

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF022119\
 Data File : VF061696.D
 Acq On : 21 Feb 2019 14:15
 Operator : VA/AP
 Sample : VF0221SBSD01
 Misc : 5.00µg/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0221SBSD01

Quant Time: Feb 22 03:27:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 03:27:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	337490	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.60	114	519122	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.78	117	433507	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	246869	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.85	65	126873	51.26	ug/l	0.00
Spiked Amount			Recovery	=	102.52%	
35) Dibromofluoromethane	4.12	113	187589	48.66	ug/l	0.00
Spiked Amount			Recovery	=	97.32%	
50) Toluene-d8	7.56	98	540398	48.76	ug/l	0.00
Spiked Amount			Recovery	=	97.52%	
62) 4-Bromofluorobenzene	11.41	95	209284	46.67	ug/l	0.00
Spiked Amount			Recovery	=	93.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.97	85	97428	25.138	ug/l	99
3) Chloromethane	1.10	50	89488	22.006	ug/l	95
4) Vinyl Chloride	1.14	62	87711	23.202	ug/l	92
5) Bromomethane	1.34	94	56550	21.735	ug/l	93
6) Chloroethane	1.40	64	42475	22.800	ug/l	97
7) Trichlorofluoromethane	1.49	101	73175	16.049	ug/l	98
8) Diethyl Ether	1.63	74	23242	20.227	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	1.84	101	69136	21.019	ug/l #	90
10) Methyl Iodide	1.91	142	110406	17.572	ug/l	97
11) Tert butyl alcohol	2.57	59	15149	105.767	ug/l	94
12) 1,1-Dichloroethene	1.80	96	66860	23.119	ug/l	92
13) Acrolein	2.01	56	18702	103.892	ug/l	98
14) Allyl chloride	2.10	41	73250	20.641	ug/l	98
15) Acrylonitrile	2.95	53	47872	94.229	ug/l	91
16) Acetone	2.25	43	55634	104.773	ug/l	93
17) Carbon Disulfide	1.82	76	145331	15.987	ug/l	99
18) Methyl Acetate	2.36	43	36249	30.303	ug/l	100
19) Methyl tert-butyl Ether	2.44	73	112079	22.677	ug/l	100
20) Methylene Chloride	2.18	84	26073	6.995	ug/l	90
21) trans-1,2-Dichloroethene	2.31	96	59254	18.848	ug/l	88
22) Diisopropyl ether	2.80	45	192300	22.574	ug/l	96
23) Vinyl Acetate	3.19	43	456894	109.812	ug/l	99
24) 1,1-Dichloroethane	2.88	63	109993	21.337	ug/l	99
25) 2-Butanone	4.34	43	129250	111.436	ug/l	93
26) 2,2-Dichloropropane	3.61	77	53049	24.294	ug/l	98
27) cis-1,2-Dichloroethene	3.48	96	86538	20.972	ug/l	94
28) Bromochloromethane	3.73	49	53187	21.503	ug/l	97
29) Tetrahydrofuran	4.08	42	55477	105.236	ug/l	98
30) Chloroform	3.87	83	134268	22.903	ug/l	98
31) Cyclohexane	3.70	56	75830	13.588	ug/l	99
32) 1,1,1-Trichloroethane	4.10	97	76159	19.831	ug/l	96
36) 1,1-Dichloropropene	4.28	75	118543	23.051	ug/l	93
37) Ethyl Acetate	4.11	43	46242	19.360	ug/l #	79
