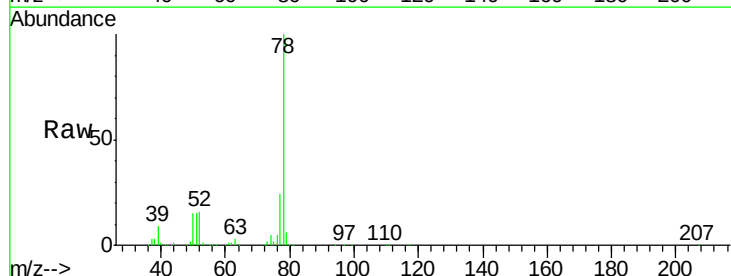
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

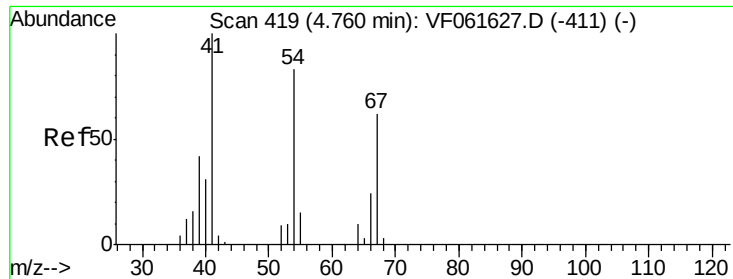
Tot Ion: 83 Resp: 310062
Ion Ratio Lower Upper
83 100
55 84.9 66.6 99.8
98 52.5 40.4 60.6



#40
Benzene
Concen: 50.744 ug/l
RT: 4.63 min Scan# 406
Delta R.T. -0.01 min
Lab File: VF061723.D
Acq: 25 Feb 2019 11:19

Tgt Ion: 78 Resp: 685566
Ion Ratio Lower Upper
78 100
77 24.5 19.0 28.6





#41

Methacrylonitrile

Concen: 45.223 ug/l

RT: 4.75 min Scan# 418

Delta R.T. -0.01 min

Lab File: VF061723.D

Acq: 25 Feb 2019 11:19

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 55484

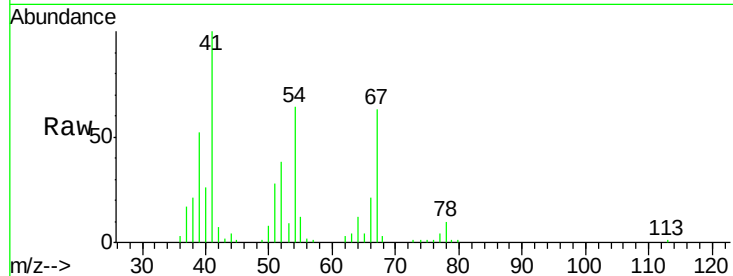
Ion Ratio Lower Upper

41 100

39 51.7 45.3 67.9

67 63.5 49.3 73.9

52 37.6 32.6 49.0

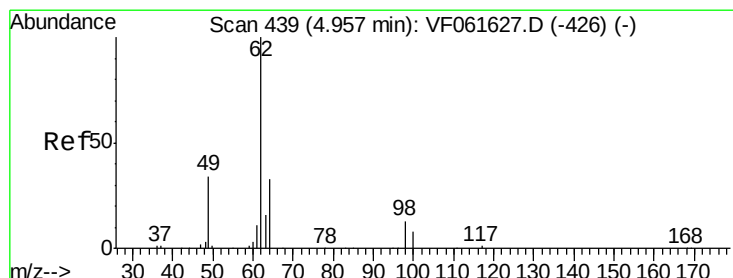
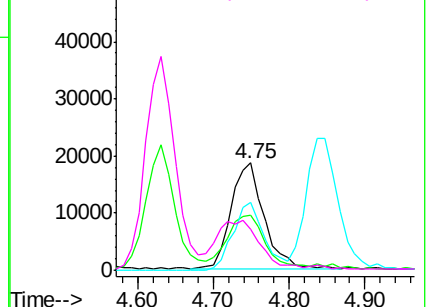
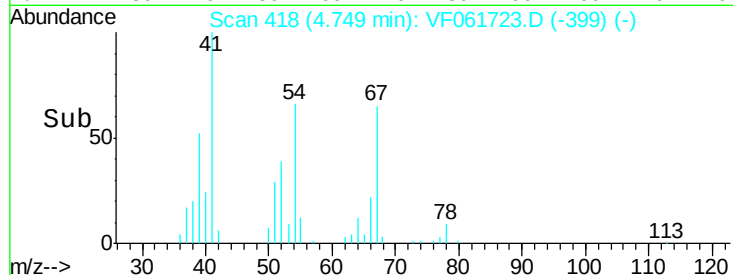


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 49.410 ug/l

RT: 4.94 min Scan# 437

Delta R.T. -0.02 min

Lab File: VF061723.D

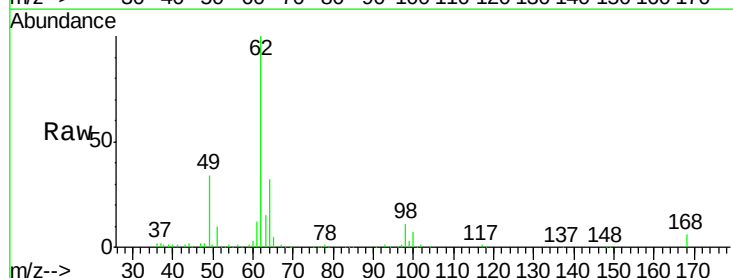
Acq: 25 Feb 2019 11:19

Tgt Ion: 62 Resp: 159678

Ion Ratio Lower Upper

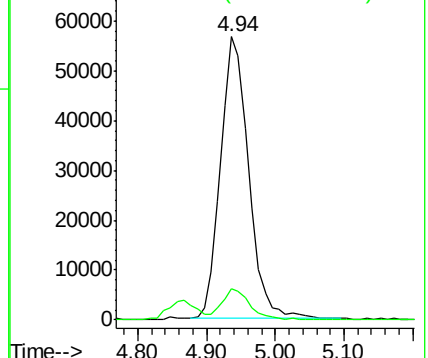
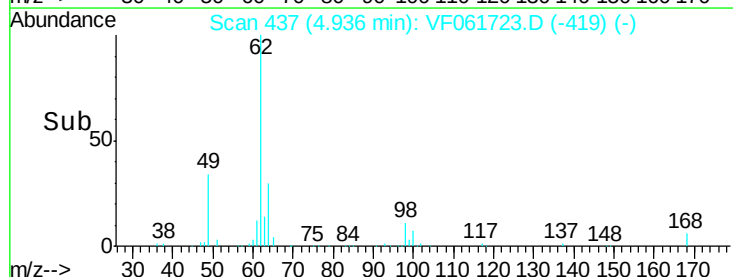
62 100

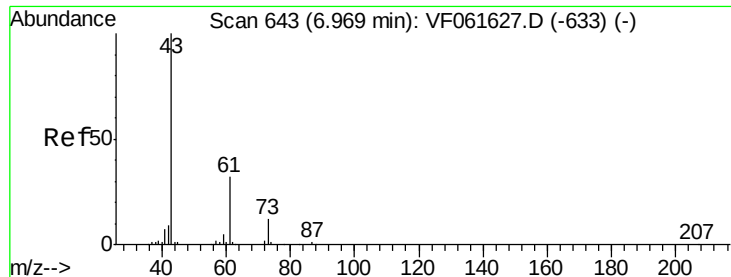
98 11.0 0.0 26.0



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 44.727 ug/l

RT: 6.96 min Scan# 642

Delta R.T. -0.01 min

Lab File: VF061723.D

Acq: 25 Feb 2019 11:19

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

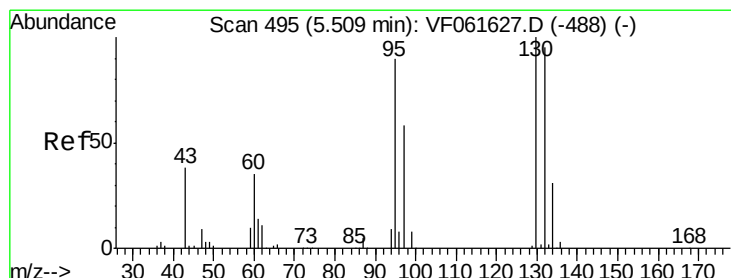
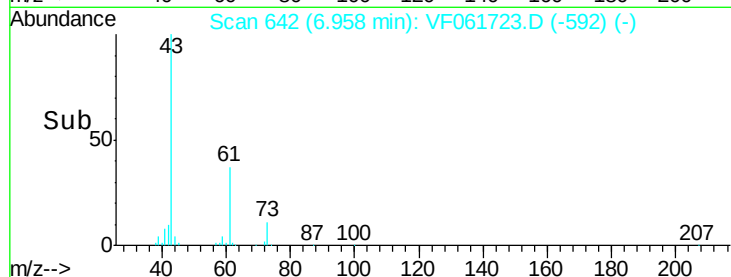
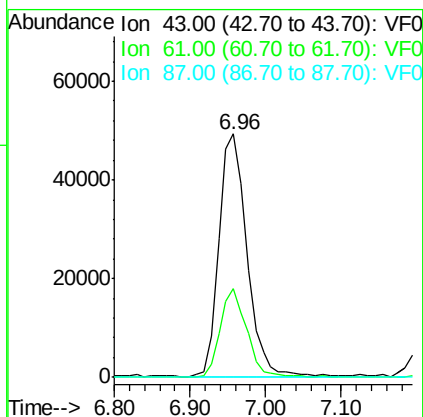
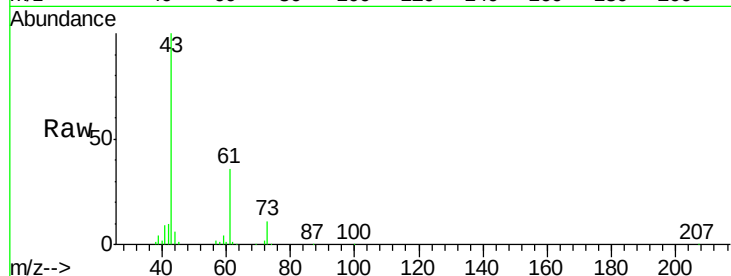
Tot Ion: 43 Resp: 127013

Ion Ratio Lower Upper

43 100

61 36.3 25.8 38.6

87 0.3 0.4 0.6#



#44

Trichloroethene

Concen: 50.587 ug/l

RT: 5.50 min Scan# 494

Delta R.T. -0.01 min

Lab File: VF061723.D

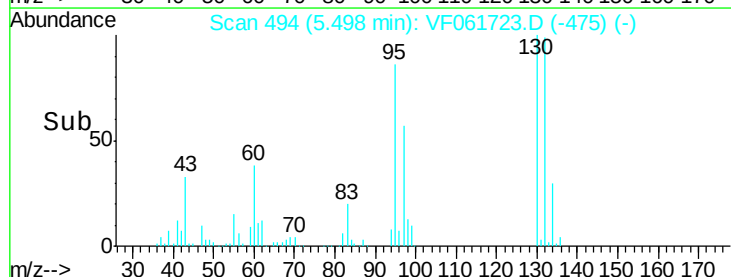
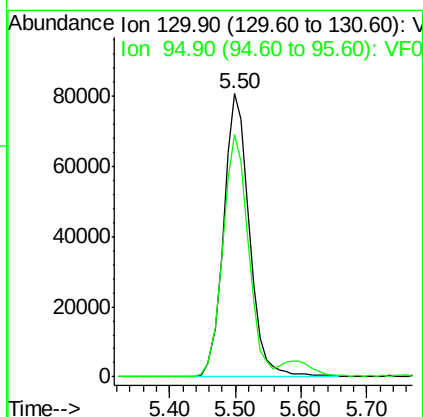
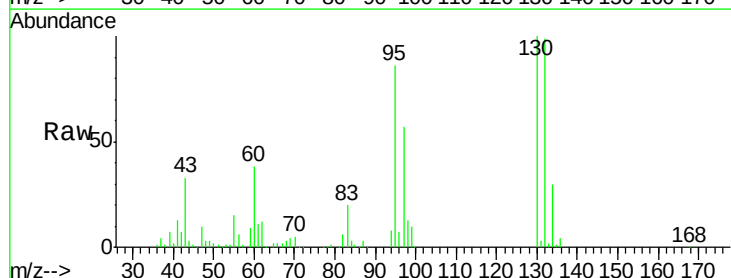
Acq: 25 Feb 2019 11:19

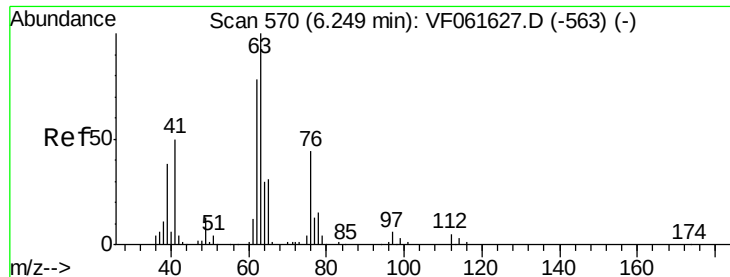
Tgt Ion:130 Resp: 221010

Ion Ratio Lower Upper

130 100

95 85.7 0.0 179.4





#45

1,2-Dichloropropane

Concen: 51.366 ug/l

RT: 6.23 min Scan# 568

Delta R.T. -0.02 min

Lab File: VF061723.D

Acq: 25 Feb 2019 11:19

Instrument :

MSVOA_F

ClientSampleId :

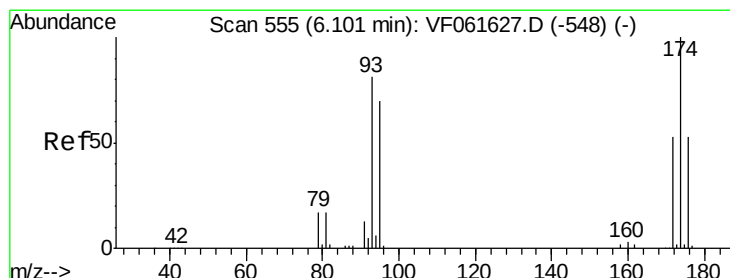
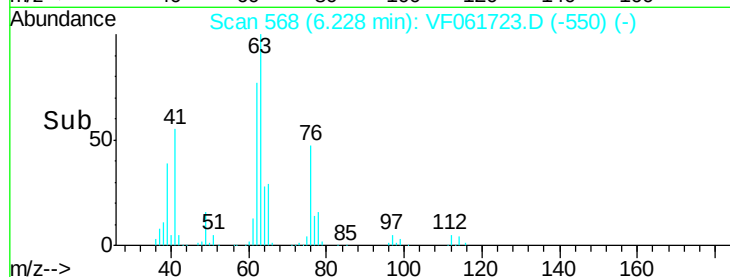
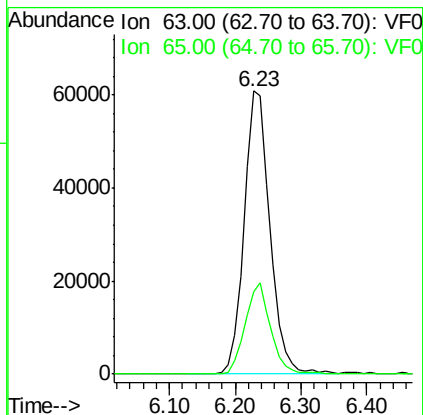
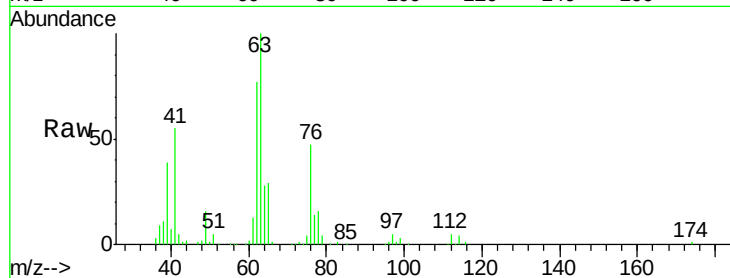
VSTDCCC050

Tot Ion: 63 Resp: 167745

Ion Ratio Lower Upper

63 100

65 29.1 24.9 37.3



#46

Dibromomethane

Concen: 50.667 ug/l

RT: 6.08 min Scan# 553

Delta R.T. -0.02 min

Lab File: VF061723.D

Acq: 25 Feb 2019 11:19

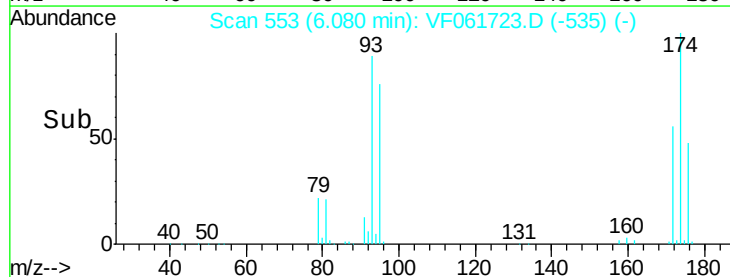
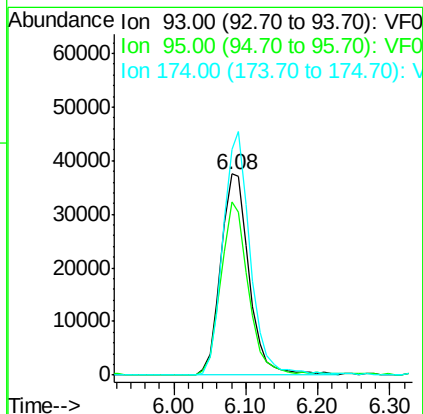
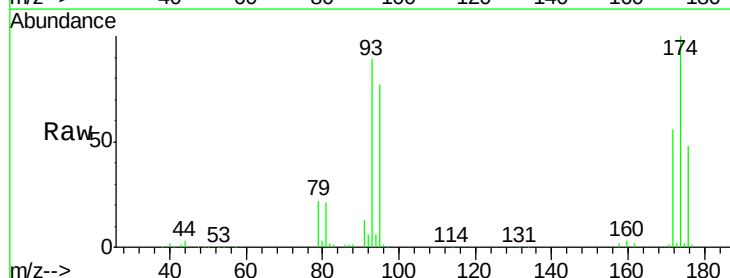
Tgt Ion: 93 Resp: 101876

