

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052119\
 Data File : VF062677.D
 Acq On : 21 May 2019 12:11
 Operator : FY/SY
 Sample : VF0521SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0521SBS01

Quant Time: May 22 03:54:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 05:49:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	742076	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	1250825	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	933873	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.61	152	425866	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.04	65	270082	51.50	ug/l	0.00
Spiked Amount			Recovery	=	103.00%	
35) Dibromofluoromethane	4.31	113	502625	52.51	ug/l	0.00
Spiked Amount			Recovery	=	105.02%	
50) Toluene-d8	7.71	98	1110271	48.58	ug/l	0.00
Spiked Amount			Recovery	=	97.16%	
62) 4-Bromofluorobenzene	11.49	95	375851	43.36	ug/l	0.00
Spiked Amount			Recovery	=	86.72%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.01	85	194536	19.264	ug/l	97
3) Chloromethane	1.14	50	190101	20.444	ug/l	96
4) Vinyl Chloride	1.18	62	175052	20.452	ug/l	98
5) Bromomethane	1.39	94	86712	18.518	ug/l	90
6) Chloroethane	1.44	64	59830	19.033	ug/l	94
7) Trichlorofluoromethane	1.56	101	242729	21.120	ug/l	93
8) Diethyl Ether	1.72	74	46306	20.339	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	1.91	101	157795	21.563	ug/l	92
10) Methyl Iodide	1.98	142	315155	21.923	ug/l	98
11) Tert butyl alcohol	2.71	59	32437	93.693	ug/l	95
12) 1,1-Dichloroethene	1.87	96	140108	21.017	ug/l	98
13) Acrolein	2.10	56	33725	93.321	ug/l	94
14) Allyl chloride	2.20	41	153247	25.400	ug/l	97
15) Acrylonitrile	3.11	53	114295	117.036	ug/l	96
16) Acetone	2.36	43	121685	89.446	ug/l	98
17) Carbon Disulfide	1.91	76	402180	20.355	ug/l #	93
18) Methyl Acetate	2.47	43	51560	24.118	ug/l	97
19) Methyl tert-butyl Ether	2.54	73	263737	22.131	ug/l	98
20) Methylene Chloride	2.34	84	93592	13.725	ug/l	98
21) trans-1,2-Dichloroethene	2.43	96	146096	22.422	ug/l	89
22) Diisopropyl ether	2.94	45	329505	22.143	ug/l	97
23) Vinyl Acetate	3.35	43	1055517	105.152	ug/l	99
24) 1,1-Dichloroethane	3.02	63	232873	21.332	ug/l	99
25) 2-Butanone	4.53	43	283695	97.605	ug/l	99
26) 2,2-Dichloropropane	3.78	77	146330	23.428	ug/l	94
27) cis-1,2-Dichloroethene	3.65	96	243252	22.696	ug/l	91
28) Bromochloromethane	3.90	49	118763	19.398	ug/l	93
29) Tetrahydrofuran	4.28	42	126105	107.216	ug/l	96
30) Chloroform	4.05	83	336021	22.170	ug/l	95
31) Cyclohexane	3.88	56	303073	20.677	ug/l	97
32) 1,1,1-Trichloroethane	4.29	97	217509	21.609	ug/l	96
36) 1,1-Dichloropropene	4.48	75	270287	21.088	ug/l	97
37) Ethyl Acetate	4.32	43	97262	18.585	ug/l #	65
38) Carbon Tetrachloride	4.18	117	195280	20.258	ug/l	95

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 Quant Title : SW846 8260
 QLast Update : Fri May 17 05:49:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	330289	21.416	ug/l	94
40) Benzene	4.82	78	753085	21.568	ug/l	99
41) Methacrylonitrile	4.94	41	54617	19.907	ug/l	96
42) 1,2-Dichloroethane	5.14	62	146065	20.977	ug/l	91
43) Isopropyl Acetate	7.12	43	115005	16.963	ug/l #	88
44) Trichloroethene	5.69	130	217106	22.123	ug/l	85
45) 1,2-Dichloropropane	6.41	63	183794	20.852	ug/l	97
46) Dibromomethane	6.27	93	108409	21.281	ug/l	99
47) Bromodichloromethane	6.56	83	231094	21.852	ug/l	96
48) Methyl methacrylate	6.88	41	64108	18.091	ug/l	97
49) 1,4-Dioxane	6.87	88	19962	439.811	ug/l #	90
51) 4-Methyl-2-Pentanone	8.40	43	448531	96.785	ug/l	94
52) Toluene	7.78	92	364530	19.906	ug/l	93
53) t-1,3-Dichloropropene	8.43	75	171661	19.841	ug/l	97
54) cis-1,3-Dichloropropene	7.46	75	257551	21.266	ug/l	96
55) 1,1,2-Trichloroethane	8.64	97	113974	21.021	ug/l	96
56) Ethyl methacrylate	8.75	69	117917	18.254	ug/l	90
57) 1,3-Dichloropropane	9.00	76	187035	20.252	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.45	63	204474	97.248	ug/l	99
59) 2-Hexanone	9.62	43	293346	85.567	ug/l	94
60) Dibromochloromethane	8.86	129	151808	21.482	ug/l	97
61) 1,2-Dibromoethane	9.13	107	121300	21.063	ug/l	98
64) Tetrachloroethene	8.30	164	158969	21.487	ug/l	95
65) Chlorobenzene	9.94	112	390447	21.287	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.07	131	159531	21.665	ug/l	99
67) Ethyl Benzene	10.04	91	663747	20.830	ug/l	95
68) m/p-Xylenes	10.26	106	479702	40.055	ug/l	83
69) o-Xylene	10.81	106	259025	20.999	ug/l	95
70) Styrene	10.89	104	370276	19.749	ug/l	98
71) Bromoform	10.88	173	74980	20.332	ug/l #	97
73) Isopropylbenzene	11.22	105	707529	23.181	ug/l	97
74) N-amyl acetate	11.45	43	168307	18.245	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.77	83	132863	21.300	ug/l	99
76) 1,2,3-Trichloropropane	11.87	75	83641	20.407	ug/l	93
77) Bromobenzene	11.58	156	163347	21.530	ug/l	90
78) n-propylbenzene	11.67	91	758290	20.992	ug/l	93
79) 2-Chlorotoluene	11.80	91	427875	21.018	ug/l	96
80) 1,3,5-Trimethylbenzene	11.90	105	547939	22.388	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.94	75	51001	27.994	ug/l	97
82) 4-Chlorotoluene	11.97	91	425559	21.198	ug/l	94
83) tert-Butylbenzene	12.19	119	556850	22.426	ug/l	98
84) 1,2,4-Trimethylbenzene	12.27	105	509277	21.499	ug/l	98
85) sec-Butylbenzene	12.37	105	721693	21.658	ug/l	96
86) p-Isopropyltoluene	12.52	119	599074	21.332	ug/l	96
87) 1,3-Dichlorobenzene	12.54	146	287202	20.923	ug/l	97
88) 1,4-Dichlorobenzene	12.63	146	274813	21.335	ug/l	97
89) n-Butylbenzene	12.89	91	623930	22.534	ug/l	90
90) Hexachloroethane	12.97	117	148999	22.117	ug/l	79
91) 1,2-Dichlorobenzene	12.99	146	277114	22.648	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.69	75	17511	23.532	ug/l	87

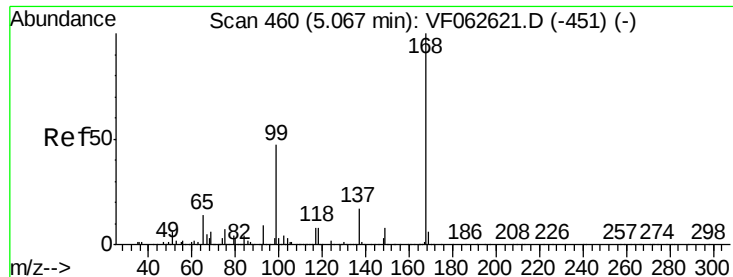
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF052119\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.23	180	197504	22.551	ug/l	98
94) Hexachlorobutadiene	14.22	225	132668	21.706	ug/l	95
95) Naphthalene	14.49	128	310662	19.525	ug/l	99
96) 1,2,3-Trichlorobenzene	14.64	180	192525	23.207	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 459

Delta R.T. -0.01 min

Lab File: VF062677.D

Acq: 21 May 2019 12:11

Instrument :

MSVOA_F

ClientSampleId :

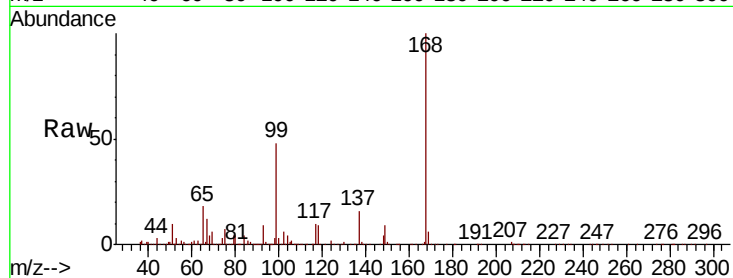
VF0521SBS01

Tot Ion:168 Resp: 742076

Ion Ratio Lower Upper

168 100

99 48.1 37.8 56.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.06

250000

200000

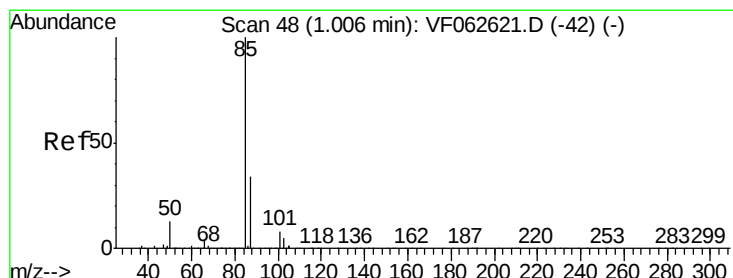
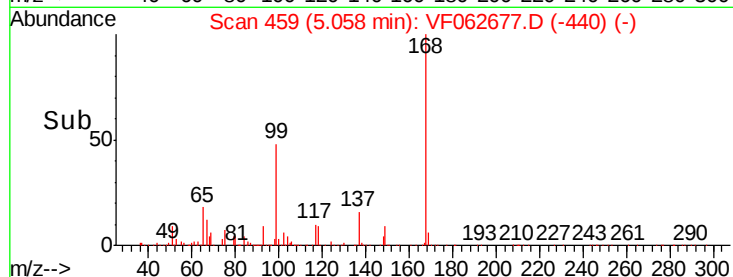
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.264 ug/l

RT: 1.01 min Scan# 48

Delta R.T. 0.00 min

Lab File: VF062677.D

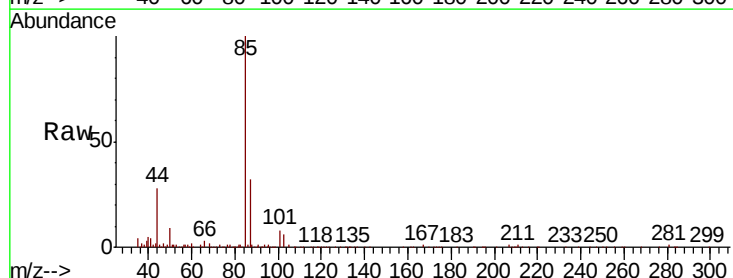
Acq: 21 May 2019 12:11

Tgt Ion: 85 Resp: 194536

Ion Ratio Lower Upper

85 100

87 32.0 16.8 50.3



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.01

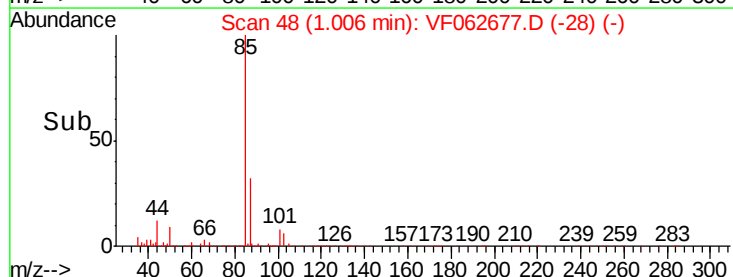
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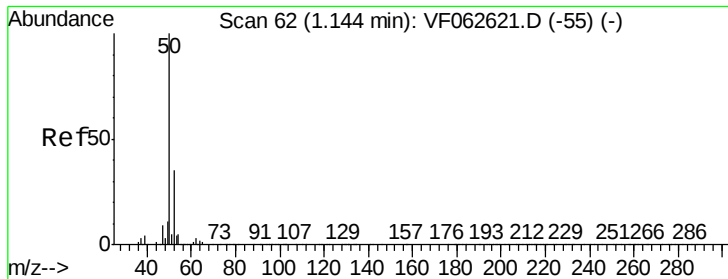
40000

20000

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Time-->





#3

Chloromethane

Concen: 20.444 ug/l

RT: 1.14 min Scan# 62

Delta R.T. 0.00 min

Lab File: VF062677.D

Acq: 21 May 2019 12:11

Instrument :

MSVOA_F

ClientSampleId :

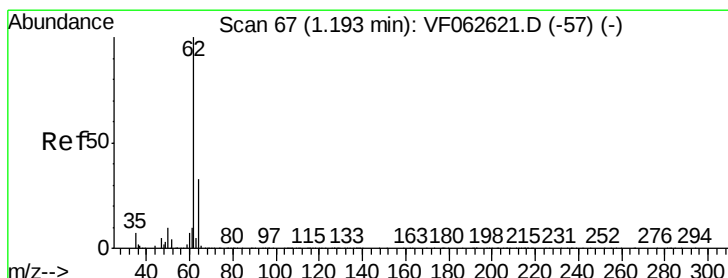
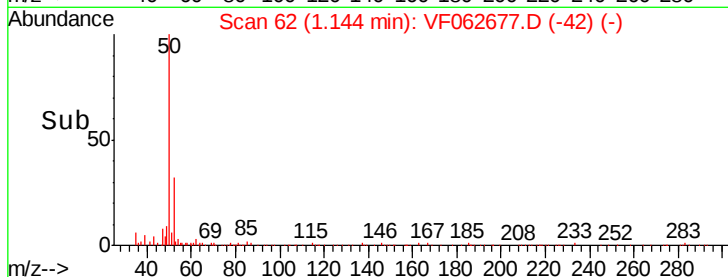
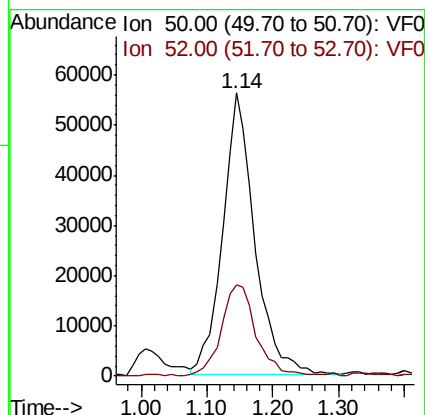
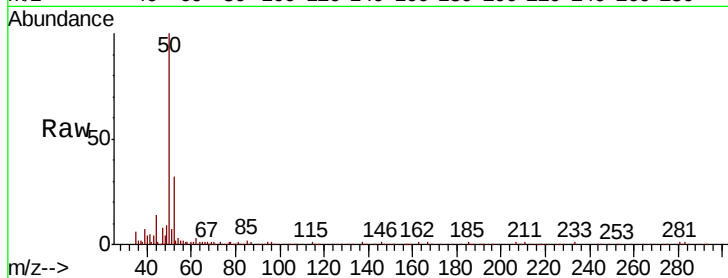
VF0521SBS01

Tot Ion: 50 Resp: 190101

Ion Ratio Lower Upper

50 100

52 32.2 27.5 41.3



#4

Vinyl Chloride

Concen: 20.452 ug/l

RT: 1.18 min Scan# 66

Delta R.T. -0.01 min

Lab File: VF062677.D

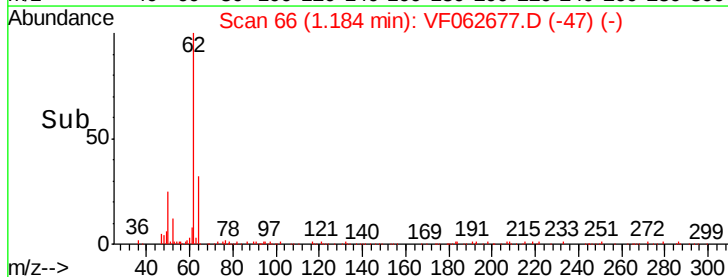
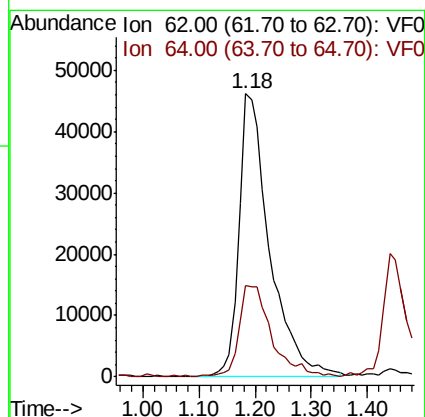
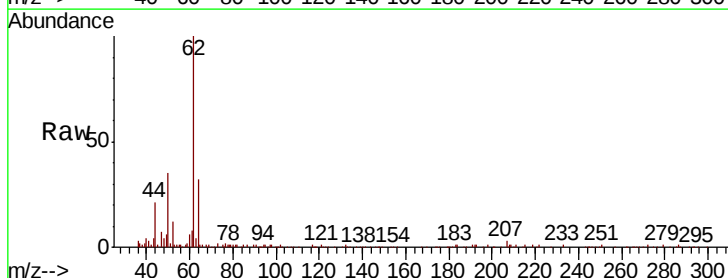
Acq: 21 May 2019 12:11

Tgt Ion: 62 Resp: 175052

Ion Ratio Lower Upper

62 100

64 32.2 26.7 40.1





#5

Bromomethane

Concen: 18.518 ug/l

RT: 1.39 min Scan# 87

Delta R.T. -0.01 min

Lab File: VF062677.D

Acq: 21 May 2019 12:11

Instrument :

MSVOA_F

ClientSampleId :

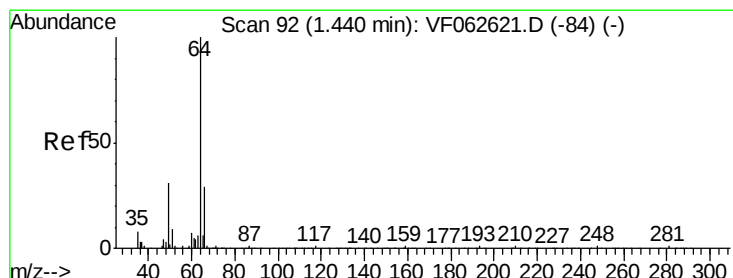
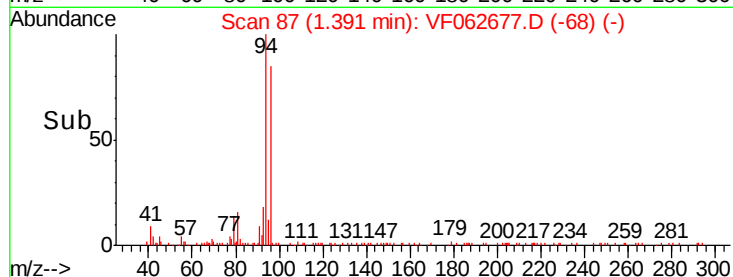
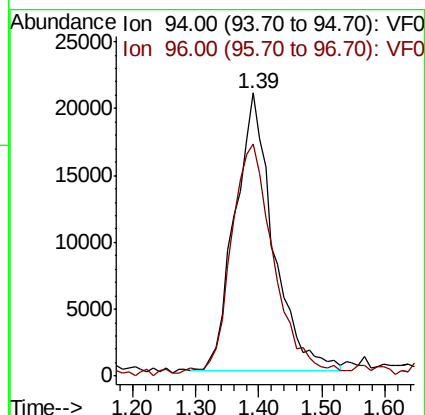
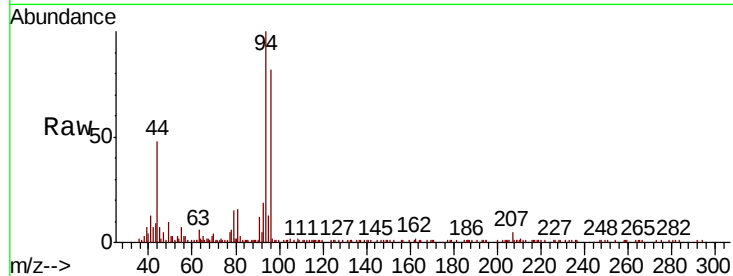
VF0521SBS01

Tot Ion: 94 Resp: 86712

Ion Ratio Lower Upper

94 100

96 82.0 73.2 109.8



#6

Chloroethane

Concen: 19.033 ug/l

RT: 1.44 min Scan# 92

Delta R.T. 0.00 min

Lab File: VF062677.D

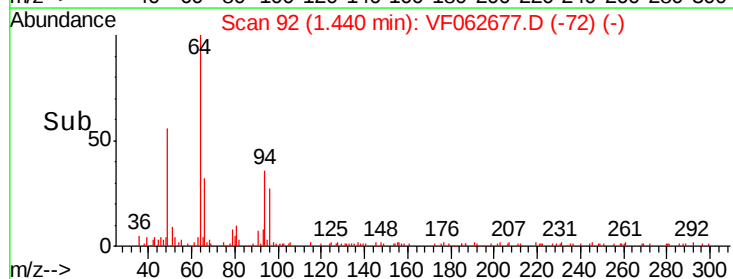
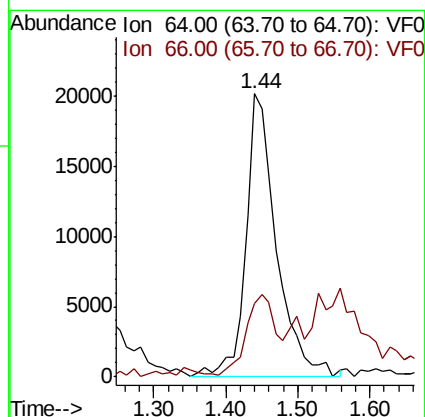
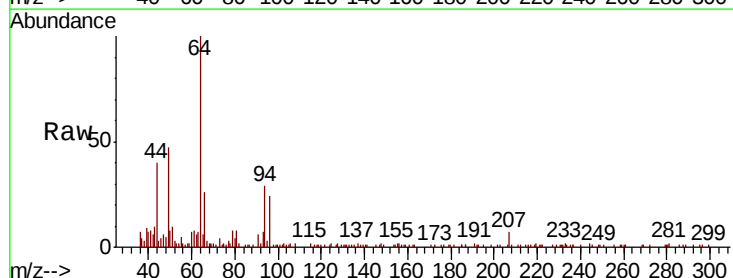
Acq: 21 May 2019 12:11

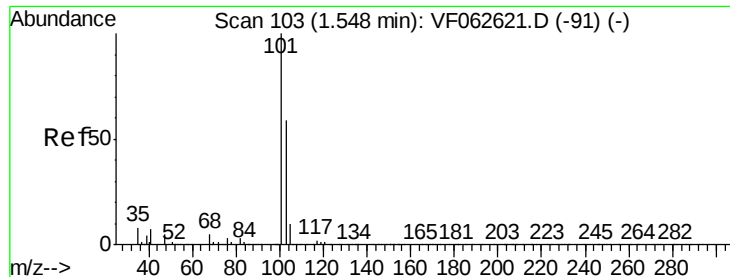
Tgt Ion: 64 Resp: 59830

Ion Ratio Lower Upper

64 100

66 26.1 23.4 35.2



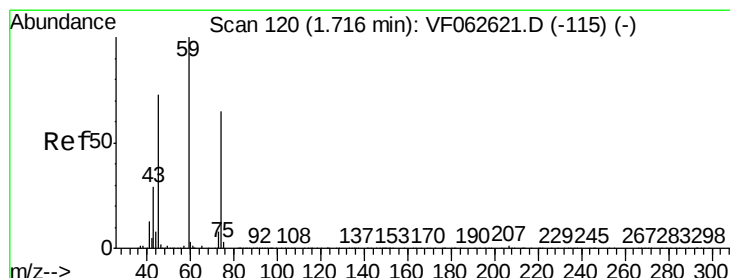
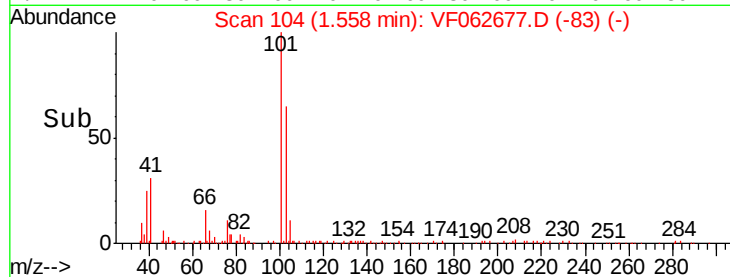
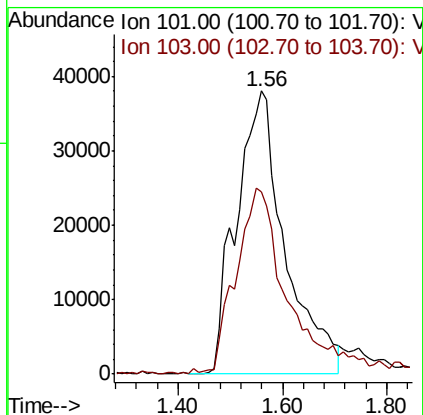
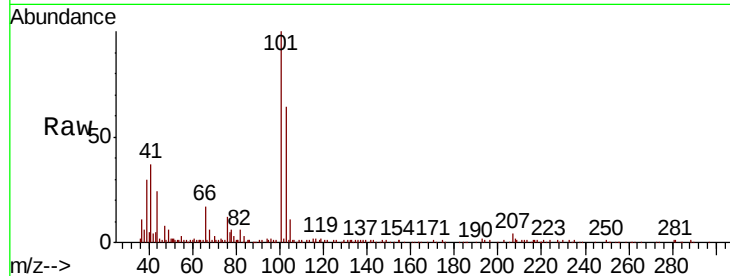


#7

Trichlorofluoromethane
 Concen: 21.120 ug/l
 RT: 1.56 min Scan# 104
 Delta R.T. 0.01 min
 Lab File: VF062677.D
 Acq: 21 May 2019 12:11

Instrument :
 MSVOA_F
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 VF0521SBS01

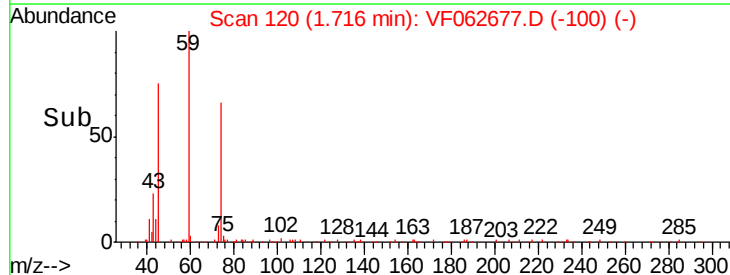
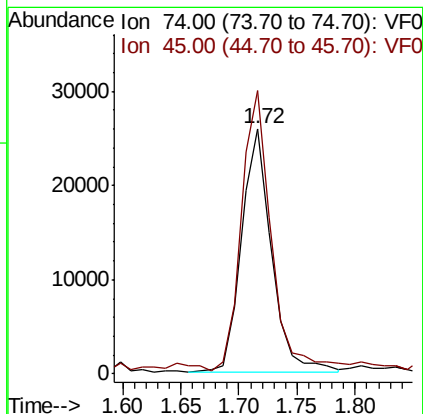
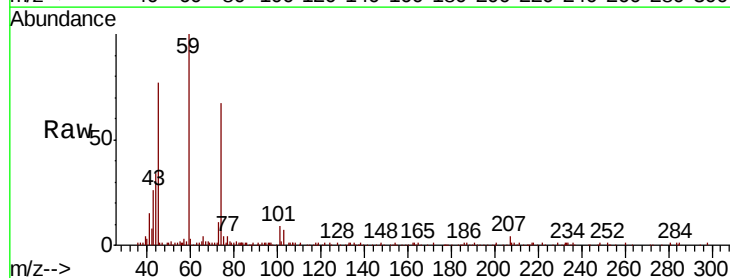
Tot Ion:101 Resp: 242729
 Ion Ratio Lower Upper
 101 100
 103 64.5 47.3 70.9

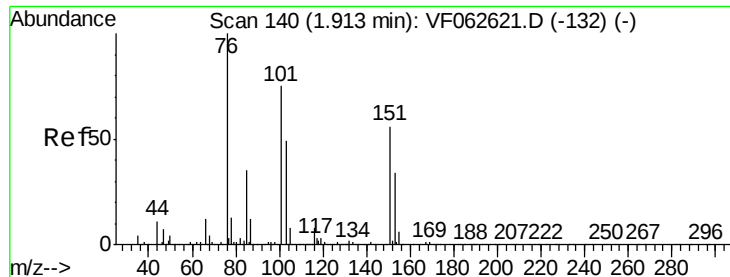


#8

Diethyl Ether
 Concen: 20.339 ug/l
 RT: 1.72 min Scan# 120
 Delta R.T. 0.00 min
 Lab File: VF062677.D
 Acq: 21 May 2019 12:11

Tgt Ion: 74 Resp: 46306
 Ion Ratio Lower Upper
 74 100
 45 115.4 57.0 170.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.563 ug/l

RT: 1.91 min Scan# 140

Delta R.T. 0.00 min

Lab File: VF062677.D

Acq: 21 May 2019 12:11

Instrument :

MSVOA_F

ClientSampleId :

VF0521SBS01

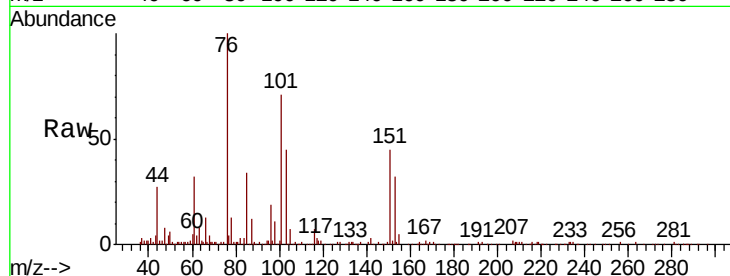
Tot Ion:101 Resp: 157795

Ion Ratio Lower Upper

101 100

85 47.4 37.1 55.7

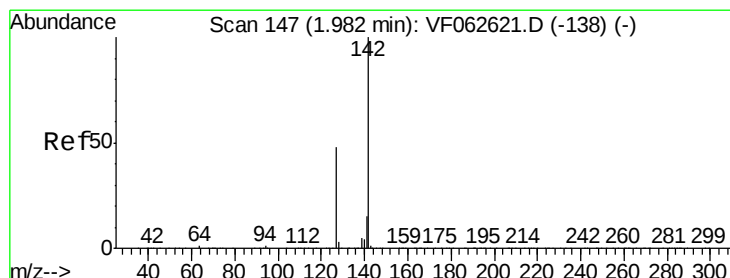
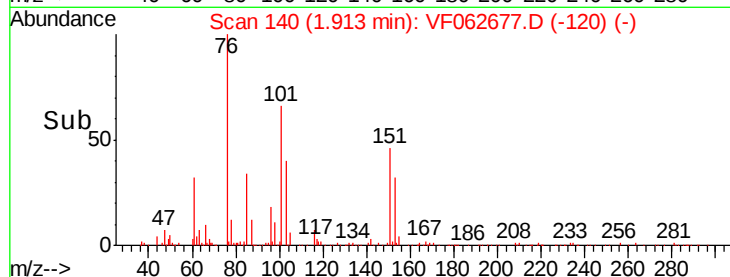
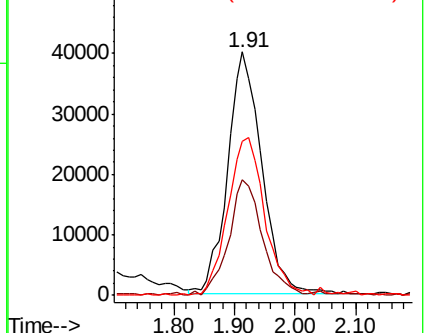
151 63.5 58.8 88.2



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: 21.923 ug/l

RT: 1.98 min Scan# 147

Delta R.T. 0.00 min

Lab File: VF062677.D

Acq: 21 May 2019 12:11

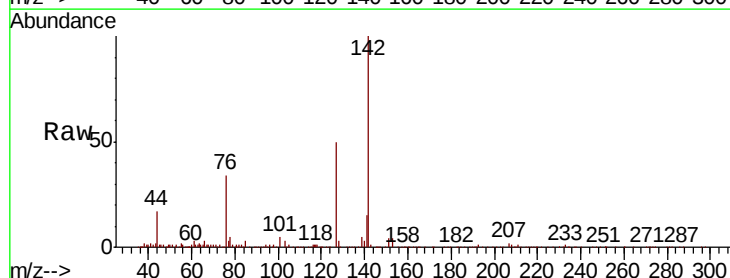
Tgt Ion:142 Resp: 315155

Ion Ratio Lower Upper

142 100

127 49.6 38.1 57.1

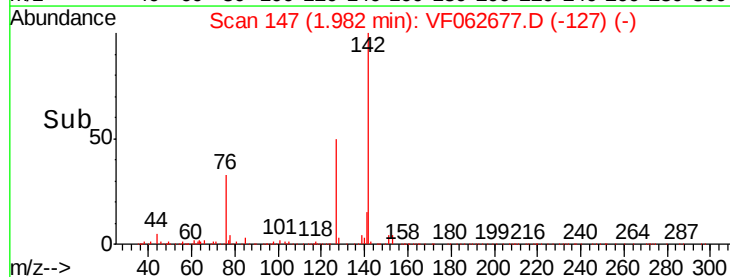
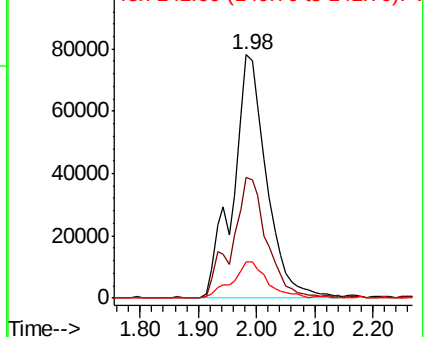
141 14.7 11.7 17.5