38) Carbon Tetrachloride	3.99	117	76869	21.647	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	130736	21.496	ug/l	97
40) Benzene	4.64	78	298860	22.218	ug/l	99
41) Methacrylonitrile	4.75	41	25718	21.054	ug/l	92
42) 1,2-Dichloroethane	4.95	62	66521	20.674	ug/l	94
43) Isopropyl Acetate	6.96	43	54295	19.204	ug/l #	97
44) Trichloroethene	5.51	130	94044	21.620	ug/l	95
45) 1,2-Dichloropropane	6.24	63	66785	20.541	ug/l	97
46) Dibromomethane	6.09	93	41283	20.622	ug/l	90
47) Bromodichloromethane	6.39	83	91896	20.962	ug/l	96
48) Methyl methacrylate	6.72	41	32687	19.211	ug/l #	91
49) 1,4-Dioxane	6.72	88	6226	389.257	ug/l	88
51) 4-Methyl-2-Pentanone	8.26	43	194216	96.136	ug/l	99
52) Toluene	7.63	92	167740	20.562	ug/l	98
53) t-1,3-Dichloropropene	8.28	75	75913	20.806	ug/l	97
54) cis-1,3-Dichloropropene	7.31	75	107520	22.124	ug/l	98
55) 1,1,2-Trichloroethane	8.50	97	50216	20.951	ug/l	98
56) Ethyl methacrylate	8.63	69	55578	20.827	ug/l	99
57) 1,3-Dichloropropane	8.85	76	81805	20.448	ug/l	90
58) 2-Chloroethyl Vinyl ether	7.30	63	46528	101.054	ug/l	95
59) 2-Hexanone	9.50	43	145461	102.718	ug/l	98
60) Dibromochloromethane	8.72	129	67295	20.172	ug/l	99
61) 1,2-Dibromoethane	8.99	107	50650	19.483	ug/l	93
64) Tetrachloroethene	8.15	164	79050	22.309	ug/l	95
65) Chlorobenzene	9.80	112	195823	22.261	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.94	131	75904	22.020	ug/l	96
67) Ethyl Benzene	9.91	91	324946	22.212	ug/l	99
68) m/p-Xylenes	10.14	106	240562	42.967	ug/l	96
69) o-Xylene	10.72	106	135260	22.641	ug/l	99
70) Styrene	10.80	104	186448	22.061	ug/l	97
71) Bromoform	10.78	173	39361	21.028	ug/l	97
73) Isopropylbenzene	11.12	105	386196	21.972	ug/l	100
74) N-amyl acetate	11.38	43	92527	21.932	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.69	83	61991	19.686	ug/l	100
76) 1,2,3-Trichloropropane	11.79	75	41601	19.432	ug/l	95
77) Bromobenzene	11.50	156	91073	20.974	ug/l	95
78) n-propylbenzene	11.60	91	436361	21.635	ug/l	95
79) 2-Chlorotoluene	11.72	91	241320	21.363	ug/l	98
80) 1,3,5-Trimethylbenzene	11.82	105	307932	21.920	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.87	75	27397	26.693	ug/l	92
82) 4-Chlorotoluene	11.90	91	252262	21.516	ug/l	100
83) tert-Butylbenzene	12.13	119	350122	22.502	ug/l	97
84) 1,2,4-Trimethylbenzene	12.21	105	302853	21.700	ug/l	98
85) sec-Butylbenzene	12.31	105	449464	22.338	ug/l	97
86) p-Isopropyltoluene	12.46	119	366882	21.726	ug/l	99
87) 1,3-Dichlorobenzene	12.47	146	178918	21.136	ug/l	97
88) 1,4-Dichlorobenzene	12.56	146	173650	21.330	ug/l	97
89) n-Butylbenzene	12.85	91	357425	22.415	ug/l	97
90) Hexachloroethane	12.92	117	86233	21.957	ug/l	89
91) 1,2-Dichlorobenzene	12.95	146	167284	20.776	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.65	75	10135	20.300	ug/l	86

