

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF022519\
 Data File : VF061725.D
 Acq On : 25 Feb 2019 12:45
 Operator : VA/AP
 Sample : VF0225SBS01
 Misc : 5.00µg/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0225SBS01

Quant Time: Feb 26 04:39:43 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	340410	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.60	114	471657	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.78	117	403141	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.55	152	243396	50.00	ug/l	-0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.85	65	141802	56.81	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	113.62%	
35) Dibromofluoromethane	4.12	113	200774	57.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.64%	
50) Toluene-d8	7.55	98	562230	55.84	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	111.68%	
62) 4-Bromofluorobenzene	11.41	95	228228	56.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.95	85	102572	26.238	ug/l	98
3) Chloromethane	1.09	50	99090	24.159	ug/l	98
4) Vinyl Chloride	1.14	62	91356	23.959	ug/l	96
5) Bromomethane	1.33	94	60626	23.102	ug/l	89
6) Chloroethane	1.39	64	43831	23.326	ug/l	96
7) Trichlorofluoromethane	1.48	101	108809m	23.659	ug/l	
8) Diethyl Ether	1.63	74	26195	22.602	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	1.83	101	76999	23.208	ug/l	89
10) Methyl Iodide	1.90	142	141757m	22.368	ug/l	
11) Tert butyl alcohol	2.57	59	14795	102.410	ug/l	93
12) 1,1-Dichloroethene	1.79	96	68721	23.559	ug/l	94
13) Acrolein	2.01	56	17655	97.234	ug/l	98
14) Allyl chloride	2.10	41	78667	21.977	ug/l	93
15) Acrylonitrile	2.94	53	48558	94.759	ug/l #	83
16) Acetone	2.23	43	65578	122.441	ug/l #	89
17) Carbon Disulfide	1.82	76	211934	23.114	ug/l	96
18) Methyl Acetate	2.34	43	27249	22.584	ug/l	95
19) Methyl tert-butyl Ether	2.43	73	113198	22.707	ug/l	99
20) Methylene Chloride	2.18	84	70681m	23.281	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	65450	20.640	ug/l	98
22) Diisopropyl ether	2.80	45	190303	22.148	ug/l	98
23) Vinyl Acetate	3.19	43	427801	101.938	ug/l	99
24) 1,1-Dichloroethane	2.87	63	116884	22.479	ug/l	99
25) 2-Butanone	4.33	43	125856	107.579	ug/l	99
26) 2,2-Dichloropropane	3.60	77	55460	25.181	ug/l	95
27) cis-1,2-Dichloroethene	3.48	96	95728	23.000	ug/l	99
28) Bromochloromethane	3.71	49	50826	20.372	ug/l	94
29) Tetrahydrofuran	4.08	42	54312	102.143	ug/l	98
30) Chloroform	3.86	83	131135	22.177	ug/l	99
31) Cyclohexane	3.69	56	130486m	23.181	ug/l	
32) 1,1,1-Trichloroethane	4.10	97	93583	24.160	ug/l	93
36) 1,1-Dichloropropene	4.28	75	112447	24.067	ug/l	92
37) Ethyl Acetate	4.11	43	46525	21.438	ug/l #	85
38) Carbon Tetrachloride	3.98	117	81010	25.109	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	126112	22.822	ug/l	96
40) Benzene	4.63	78	294384	24.088	ug/l	99
41) Methacrylonitrile	4.75	41	25332	22.825	ug/l	94
42) 1,2-Dichloroethane	4.94	62	72310	24.735	ug/l	97
43) Isopropyl Acetate	6.96	43	52376	20.389	ug/l #	90
44) Trichloroethene	5.50	130	91779	23.223	ug/l	98
45) 1,2-Dichloropropane	6.24	63	66423	22.485	ug/l	97
46) Dibromomethane	6.09	93	43591	23.966	ug/l	89
47) Bromodichloromethane	6.39	83	91189	22.894	ug/l	96
48) Methyl methacrylate	6.72	41	33022	21.361	ug/l	90
49) 1,4-Dioxane	6.70	88	5748	395.537	ug/l	91
51) 4-Methyl-2-Pentanone	8.26	43	210071	114.449	ug/l	98
52) Toluene	7.63	92	166146	22.416	ug/l	95
53) t-1,3-Dichloropropene	8.28	75	79298	23.921	ug/l	98
54) cis-1,3-Dichloropropene	7.30	75	112002	25.365	ug/l	96
55) 1,1,2-Trichloroethane	8.50	97	48628	22.330	ug/l	95
56) Ethyl methacrylate	8.61	69	53971	22.260	ug/l	95
57) 1,3-Dichloropropane	8.85	76	84300	23.192	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.29	63	36033	86.136	ug/l	97
59) 2-Hexanone	9.49	43	153059	118.960	ug/l	96
60) Dibromochloromethane	8.71	129	70673	23.316	ug/l	99
61) 1,2-Dibromoethane	8.99	107	56713	24.010	ug/l	88
64) Tetrachloroethene	8.15	164	82950	25.173	ug/l	98
65) Chlorobenzene	9.80	112	185604	22.688	ug/l	96
66) 1,1,1,2-Tetrachloroethane	9.94	131	81458	25.411	ug/l	99
67) Ethyl Benzene	9.90	91	327666	24.085	ug/l	97
68) m/p-Xylenes	10.13	106	262610	50.438	ug/l	97
69) o-Xylene	10.71	106	130325	23.458	ug/l	95
70) Styrene	10.79	104	185321	23.579	ug/l	98
71) Bromoform	10.77	173	42808	24.592	ug/l	99
73) Isopropylbenzene	11.13	105	385986	22.274	ug/l	98
74) N-amyl acetate	11.38	43	93070	22.375	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.69	83	66030	21.268	ug/l	94
76) 1,2,3-Trichloropropane	11.79	75	43871	20.784	ug/l	99
77) Bromobenzene	11.49	156	94112	21.983	ug/l	95
78) n-propylbenzene	11.59	91	444674	22.361	ug/l	98
79) 2-Chlorotoluene	11.72	91	260783	23.416	ug/l	97
80) 1,3,5-Trimethylbenzene	11.83	105	311258	22.473	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.87	75	21892m	21.634	ug/l	
82) 4-Chlorotoluene	11.90	91	253835	21.959	ug/l	95
83) tert-Butylbenzene	12.13	119	336538	21.938	ug/l	98
84) 1,2,4-Trimethylbenzene	12.20	105	317455	23.071	ug/l	98
85) sec-Butylbenzene	12.30	105	458290	23.102	ug/l	95
86) p-Isopropyltoluene	12.46	119	383388	23.028	ug/l	98
87) 1,3-Dichlorobenzene	12.47	146	192537	23.069	ug/l	97
88) 1,4-Dichlorobenzene	12.57	146	185064	23.056	ug/l	98
89) n-Butylbenzene	12.84	91	370588	23.573	ug/l	97
90) Hexachloroethane	12.91	117	89791	23.189	ug/l	87
91) 1,2-Dichlorobenzene	12.94	146	180414	22.727	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.64	75	10397	21.122	ug/l	68

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F021319S.M
Quant Title : SW846 8260
QLast Update : Thu Feb 14 03:27:56 2019
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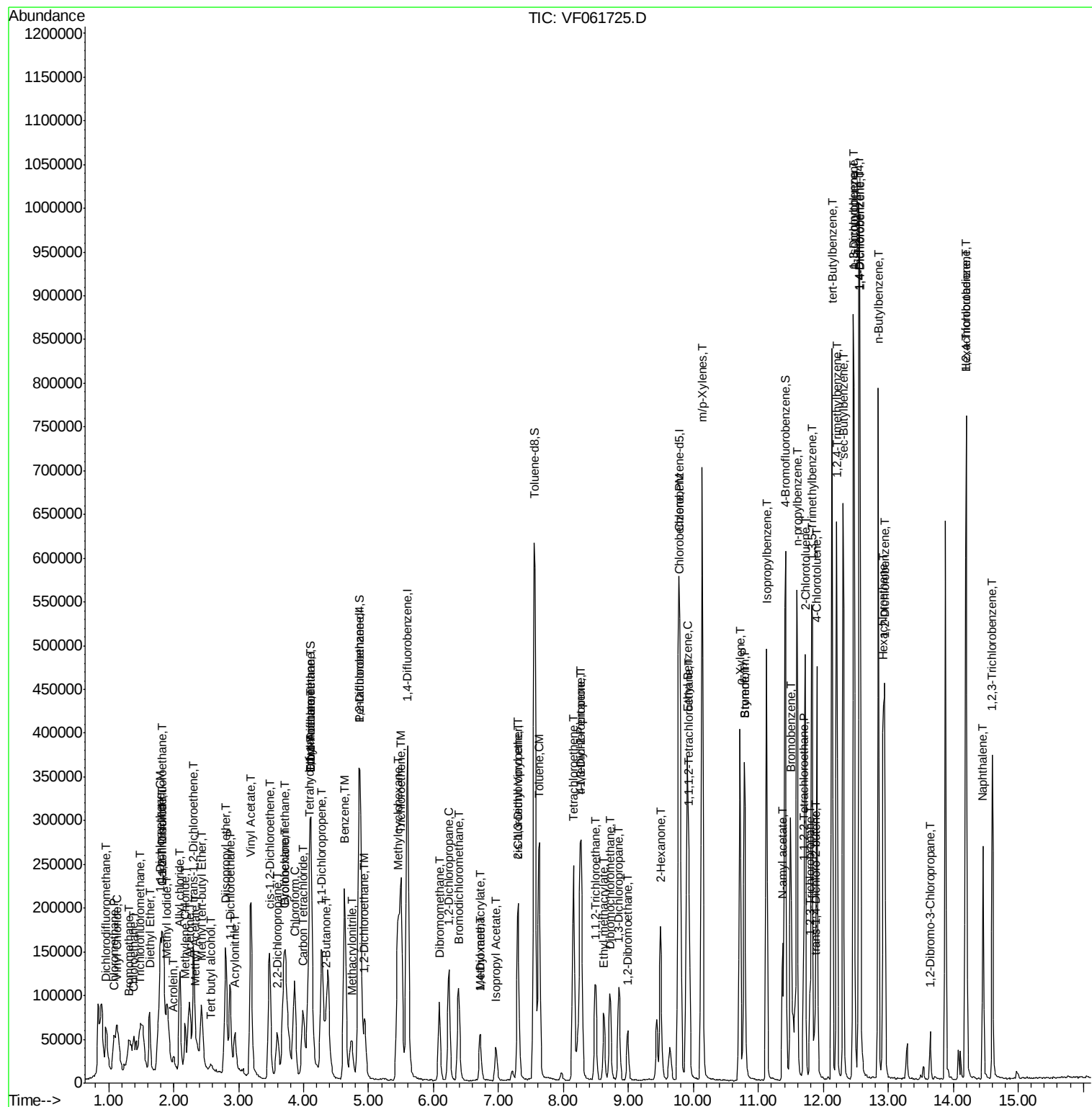
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	134107	23.568	ug/l	97
94) Hexachlorobutadiene	14.19	225	83317	23.709	ug/l	99
95) Naphthalene	14.45	128	212213	21.316	ug/l	99
96) 1,2,3-Trichlorobenzene	14.60	180	114452	21.915	ug/l	96

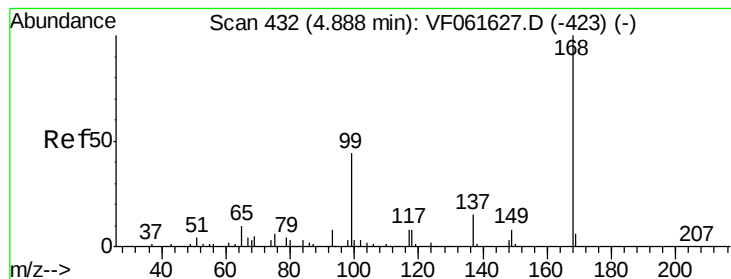
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Acq On : 25 Feb 2019 12:45
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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: VF061725.D

Acq: 25 Feb 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

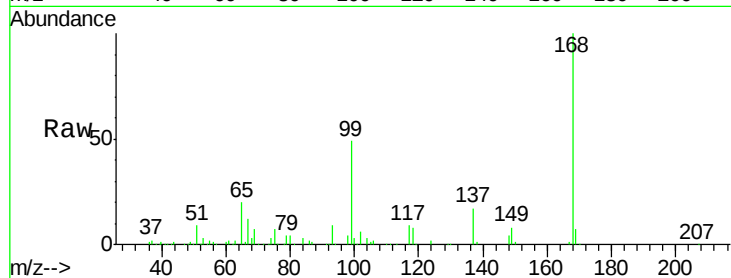
VF0225SBS01

Tot Ion:168 Resp: 340410

Ion Ratio Lower Upper

168 100

99 48.9 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

120000

100000

80000

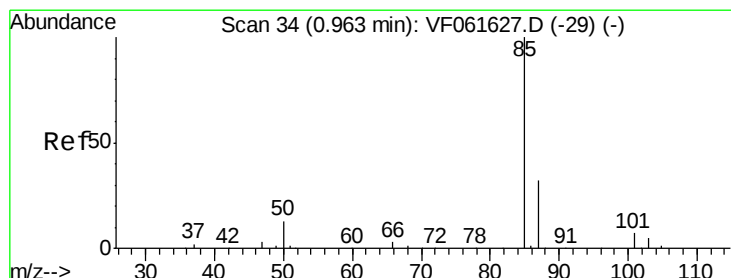
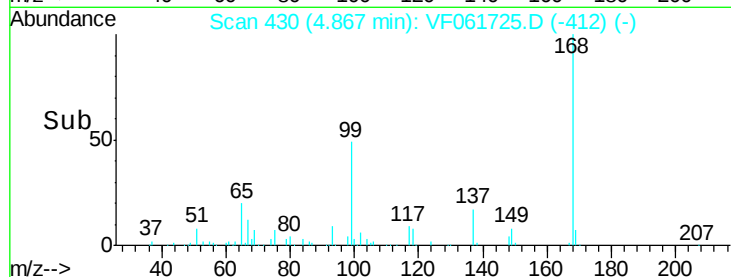
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 26.238 ug/l

RT: 0.95 min Scan# 33

Delta R.T. -0.01 min

Lab File: VF061725.D

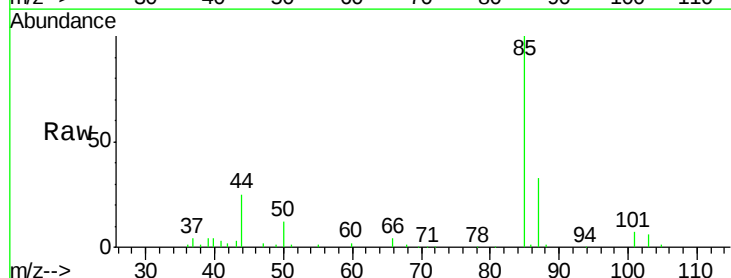
Acq: 25 Feb 2019 12:45

Tgt Ion: 85 Resp: 102572

Ion Ratio Lower Upper

85 100

87 33.5 16.1 48.2



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.95

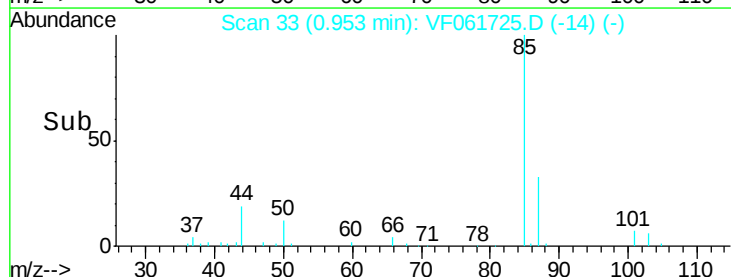
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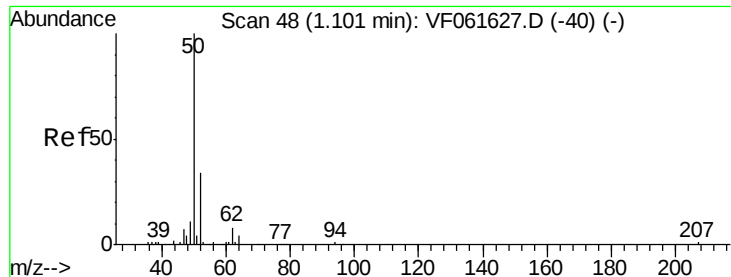
20000

10000

0

Time-->





#3

Chloromethane

Concen: 24.159 ug/l

RT: 1.09 min Scan# 47

Delta R.T. -0.01 min

Lab File: VF061725.D

Acq: 25 Feb 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

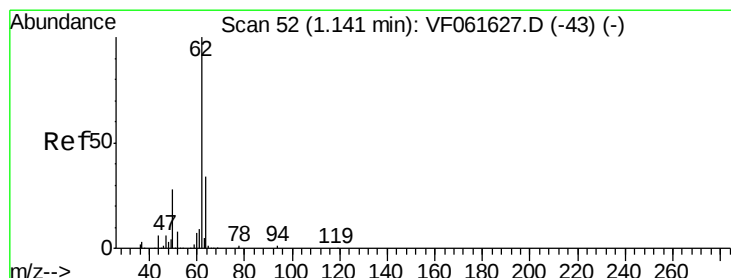
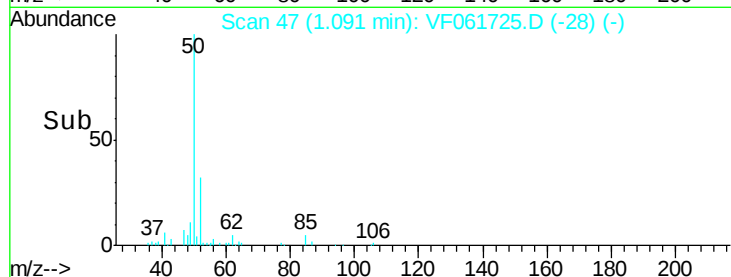
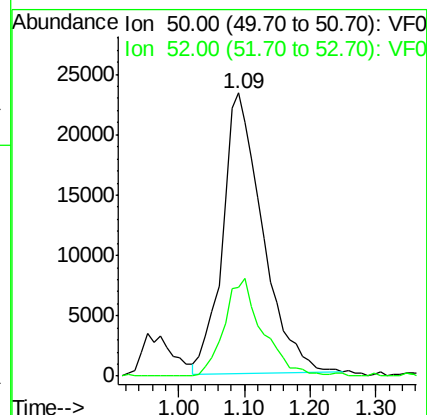
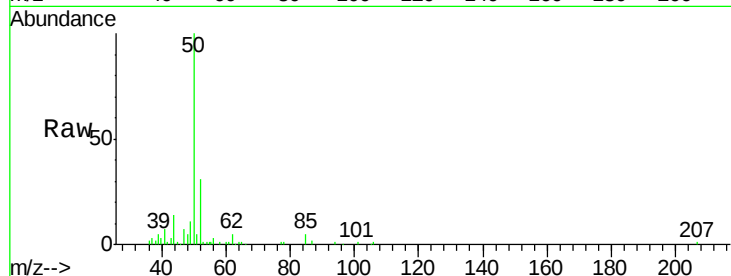
VF0225SBS01

Tot Ion: 50 Resp: 99090

Ion Ratio Lower Upper

50 100

52 31.5 26.2 39.4



#4

Vinyl Chloride

Concen: 23.959 ug/l

RT: 1.14 min Scan# 52

Delta R.T. -0.00 min

Lab File: VF061725.D

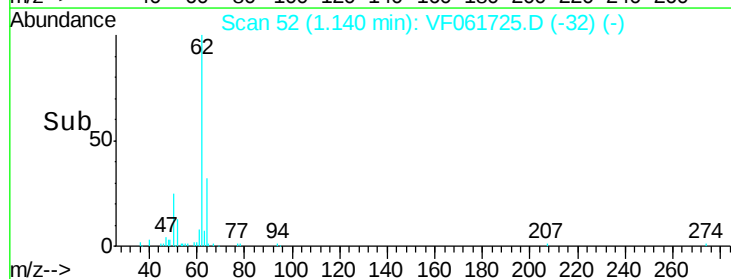
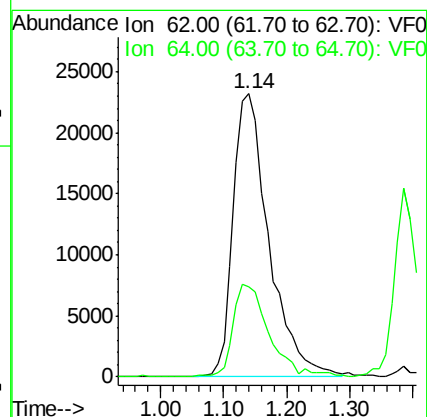
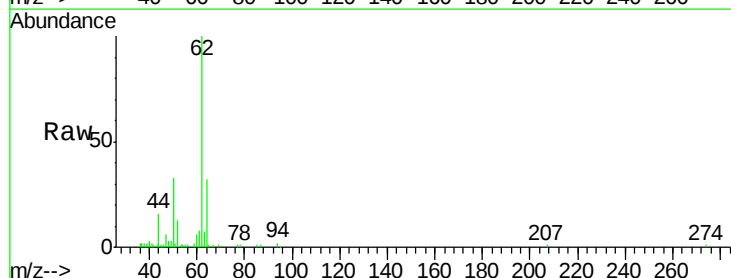
Acq: 25 Feb 2019 12:45

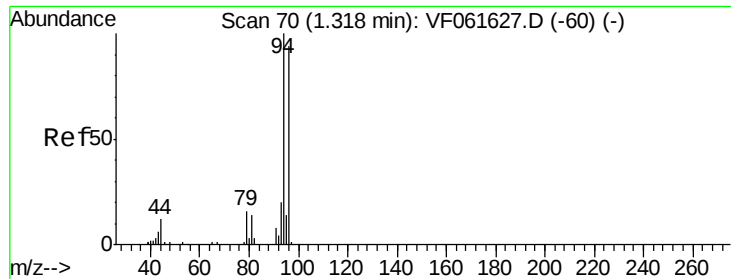
Tgt Ion: 62 Resp: 91356

Ion Ratio Lower Upper

62 100

64 31.8 27.5 41.3





#5

Bromomethane

Concen: 23.102 ug/l

RT: 1.33 min Scan# 71

Delta R.T. 0.01 min

Lab File: VF061725.D

Acq: 25 Feb 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

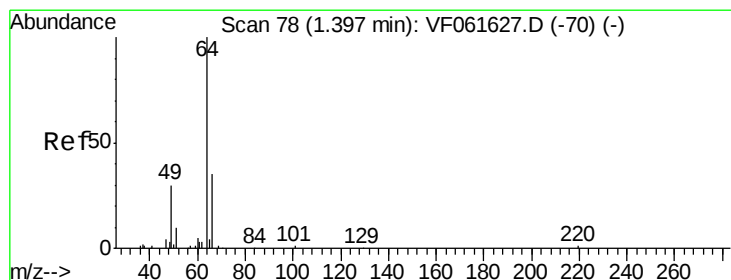
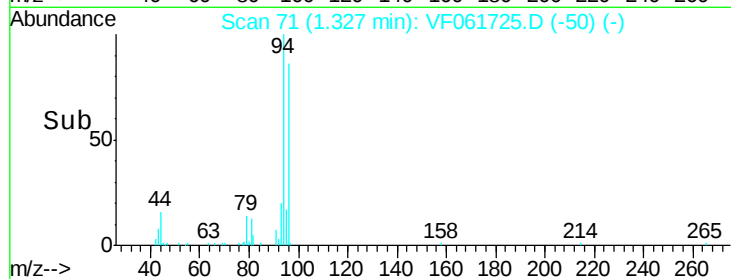
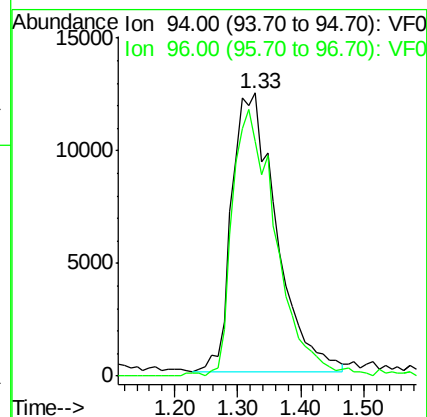
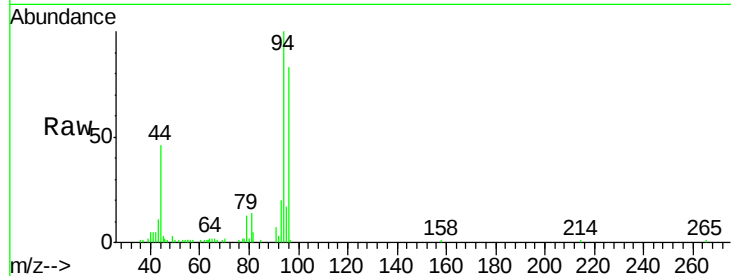
VF0225SBS01

Tot Ion: 94 Resp: 60626

Ion Ratio Lower Upper

94 100

96 83.1 74.6 112.0



#6

Chloroethane

Concen: 23.326 ug/l

RT: 1.39 min Scan# 77

Delta R.T. -0.01 min

Lab File: VF061725.D

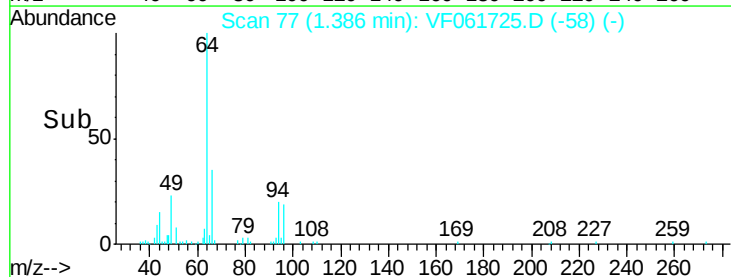
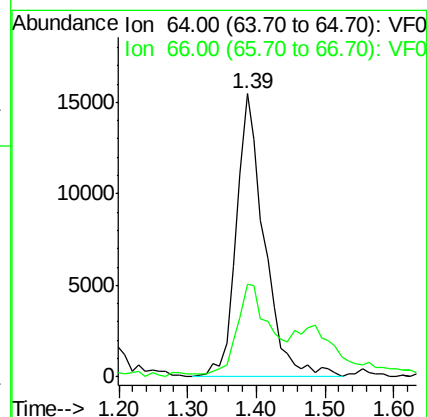
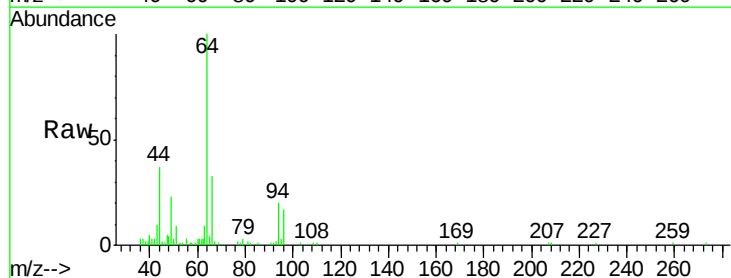
Acq: 25 Feb 2019 12:45

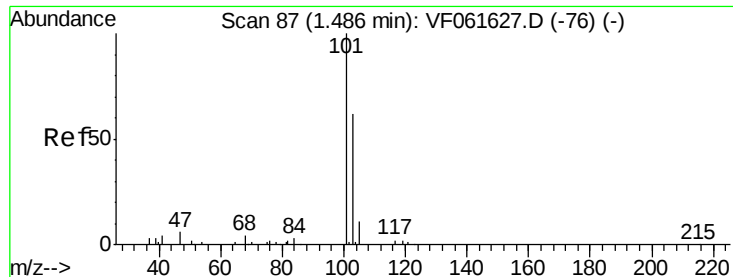
Tgt Ion: 64 Resp: 43831

Ion Ratio Lower Upper

64 100

66 32.7 27.9 41.9



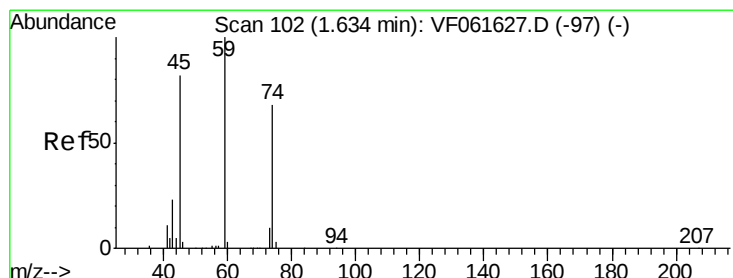
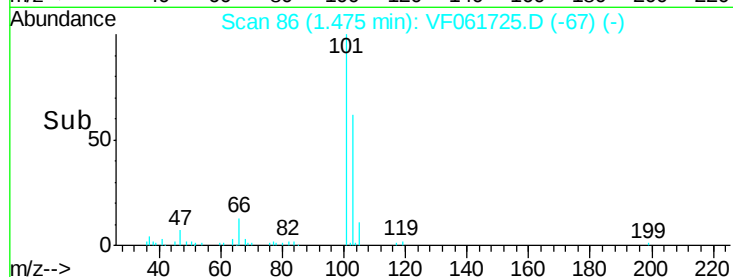
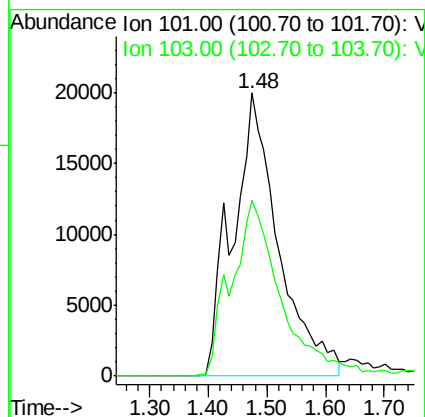
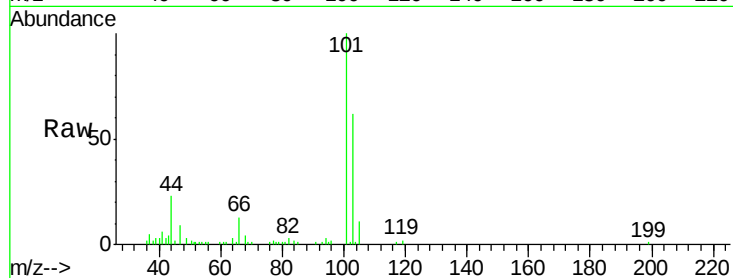


#7

Trichlorofluoromethane
Concen: 23.659 ug/l m
RT: 1.48 min Scan# 86
Delta R.T. -0.01 min
Lab File: VF061725.D
Acq: 25 Feb 2019 12:45

Instrument :
MSVOA_F
ClientSampleId :
VF0225SBS01

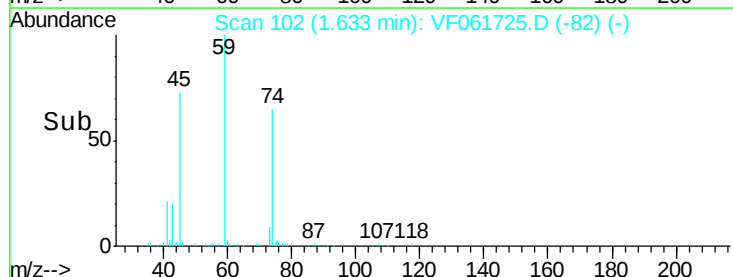
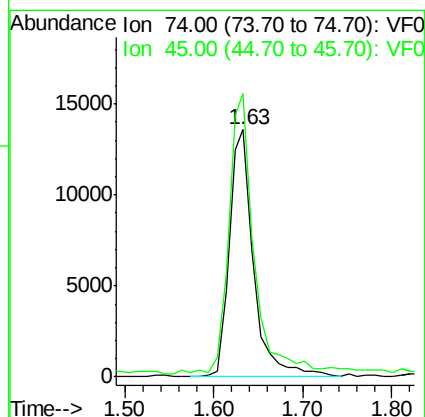
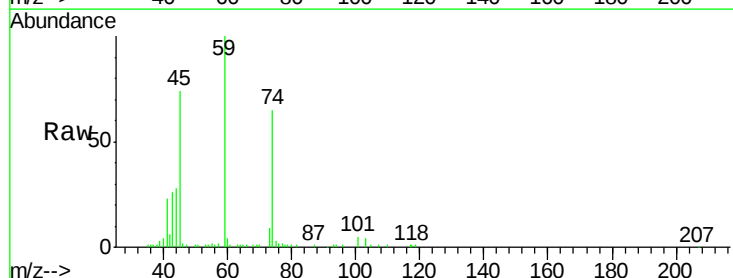
Tot Ion:101 Resp: 108809
Ion Ratio Lower Upper
101 100
103 62.3 49.3 73.9

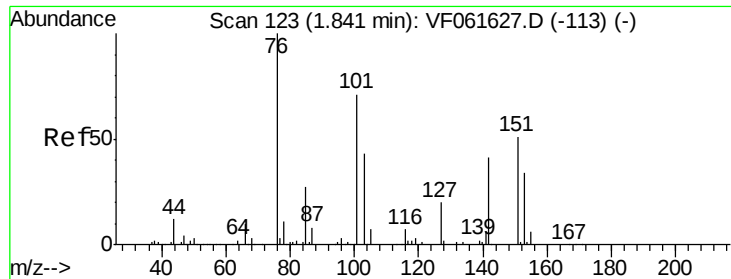


#8

Diethyl Ether
Concen: 22.602 ug/l
RT: 1.63 min Scan# 102
Delta R.T. -0.00 min
Lab File: VF061725.D
Acq: 25 Feb 2019 12:45

Tgt Ion: 74 Resp: 26195
Ion Ratio Lower Upper
74 100
45 114.4 60.8 182.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.208 ug/l

RT: 1.83 min Scan# 122

Delta R.T. -0.01 min

Lab File: VF061725.D

Acq: 25 Feb 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

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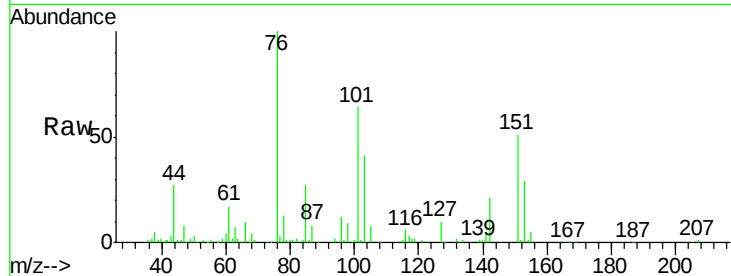
Tot Ion:101 Resp: 76999