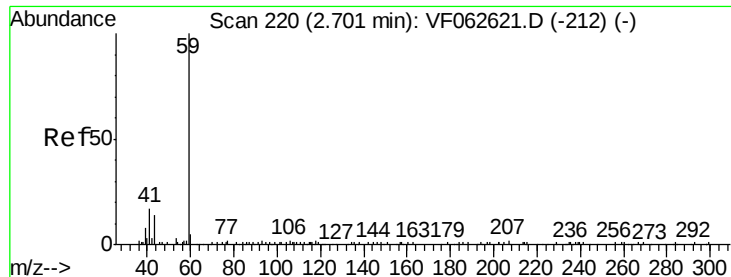


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

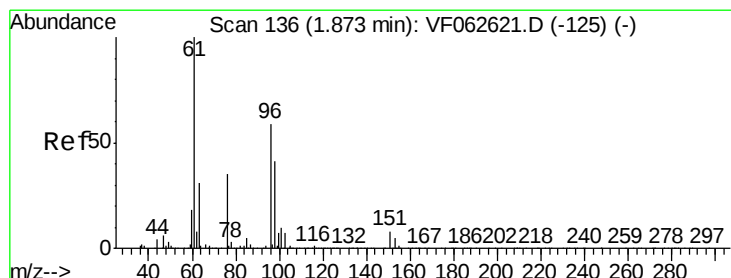
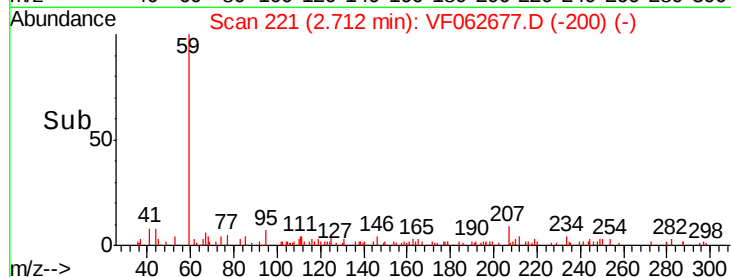
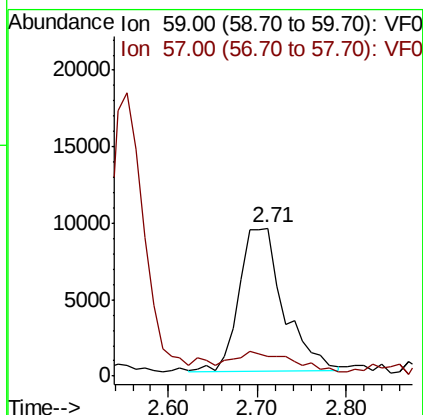
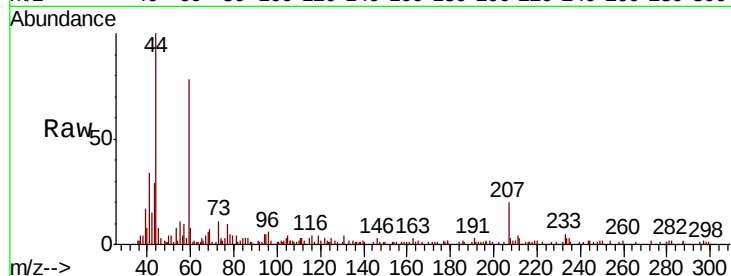




#11
Tert butyl alcohol
Concen: 93.693 ug/l
RT: 2.71 min Scan# 221
Delta R.T. 0.01 min
Lab File: VF062677.D
Acq: 21 May 2019 12:11

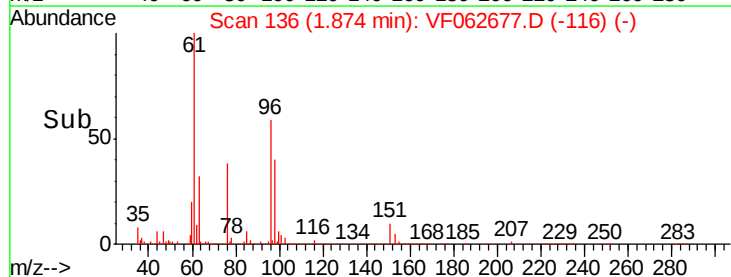
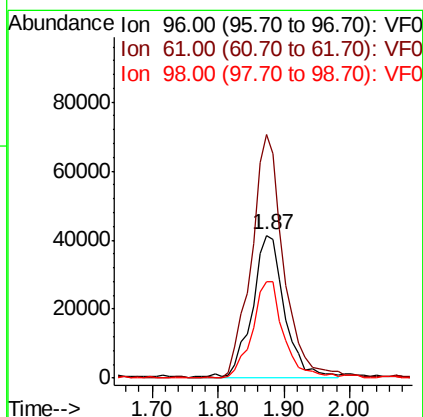
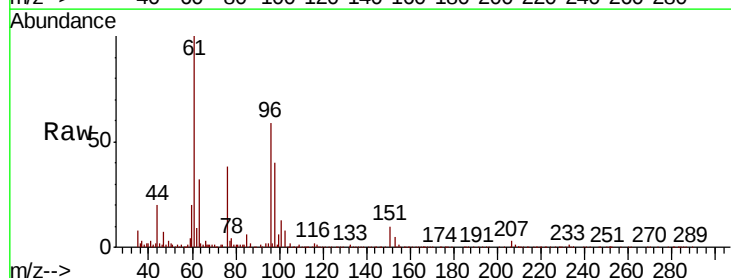
Instrument :
MSVOA_F
ClientSampleId :
VF0521SBS01

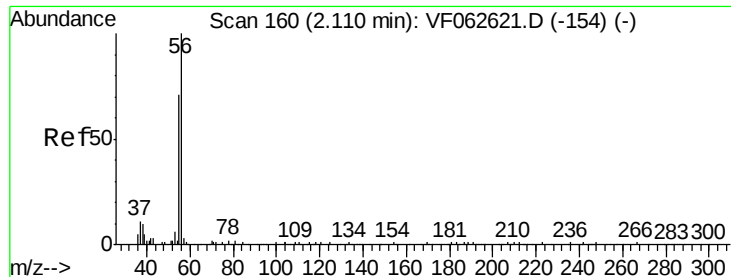
Tot Ion: 59 Resp: 32437
Ion Ratio Lower Upper
59 100
57 13.4 9.3 13.9



#12
1,1-Dichloroethene
Concen: 21.017 ug/l
RT: 1.87 min Scan# 136
Delta R.T. 0.00 min
Lab File: VF062677.D
Acq: 21 May 2019 12:11

Tgt Ion: 96 Resp: 140108
Ion Ratio Lower Upper
96 100
61 170.2 134.3 201.5
98 67.6 55.0 82.6





#13

Acrolein

Concen: 93.321 ug/l

RT: 2.10 min Scan# 159

Delta R.T. -0.01 min

Lab File: VF062677.D

Acq: 21 May 2019 12:11

Instrument :

MSVOA_F

ClientSampleId :

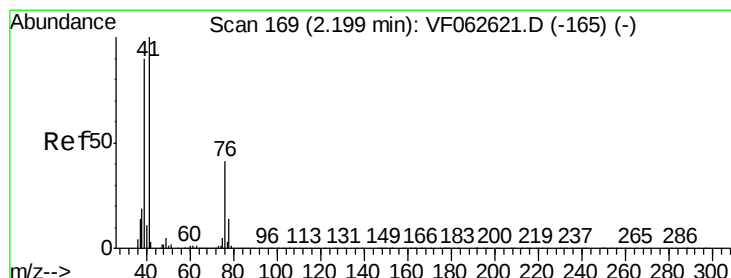
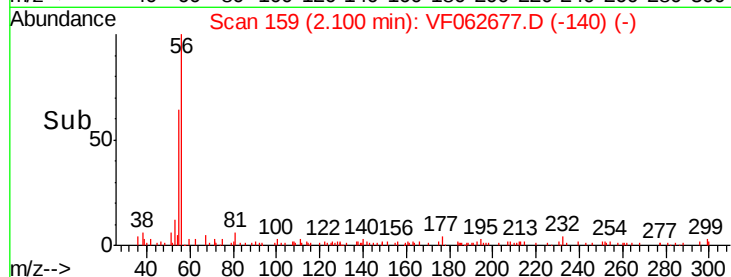
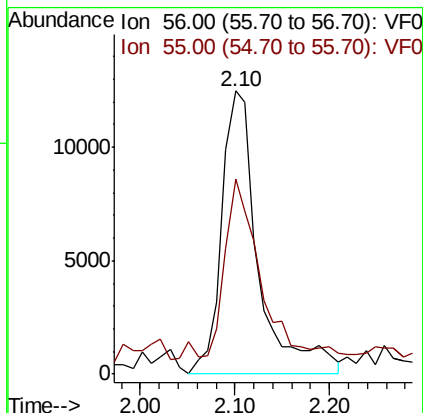
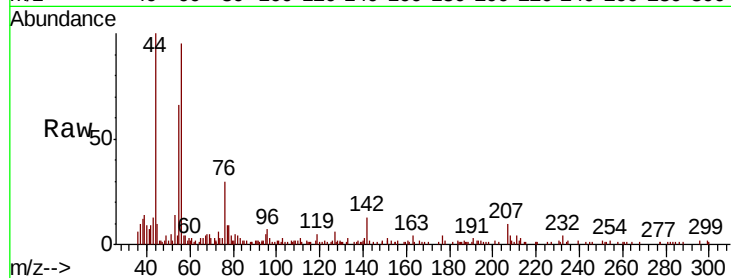
VF0521SBS01

Tot Ion: 56 Resp: 33725

Ion Ratio Lower Upper

56 100

55 69.0 59.4 89.0



#14

Allyl chloride

Concen: 25.400 ug/l

RT: 2.20 min Scan# 169

Delta R.T. 0.00 min

Lab File: VF062677.D

Acq: 21 May 2019 12:11

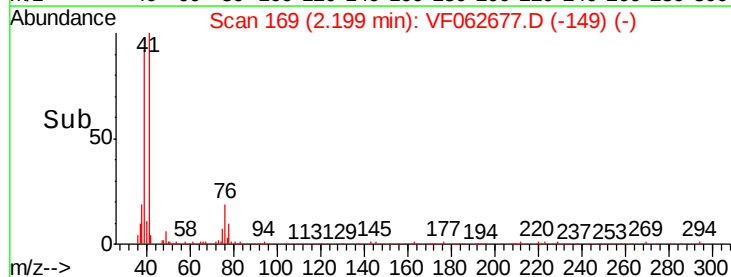
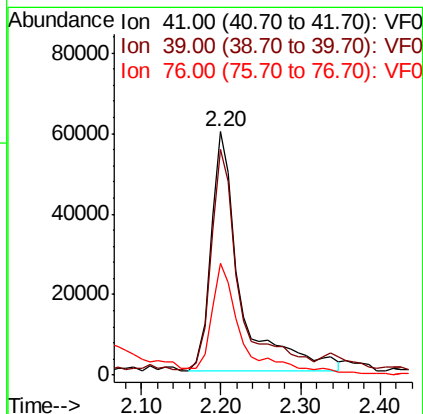
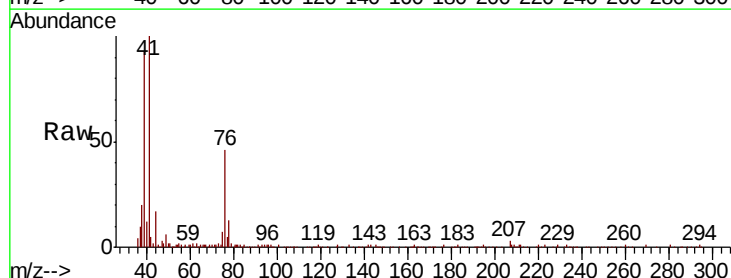
Tgt Ion: 41 Resp: 153247

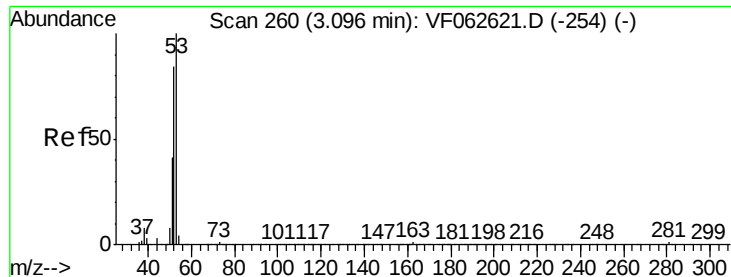
Ion Ratio Lower Upper

41 100

39 92.5 72.0 108.0

76 46.1 34.8 52.2





#15

Acrylonitrile

Concen: 117.036 ug/l

RT: 3.11 min Scan# 261

Delta R.T. 0.01 min

Lab File: VF062677.D

Acq: 21 May 2019 12:11

Instrument :

MSVOA_F

ClientSampleId :

VF0521SBS01

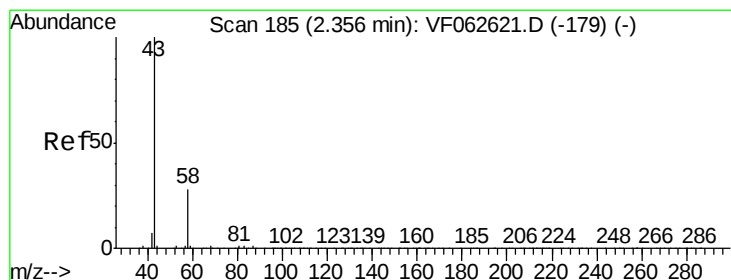
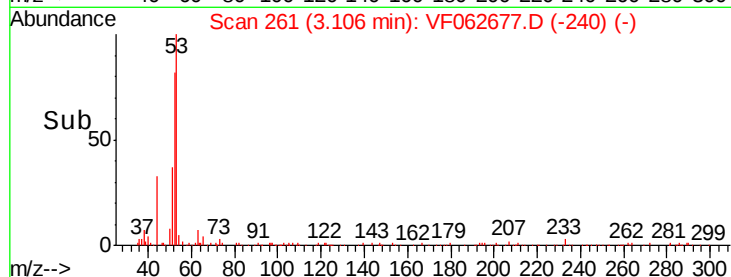
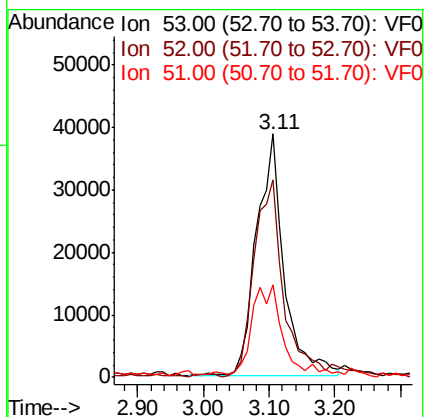
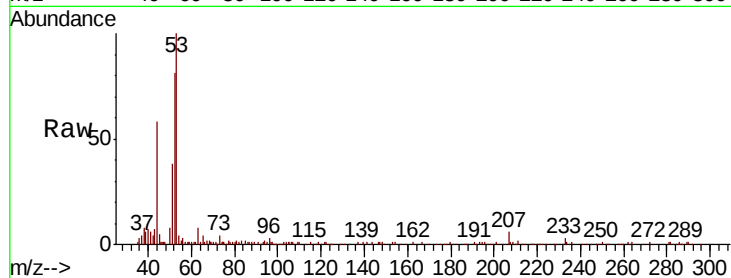
Tot Ion: 53 Resp: 114295

Ion Ratio Lower Upper

53 100

52 81.3 67.3 100.9

51 37.9 33.0 49.6



#16

Acetone

Concen: 89.446 ug/l

RT: 2.36 min Scan# 185

Delta R.T. 0.00 min

Lab File: VF062677.D

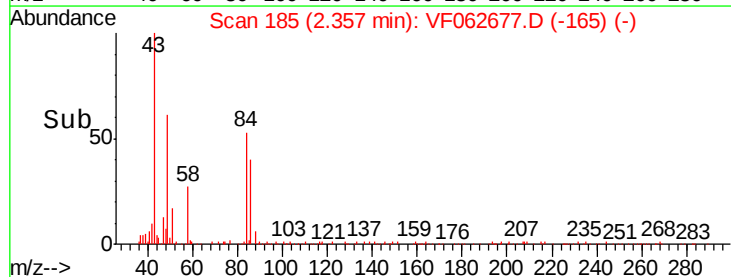
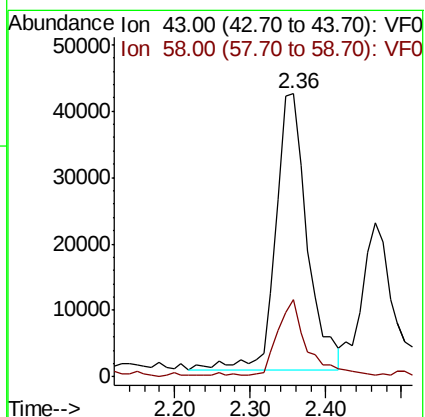
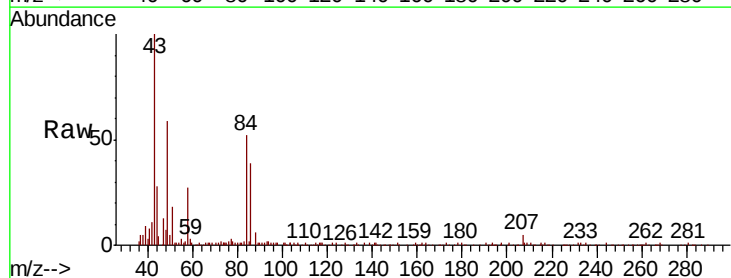
Acq: 21 May 2019 12:11

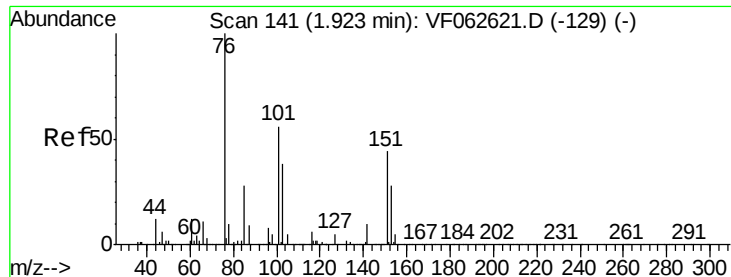
Tgt Ion: 43 Resp: 121685

Ion Ratio Lower Upper

43 100

58 27.1 22.6 33.8





#17

Carbon Disulfide

Concen: 20.355 ug/l

RT: 1.91 min Scan# 140

Delta R.T. -0.01 min

Lab File: VF062677.D

Acq: 21 May 2019 12:11

Instrument :

MSVOA_F

ClientSampleId :

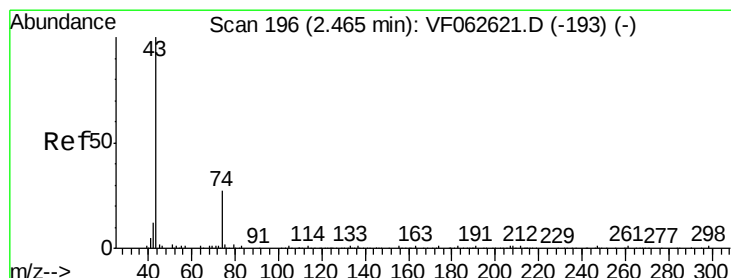
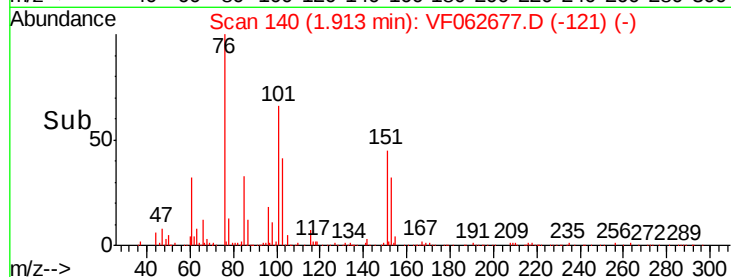
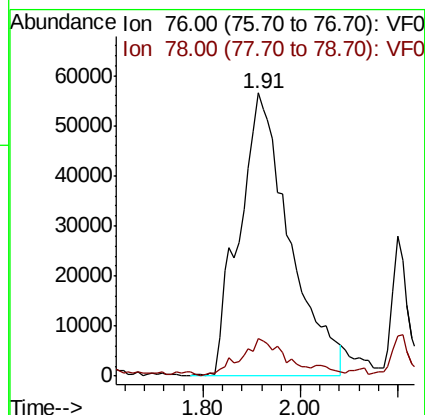
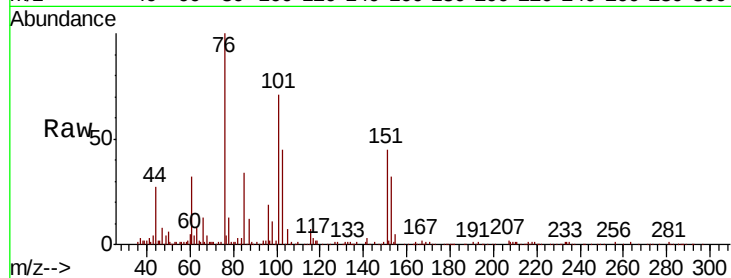
VF0521SBS01

Tot Ion: 76 Resp: 402180

Ion Ratio Lower Upper

76 100

78 13.1 8.4 12.6#



#18

Methyl Acetate

Concen: 24.118 ug/l

RT: 2.47 min Scan# 196

Delta R.T. 0.00 min

Lab File: VF062677.D

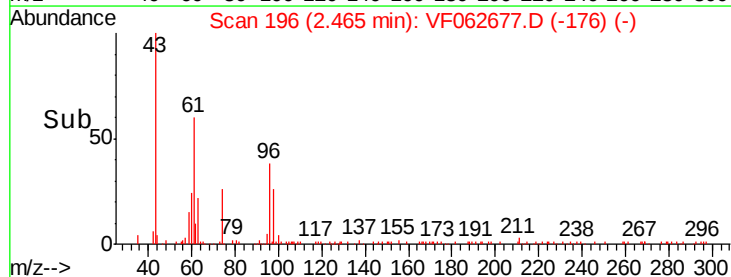
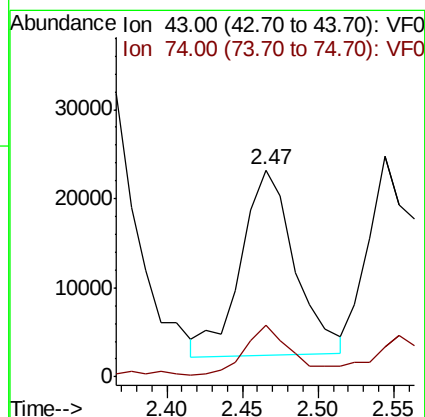
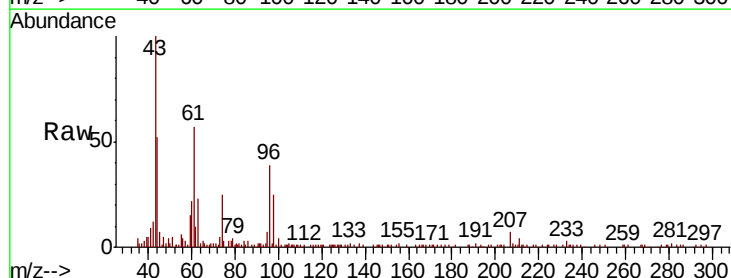
Acq: 21 May 2019 12:11

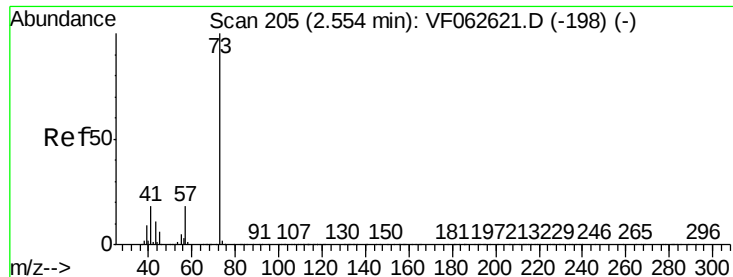
Tgt Ion: 43 Resp: 51560

Ion Ratio Lower Upper

43 100

74 25.0 18.9 28.3



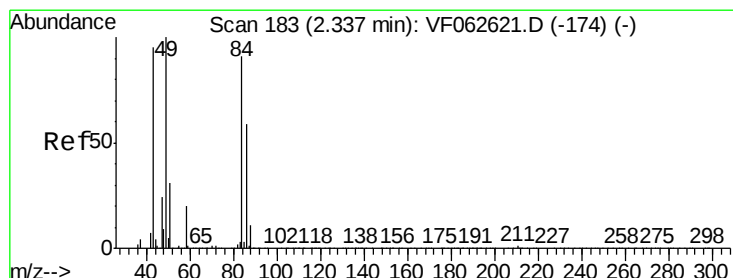
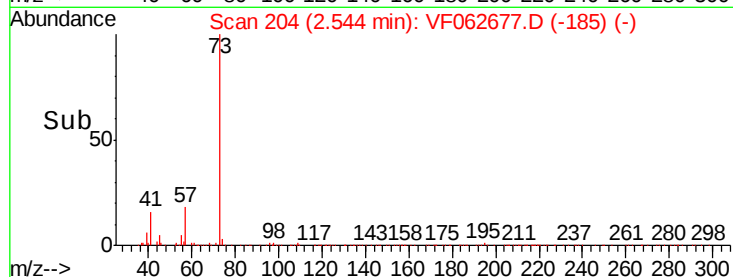
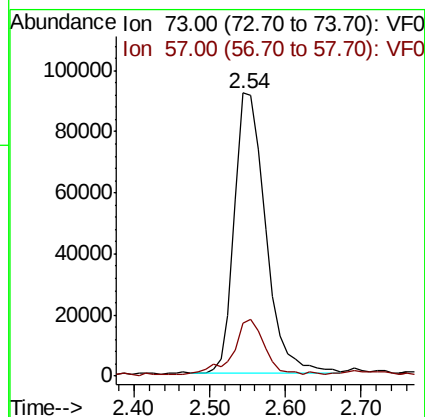
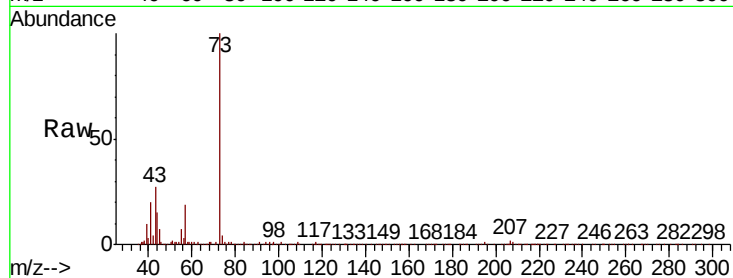


#19

Methyl tert-butyl Ether
 Concen: 22.131 ug/l
 RT: 2.54 min Scan# 204
 Delta R.T. -0.01 min
 Lab File: VF062677.D
 Acq: 21 May 2019 12:11

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0521SBS01

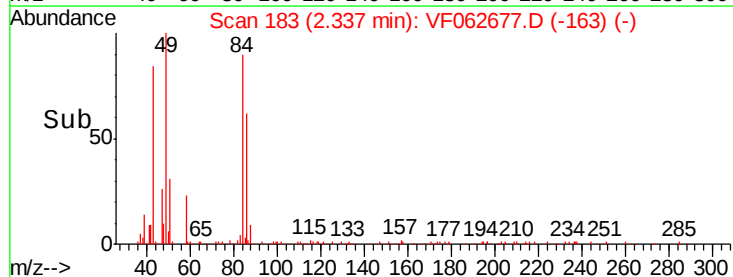
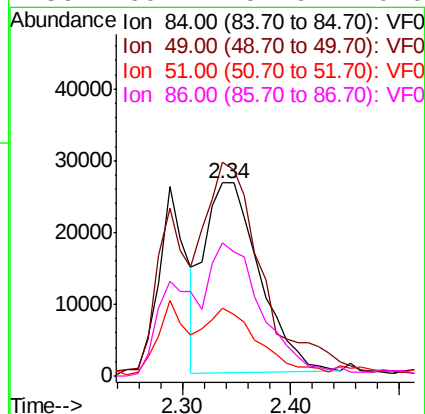
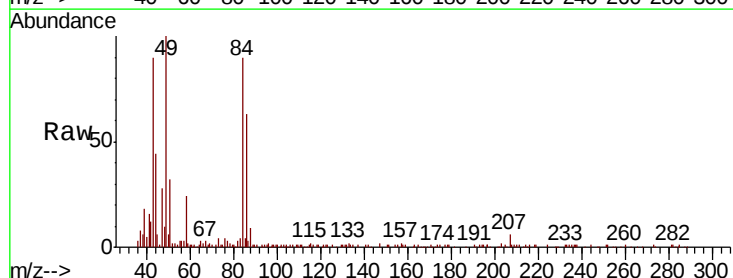
Tot Ion: 73 Resp: 263737
 Ion Ratio Lower Upper
 73 100
 57 18.7 14.2 21.4

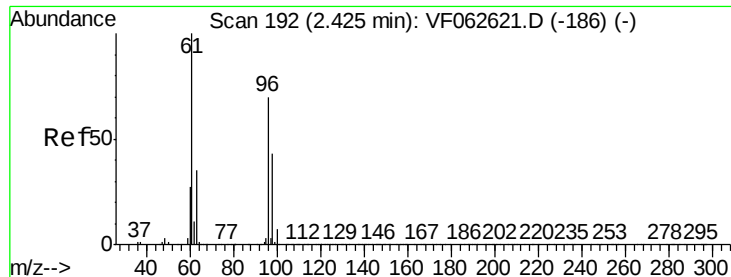


#20

Methylene Chloride
 Concen: 13.725 ug/l
 RT: 2.34 min Scan# 183
 Delta R.T. 0.00 min
 Lab File: VF062677.D
 Acq: 21 May 2019 12:11

Tgt Ion: 84 Resp: 93592
 Ion Ratio Lower Upper
 84 100
 49 110.6 89.8 134.8
 51 35.3 28.4 42.6
 86 69.1 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 22.422 ug/l

RT: 2.43 min Scan# 192

Delta R.T. 0.00 min

Lab File: VF062677.D

Acq: 21 May 2019 12:11

Instrument :

MSVOA_F

ClientSampleId :

VF0521SBS01

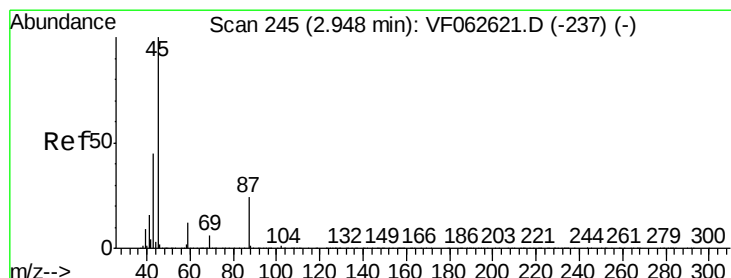
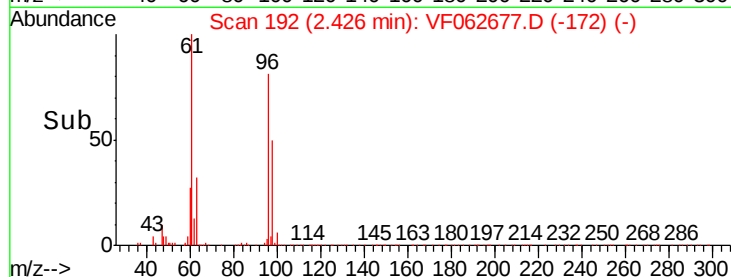
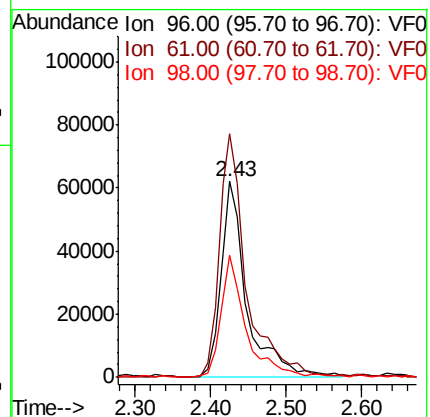
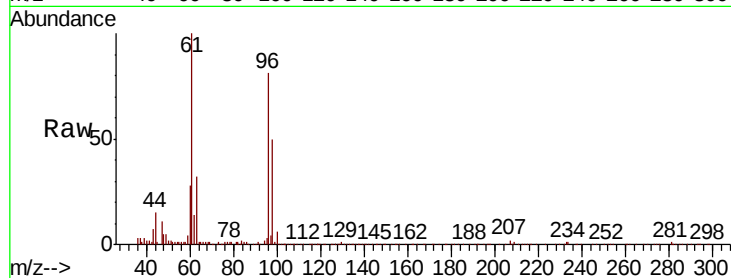
Tot Ion: 96 Resp: 146096

Ion Ratio Lower Upper

96 100

61 124.1 114.6 171.8

98 62.4 49.5 74.3



#22

Diisopropyl ether

Concen: 22.143 ug/l

RT: 2.94 min Scan# 244

Delta R.T. -0.01 min

Lab File: VF062677.D

Acq: 21 May 2019 12:11

Tgt Ion: 45 Resp: 329505

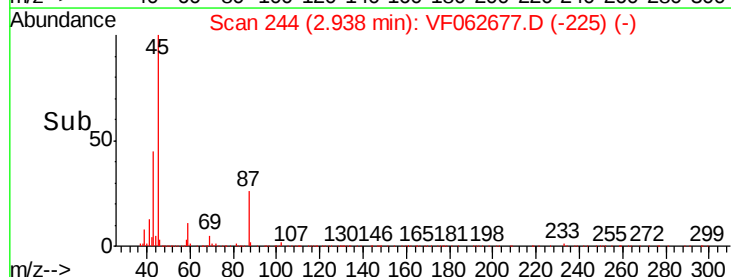
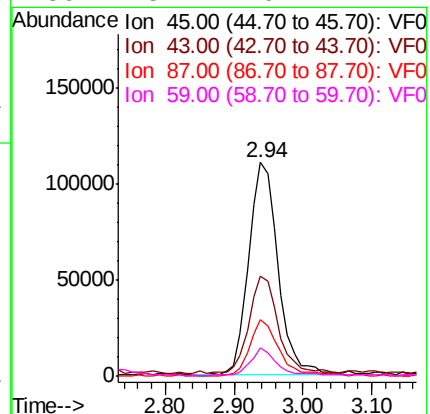
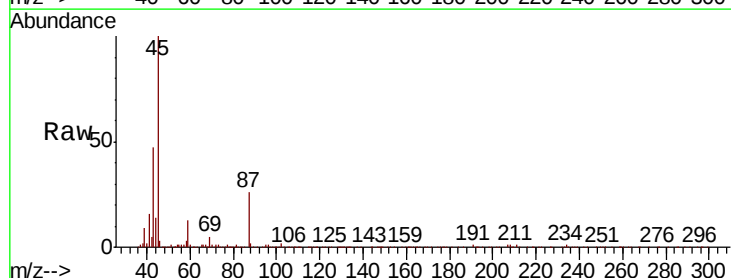
Ion Ratio Lower Upper