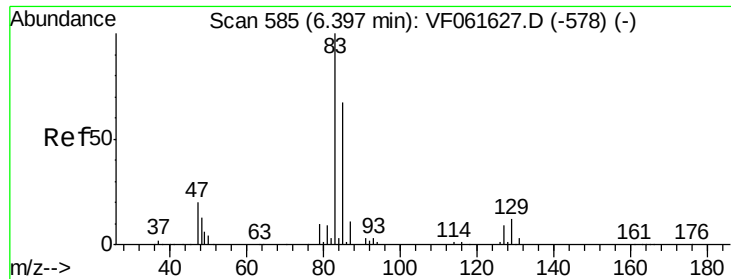
Ion Ratio Lower Upper

93 100

95 86.0 69.0 103.6

174 112.2 99.3 148.9





#47

Bromodichloromethane

Concen: 51.984 ug/l

RT: 6.39 min Scan# 584

Delta R.T. -0.01 min

Lab File: VF061723.D

Acq: 25 Feb 2019 11:19

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

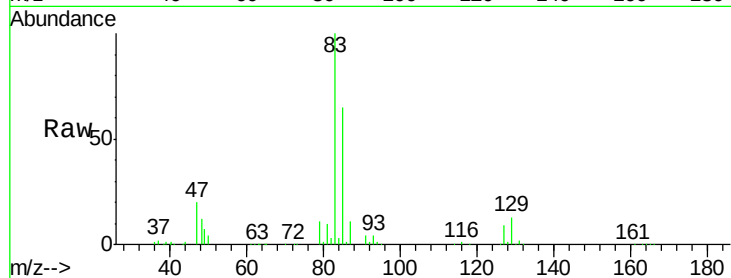
Tot Ion: 83 Resp: 228894

Ion Ratio Lower Upper

83 100

85 65.2 53.4 80.2

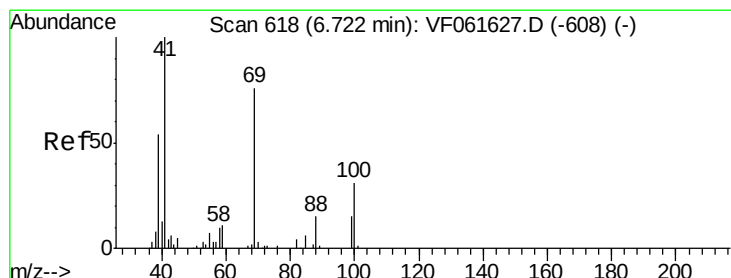
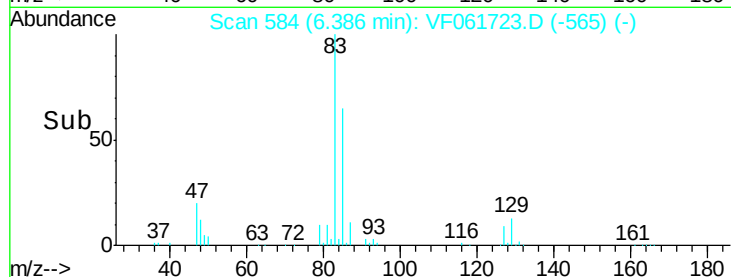
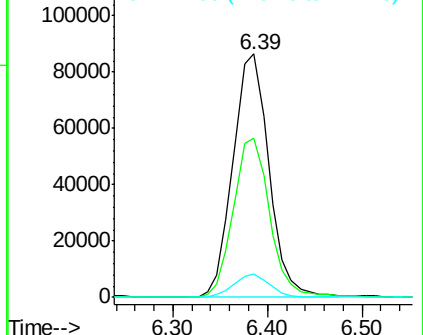
127 9.4 7.5 11.3



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 44.521 ug/l

RT: 6.71 min Scan# 617

Delta R.T. -0.01 min

Lab File: VF061723.D

Acq: 25 Feb 2019 11:19

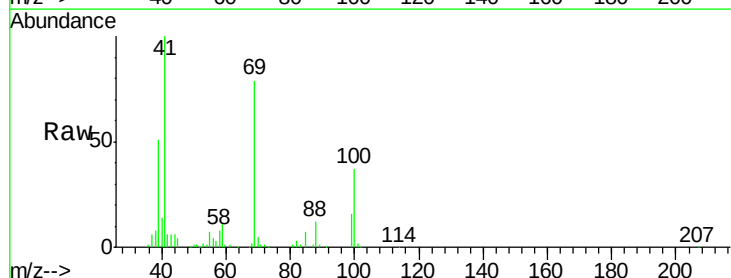
Tgt Ion: 41 Resp: 76084

Ion Ratio Lower Upper

41 100

69 79.3 60.4 90.6

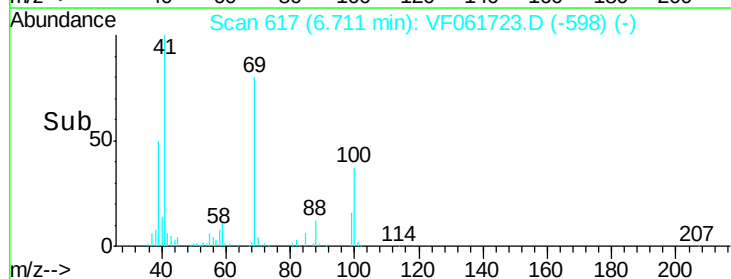
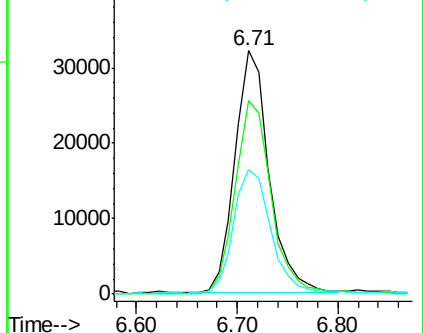
39 51.1 43.7 65.5

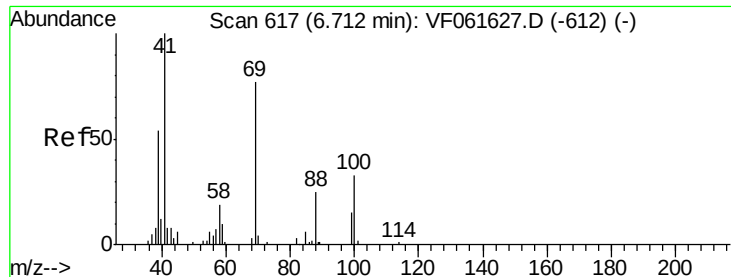


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

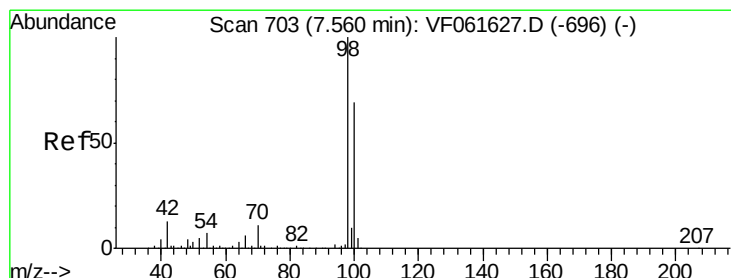
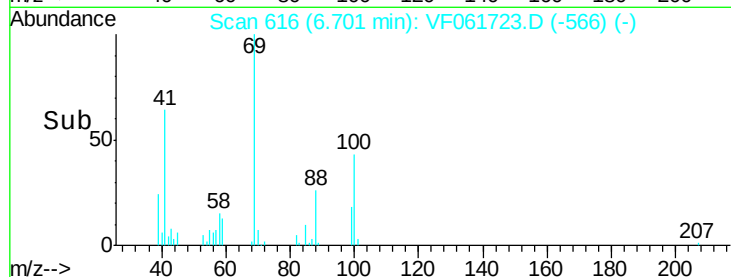
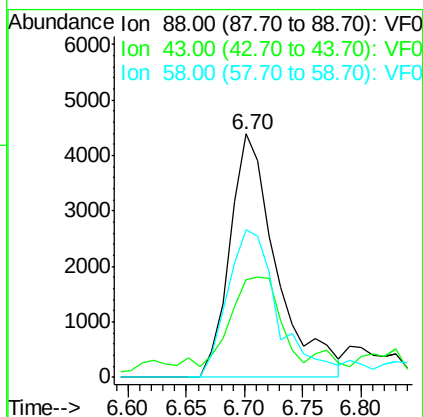
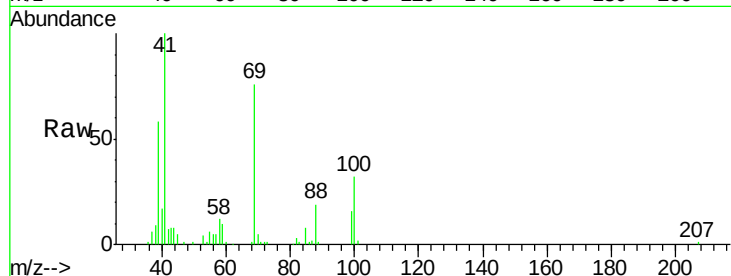




#49
1,4-Dioxane
Concen: 756.930 ug/l
RT: 6.70 min Scan# 616
Delta R.T. -0.01 min
Lab File: VF061723.D
Acq: 25 Feb 2019 11:19

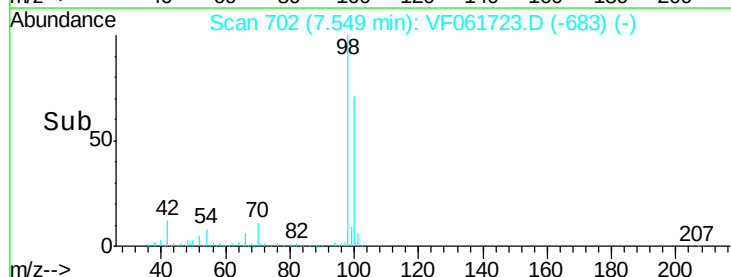
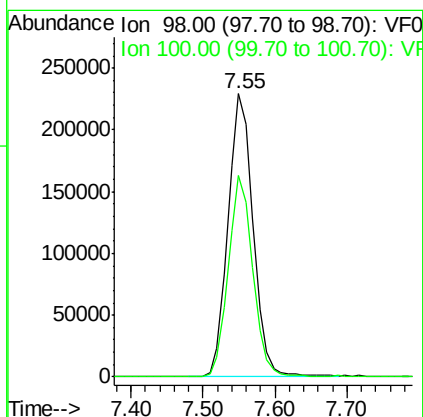
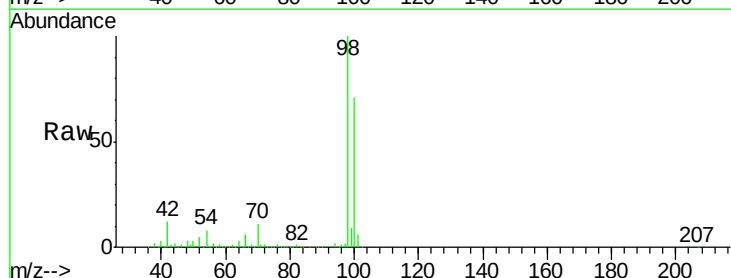
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

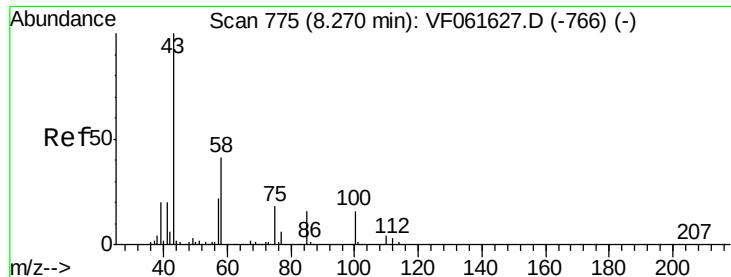
Tot Ion: 88 Resp: 12160
Ion Ratio Lower Upper
88 100
43 40.0 32.3 48.5
58 60.5 59.4 89.2



#50
Toluene-d8
Concen: 49.960 ug/l
RT: 7.55 min Scan# 702
Delta R.T. -0.01 min
Lab File: VF061723.D
Acq: 25 Feb 2019 11:19

Tgt Ion: 98 Resp: 556094
Ion Ratio Lower Upper
98 100
100 71.0 55.4 83.2





#51

4-Methyl-2-Pentanone

Concen: 213.257 ug/l

RT: 8.26 min Scan# 774

Delta R.T. -0.01 min

Lab File: VF061723.D

Acq: 25 Feb 2019 11:19

Instrument :

MSVOA_F

ClientSampleId :

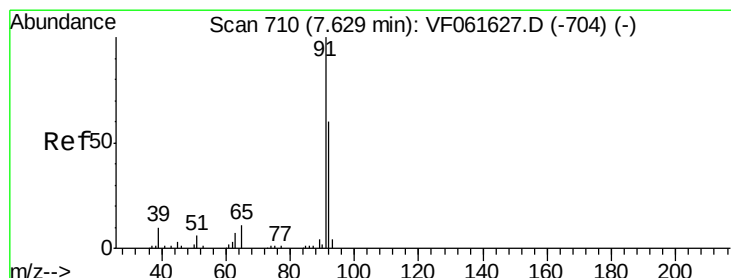
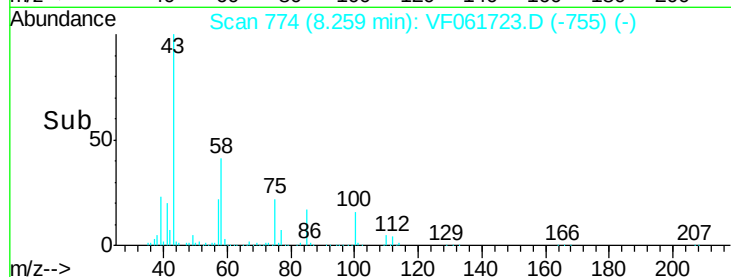
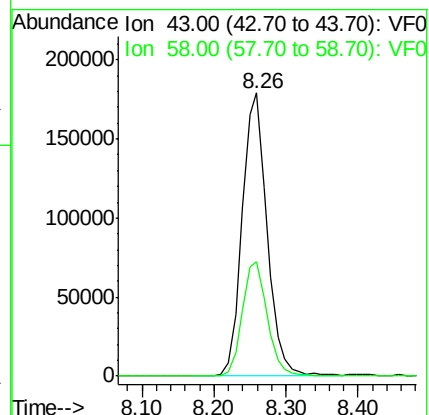
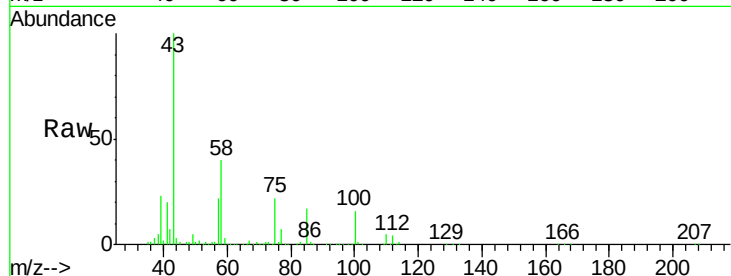
VSTDCCC050

Tot Ion: 43 Resp: 432720

Ion Ratio Lower Upper

43 100

58 40.5 33.1 49.7



#52

Toluene

Concen: 52.148 ug/l

RT: 7.62 min Scan# 709

Delta R.T. -0.01 min

Lab File: VF061723.D

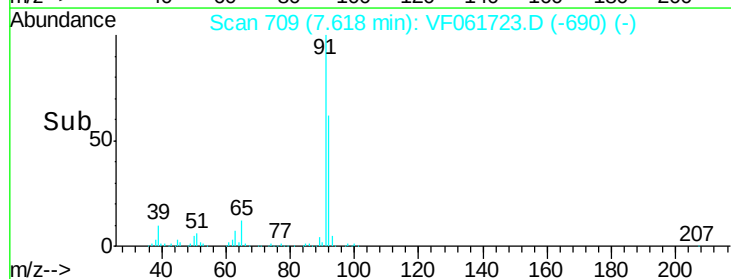
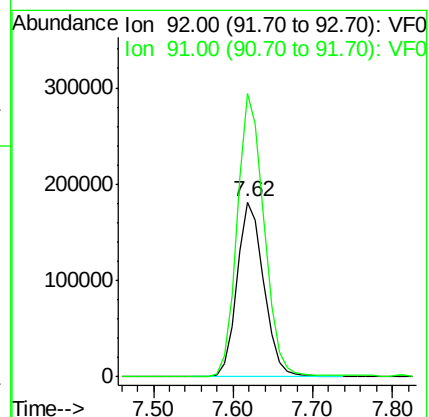
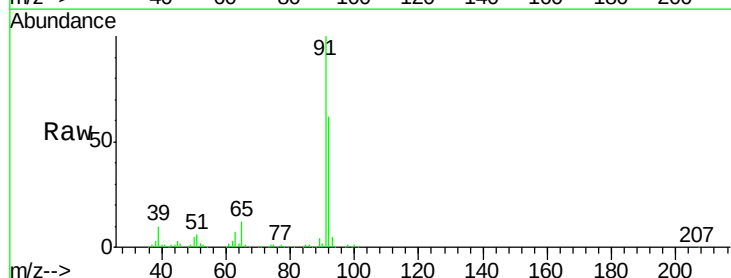
Acq: 25 Feb 2019 11:19

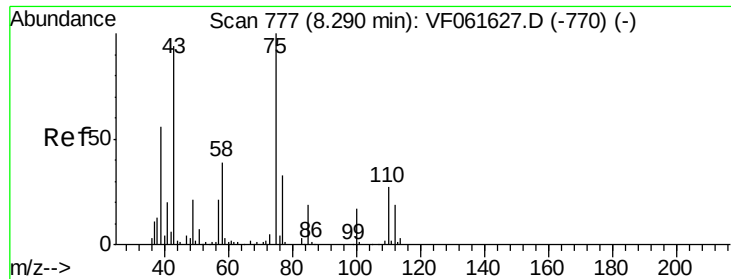
Tgt Ion: 92 Resp: 427286

Ion Ratio Lower Upper

92 100

91 161.6 133.9 200.9

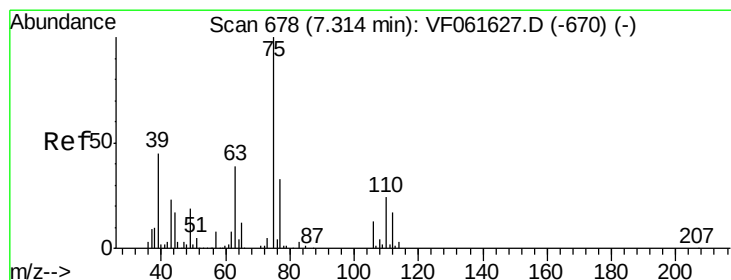
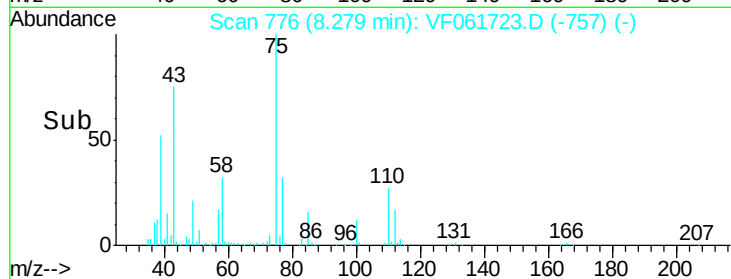
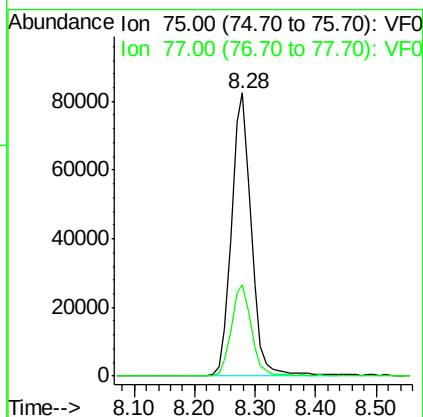
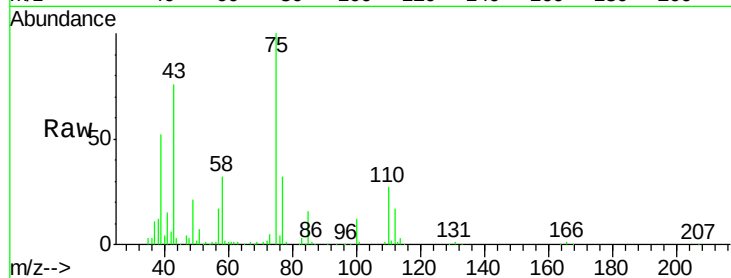




#53
 t-1,3-Dichloropropene
 Concen: 51.494 ug/l
 RT: 8.28 min Scan# 776
 Delta R.T. -0.01 min
 Lab File: VF061723.D
 Acq: 25 Feb 2019 11:19