Ion Ratio Lower Upper

101 100

85 41.9 29.8 44.6

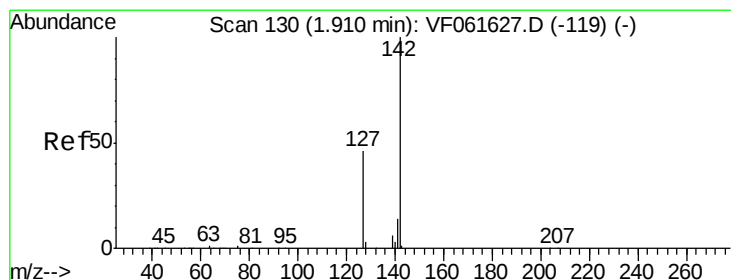
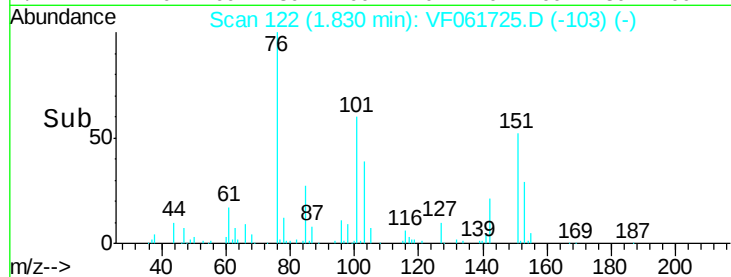
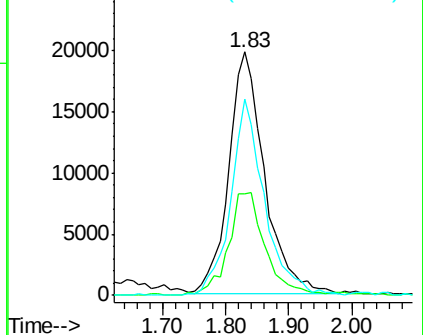
151 80.7 56.3 84.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 22.368 ug/l m

RT: 1.90 min Scan# 129

Delta R.T. -0.01 min

Lab File: VF061725.D

Acq: 25 Feb 2019 12:45

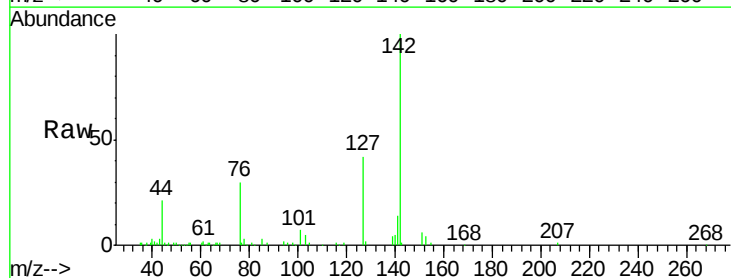
Tgt Ion:142 Resp: 141757

Ion Ratio Lower Upper

142 100

127 42.2 36.6 55.0

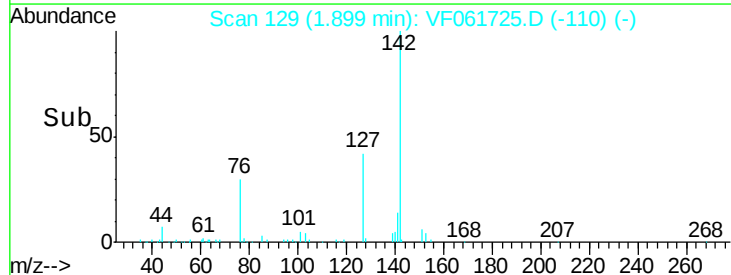
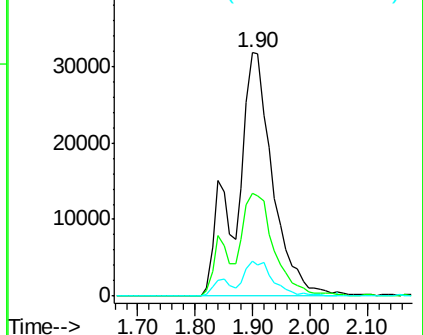
141 14.3 11.0 16.6

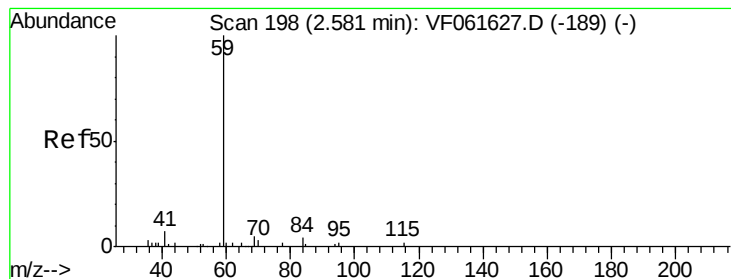


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



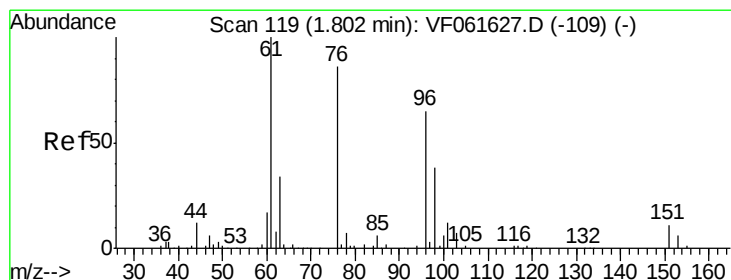
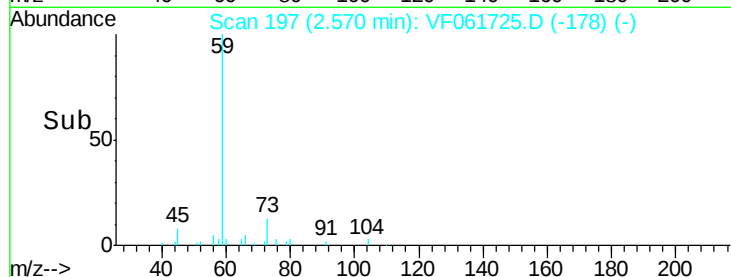
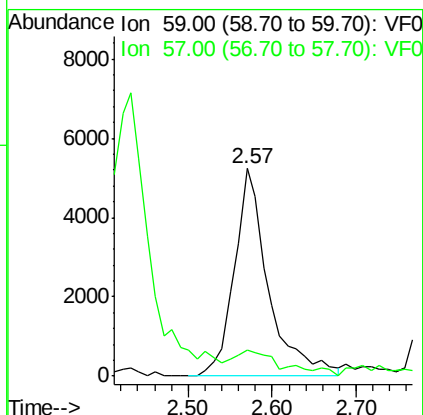
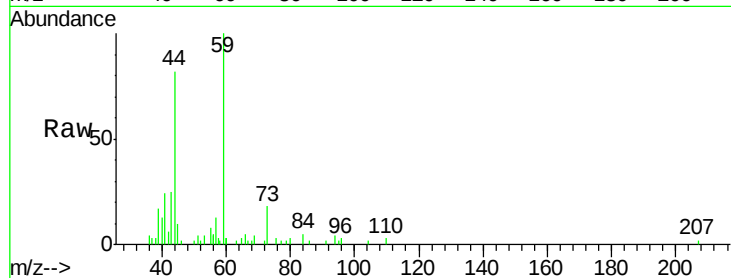


#11

Tert butyl alcohol
 Concen: 102.410 ug/l
 RT: 2.57 min Scan# 197
 Delta R.T. -0.01 min
 Lab File: VF061725.D
 Acq: 25 Feb 2019 12:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0225SBS01

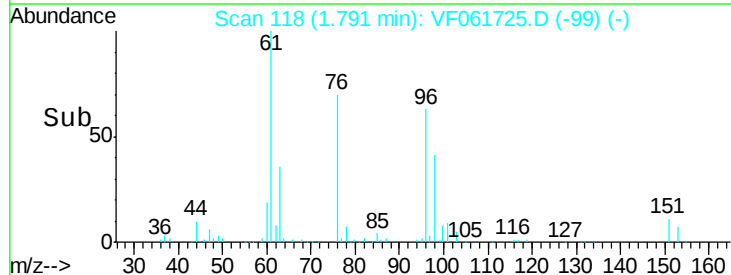
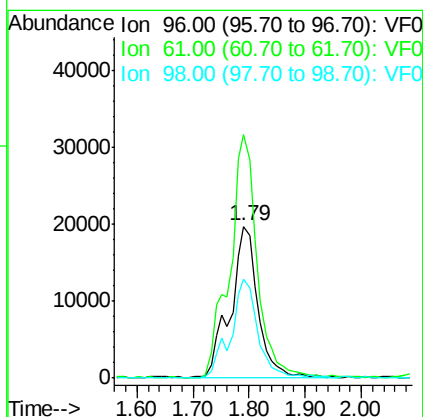
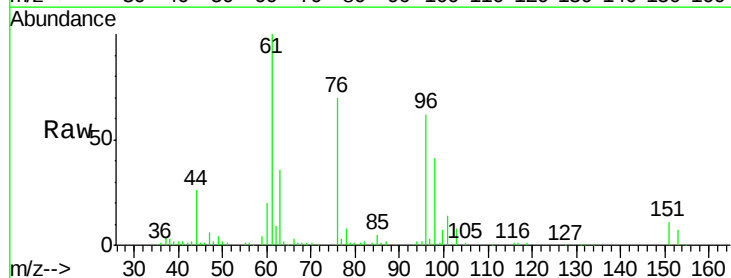
Tot Ion: 59 Resp: 14795
 Ion Ratio Lower Upper
 59 100
 57 12.6 12.5 18.7

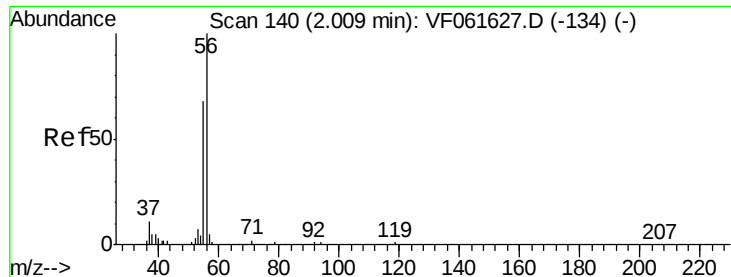


#12

1,1-Dichloroethene
 Concen: 23.559 ug/l
 RT: 1.79 min Scan# 118
 Delta R.T. -0.01 min
 Lab File: VF061725.D
 Acq: 25 Feb 2019 12:45

Tgt Ion: 96 Resp: 68721
 Ion Ratio Lower Upper
 96 100
 61 160.2 122.6 184.0
 98 65.2 47.2 70.8





#13

Acrolein

Concen: 97.234 ug/l

RT: 2.01 min Scan# 140

Delta R.T. -0.00 min

Lab File: VF061725.D

Acq: 25 Feb 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

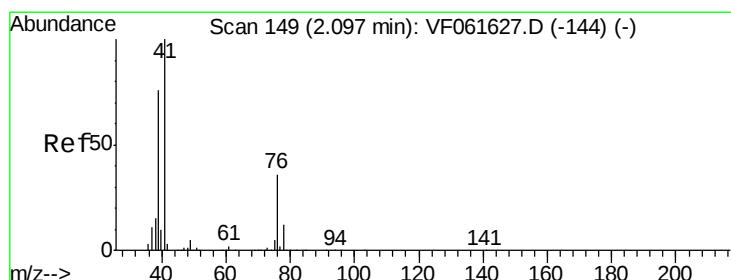
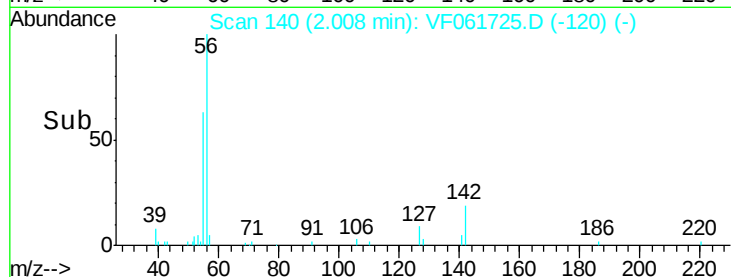
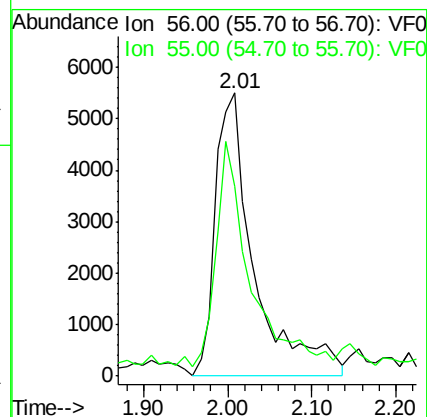
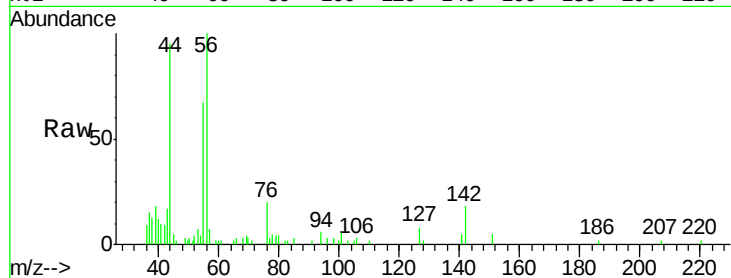
VF0225SBS01

Tot Ion: 56 Resp: 17655

Ion Ratio Lower Upper

56 100

55 67.0 55.0 82.6



#14

Allyl chloride

Concen: 21.977 ug/l

RT: 2.10 min Scan# 149

Delta R.T. -0.00 min

Lab File: VF061725.D

Acq: 25 Feb 2019 12:45

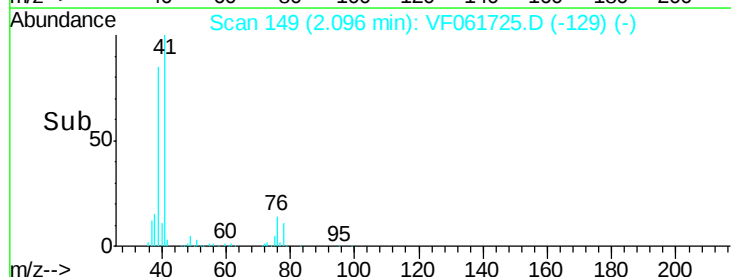
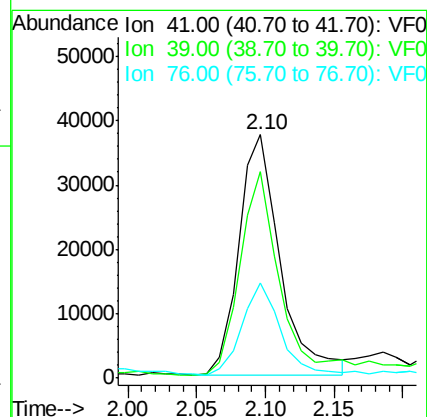
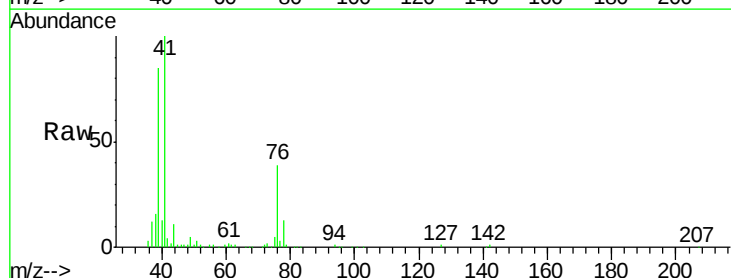
Tgt Ion: 41 Resp: 78667

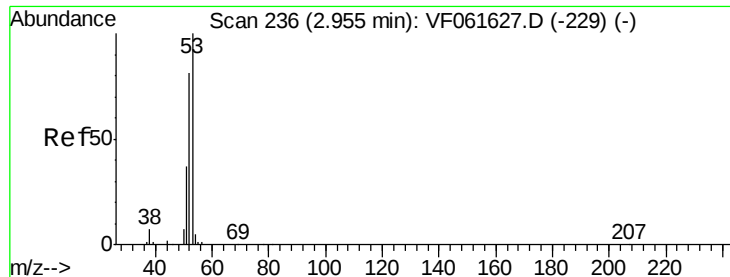
Ion Ratio Lower Upper

41 100

39 84.8 61.6 92.4

76 39.2 30.3 45.5





#15

Acrylonitrile

Concen: 94.759 ug/l

RT: 2.94 min Scan# 235

Delta R.T. -0.01 min

Lab File: VF061725.D

Acq: 25 Feb 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

VF0225SBS01

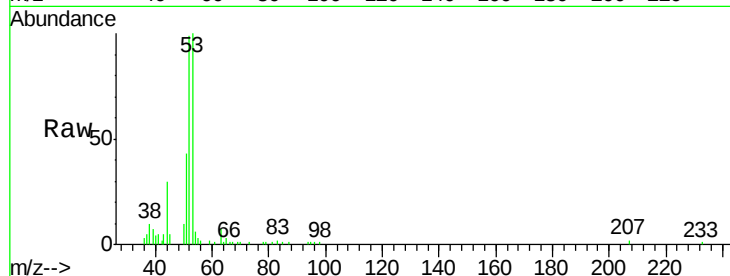
Tot Ion: 53 Resp: 48558

Ion Ratio Lower Upper

53 100

52 99.5 64.6 97.0#

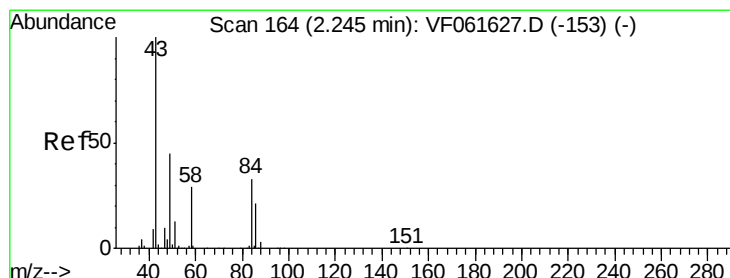
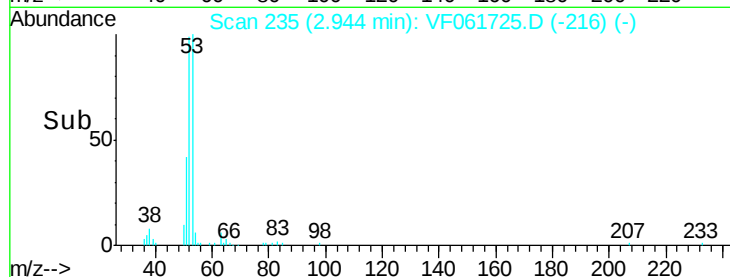
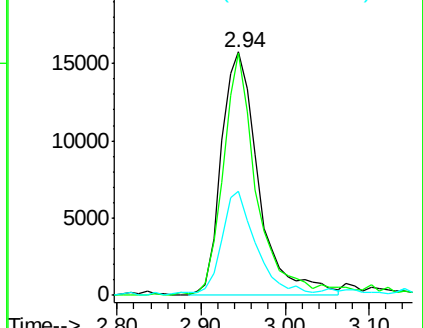
51 42.6 29.8 44.8



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: 122.441 ug/l

RT: 2.23 min Scan# 163

Delta R.T. -0.01 min

Lab File: VF061725.D

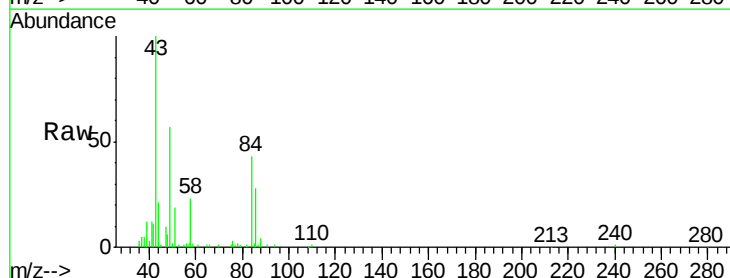
Acq: 25 Feb 2019 12:45

Tgt Ion: 43 Resp: 65578

Ion Ratio Lower Upper

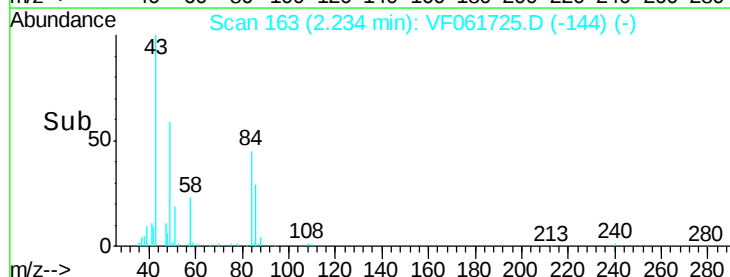
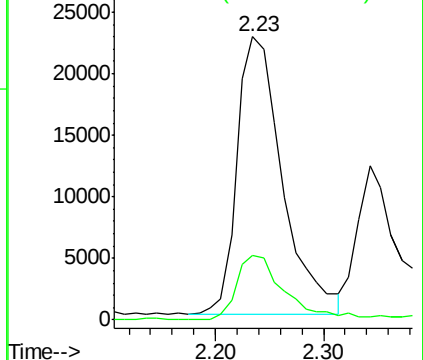
43 100

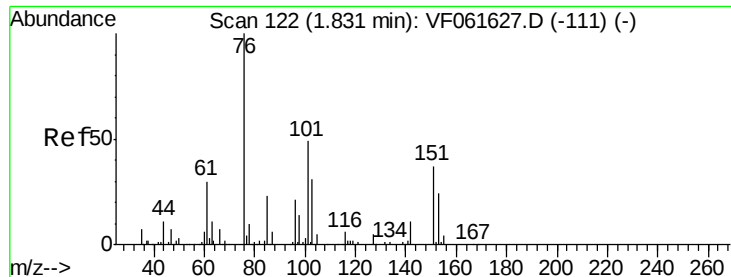
58 22.7 22.9 34.3#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

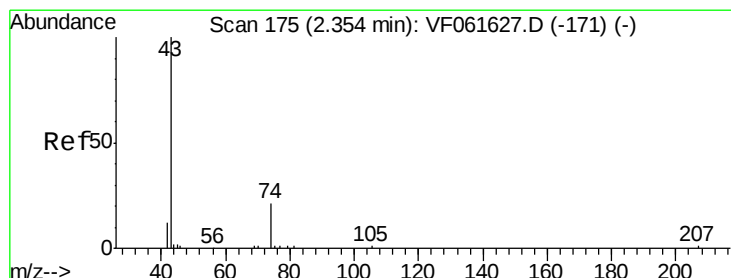
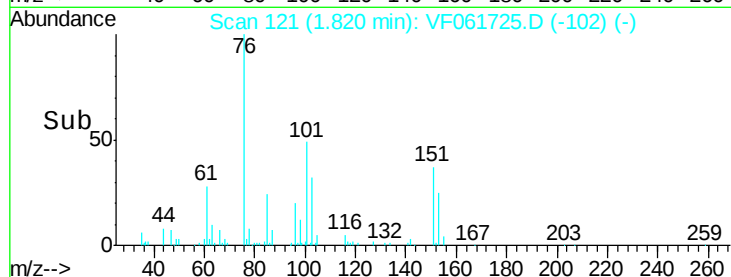
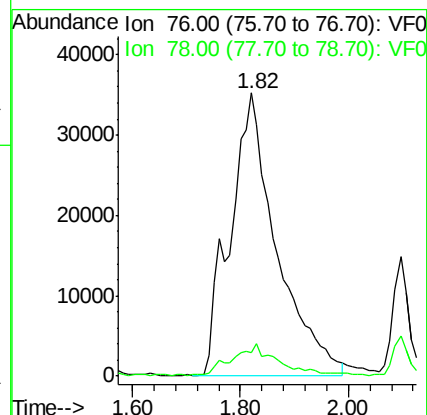
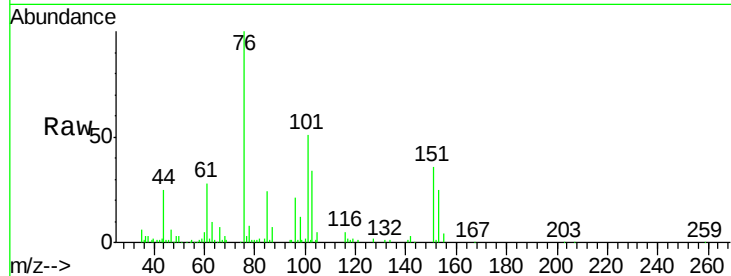




#17
Carbon Disulfide
Concen: 23.114 ug/l
RT: 1.82 min Scan# 121
Delta R.T. -0.01 min
Lab File: VF061725.D
Acq: 25 Feb 2019 12:45

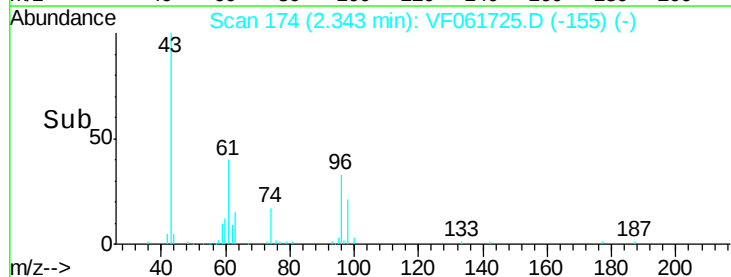
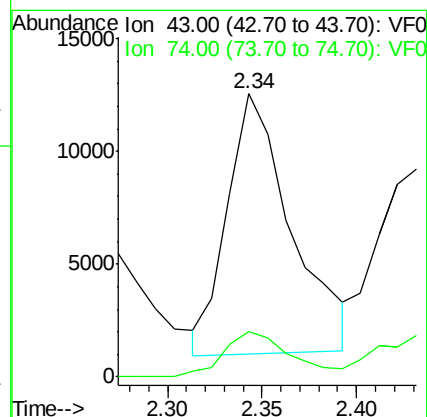
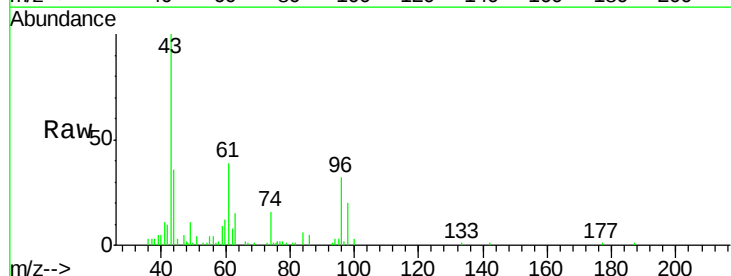
Instrument :
MSVOA_F
ClientSampleId :
VF0225SBS01

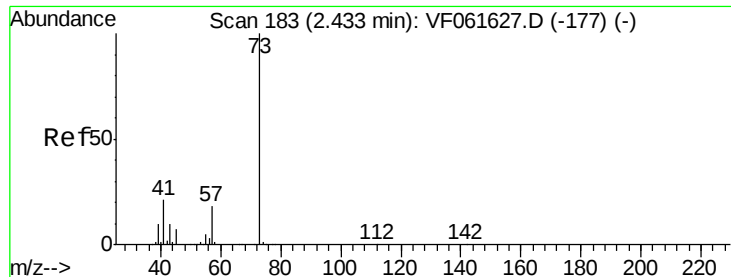
Tot Ion: 76 Resp: 211934
Ion Ratio Lower Upper
76 100
78 8.5 7.9 11.9



#18
Methyl Acetate
Concen: 22.584 ug/l
RT: 2.34 min Scan# 174
Delta R.T. -0.01 min
Lab File: VF061725.D
Acq: 25 Feb 2019 12:45

Tgt Ion: 43 Resp: 27249
Ion Ratio Lower Upper
43 100
74 16.1 14.6 21.8



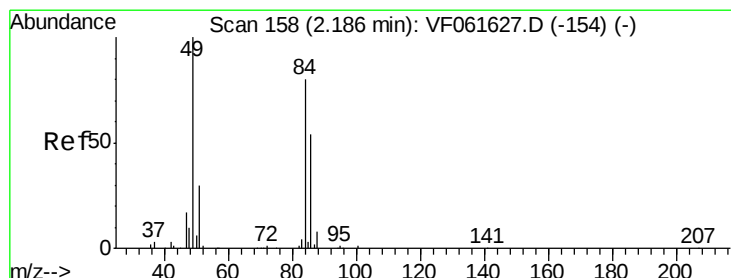
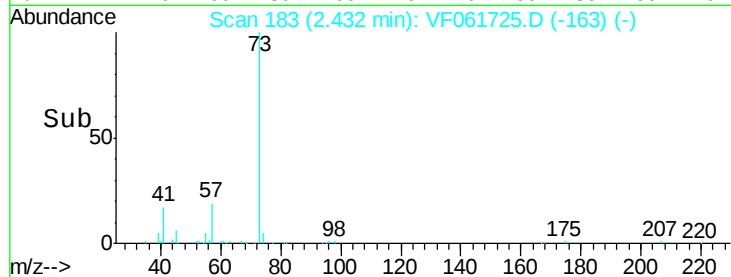
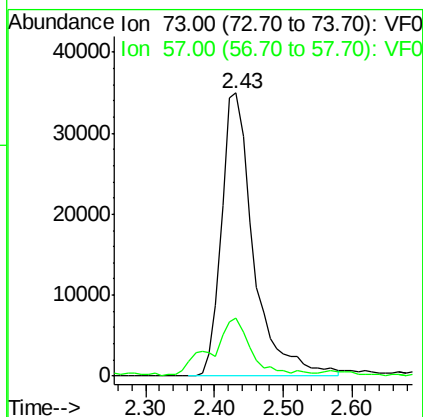
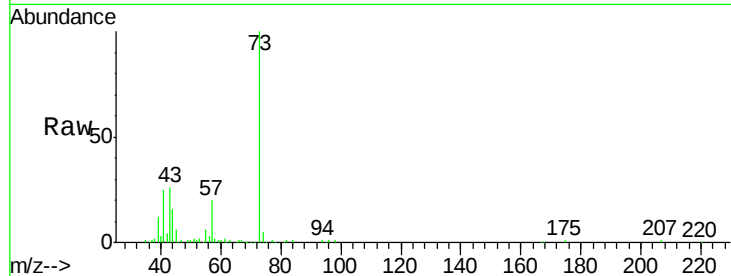


#19

Methyl tert-butyl Ether
 Concen: 22.707 ug/l
 RT: 2.43 min Scan# 183
 Delta R.T. -0.00 min
 Lab File: VF061725.D
 Acq: 25 Feb 2019 12:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0225SBS01

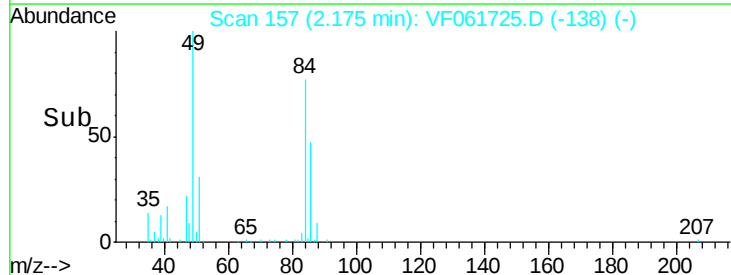
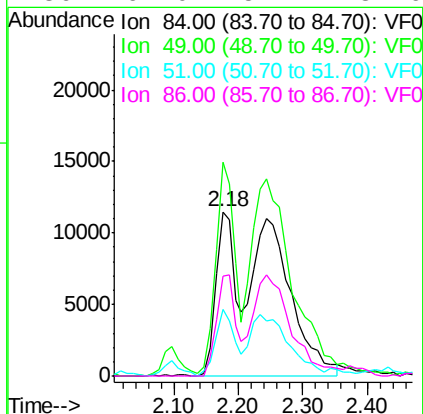
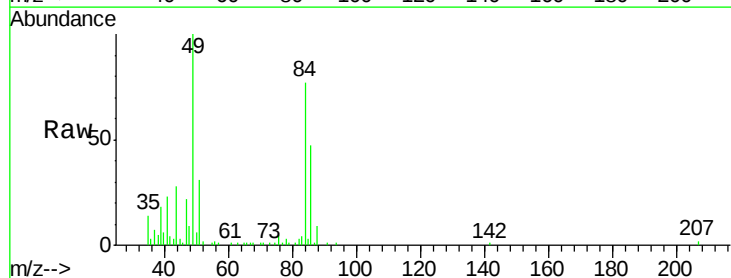
Tot Ion: 73 Resp: 113198
 Ion Ratio Lower Upper
 73 100
 57 20.4 15.8 23.8

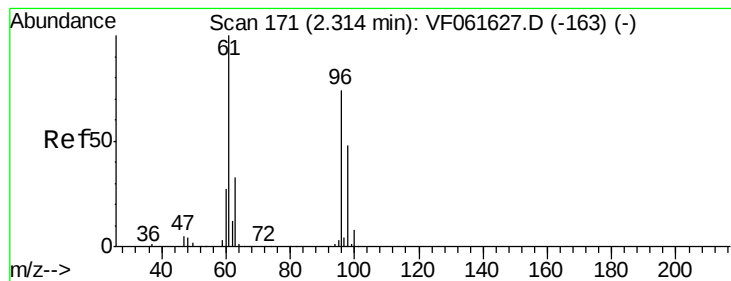


#20

Methylene Chloride
 Concen: 23.281 ug/l m
 RT: 2.18 min Scan# 157
 Delta R.T. -0.01 min
 Lab File: VF061725.D
 Acq: 25 Feb 2019 12:45

Tgt Ion: 84 Resp: 70681
 Ion Ratio Lower Upper
 84 100
 49 130.3 101.8 152.8
 51 40.9 31.1 46.7
 86 61.0 54.4 81.6





#21

trans-1,2-Dichloroethene

Concen: 20.640 ug/l

RT: 2.31 min Scan# 171

Delta R.T. -0.00 min

Lab File: VF061725.D

Acq: 25 Feb 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

VF0225SBS01

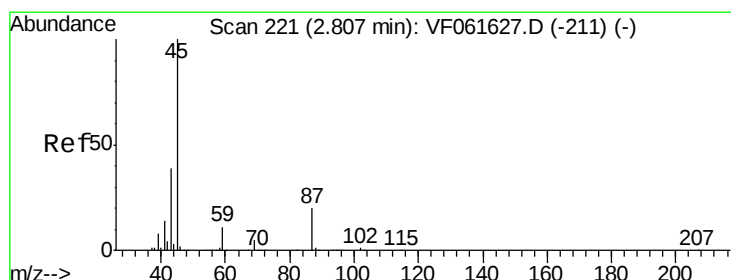
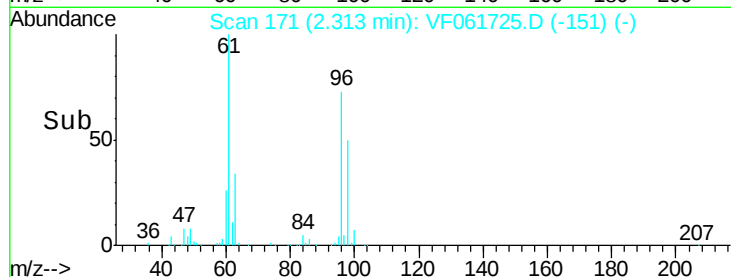
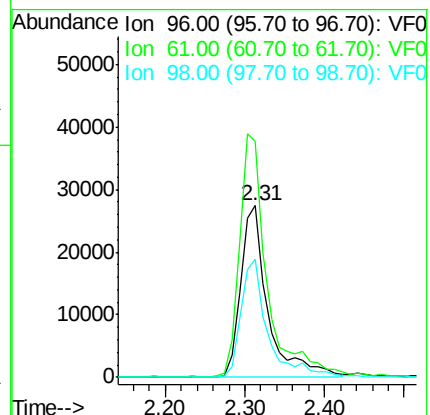
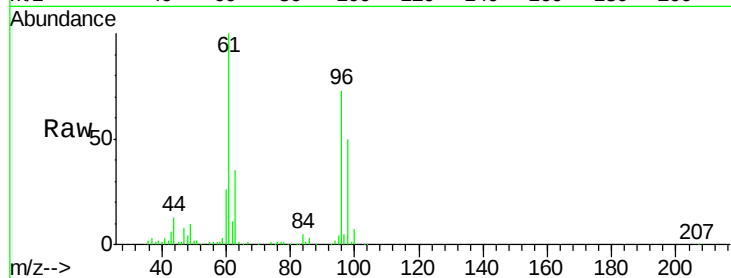
Tot Ion: 96 Resp: 65450