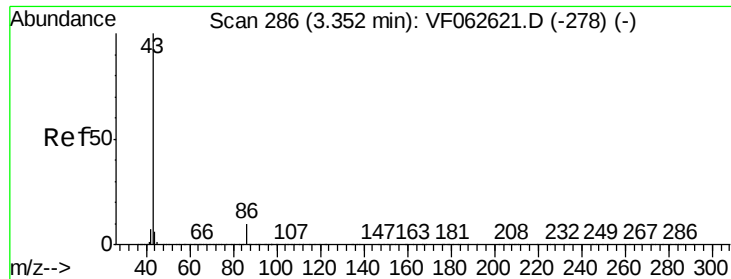
45 100

43 46.9 36.4 54.6

87 26.1 19.3 28.9

59 13.4 9.4 14.2

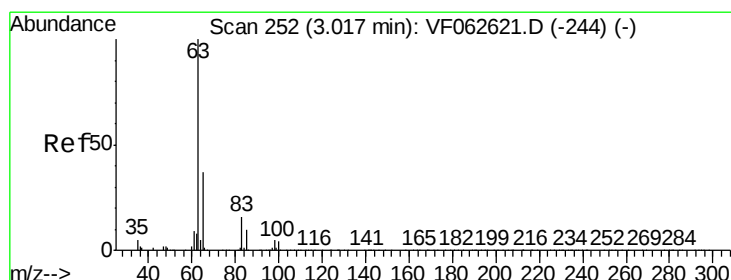
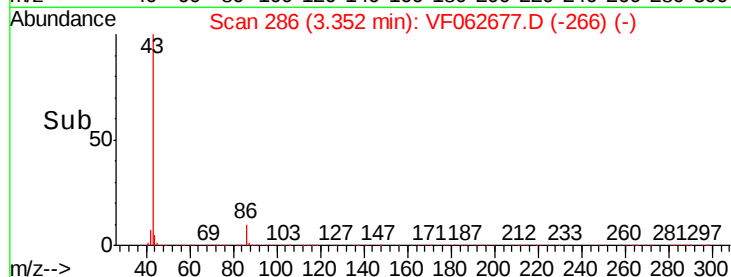
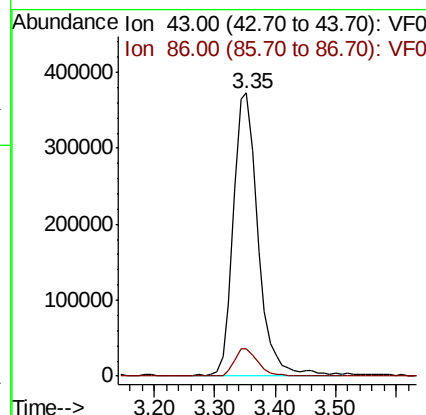
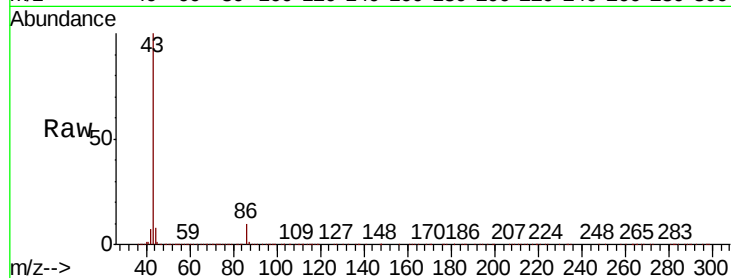




#23
 Vinyl Acetate
 Concen: 105.152 ug/l
 RT: 3.35 min Scan# 286
 Delta R.T. 0.00 min
 Lab File: VF062677.D
 Acq: 21 May 2019 12:11

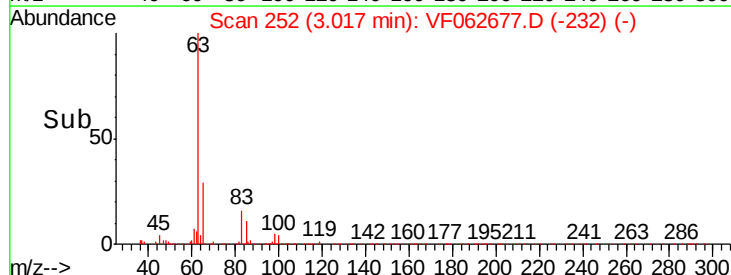
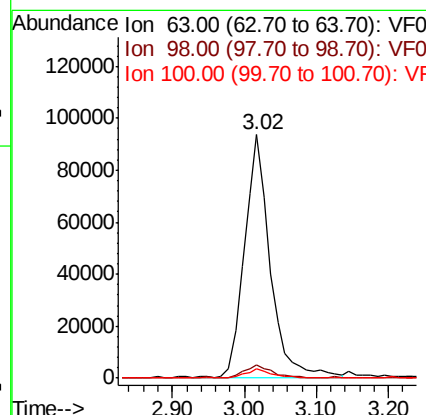
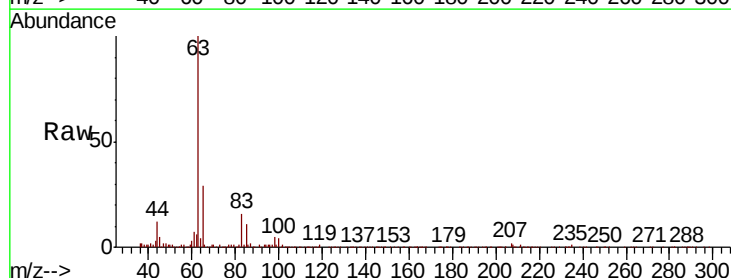
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0521SBS01

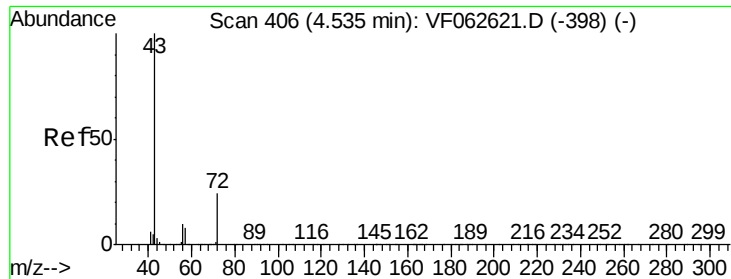
Tot Ion: 43 Resp: 1055517
 Ion Ratio Lower Upper
 43 100
 86 9.9 8.2 12.2



#24
 1,1-Dichloroethane
 Concen: 21.332 ug/l
 RT: 3.02 min Scan# 252
 Delta R.T. 0.00 min
 Lab File: VF062677.D
 Acq: 21 May 2019 12:11

Tgt Ion: 63 Resp: 232873
 Ion Ratio Lower Upper
 63 100
 98 5.3 2.8 8.3
 100 3.9 1.9 5.7





#25

2-Butanone

Concen: 97.605 ug/l

RT: 4.53 min Scan# 405

Delta R.T. -0.01 min

Lab File: VF062677.D

Acq: 21 May 2019 12:11

Instrument :

MSVOA_F

ClientSampleId :

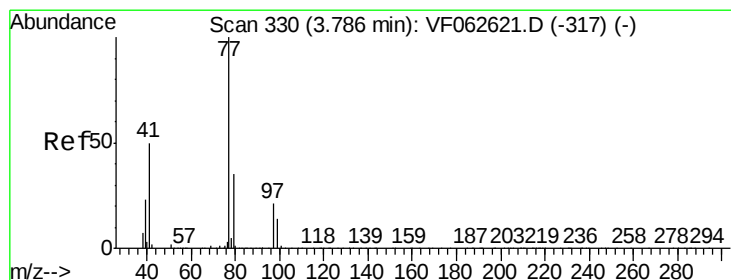
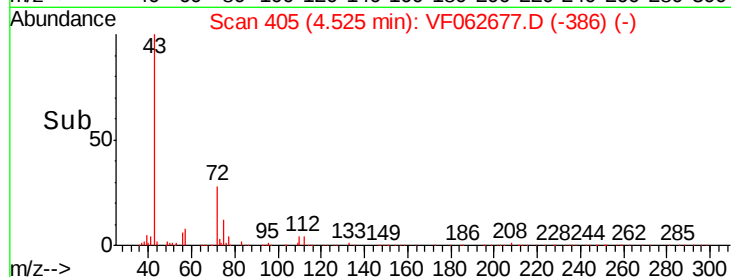
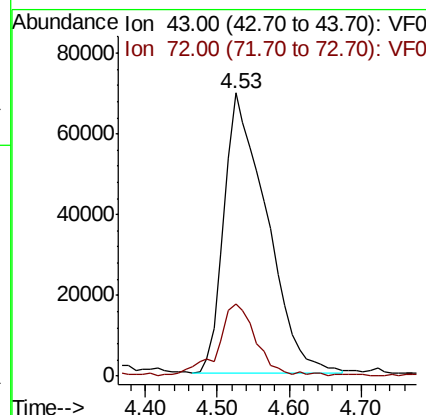
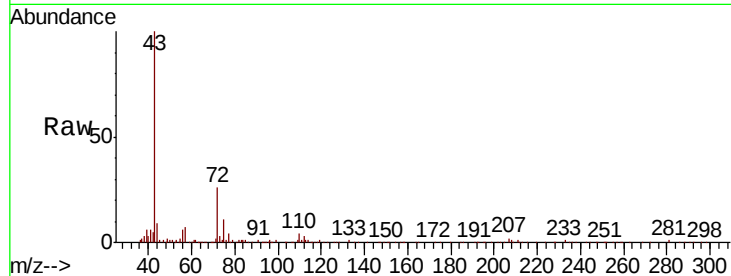
VF0521SBS01

Tot Ion: 43 Resp: 283695

Ion Ratio Lower Upper

43 100

72 25.6 20.1 30.1



#26

2,2-Dichloropropane

Concen: 23.428 ug/l

RT: 3.78 min Scan# 329

Delta R.T. -0.01 min

Lab File: VF062677.D

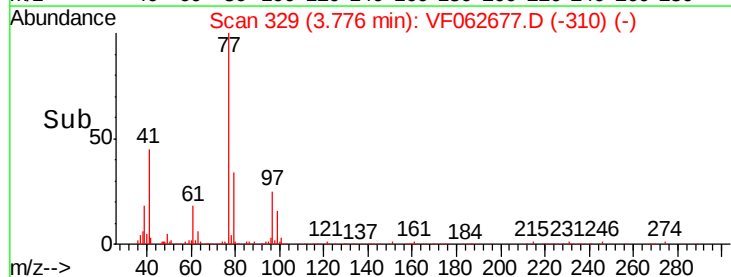
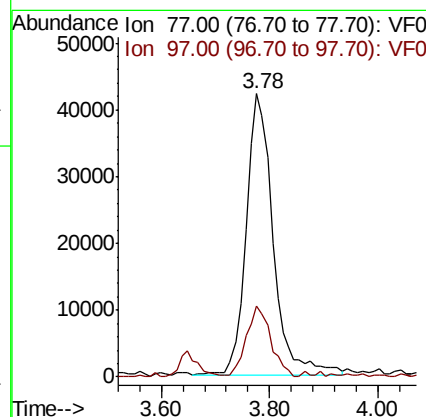
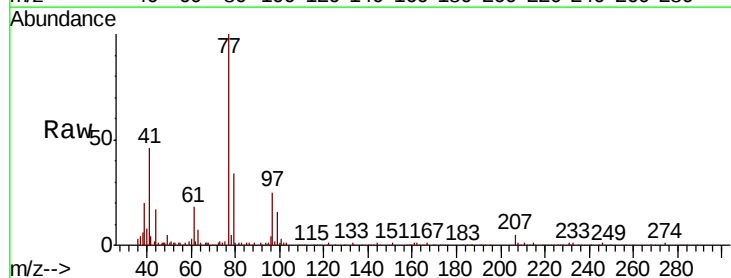
Acq: 21 May 2019 12:11

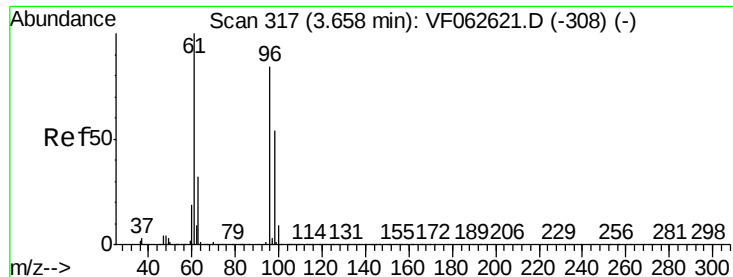
Tgt Ion: 77 Resp: 146330

Ion Ratio Lower Upper

77 100

97 25.1 14.1 42.4



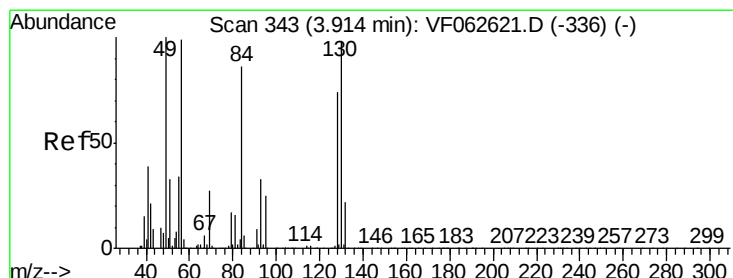
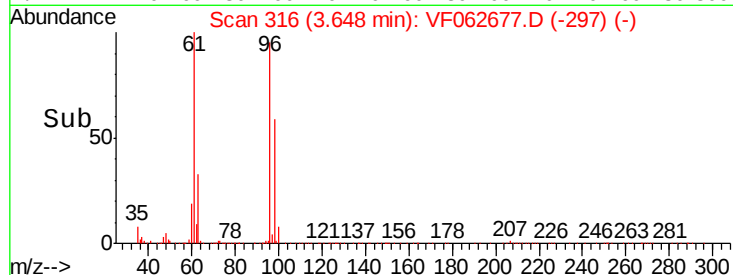
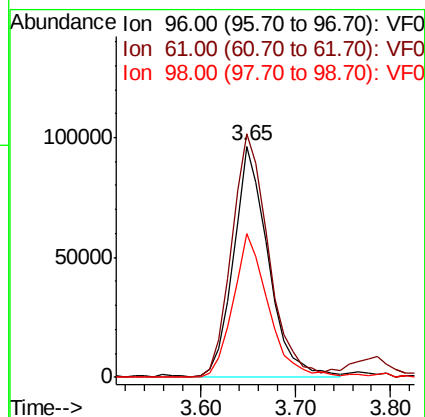
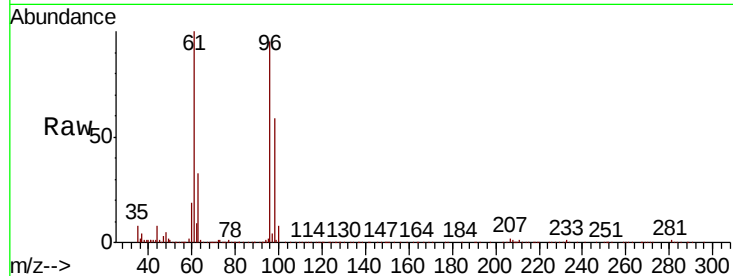


#27

cis-1,2-Dichloroethene
 Concen: 22.696 ug/l
 RT: 3.65 min Scan# 316
 Delta R.T. -0.01 min
 Lab File: VF062677.D
 Acq: 21 May 2019 12:11

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0521SBS01

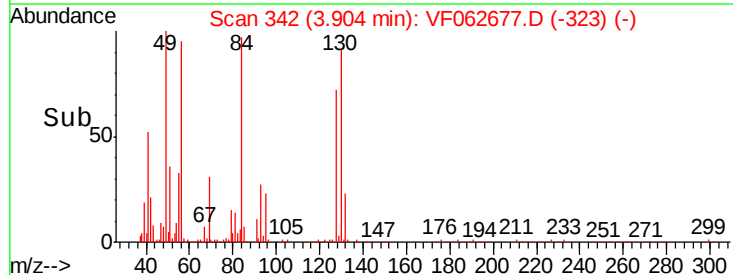
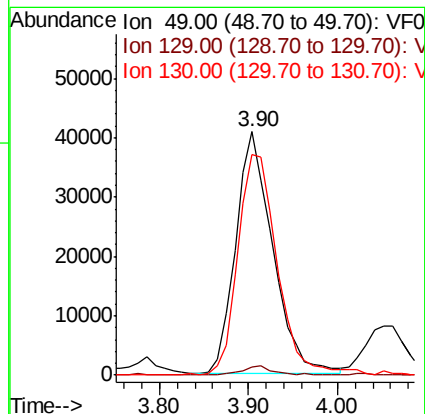
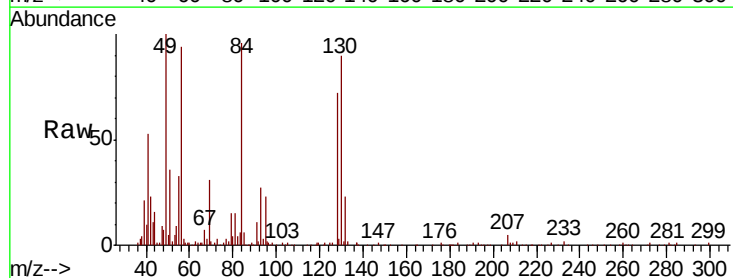
Tot Ion	Ratio	Lower	Upper
96	100		
61	105.2	0.0	237.4
98	62.2	0.0	129.0

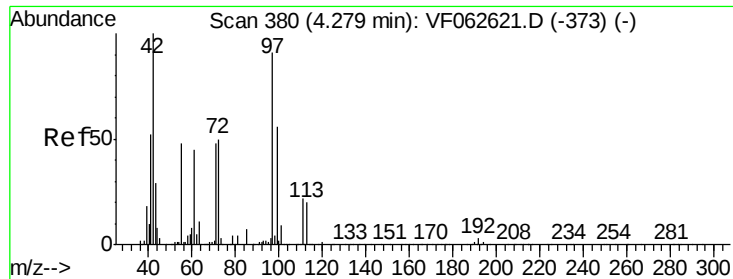


#28

Bromochloromethane
 Concen: 19.398 ug/l
 RT: 3.90 min Scan# 342
 Delta R.T. -0.01 min
 Lab File: VF062677.D
 Acq: 21 May 2019 12:11

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.3	0.0	4.0
130	90.4	77.8	116.8

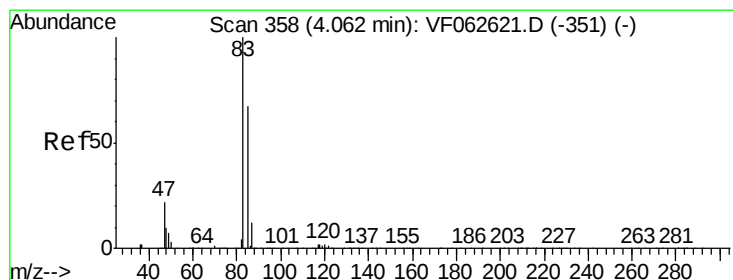
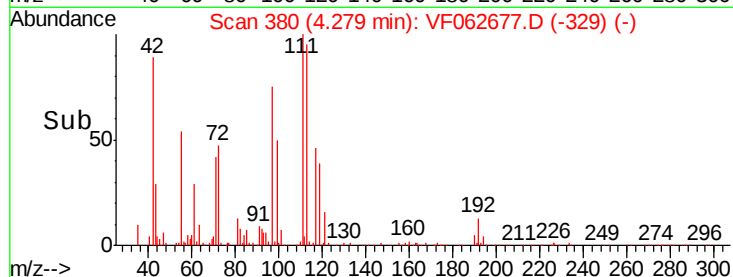
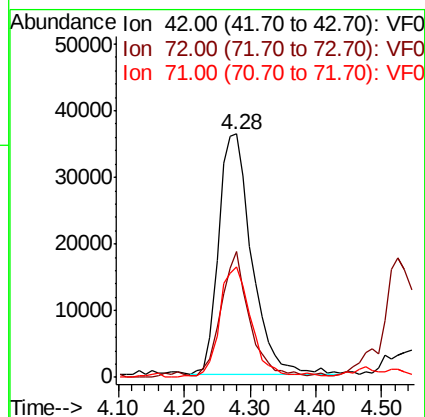
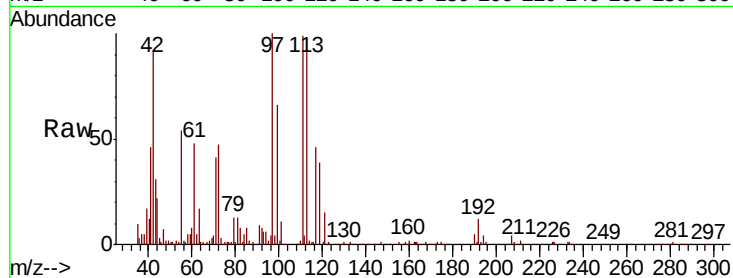




#29
Tetrahydrofuran
Concen: 107.216 ug/l
RT: 4.28 min Scan# 380
Delta R.T. 0.00 min
Lab File: VF062677.D
Acq: 21 May 2019 12:11

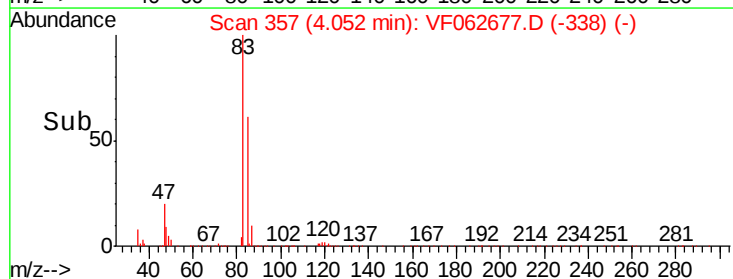
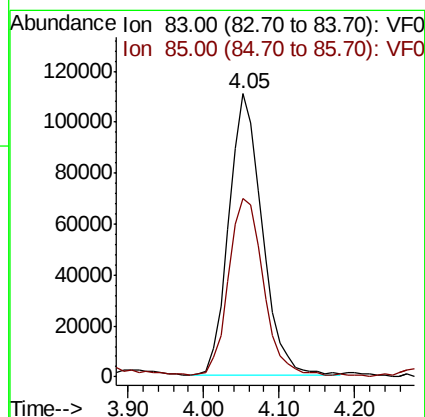
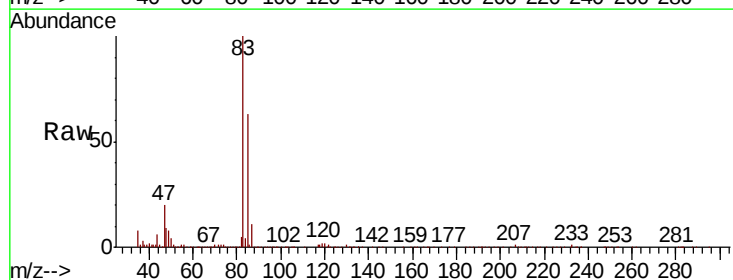
Instrument :
MSVOA_F
ClientSampleId :
VF0521SBS01

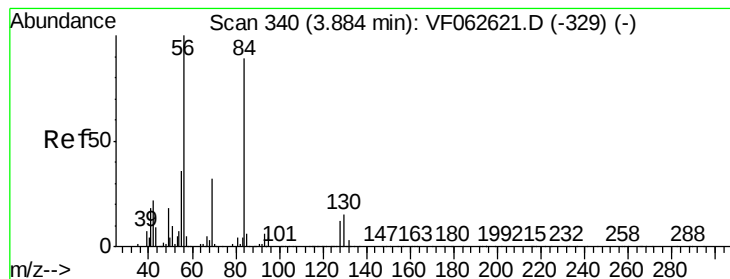
Tot Ion	Ratio	Lower	Upper
42	100		
72	44.0	38.2	57.2
71	43.3	35.8	53.6



#30
Chloroform
Concen: 22.170 ug/l
RT: 4.05 min Scan# 357
Delta R.T. -0.01 min
Lab File: VF062677.D
Acq: 21 May 2019 12:11

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.0	53.6	80.4





#31

Cyclohexane

Concen: 20.677 ug/l

RT: 3.88 min Scan# 340

Delta R.T. 0.00 min

Lab File: VF062677.D

Acq: 21 May 2019 12:11

Instrument :

MSVOA_F

ClientSampleId :

VF0521SBS01

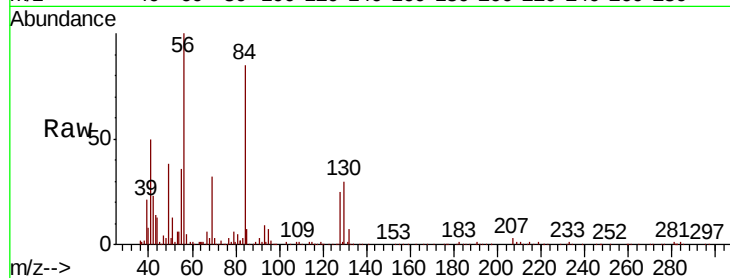
Tot Ion: 56 Resp: 303073

Ion Ratio Lower Upper

56 100

69 31.6 25.3 37.9

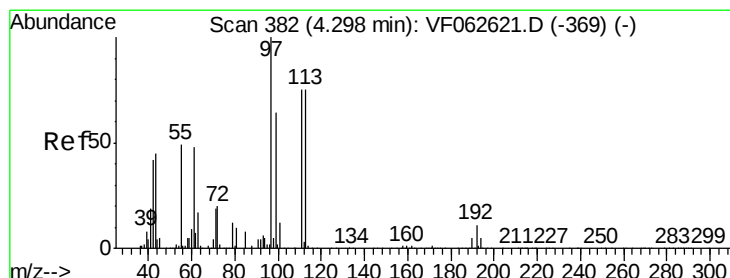
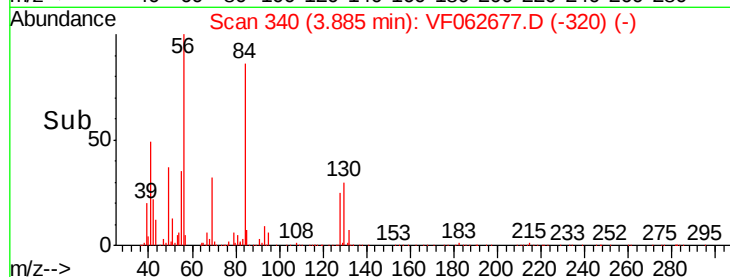
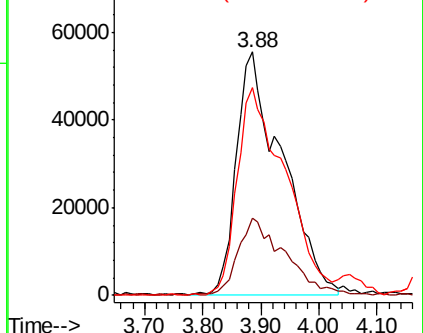
84 85.3 71.0 106.4



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 84.00 (83.70 to 84.70): VF0



#32

1,1,1-Trichloroethane

Concen: 21.609 ug/l

RT: 4.29 min Scan# 381

Delta R.T. -0.01 min

Lab File: VF062677.D

Acq: 21 May 2019 12:11

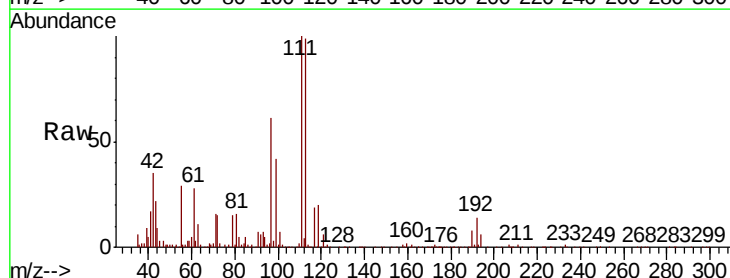
Tgt Ion: 97 Resp: 217509

Ion Ratio Lower Upper

97 100

99 68.9 51.3 76.9

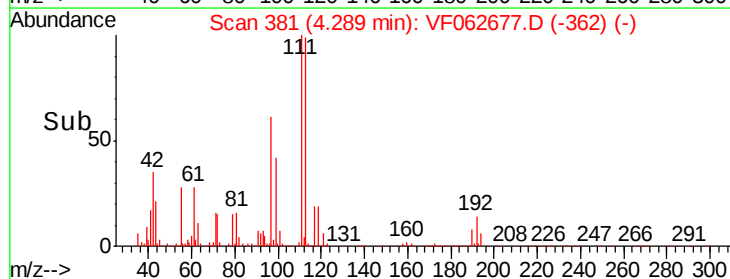
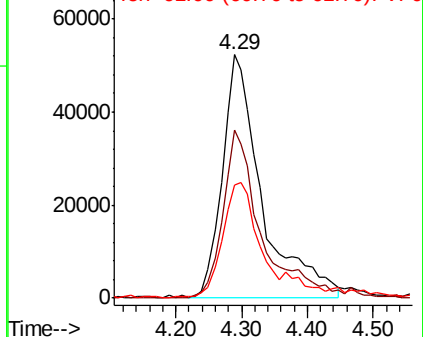
61 46.3 38.2 57.2

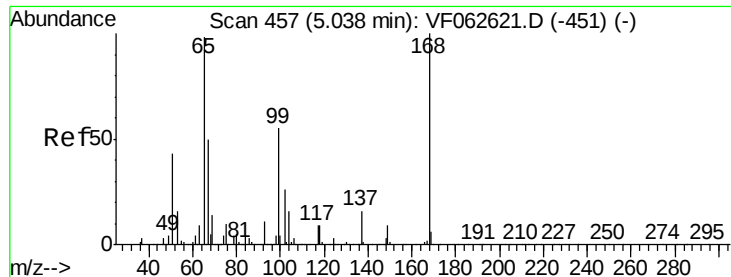


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#33

1,2-Dichloroethane-d4

Concen: 51.504 ug/l

RT: 5.04 min Scan# 457

Delta R.T. 0.00 min

Lab File: VF062677.D

Acq: 21 May 2019 12:11

Instrument :

MSVOA_F

ClientSampleId :

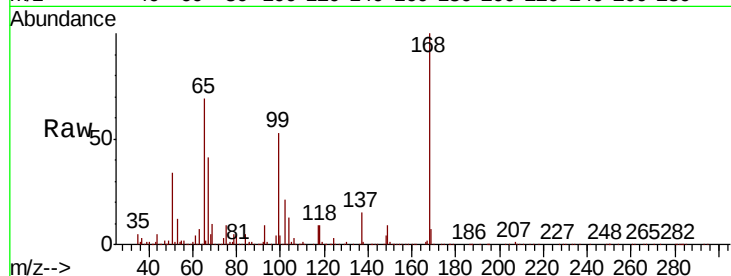
VF0521SBS01

Tot Ion: 65 Resp: 270082

Ion Ratio Lower Upper

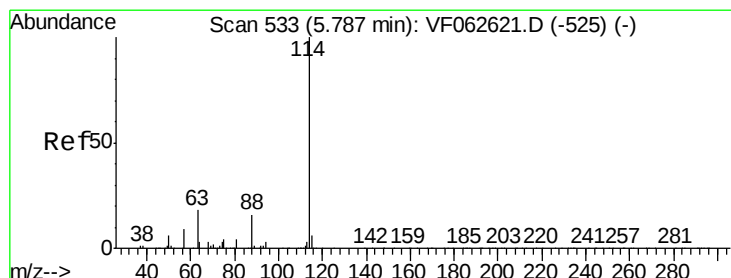
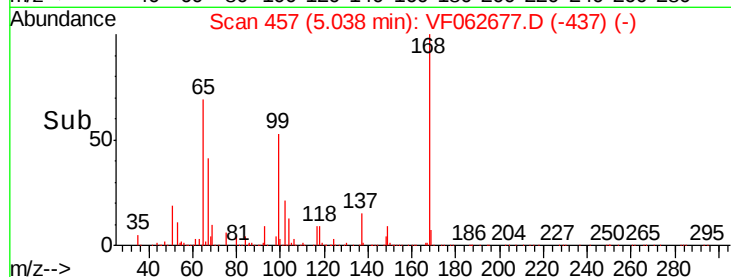
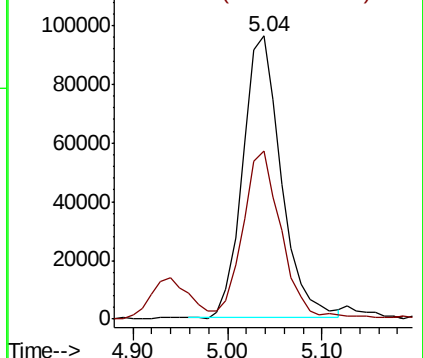
65 100

67 59.5 0.0 117.6



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.78 min Scan# 532

Delta R.T. -0.01 min

Lab File: VF062677.D

Acq: 21 May 2019 12:11

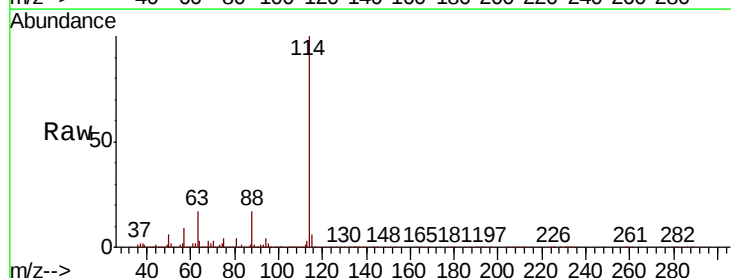
Tgt Ion: 114 Resp: 1250825

Ion Ratio Lower Upper

114 100

63 17.3 0.0 35.4

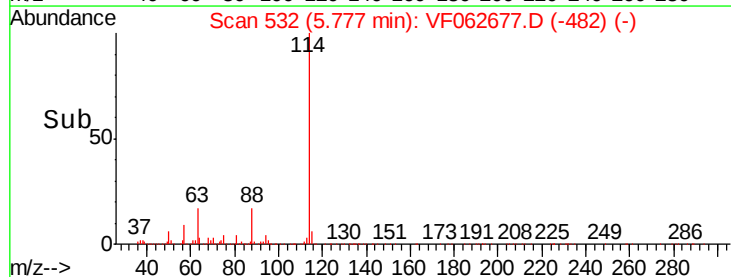
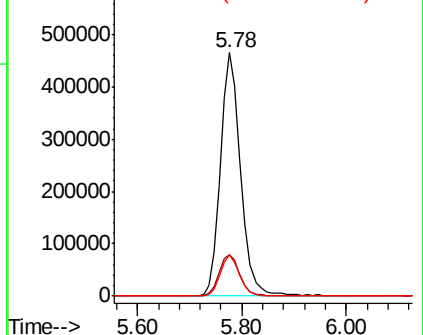
88 17.1 0.0 32.4