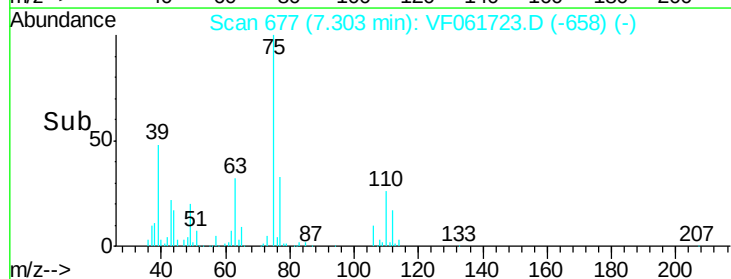
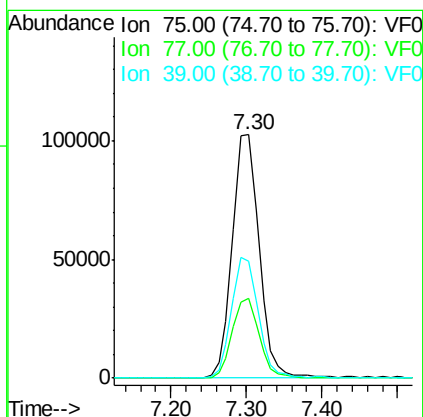
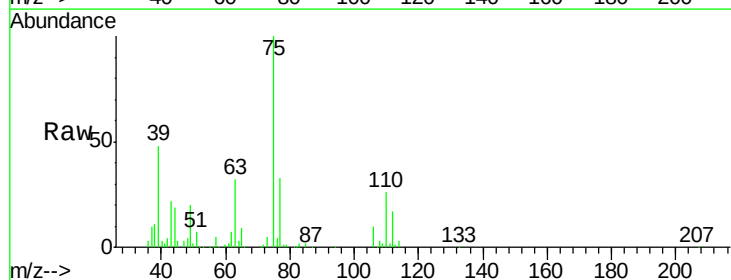
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

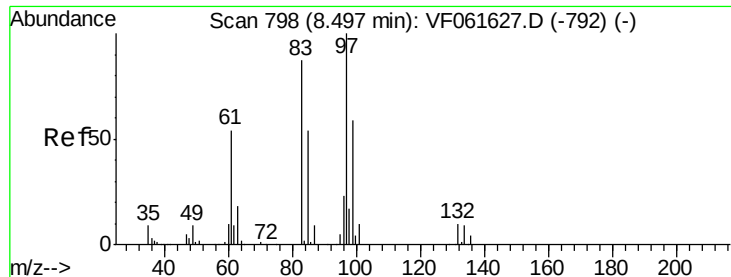
Tot Ion: 75 Resp: 188706
 Ion Ratio Lower Upper
 75 100
 77 32.4 26.2 39.2



#54
 cis-1,3-Dichloropropene
 Concen: 51.828 ug/l
 RT: 7.30 min Scan# 677
 Delta R.T. -0.01 min
 Lab File: VF061723.D
 Acq: 25 Feb 2019 11:19

Tgt Ion: 75 Resp: 252985
 Ion Ratio Lower Upper
 75 100
 77 33.0 26.4 39.6
 39 48.0 36.0 54.0





#55

1,1,2-Trichloroethane

Concen: 48.630 ug/l

RT: 8.49 min Scan# 797

Delta R.T. -0.01 min

Lab File: VF061723.D

Acq: 25 Feb 2019 11:19

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 117073

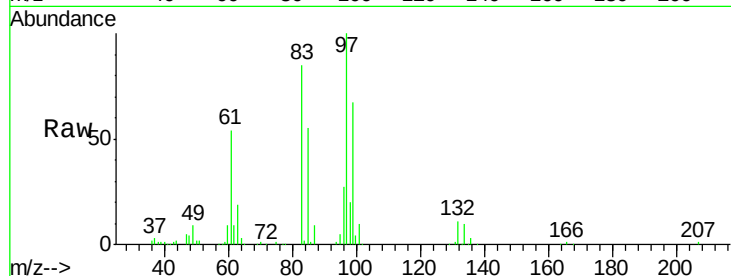
Ion Ratio Lower Upper

97 100

83 84.7 69.2 103.8

85 54.9 43.0 64.4

99 67.1 47.2 70.8

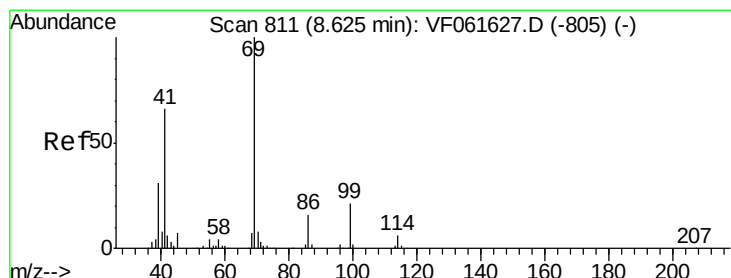
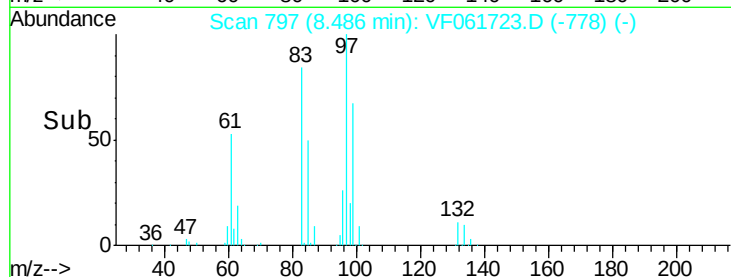
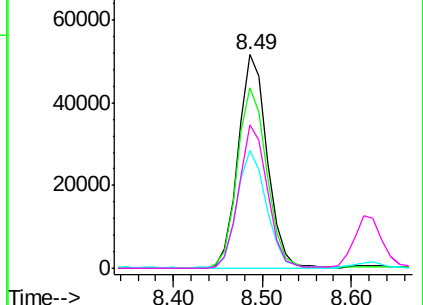


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 47.895 ug/l

RT: 8.61 min Scan# 810

Delta R.T. -0.01 min

Lab File: VF061723.D

Acq: 25 Feb 2019 11:19

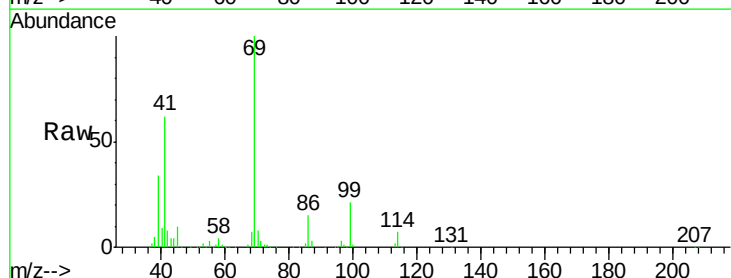
Tgt Ion: 69 Resp: 128372

Ion Ratio Lower Upper

69 100

41 62.1 52.9 79.3

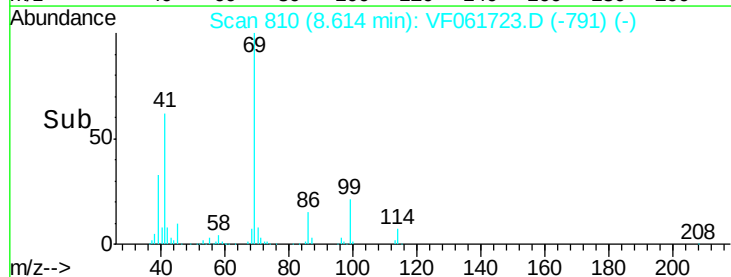
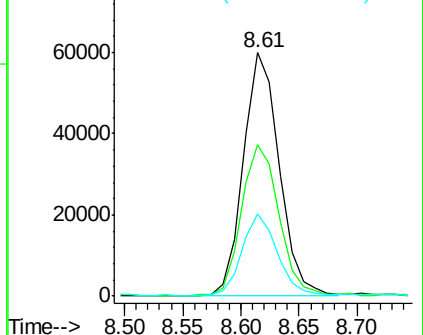
39 33.9 24.5 36.7

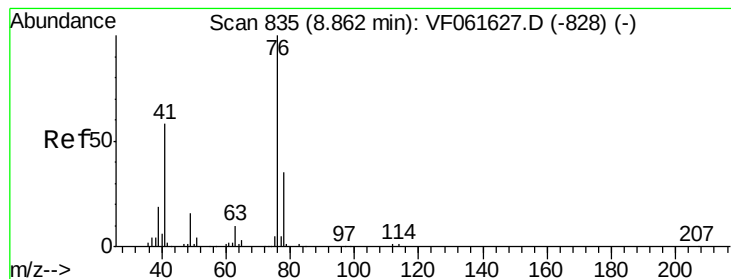


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 51.442 ug/l

RT: 8.85 min Scan# 834

Delta R.T. -0.01 min

Lab File: VF061723.D

Acq: 25 Feb 2019 11:19

Instrument :

MSVOA_F

ClientSampleId :

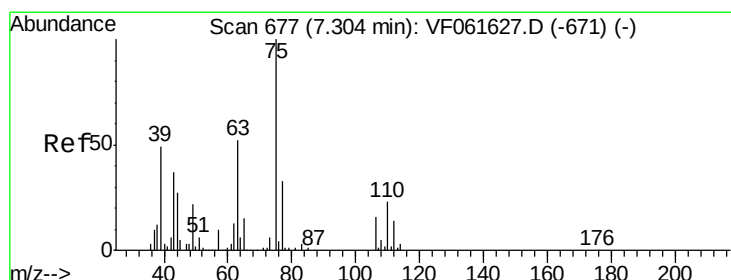
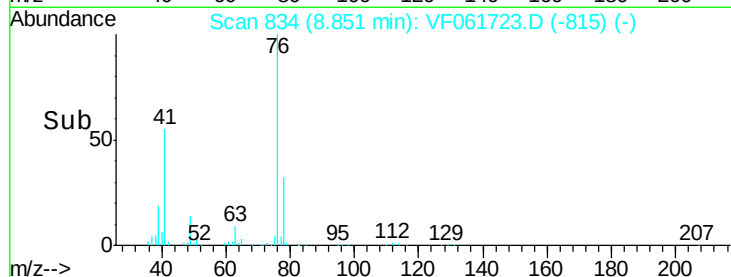
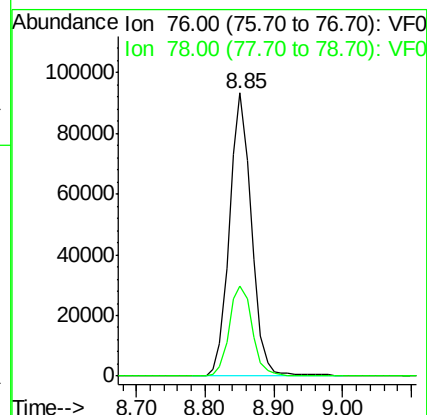
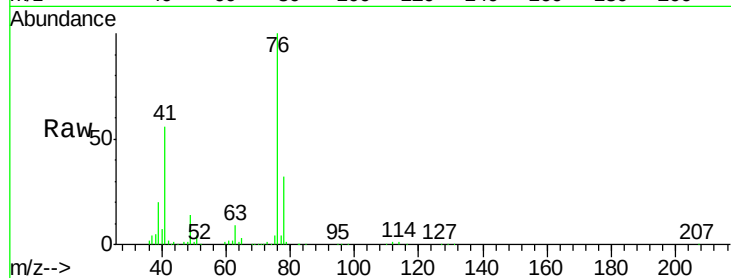
VSTDCCC050

Tot Ion: 76 Resp: 206708

Ion Ratio Lower Upper

76 100

78 31.7 27.8 41.6



#58

2-Chloroethyl Vinyl ether

Concen: 203.253 ug/l

RT: 7.29 min Scan# 676

Delta R.T. -0.01 min

Lab File: VF061723.D

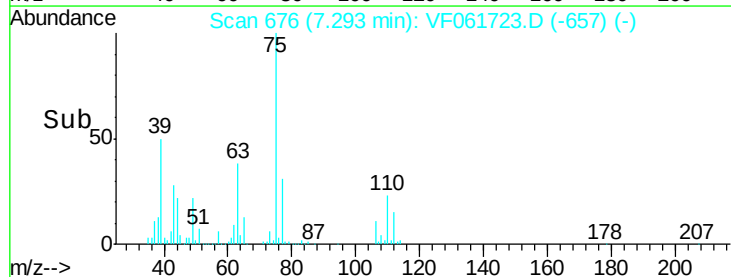
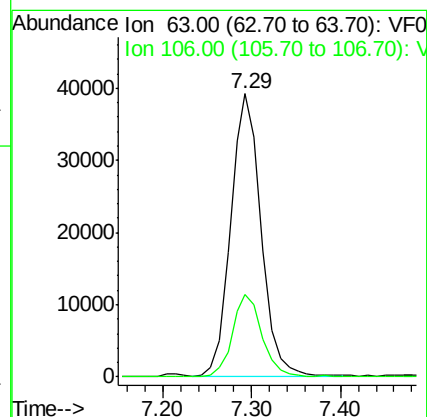
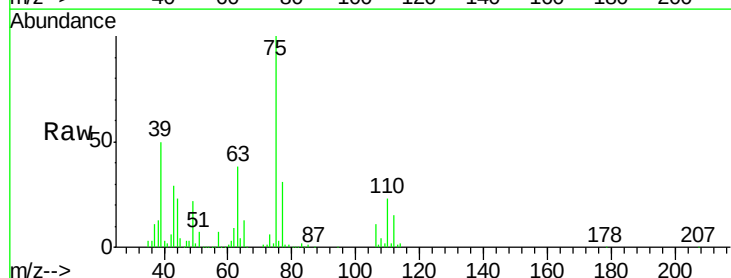
Acq: 25 Feb 2019 11:19

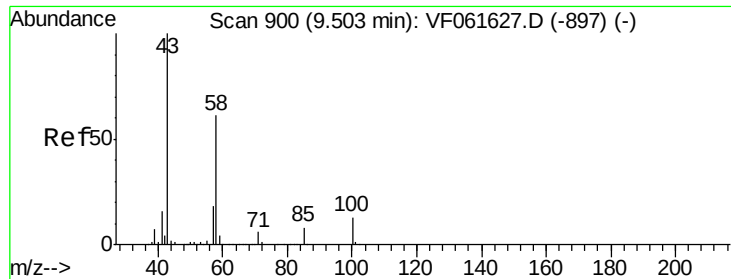
Tgt Ion: 63 Resp: 93994

Ion Ratio Lower Upper

63 100

106 29.1 24.6 36.8

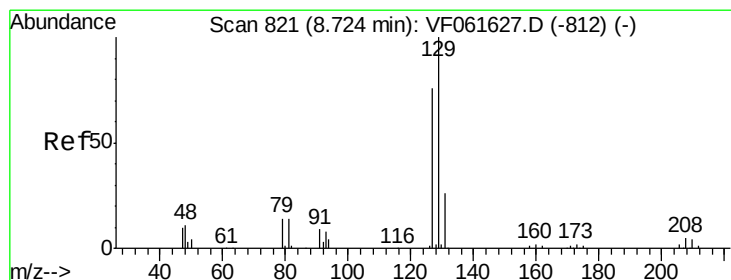
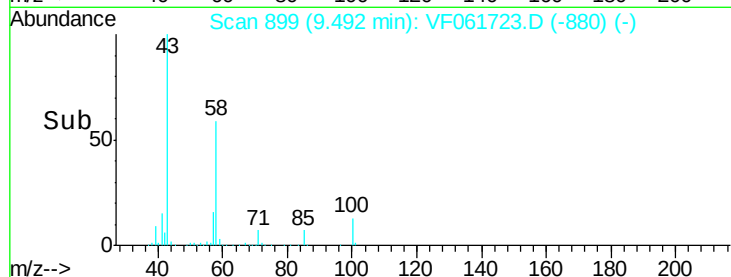
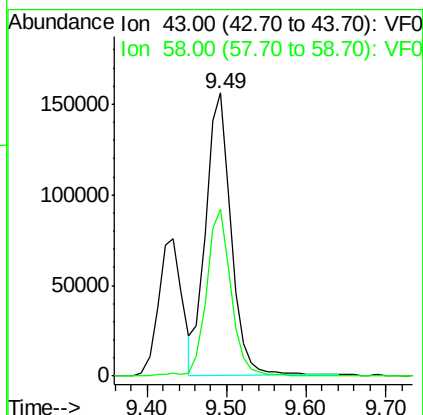
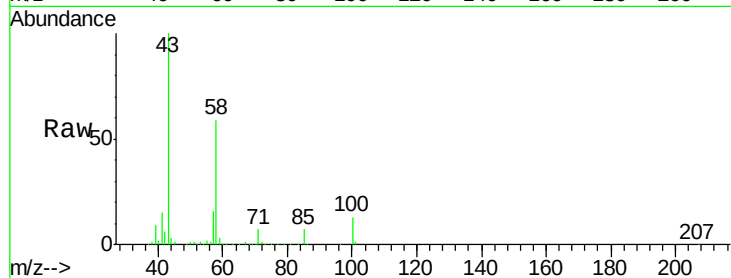




#59
2-Hexanone
Concen: 243.969 ug/l
RT: 9.49 min Scan# 899
Delta R.T. -0.01 min
Lab File: VF061723.D
Acq: 25 Feb 2019 11:19

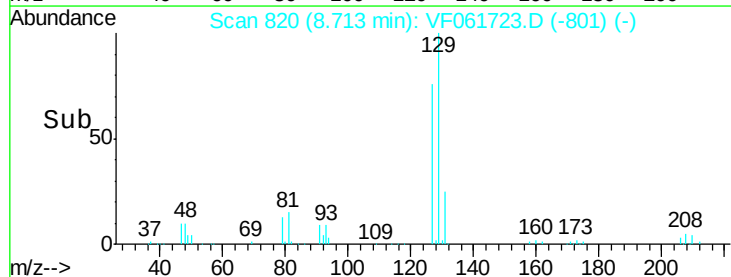
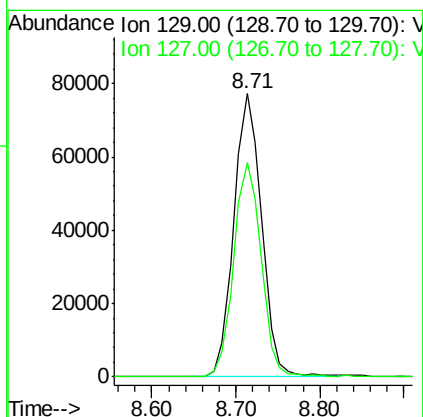
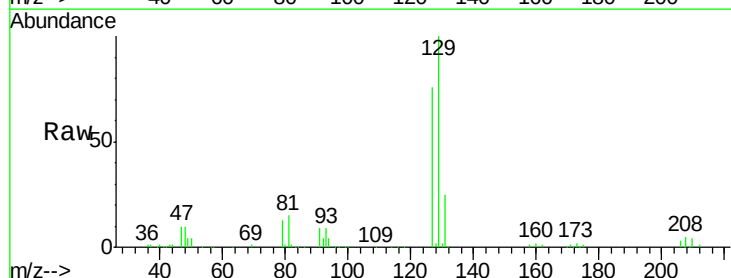
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

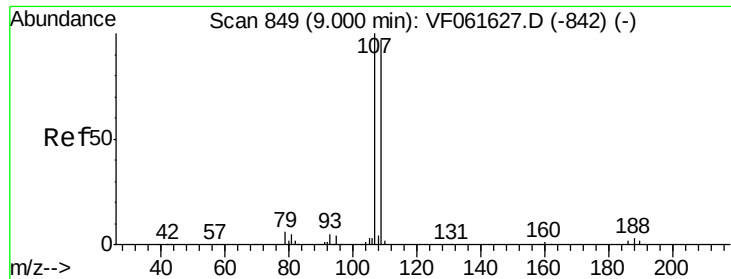
Tot Ion: 43 Resp: 347009
Ion Ratio Lower Upper
43 100
58 58.9 28.5 85.5



#60
Dibromochloromethane
Concen: 53.027 ug/l
RT: 8.71 min Scan# 820
Delta R.T. -0.01 min
Lab File: VF061723.D
Acq: 25 Feb 2019 11:19

Tgt Ion: 129 Resp: 177684
Ion Ratio Lower Upper
129 100
127 75.6 37.8 113.4





#61

1,2-Dibromoethane

Concen: 49.211 ug/l

RT: 8.99 min Scan# 848

Delta R.T. -0.01 min

Lab File: VF061723.D

Acq: 25 Feb 2019 11:19

Instrument :