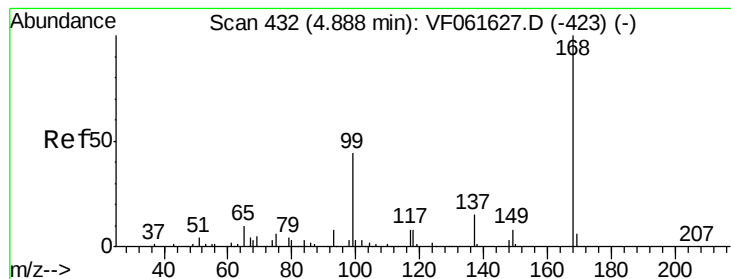
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Quant Title : SW846 8260
QLast Update : Thu Feb 14 03:27:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	123976	21.481	ug/l	98
94) Hexachlorobutadiene	14.19	225	79623	22.339	ug/l	96
95) Naphthalene	14.46	128	206434	20.444	ug/l	99
96) 1,2,3-Trichlorobenzene	14.60	180	113901	21.502	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.02 min

Lab File: VF061696.D

Acq: 21 Feb 2019 14:15

Instrument :

MSVOA_F

ClientSampleId :

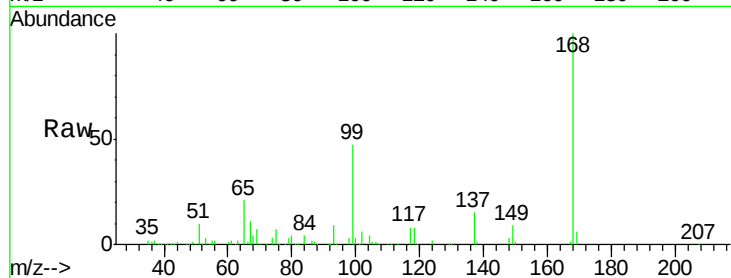
VF0221SBSD01

Tot Ion:168 Resp: 337490

Ion Ratio Lower Upper

168 100

99 46.5 34.9 52.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.87

120000

100000

80000

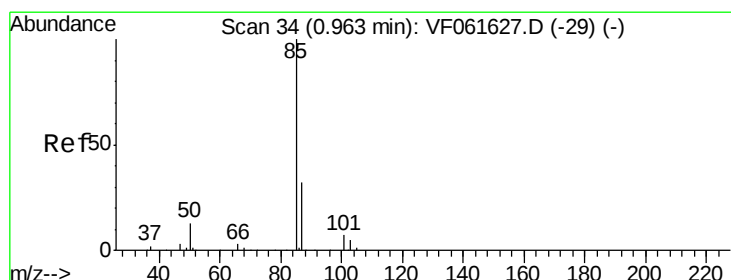
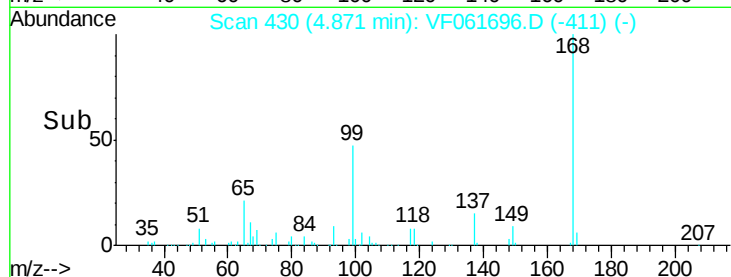
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 25.138 ug/l

RT: 0.97 min Scan# 34

Delta R.T. 0.00 min

Lab File: VF061696.D

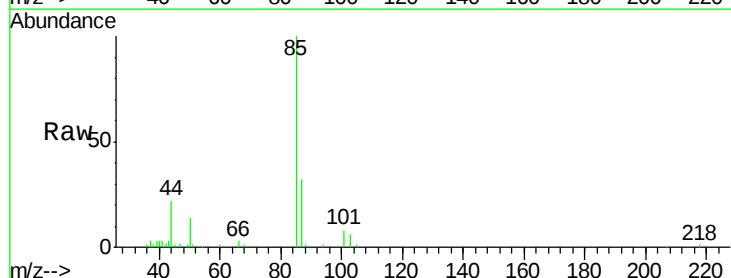
Acq: 21 Feb 2019 14:15

Tgt Ion: 85 Resp: 97428

Ion Ratio Lower Upper

85 100

87 31.6 16.1 48.2



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.97

25000

20000

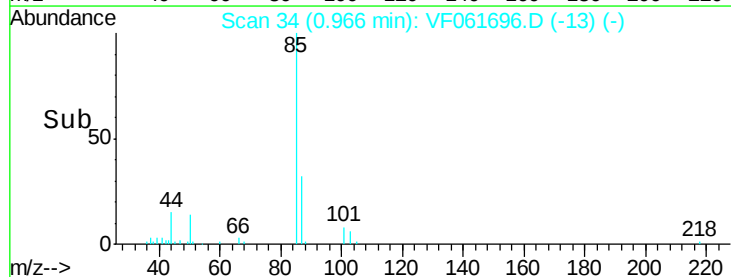
15000

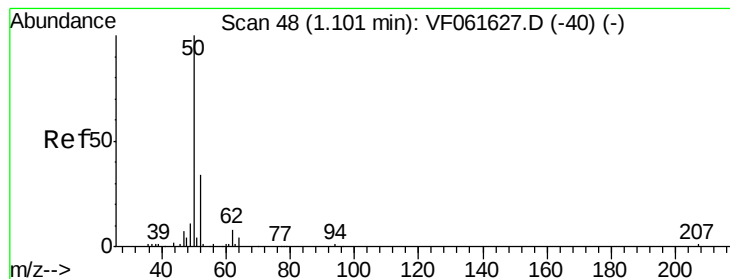
10000

5000

0

Time-->





#3

Chloromethane

Concen: 22.006 ug/l

RT: 1.10 min Scan# 48

Delta R.T. 0.00 min

Lab File: VF061696.D

Acq: 21 Feb 2019 14:15

Instrument :