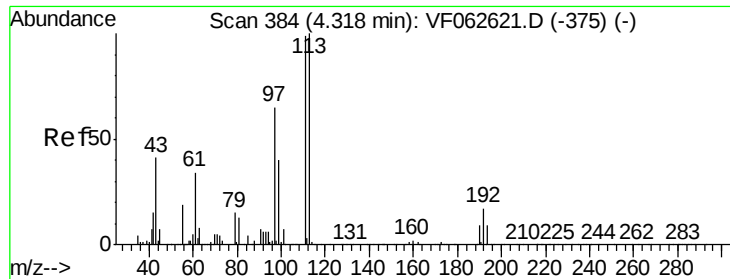


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

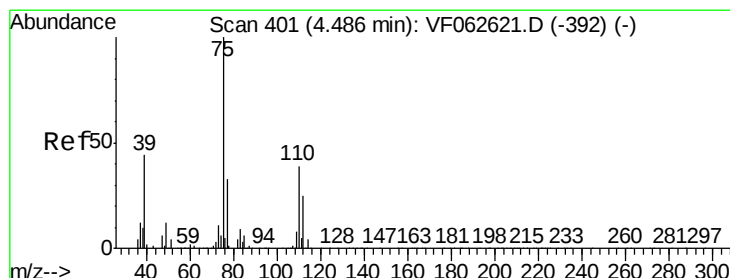
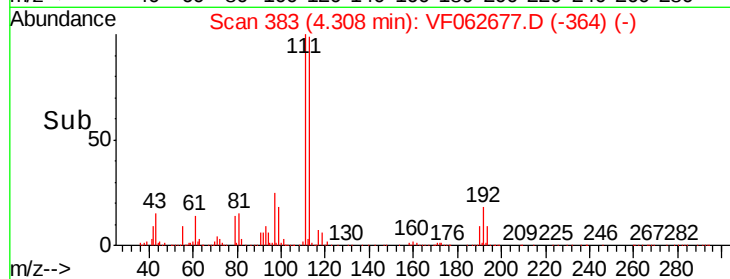
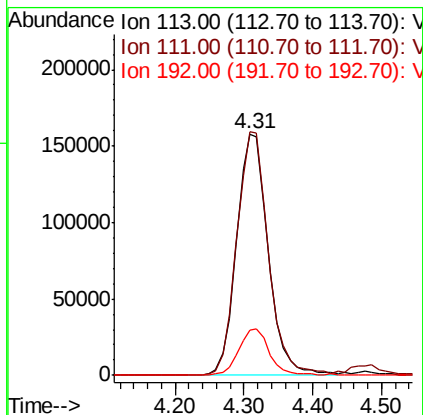
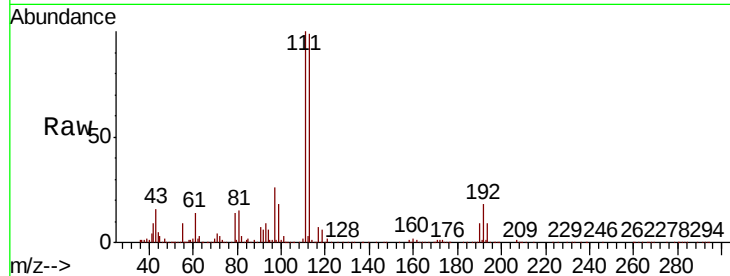




#35
 Dibromofluoromethane
 Concen: 52.513 ug/l
 RT: 4.31 min Scan# 383
 Delta R.T. -0.01 min
 Lab File: VF062677.D
 Acq: 21 May 2019 12:11

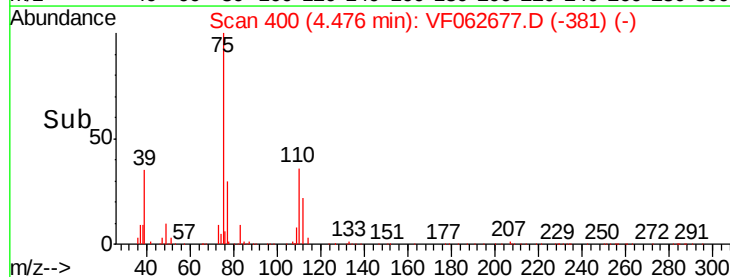
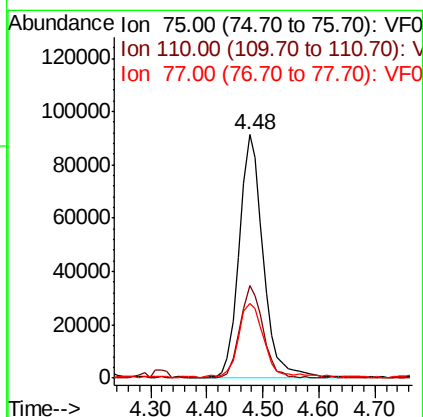
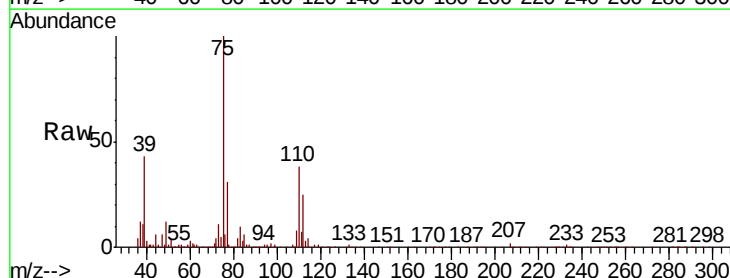
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0521SBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	100.9	79.4	119.2
192	18.6	13.4	20.2



#36
 1,1-Dichloropropene
 Concen: 21.088 ug/l
 RT: 4.48 min Scan# 400
 Delta R.T. -0.01 min
 Lab File: VF062677.D
 Acq: 21 May 2019 12:11

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.8	19.7	59.1
77	30.9	26.3	39.5





#37

Ethyl Acetate

Concen: 18.585 ug/l

RT: 4.32 min Scan# 384

Delta R.T. 0.01 min

Lab File: VF062677.D

Acq: 21 May 2019 12:11

Instrument :

MSVOA_F

ClientSampleId :

VF0521SBS01

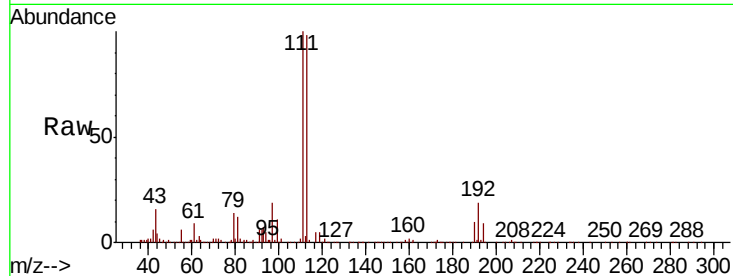
Tot Ion: 43 Resp: 97262

Ion Ratio Lower Upper

43 100

61 58.2 76.9 115.3#

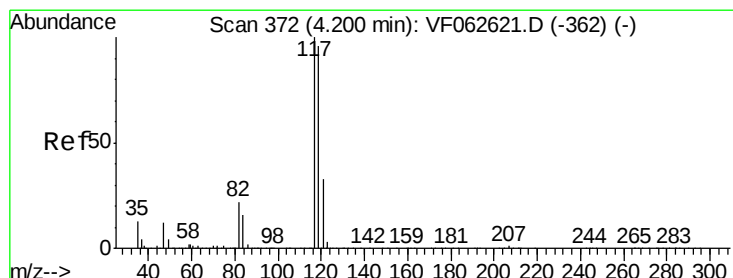
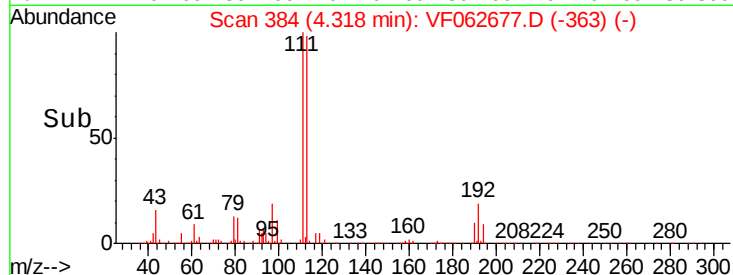
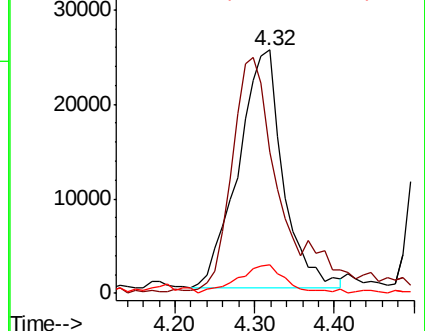
70 11.9 8.8 13.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0



#38

Carbon Tetrachloride

Concen: 20.258 ug/l

RT: 4.18 min Scan# 370

Delta R.T. -0.02 min

Lab File: VF062677.D

Acq: 21 May 2019 12:11

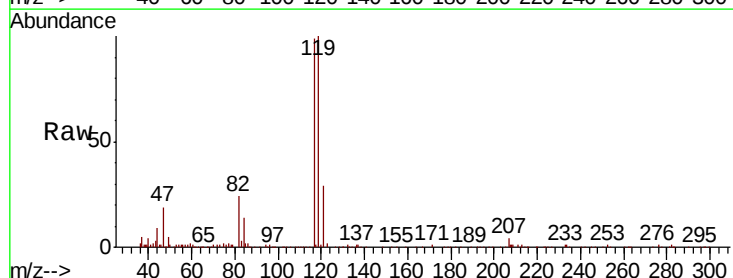
Tgt Ion: 117 Resp: 195280

Ion Ratio Lower Upper

117 100

119 99.9 76.7 115.1

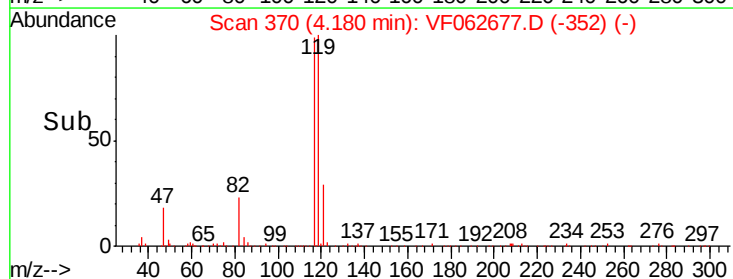
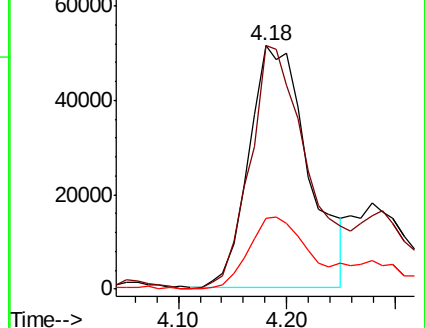
121 29.1 26.6 40.0

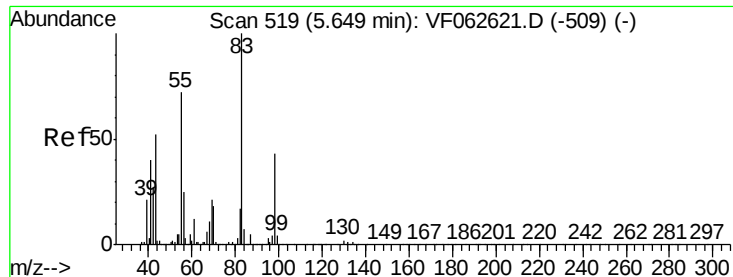


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V

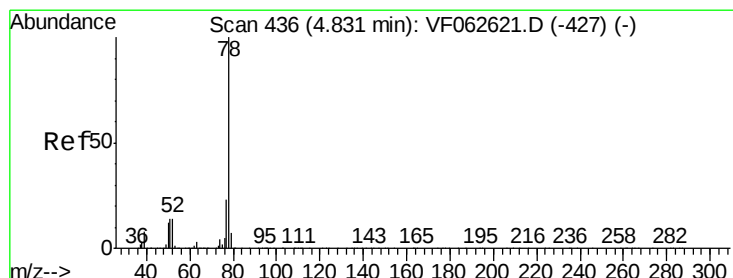
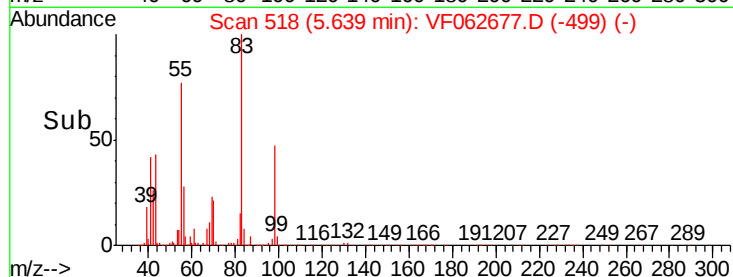
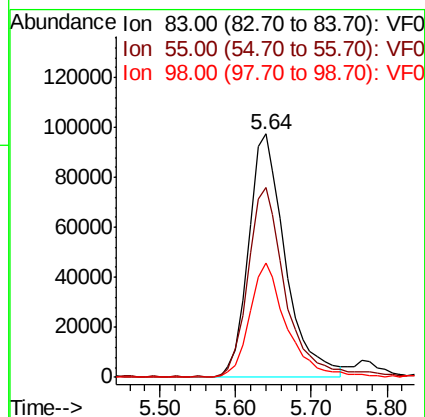
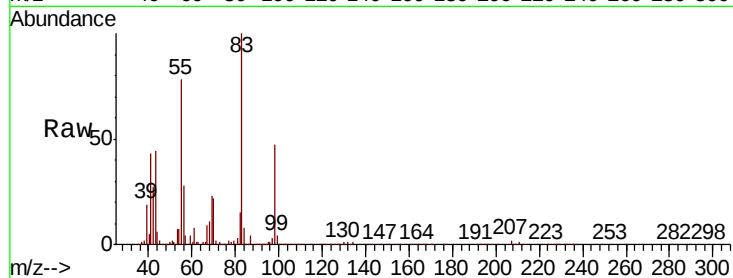




#39
Methvlcvclohexane
Concen: 21.416 ug/l
RT: 5.64 min Scan# 518
Delta R.T. -0.01 min
Lab File: VF062677.D
Acq: 21 May 2019 12:11

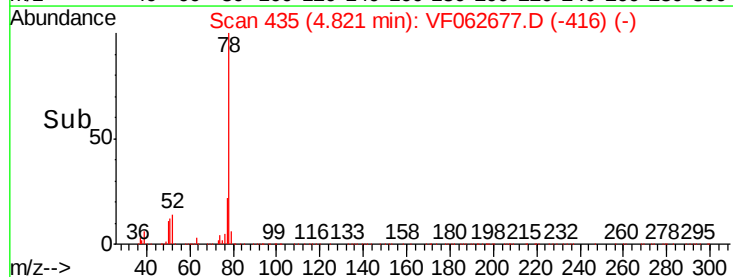
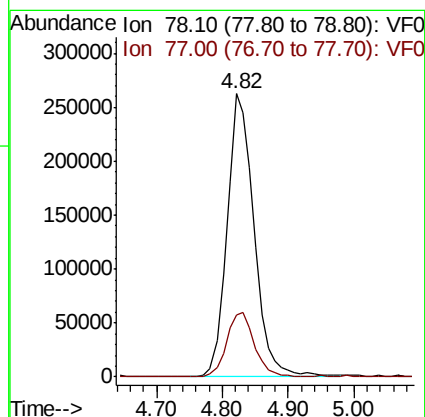
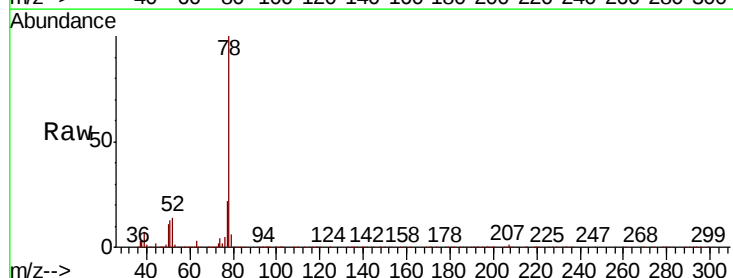
Instrument :
MSVOA_F
ClientSampleId :
VF0521SBS01

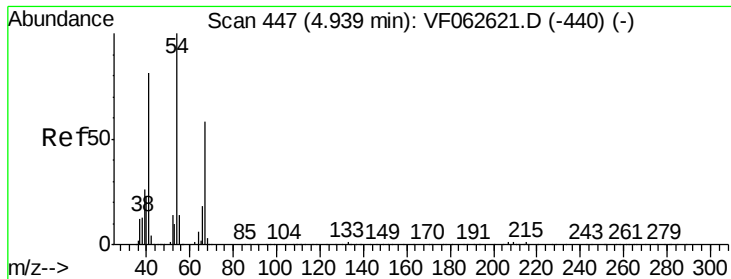
Tot Ion: 83 Resp: 330289
Ion Ratio Lower Upper
83 100
55 77.9 57.9 86.9
98 47.2 34.6 52.0



#40
Benzene
Concen: 21.568 ug/l
RT: 4.82 min Scan# 435
Delta R.T. -0.01 min
Lab File: VF062677.D
Acq: 21 May 2019 12:11

Tgt Ion: 78 Resp: 753085
Ion Ratio Lower Upper
78 100
77 22.1 18.2 27.2





#41

Methacrylonitrile

Concen: 19.907 ug/l

RT: 4.94 min Scan# 447

Delta R.T. 0.00 min

Lab File: VF062677.D

Acq: 21 May 2019 12:11

Instrument :

MSVOA_F

ClientSampleId :

VF0521SBS01

Tot Ion: 41 Resp: 54617

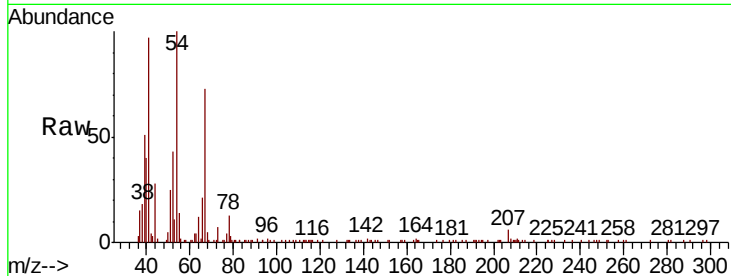
Ion	Ratio	Lower	Upper
41	100		
39	52.8	42.2	63.2
67	74.9	56.4	84.6
52	44.3	38.8	58.2

41 100

39 52.8 42.2 63.2

67 74.9 56.4 84.6

52 44.3 38.8 58.2



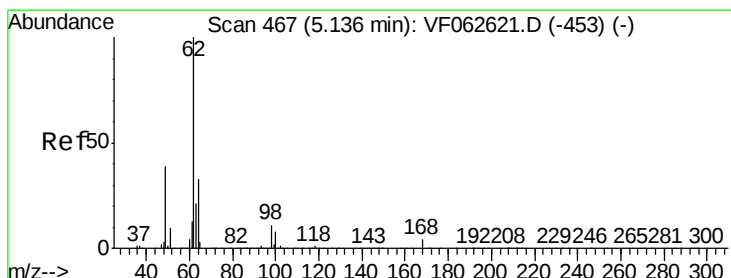
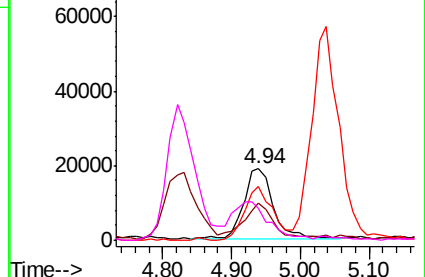
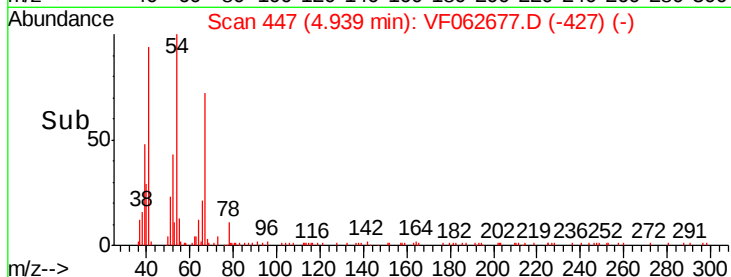
Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Time-->



#42

1,2-Dichloroethane

Concen: 20.977 ug/l

RT: 5.14 min Scan# 467

Delta R.T. 0.00 min

Lab File: VF062677.D

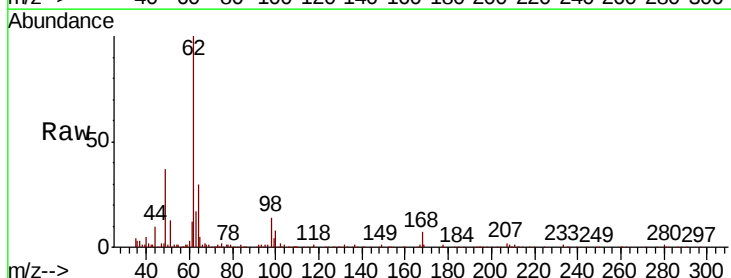
Acq: 21 May 2019 12:11

Tgt Ion: 62 Resp: 146065

Ion	Ratio	Lower	Upper
62	100		
98	14.2	0.0	21.6

62 100

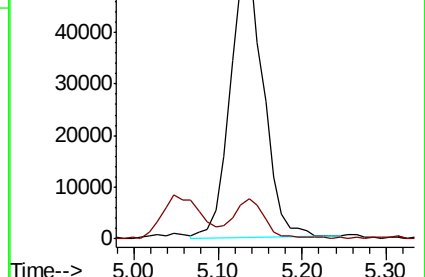
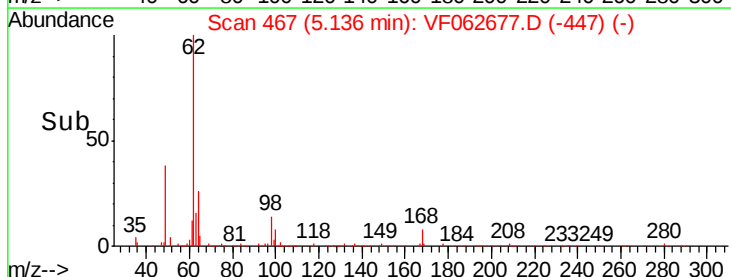
98 14.2 0.0 21.6

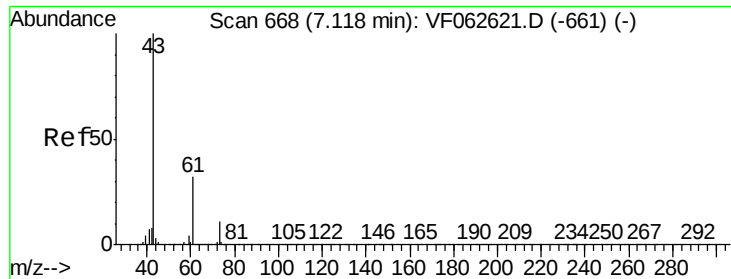


Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Time-->



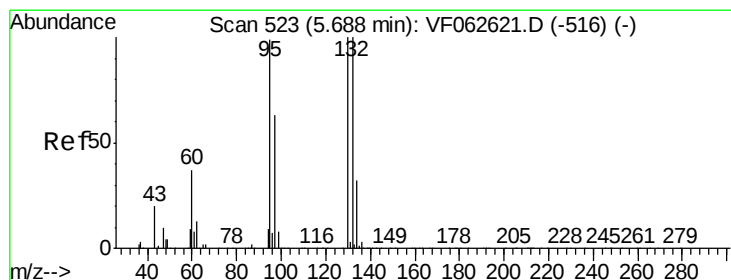
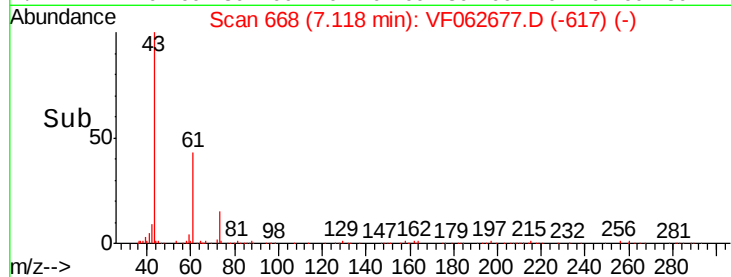
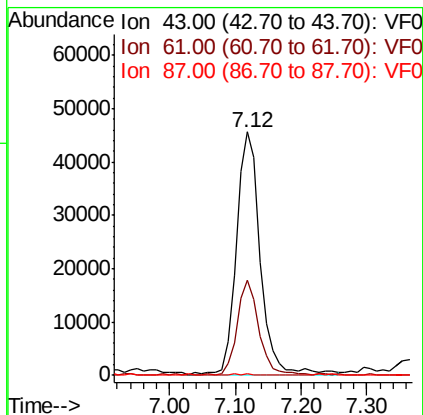
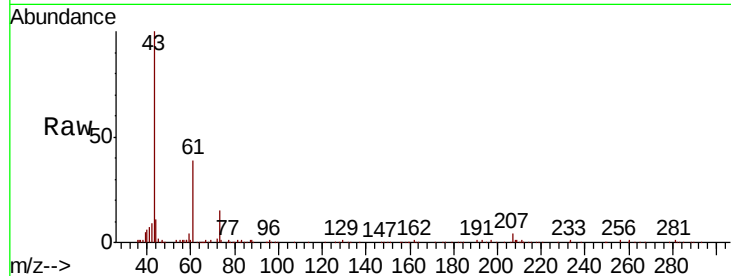


#43

Isopropyl Acetate
 Concen: 16.963 ug/l
 RT: 7.12 min Scan# 668
 Delta R.T. 0.00 min
 Lab File: VF062677.D
 Acq: 21 May 2019 12:11

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0521SBS01

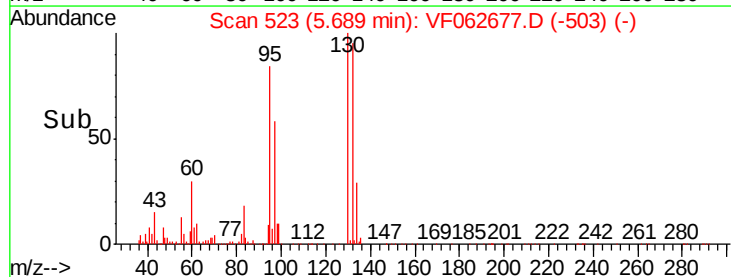
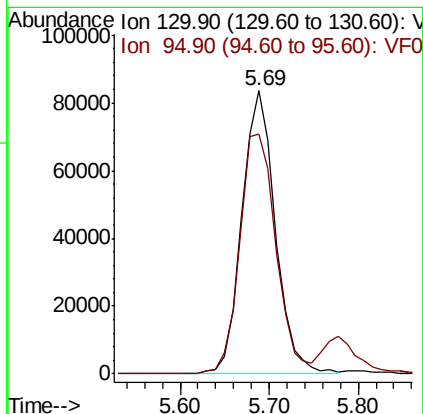
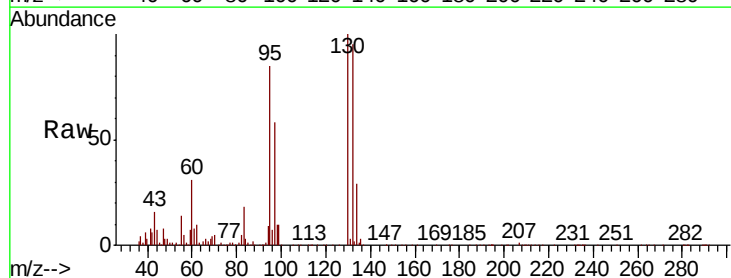
Tot Ion	Ratio	Lower	Upper
43	100		
61	39.3	25.8	38.8#
87	0.6	0.4	0.6

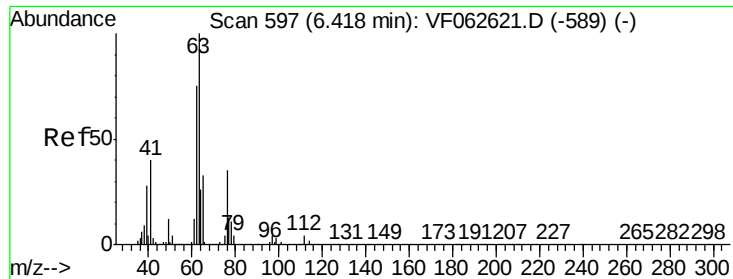


#44

Trichloroethene
 Concen: 22.123 ug/l
 RT: 5.69 min Scan# 523
 Delta R.T. 0.00 min
 Lab File: VF062677.D
 Acq: 21 May 2019 12:11

Tgt Ion	Ratio	Lower	Upper
130	100		
95	84.6	0.0	199.4

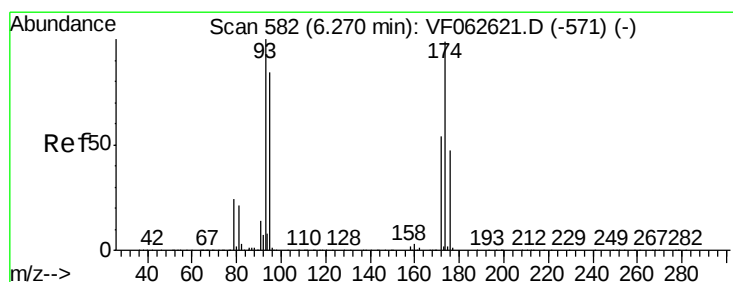
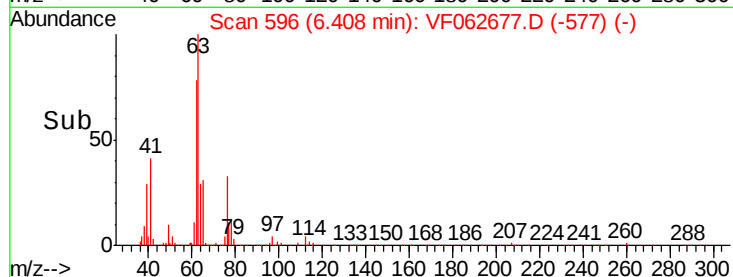
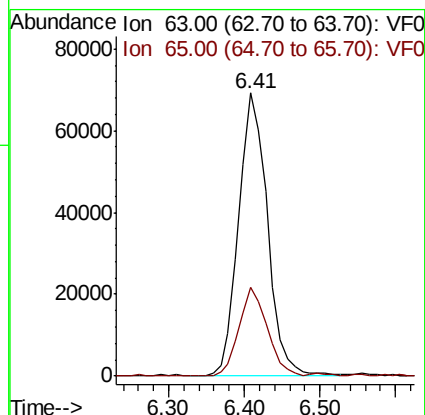
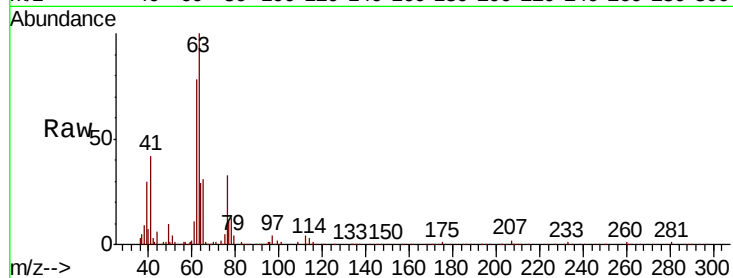




#45
 1,2-Dichloropropane
 Concen: 20.852 ug/l
 RT: 6.41 min Scan# 596
 Delta R.T. -0.01 min
 Lab File: VF062677.D
 Acq: 21 May 2019 12:11

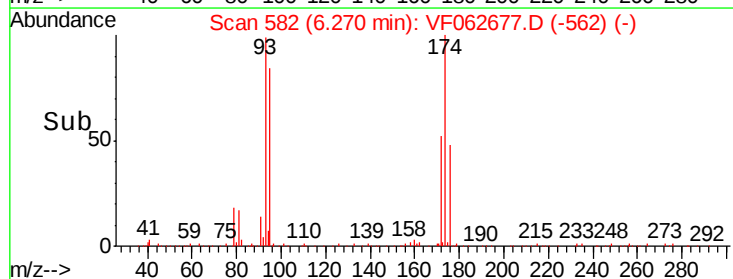
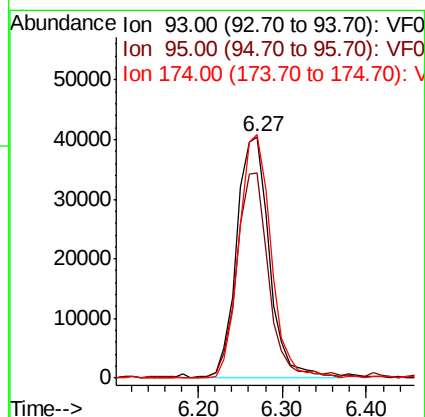
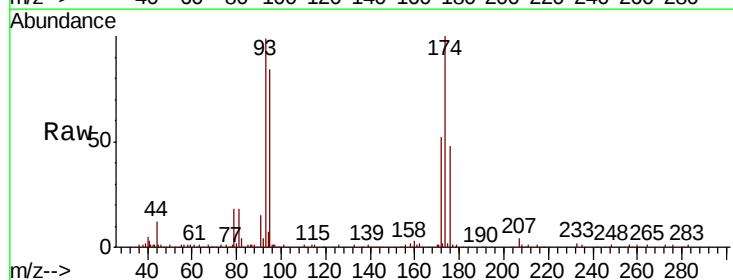
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0521SBS01

Tot Ion: 63 Resp: 183794
 Ion Ratio Lower Upper
 63 100
 65 31.3 26.3 39.5



#46
 Dibromomethane
 Concen: 21.281 ug/l
 RT: 6.27 min Scan# 582
 Delta R.T. 0.00 min
 Lab File: VF062677.D
 Acq: 21 May 2019 12:11

Tgt Ion: 93 Resp: 108409
 Ion Ratio Lower Upper
 93 100
 95 84.8 67.4 101.2
 174 100.8 79.4 119.2





#47

Bromodichloromethane

Concen: 21.852 ug/l

RT: 6.56 min Scan# 611

Delta R.T. -0.01 min

Lab File: VF062677.D

Acq: 21 May 2019 12:11

Instrument :

MSVOA_F

ClientSampleId :