Ion Ratio Lower Upper

96 100

61 137.2 108.2 162.4

98 68.6 52.2 78.2



#22

Diisopropyl ether

Concen: 22.148 ug/l

RT: 2.80 min Scan# 220

Delta R.T. -0.01 min

Lab File: VF061725.D

Acq: 25 Feb 2019 12:45

Tgt Ion: 45 Resp: 190303

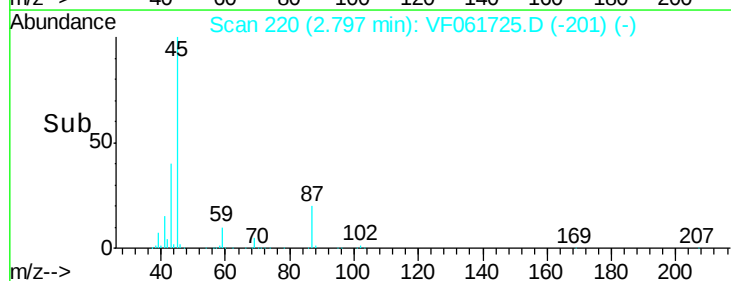
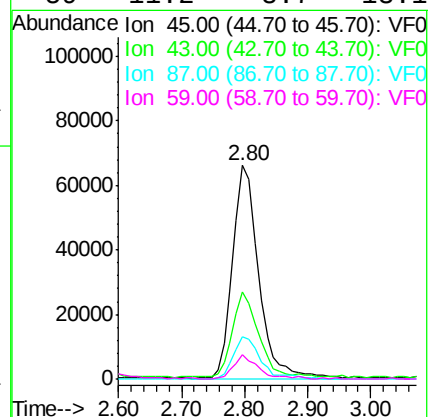
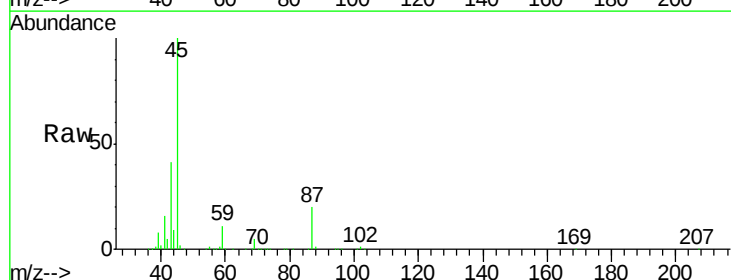
Ion Ratio Lower Upper

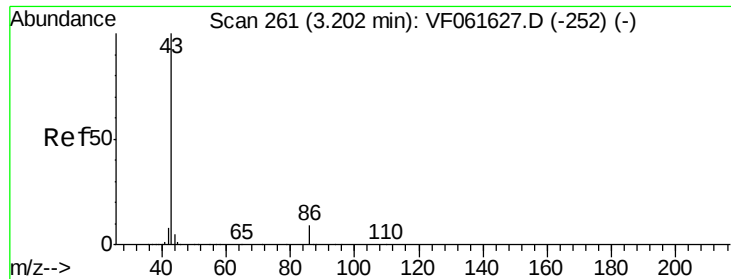
45 100

43 40.9 31.4 47.2

87 19.9 16.3 24.5

59 11.2 8.7 13.1





#23

Vinyl Acetate

Concen: 101.938 ug/l

RT: 3.19 min Scan# 260

Delta R.T. -0.01 min

Lab File: VF061725.D

Acq: 25 Feb 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

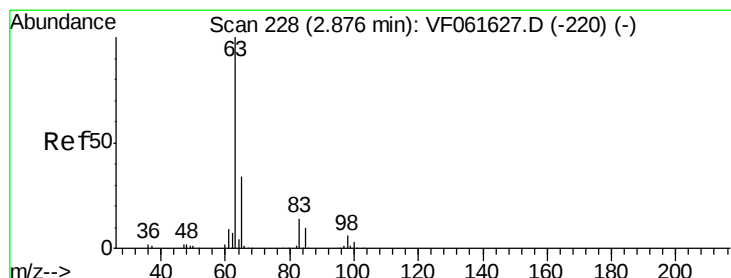
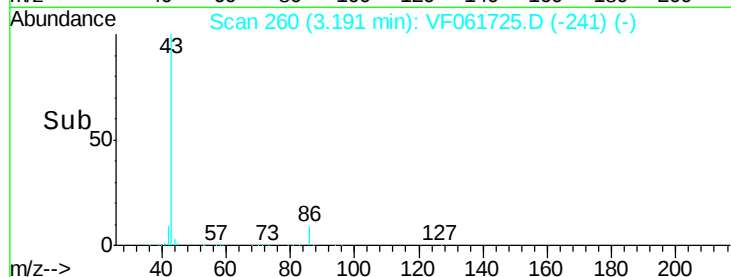
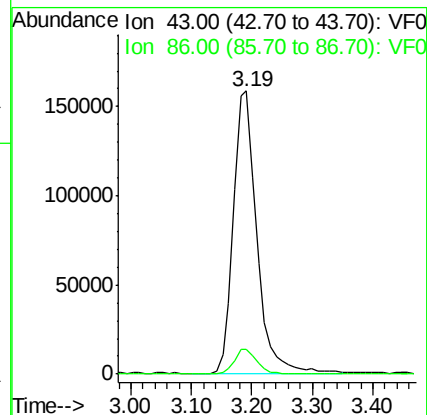
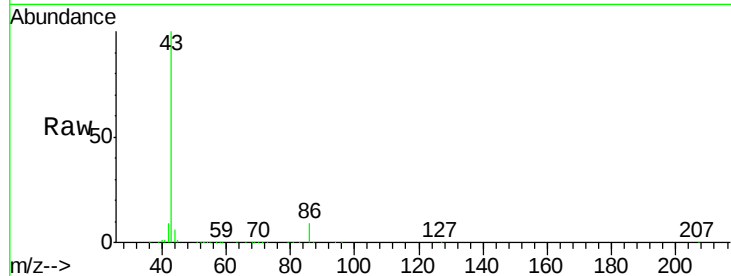
VF0225SBS01

Tot Ion: 43 Resp: 427801

Ion Ratio Lower Upper

43 100

86 8.9 7.5 11.3



#24

1,1-Dichloroethane

Concen: 22.479 ug/l

RT: 2.87 min Scan# 227

Delta R.T. -0.01 min

Lab File: VF061725.D

Acq: 25 Feb 2019 12:45

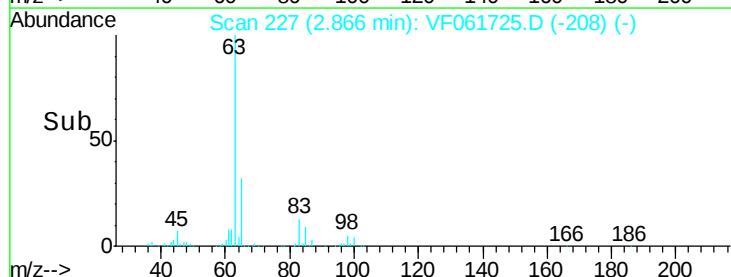
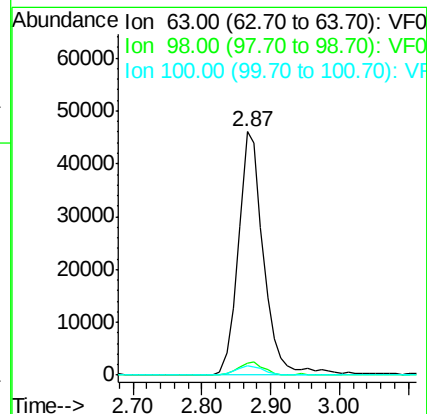
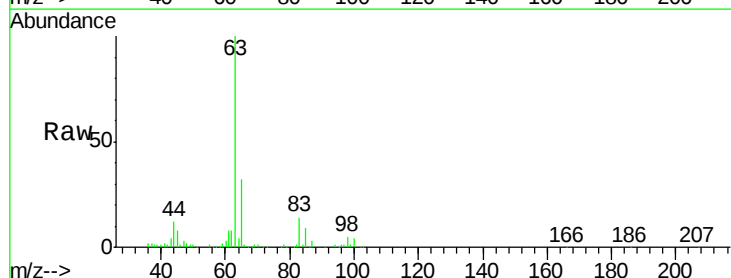
Tgt Ion: 63 Resp: 116884

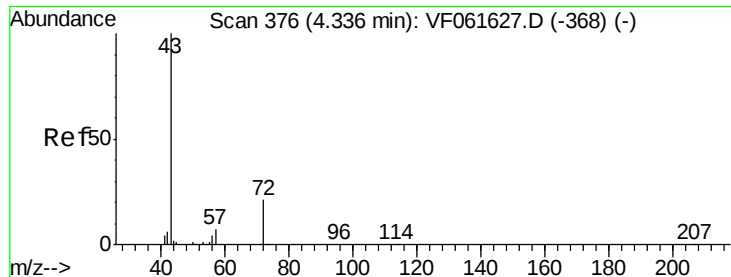
Ion Ratio Lower Upper

63 100

98 4.9 2.8 8.3

100 4.0 1.8 5.4





#25

2-Butanone

Concen: 107.579 ug/l

RT: 4.33 min Scan# 376

Delta R.T. -0.00 min

Lab File: VF061725.D

Acq: 25 Feb 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

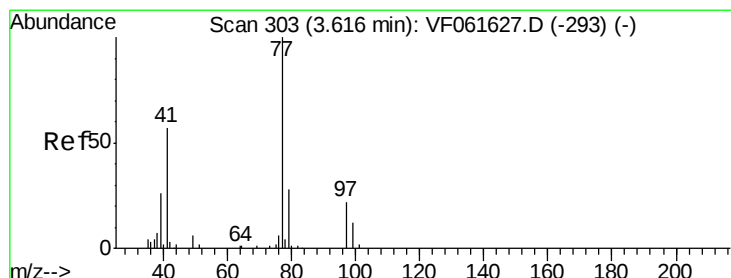
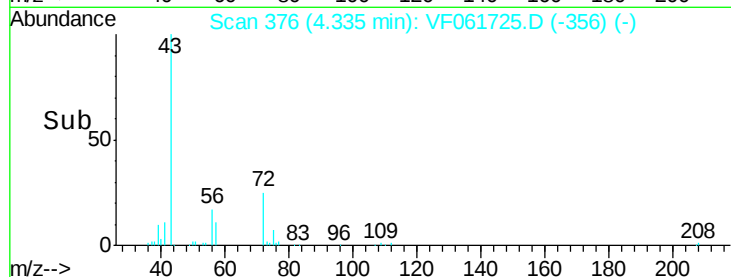
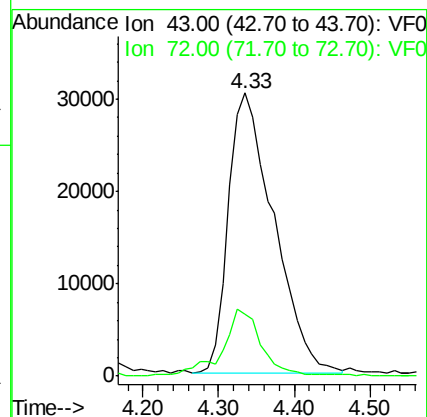
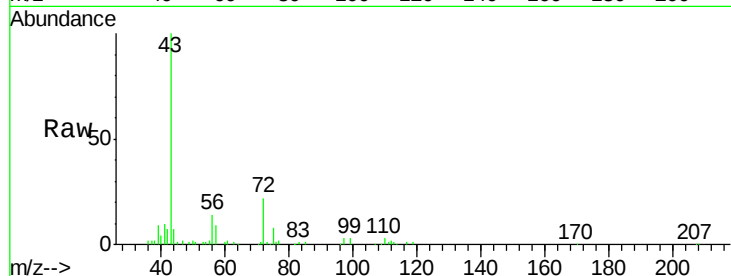
VF0225SBS01

Tot Ion: 43 Resp: 125856

Ion Ratio Lower Upper

43 100

72 22.1 17.1 25.7



#26

2,2-Dichloropropane

Concen: 25.181 ug/l

RT: 3.60 min Scan# 301

Delta R.T. -0.02 min

Lab File: VF061725.D

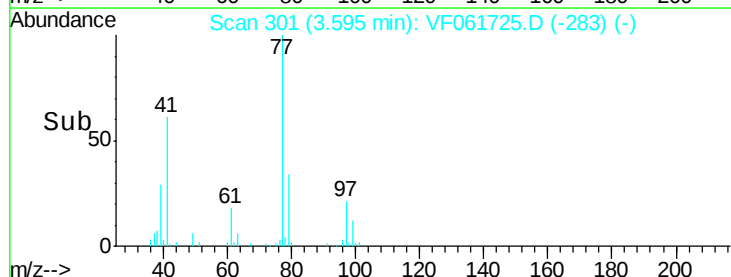
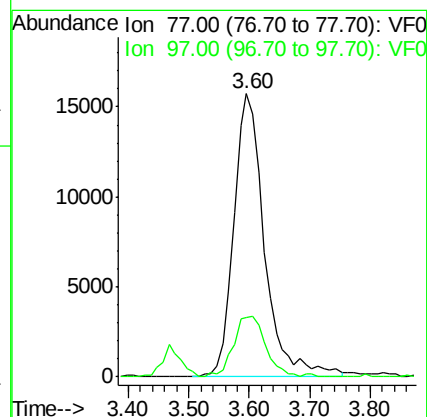
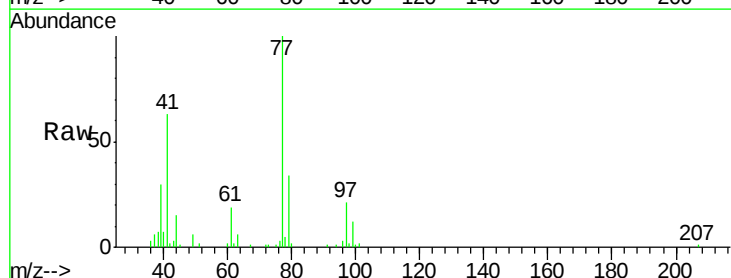
Acq: 25 Feb 2019 12:45

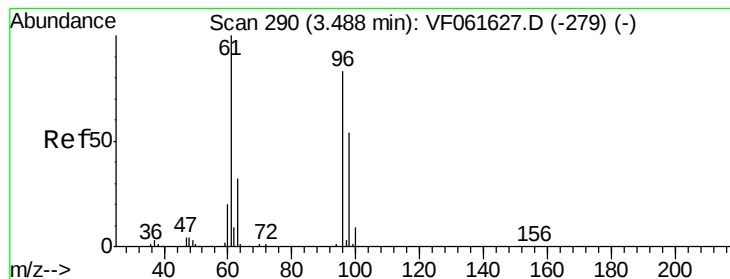
Tgt Ion: 77 Resp: 55460

Ion Ratio Lower Upper

77 100

97 21.0 11.7 35.0



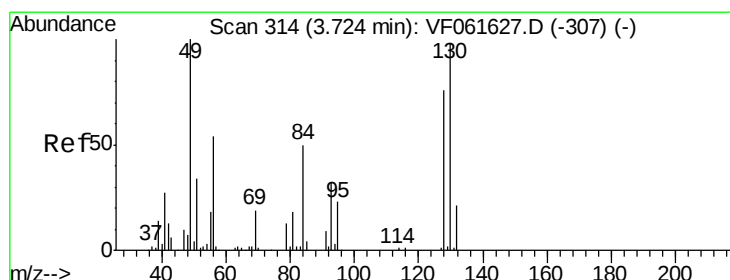
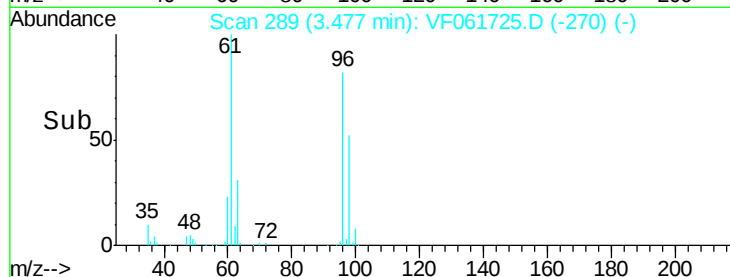
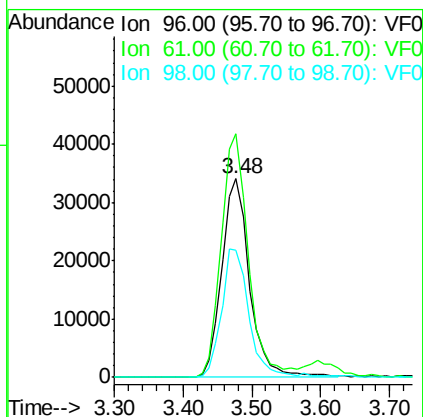
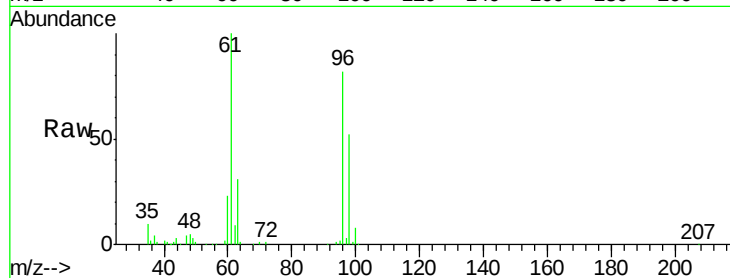


#27

cis-1,2-Dichloroethene
 Concen: 23.000 ug/l
 RT: 3.48 min Scan# 289
 Delta R.T. -0.01 min
 Lab File: VF061725.D
 Acq: 25 Feb 2019 12:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0225SBS01

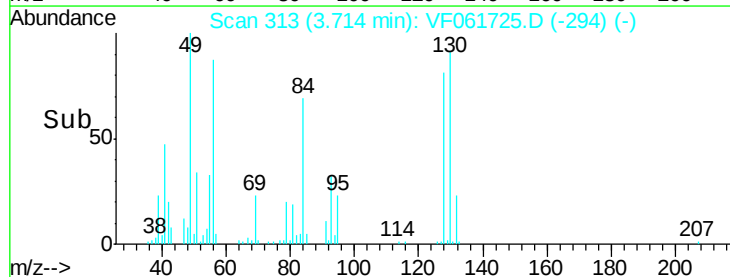
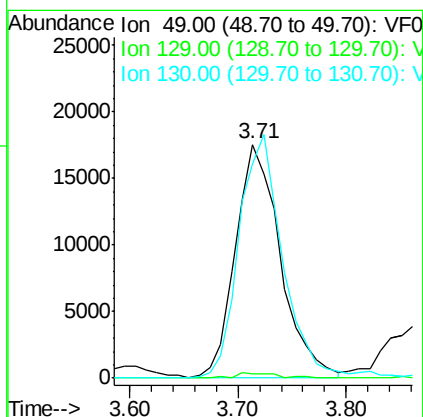
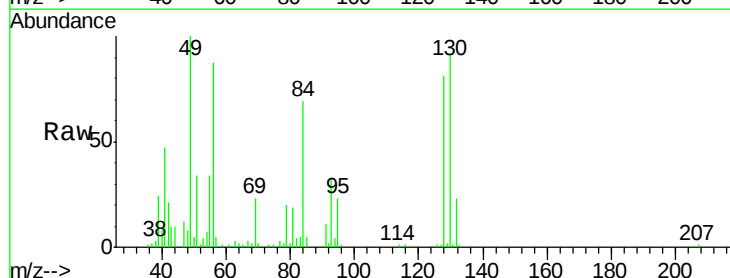
Tot Ion: 96 Resp: 95728
 Ion Ratio Lower Upper
 96 100
 61 122.7 0.0 241.6
 98 64.3 0.0 130.2

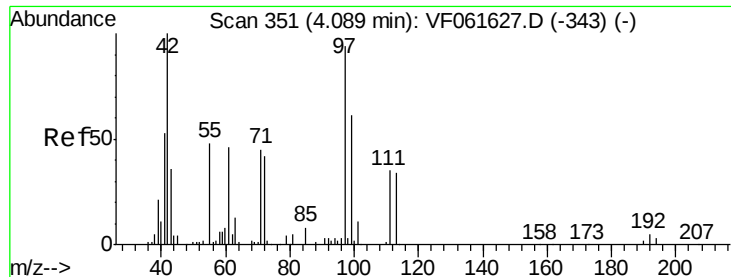


#28

Bromochloromethane
 Concen: 20.372 ug/l
 RT: 3.71 min Scan# 313
 Delta R.T. -0.01 min
 Lab File: VF061725.D
 Acq: 25 Feb 2019 12:45

Tgt Ion: 49 Resp: 50826
 Ion Ratio Lower Upper
 49 100
 129 1.7 0.0 3.4
 130 91.5 77.7 116.5





#29

Tetrahydrofuran

Concen: 102.143 ug/l

RT: 4.08 min Scan# 350

Delta R.T. -0.01 min

Lab File: VF061725.D

Acq: 25 Feb 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

VF0225SBS01

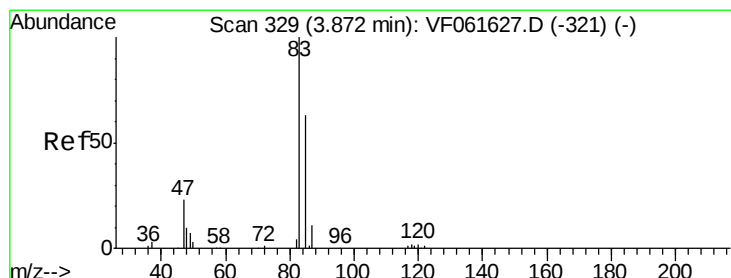
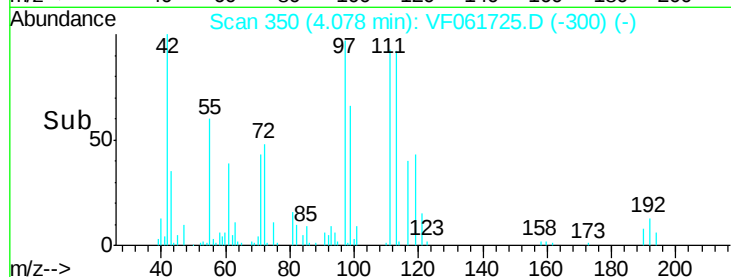
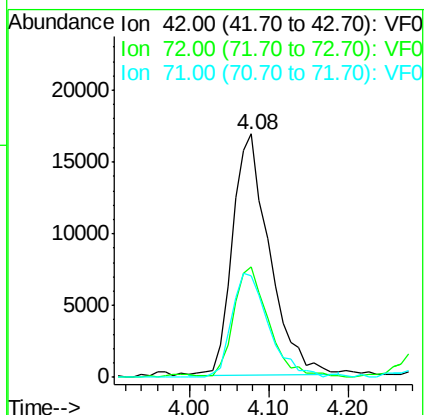
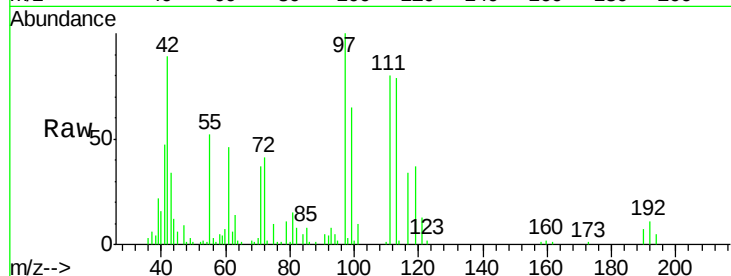
Tot Ion: 42 Resp: 54312

Ion Ratio Lower Upper

42 100

72 43.7 35.2 52.8

71 43.0 32.9 49.3



#30

Chloroform

Concen: 22.177 ug/l

RT: 3.86 min Scan# 328

Delta R.T. -0.01 min

Lab File: VF061725.D

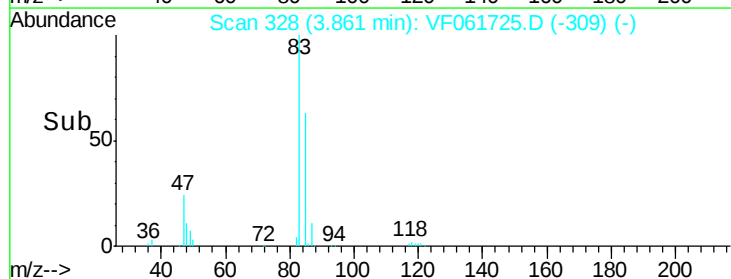
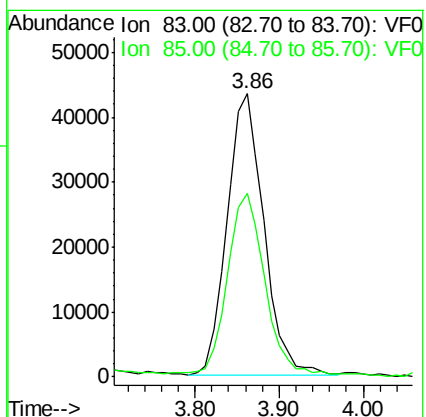
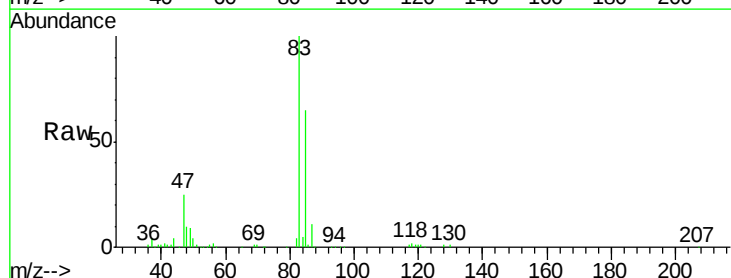
Acq: 25 Feb 2019 12:45

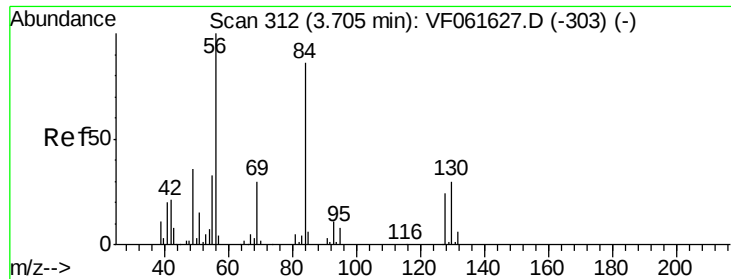
Tgt Ion: 83 Resp: 131135

Ion Ratio Lower Upper

83 100

85 64.7 51.1 76.7

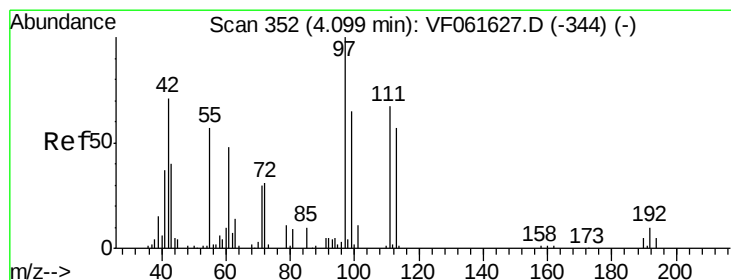
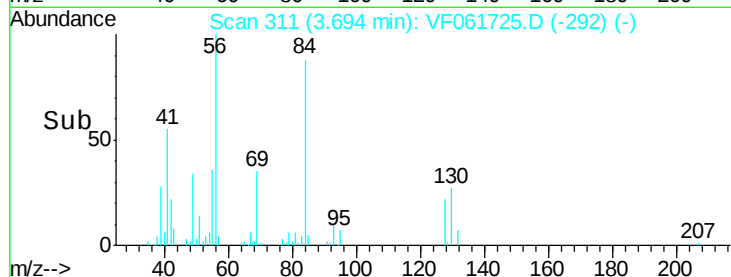
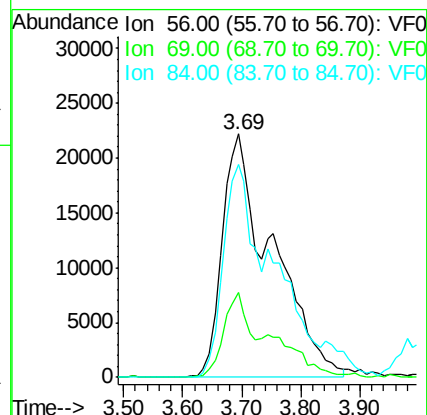
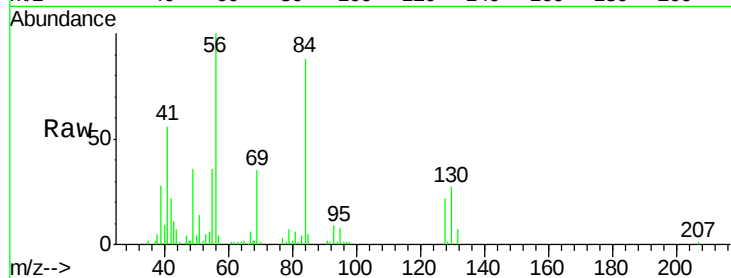




#31
Cvclohexane
Concen: 23.181 ug/l m
RT: 3.69 min Scan# 311
Delta R.T. -0.01 min
Lab File: VF061725.D
Acq: 25 Feb 2019 12:45

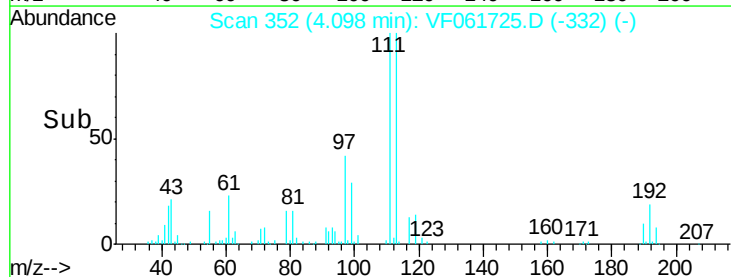
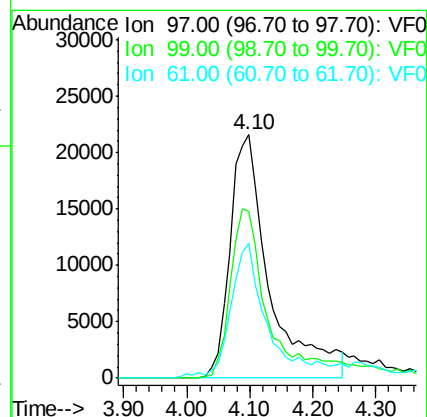
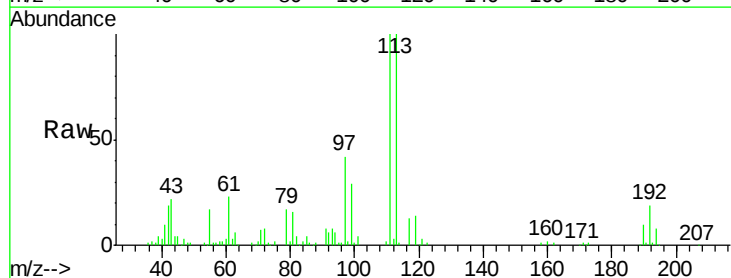
Instrument :
MSVOA_F
ClientSampleId :
VF0225SBS01

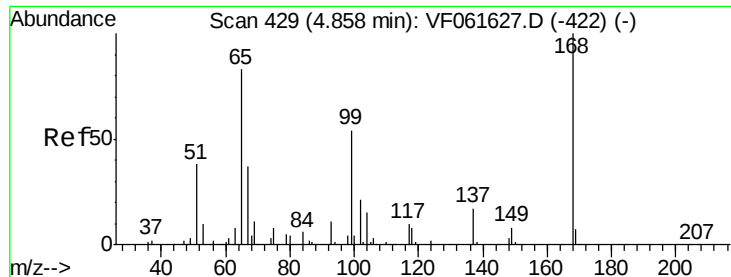
Tot Ion: 56 Resp: 130486
Ion Ratio Lower Upper
56 100
69 35.0 23.8 35.8
84 87.6 68.6 103.0



#32
1,1,1-Trichloroethane
Concen: 24.160 ug/l
RT: 4.10 min Scan# 352
Delta R.T. -0.00 min
Lab File: VF061725.D
Acq: 25 Feb 2019 12:45

Tgt Ion: 97 Resp: 93583
Ion Ratio Lower Upper
97 100
99 68.7 52.2 78.2
61 55.4 39.2 58.8

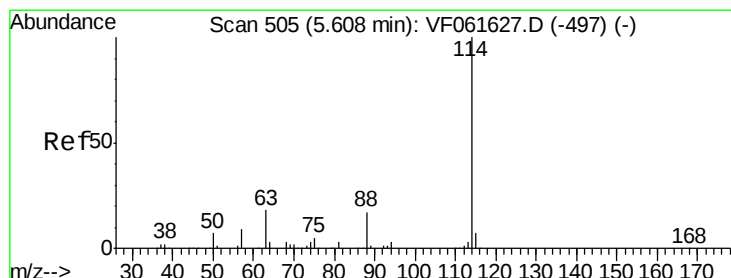
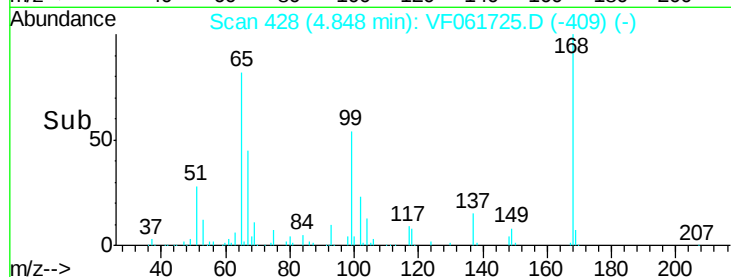
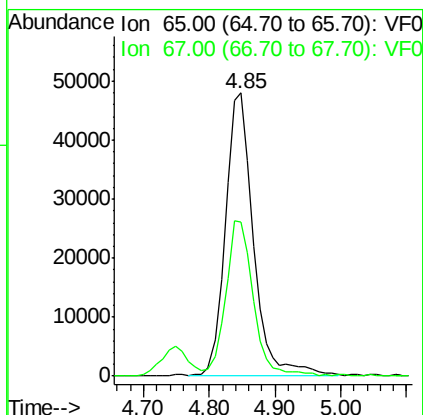
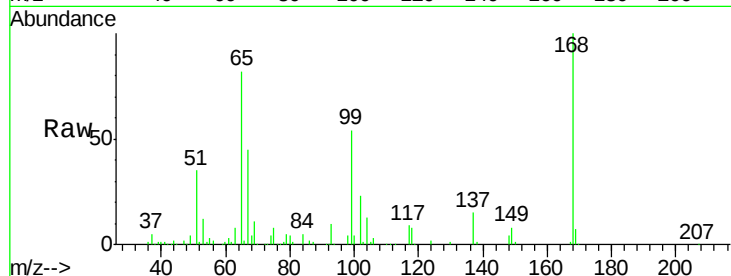




#33
 1,2-Dichloroethane-d4
 Concen: 56.805 ug/l
 RT: 4.85 min Scan# 428
 Delta R.T. -0.01 min
 Lab File: VF061725.D
 Acq: 25 Feb 2019 12:45