MSVOA_F

ClientSampleId :

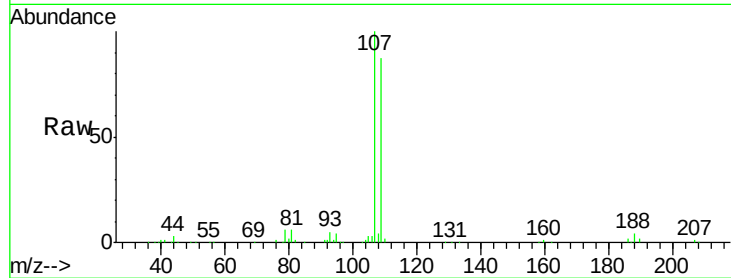
VSTDCCC050

Tot Ion:107 Resp: 128498

Ion Ratio Lower Upper

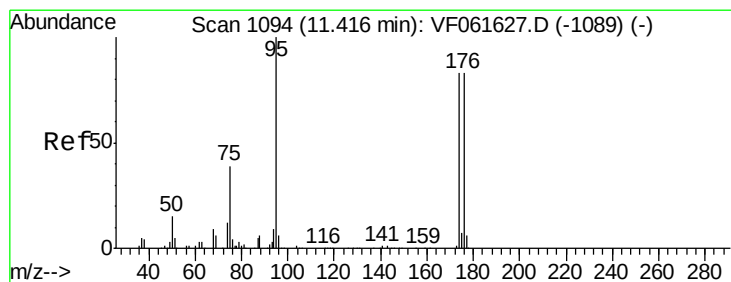
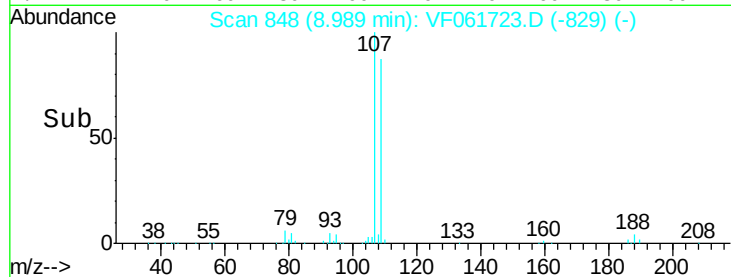
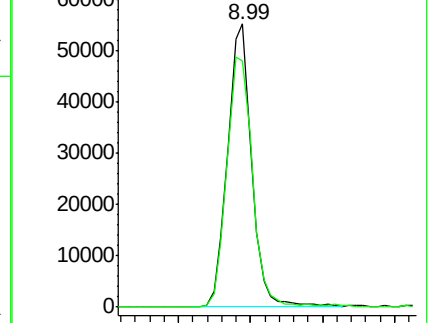
107 100

109 87.2 77.4 116.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 47.554 ug/l

RT: 11.41 min Scan# 1094

Delta R.T. -0.00 min

Lab File: VF061723.D

Acq: 25 Feb 2019 11:19

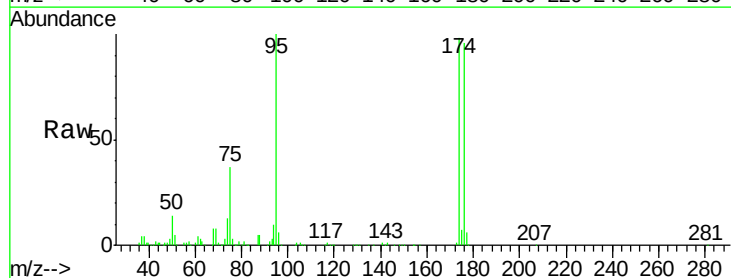
Tgt Ion: 95 Resp: 214169

Ion Ratio Lower Upper

95 100

174 98.2 0.0 165.8

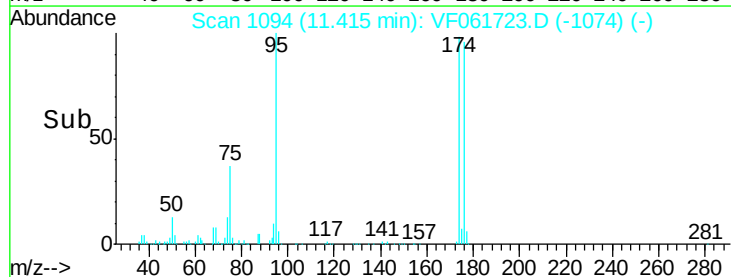
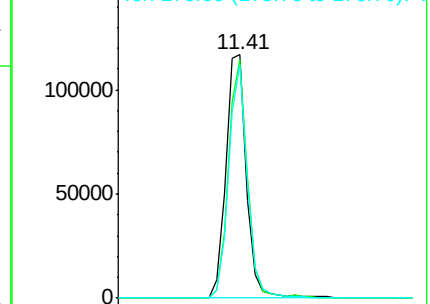
176 96.0 0.0 167.0

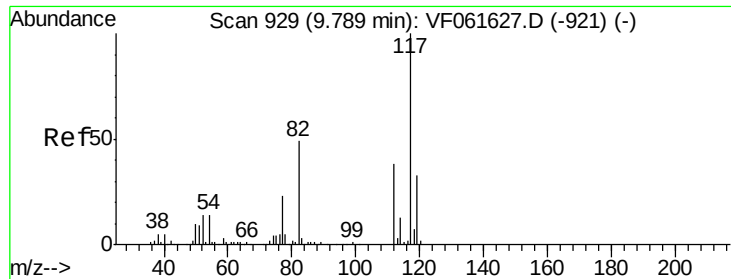


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

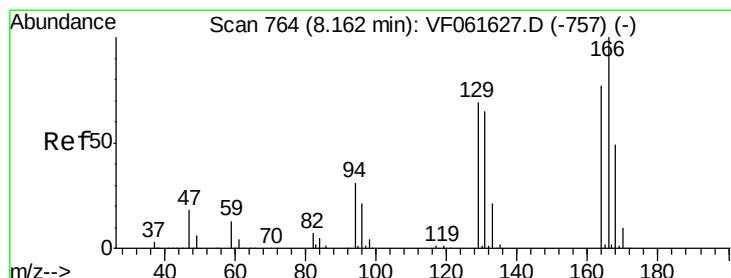
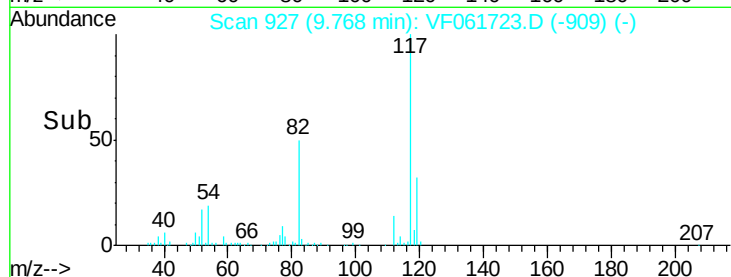
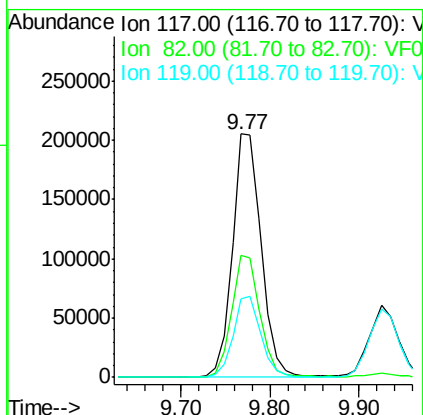
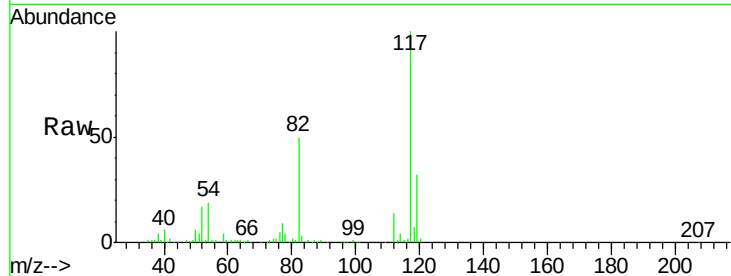




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. -0.02 min
Lab File: VF061723.D
Acq: 25 Feb 2019 11:19

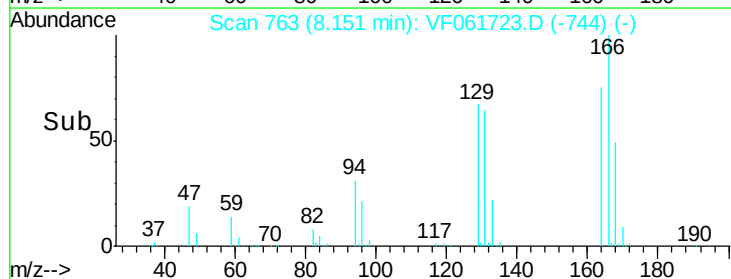
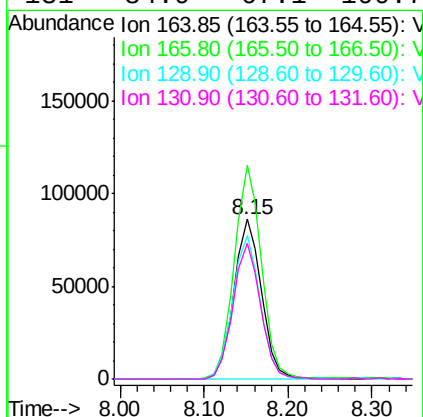
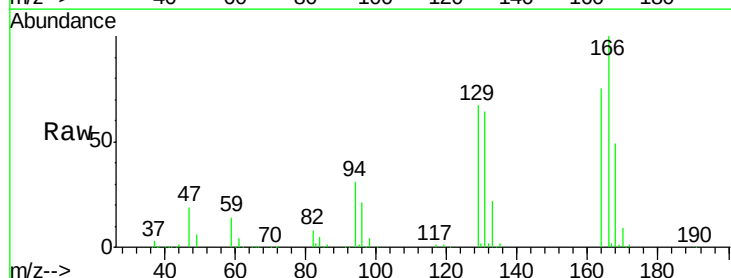
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

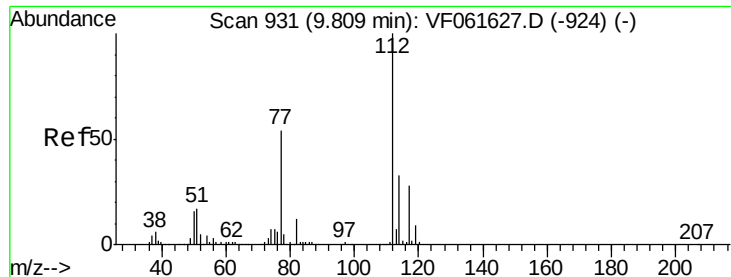
Tot Ion:117 Resp: 466320
Ion Ratio Lower Upper
117 100
82 50.3 39.3 58.9
119 32.1 26.6 40.0



#64
Tetrachloroethene
Concen: 51.555 ug/l
RT: 8.15 min Scan# 763
Delta R.T. -0.01 min
Lab File: VF061723.D
Acq: 25 Feb 2019 11:19

Tgt Ion:164 Resp: 196507
Ion Ratio Lower Upper
164 100
166 133.6 103.9 155.9
129 89.9 71.3 106.9
131 84.9 67.1 100.7

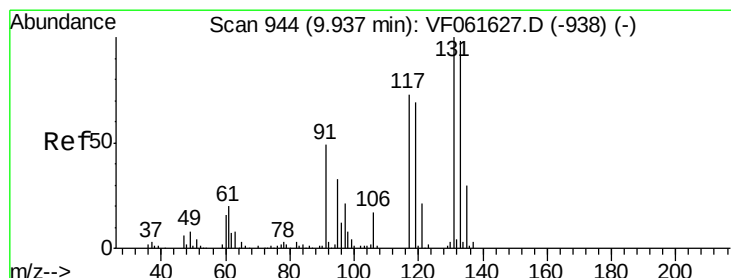
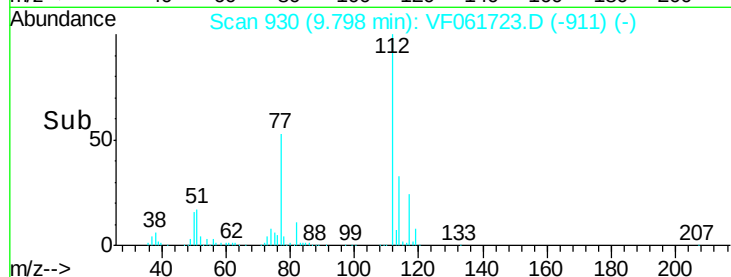
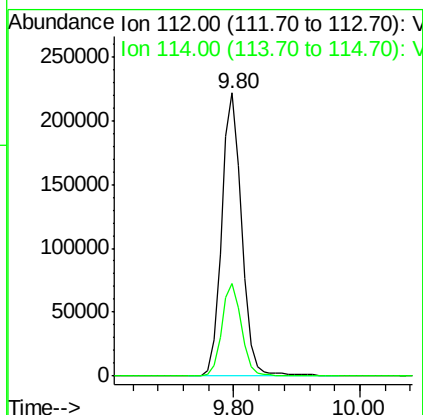
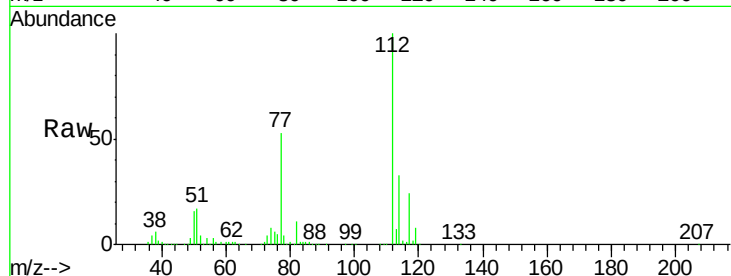




#65
Chlorobenzene
Concen: 52.113 ug/l
RT: 9.80 min Scan# 930
Delta R.T. -0.01 min
Lab File: VF061723.D
Acq: 25 Feb 2019 11:19

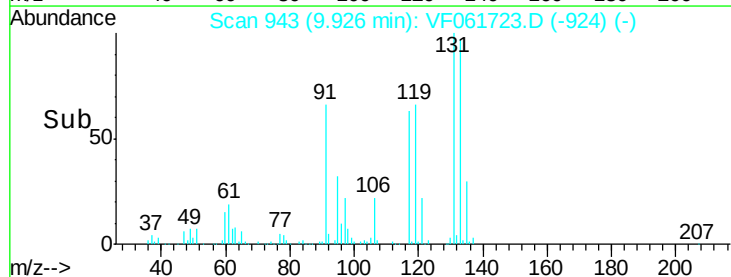
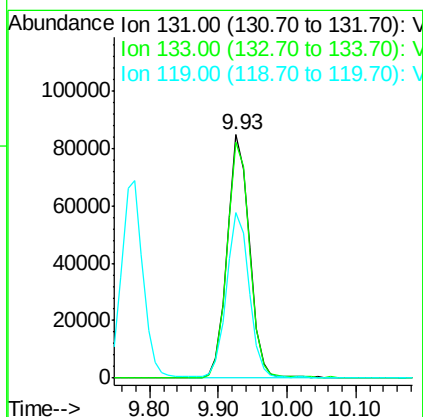
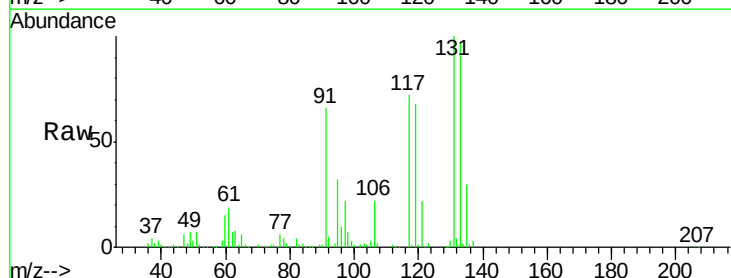
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

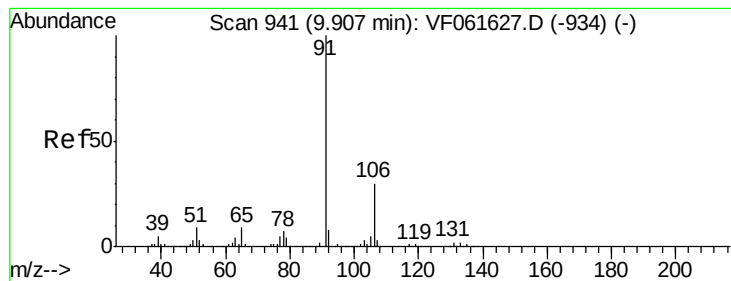
Tot Ion:112 Resp: 493132
Ion Ratio Lower Upper
112 100
114 32.6 26.2 39.2



#66
1,1,1,2-Tetrachloroethane
Concen: 51.361 ug/l
RT: 9.93 min Scan# 943
Delta R.T. -0.01 min
Lab File: VF061723.D
Acq: 25 Feb 2019 11:19

Tgt Ion:131 Resp: 190444
Ion Ratio Lower Upper
131 100
133 97.0 48.9 146.6
119 68.1 34.8 104.3





#67

Ethyl Benzene

Concen: 50.326 ug/l

RT: 9.90 min Scan# 940

Delta R.T. -0.01 min

Lab File: VF061723.D

Acq: 25 Feb 2019 11:19

Instrument :

MSVOA_F

ClientSampleId :

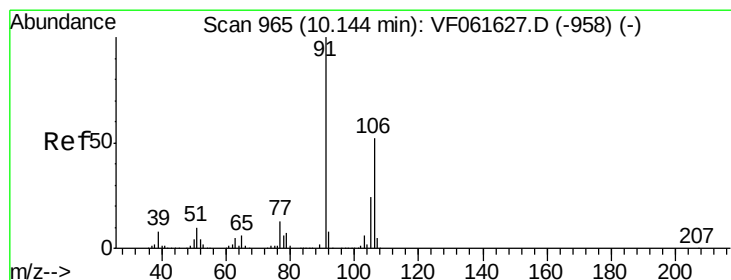
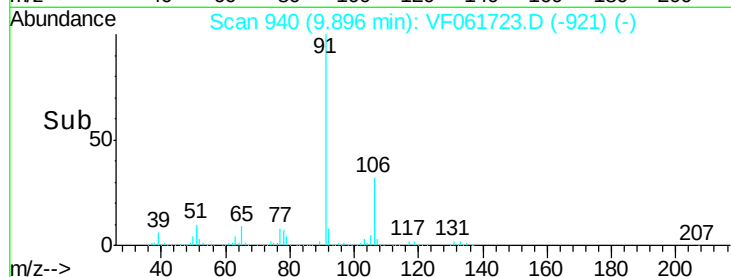
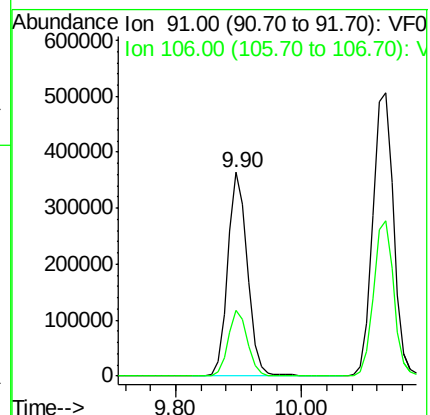
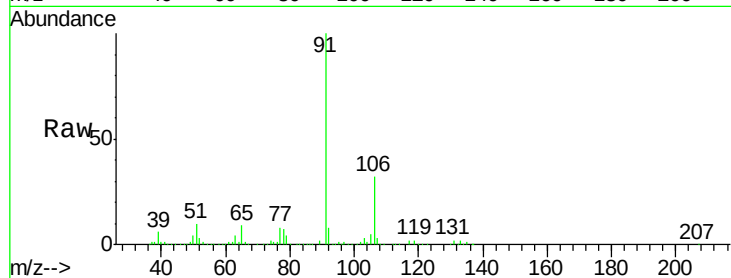
VSTDCCC050