VF0521SBS01

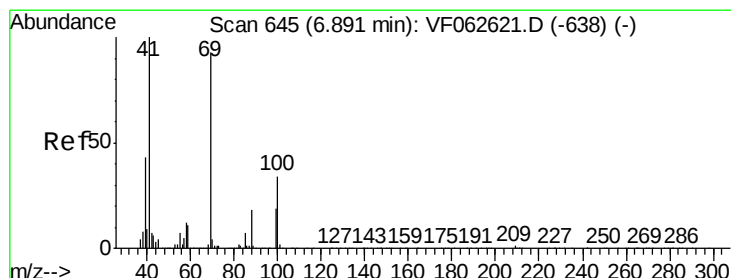
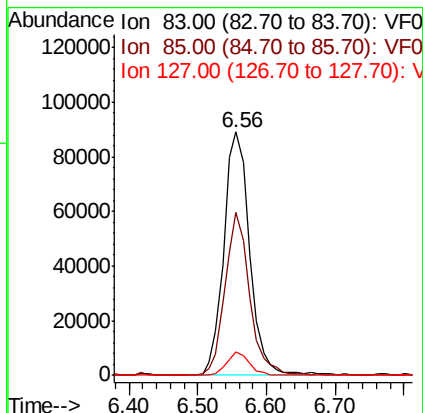
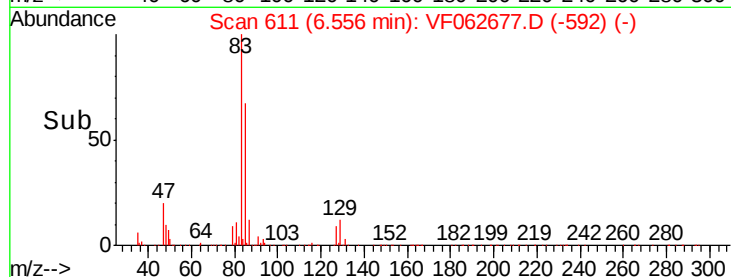
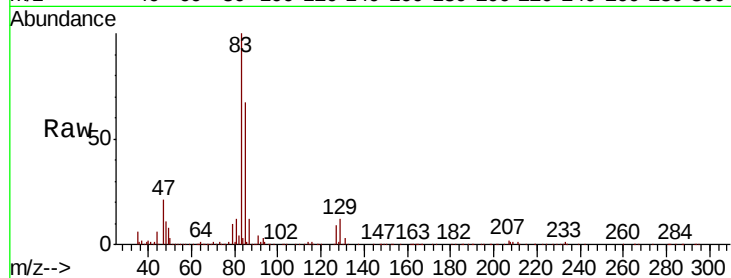
Tot Ion: 83 Resp: 231094

Ion Ratio Lower Upper

83 100

85 68.2 52.0 78.0

127 9.4 7.7 11.5



#48

Methyl methacrylate

Concen: 18.091 ug/l

RT: 6.88 min Scan# 644

Delta R.T. -0.01 min

Lab File: VF062677.D

Acq: 21 May 2019 12:11

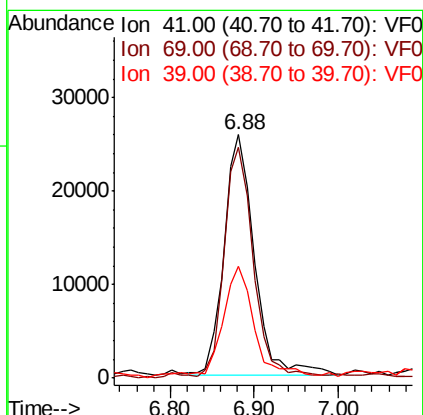
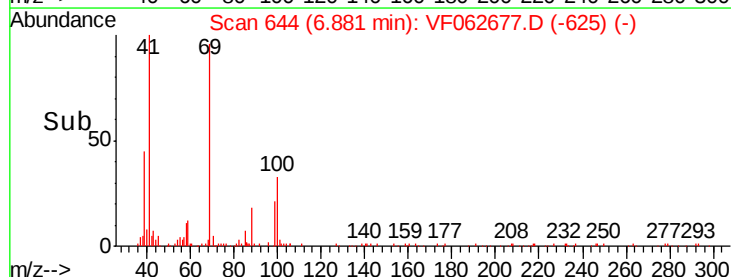
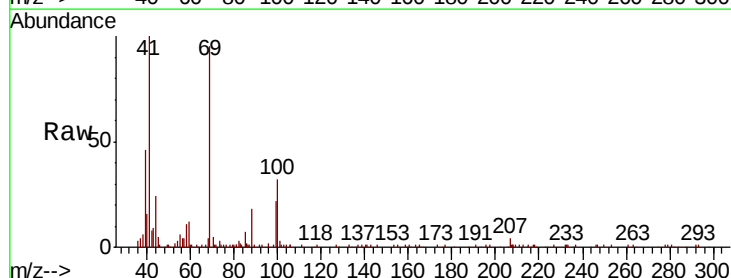
Tgt Ion: 41 Resp: 64108

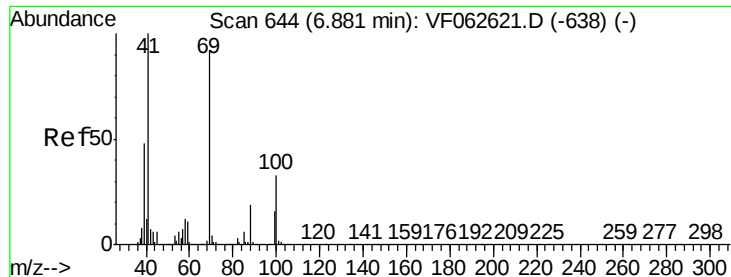
Ion Ratio Lower Upper

41 100

69 95.0 74.2 111.2

39 45.9 34.2 51.4

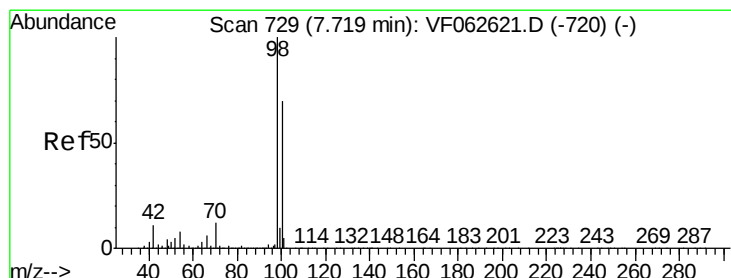
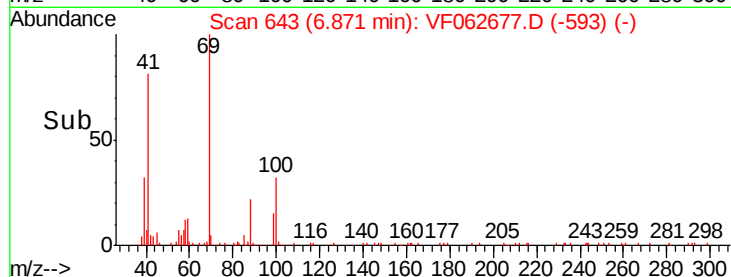
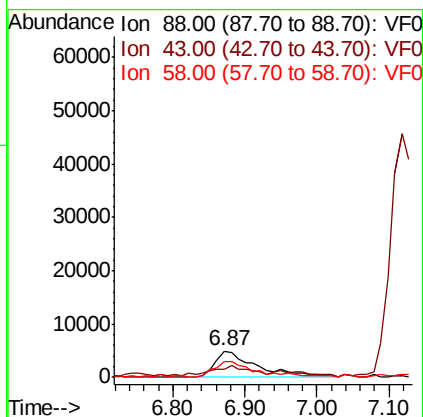
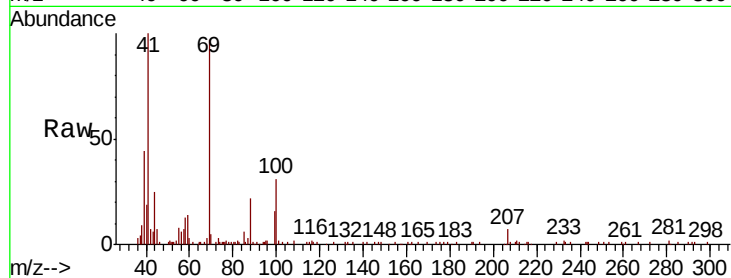




#49
1,4-Dioxane
Concen: 439.811 ug/l
RT: 6.87 min Scan# 643
Delta R.T. -0.01 min
Lab File: VF062677.D
Acq: 21 May 2019 12:11

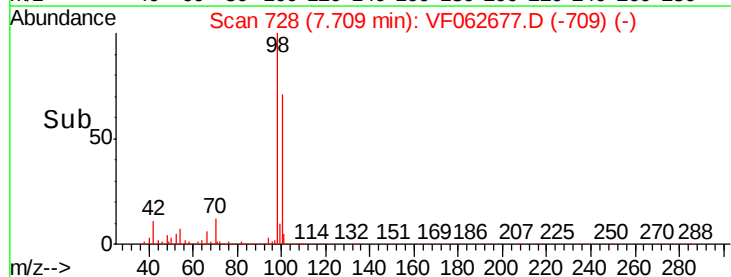
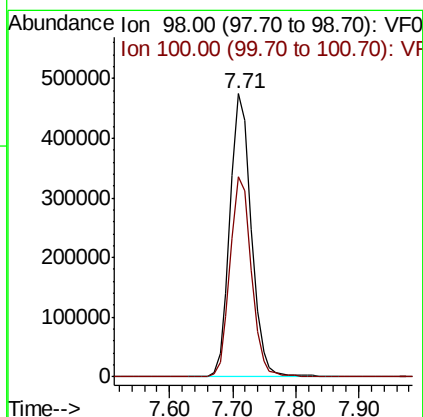
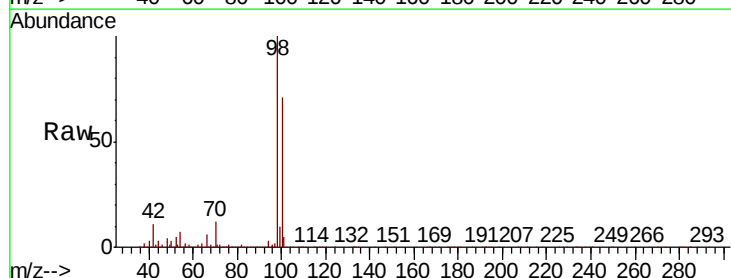
Instrument :
MSVOA_F
ClientSampleId :
VF0521SBS01

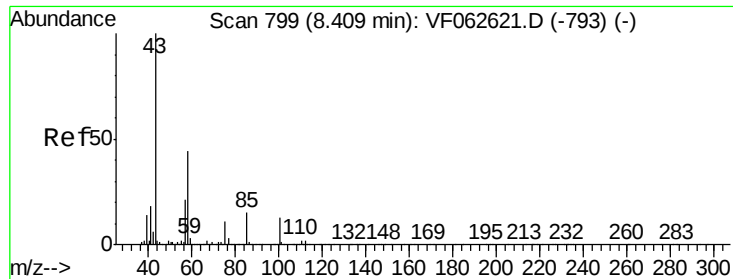
Tot Ion: 88 Resp: 19962
Ion Ratio Lower Upper
88 100
43 28.5 30.0 45.0#
58 58.6 51.1 76.7



#50
Toluene-d8
Concen: 48.584 ug/l
RT: 7.71 min Scan# 728
Delta R.T. -0.01 min
Lab File: VF062677.D
Acq: 21 May 2019 12:11

Tgt Ion: 98 Resp: 1110271
Ion Ratio Lower Upper
98 100
100 70.9 56.2 84.2





#51

4-Methyl-2-Pentanone

Concen: 96.785 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.01 min

Lab File: VF062677.D

Acq: 21 May 2019 12:11

Instrument :

MSVOA_F

ClientSampleId :

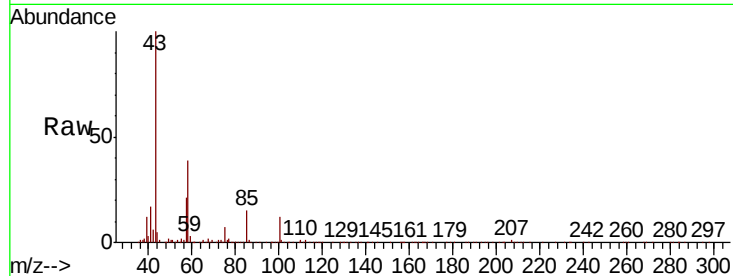
VF0521SBS01

Tot Ion: 43 Resp: 448531

Ion Ratio Lower Upper

43 100

58 39.4 34.9 52.3



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.40

200000

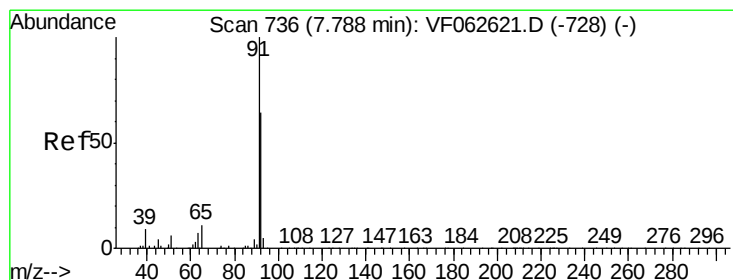
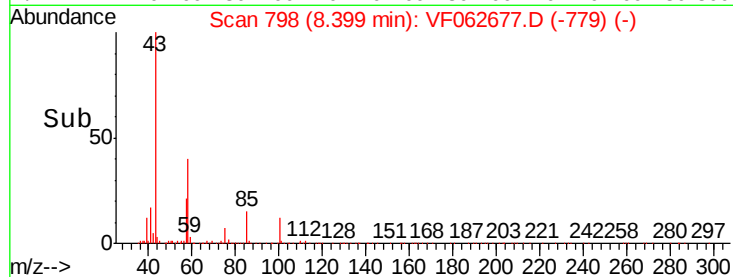
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 19.906 ug/l

RT: 7.78 min Scan# 735

Delta R.T. -0.01 min

Lab File: VF062677.D

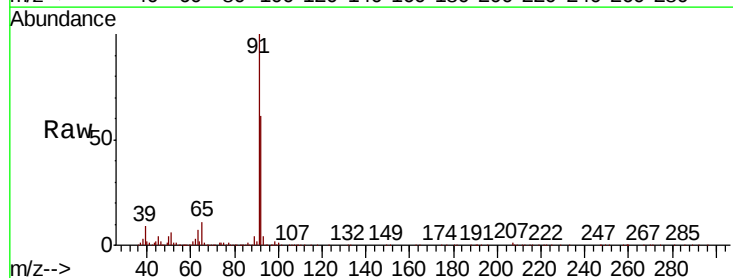
Acq: 21 May 2019 12:11

Tgt Ion: 92 Resp: 364530

Ion Ratio Lower Upper

92 100

91 165.3 125.4 188.0



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.78

300000

250000

200000

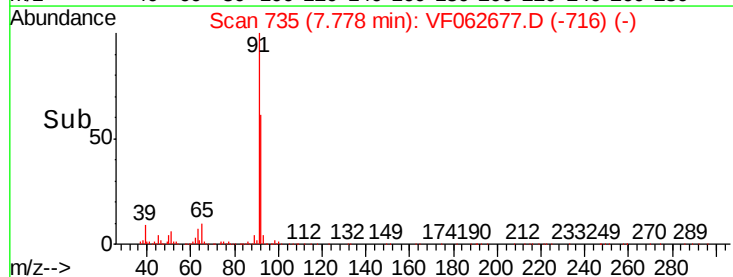
150000

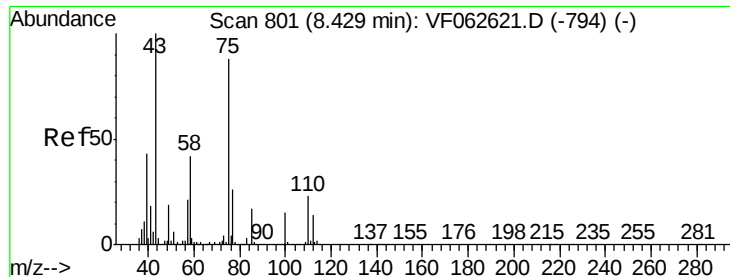
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.841 ug/l

RT: 8.43 min Scan# 801

Delta R.T. 0.00 min

Lab File: VF062677.D

Acq: 21 May 2019 12:11

Instrument :

MSVOA_F

ClientSampleId :

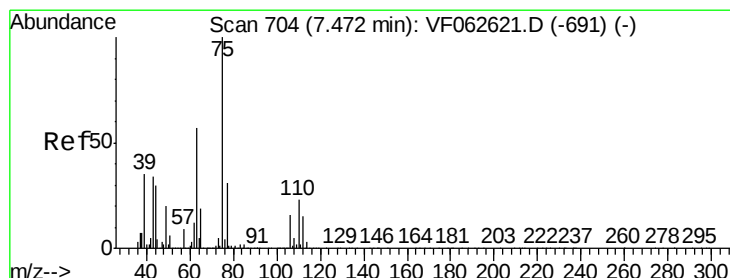
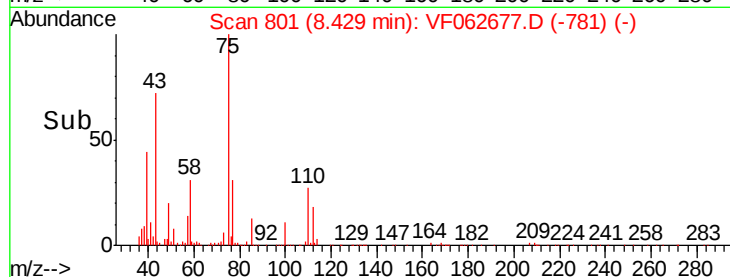
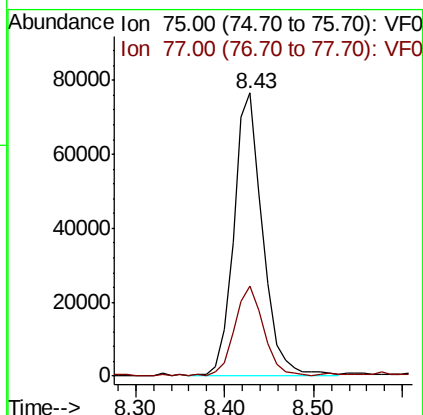
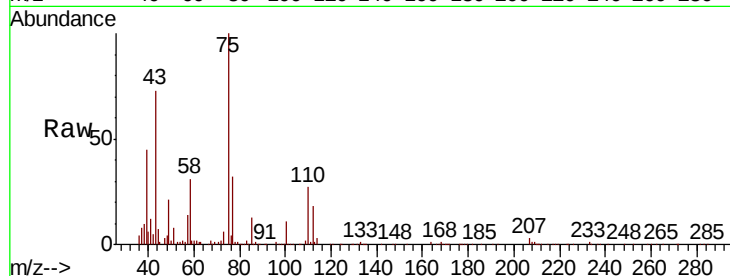
VF0521SBS01

Tot Ion: 75 Resp: 171661

Ion Ratio Lower Upper

75 100

77 31.8 24.2 36.4



#54

cis-1,3-Dichloropropene

Concen: 21.266 ug/l

RT: 7.46 min Scan# 703

Delta R.T. -0.01 min

Lab File: VF062677.D

Acq: 21 May 2019 12:11

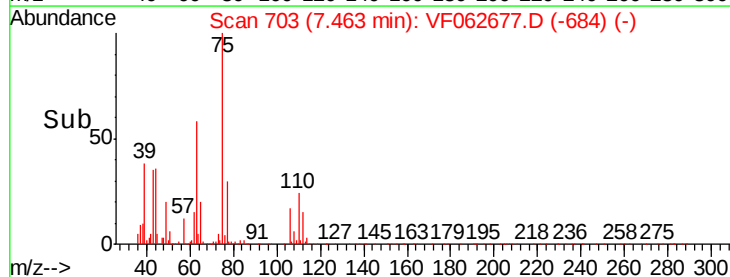
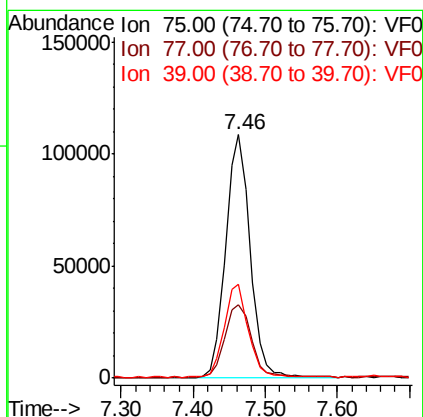
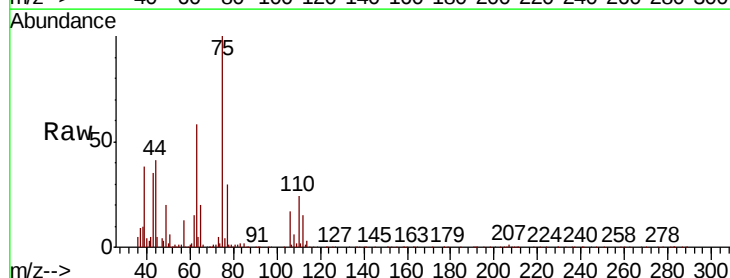
Tgt Ion: 75 Resp: 257551

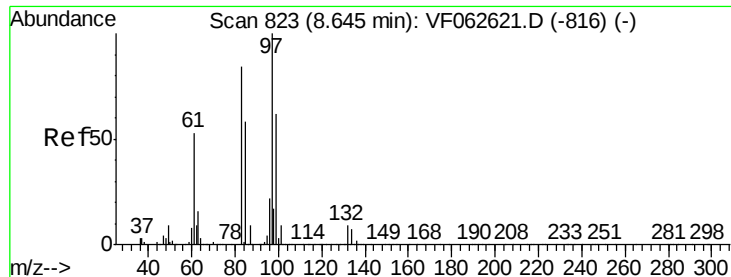
Ion Ratio Lower Upper

75 100

77 30.0 25.3 37.9

39 38.4 28.2 42.2





#55

1,1,2-Trichloroethane

Concen: 21.021 ug/l

RT: 8.64 min Scan# 822

Delta R.T. -0.01 min

Lab File: VF062677.D

Acq: 21 May 2019 12:11

Instrument :

MSVOA_F

ClientSampleId :

VF0521SBS01

Tot Ion: 97 Resp: 113974

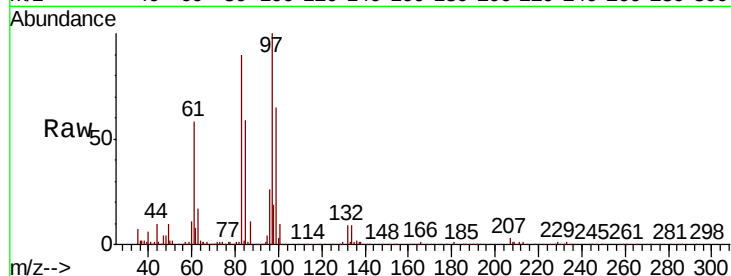
Ion Ratio Lower Upper

97 100

83 89.5 67.3 100.9

85 59.0 46.6 69.8

99 65.0 49.7 74.5

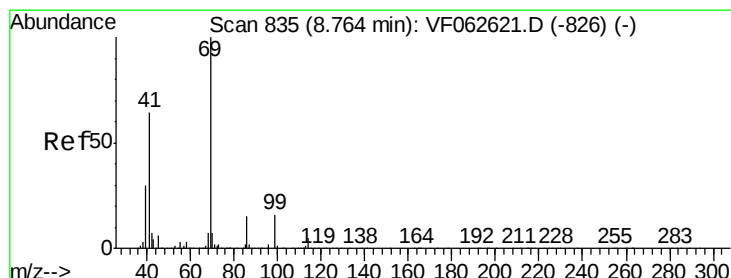
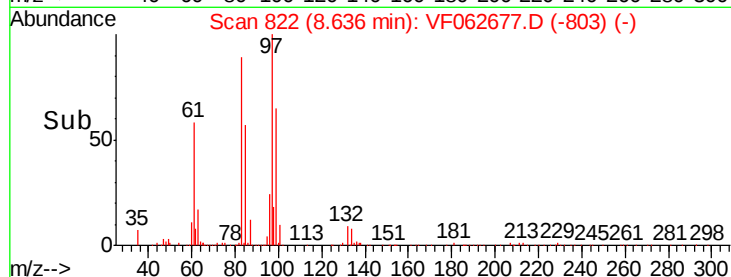
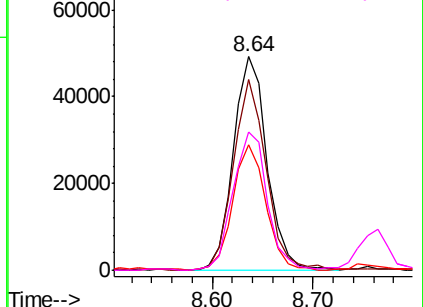


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 18.254 ug/l

RT: 8.75 min Scan# 834

Delta R.T. -0.01 min

Lab File: VF062677.D

Acq: 21 May 2019 12:11

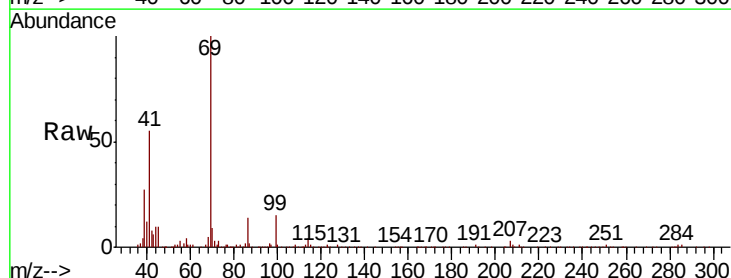
Tgt Ion: 69 Resp: 117917

Ion Ratio Lower Upper

69 100

41 55.0 51.4 77.2

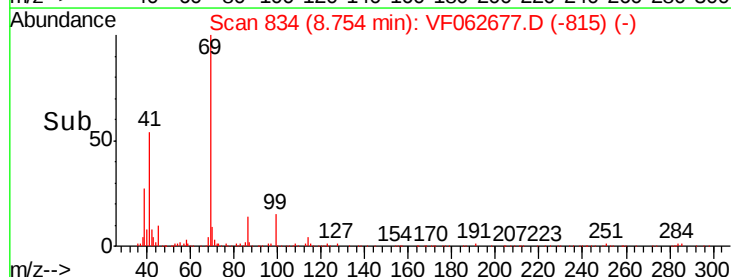
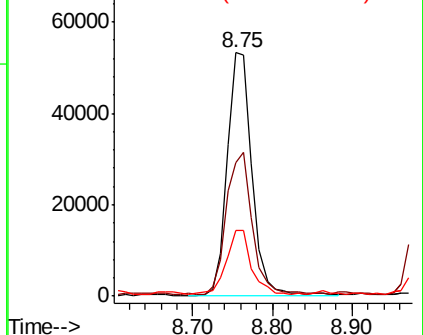
39 26.8 23.6 35.4

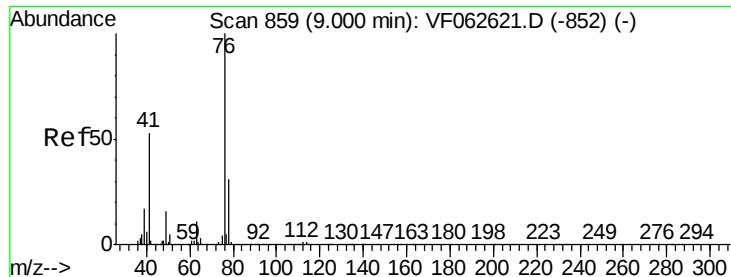


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 20.252 ug/l

RT: 9.00 min Scan# 859

Delta R.T. 0.00 min

Lab File: VF062677.D

Acq: 21 May 2019 12:11

Instrument :

MSVOA_F

ClientSampleId :

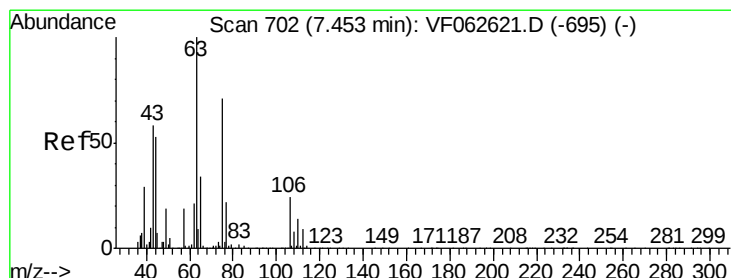
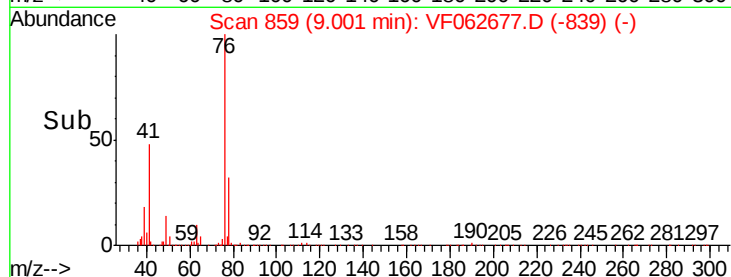
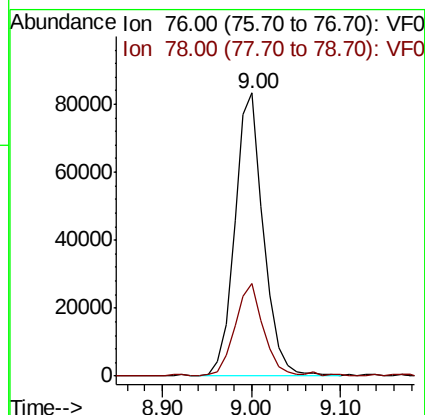
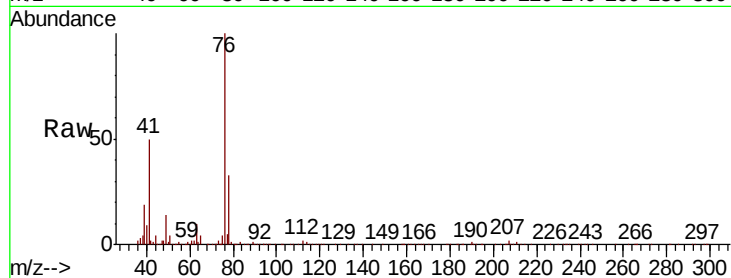
VF0521SBS01

Tot Ion: 76 Resp: 187035

Ion Ratio Lower Upper

76 100

78 32.8 25.4 38.0



#58

2-Chloroethyl Vinyl ether

Concen: 97.248 ug/l

RT: 7.45 min Scan# 702

Delta R.T. 0.00 min

Lab File: VF062677.D

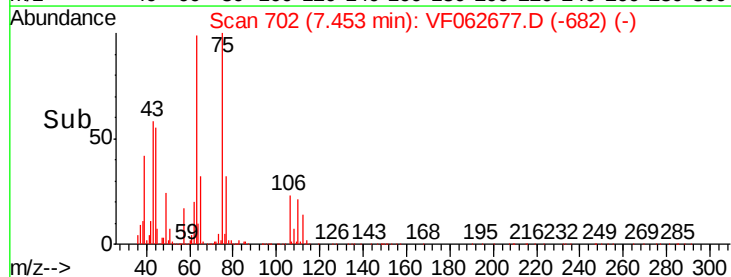
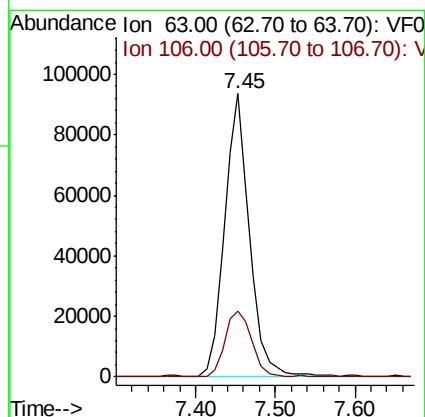
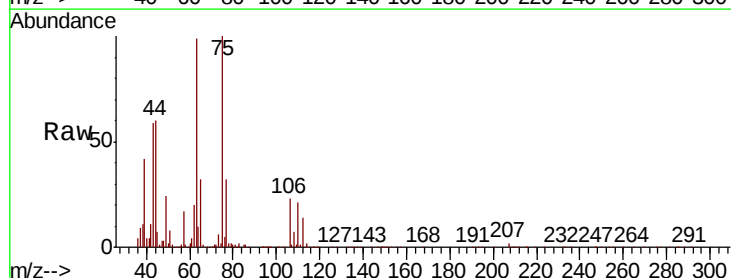
Acq: 21 May 2019 12:11

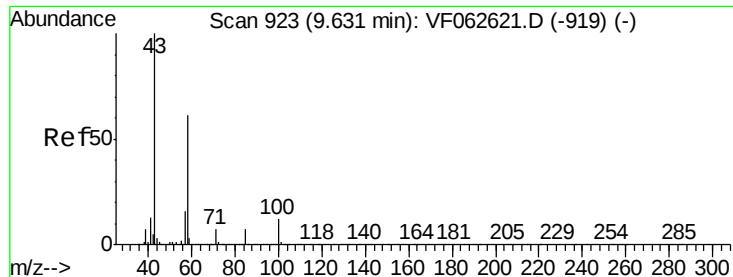
Tgt Ion: 63 Resp: 204474

Ion Ratio Lower Upper

63 100

106 23.4 19.1 28.7

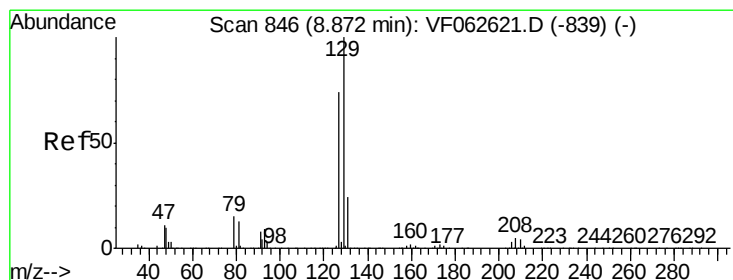
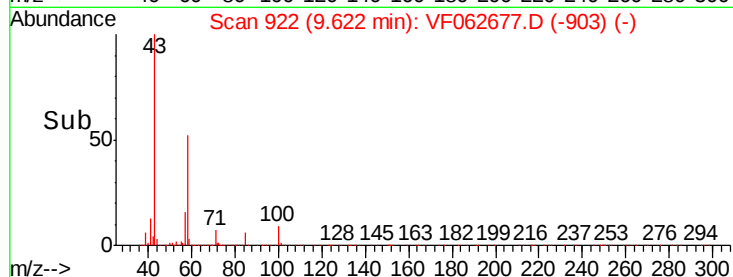
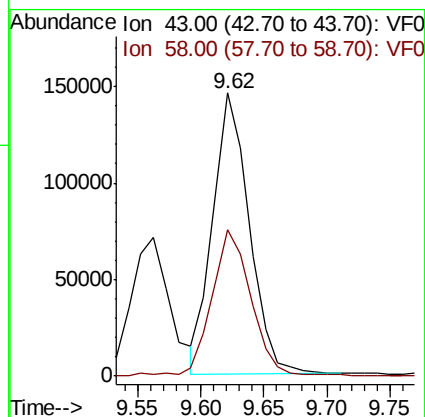
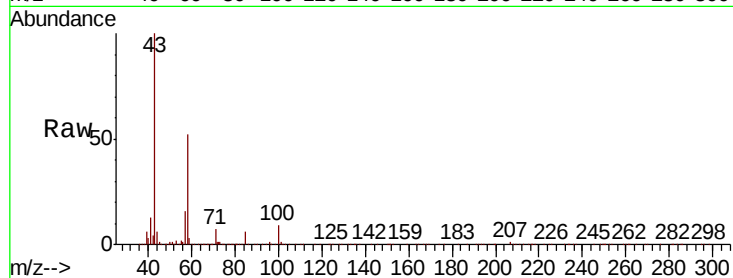