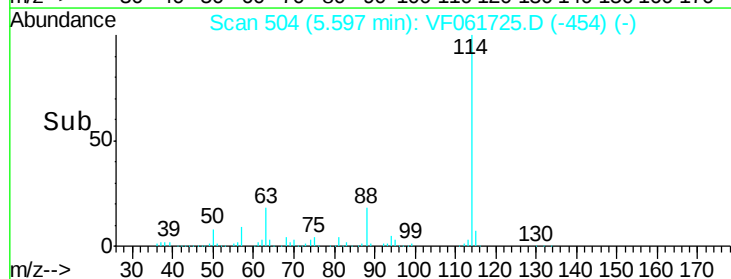
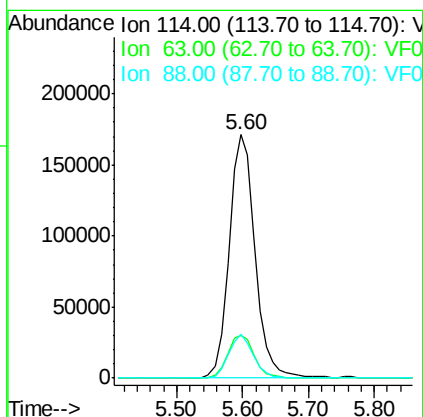
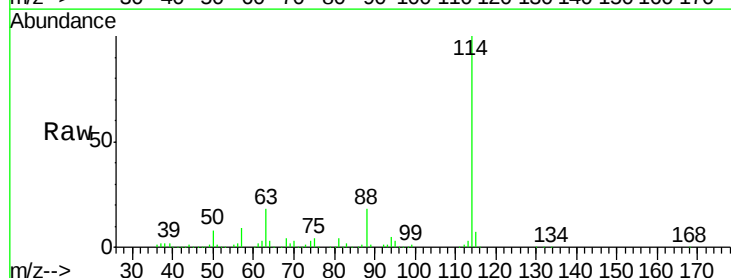
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0225SBS01

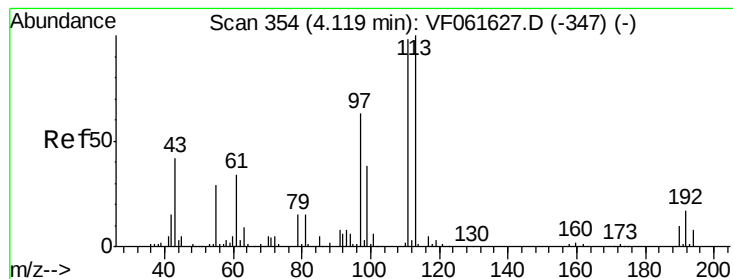
Tot Ion: 65 Resp: 141802
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.60 min Scan# 504
 Delta R.T. -0.01 min
 Lab File: VF061725.D
 Acq: 25 Feb 2019 12:45

Tgt Ion: 114 Resp: 471657
 Ion Ratio Lower Upper
 114 100
 63 17.6 0.0 36.6
 88 18.1 0.0 34.4





#35

Dibromofluoromethane

Concen: 57.322 ug/l

RT: 4.12 min Scan# 354

Delta R.T. -0.00 min

Lab File: VF061725.D

Acq: 25 Feb 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

VF0225SBS01

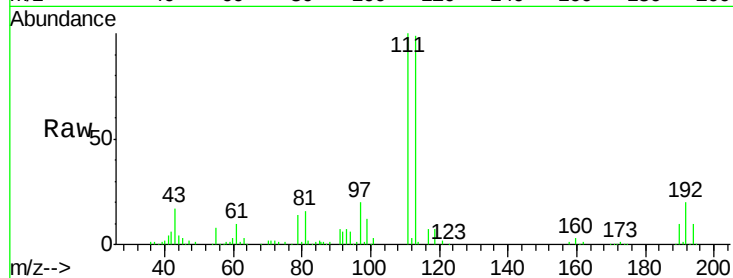
Tot Ion:113 Resp: 200774

Ion Ratio Lower Upper

113 100

111 100.7 78.8 118.2

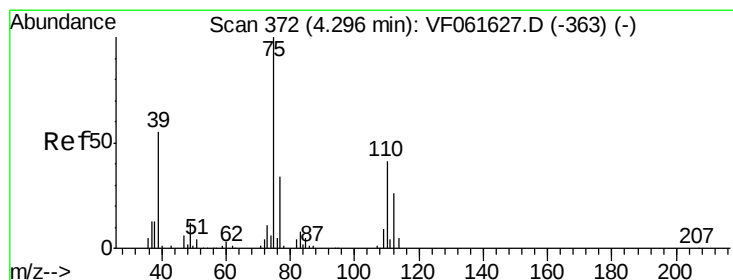
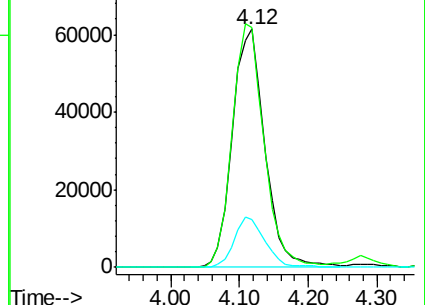
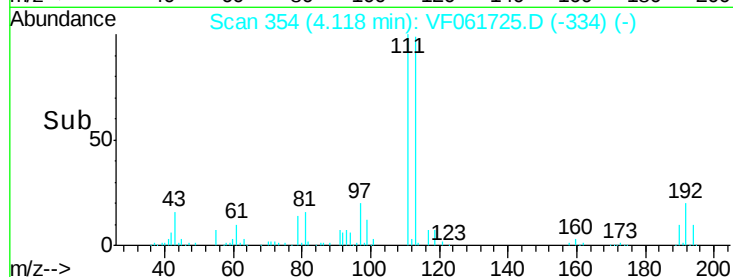
192 20.0 13.4 20.0



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: 24.067 ug/l

RT: 4.28 min Scan# 370

Delta R.T. -0.02 min

Lab File: VF061725.D

Acq: 25 Feb 2019 12:45

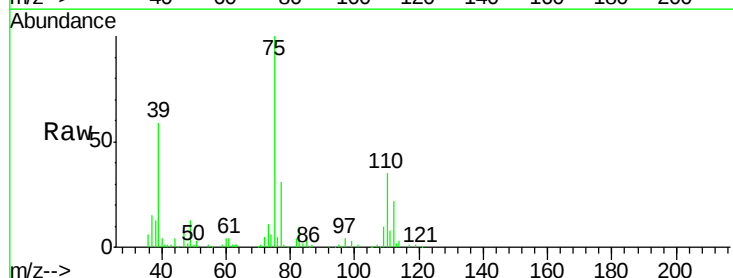
Tgt Ion: 75 Resp: 112447

Ion Ratio Lower Upper

75 100

110 34.7 20.5 61.6

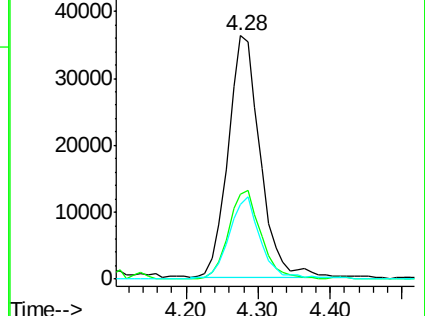
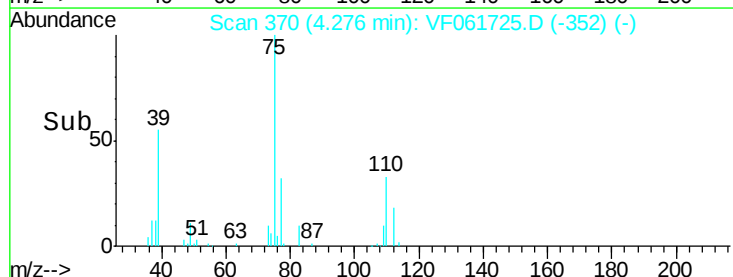
77 30.8 27.0 40.4

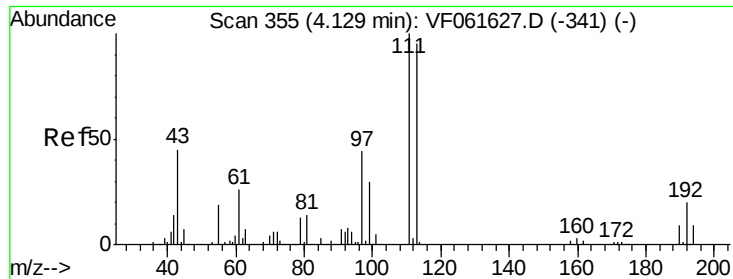


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

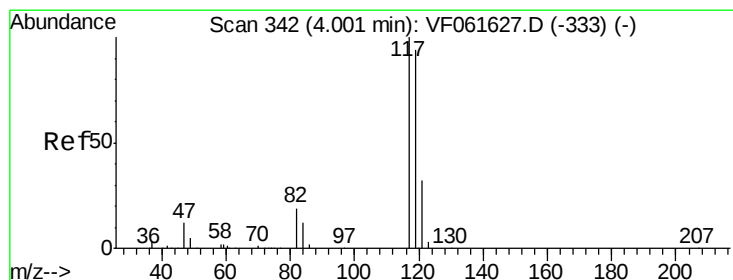
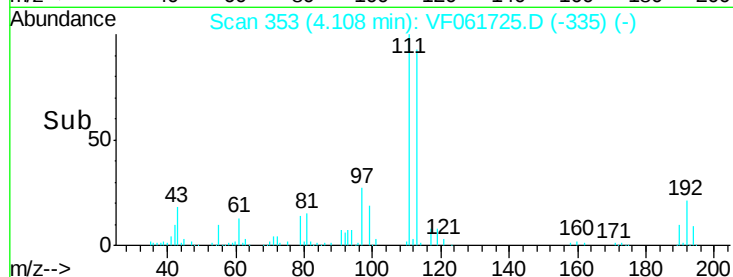
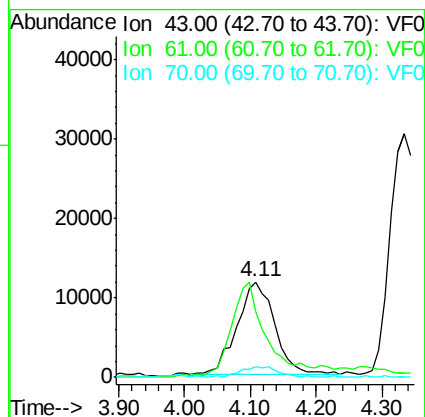
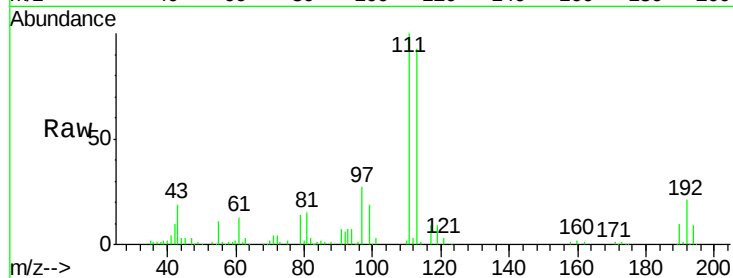




#37
Ethyl Acetate
Concen: 21.438 ug/l
RT: 4.11 min Scan# 353
Delta R.T. -0.02 min
Lab File: VF061725.D
Acq: 25 Feb 2019 12:45

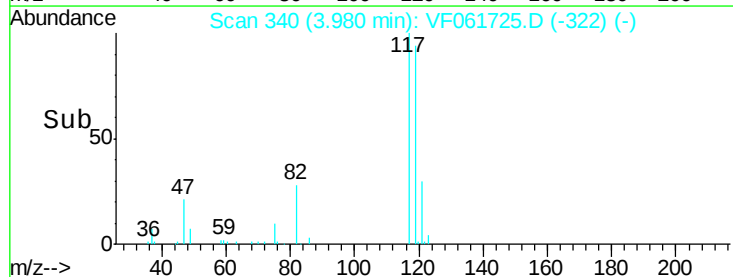
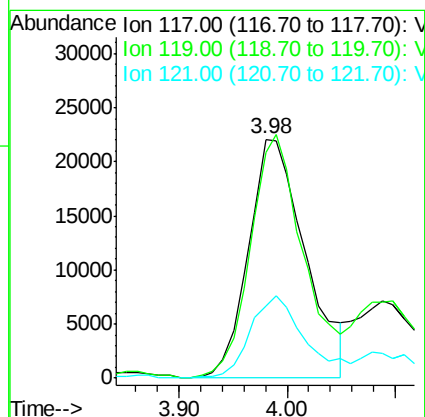
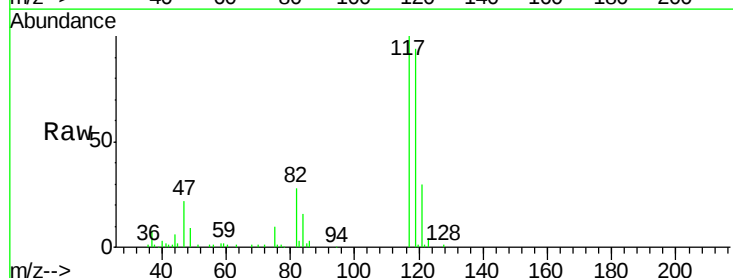
Instrument :
MSVOA_F
ClientSampleId :
VF0225SBS01

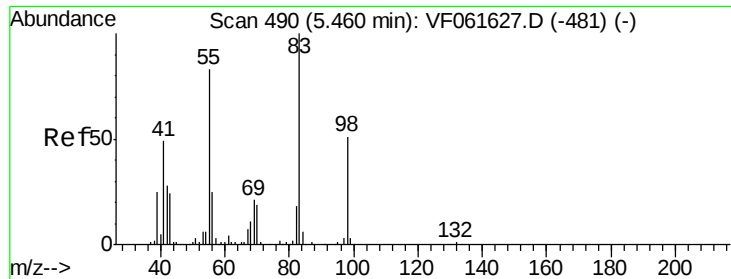
Tot Ion: 43 Resp: 46525
Ion Ratio Lower Upper
43 100
61 69.6 45.7 68.5#
70 11.5 8.5 12.7



#38
Carbon Tetrachloride
Concen: 25.109 ug/l
RT: 3.98 min Scan# 340
Delta R.T. -0.02 min
Lab File: VF061725.D
Acq: 25 Feb 2019 12:45

Tgt Ion: 117 Resp: 81010
Ion Ratio Lower Upper
117 100
119 94.4 75.6 113.4
121 30.2 25.2 37.8

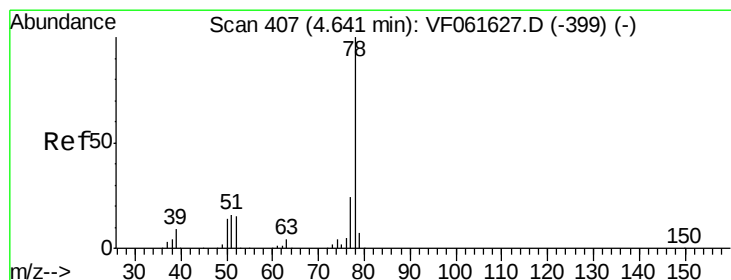
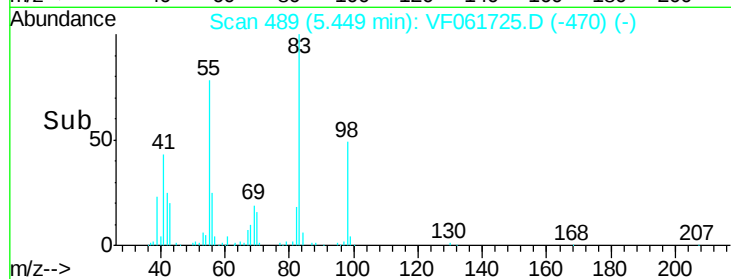
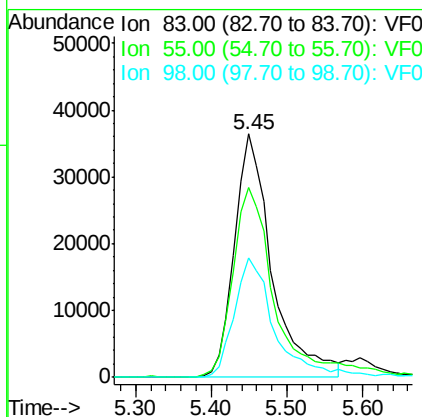
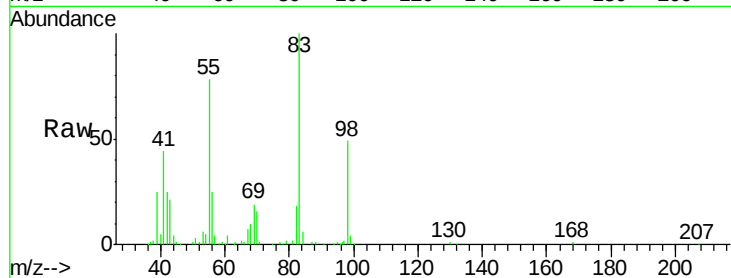




#39
Methvlcvclohexane
Concen: 22.822 ug/l
RT: 5.45 min Scan# 489
Delta R.T. -0.01 min
Lab File: VF061725.D
Acq: 25 Feb 2019 12:45

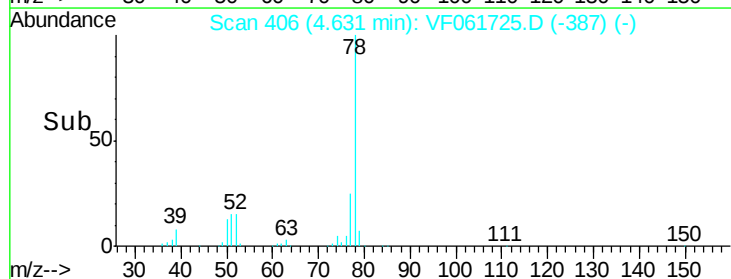
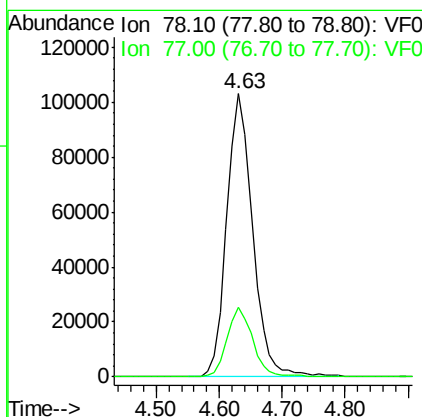
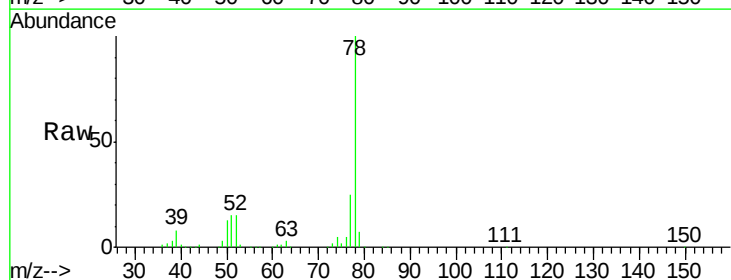
Instrument :
MSVOA_F
ClientSampleId :
VF0225SBS01

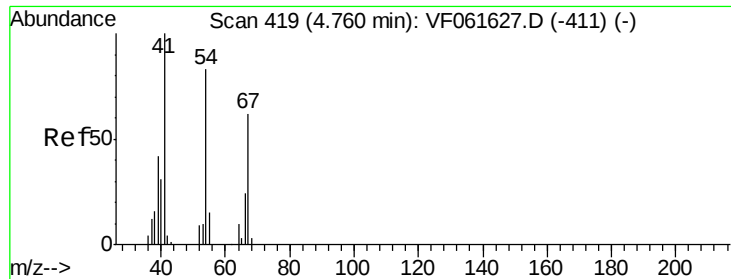
Tot Ion: 83 Resp: 126112
Ion Ratio Lower Upper
83 100
55 78.2 66.6 99.8
98 48.8 40.4 60.6



#40
Benzene
Concen: 24.088 ug/l
RT: 4.63 min Scan# 406
Delta R.T. -0.01 min
Lab File: VF061725.D
Acq: 25 Feb 2019 12:45

Tgt Ion: 78 Resp: 294384
Ion Ratio Lower Upper
78 100
77 24.5 19.0 28.6

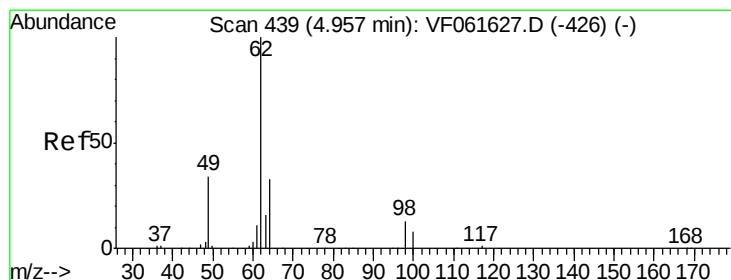
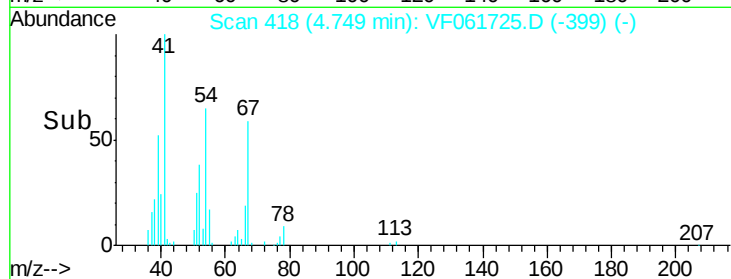
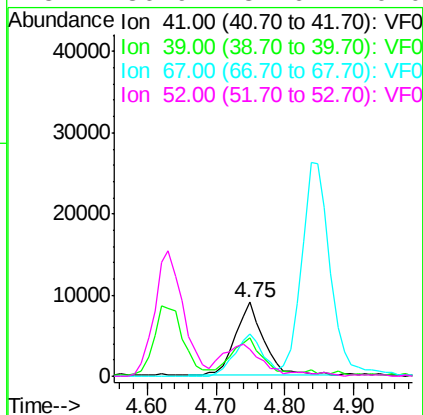
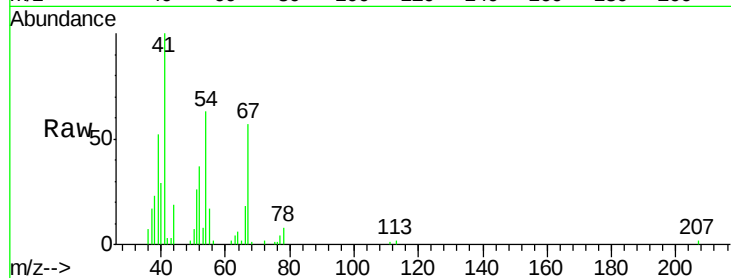




#41
Methacrylonitrile
Concen: 22.825 ug/l
RT: 4.75 min Scan# 418
Delta R.T. -0.01 min
Lab File: VF061725.D
Acq: 25 Feb 2019 12:45

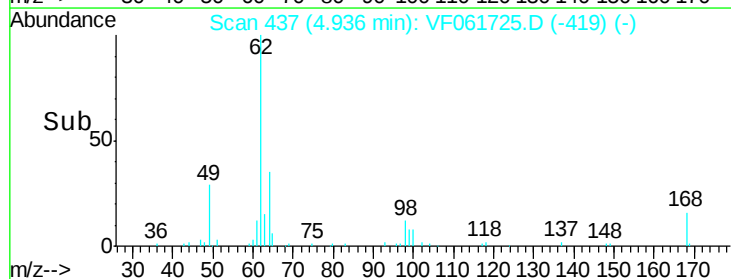
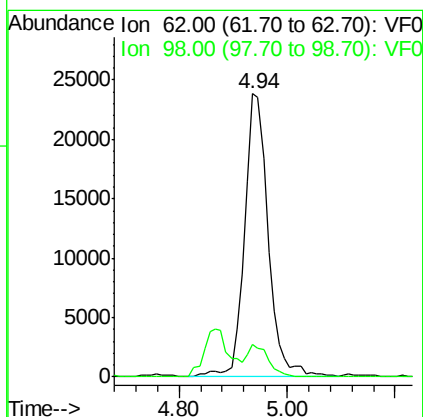
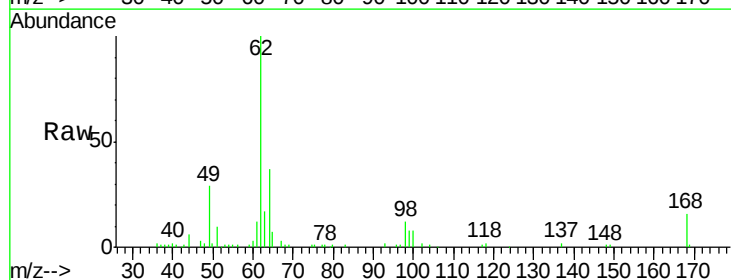
Instrument :
MSVOA_F
ClientSampleId :
VF0225SBS01

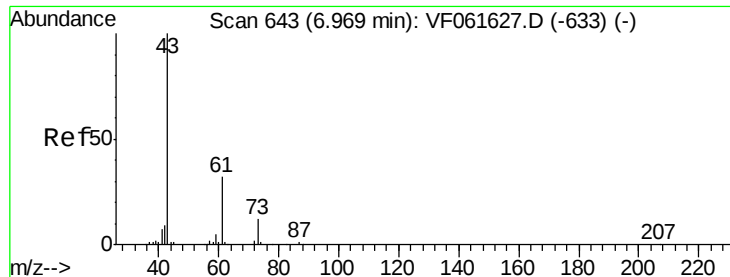
Tot Ion:	41	Resp:	25332
Ion	Ratio	Lower	Upper
41	100		
39	52.4	45.3	67.9
67	56.9	49.3	73.9
52	36.9	32.6	49.0



#42
1,2-Dichloroethane
Concen: 24.735 ug/l
RT: 4.94 min Scan# 437
Delta R.T. -0.02 min
Lab File: VF061725.D
Acq: 25 Feb 2019 12:45

Tgt Ion:	62	Resp:	72310
Ion	Ratio	Lower	Upper
62	100		
98	11.6	0.0	26.0



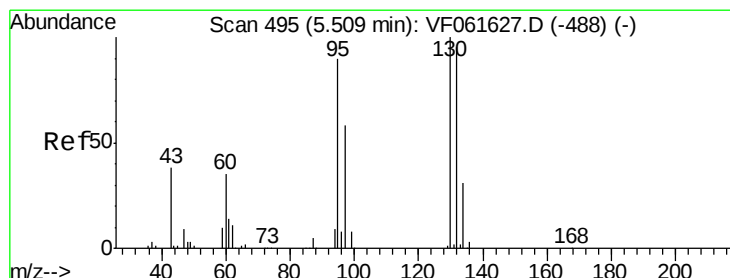
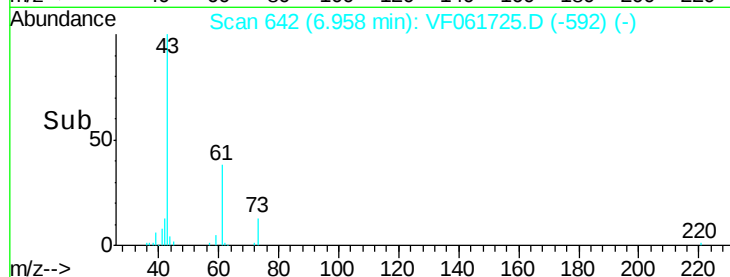
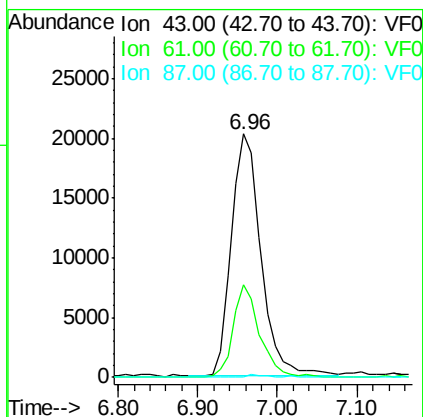
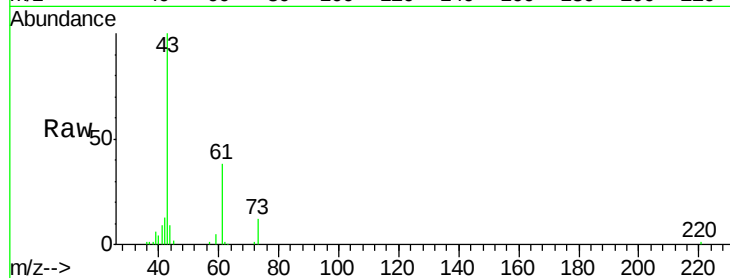


#43

Isopropyl Acetate
 Concen: 20.389 ug/l
 RT: 6.96 min Scan# 642
 Delta R.T. -0.01 min
 Lab File: VF061725.D
 Acq: 25 Feb 2019 12:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0225SBS01

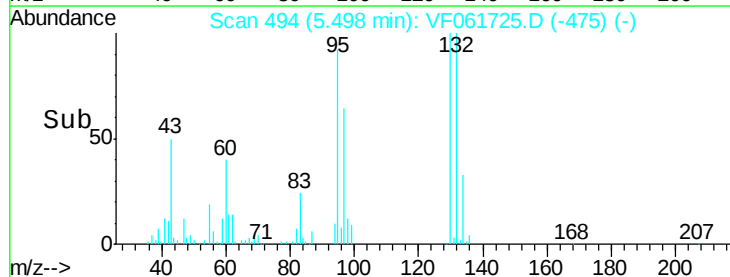
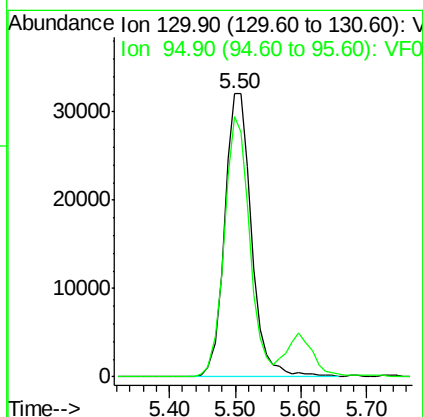
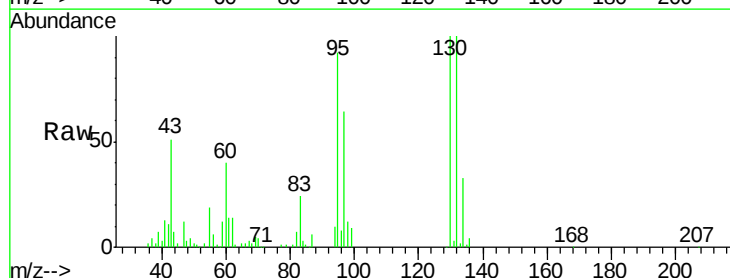
Tot Ion: 43 Resp: 52376
 Ion Ratio Lower Upper
 43 100
 61 37.8 25.8 38.6
 87 0.0 0.4 0.6#

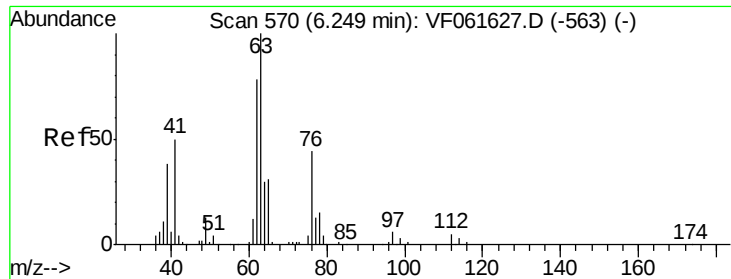


#44

Trichloroethene
 Concen: 23.223 ug/l
 RT: 5.50 min Scan# 494
 Delta R.T. -0.01 min
 Lab File: VF061725.D
 Acq: 25 Feb 2019 12:45

Tgt Ion:130 Resp: 91779
 Ion Ratio Lower Upper
 130 100
 95 92.0 0.0 179.4





#45

1,2-Dichloropropane

Concen: 22.485 ug/l

RT: 6.24 min Scan# 569

Delta R.T. -0.01 min

Lab File: VF061725.D

Acq: 25 Feb 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

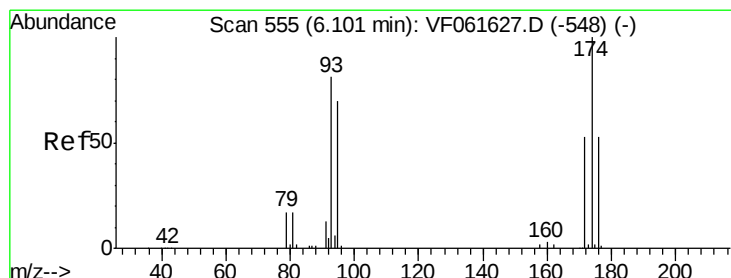
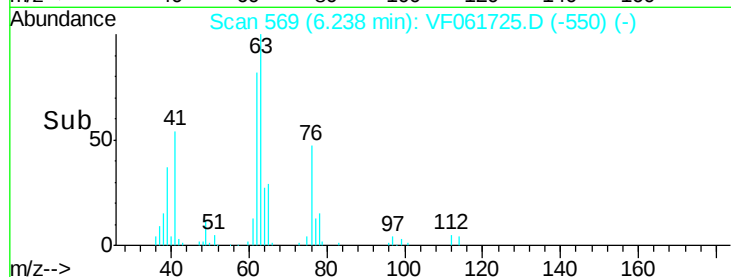
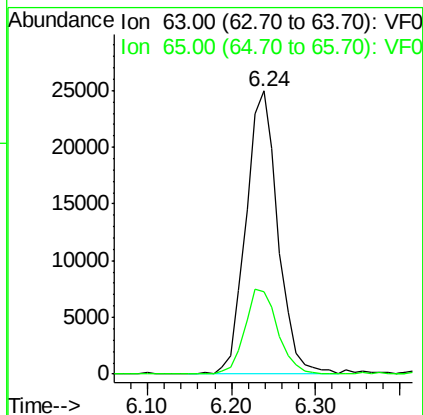
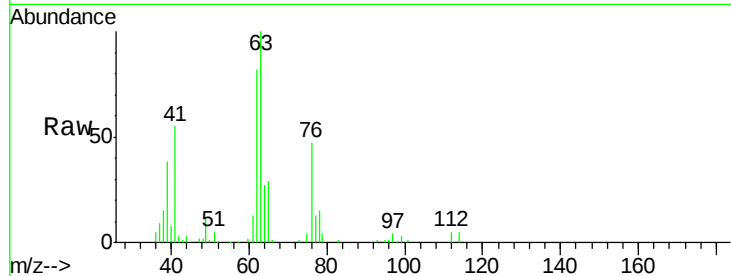
VF0225SBS01