Tot Ion: 91 Resp: 791952

Ion Ratio Lower Upper

91 100

106 32.1 24.1 36.1



#68

m/p-Xylenes

Concen: 102.722 ug/l

RT: 10.13 min Scan# 964

Delta R.T. -0.01 min

Lab File: VF061723.D

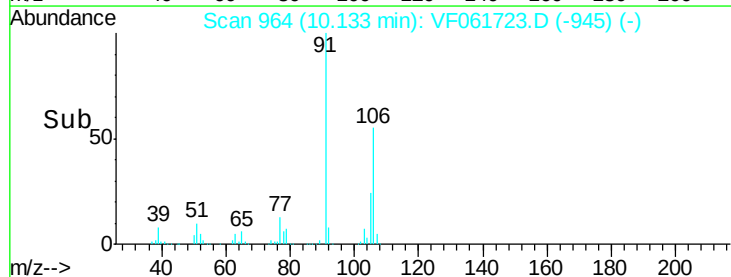
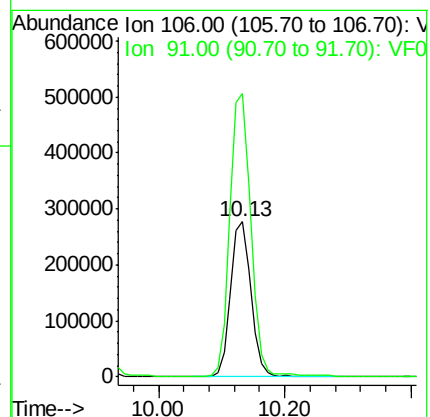
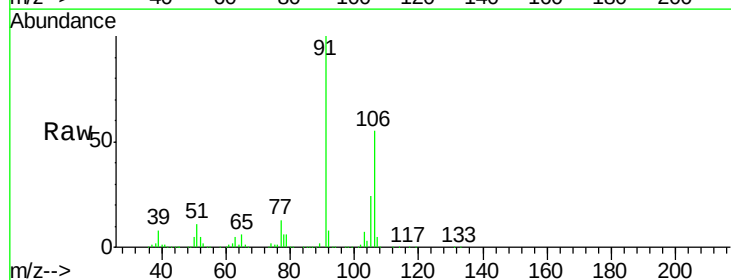
Acq: 25 Feb 2019 11:19

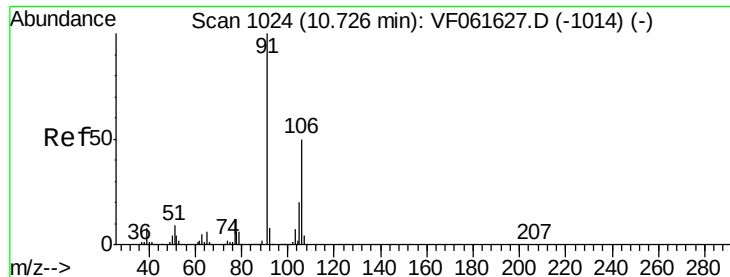
Tgt Ion: 106 Resp: 618645

Ion Ratio Lower Upper

106 100

91 182.3 153.0 229.6

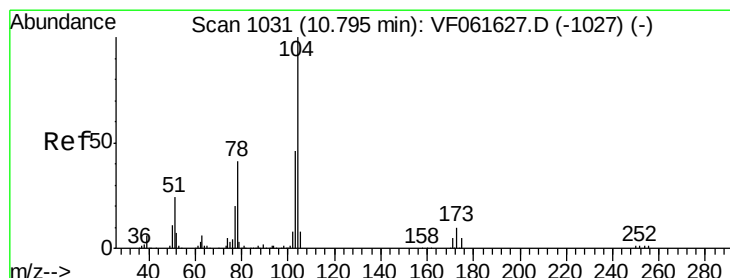
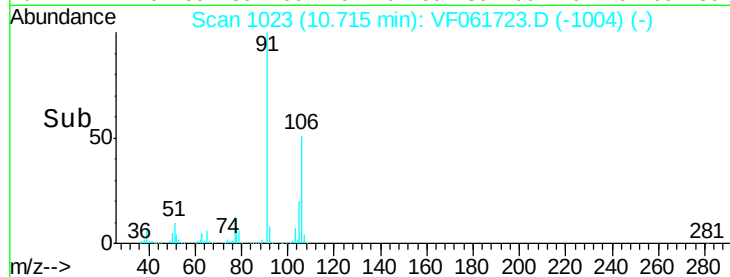
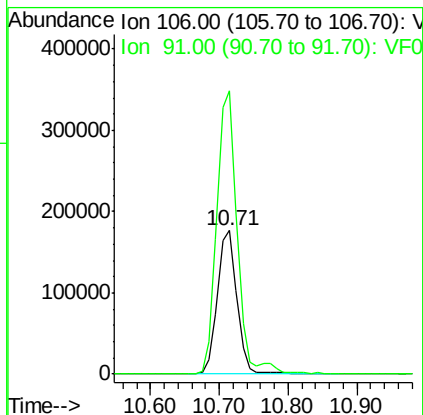
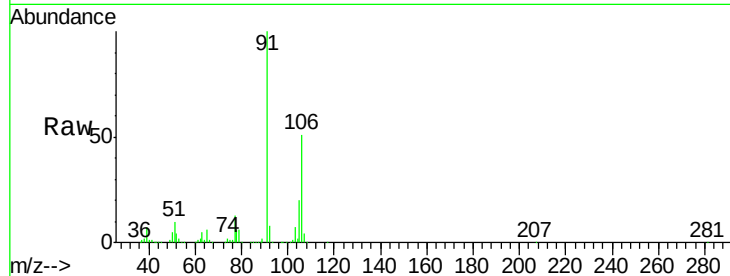




#69
o-Xylene
Concen: 54.178 ug/l
RT: 10.71 min Scan# 1023
Delta R.T. -0.01 min
Lab File: VF061723.D
Acq: 25 Feb 2019 11:19

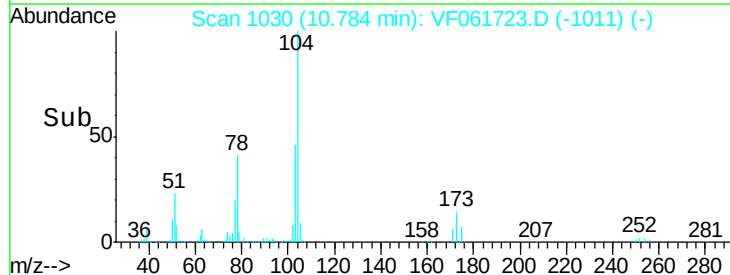
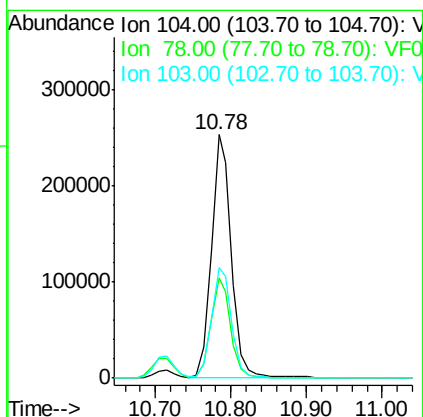
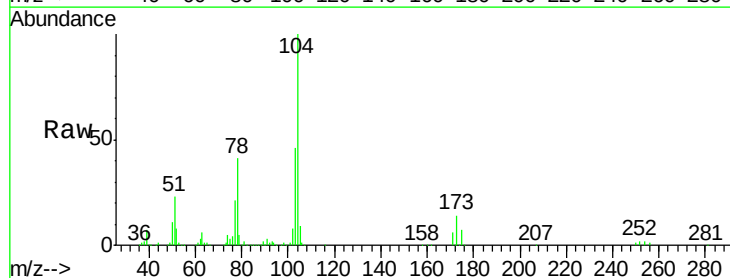
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

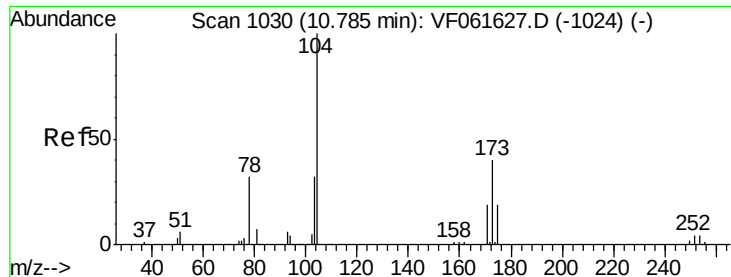
Tot Ion:106 Resp: 348170
Ion Ratio Lower Upper
106 100
91 197.2 100.1 300.1



#70
Styrene
Concen: 51.341 ug/l
RT: 10.78 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VF061723.D
Acq: 25 Feb 2019 11:19

Tgt Ion:104 Resp: 466747
Ion Ratio Lower Upper
104 100
78 41.2 33.2 49.8
103 45.6 37.2 55.8





#71

Bromoform

Concen: 51.421 ug/l

RT: 10.77 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VF061723.D

Acq: 25 Feb 2019 11:19

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

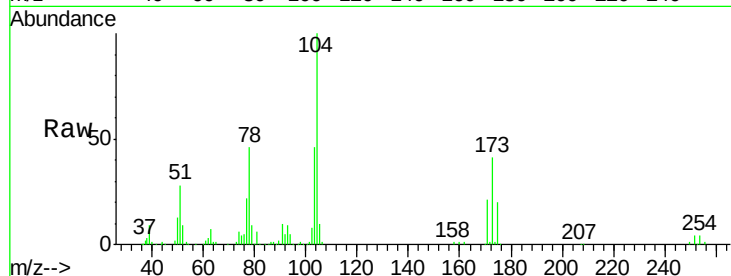
Tot Ion:173 Resp: 103535

Ion Ratio Lower Upper

173 100

175 47.5 24.0 72.0

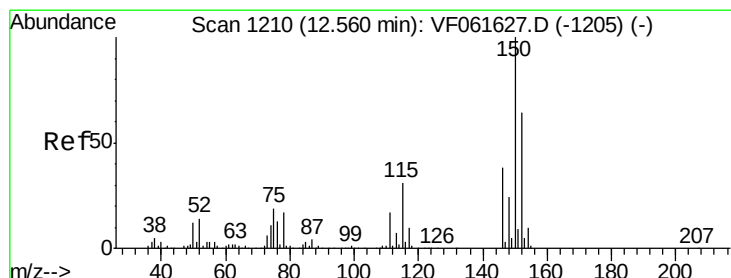
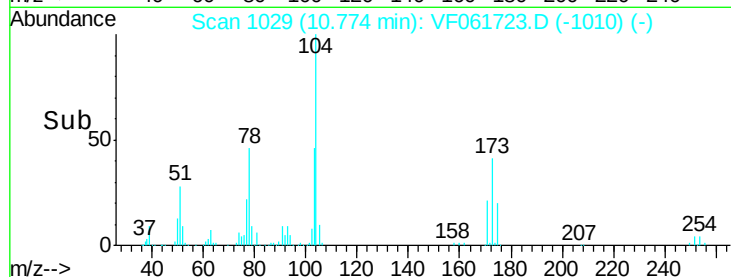
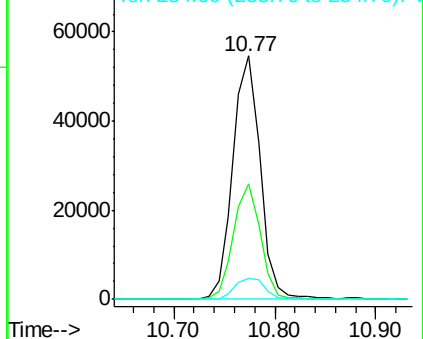
254 8.6 8.2 12.2



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.55 min Scan# 1209

Delta R.T. -0.01 min

Lab File: VF061723.D

Acq: 25 Feb 2019 11:19

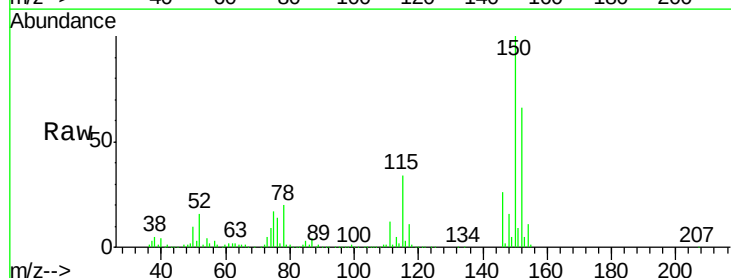
Tgt Ion:152 Resp: 260212

Ion Ratio Lower Upper

152 100

115 51.6 24.3 72.8

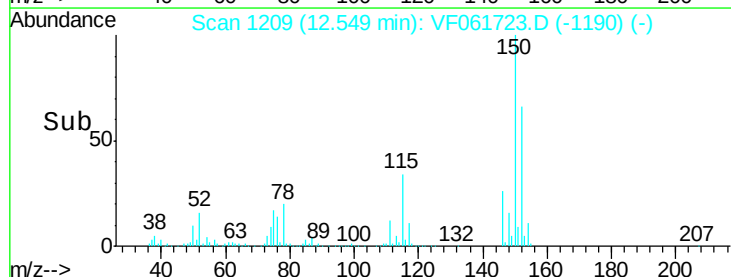
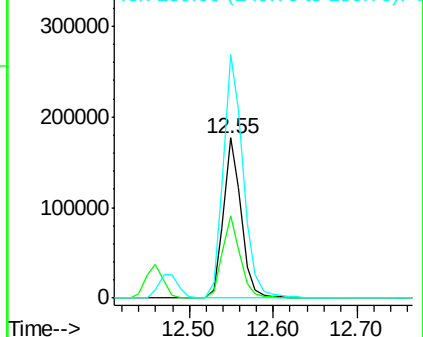
150 151.8 0.0 312.0

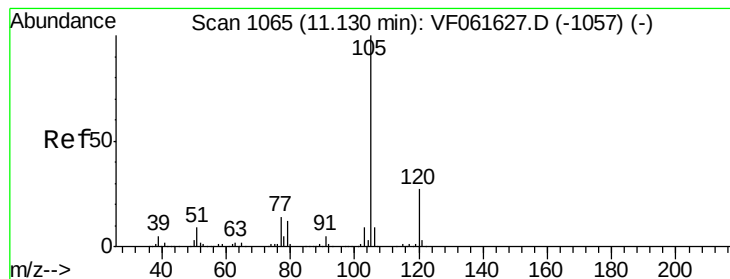


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 51.497 ug/l

RT: 11.12 min Scan# 1064

Delta R.T. -0.01 min

Lab File: VF061723.D

Acq: 25 Feb 2019 11:19

Instrument :

MSVOA_F

ClientSampleId :

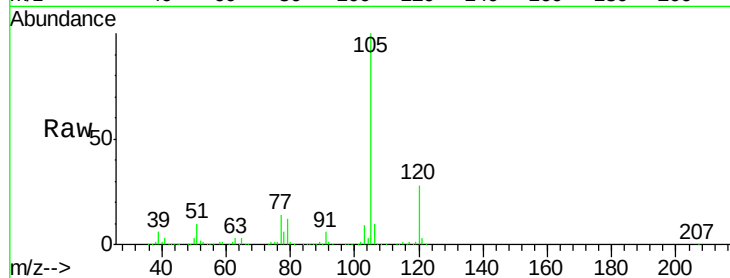
VSTDCCC050

Tot Ion:105 Resp: 954063

Ion Ratio Lower Upper

105 100

120 27.7 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

600000

500000

400000

300000

200000

100000

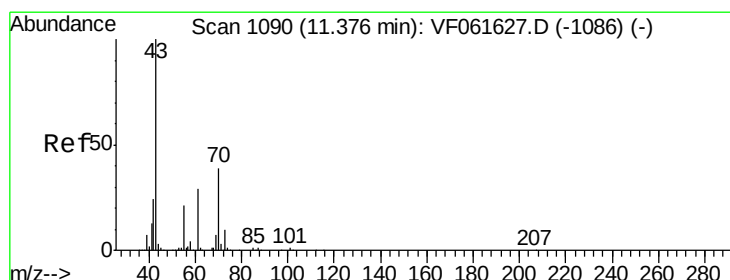
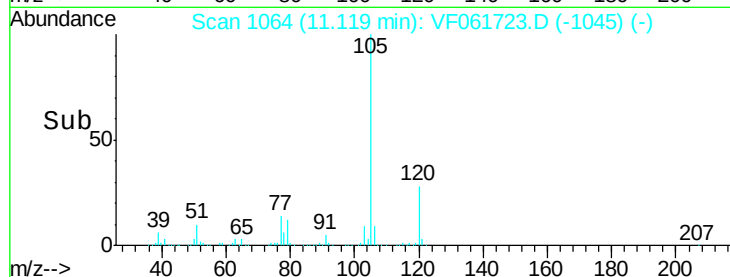
0

11.12

11.10

11.20

Time-->



#74

N-ethyl acetate

Concen: 45.895 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VF061723.D

Acq: 25 Feb 2019 11:19

Tgt Ion: 43 Resp: 204087

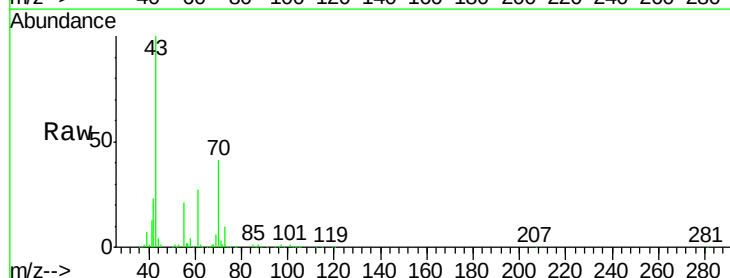
Ion Ratio Lower Upper

43 100

70 40.8 31.5 47.3

55 20.5 16.7 25.1

61 27.3 23.0 34.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

150000

100000

50000

0

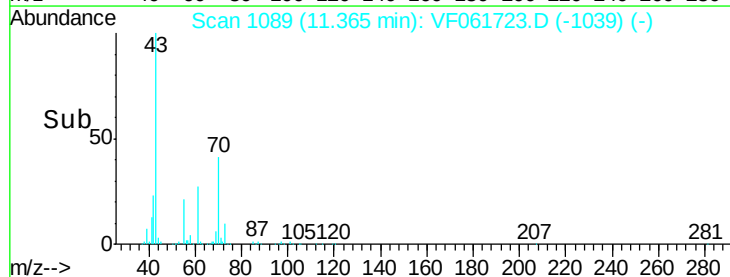
11.37

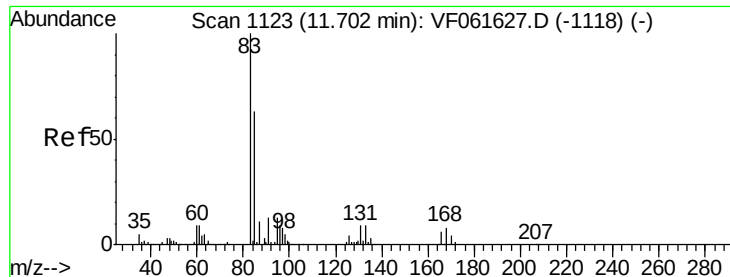
11.30

11.40

11.50

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 47.367 ug/l

RT: 11.69 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VF061723.D

Acq: 25 Feb 2019 11:19

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

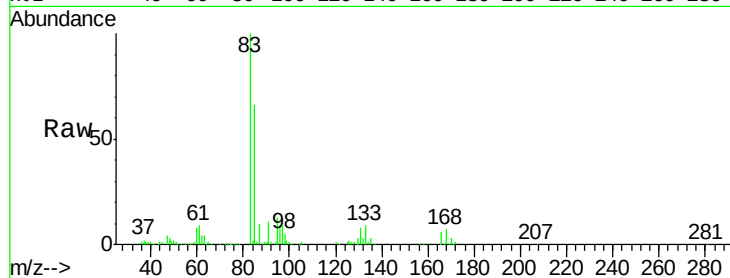
Tot Ion: 83 Resp: 157216

Ion Ratio Lower Upper

83 100

131 8.4 4.4 13.2

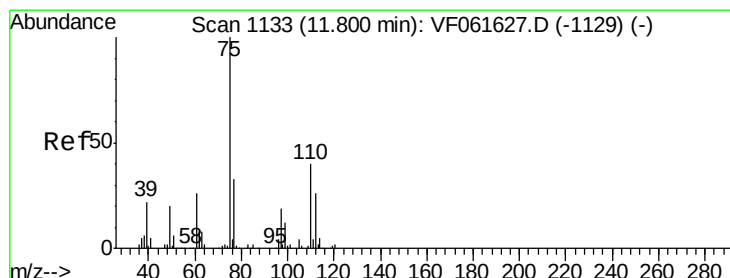
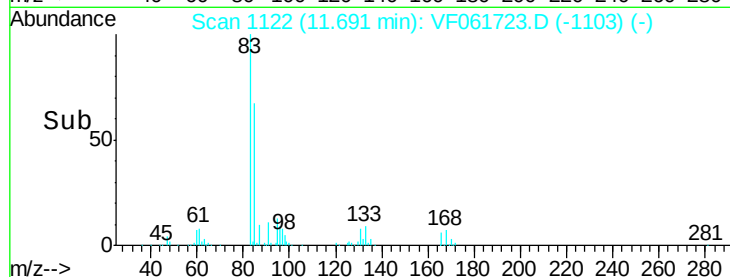
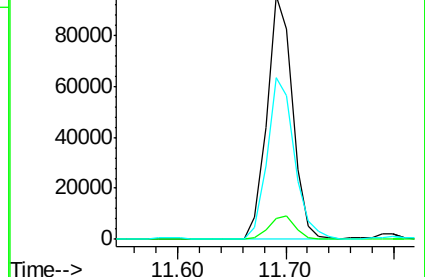
85 66.4 31.5 94.5