#59
2-Hexanone
Concen: 85.567 ug/l
RT: 9.62 min Scan# 922
Delta R.T. -0.01 min
Lab File: VF062677.D
Acq: 21 May 2019 12:11

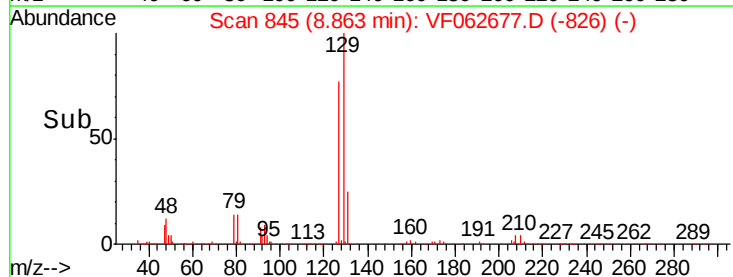
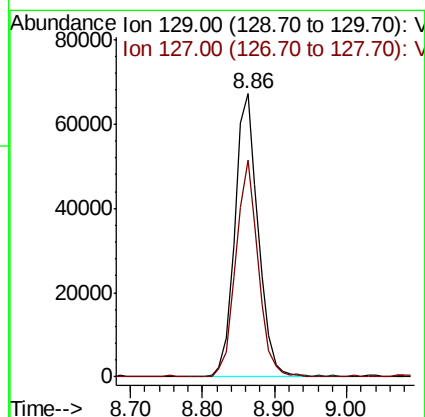
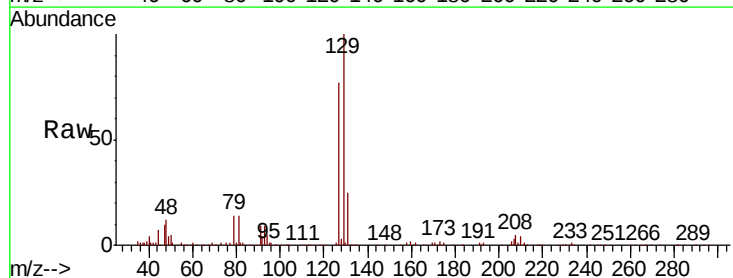
Instrument :
MSVOA_F
ClientSampleId :
VF0521SBS01

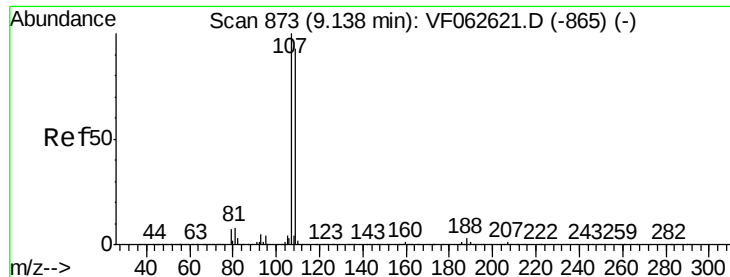
Tot Ion: 43 Resp: 293346
Ion Ratio Lower Upper
43 100
58 51.8 28.1 84.4



#60
Dibromochloromethane
Concen: 21.482 ug/l
RT: 8.86 min Scan# 845
Delta R.T. -0.01 min
Lab File: VF062677.D
Acq: 21 May 2019 12:11

Tgt Ion: 129 Resp: 151808
Ion Ratio Lower Upper
129 100
127 76.7 37.2 111.6





#61

1,2-Dibromoethane

Concen: 21.063 ug/l

RT: 9.13 min Scan# 872

Delta R.T. -0.01 min

Lab File: VF062677.D

Acq: 21 May 2019 12:11

Instrument :

MSVOA_F

ClientSampleId :

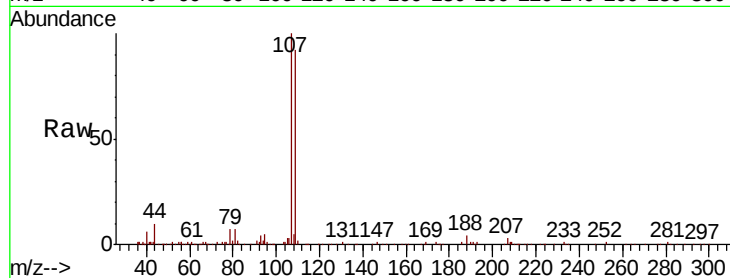
VF0521SBS01

Tot Ion:107 Resp: 121300

Ion Ratio Lower Upper

107 100

109 91.7 74.8 112.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

60000

50000

40000

30000

20000

10000

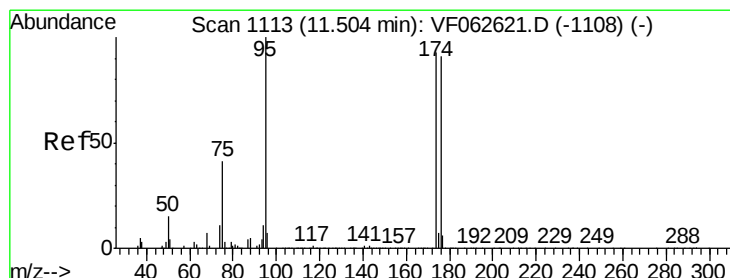
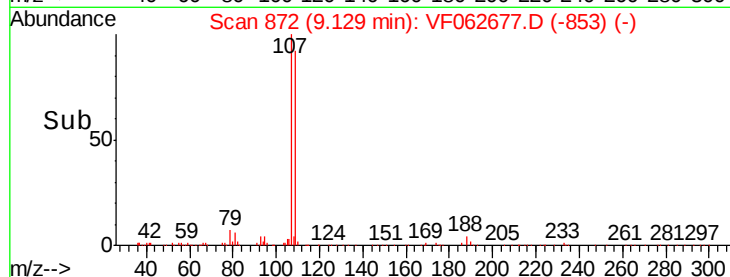
0

9.00

9.10

9.20

Time-->



#62

4-Bromofluorobenzene

Concen: 43.364 ug/l

RT: 11.49 min Scan# 1112

Delta R.T. -0.01 min

Lab File: VF062677.D

Acq: 21 May 2019 12:11

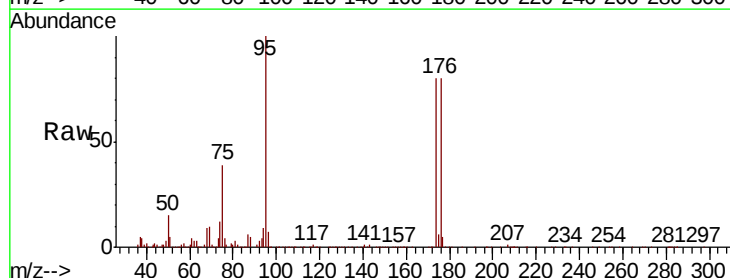
Tgt Ion: 95 Resp: 375851

Ion Ratio Lower Upper

95 100

174 79.6 0.0 185.6

176 80.2 0.0 182.4



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

300000

250000

200000

150000

100000

50000

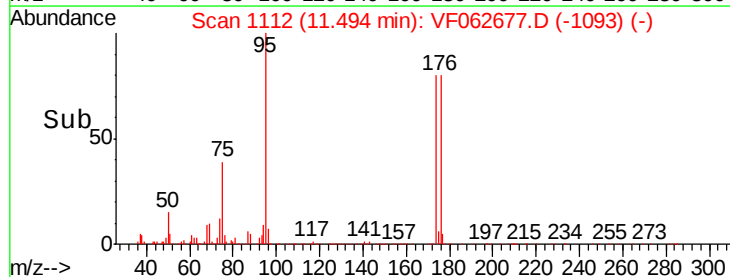
0

11.40

11.50

11.60

Time-->

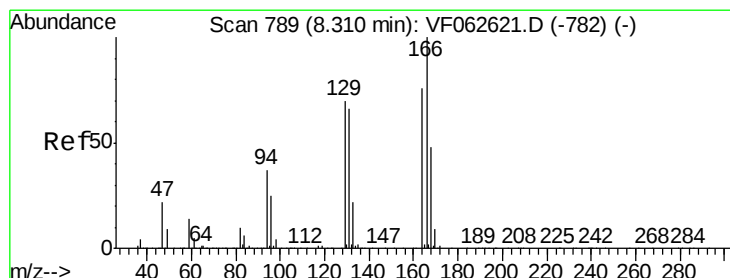
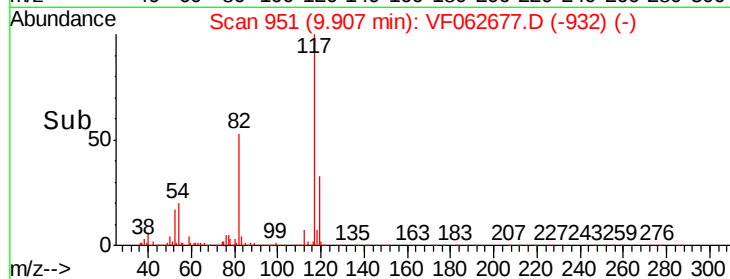
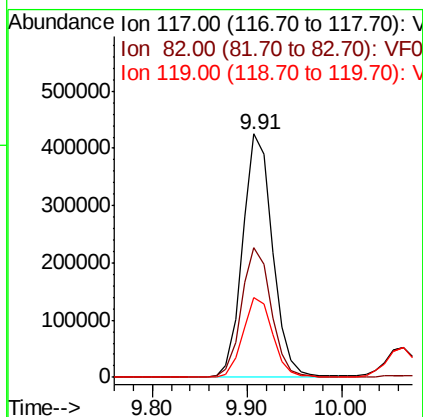
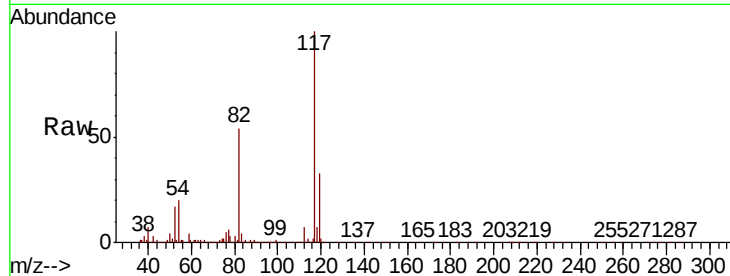




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 951
Delta R.T. -0.01 min
Lab File: VF062677.D
Acq: 21 May 2019 12:11

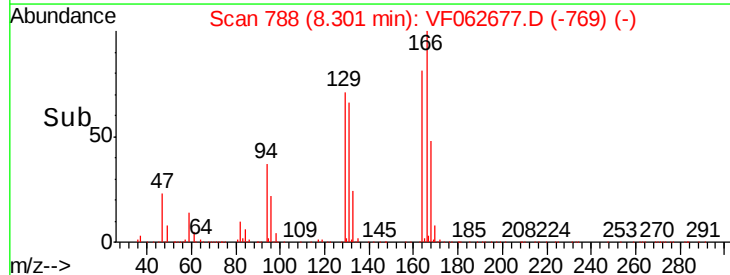
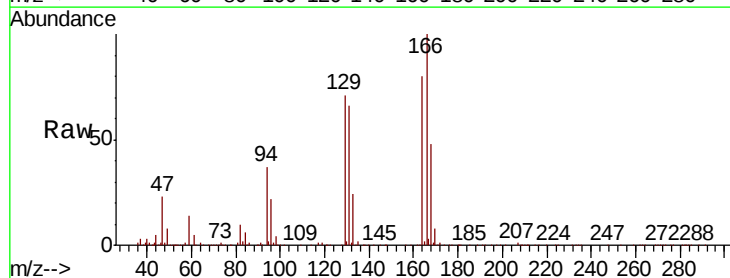
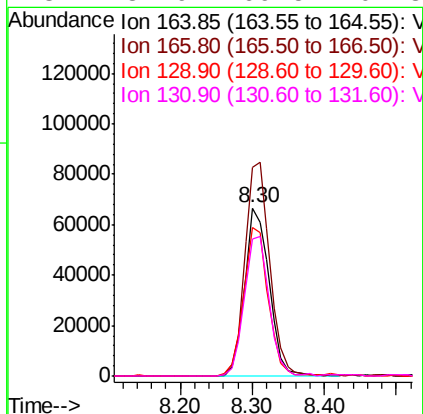
Instrument :
MSVOA_F
ClientSampleId :
VF0521SBS01

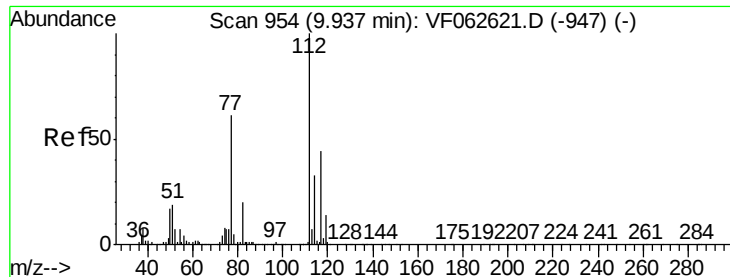
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.5	43.3	64.9
119	32.9	27.4	41.0



#64
Tetrachloroethene
Concen: 21.487 ug/l
RT: 8.30 min Scan# 788
Delta R.T. -0.01 min
Lab File: VF062677.D
Acq: 21 May 2019 12:11

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.4	105.5	158.3
129	88.6	73.8	110.6
131	81.9	69.5	104.3

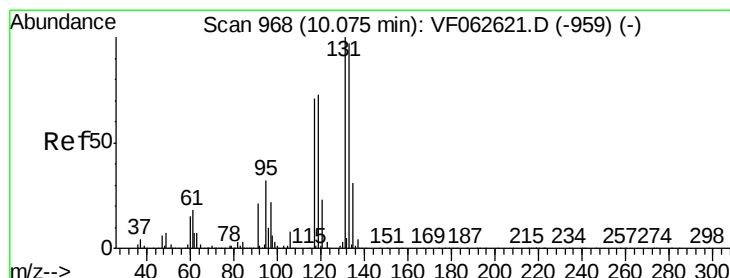
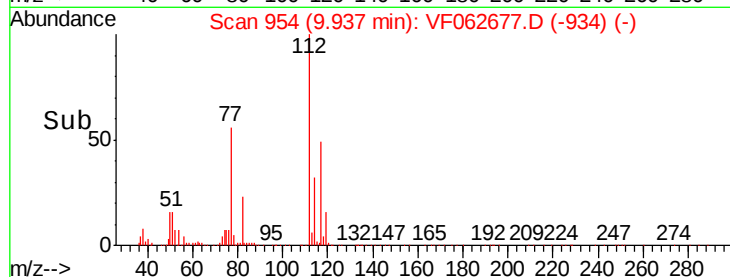
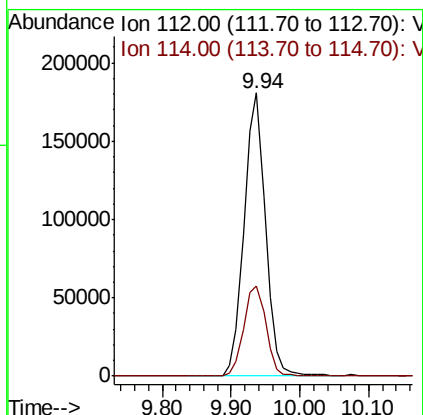
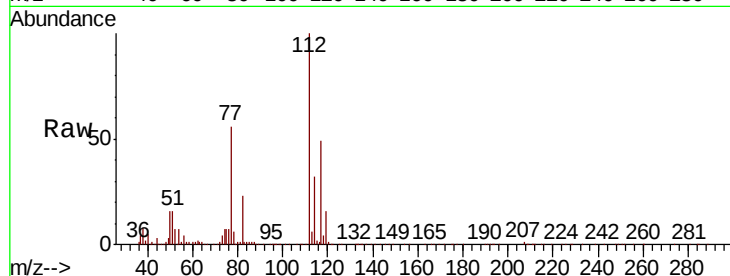




#65
Chlorobenzene
Concen: 21.287 ug/l
RT: 9.94 min Scan# 954
Delta R.T. 0.00 min
Lab File: VF062677.D
Acq: 21 May 2019 12:11

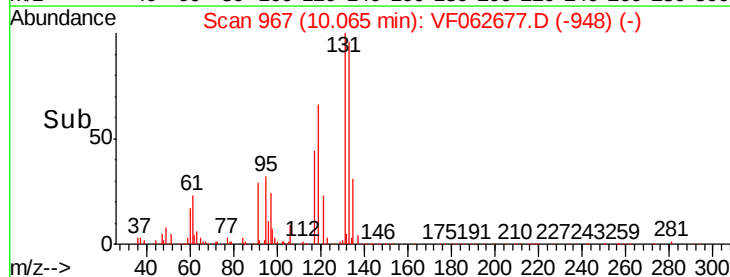
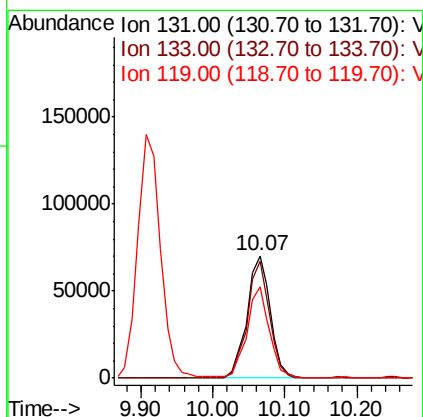
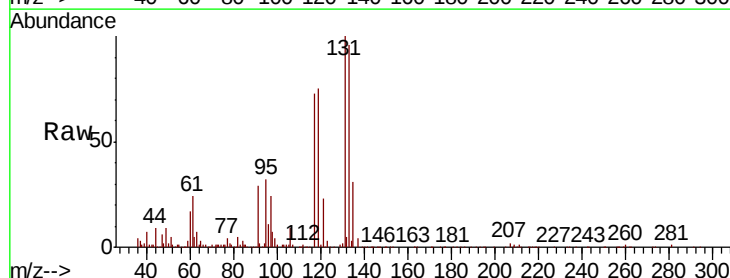
Instrument :
MSVOA_F
ClientSampleId :
VF0521SBS01

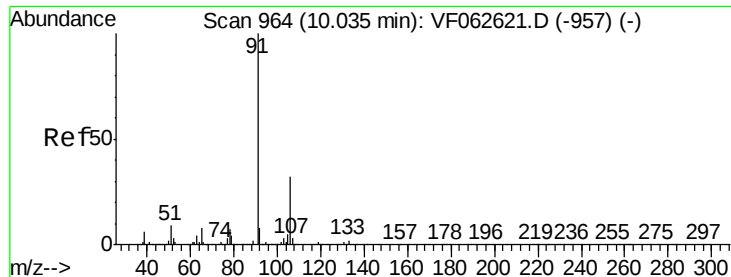
Tot Ion:112 Resp: 390447
Ion Ratio Lower Upper
112 100
114 32.0 26.8 40.2



#66
1,1,1,2-Tetrachloroethane
Concen: 21.665 ug/l
RT: 10.07 min Scan# 967
Delta R.T. -0.01 min
Lab File: VF062677.D
Acq: 21 May 2019 12:11

Tgt Ion:131 Resp: 159531
Ion Ratio Lower Upper
131 100
133 95.7 48.5 145.5
119 74.9 36.8 110.4

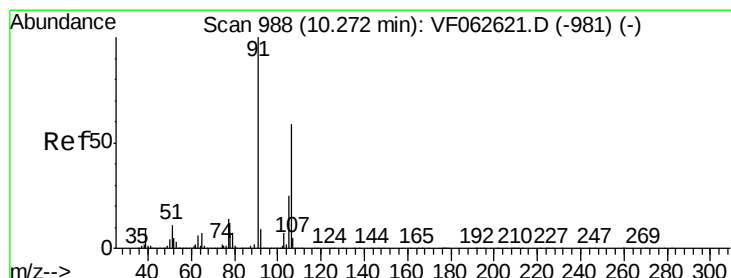
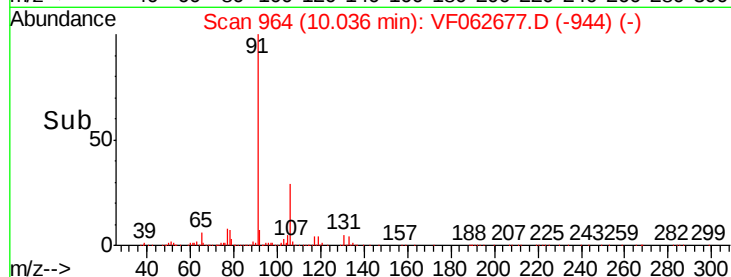
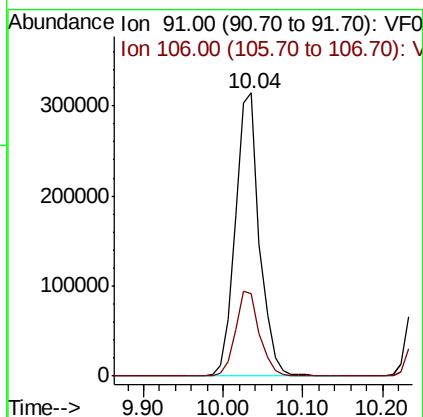
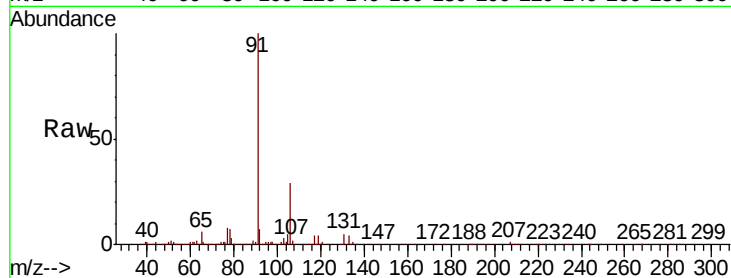




#67
Ethyl Benzene
Concen: 20.830 ug/l
RT: 10.04 min Scan# 964
Delta R.T. 0.00 min
Lab File: VF062677.D
Acq: 21 May 2019 12:11

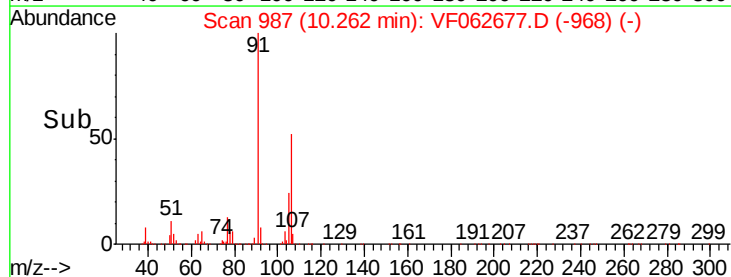
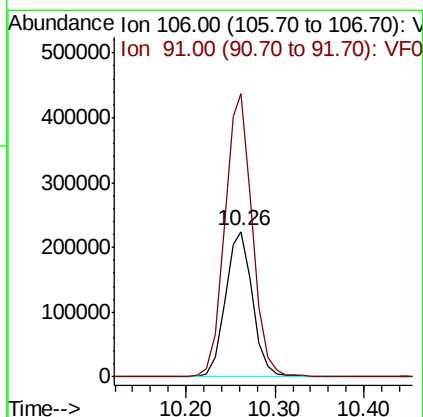
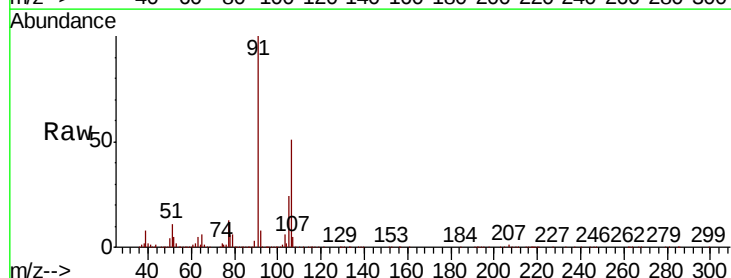
Instrument :
MSVOA_F
ClientSampleId :
VF0521SBS01

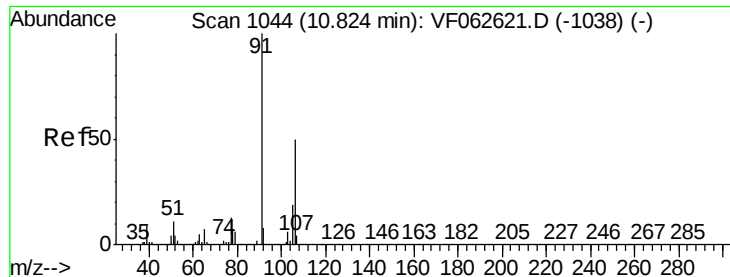
Tot Ion: 91 Resp: 663747
Ion Ratio Lower Upper
91 100
106 29.3 25.8 38.8



#68
m/p-Xylenes
Concen: 40.055 ug/l
RT: 10.26 min Scan# 987
Delta R.T. -0.01 min
Lab File: VF062677.D
Acq: 21 May 2019 12:11

Tgt Ion: 106 Resp: 479702
Ion Ratio Lower Upper
106 100
91 194.6 136.9 205.3

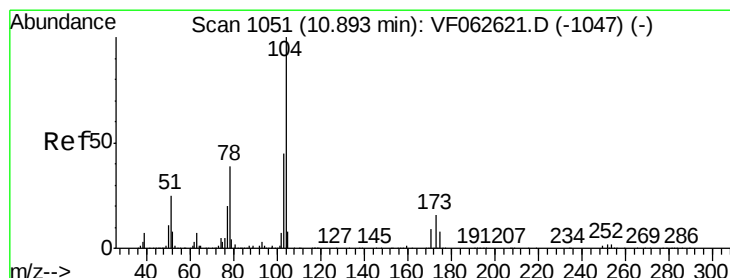
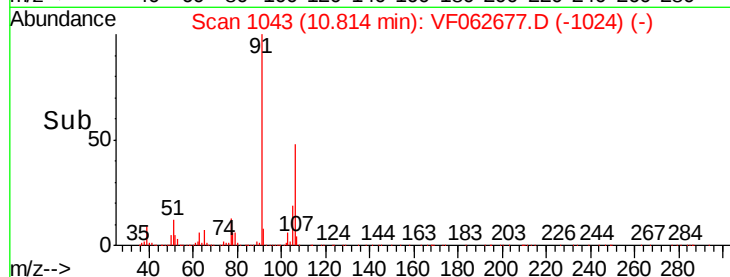
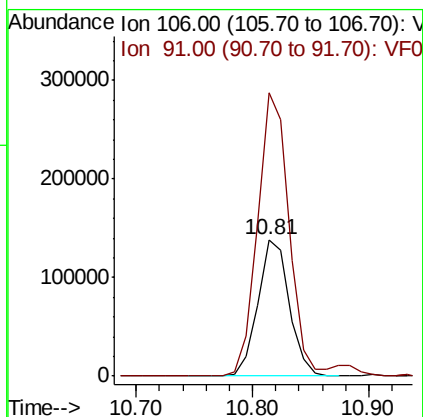
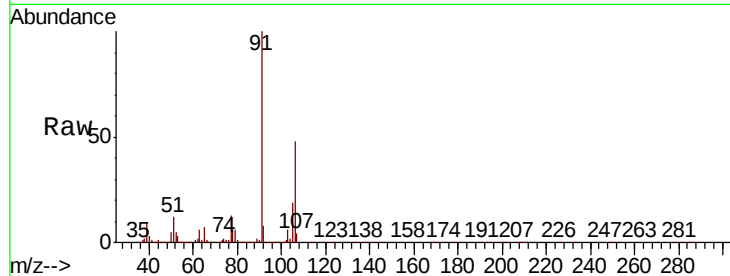




#69
o-Xylene
Concen: 20.999 ug/l
RT: 10.81 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VF062677.D
Acq: 21 May 2019 12:11

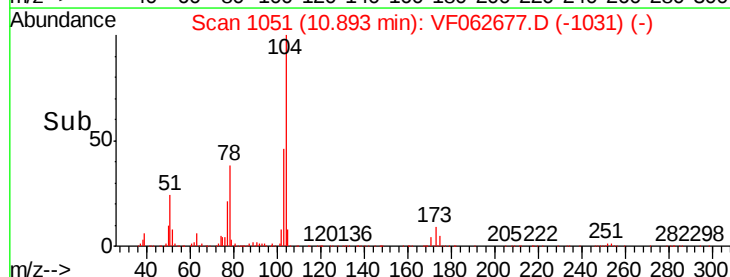
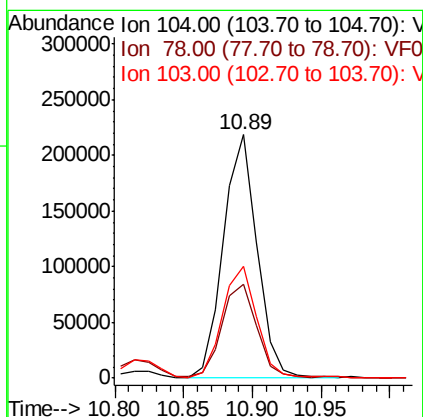
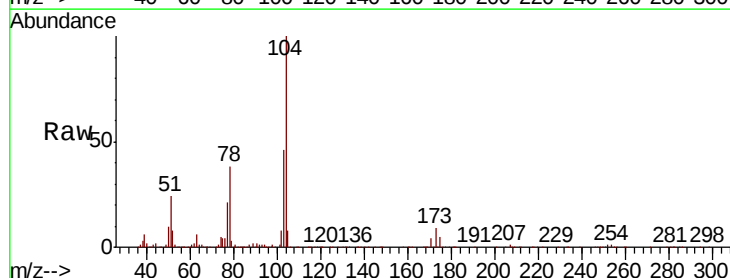
Instrument :
MSVOA_F
ClientSampleId :
VF0521SBS01

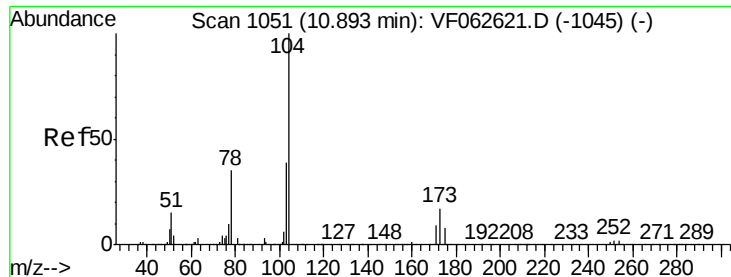
Tot Ion:106 Resp: 259025
Ion Ratio Lower Upper
106 100
91 207.6 100.2 300.5



#70
Styrene
Concen: 19.749 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VF062677.D
Acq: 21 May 2019 12:11

Tgt Ion:104 Resp: 370276
Ion Ratio Lower Upper
104 100
78 38.4 31.9 47.9
103 46.1 36.1 54.1





#71

Bromoform

Concen: 20.332 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VF062677.D

Acq: 21 May 2019 12:11

Instrument :

MSVOA_F

ClientSampleId :

VF0521SBS01

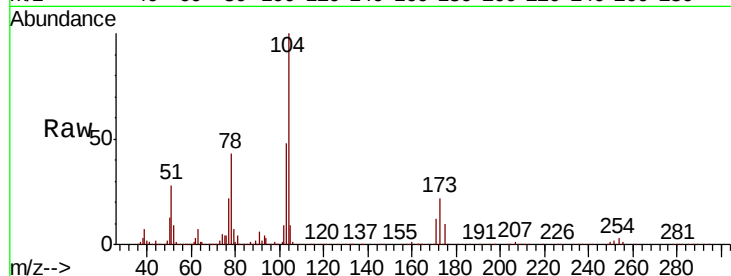
Tot Ion:173 Resp: 74980

Ion Ratio Lower Upper

173 100

175 48.4 25.3 75.9

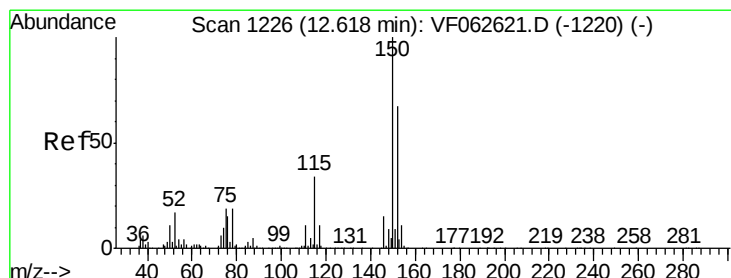
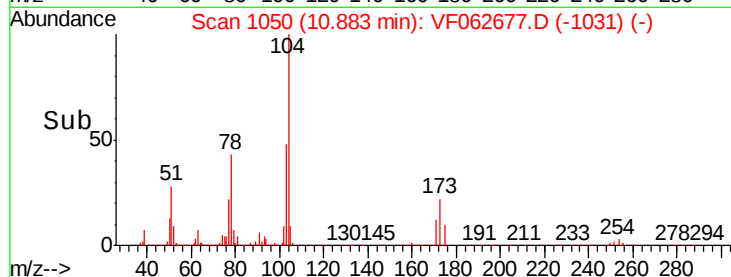
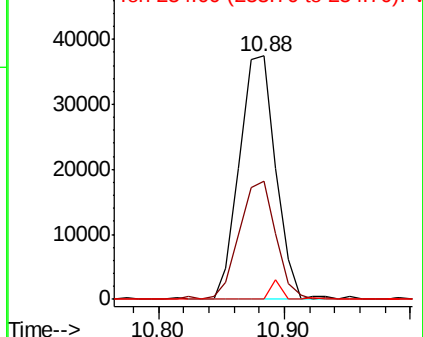
254 0.4 0.2 0.2#