Tot Ion: 63 Resp: 66423

Ion Ratio Lower Upper

63 100

65 29.2 24.9 37.3



#46

Dibromomethane

Concen: 23.966 ug/l

RT: 6.09 min Scan# 554

Delta R.T. -0.01 min

Lab File: VF061725.D

Acq: 25 Feb 2019 12:45

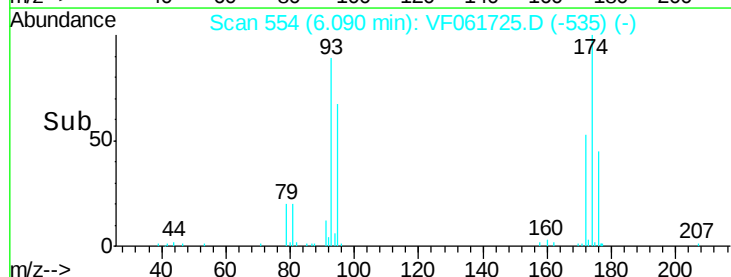
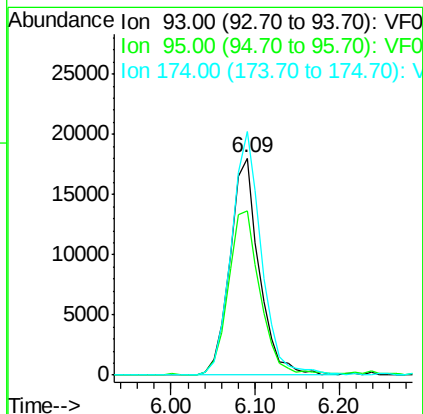
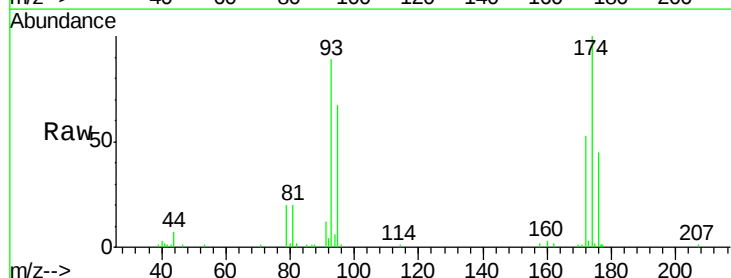
Tgt Ion: 93 Resp: 43591

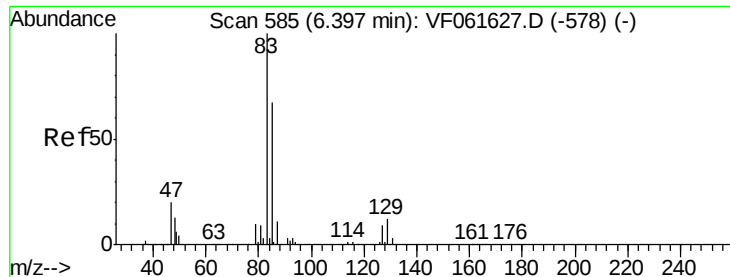
Ion Ratio Lower Upper

93 100

95 75.5 69.0 103.6

174 112.2 99.3 148.9





#47

Bromodichloromethane

Concen: 22.894 ug/l

RT: 6.39 min Scan# 584

Delta R.T. -0.01 min

Lab File: VF061725.D

Acq: 25 Feb 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

VF0225SBS01

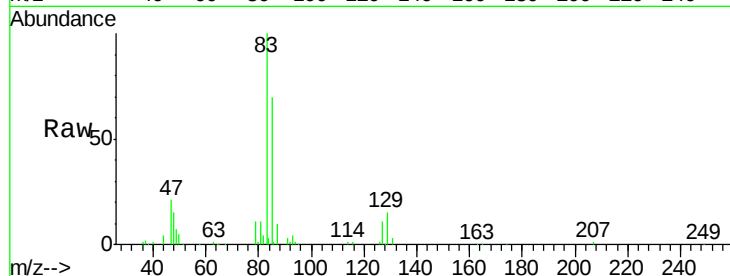
Tot Ion: 83 Resp: 91189

Ion Ratio Lower Upper

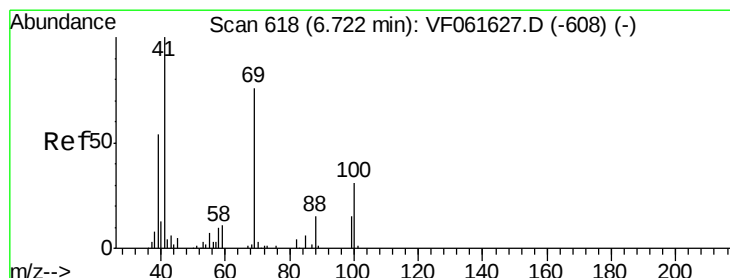
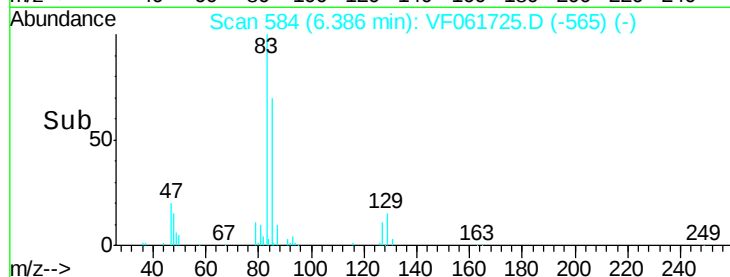
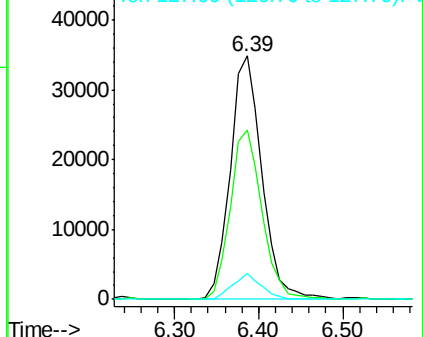
83 100

85 69.8 53.4 80.2

127 10.7 7.5 11.3



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0
Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 21.361 ug/l

RT: 6.72 min Scan# 618

Delta R.T. -0.00 min

Lab File: VF061725.D

Acq: 25 Feb 2019 12:45

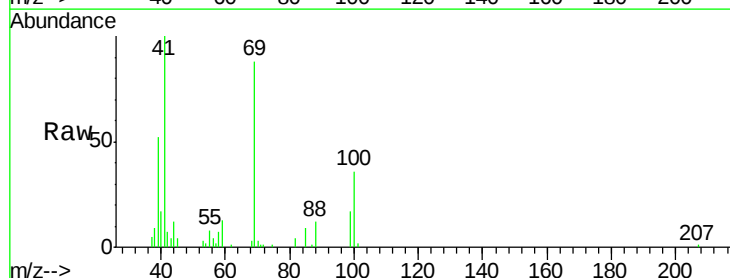
Tgt Ion: 41 Resp: 33022

Ion Ratio Lower Upper

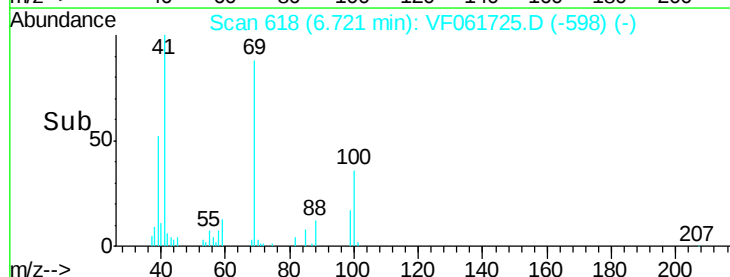
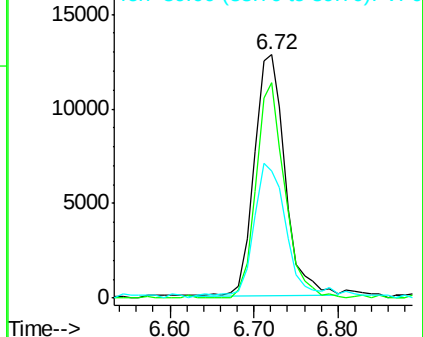
41 100

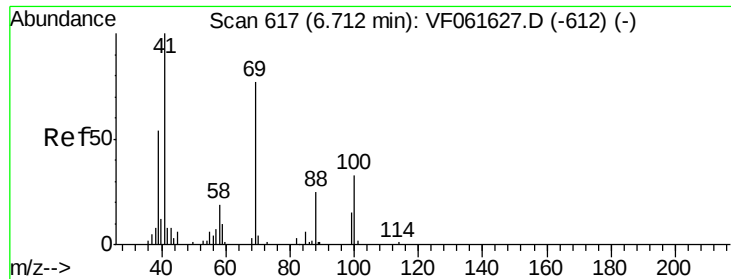
69 88.5 60.4 90.6

39 52.4 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

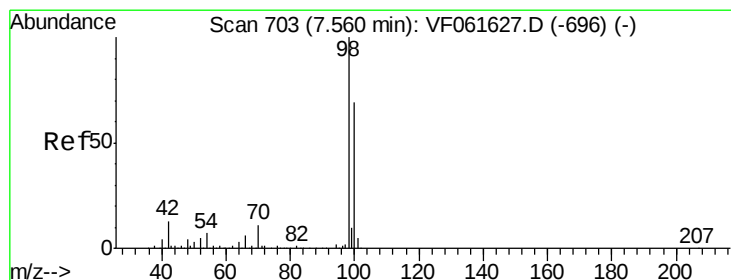
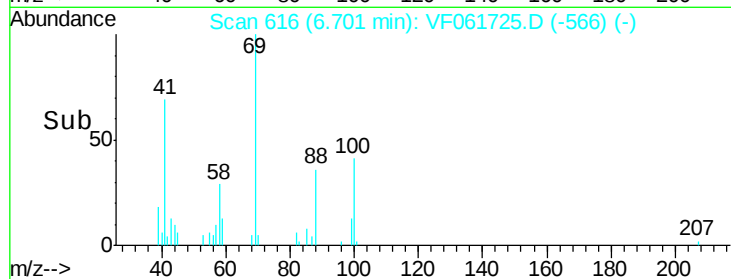
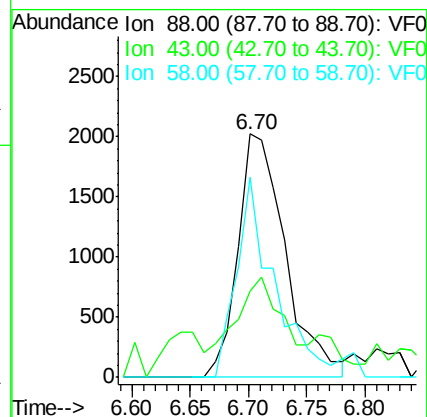
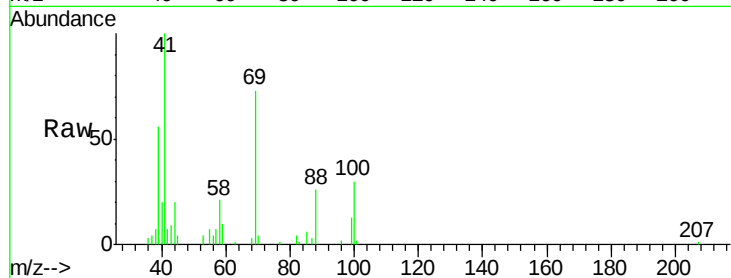




#49
 1,4-Dioxane
 Concen: 395.537 ug/l
 RT: 6.70 min Scan# 616
 Delta R.T. -0.01 min
 Lab File: VF061725.D
 Acq: 25 Feb 2019 12:45

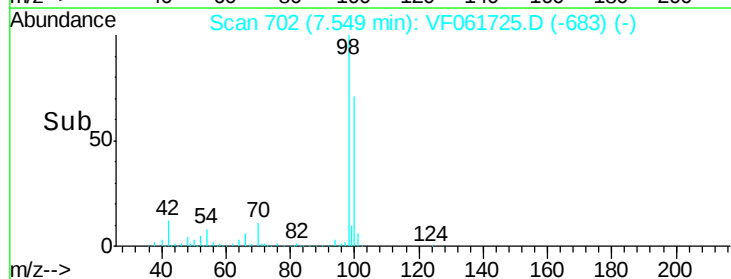
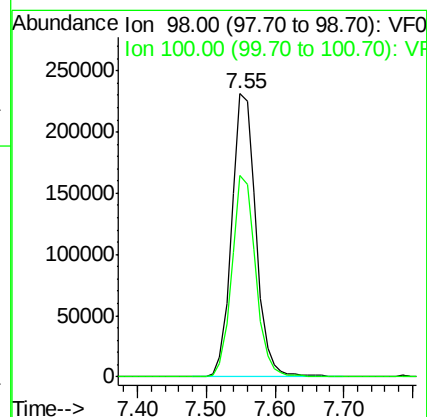
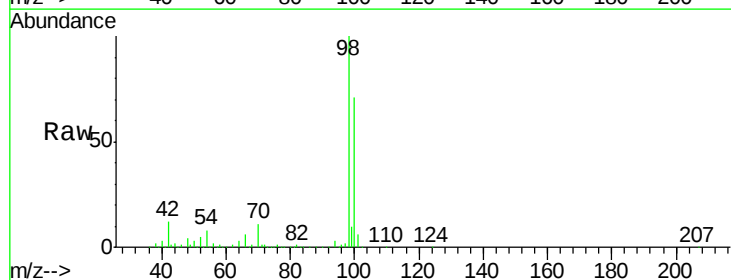
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0225SBS01

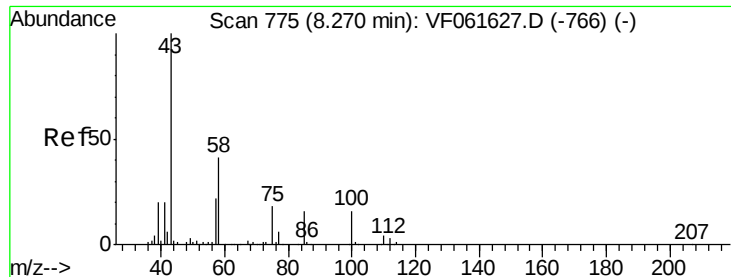
Tot Ion: 88 Resp: 5748
 Ion Ratio Lower Upper
 88 100
 43 35.5 32.3 48.5
 58 82.0 59.4 89.2



#50
 Toluene-d8
 Concen: 55.839 ug/l
 RT: 7.55 min Scan# 702
 Delta R.T. -0.01 min
 Lab File: VF061725.D
 Acq: 25 Feb 2019 12:45

Tgt Ion: 98 Resp: 562230
 Ion Ratio Lower Upper
 98 100
 100 71.4 55.4 83.2





#51

4-Methyl-2-Pentanone

Concen: 114.449 ug/l

RT: 8.26 min Scan# 774

Delta R.T. -0.01 min

Lab File: VF061725.D

Acq: 25 Feb 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

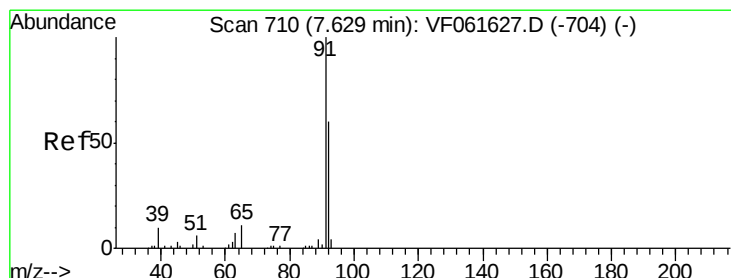
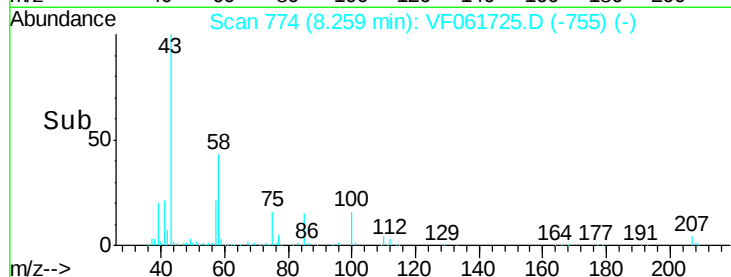
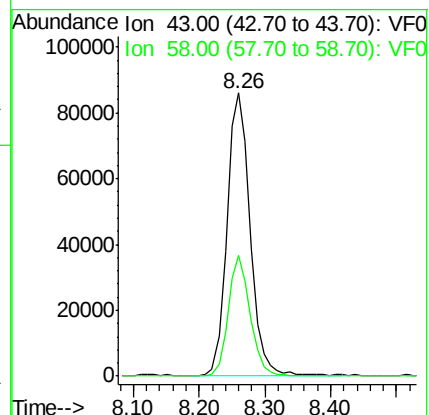
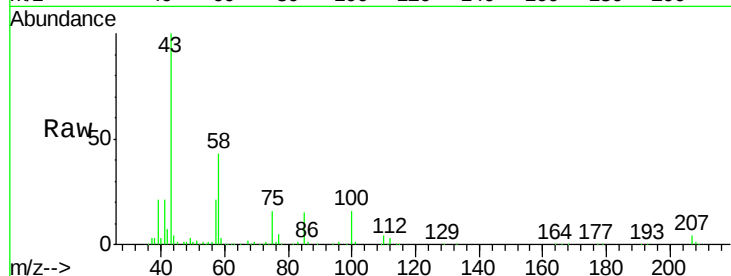
VF0225SBS01

Tot Ion: 43 Resp: 210071

Ion Ratio Lower Upper

43 100

58 42.9 33.1 49.7



#52

Toluene

Concen: 22.416 ug/l

RT: 7.63 min Scan# 710

Delta R.T. -0.00 min

Lab File: VF061725.D

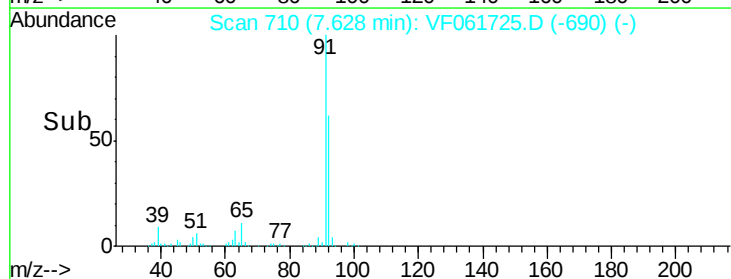
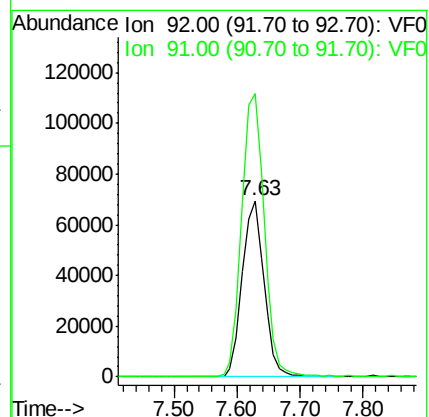
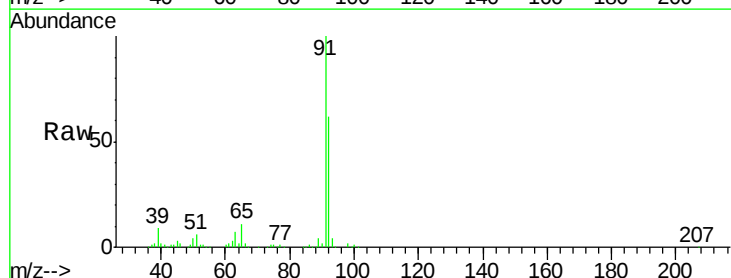
Acq: 25 Feb 2019 12:45

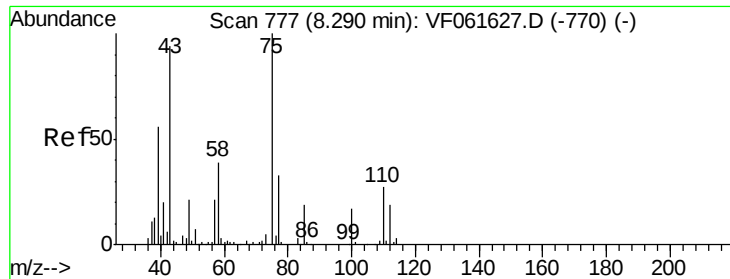
Tgt Ion: 92 Resp: 166146

Ion Ratio Lower Upper

92 100

91 160.6 133.9 200.9





#53

t-1,3-Dichloropropene

Concen: 23.921 ug/l

RT: 8.28 min Scan# 776

Delta R.T. -0.01 min

Lab File: VF061725.D

Acq: 25 Feb 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

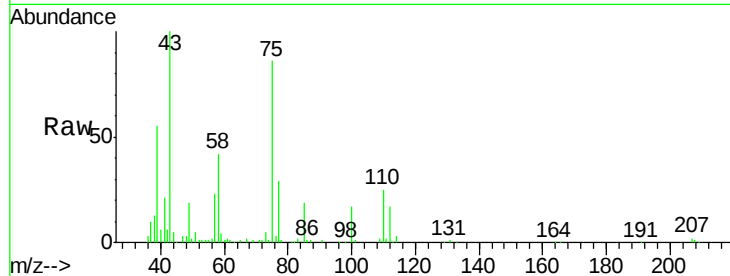
VF0225SBS01

Tot Ion: 75 Resp: 79298

Ion Ratio Lower Upper

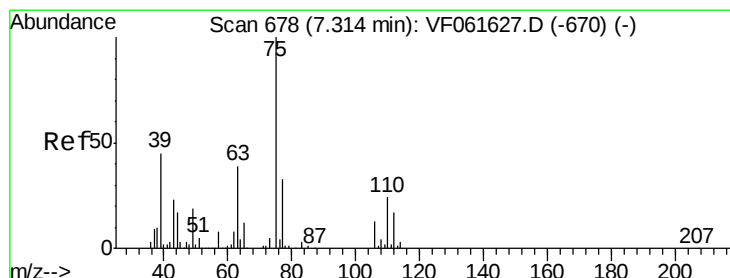
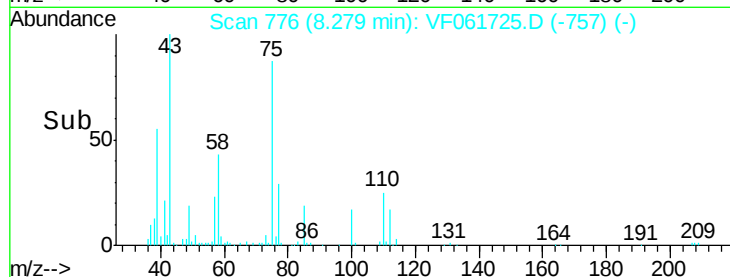
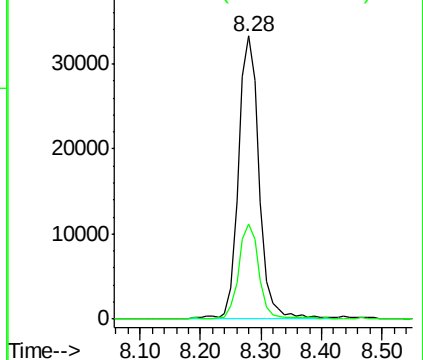
75 100

77 33.9 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 25.365 ug/l

RT: 7.30 min Scan# 677

Delta R.T. -0.01 min

Lab File: VF061725.D

Acq: 25 Feb 2019 12:45

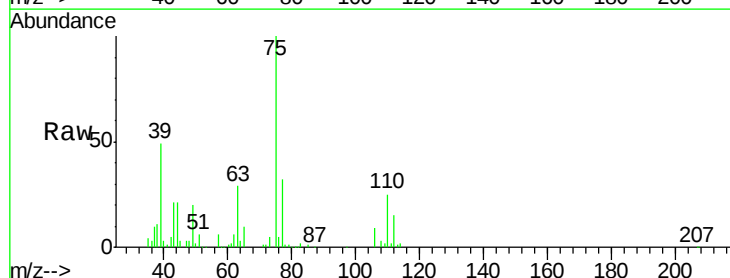
Tgt Ion: 75 Resp: 112002

Ion Ratio Lower Upper

75 100

77 31.9 26.4 39.6

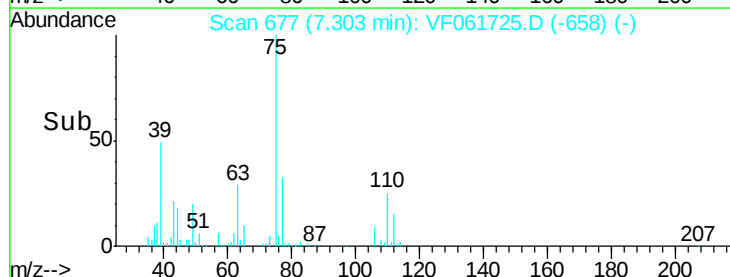
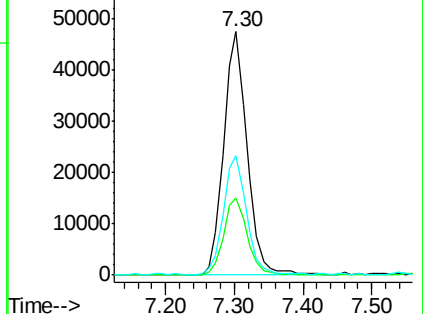
39 49.1 36.0 54.0

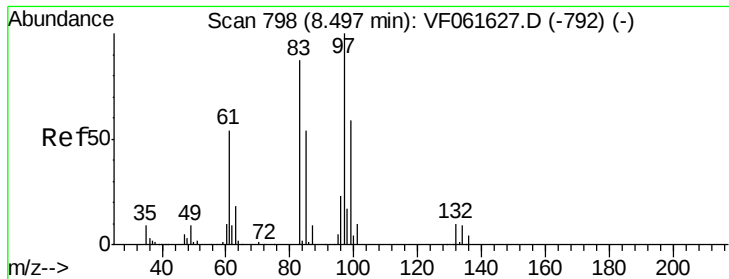


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 22.330 ug/l

RT: 8.50 min Scan# 798

Delta R.T. -0.00 min

Lab File: VF061725.D

Acq: 25 Feb 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

VF0225SBS01

Tot Ion: 97 Resp: 48628

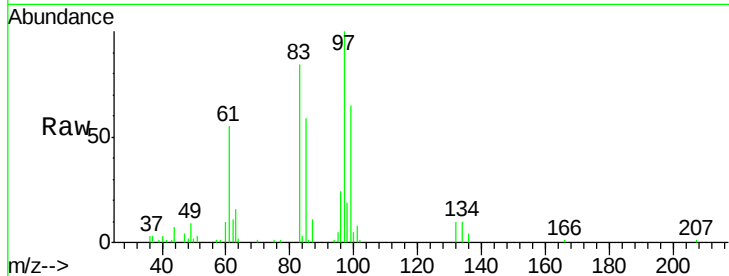
Ion Ratio Lower Upper

97 100

83 84.5 69.2 103.8

85 59.2 43.0 64.4

99 65.0 47.2 70.8

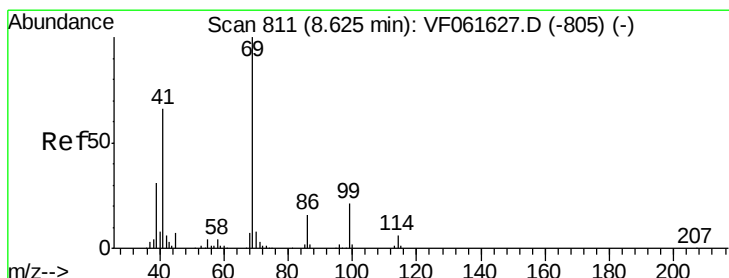
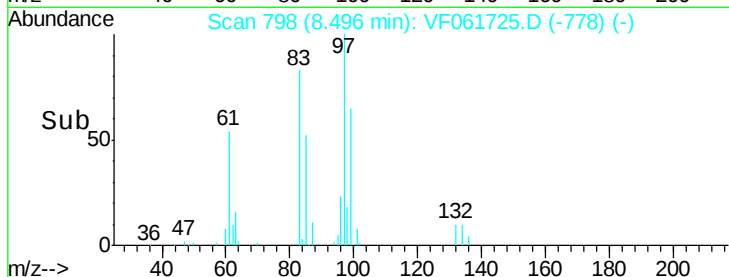
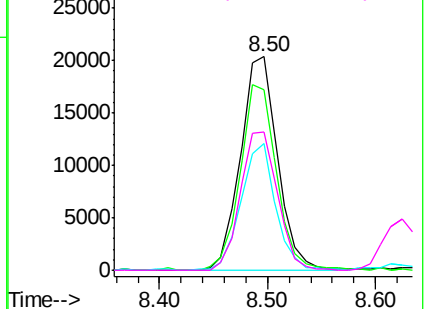


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 22.260 ug/l

RT: 8.61 min Scan# 810

Delta R.T. -0.01 min

Lab File: VF061725.D

Acq: 25 Feb 2019 12:45

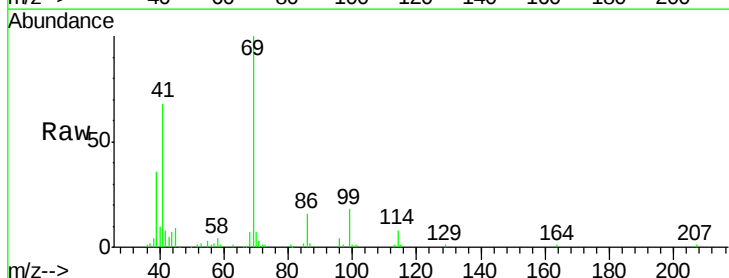
Tgt Ion: 69 Resp: 53971

Ion Ratio Lower Upper

69 100

41 68.1 52.9 79.3

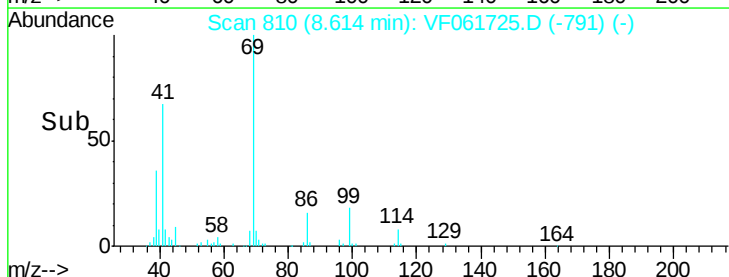
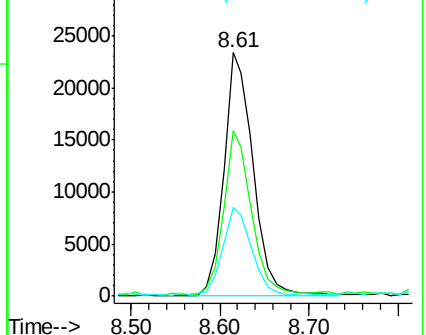
39 36.4 24.5 36.7

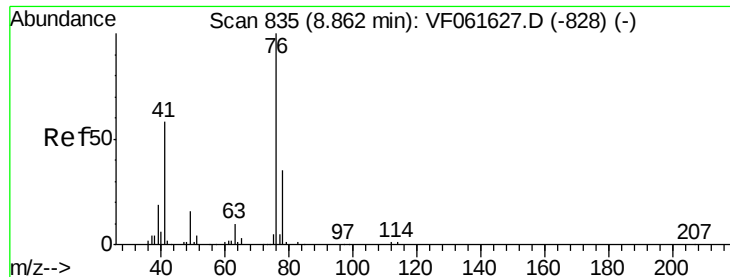


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 23.192 ug/l

RT: 8.85 min Scan# 834

Delta R.T. -0.01 min

Lab File: VF061725.D

Acq: 25 Feb 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

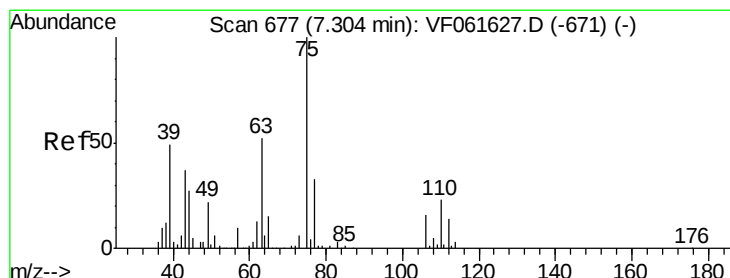
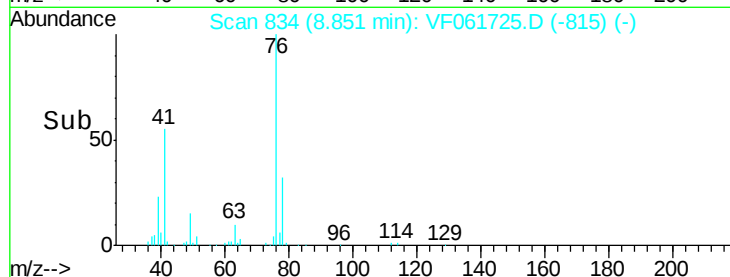
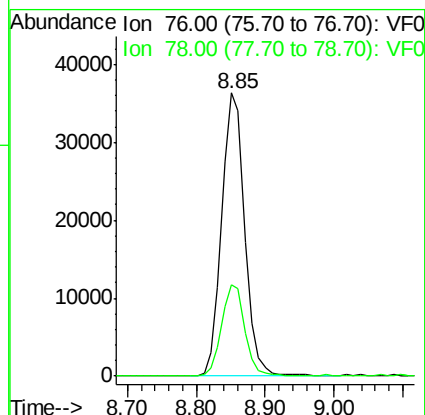
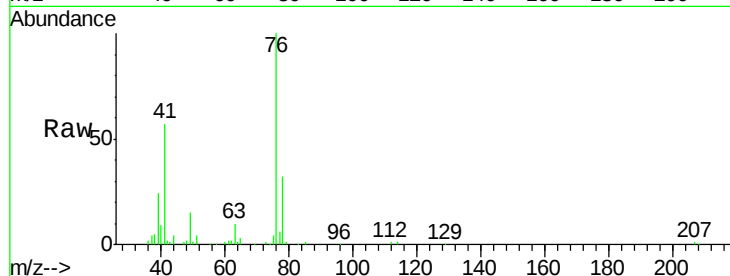
VF0225SBS01

Tot Ion: 76 Resp: 84300

Ion Ratio Lower Upper

76 100

78 32.3 27.8 41.6



#58

2-Chloroethyl Vinyl ether

Concen: 86.136 ug/l

RT: 7.29 min Scan# 676

Delta R.T. -0.01 min

Lab File: VF061725.D

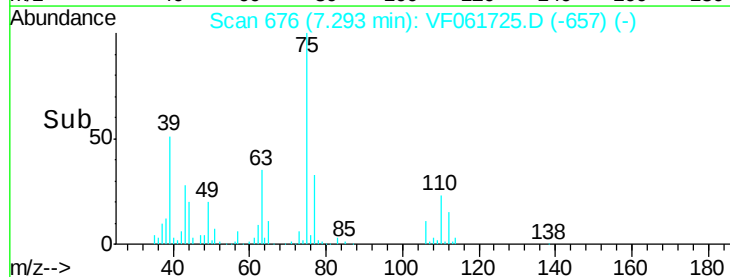
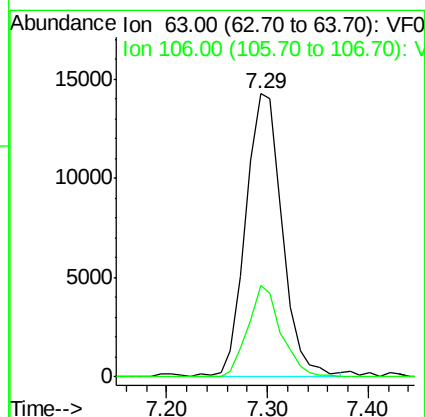
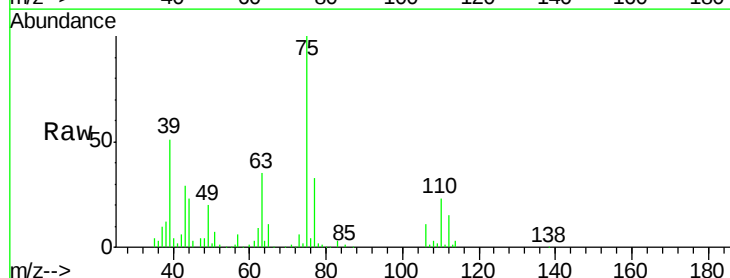
Acq: 25 Feb 2019 12:45