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): VF0

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 44.817 ug/l

RT: 11.79 min Scan# 1132

Delta R.T. -0.01 min

Lab File: VF061723.D

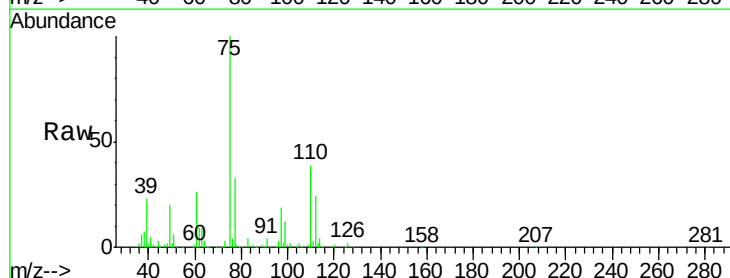
Acq: 25 Feb 2019 11:19

Tgt Ion: 75 Resp: 101134

Ion Ratio Lower Upper

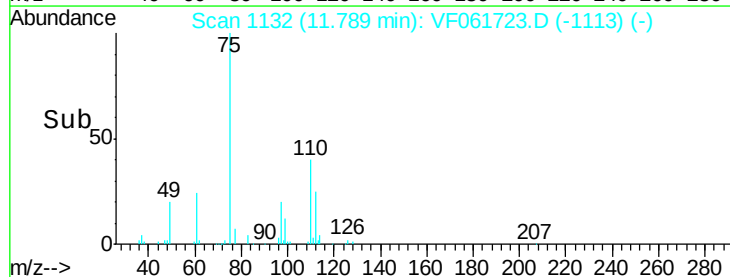
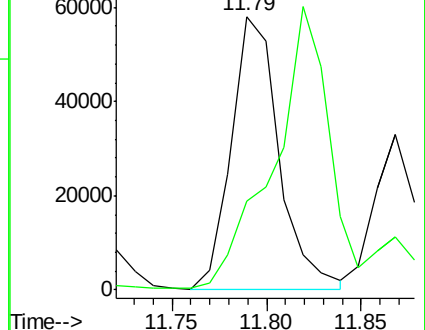
75 100

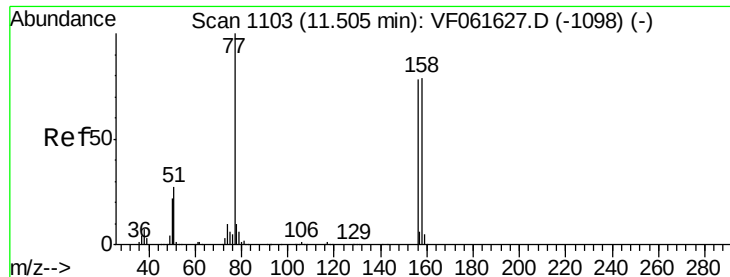
77 32.5 16.6 49.7



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 49.405 ug/l

RT: 11.49 min Scan# 1102

Delta R.T. -0.01 min

Lab File: VF061723.D

Acq: 25 Feb 2019 11:19

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

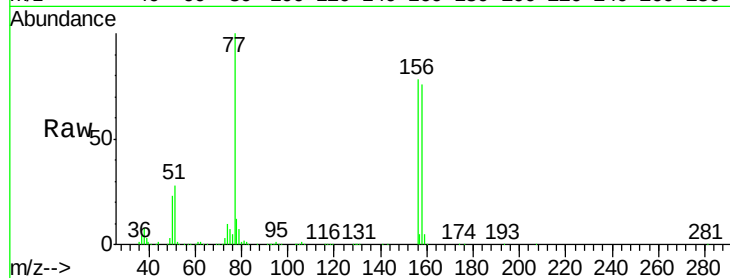
Tot Ion:156 Resp: 226122

Ion Ratio Lower Upper

156 100

77 128.8 64.3 192.7

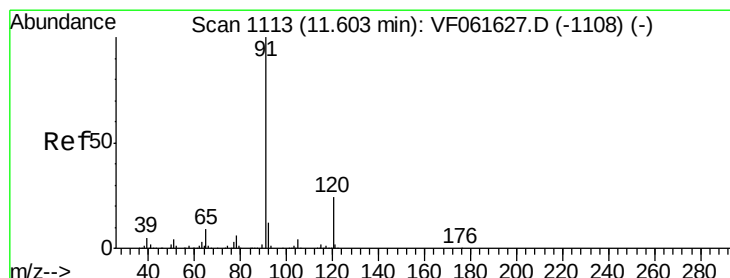
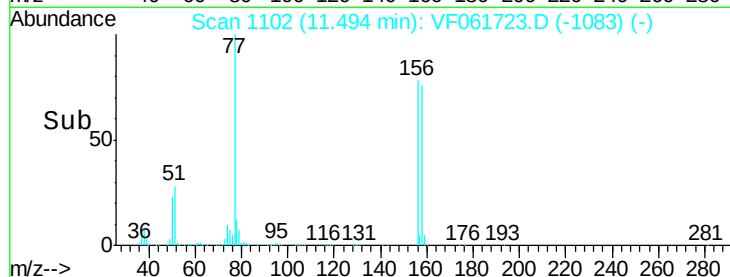
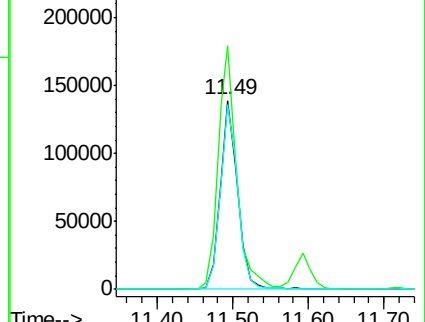
158 97.9 50.9 152.7



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 49.931 ug/l

RT: 11.59 min Scan# 1112

Delta R.T. -0.01 min

Lab File: VF061723.D

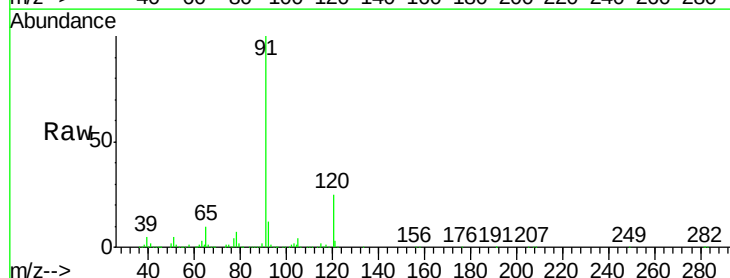
Acq: 25 Feb 2019 11:19

Tgt Ion: 91 Resp: 1061528

Ion Ratio Lower Upper

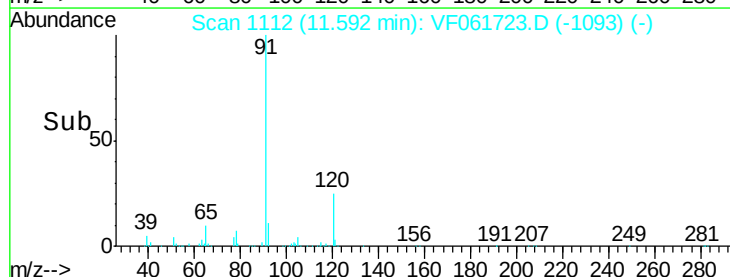
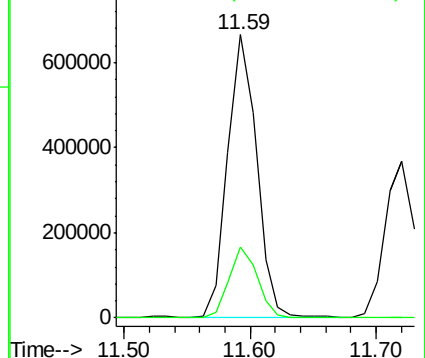
91 100

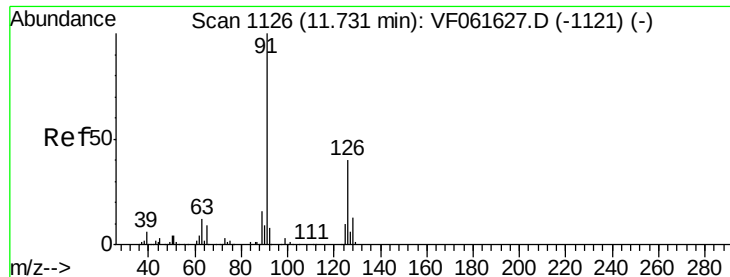
120 25.1 12.1 36.3



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

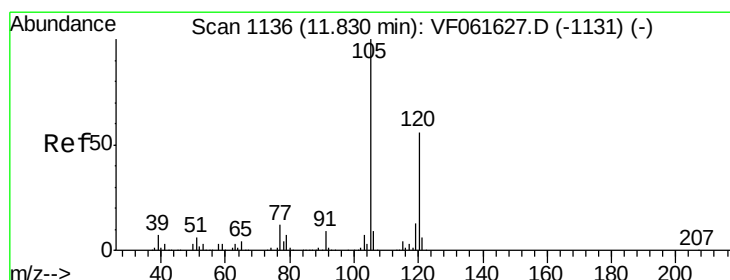
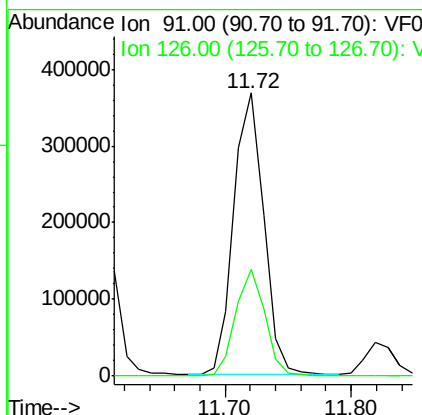
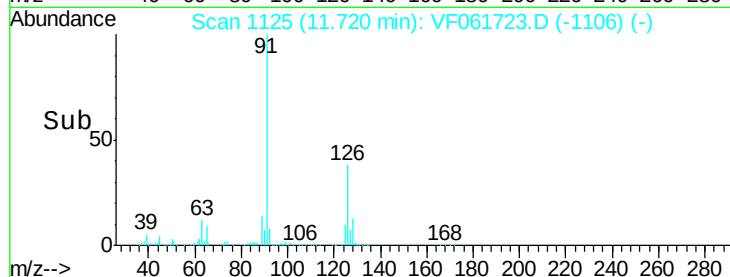
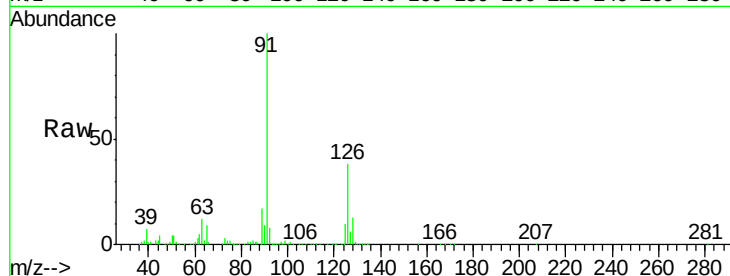




#79
 2-Chlorotoluene
 Concen: 50.711 ug/l
 RT: 11.72 min Scan# 1125
 Delta R.T. -0.01 min
 Lab File: VF061723.D
 Acq: 25 Feb 2019 11:19

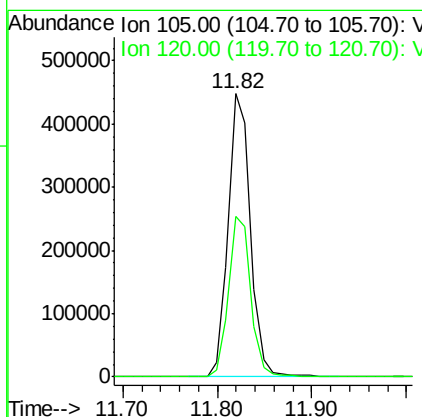
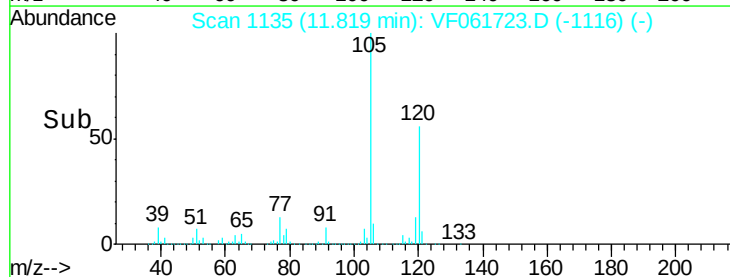
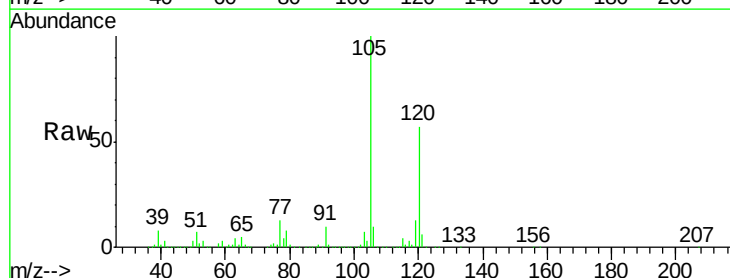
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

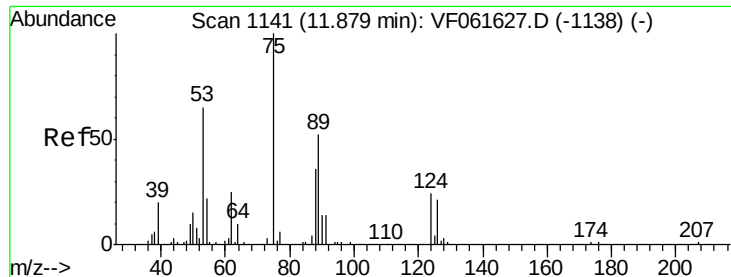
Tot Ion: 91 Resp: 603788
 Ion Ratio Lower Upper
 91 100
 126 37.6 19.8 59.4



#80
 1,3,5-Trimethylbenzene
 Concen: 49.281 ug/l
 RT: 11.82 min Scan# 1135
 Delta R.T. -0.01 min
 Lab File: VF061723.D
 Acq: 25 Feb 2019 11:19

Tgt Ion: 105 Resp: 729711
 Ion Ratio Lower Upper
 105 100
 120 56.6 27.9 83.6





#81

trans-1,4-Dichloro-2-butene

Concen: 49.511 ug/l m

RT: 11.87 min Scan# 1140

Delta R.T. -0.01 min

Lab File: VF061723.D

Acq: 25 Feb 2019 11:19

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

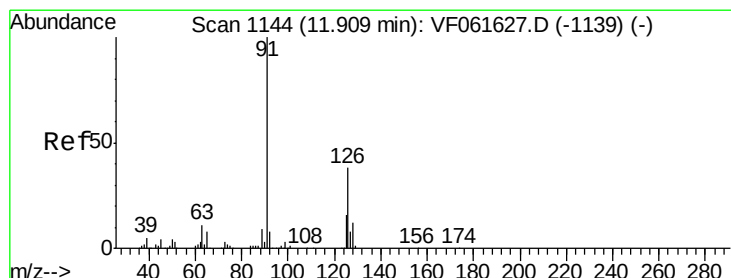
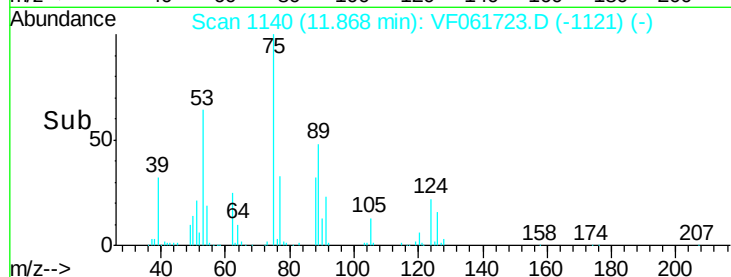
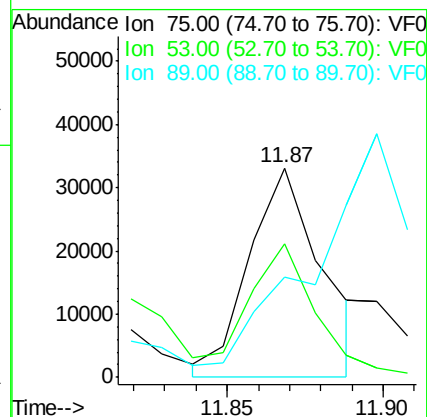
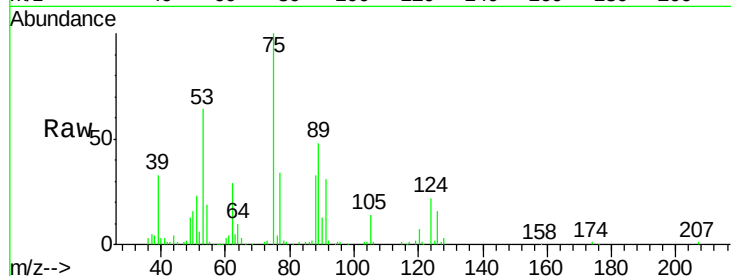
Tot Ion: 75 Resp: 53563