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: 12.61 min Scan# 1225

Delta R.T. -0.01 min

Lab File: VF062677.D

Acq: 21 May 2019 12:11

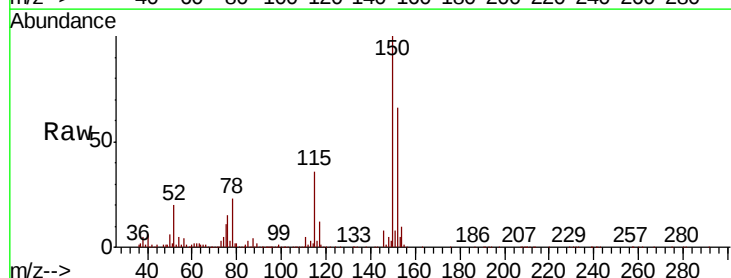
Tgt Ion:152 Resp: 425866

Ion Ratio Lower Upper

152 100

115 54.1 25.2 75.6

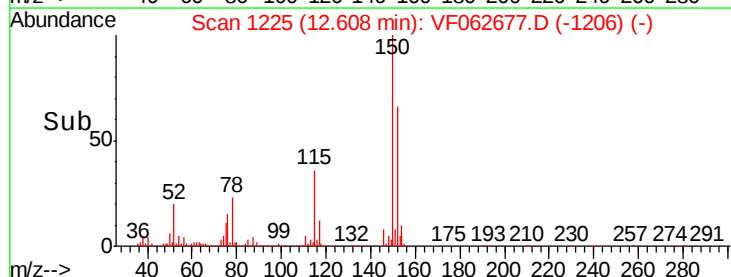
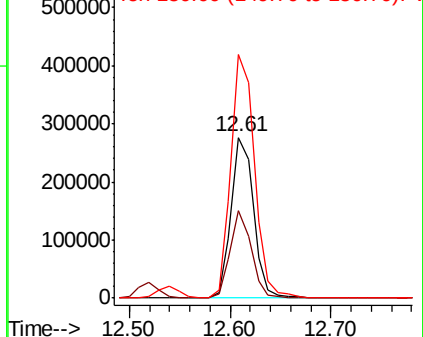
150 151.7 0.0 306.2

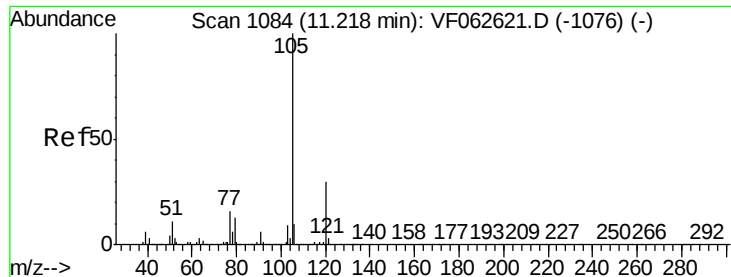


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 23.181 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. 0.00 min

Lab File: VF062677.D

Acq: 21 May 2019 12:11

Instrument :

MSVOA_F

ClientSampleId :

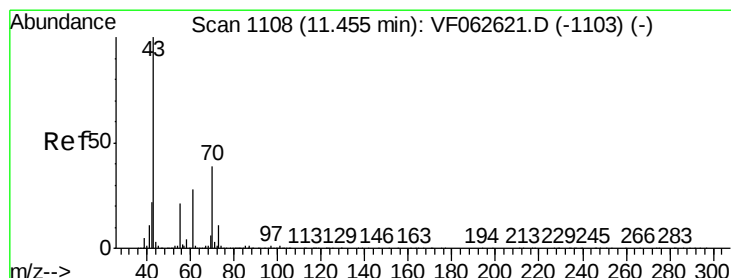
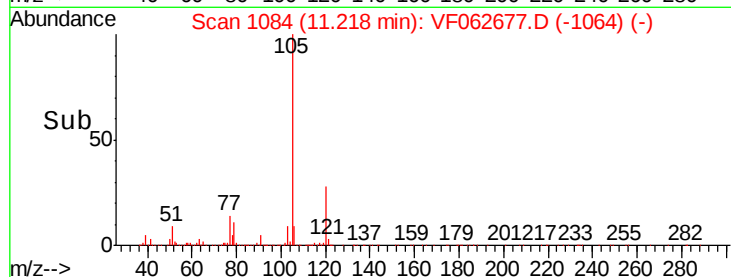
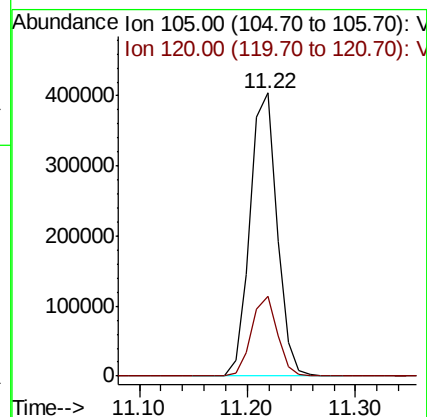
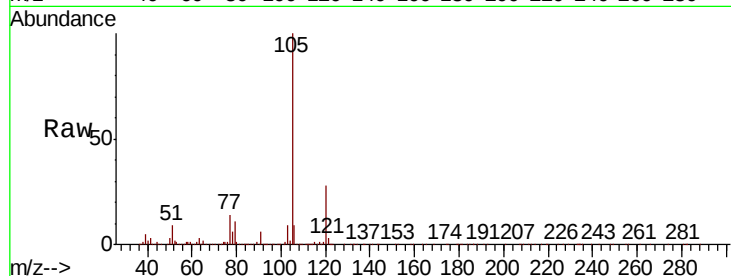
VF0521SBS01

Tot Ion:105 Resp: 707529

Ion Ratio Lower Upper

105 100

120 28.1 14.8 44.4



#74

N-ethyl acetate

Concen: 18.245 ug/l

RT: 11.45 min Scan# 1107

Delta R.T. -0.01 min

Lab File: VF062677.D

Acq: 21 May 2019 12:11

Tgt Ion: 43 Resp: 168307

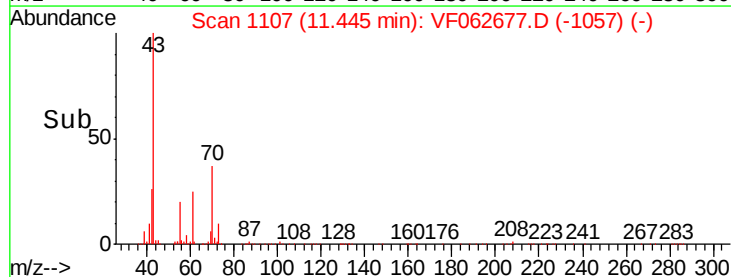
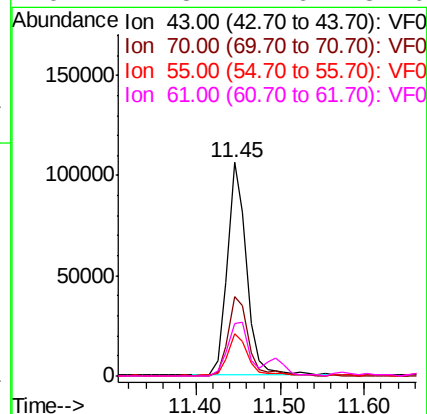
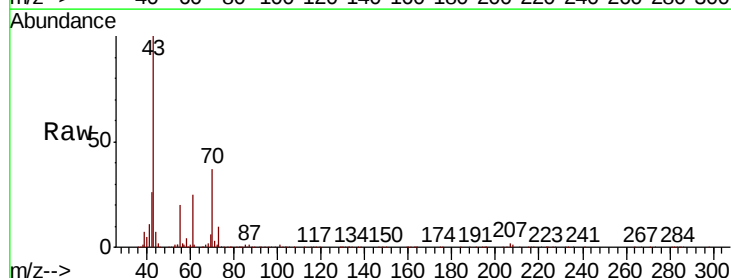
Ion Ratio Lower Upper

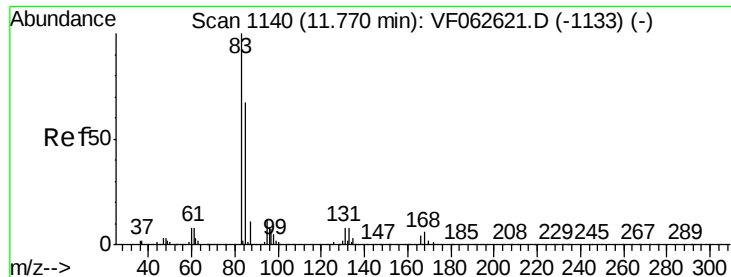
43 100

70 37.3 30.9 46.3

55 20.0 17.0 25.4

61 24.8 22.6 34.0





#75

1,1,2,2-Tetrachloroethane

Concen: 21.300 ug/l

RT: 11.77 min Scan# 1140

Delta R.T. 0.00 min

Lab File: VF062677.D

Acq: 21 May 2019 12:11

Instrument :

MSVOA_F

ClientSampleId :

VF0521SBS01

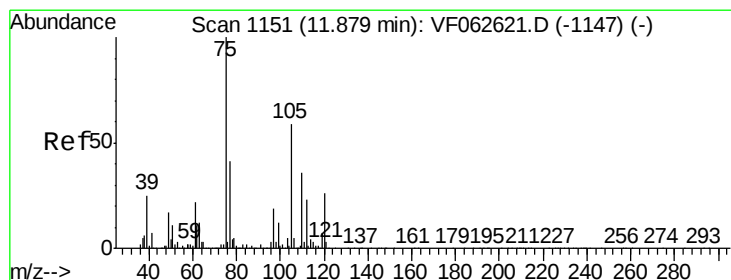
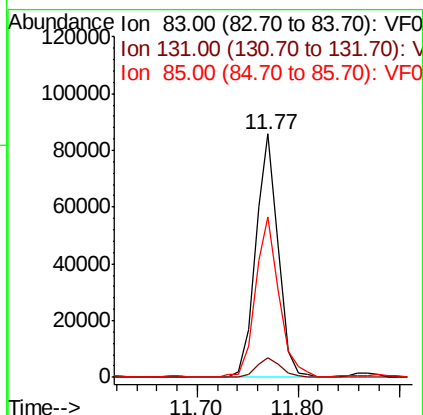
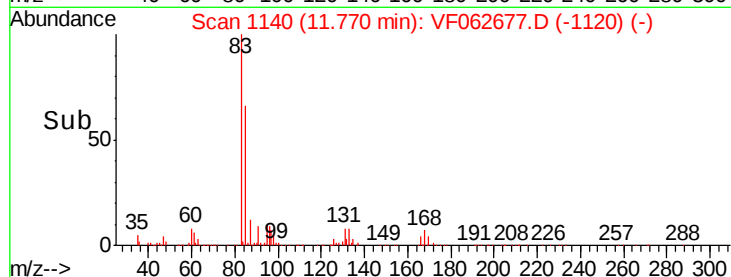
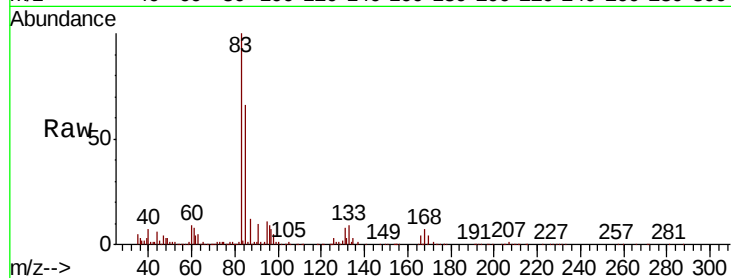
Tot Ion: 83 Resp: 132863

Ion Ratio Lower Upper

83 100

131 8.2 4.0 12.0

85 65.8 33.5 100.5



#76

1,2,3-Trichloropropane

Concen: 20.407 ug/l

RT: 11.87 min Scan# 1150

Delta R.T. -0.01 min

Lab File: VF062677.D

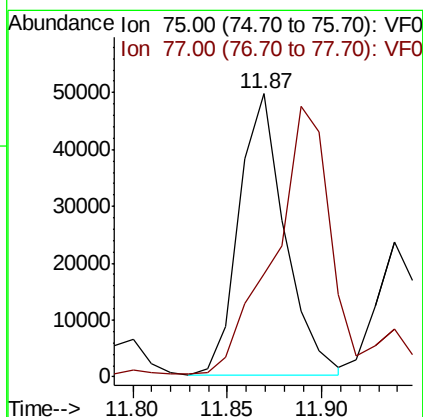
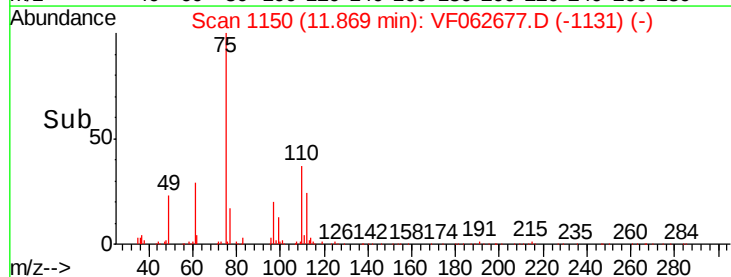
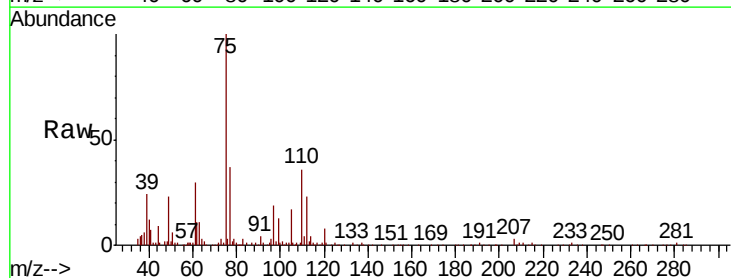
Acq: 21 May 2019 12:11

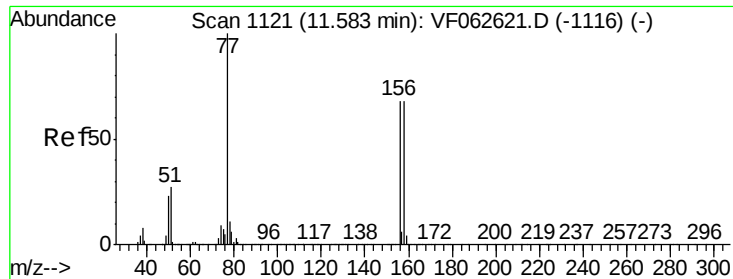
Tgt Ion: 75 Resp: 83641

Ion Ratio Lower Upper

75 100

77 36.5 20.6 61.8





#77

Bromobenzene

Concen: 21.530 ug/l

RT: 11.58 min Scan# 1121

Delta R.T. 0.00 min

Lab File: VF062677.D

Acq: 21 May 2019 12:11

Instrument :

MSVOA_F

ClientSampleId :

VF0521SBS01

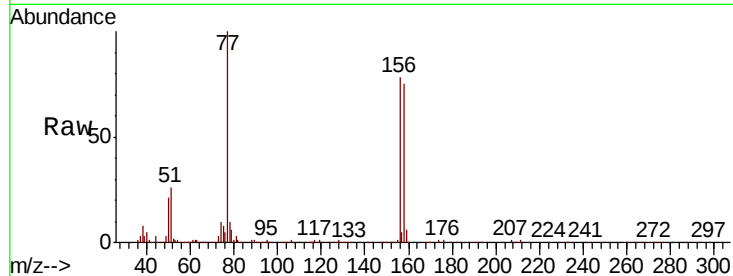
Tot Ion:156 Resp: 163347

Ion Ratio Lower Upper

156 100

77 128.0 73.6 220.8

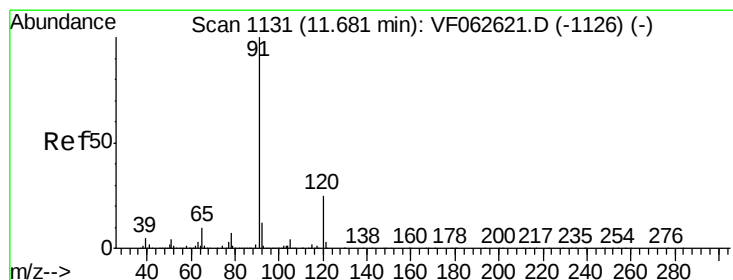
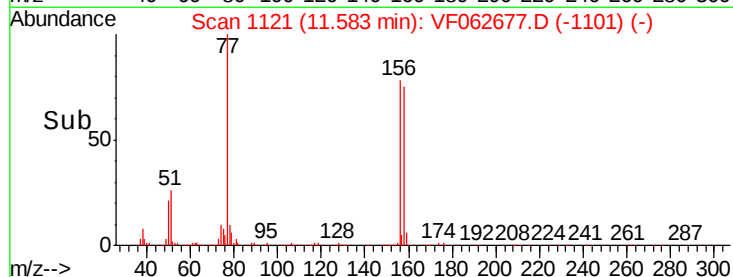
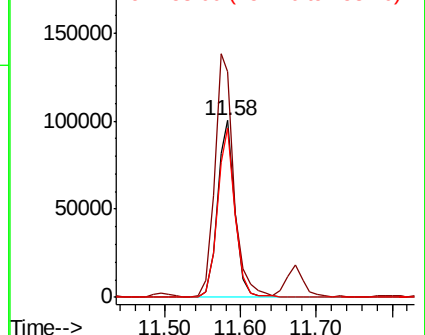
158 95.9 49.6 148.8



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: 20.992 ug/l

RT: 11.67 min Scan# 1130

Delta R.T. -0.01 min

Lab File: VF062677.D

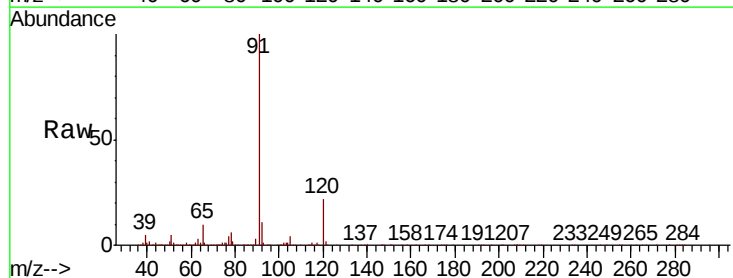
Acq: 21 May 2019 12:11

Tgt Ion: 91 Resp: 758290

Ion Ratio Lower Upper

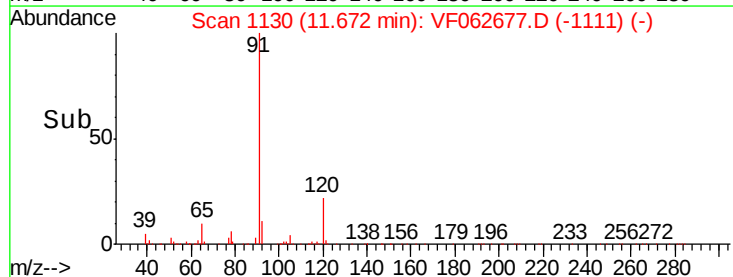
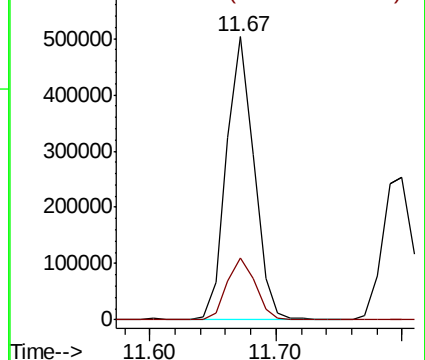
91 100

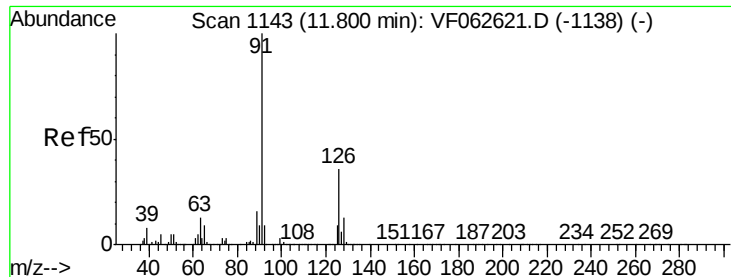
120 22.0 12.7 38.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.018 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VF062677.D

Acq: 21 May 2019 12:11

Instrument :

MSVOA_F

ClientSampleId :

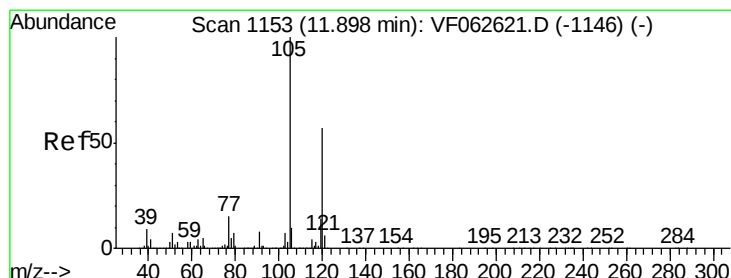
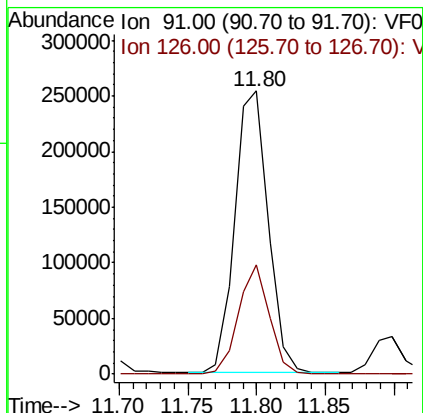
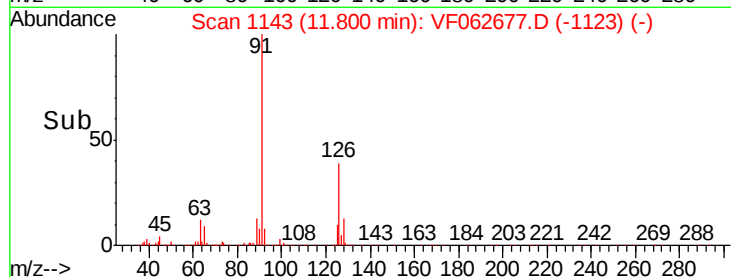
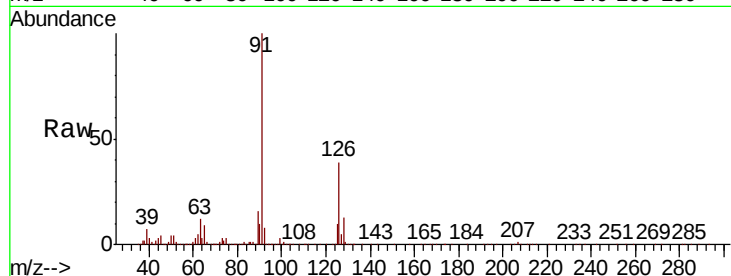
VF0521SBS01

Tot Ion: 91 Resp: 427875

Ion Ratio Lower Upper

91 100

126 38.5 18.1 54.4



#80

1,3,5-Trimethylbenzene

Concen: 22.388 ug/l

RT: 11.90 min Scan# 1153

Delta R.T. 0.00 min

Lab File: VF062677.D

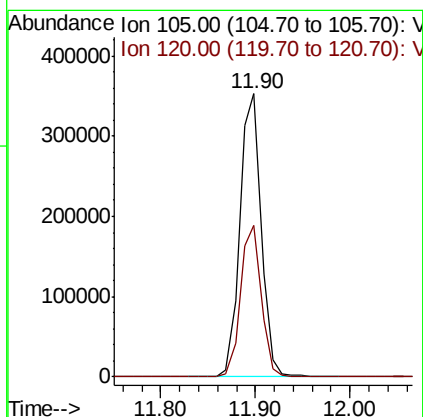
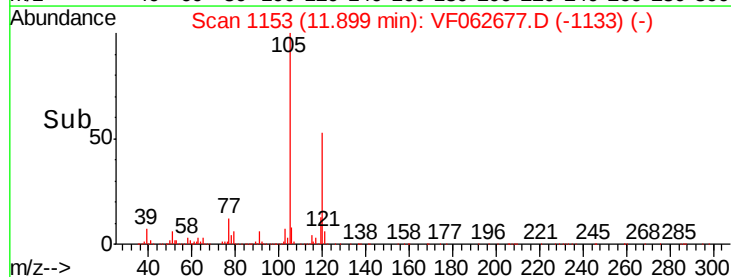
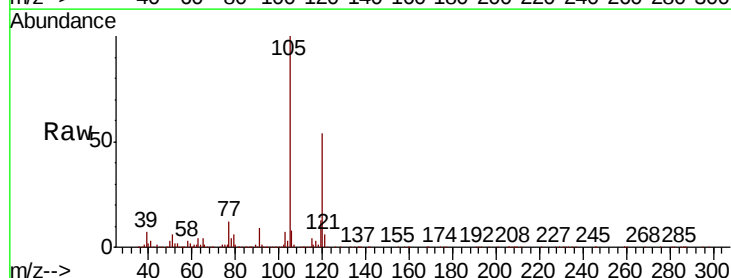
Acq: 21 May 2019 12:11

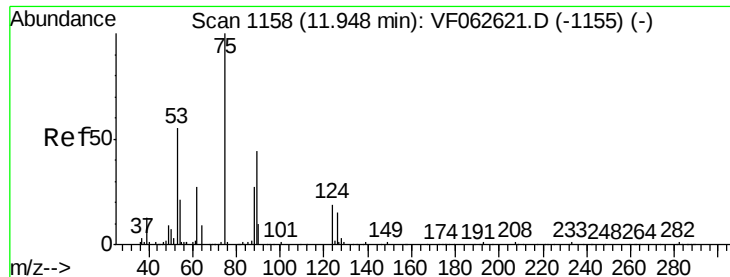
Tgt Ion: 105 Resp: 547939

Ion Ratio Lower Upper

105 100

120 53.6 28.7 86.3





#81

trans-1,4-Dichloro-2-butene

Concen: 27.994 ug/l

RT: 11.94 min Scan# 1157

Delta R.T. -0.01 min

Lab File: VF062677.D

Acq: 21 May 2019 12:11

Instrument :

MSVOA_F

ClientSampleId :

VF0521SBS01

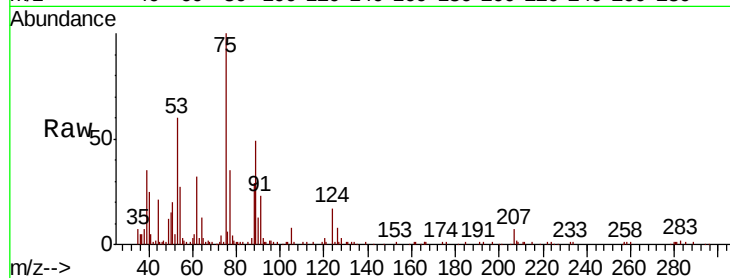
Tot Ion: 75 Resp: 51001

Ion Ratio Lower Upper

75 100

53 59.6 46.9 70.3

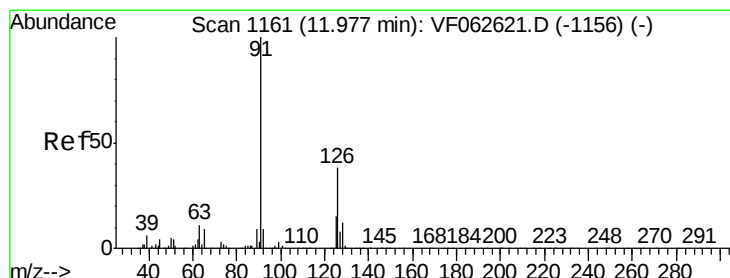
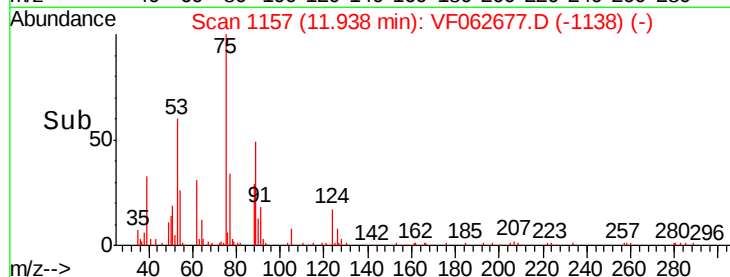
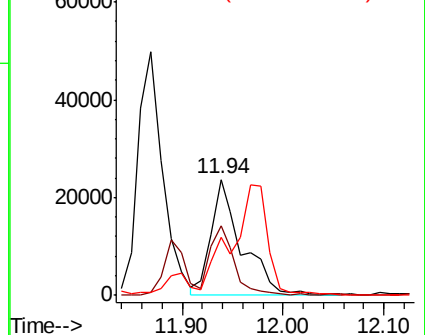
89 49.4 36.4 54.6



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 21.198 ug/l

RT: 11.97 min Scan# 1160

Delta R.T. -0.01 min

Lab File: VF062677.D

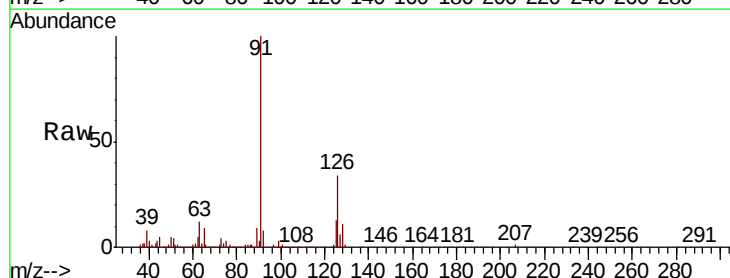
Acq: 21 May 2019 12:11

Tgt Ion: 91 Resp: 425559

Ion Ratio Lower Upper

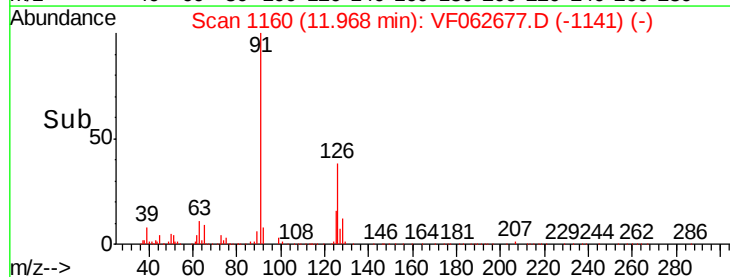
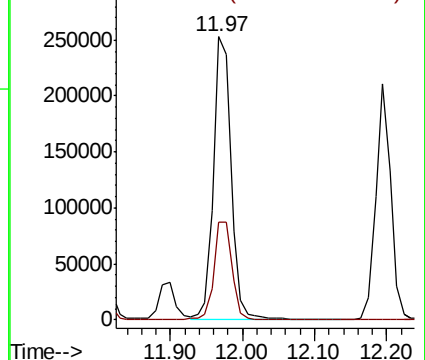
91 100

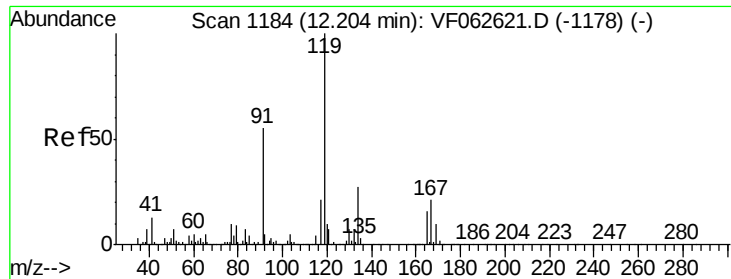
126 34.4 19.1 57.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V





#83

tert-Butylbenzene

Concen: 22.426 ug/l

RT: 12.19 min Scan# 1183

Delta R.T. -0.01 min

Lab File: VF062677.D

Acq: 21 May 2019 12:11

Instrument :

MSVOA_F

ClientSampleId :

VF0521SBS01

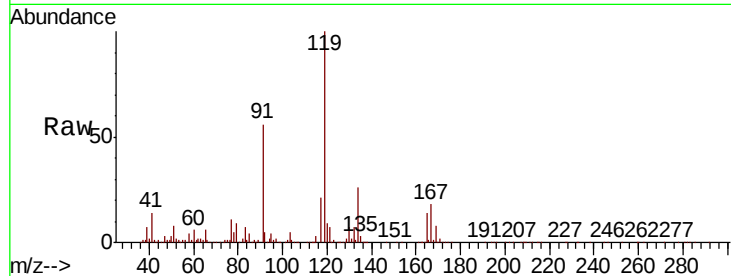
Tot Ion:119 Resp: 556850

Ion Ratio Lower Upper

119 100

91 55.9 27.3 81.9

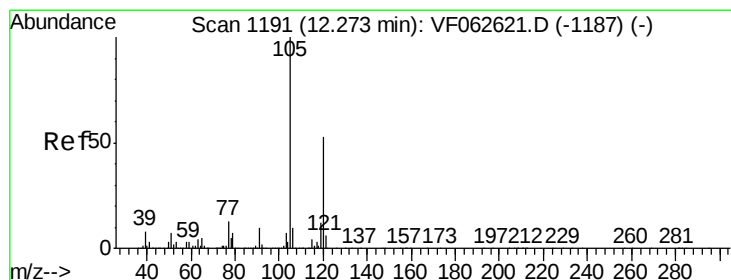
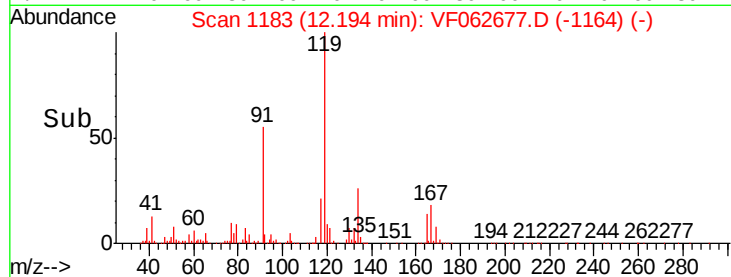
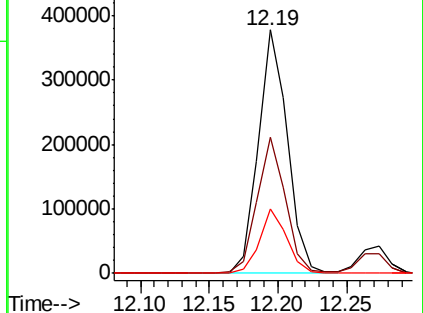
134 26.4 13.6 40.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 21.499 ug/l