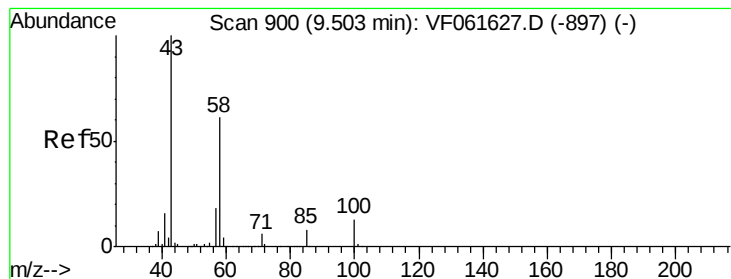
Tgt Ion: 63 Resp: 36033

Ion Ratio Lower Upper

63 100

106 32.1 24.6 36.8





#59

2-Hexanone

Concen: 118.960 ug/l

RT: 9.49 min Scan# 899

Delta R.T. -0.01 min

Lab File: VF061725.D

Acq: 25 Feb 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

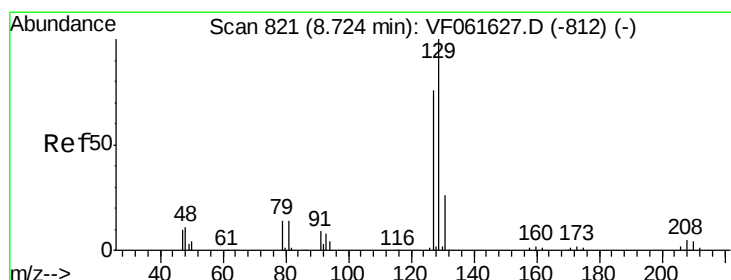
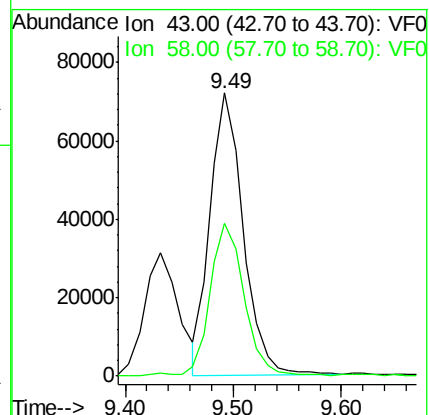
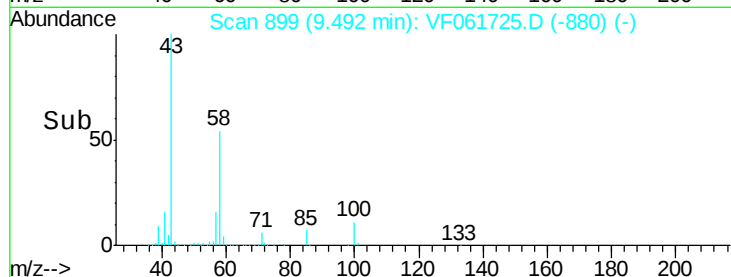
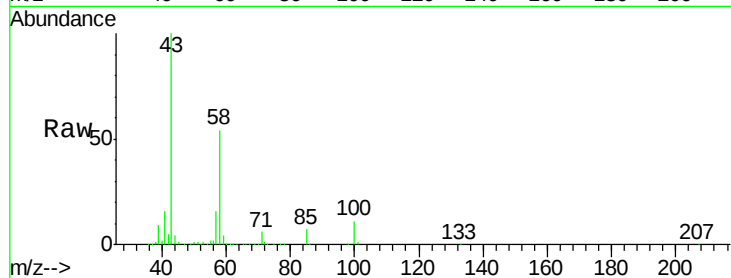
VF0225SBS01

Tot Ion: 43 Resp: 153059

Ion Ratio Lower Upper

43 100

58 54.0 28.5 85.5



#60

Dibromochloromethane

Concen: 23.316 ug/l

RT: 8.71 min Scan# 820

Delta R.T. -0.01 min

Lab File: VF061725.D

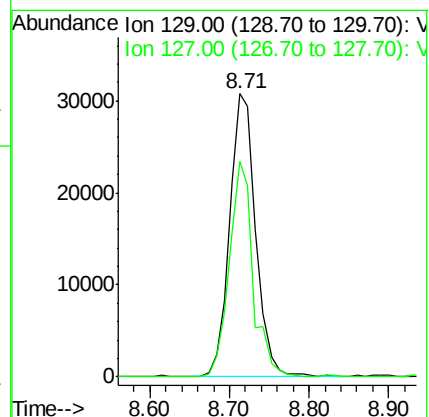
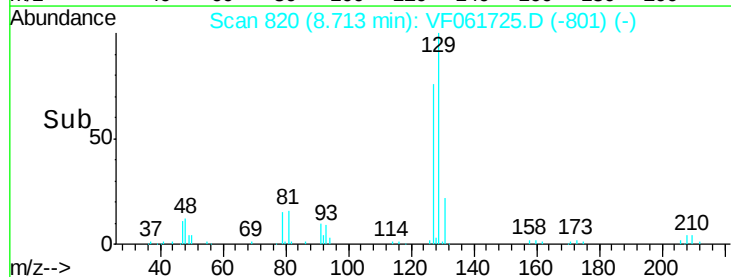
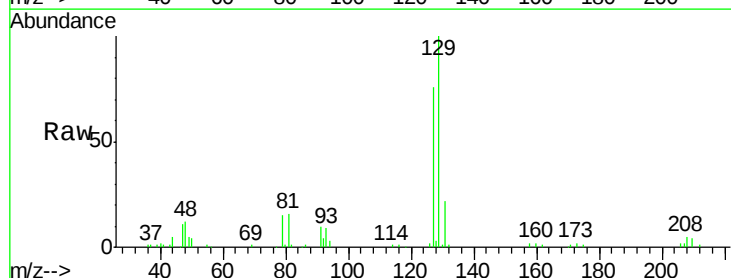
Acq: 25 Feb 2019 12:45

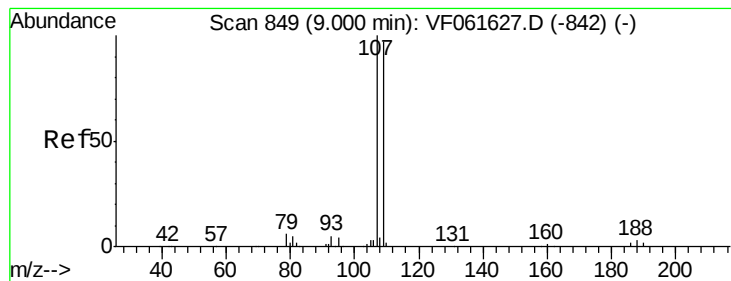
Tgt Ion: 129 Resp: 70673

Ion Ratio Lower Upper

129 100

127 76.2 37.8 113.4





#61

1,2-Dibromoethane

Concen: 24.010 ug/l

RT: 8.99 min Scan# 848

Delta R.T. -0.01 min

Lab File: VF061725.D

Acq: 25 Feb 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

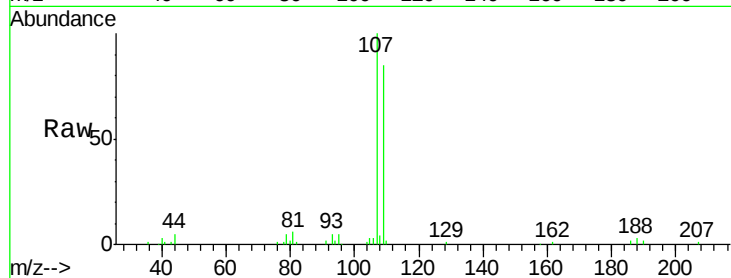
VF0225SBS01

Tot Ion:107 Resp: 56713

Ion Ratio Lower Upper

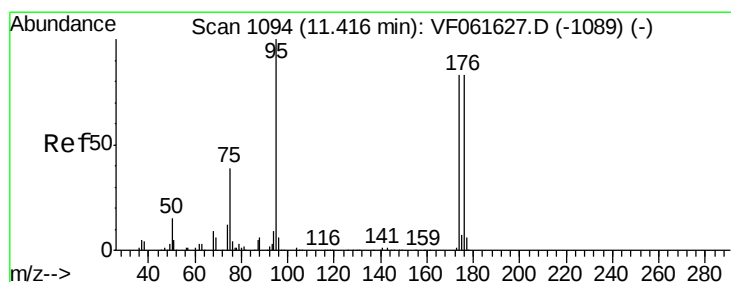
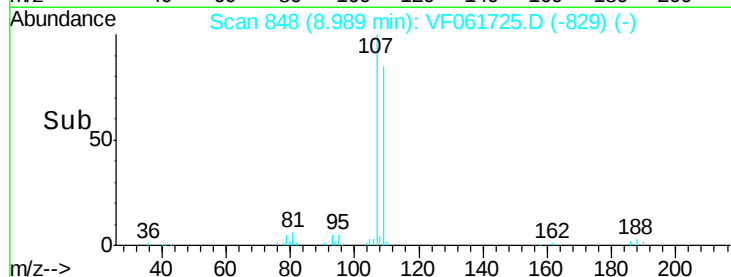
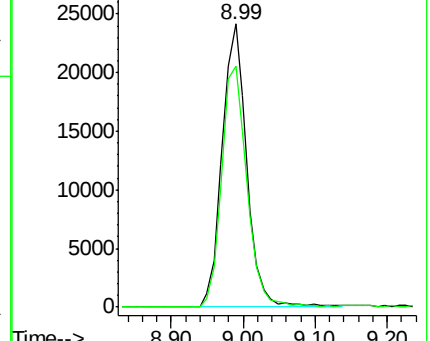
107 100

109 85.0 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: 56.020 ug/l

RT: 11.41 min Scan# 1094

Delta R.T. -0.00 min

Lab File: VF061725.D

Acq: 25 Feb 2019 12:45

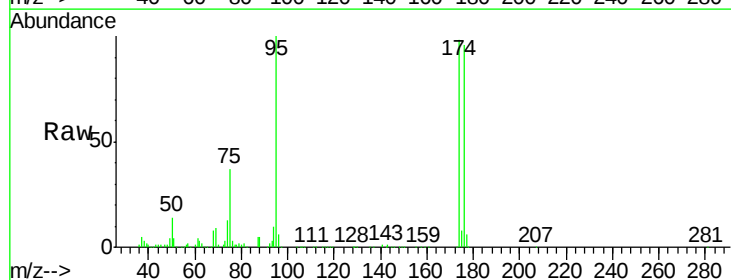
Tgt Ion: 95 Resp: 228228

Ion Ratio Lower Upper

95 100

174 98.2 0.0 165.8

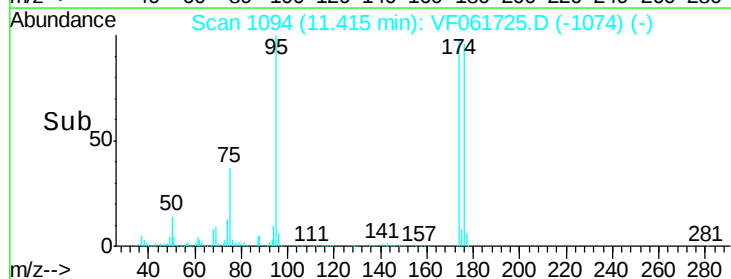
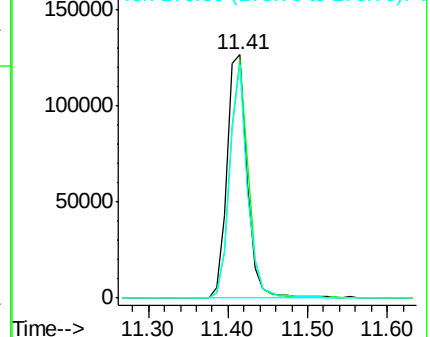
176 95.7 0.0 167.0

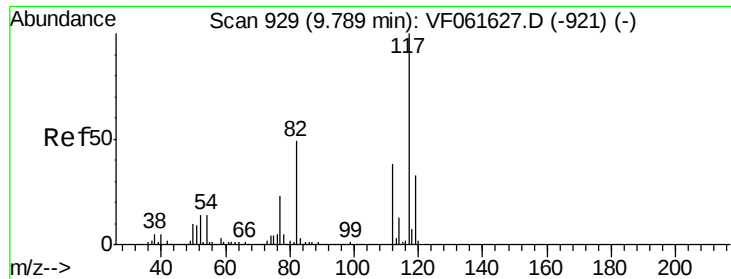


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

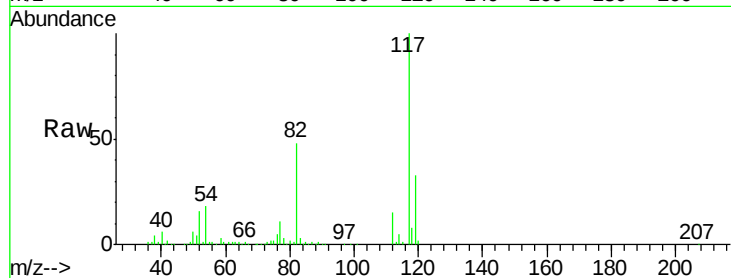




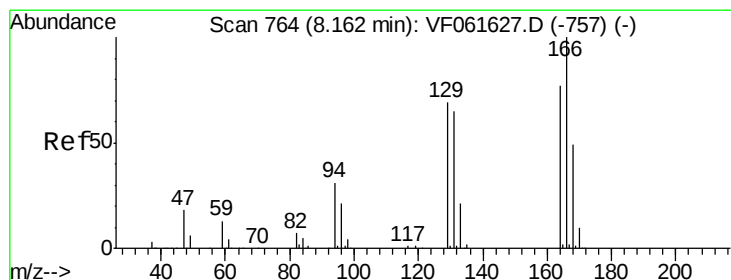
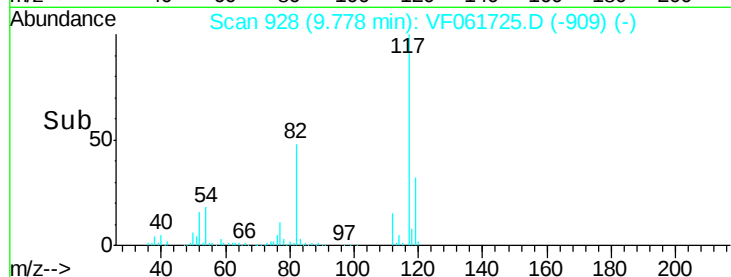
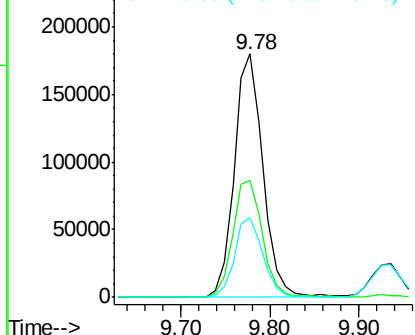
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.78 min Scan# 928
Delta R.T. -0.01 min
Lab File: VF061725.D
Acq: 25 Feb 2019 12:45

Instrument :
MSVOA_F
ClientSampleId :
VF0225SBS01

Tot Ion:117 Resp: 403141
Ion Ratio Lower Upper
117 100
82 48.0 39.3 58.9
119 32.6 26.6 40.0

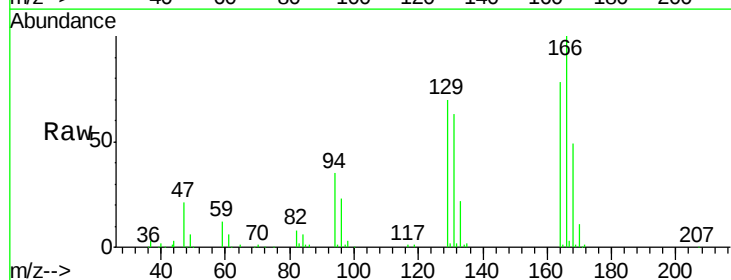


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

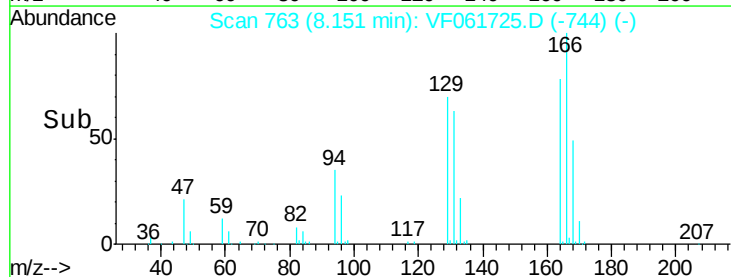
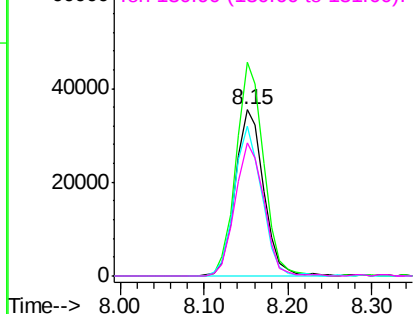


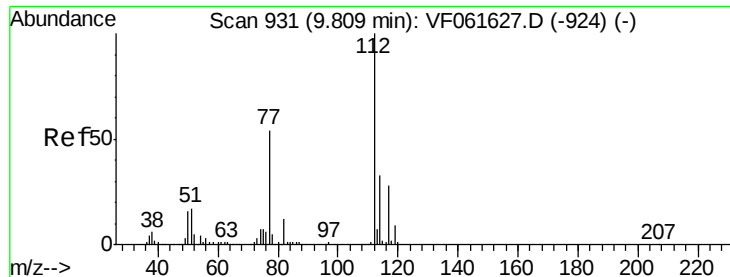
#64
Tetrachloroethene
Concen: 25.173 ug/l
RT: 8.15 min Scan# 763
Delta R.T. -0.01 min
Lab File: VF061725.D
Acq: 25 Feb 2019 12:45

Tgt Ion:164 Resp: 82950
Ion Ratio Lower Upper
164 100
166 128.6 103.9 155.9
129 89.9 71.3 106.9
131 80.6 67.1 100.7



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

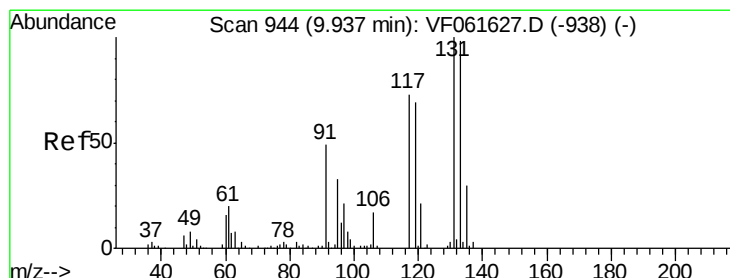
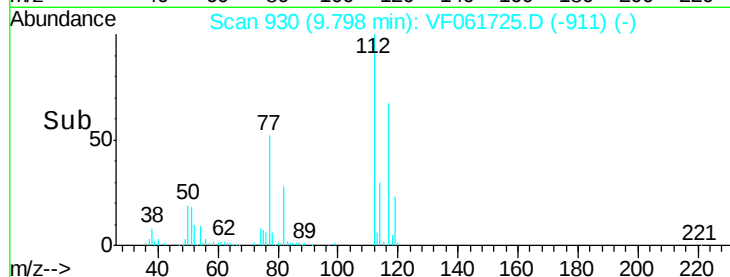
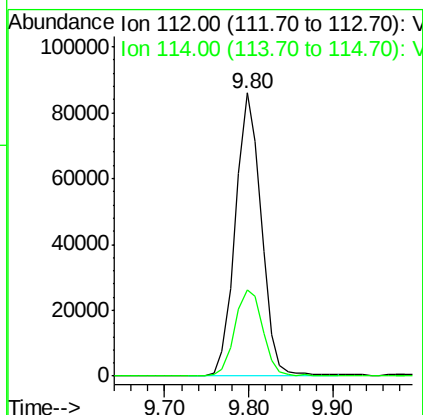
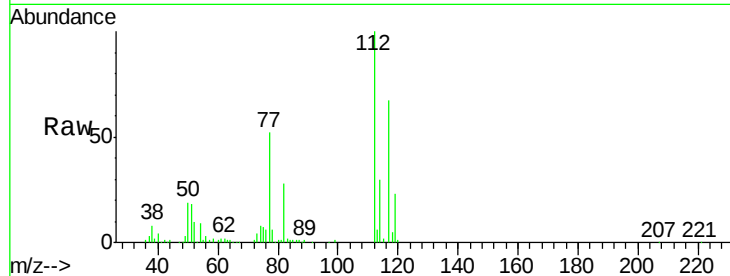




#65
Chlorobenzene
Concen: 22.688 ug/l
RT: 9.80 min Scan# 930
Delta R.T. -0.01 min
Lab File: VF061725.D
Acq: 25 Feb 2019 12:45

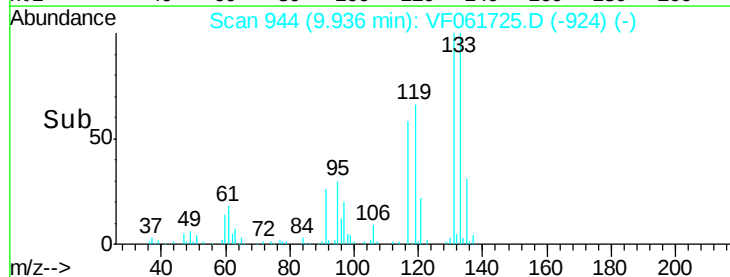
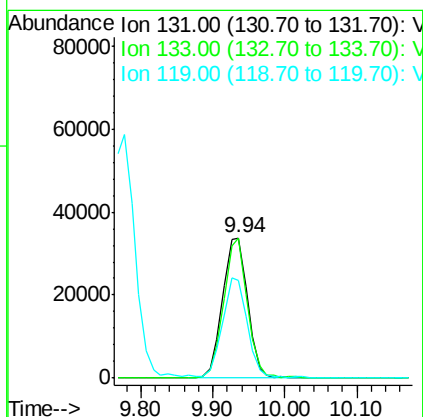
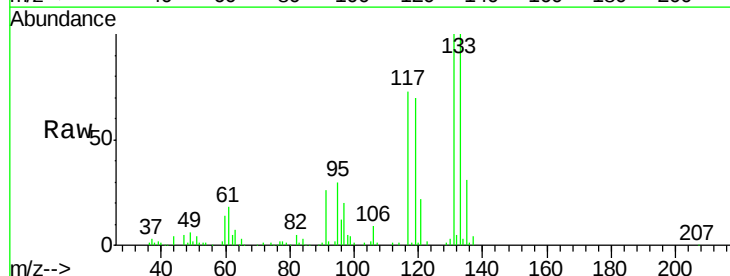
Instrument :
MSVOA_F
ClientSampleId :
VF0225SBS01

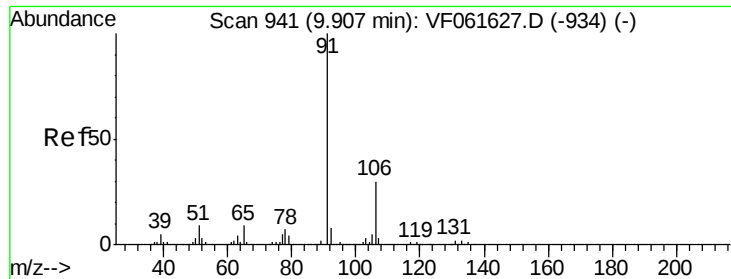
Tot Ion:112 Resp: 185604
Ion Ratio Lower Upper
112 100
114 30.4 26.2 39.2



#66
1,1,1,2-Tetrachloroethane
Concen: 25.411 ug/l
RT: 9.94 min Scan# 944
Delta R.T. -0.00 min
Lab File: VF061725.D
Acq: 25 Feb 2019 12:45

Tgt Ion:131 Resp: 81458
Ion Ratio Lower Upper
131 100
133 99.5 48.9 146.6
119 70.0 34.8 104.3





#67

Ethyl Benzene

Concen: 24.085 ug/l

RT: 9.90 min Scan# 940

Delta R.T. -0.01 min

Lab File: VF061725.D

Acq: 25 Feb 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

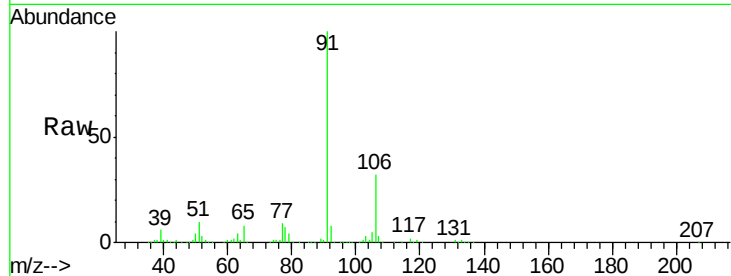
VF0225SBS01

Tot Ion: 91 Resp: 327666

Ion Ratio Lower Upper

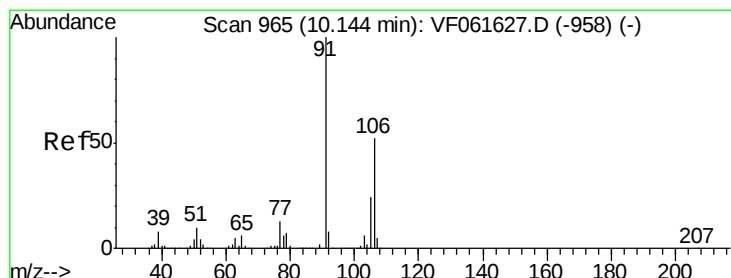
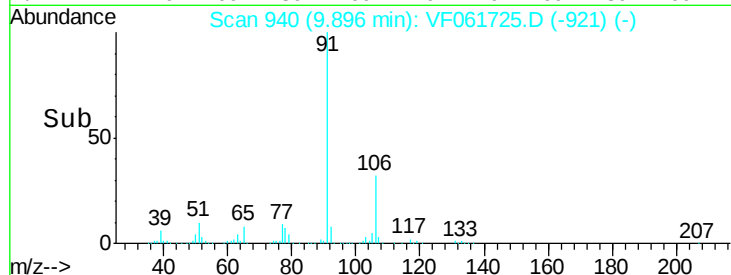
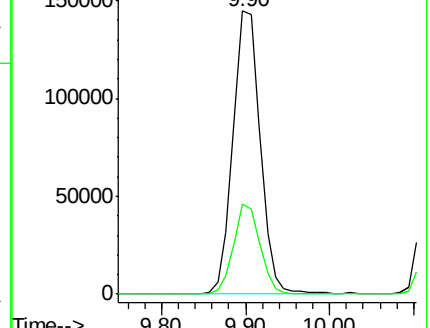
91 100

106 31.7 24.1 36.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 50.438 ug/l

RT: 10.13 min Scan# 964

Delta R.T. -0.01 min

Lab File: VF061725.D

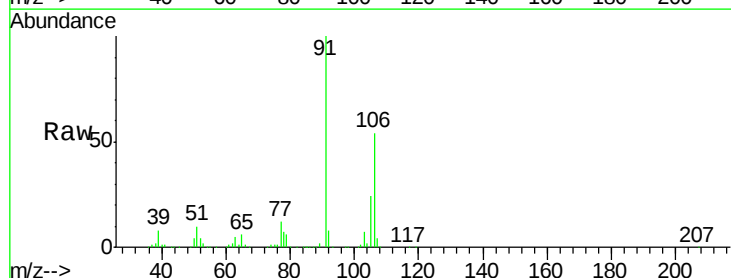
Acq: 25 Feb 2019 12:45

Tgt Ion: 106 Resp: 262610

Ion Ratio Lower Upper

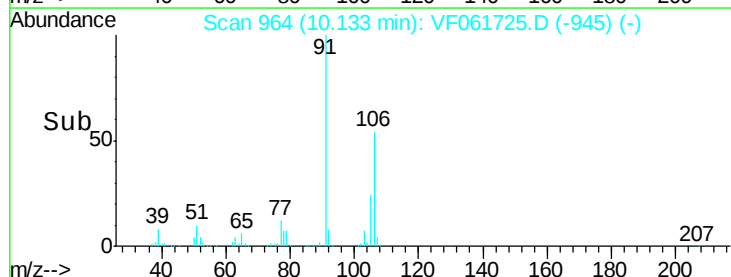
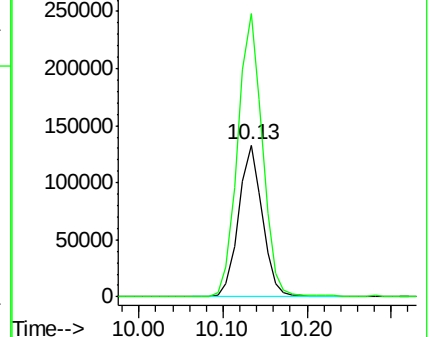
106 100

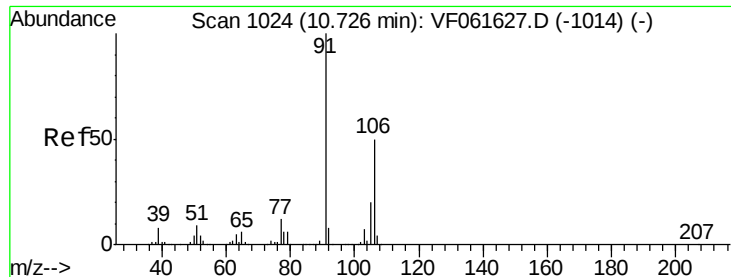
91 186.3 153.0 229.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

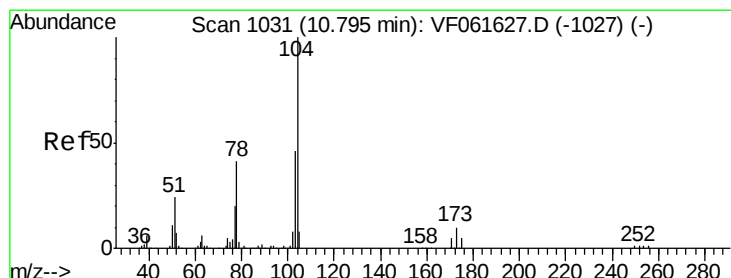
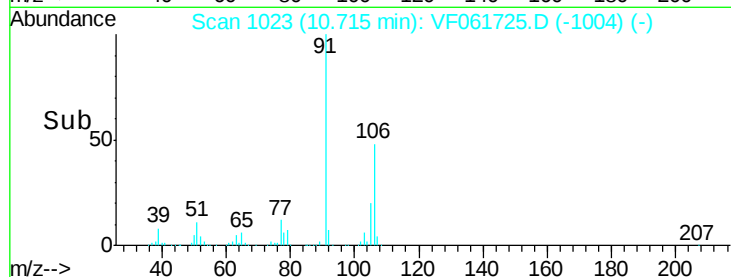
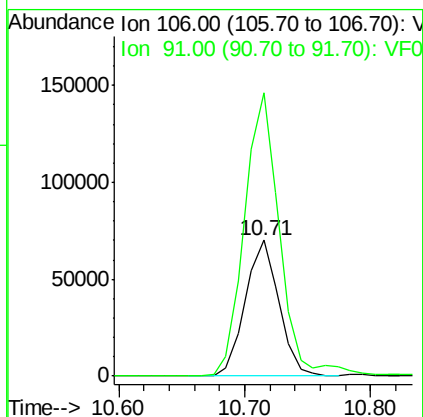
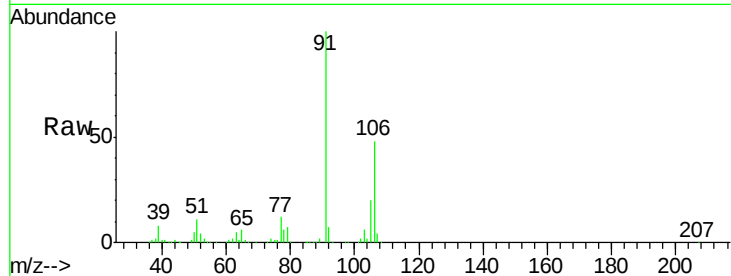




#69
o-Xylene
Concen: 23.458 ug/l
RT: 10.71 min Scan# 1023
Delta R.T. -0.01 min
Lab File: VF061725.D
Acq: 25 Feb 2019 12:45

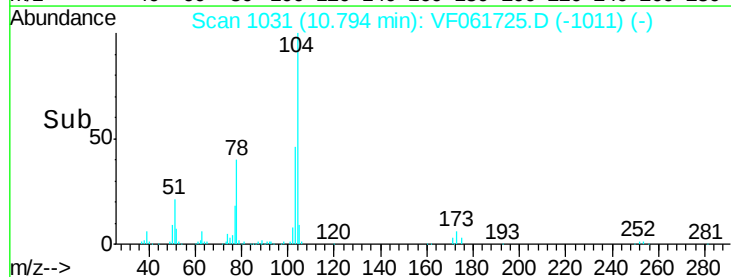
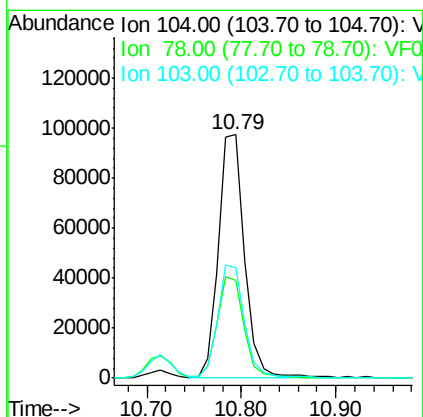
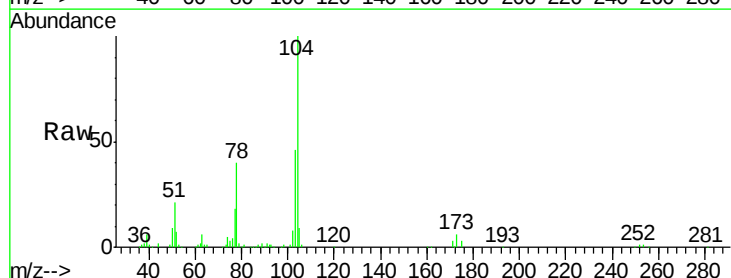
Instrument :
MSVOA_F
ClientSampleId :
VF0225SBS01

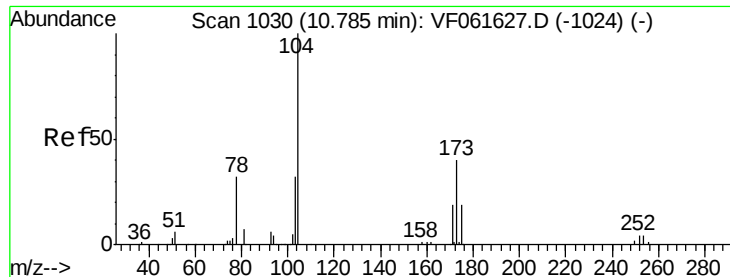
Tot Ion:106 Resp: 130325
Ion Ratio Lower Upper
106 100
91 208.4 100.1 300.1



#70
Styrene
Concen: 23.579 ug/l
RT: 10.79 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VF061725.D
Acq: 25 Feb 2019 12:45