Ion Ratio Lower Upper

75 100

53 63.6 53.7 80.5

89 48.0 41.6 62.4



#82

4-Chlorotoluene

Concen: 48.505 ug/l

RT: 11.90 min Scan# 1143

Delta R.T. -0.01 min

Lab File: VF061723.D

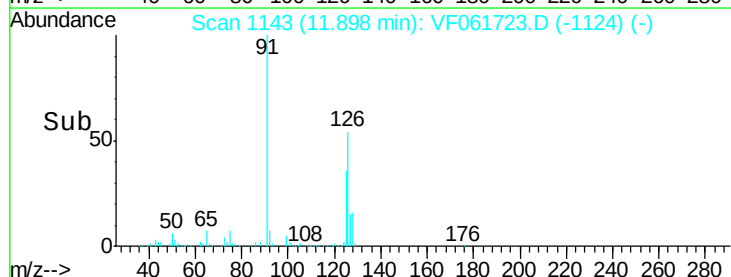
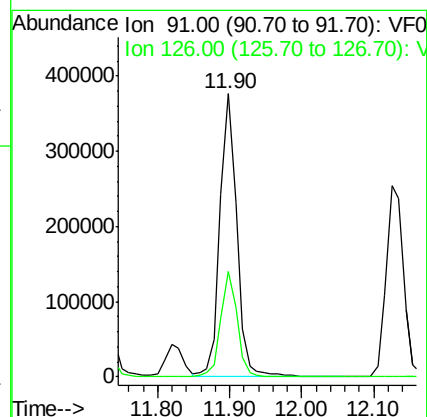
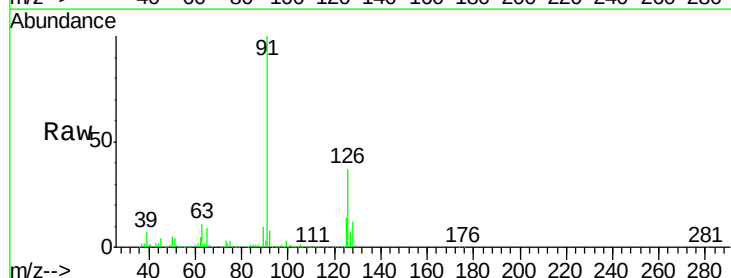
Acq: 25 Feb 2019 11:19

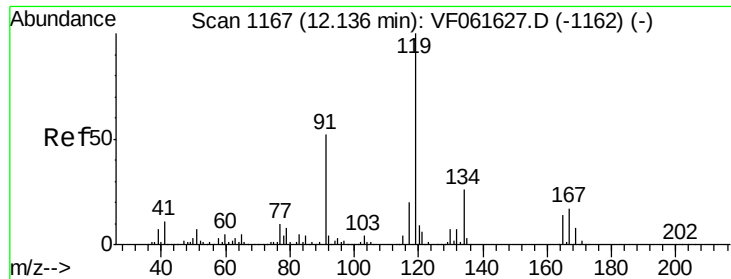
Tgt Ion: 91 Resp: 599444

Ion Ratio Lower Upper

91 100

126 37.2 19.1 57.1

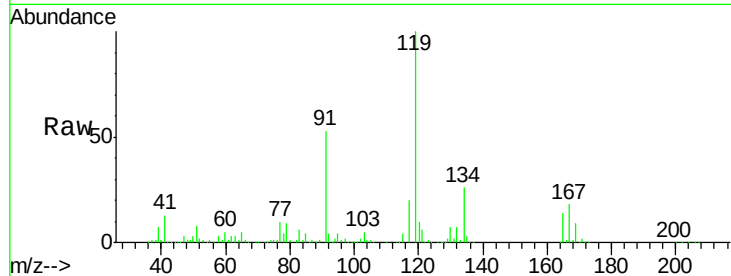




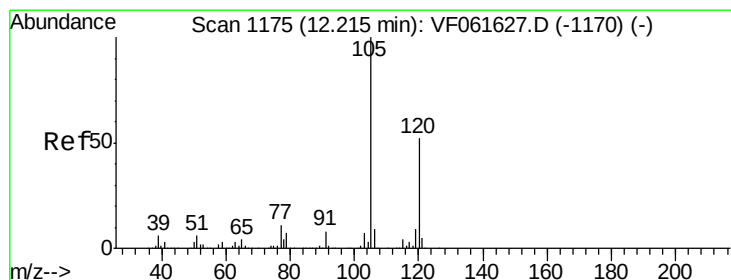
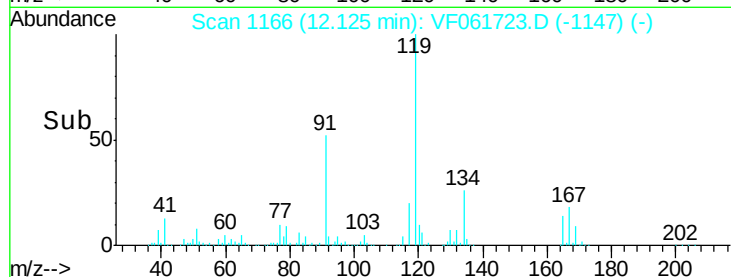
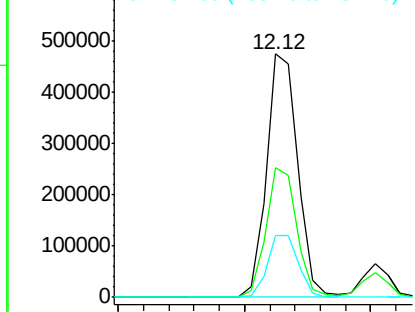
#83
 tert-Butylbenzene
 Concen: 49.762 ug/l
 RT: 12.12 min Scan# 1166
 Delta R.T. -0.01 min
 Lab File: VF061723.D
 Acq: 25 Feb 2019 11:19

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion:119 Resp: 816126
 Ion Ratio Lower Upper
 119 100
 91 53.5 26.3 78.8
 134 25.5 12.9 38.7

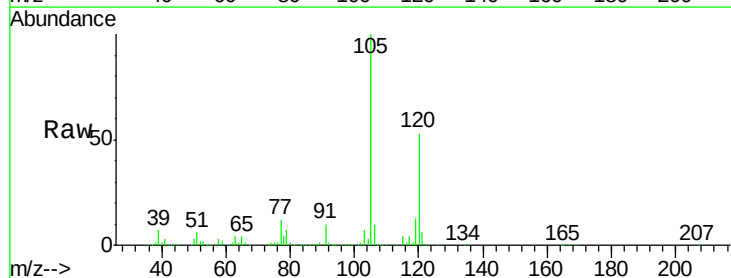


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

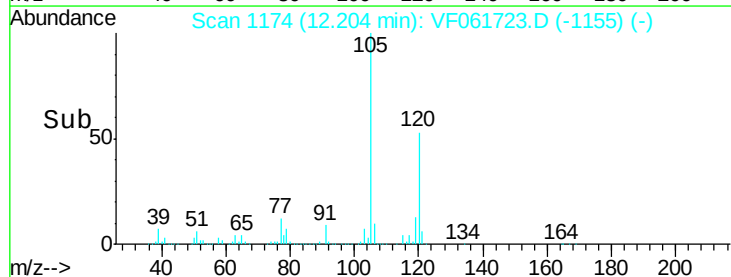
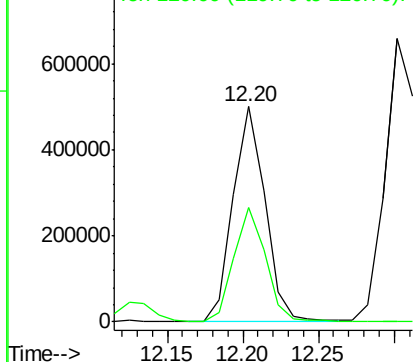


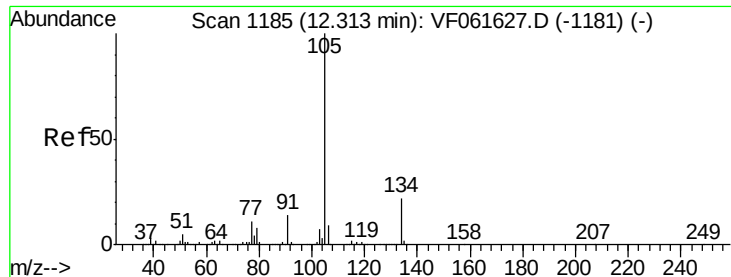
#84
 1,2,4-Trimethylbenzene
 Concen: 50.092 ug/l
 RT: 12.20 min Scan# 1174
 Delta R.T. -0.01 min
 Lab File: VF061723.D
 Acq: 25 Feb 2019 11:19

Tgt Ion:105 Resp: 736893
 Ion Ratio Lower Upper
 105 100
 120 53.3 26.1 78.3



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





#85

sec-Butylbenzene

Concen: 48.071 ug/l

RT: 12.30 min Scan# 1184

Delta R.T. -0.01 min

Lab File: VF061723.D

Acq: 25 Feb 2019 11:19

Instrument :

MSVOA_F

ClientSampleId :

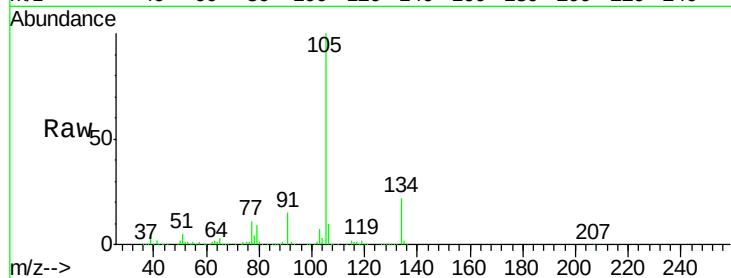
VSTDCCC050

Tot Ion:105 Resp: 1019523

Ion Ratio Lower Upper

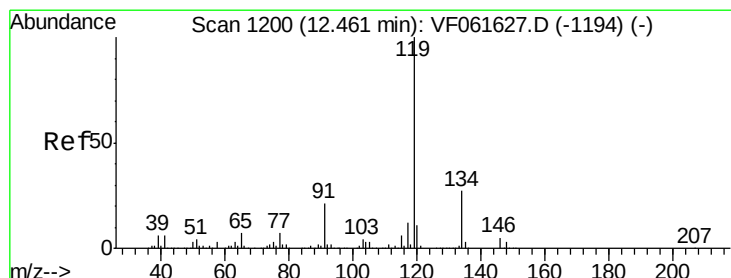
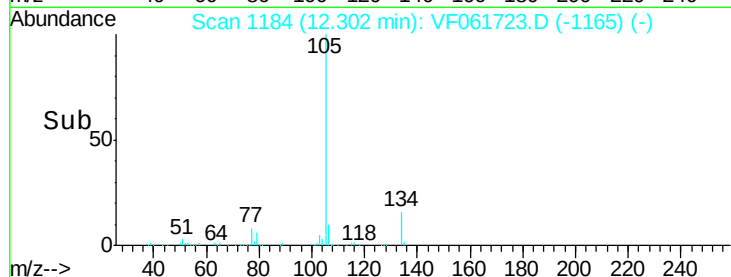
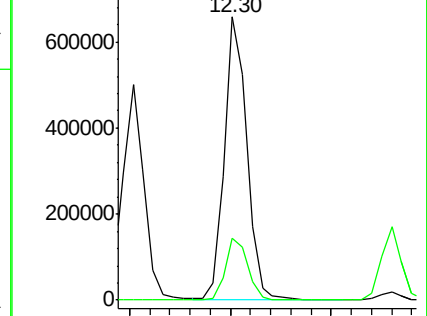
105 100

134 21.8 10.8 32.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 49.057 ug/l

RT: 12.46 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VF061723.D

Acq: 25 Feb 2019 11:19

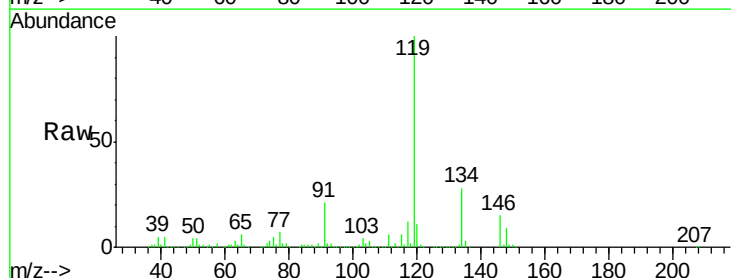
Tgt Ion:119 Resp: 873169

Ion Ratio Lower Upper

119 100

134 28.2 13.7 41.1

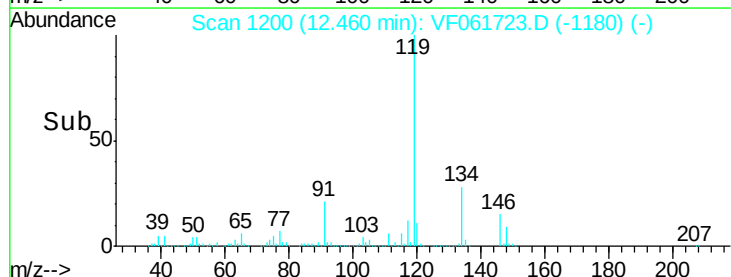
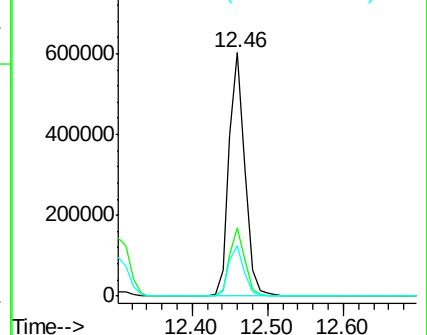
91 20.9 10.8 32.4

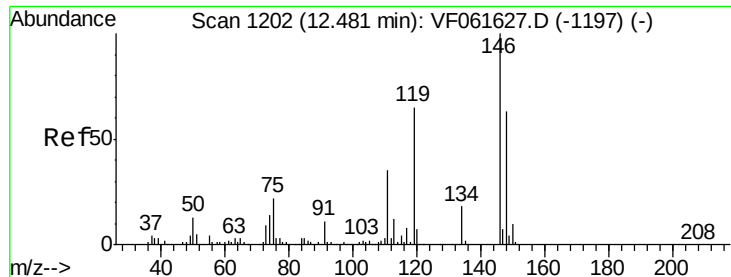


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0





#87

1,3-Dichlorobenzene

Concen: 46.893 ug/l

RT: 12.47 min Scan# 1201

Delta R.T. -0.01 min

Lab File: VF061723.D

Acq: 25 Feb 2019 11:19

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

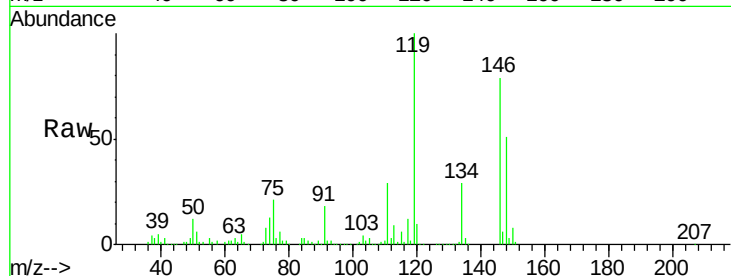
Tot Ion:146 Resp: 418413

Ion Ratio Lower Upper

146 100

111 36.2 17.5 52.6

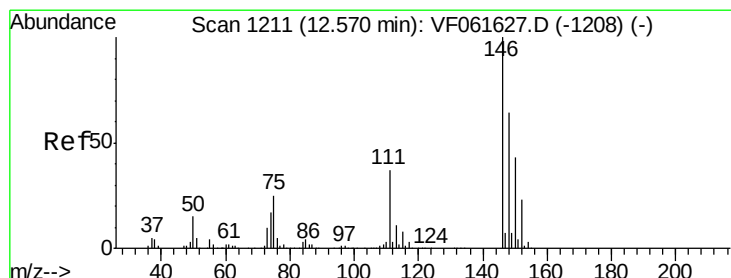
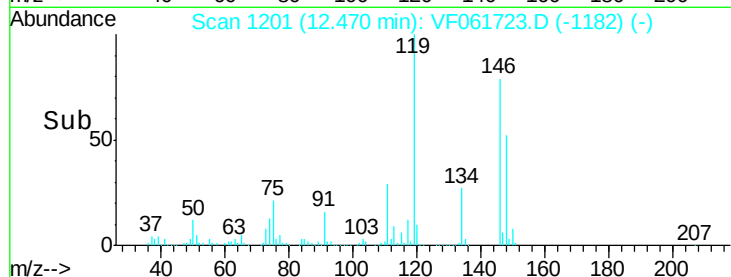
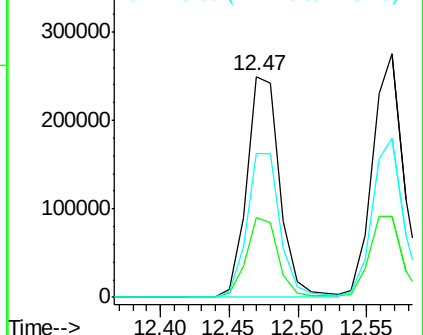
148 65.0 31.4 94.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,4-Dichlorobenzene

Concen: 51.016 ug/l

RT: 12.57 min Scan# 1211

Delta R.T. -0.00 min

Lab File: VF061723.D

Acq: 25 Feb 2019 11:19

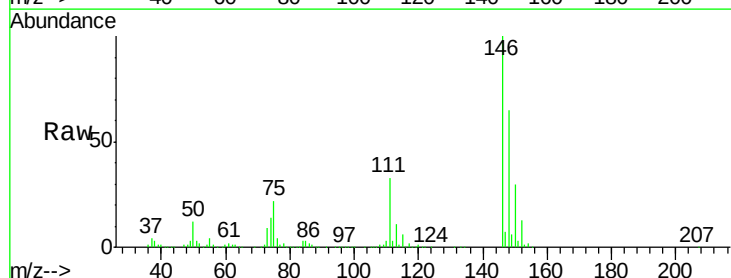
Tgt Ion:146 Resp: 437780

Ion Ratio Lower Upper

146 100

111 33.2 18.4 55.4

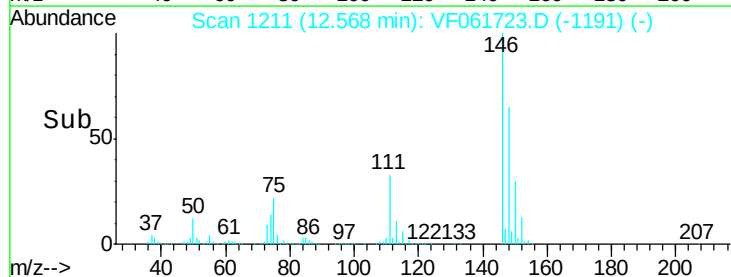
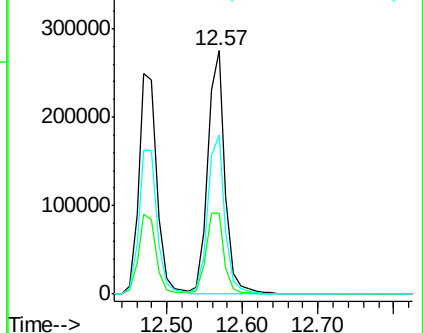
148 65.1 32.2 96.6