RT: 12.27 min Scan# 1191

Delta R.T. 0.00 min

Lab File: VF062677.D

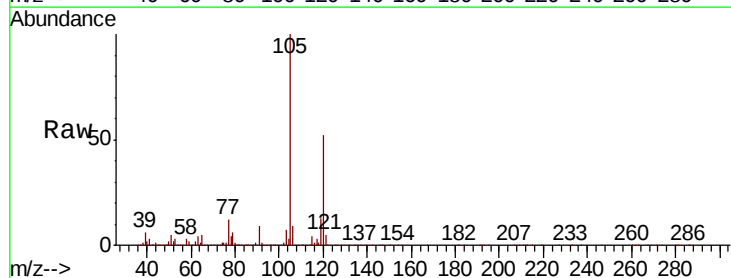
Acq: 21 May 2019 12:11

Tgt Ion:105 Resp: 509277

Ion Ratio Lower Upper

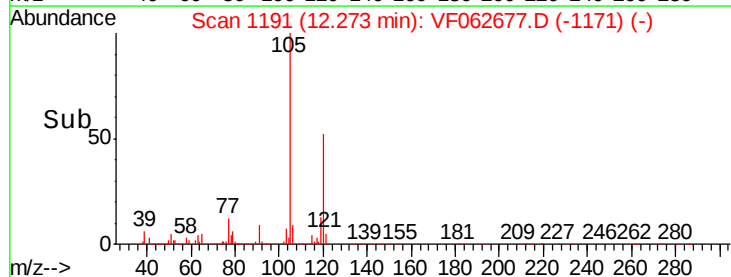
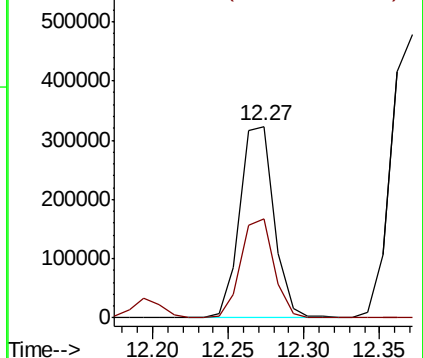
105 100

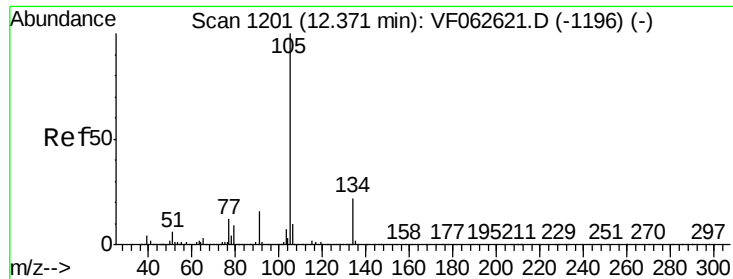
120 51.8 26.7 80.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 21.658 ug/l

RT: 12.37 min Scan# 1201

Delta R.T. 0.00 min

Lab File: VF062677.D

Acq: 21 May 2019 12:11

Instrument :

MSVOA_F

ClientSampleId :

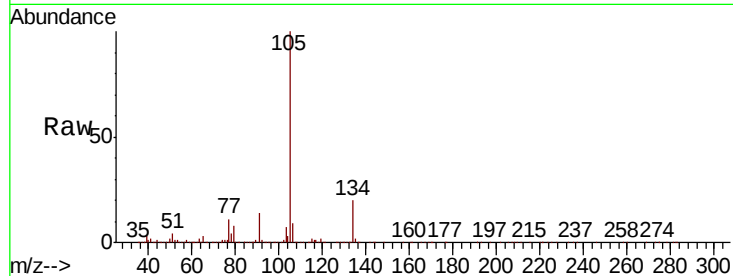
VF0521SBS01

Tot Ion:105 Resp: 721693

Ion Ratio Lower Upper

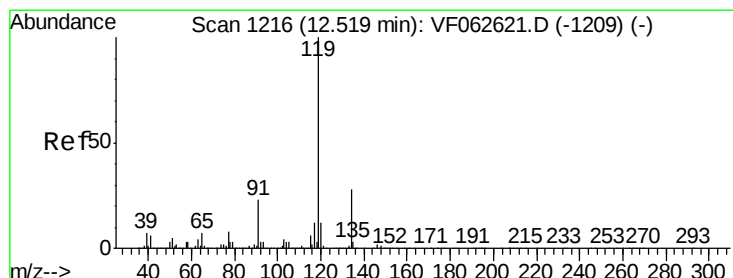
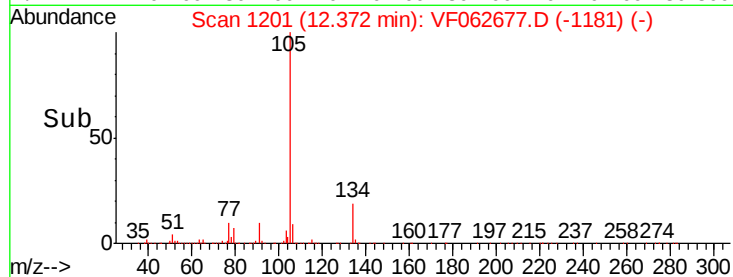
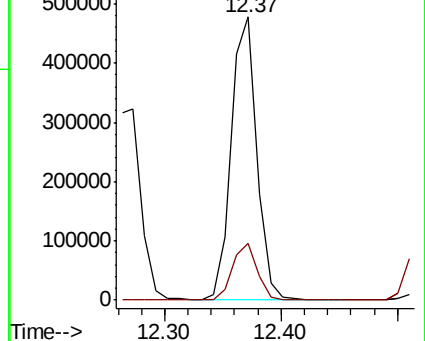
105 100

134 19.9 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: 21.332 ug/l

RT: 12.52 min Scan# 1216

Delta R.T. 0.00 min

Lab File: VF062677.D

Acq: 21 May 2019 12:11

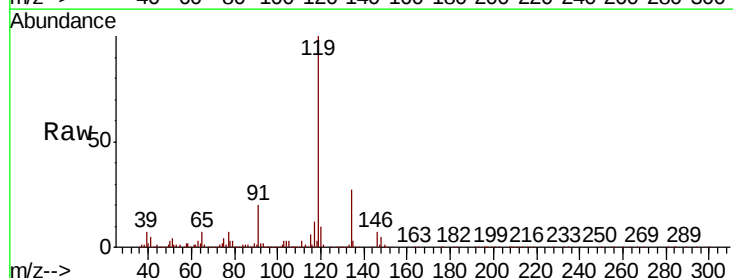
Tgt Ion:119 Resp: 599074

Ion Ratio Lower Upper

119 100

134 26.9 14.1 42.3

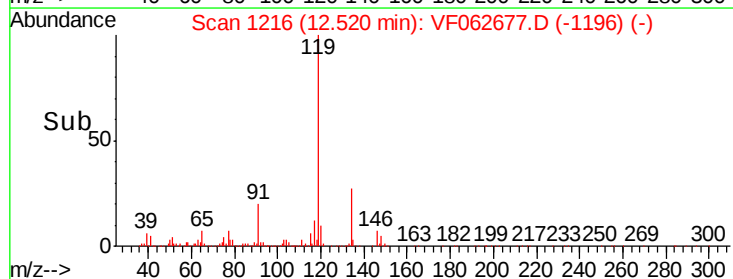
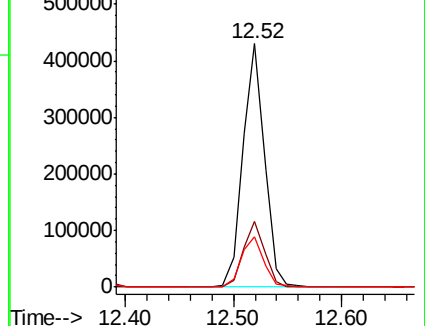
91 20.4 11.4 34.2

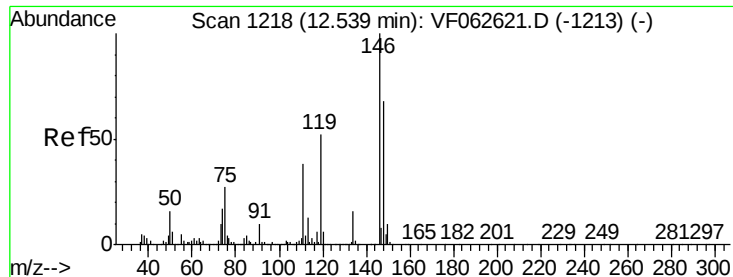


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

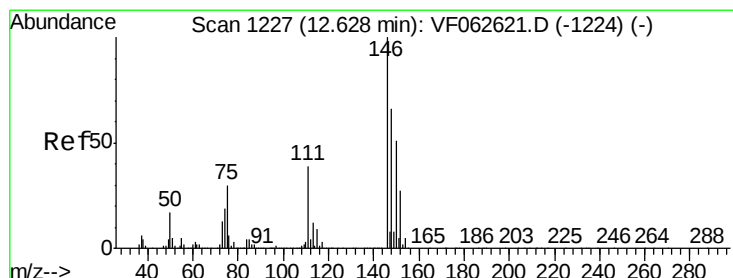
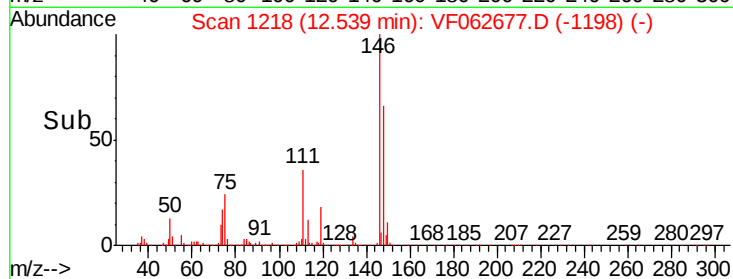
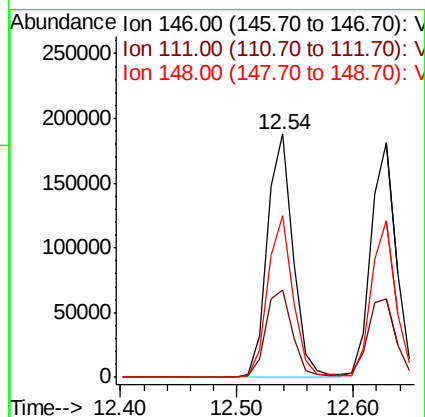
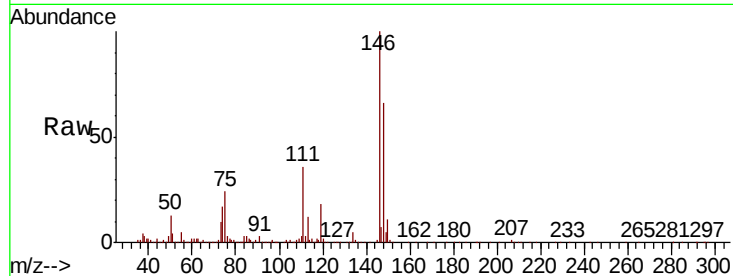




#87
 1,3-Dichlorobenzene
 Concen: 20.923 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VF062677.D
 Acq: 21 May 2019 12:11

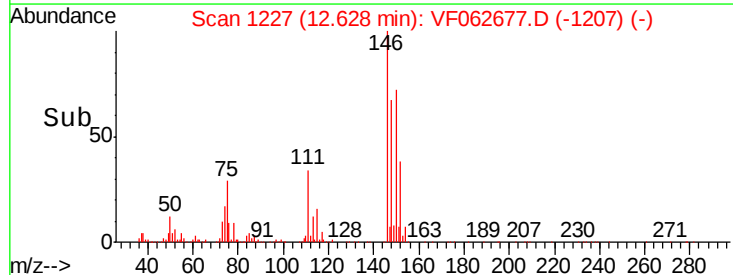
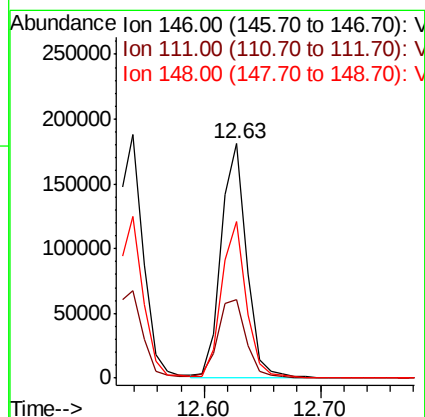
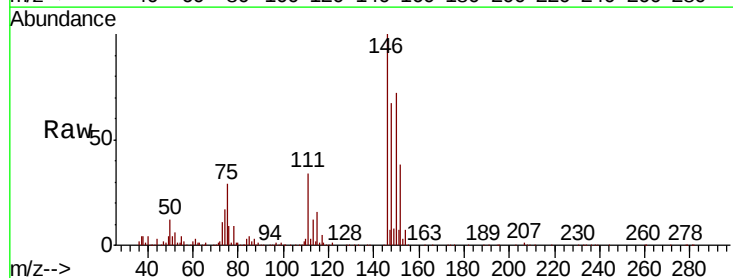
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0521SBS01

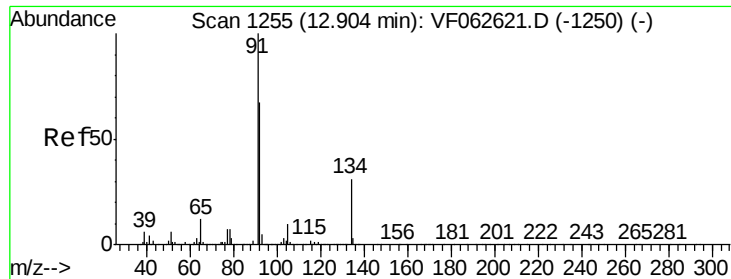
Tot Ion:146 Resp: 287202
 Ion Ratio Lower Upper
 146 100
 111 35.7 18.9 56.9
 148 66.3 34.0 101.8



#88
 1,4-Dichlorobenzene
 Concen: 21.335 ug/l
 RT: 12.63 min Scan# 1227
 Delta R.T. 0.00 min
 Lab File: VF062677.D
 Acq: 21 May 2019 12:11

Tgt Ion:146 Resp: 274813
 Ion Ratio Lower Upper
 146 100
 111 33.6 19.4 58.2
 148 66.7 33.2 99.6

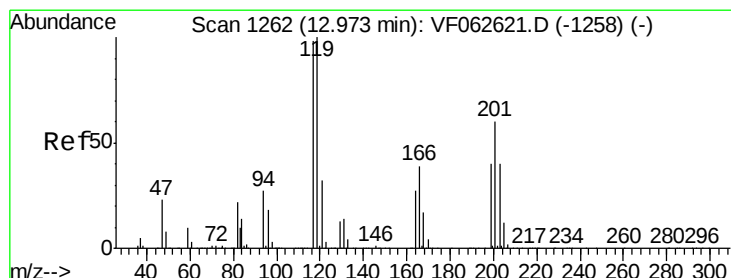
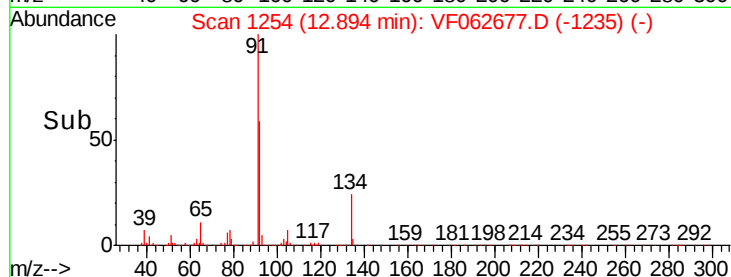
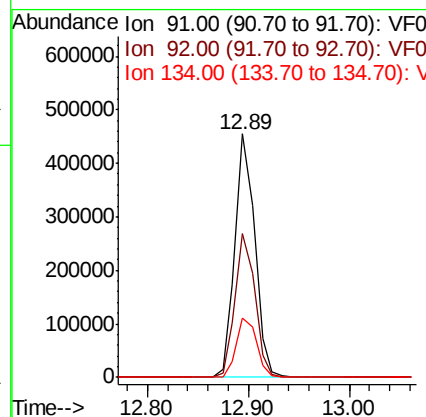
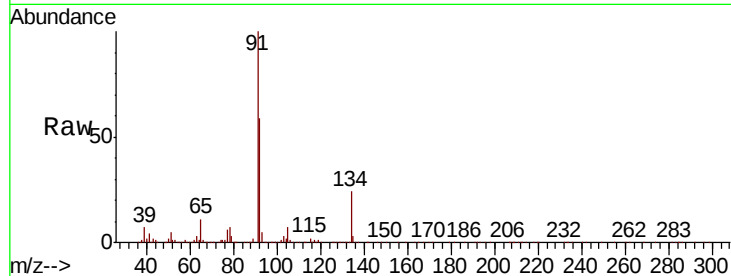




#89
n-Butylbenzene
Concen: 22.534 ug/l
RT: 12.89 min Scan# 1254
Delta R.T. -0.01 min
Lab File: VF062677.D
Acq: 21 May 2019 12:11

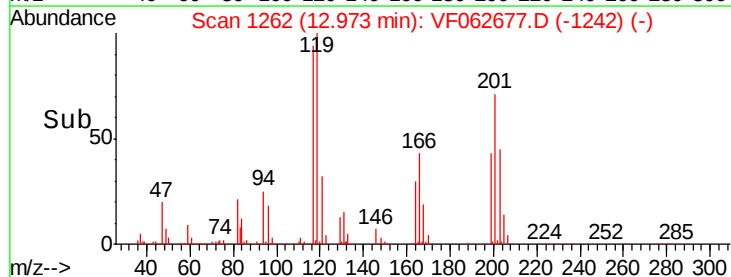
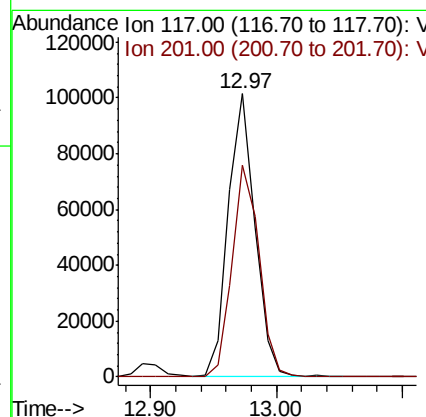
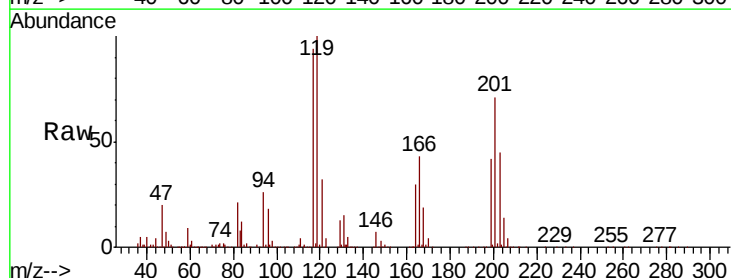
Instrument :
MSVOA_F
ClientSampleId :
VF0521SBS01

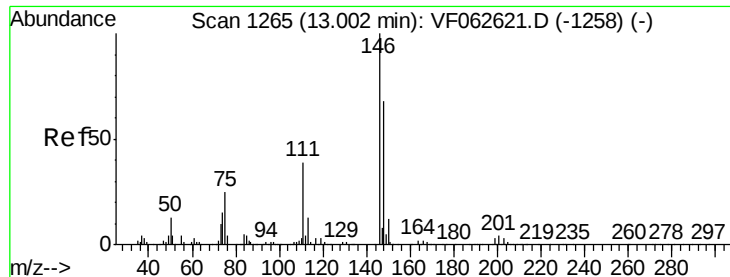
Tot Ion	Ratio	Lower	Upper
91	100		
92	59.0	33.3	99.8
134	24.3	15.4	46.4



#90
Hexachloroethane
Concen: 22.117 ug/l
RT: 12.97 min Scan# 1262
Delta R.T. 0.00 min
Lab File: VF062677.D
Acq: 21 May 2019 12:11

Tgt Ion	Ratio	Lower	Upper
117	100		
201	77.1	30.7	92.1





#91

1,2-Dichlorobenzene

Concen: 22.648 ug/l

RT: 12.99 min Scan# 1264

Delta R.T. -0.01 min

Lab File: VF062677.D

Acq: 21 May 2019 12:11

Instrument :

MSVOA_F

ClientSampleId :

VF0521SBS01

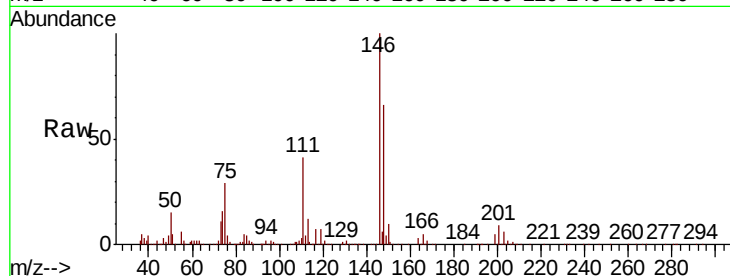
Tot Ion:146 Resp: 277114

Ion Ratio Lower Upper

146 100

111 41.3 19.8 59.3

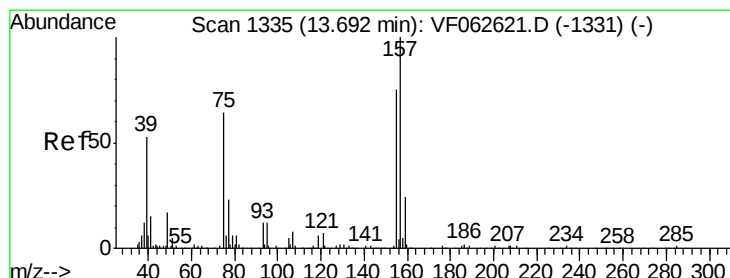
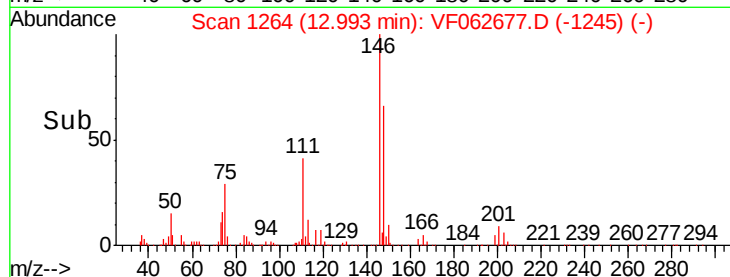
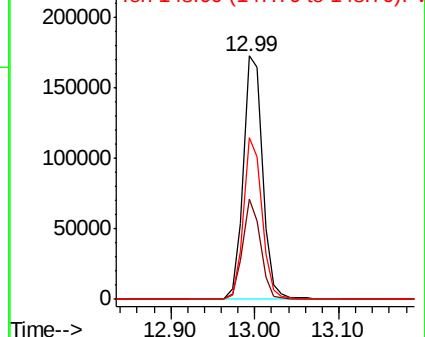
148 66.4 34.1 102.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 23.532 ug/l

RT: 13.69 min Scan# 1335

Delta R.T. 0.00 min

Lab File: VF062677.D

Acq: 21 May 2019 12:11

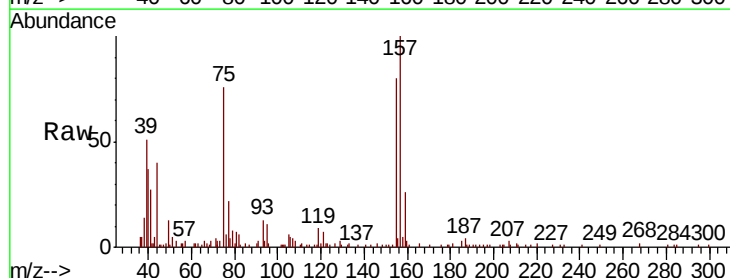
Tgt Ion: 75 Resp: 17511

Ion Ratio Lower Upper

75 100

155 110.0 58.1 174.3

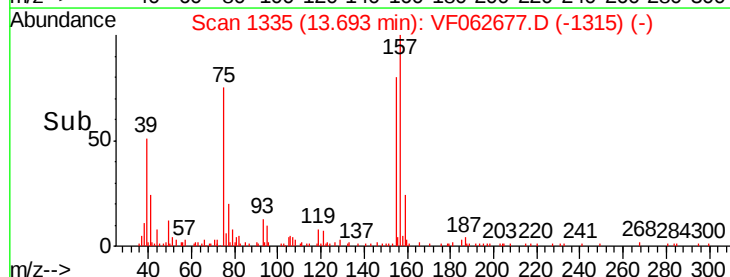
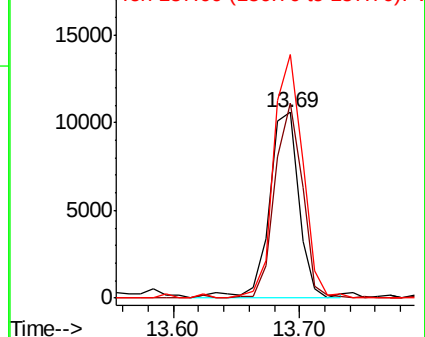
157 131.1 77.8 233.4

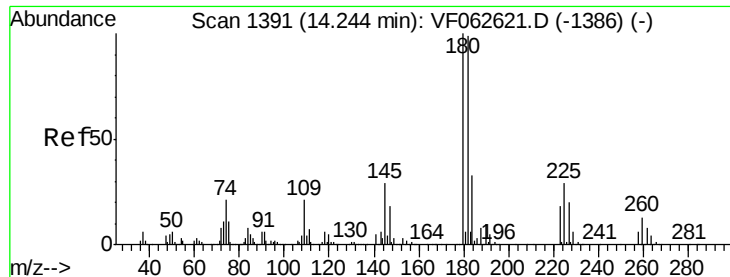


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

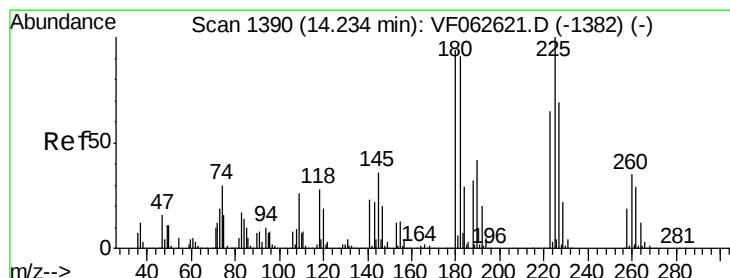
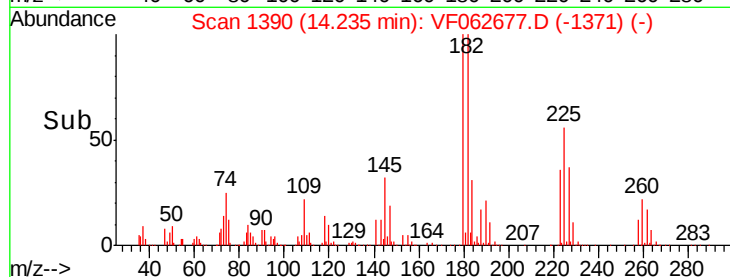
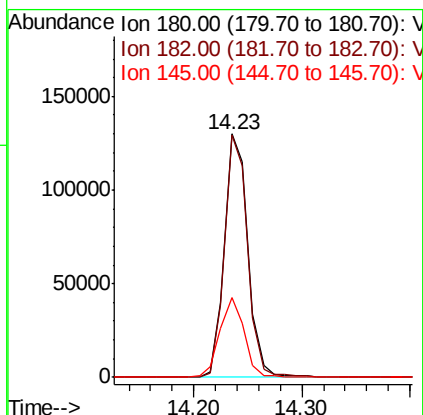
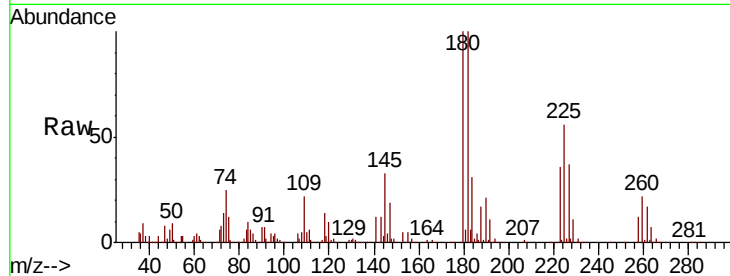




#93
 1,2,4-Trichlorobenzene
 Concen: 22.551 ug/l
 RT: 14.23 min Scan# 1390
 Delta R.T. -0.01 min
 Lab File: VF062677.D
 Acq: 21 May 2019 12:11

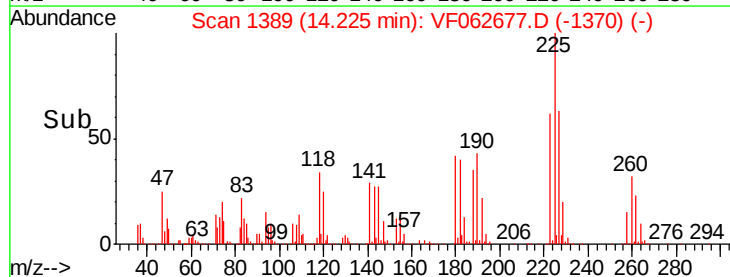
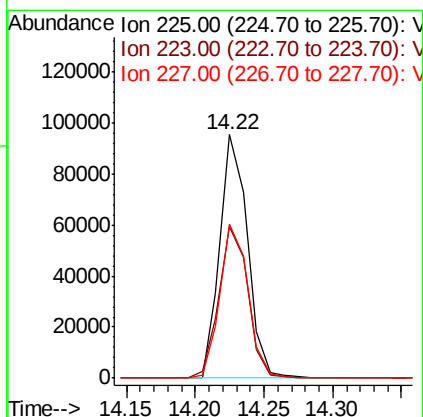
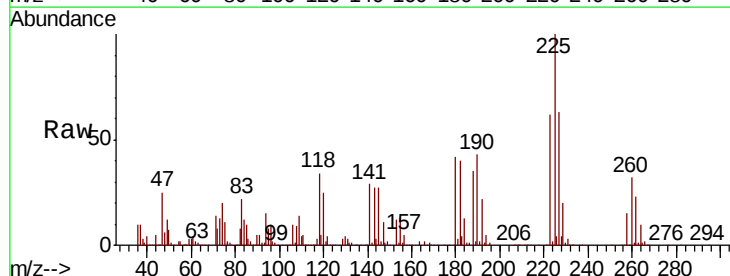
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0521SBS01

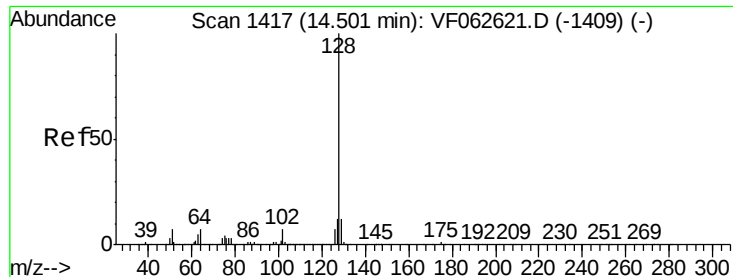
Tot Ion	Ratio	Lower	Upper
180	100		
182	99.6	49.7	149.1
145	32.5	14.6	44.0



#94
 Hexachlorobutadiene
 Concen: 21.706 ug/l
 RT: 14.22 min Scan# 1389
 Delta R.T. -0.01 min
 Lab File: VF062677.D
 Acq: 21 May 2019 12:11

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.3	32.5	97.4
227	63.4	34.5	103.5





#95

Naphthalene

Concen: 19.525 ug/l

RT: 14.49 min Scan# 1416

Delta R.T. -0.01 min

Lab File: VF062677.D

Acq: 21 May 2019 12:11

Instrument :

MSVOA_F

ClientSampleId :

VF0521SBS01

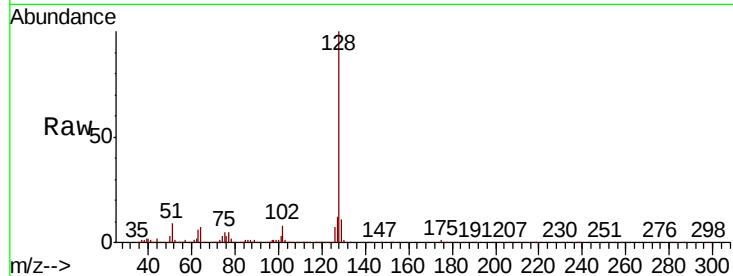
Tot Ion:128 Resp: 310662

Ion Ratio Lower Upper

128 100

127 11.5 9.7 14.5

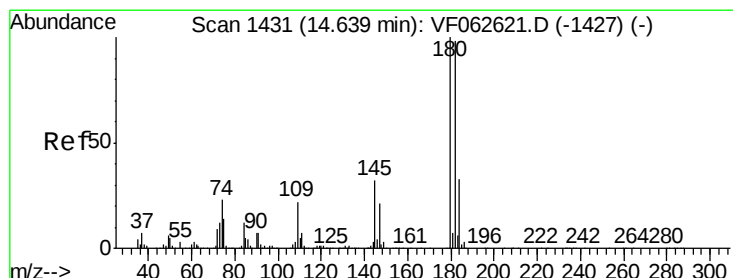
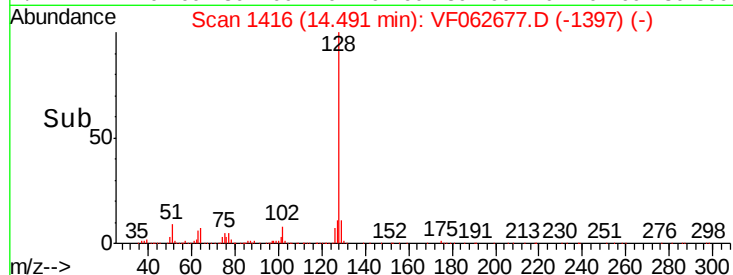
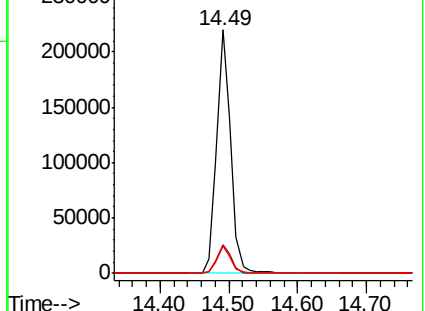
129 11.1 9.3 13.9



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 23.207 ug/l

RT: 14.64 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VF062677.D

Acq: 21 May 2019 12:11

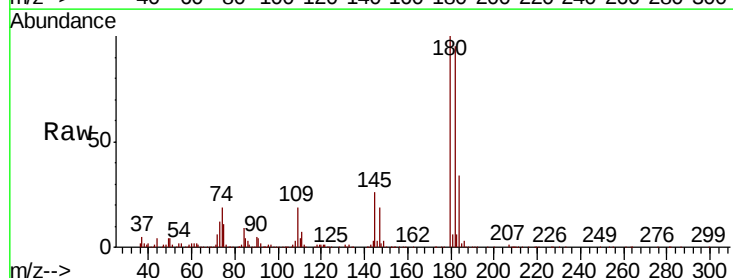
Tgt Ion:180 Resp: 192525

Ion Ratio Lower Upper

180 100

182 95.0 48.9 146.7

145 26.3 16.1 48.2



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