Tgt Ion:104 Resp: 185321
Ion Ratio Lower Upper
104 100
78 40.2 33.2 49.8
103 45.6 37.2 55.8





#71

Bromoform

Concen: 24.592 ug/l

RT: 10.77 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VF061725.D

Acq: 25 Feb 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

VF0225SBS01

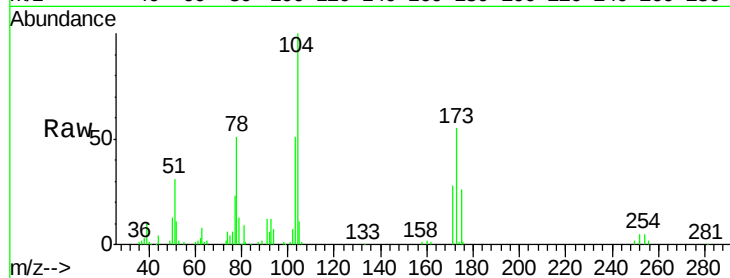
Tot Ion:173 Resp: 42808

Ion Ratio Lower Upper

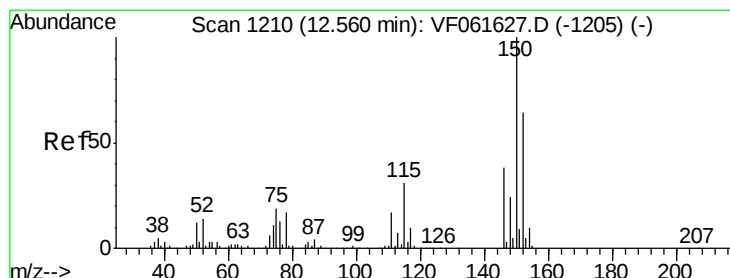
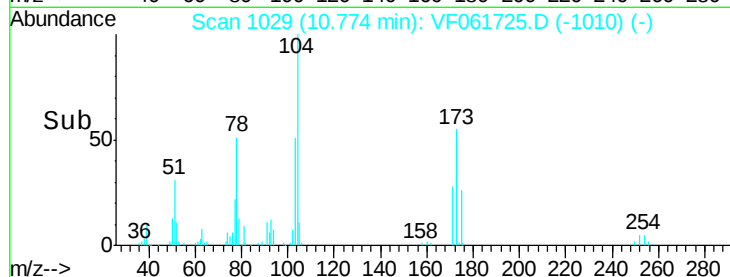
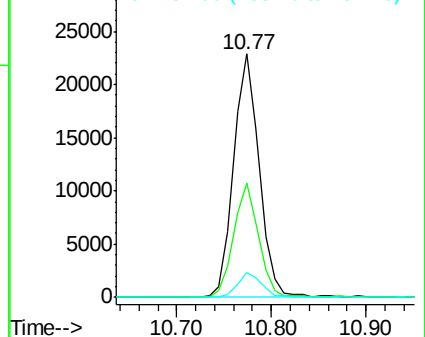
173 100

175 46.9 24.0 72.0

254 9.9 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: VF061725.D

Acq: 25 Feb 2019 12:45

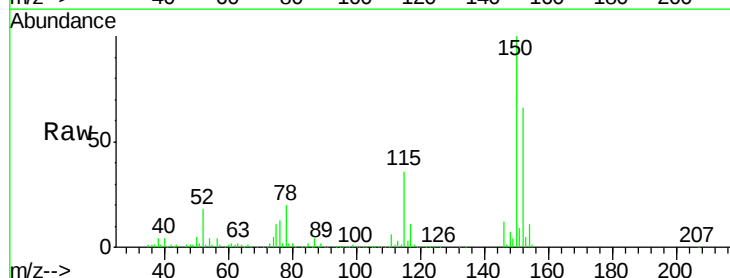
Tgt Ion:152 Resp: 243396

Ion Ratio Lower Upper

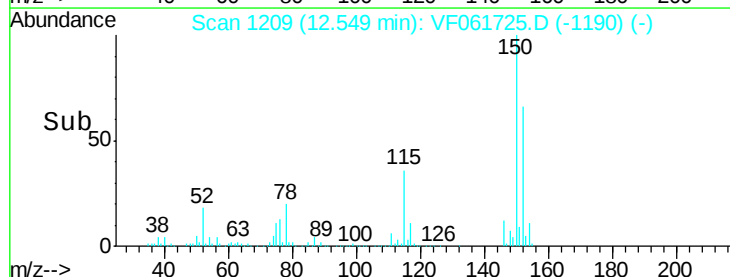
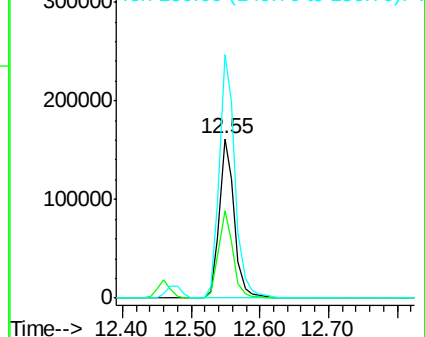
152 100

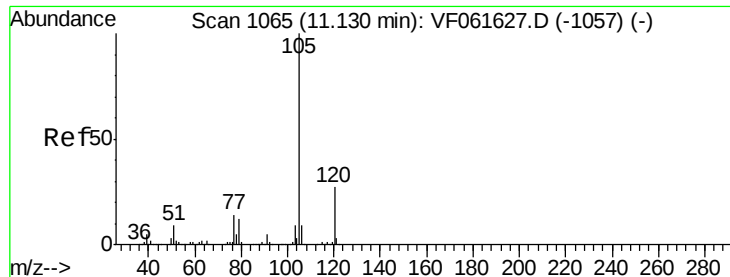
115 54.4 24.3 72.8

150 152.4 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: 22.274 ug/l

RT: 11.13 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VF061725.D

Acq: 25 Feb 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

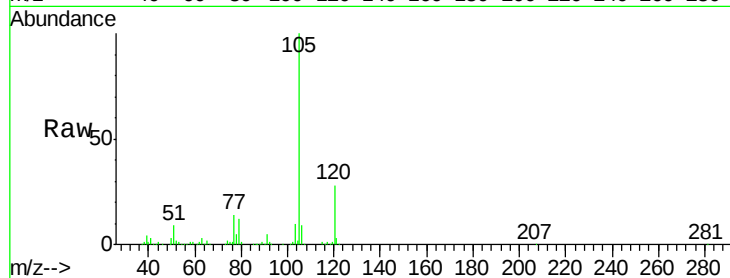
VF0225SBS01

Tot Ion:105 Resp: 385986

Ion Ratio Lower Upper

105 100

120 27.9 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.13

200000

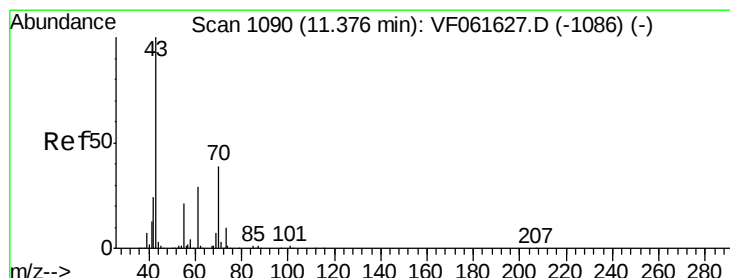
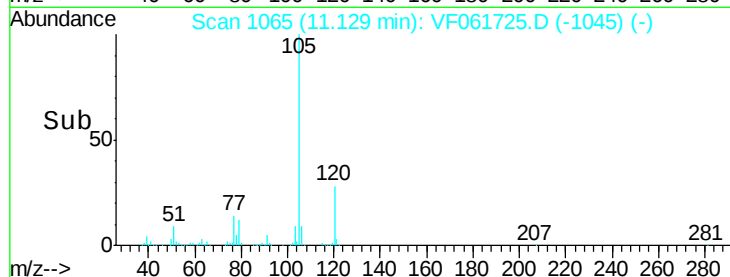
150000

100000

50000

0

Time--> 11.00 11.10 11.20



#74

N-ethyl acetate

Concen: 22.375 ug/l

RT: 11.38 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VF061725.D

Acq: 25 Feb 2019 12:45

Tgt Ion: 43 Resp: 93070

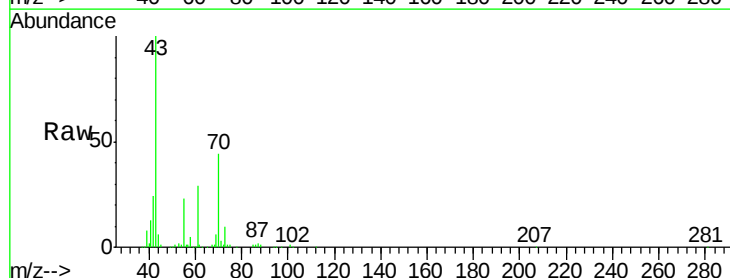
Ion Ratio Lower Upper

43 100

70 43.7 31.5 47.3

55 23.1 16.7 25.1

61 28.8 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

80000

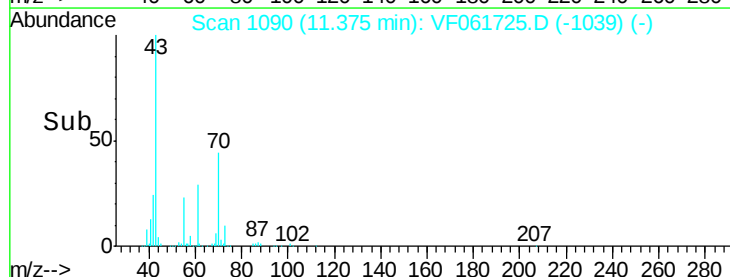
60000

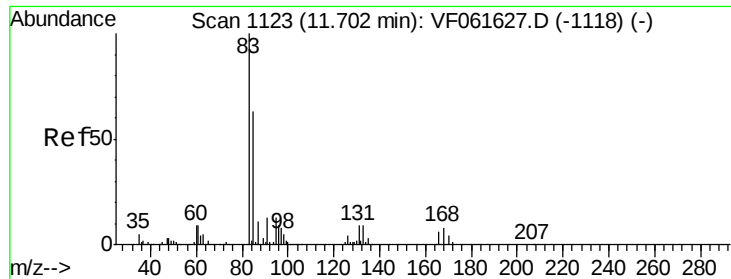
40000

20000

0

Time--> 11.30 11.40 11.50





#75

1,1,2,2-Tetrachloroethane

Concen: 21.268 ug/l

RT: 11.69 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VF061725.D

Acq: 25 Feb 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

VF0225SBS01

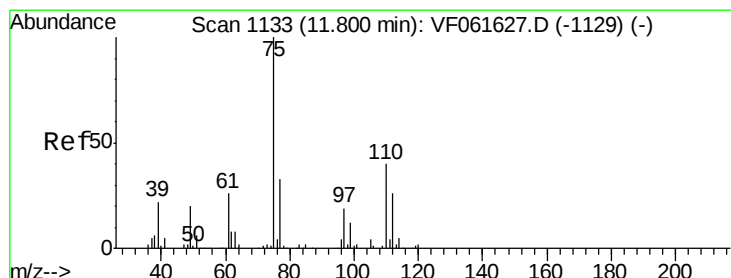
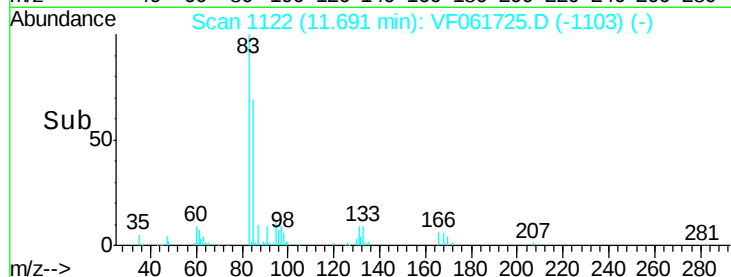
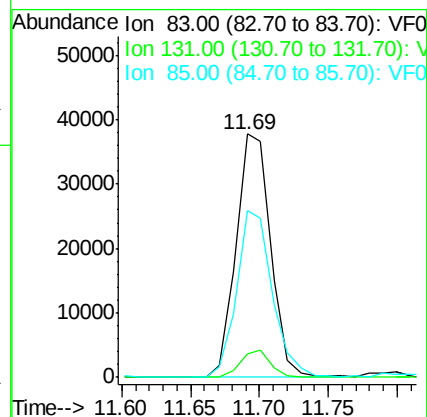
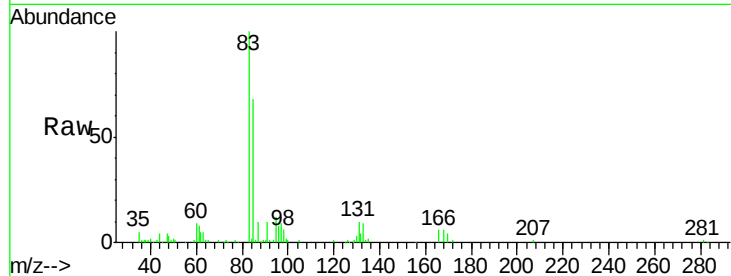
Tot Ion: 83 Resp: 66030

Ion Ratio Lower Upper

83 100

131 9.6 4.4 13.2

85 68.4 31.5 94.5



#76

1,2,3-Trichloropropane

Concen: 20.784 ug/l

RT: 11.79 min Scan# 1132

Delta R.T. -0.01 min

Lab File: VF061725.D

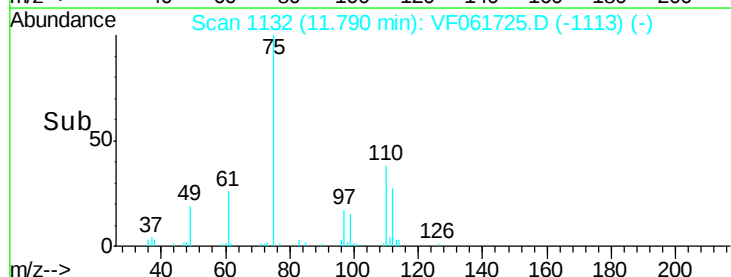
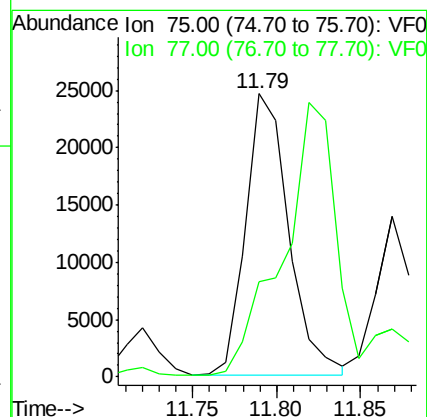
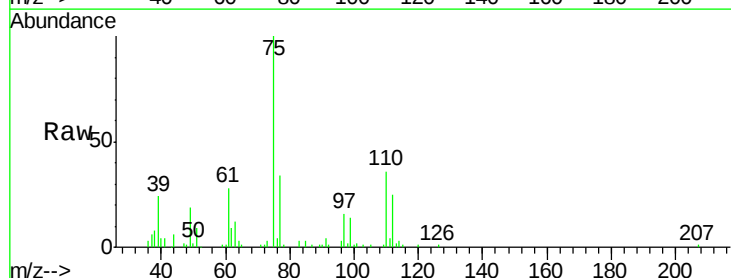
Acq: 25 Feb 2019 12:45

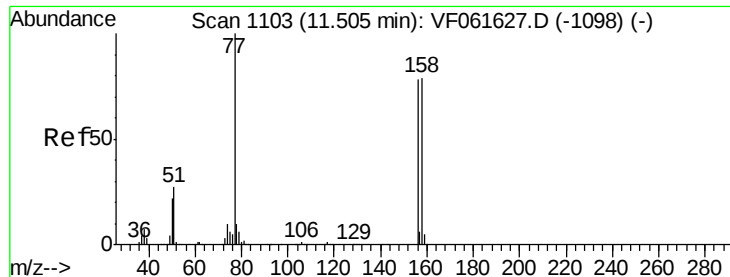
Tgt Ion: 75 Resp: 43871

Ion Ratio Lower Upper

75 100

77 33.8 16.6 49.7





#77

Bromobenzene

Concen: 21.983 ug/l

RT: 11.49 min Scan# 1102

Delta R.T. -0.01 min

Lab File: VF061725.D

Acq: 25 Feb 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

VF0225SBS01

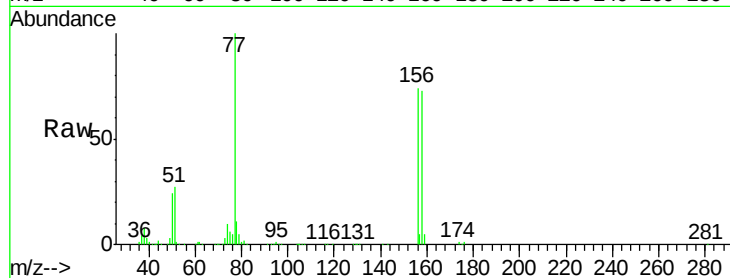
Tot Ion:156 Resp: 94112

Ion Ratio Lower Upper

156 100

77 135.9 64.3 192.7

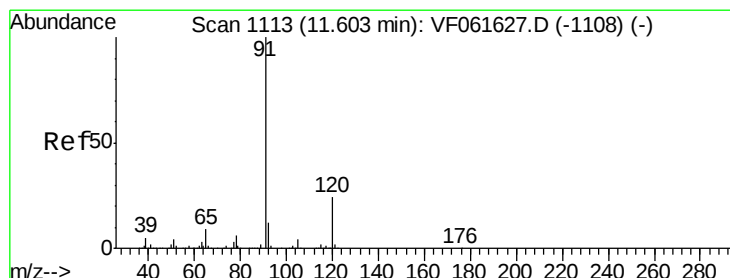
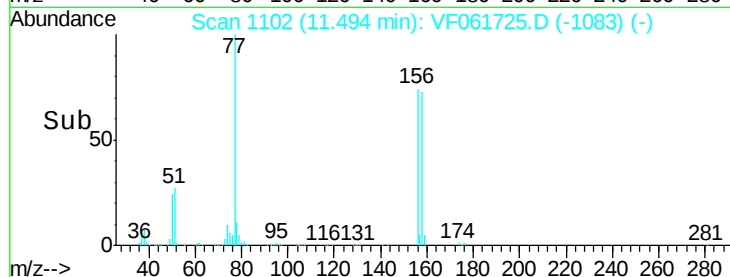
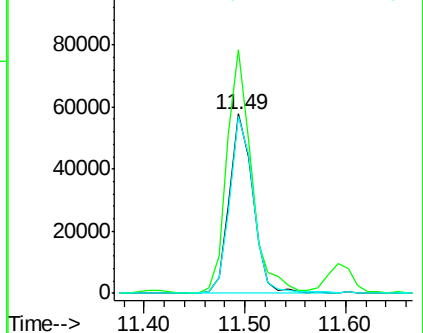
158 98.6 50.9 152.7



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: 22.361 ug/l

RT: 11.59 min Scan# 1112

Delta R.T. -0.01 min

Lab File: VF061725.D

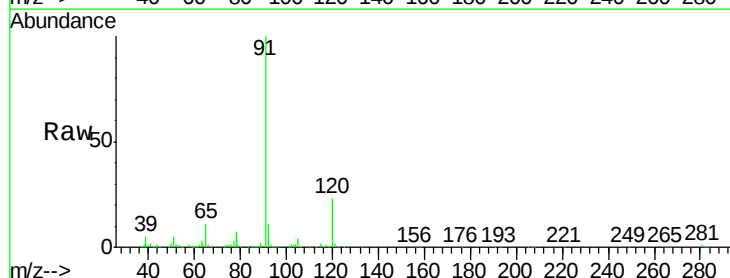
Acq: 25 Feb 2019 12:45

Tgt Ion: 91 Resp: 444674

Ion Ratio Lower Upper

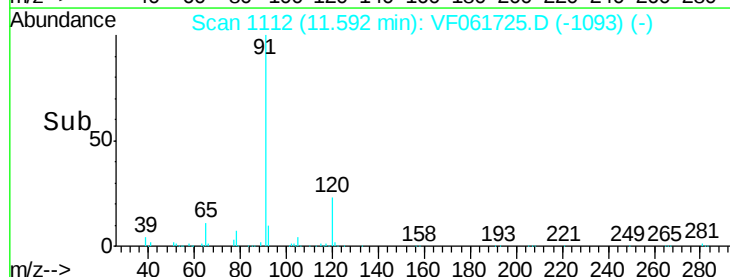
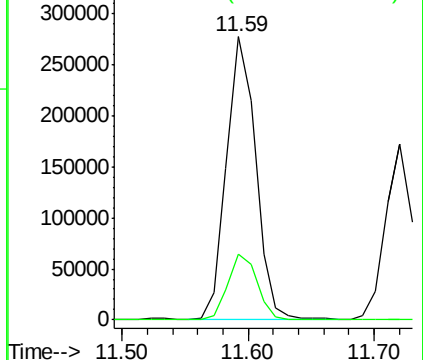
91 100

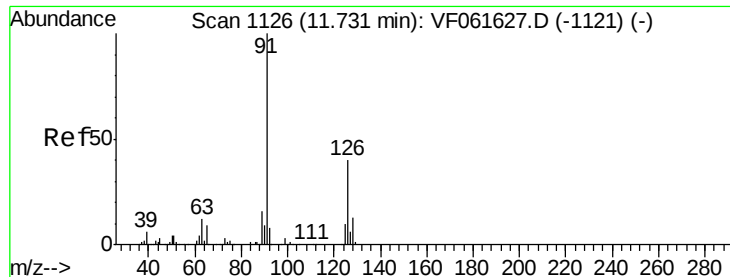
120 23.3 12.1 36.3



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 23.416 ug/l

RT: 11.72 min Scan# 1125

Delta R.T. -0.01 min

Lab File: VF061725.D

Acq: 25 Feb 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

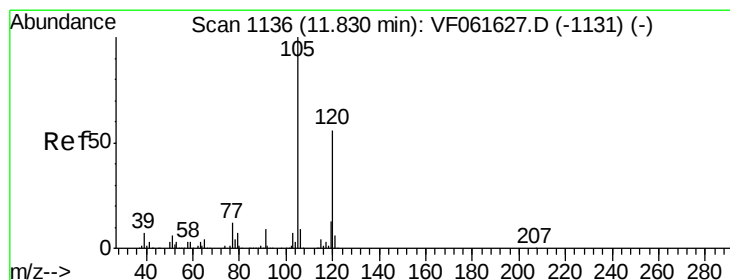
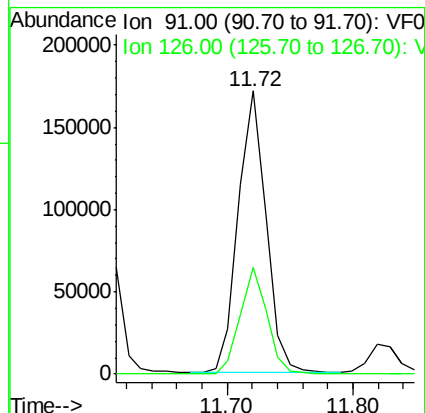
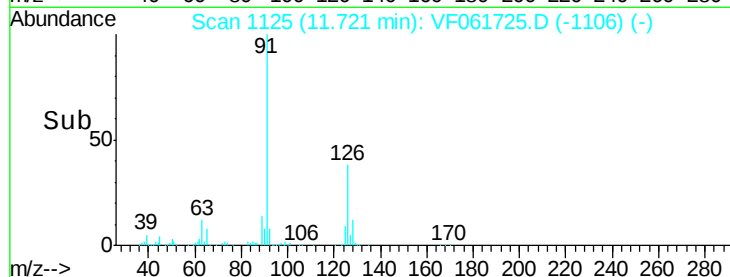
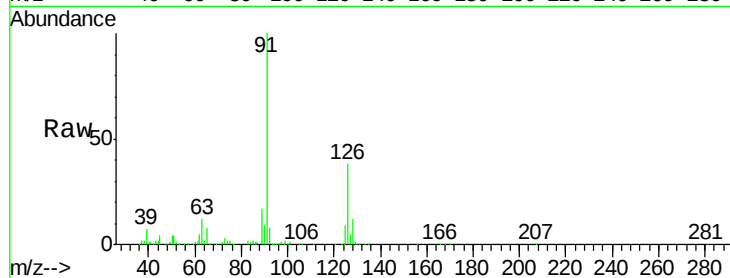
VF0225SBS01

Tot Ion: 91 Resp: 260783

Ion Ratio Lower Upper

91 100

126 37.8 19.8 59.4



#80

1,3,5-Trimethylbenzene

Concen: 22.473 ug/l

RT: 11.83 min Scan# 1136

Delta R.T. -0.00 min

Lab File: VF061725.D

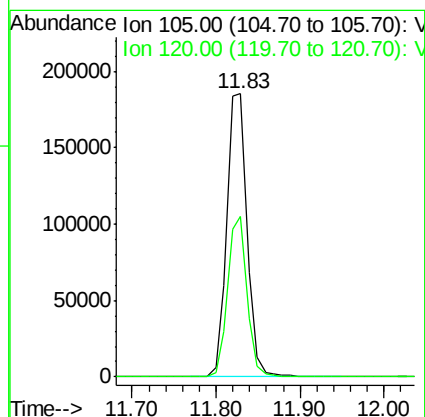
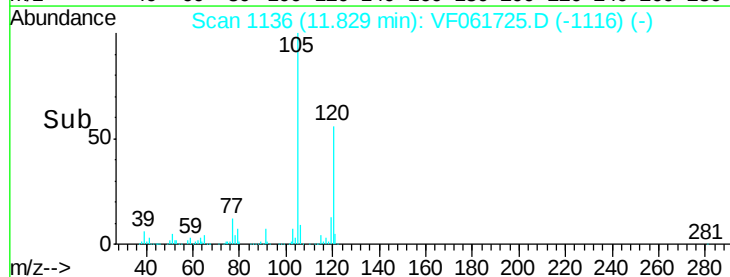
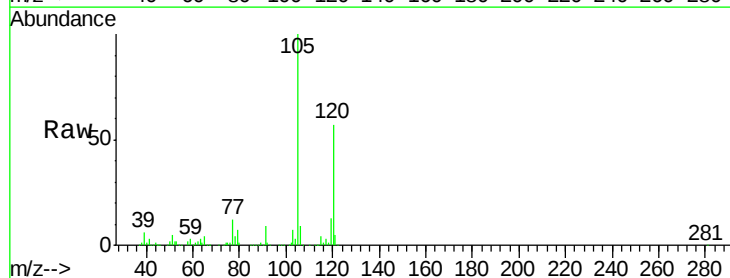
Acq: 25 Feb 2019 12:45

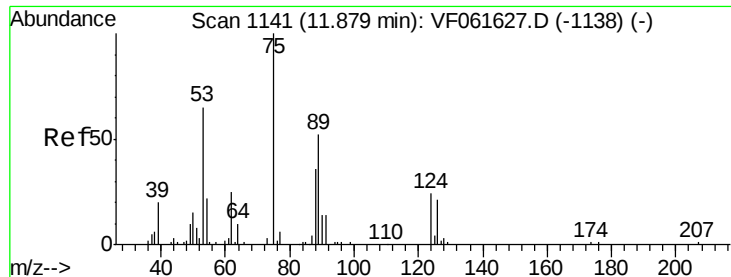
Tgt Ion:105 Resp: 311258

Ion Ratio Lower Upper

105 100

120 56.6 27.9 83.6





#81

trans-1,4-Dichloro-2-butene

Concen: 21.634 ug/l m

RT: 11.87 min Scan# 1140

Delta R.T. -0.01 min

Lab File: VF061725.D

Acq: 25 Feb 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

VF0225SBS01

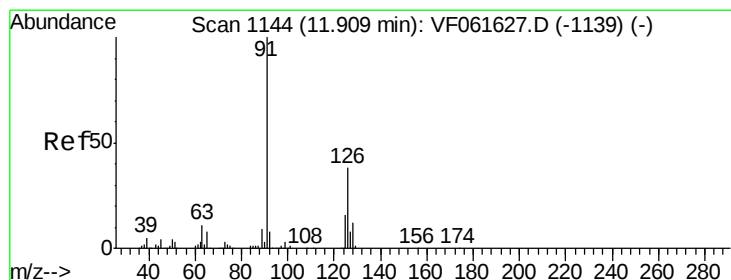
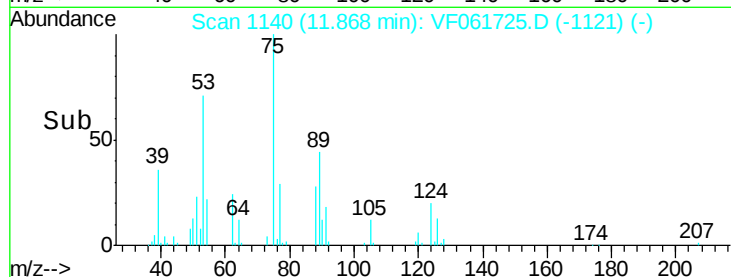
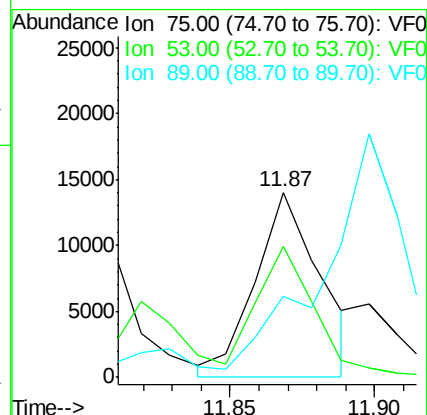
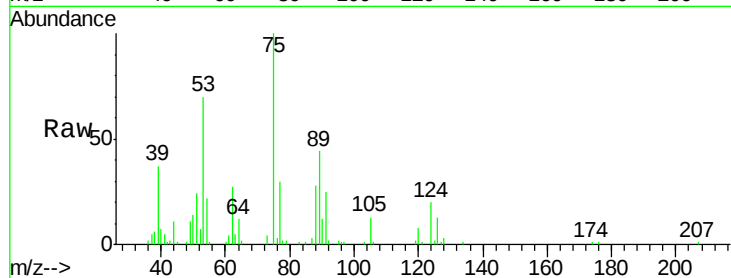
Tot Ion: 75 Resp: 21892

Ion Ratio Lower Upper

75 100

53 70.4 53.7 80.5

89 44.0 41.6 62.4



#82

4-Chlorotoluene

Concen: 21.959 ug/l

RT: 11.90 min Scan# 1143

Delta R.T. -0.01 min

Lab File: VF061725.D

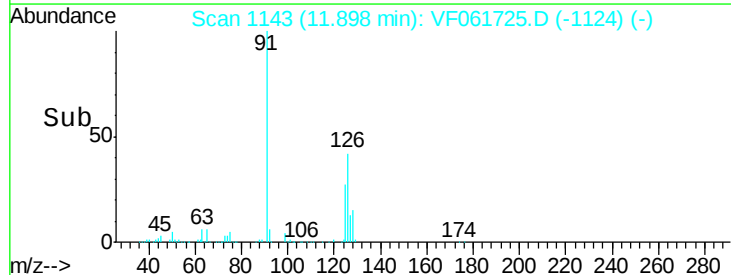
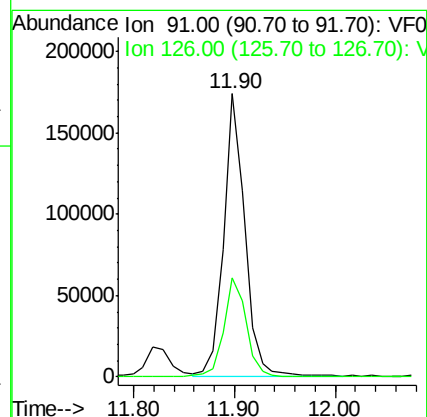
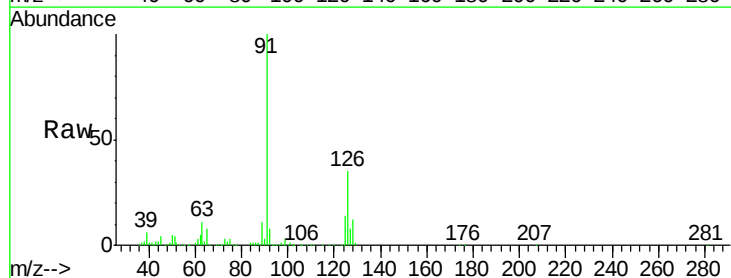
Acq: 25 Feb 2019 12:45

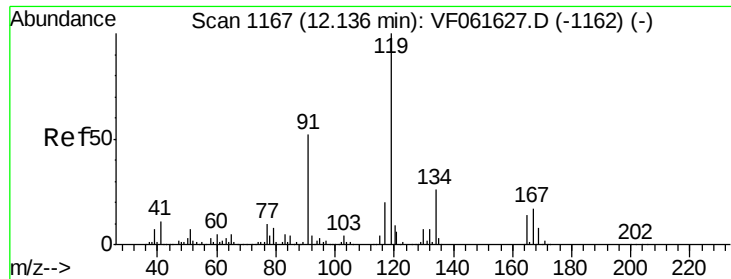
Tgt Ion: 91 Resp: 253835

Ion Ratio Lower Upper

91 100

126 34.8 19.1 57.1

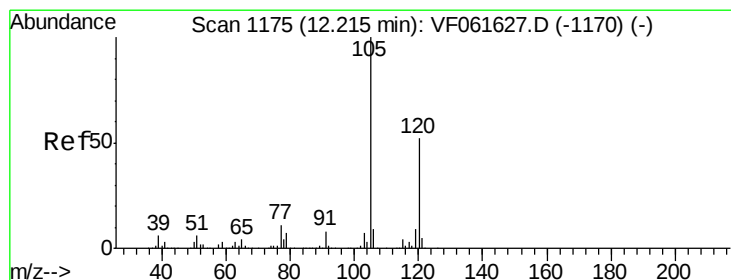
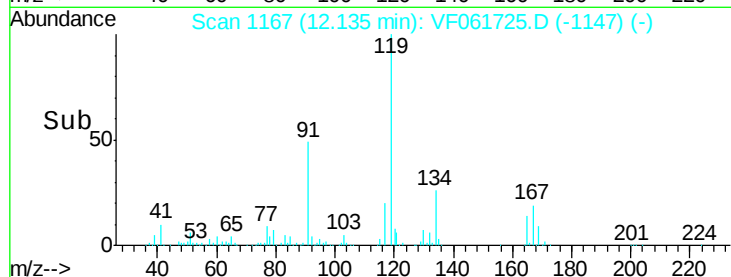
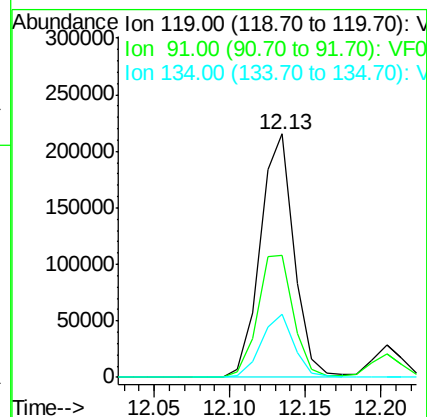
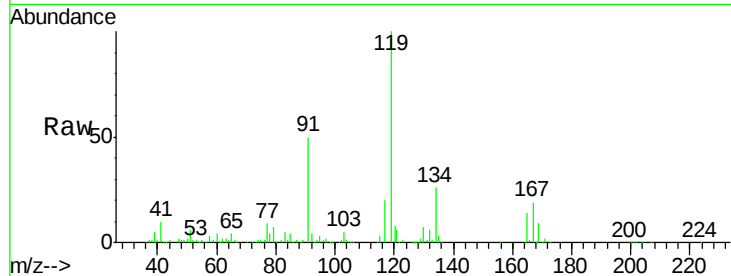