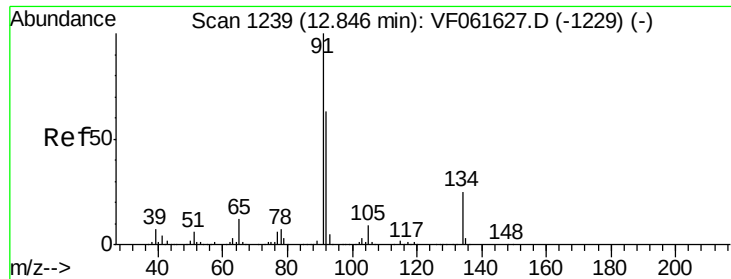


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

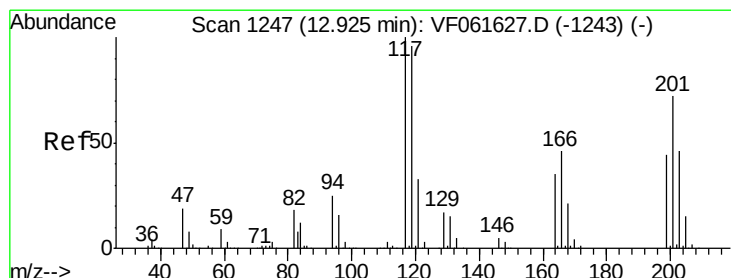
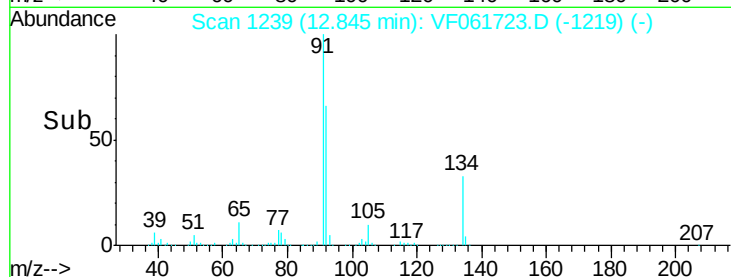
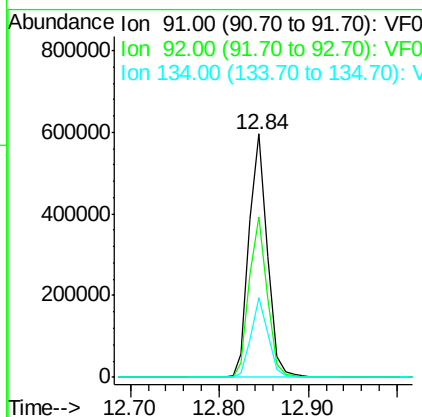
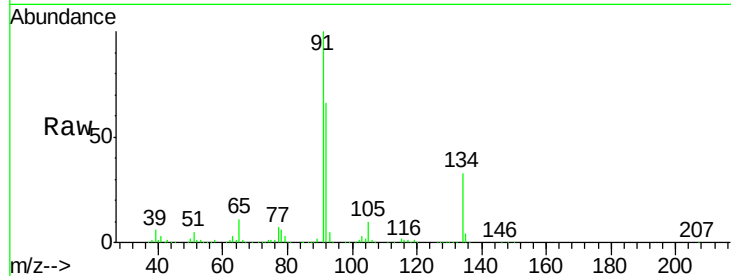




#89
n-Butylbenzene
Concen: 49.813 ug/l
RT: 12.84 min Scan# 1239
Delta R.T. -0.00 min
Lab File: VF061723.D
Acq: 25 Feb 2019 11:19

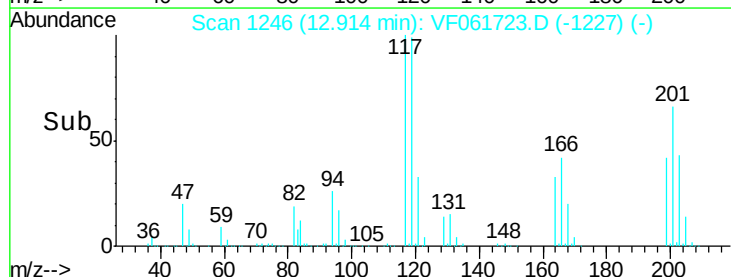
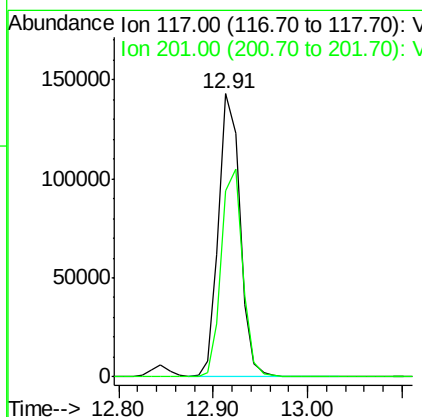
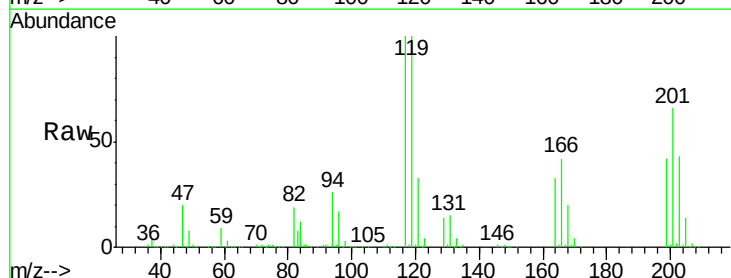
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

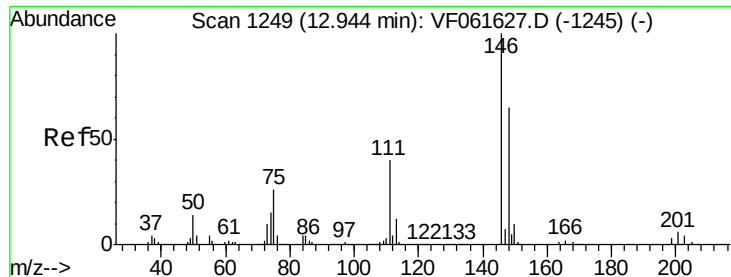
Tot Ion: 91 Resp: 837223
Ion Ratio Lower Upper
91 100
92 66.1 31.4 94.3
134 32.8 12.3 36.9



#90
Hexachloroethane
Concen: 54.797 ug/l
RT: 12.91 min Scan# 1246
Delta R.T. -0.01 min
Lab File: VF061723.D
Acq: 25 Feb 2019 11:19

Tgt Ion: 117 Resp: 226837
Ion Ratio Lower Upper
117 100
201 65.7 36.2 108.6

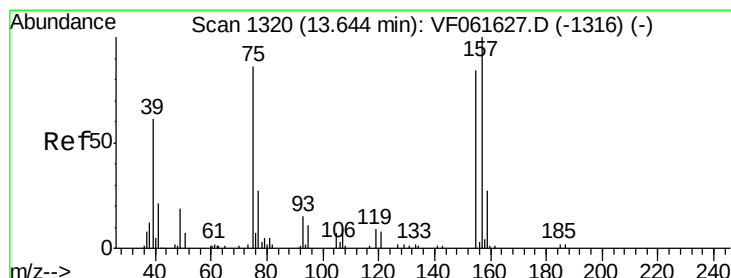
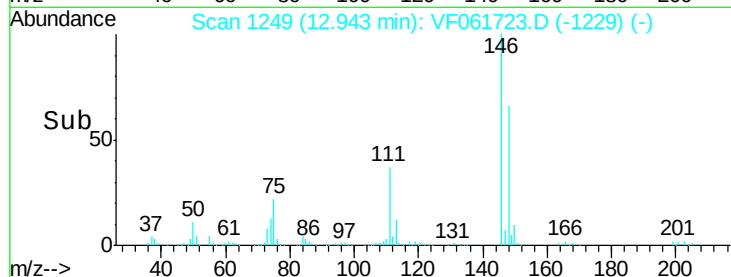
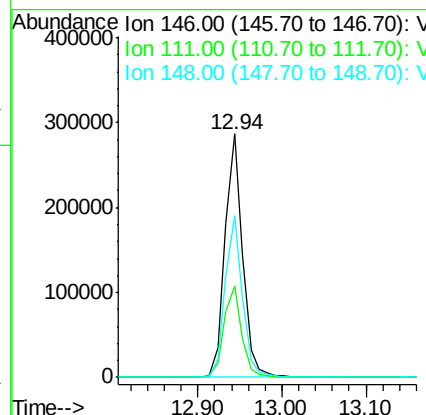
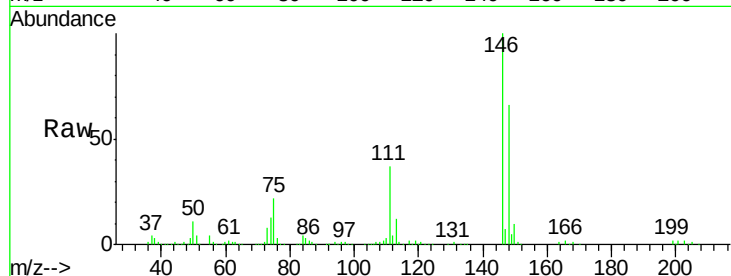




#91
 1,2-Dichlorobenzene
 Concen: 49.044 ug/l
 RT: 12.94 min Scan# 1249
 Delta R.T. -0.00 min
 Lab File: VF061723.D
 Acq: 25 Feb 2019 11:19

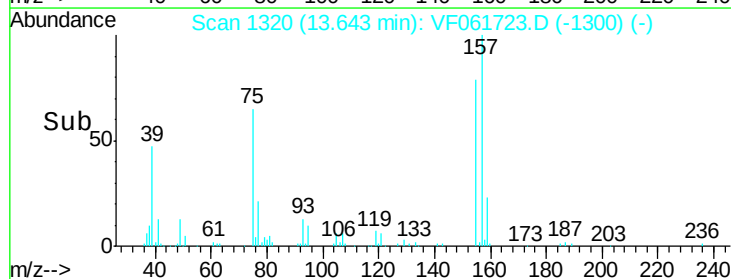
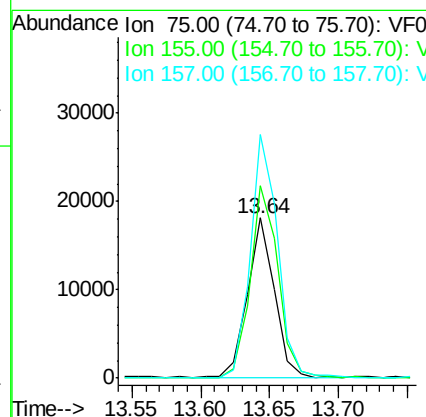
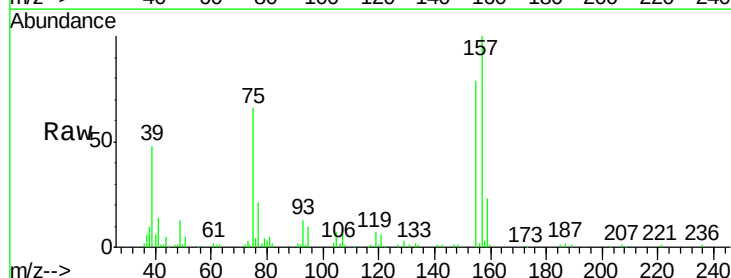
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

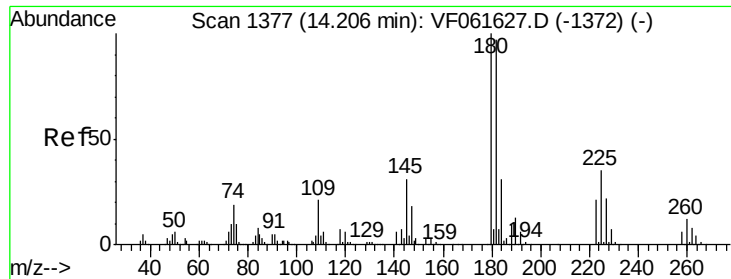
Tot Ion:146 Resp: 416230
 Ion Ratio Lower Upper
 146 100
 111 37.4 20.2 60.5
 148 66.2 32.3 96.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.501 ug/l
 RT: 13.64 min Scan# 1320
 Delta R.T. -0.00 min
 Lab File: VF061723.D
 Acq: 25 Feb 2019 11:19

Tgt Ion: 75 Resp: 24997
 Ion Ratio Lower Upper
 75 100
 155 120.2 48.9 146.8
 157 152.3 58.3 174.8

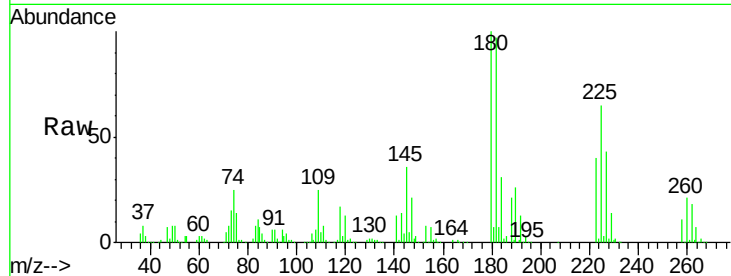




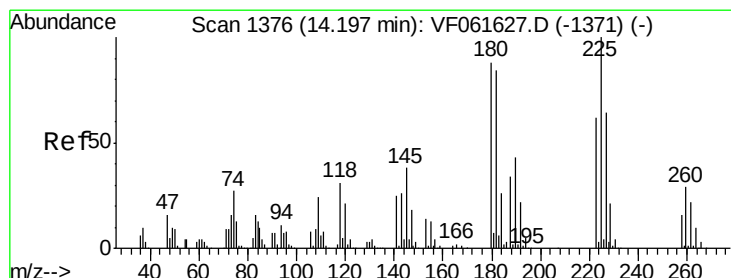
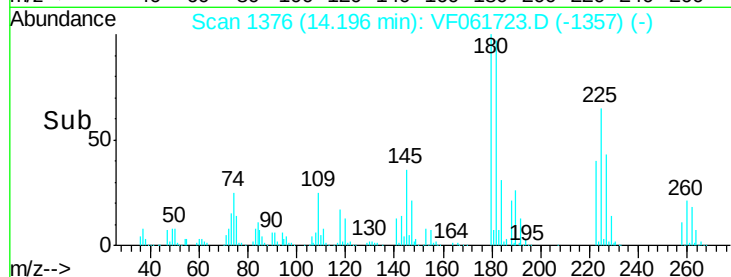
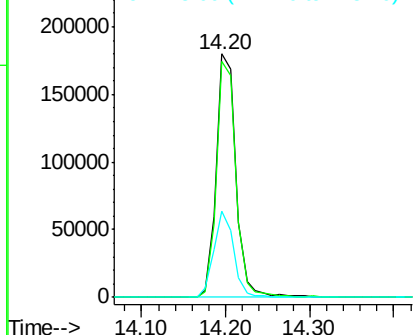
#93
 1,2,4-Trichlorobenzene
 Concen: 48.289 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. -0.01 min
 Lab File: VF061723.D
 Acq: 25 Feb 2019 11:19

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 293751
 Ion Ratio Lower Upper
 180 100
 182 96.7 48.6 145.9
 145 35.5 15.3 45.9

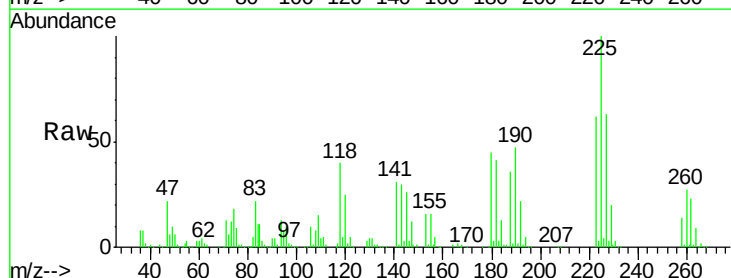


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

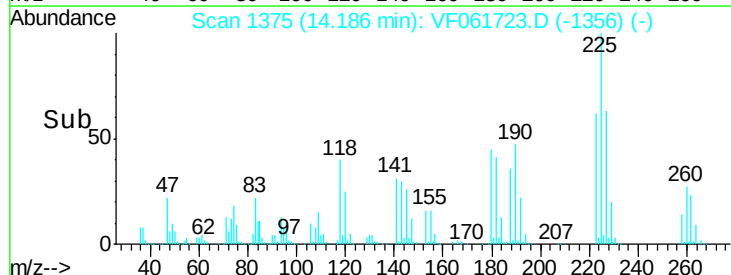
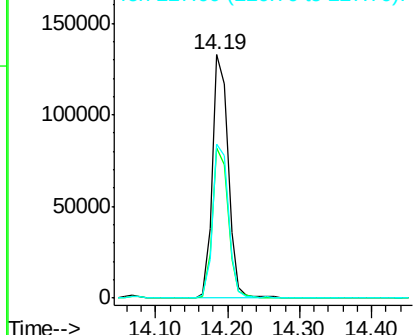


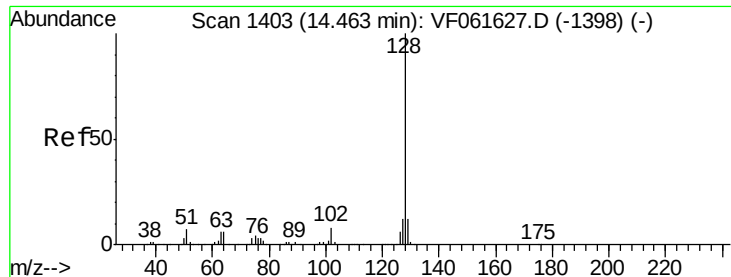
#94
 Hexachlorobutadiene
 Concen: 53.453 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.01 min
 Lab File: VF061723.D
 Acq: 25 Feb 2019 11:19

Tgt Ion:225 Resp: 200823
 Ion Ratio Lower Upper
 225 100
 223 61.8 30.9 92.7
 227 63.2 32.1 96.3



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

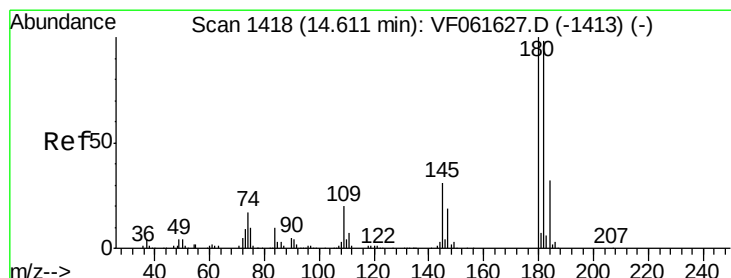
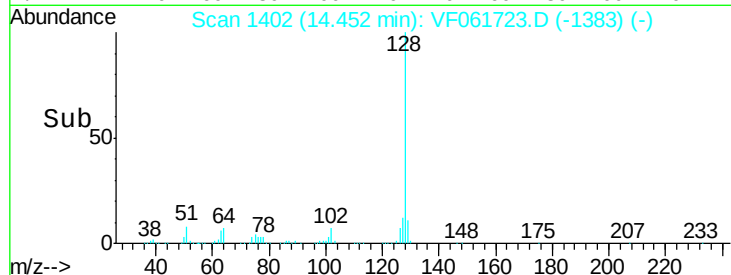
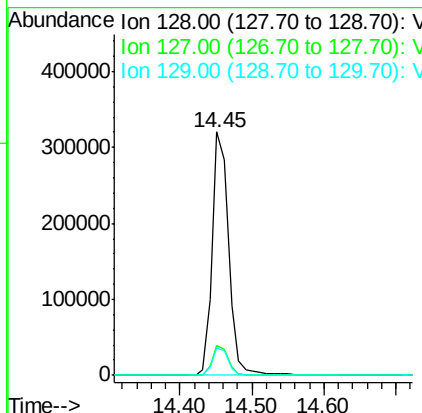
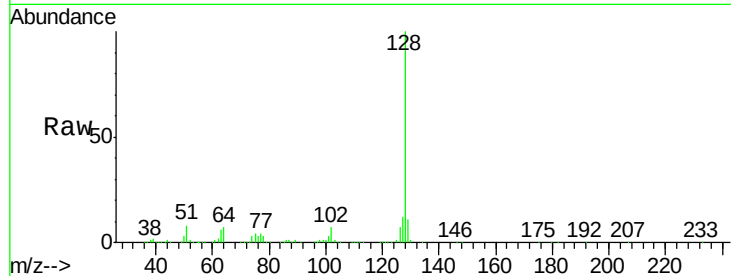




#95
Naphthalene
Concen: 47.487 ug/l
RT: 14.45 min Scan# 1402
Delta R.T. -0.01 min
Lab File: VF061723.D
Acq: 25 Feb 2019 11:19

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 505416
Ion Ratio Lower Upper
128 100
127 12.1 9.8 14.6
129 11.2 9.4 14.2



#96
1,2,3-Trichlorobenzene
Concen: 50.457 ug/l
RT: 14.60 min Scan# 1417
Delta R.T. -0.01 min
Lab File: VF061723.D
Acq: 25 Feb 2019 11:19

Tgt Ion:180 Resp: 281727
Ion Ratio Lower Upper
180 100
182 98.7 49.0 147.2
145 31.9 15.4 46.1