#83
 tert-Butylbenzene
 Concen: 21.938 ug/l
 RT: 12.13 min Scan# 1167
 Delta R.T. -0.00 min
 Lab File: VF061725.D
 Acq: 25 Feb 2019 12:45

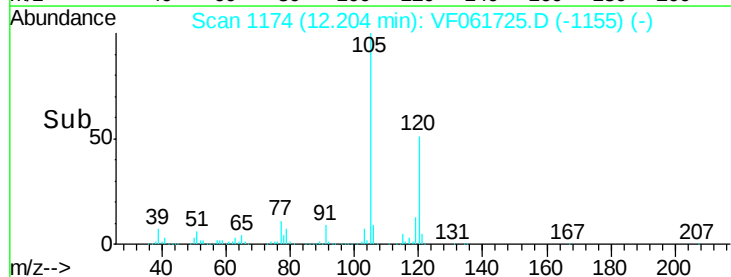
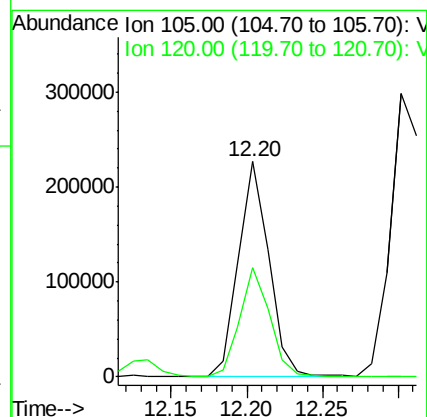
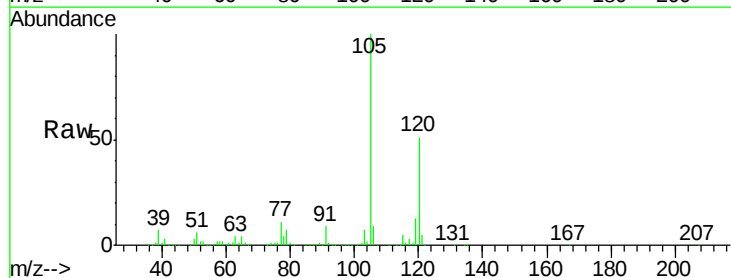
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0225SBS01

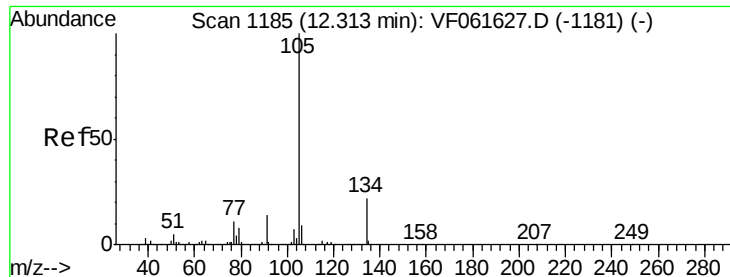
Tot Ion:119 Resp: 336538
 Ion Ratio Lower Upper
 119 100
 91 50.2 26.3 78.8
 134 26.1 12.9 38.7



#84
 1,2,4-Trimethylbenzene
 Concen: 23.071 ug/l
 RT: 12.20 min Scan# 1174
 Delta R.T. -0.01 min
 Lab File: VF061725.D
 Acq: 25 Feb 2019 12:45

Tgt Ion:105 Resp: 317455
 Ion Ratio Lower Upper
 105 100
 120 51.0 26.1 78.3





#85

sec-Butylbenzene

Concen: 23.102 ug/l

RT: 12.30 min Scan# 1184

Delta R.T. -0.01 min

Lab File: VF061725.D

Acq: 25 Feb 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

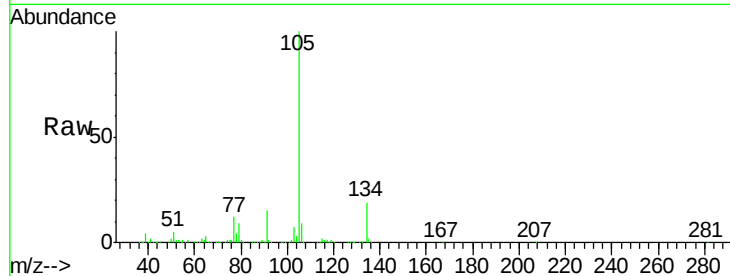
VF0225SBS01

Tot Ion:105 Resp: 458290

Ion Ratio Lower Upper

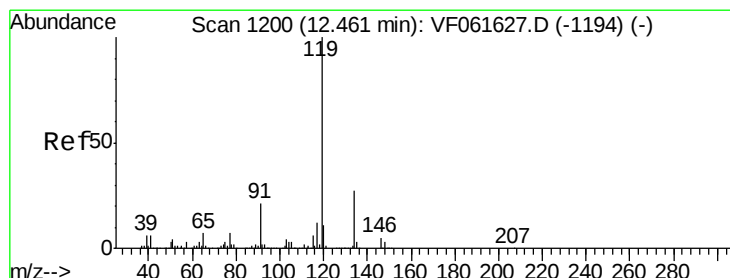
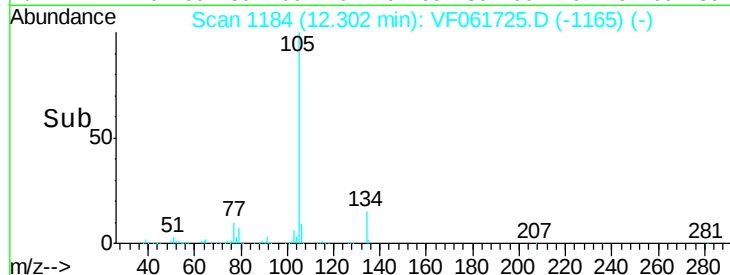
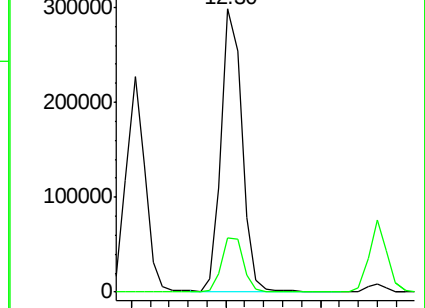
105 100

134 19.1 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: 23.028 ug/l

RT: 12.46 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VF061725.D

Acq: 25 Feb 2019 12:45

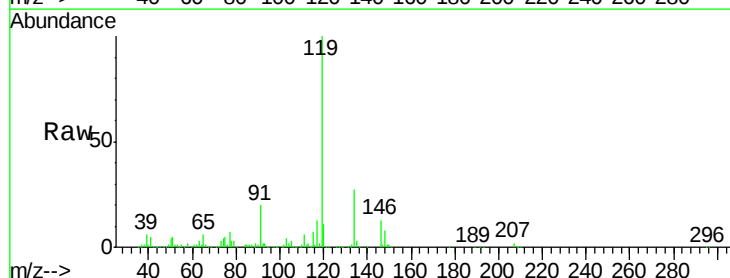
Tgt Ion:119 Resp: 383388

Ion Ratio Lower Upper

119 100

134 27.1 13.7 41.1

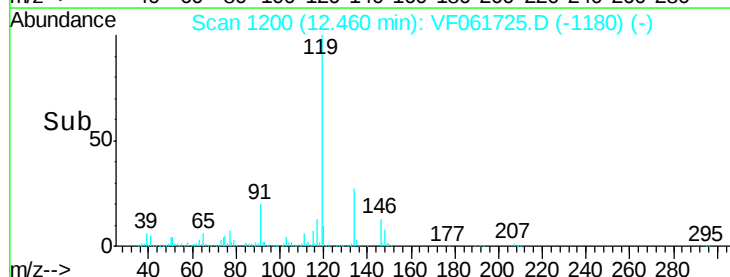
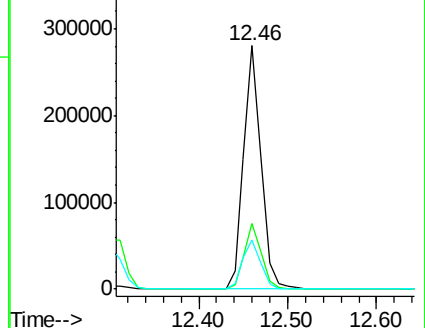
91 20.0 10.8 32.4

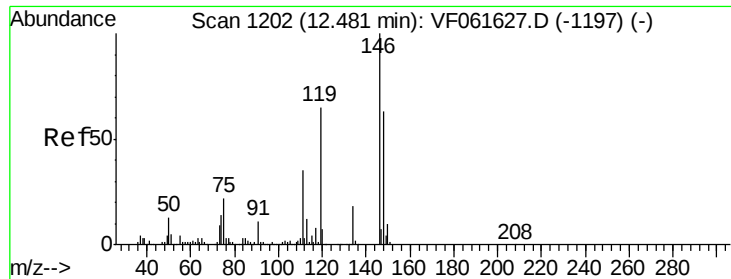


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

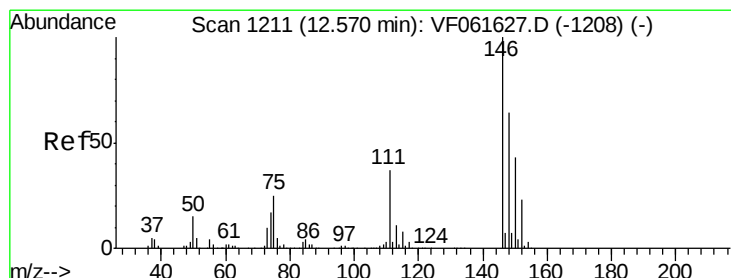
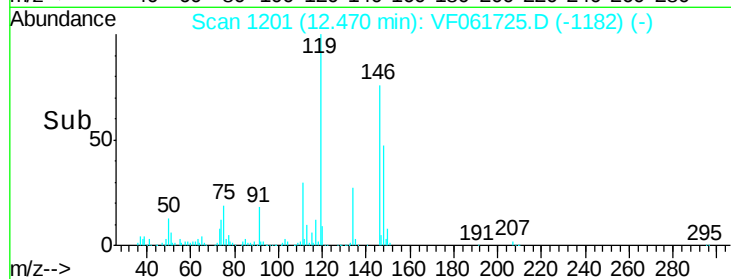
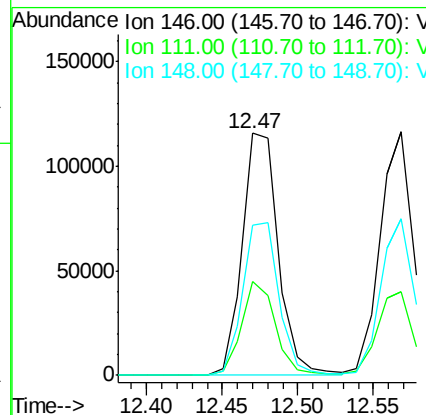
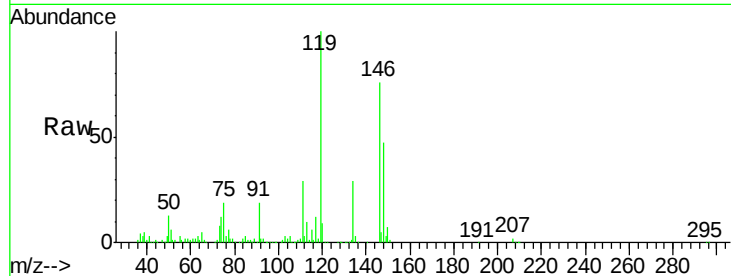




#87
 1,3-Dichlorobenzene
 Concen: 23.069 ug/l
 RT: 12.47 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: VF061725.D
 Acq: 25 Feb 2019 12:45

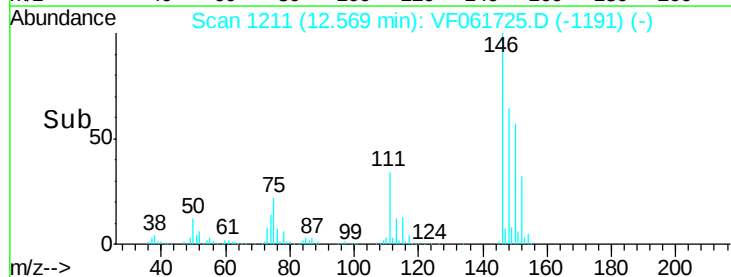
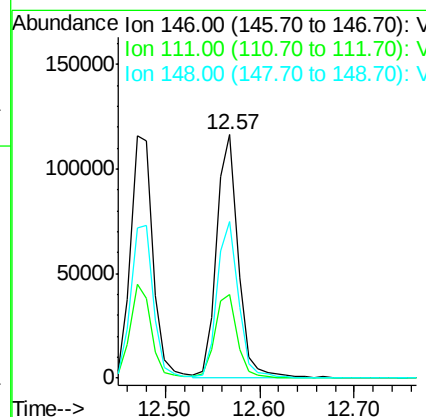
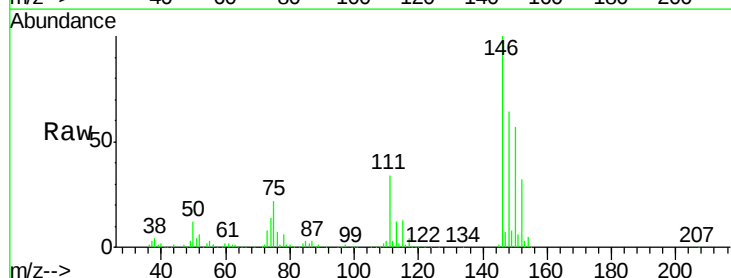
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0225SBS01

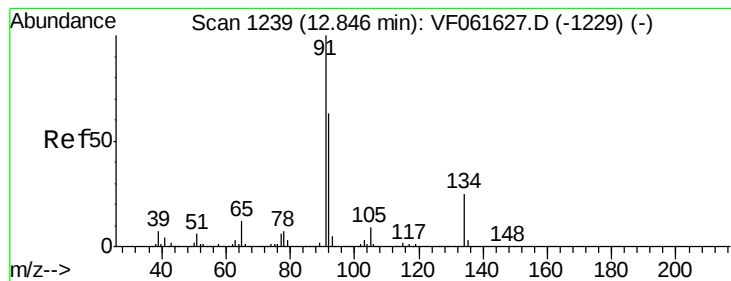
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	17.5	52.6
148	61.9	31.4	94.3



#88
 1,4-Dichlorobenzene
 Concen: 23.056 ug/l
 RT: 12.57 min Scan# 1211
 Delta R.T. -0.00 min
 Lab File: VF061725.D
 Acq: 25 Feb 2019 12:45

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.1	18.4	55.4
148	64.1	32.2	96.6





#89

n-Butylbenzene

Concen: 23.573 ug/l

RT: 12.84 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VF061725.D

Acq: 25 Feb 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

VF0225SBS01

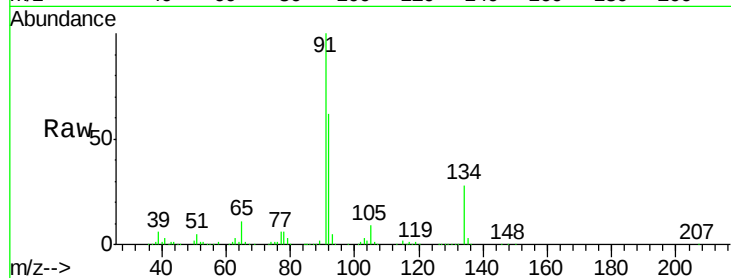
Tot Ion: 91 Resp: 370588

Ion Ratio Lower Upper

91 100

92 61.6 31.4 94.3

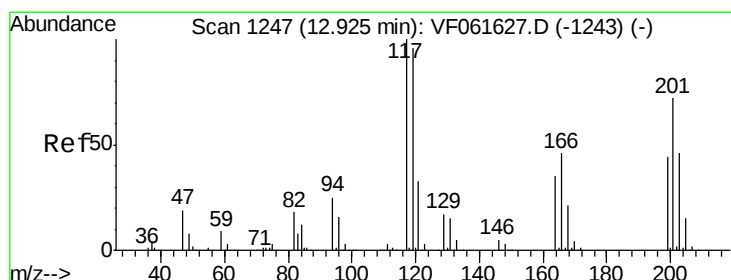
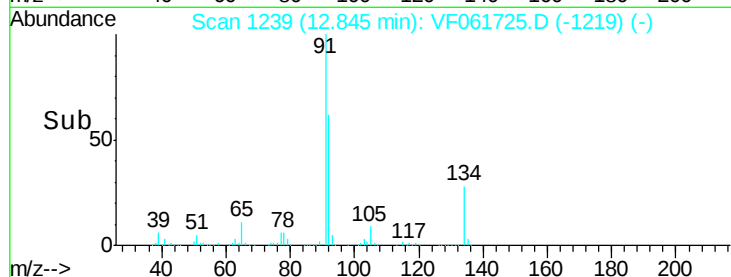
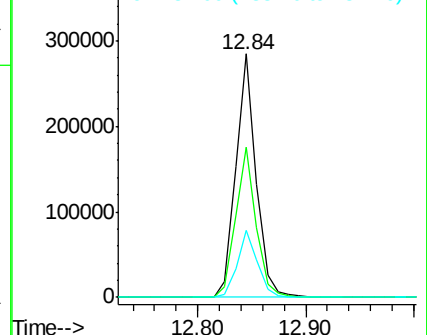
134 27.6 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 23.189 ug/l

RT: 12.91 min Scan# 1246

Delta R.T. -0.01 min

Lab File: VF061725.D

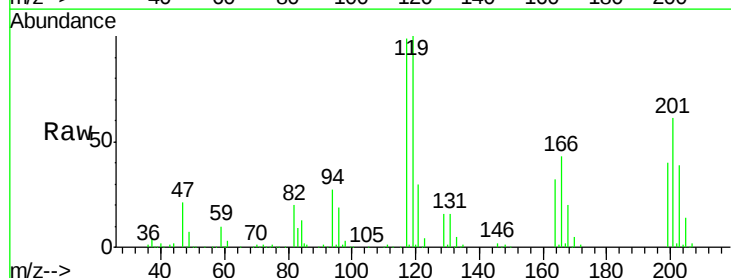
Acq: 25 Feb 2019 12:45

Tgt Ion: 117 Resp: 89791

Ion Ratio Lower Upper

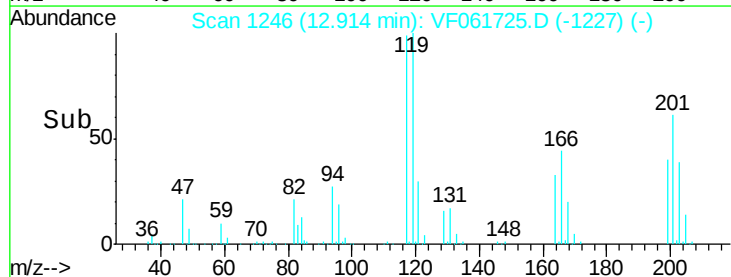
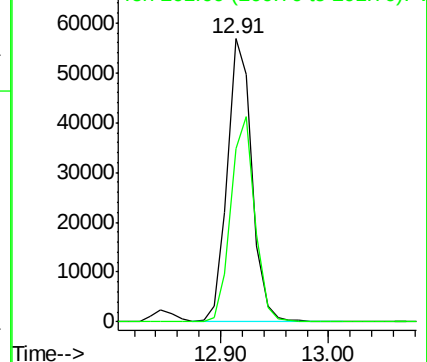
117 100

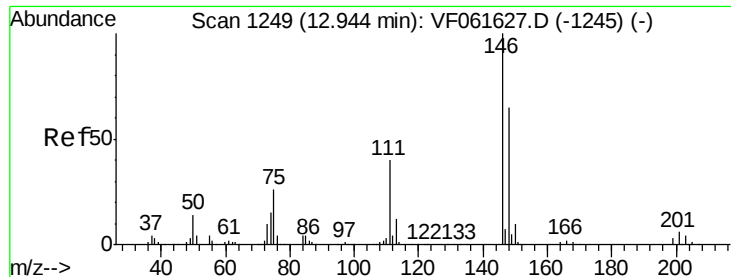
201 61.4 36.2 108.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V

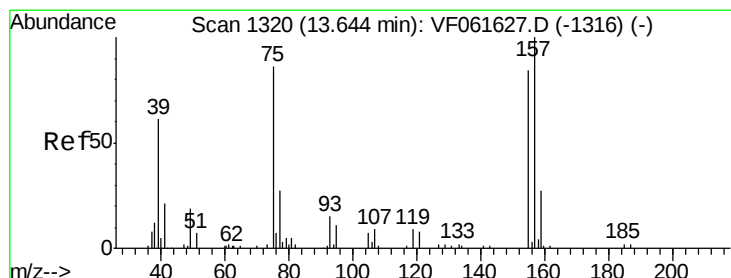
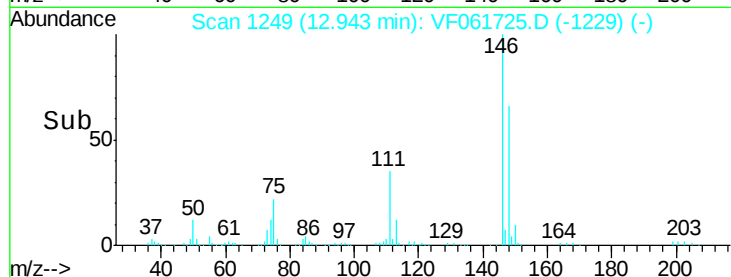
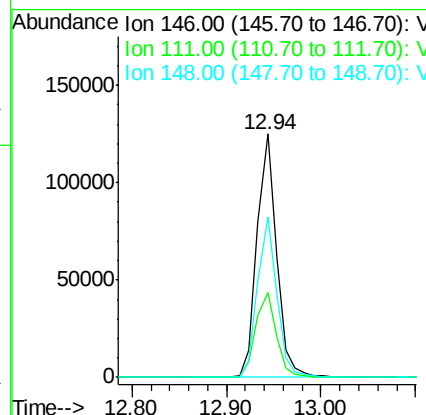
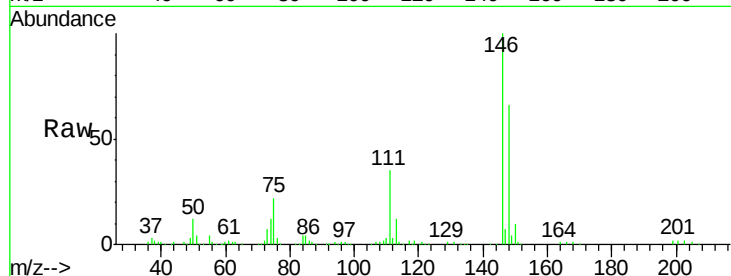




#91
 1,2-Dichlorobenzene
 Concen: 22.727 ug/l
 RT: 12.94 min Scan# 1249
 Delta R.T. -0.00 min
 Lab File: VF061725.D
 Acq: 25 Feb 2019 12:45

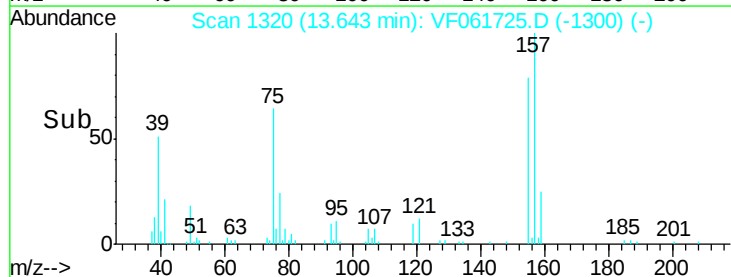
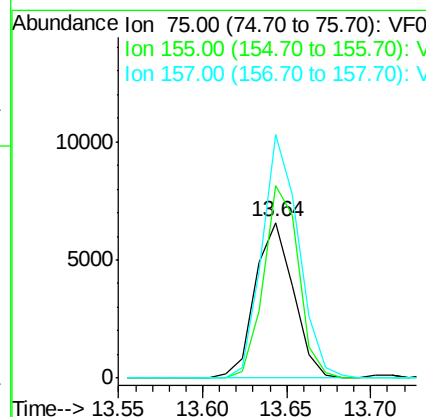
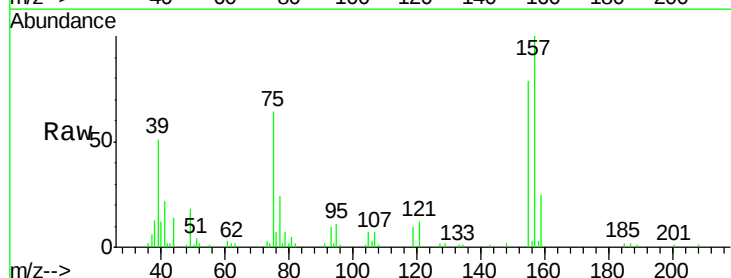
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0225SBS01

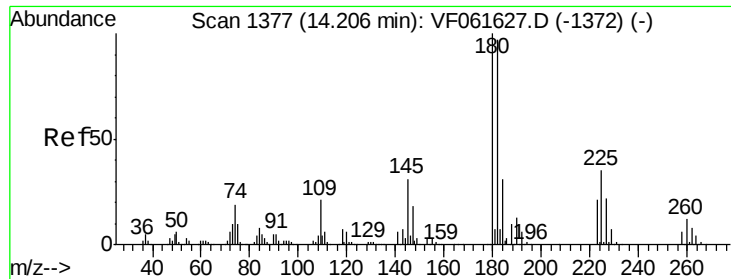
Tot Ion:146 Resp: 180414
 Ion Ratio Lower Upper
 146 100
 111 34.8 20.2 60.5
 148 65.9 32.3 96.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.122 ug/l
 RT: 13.64 min Scan# 1320
 Delta R.T. -0.00 min
 Lab File: VF061725.D
 Acq: 25 Feb 2019 12:45

Tgt Ion: 75 Resp: 10397
 Ion Ratio Lower Upper
 75 100
 155 123.4 48.9 146.8
 157 156.4 58.3 174.8

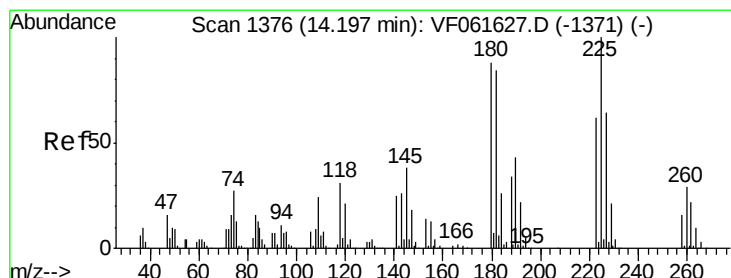
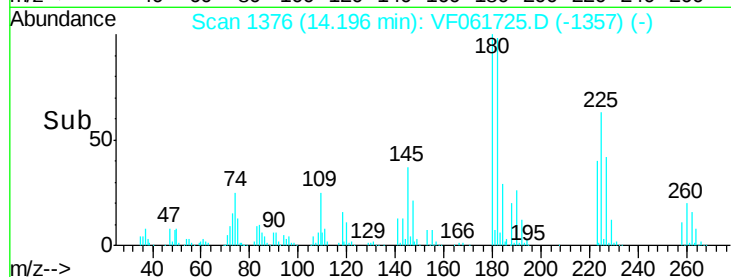
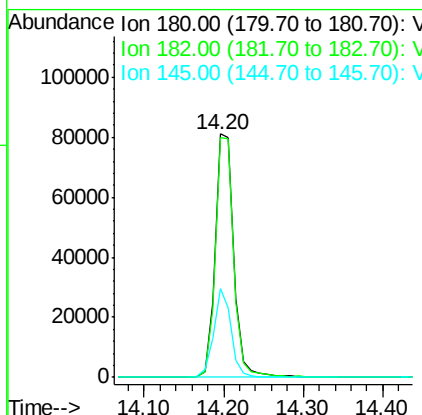
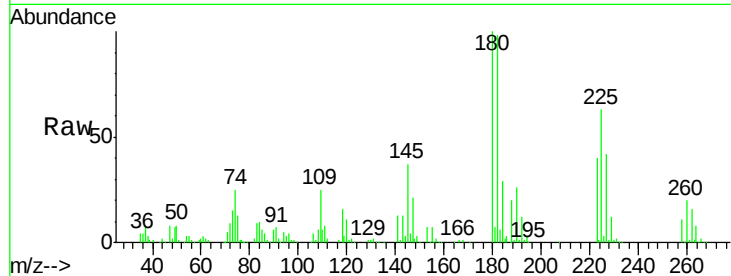




#93
 1,2,4-Trichlorobenzene
 Concen: 23.568 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. -0.01 min
 Lab File: VF061725.D
 Acq: 25 Feb 2019 12:45

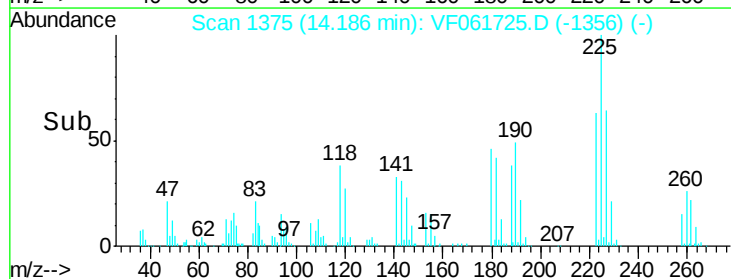
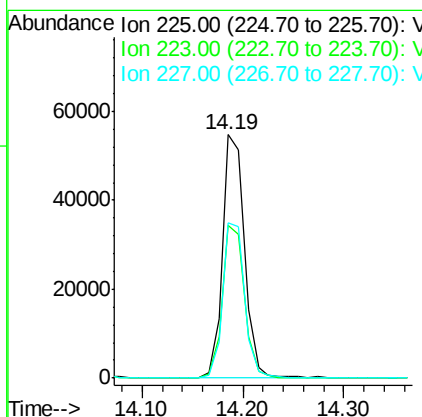
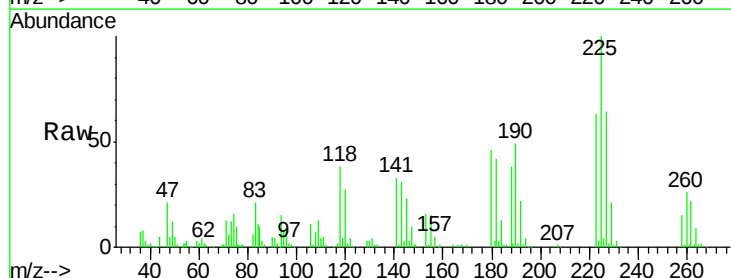
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0225SBS01

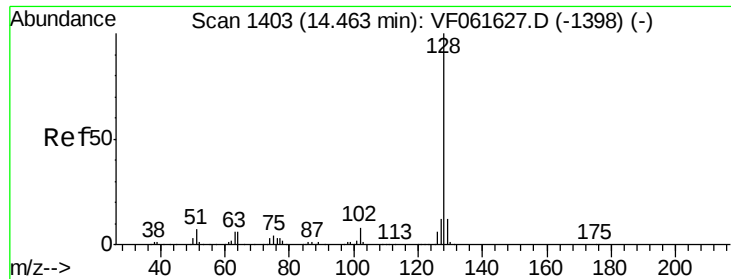
Tot Ion:180 Resp: 134107
 Ion Ratio Lower Upper
 180 100
 182 98.4 48.6 145.9
 145 36.5 15.3 45.9



#94
 Hexachlorobutadiene
 Concen: 23.709 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.01 min
 Lab File: VF061725.D
 Acq: 25 Feb 2019 12:45

Tgt Ion:225 Resp: 83317
 Ion Ratio Lower Upper
 225 100
 223 62.9 30.9 92.7
 227 63.7 32.1 96.3

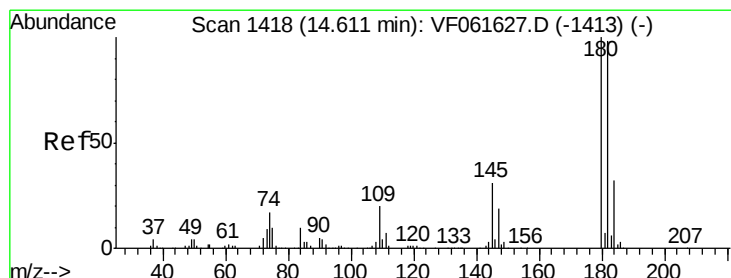
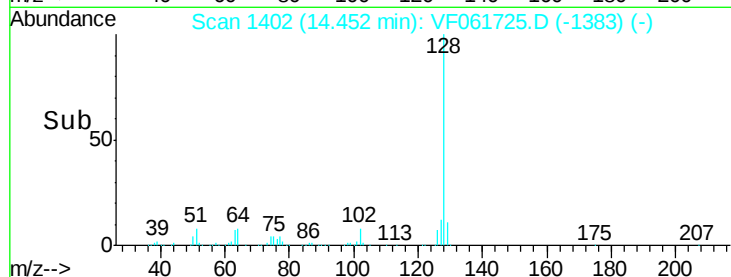
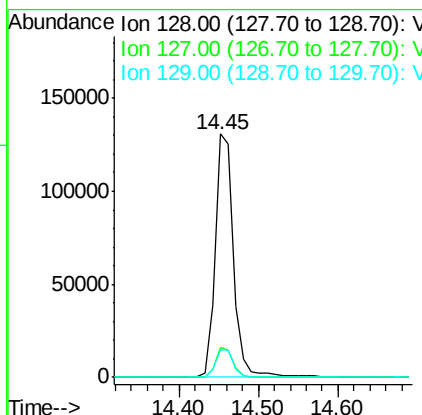
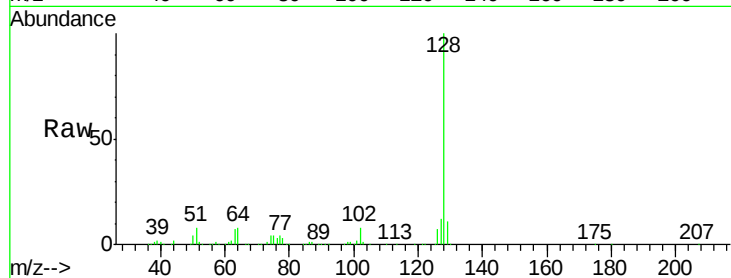




#95
Naphthalene
Concen: 21.316 ug/l
RT: 14.45 min Scan# 1402
Delta R.T. -0.01 min
Lab File: VF061725.D
Acq: 25 Feb 2019 12:45

Instrument :
MSVOA_F
ClientSampleId :
VF0225SBS01

Tot Ion:128 Resp: 212213
Ion Ratio Lower Upper
128 100
127 12.0 9.8 14.6
129 11.1 9.4 14.2



#96
1,2,3-Trichlorobenzene
Concen: 21.915 ug/l
RT: 14.60 min Scan# 1417
Delta R.T. -0.01 min
Lab File: VF061725.D
Acq: 25 Feb 2019 12:45

Tgt Ion:180 Resp: 114452
Ion Ratio Lower Upper
180 100
182 94.5 49.0 147.2
145 33.0 15.4 46.1