MSVOA_F

ClientSampleId :

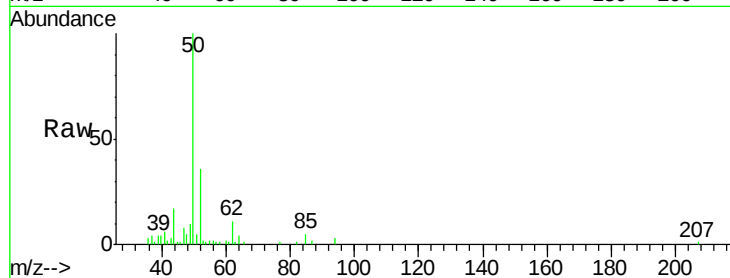
VF0221SBS01

Tot Ion: 50 Resp: 89488

Ion Ratio Lower Upper

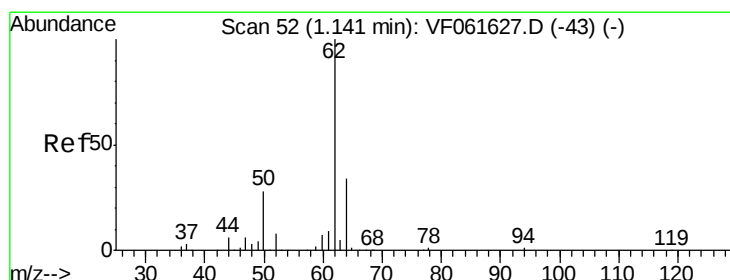
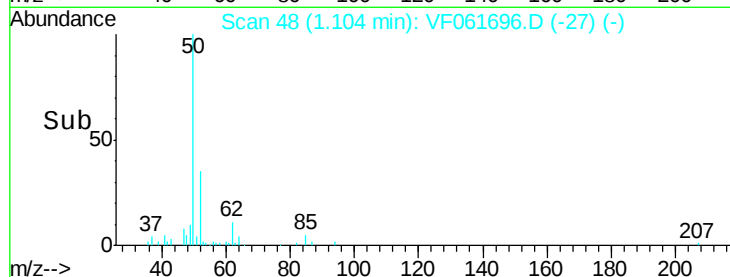
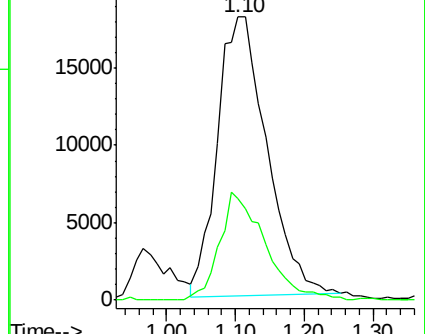
50 100

52 35.9 26.2 39.4



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 23.202 ug/l

RT: 1.14 min Scan# 52

Delta R.T. 0.00 min

Lab File: VF061696.D

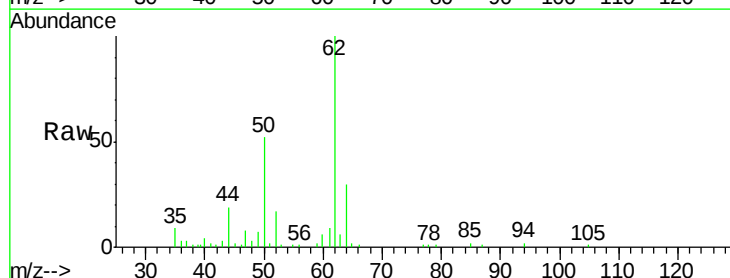
Acq: 21 Feb 2019 14:15

Tgt Ion: 62 Resp: 87711

Ion Ratio Lower Upper

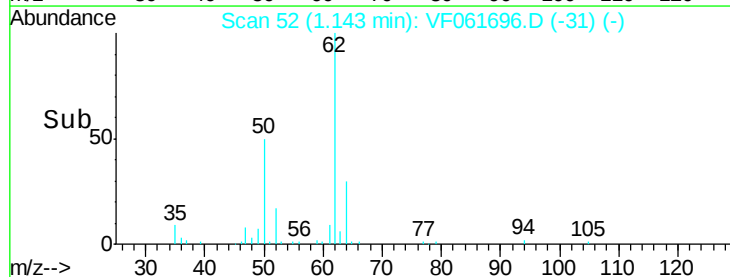
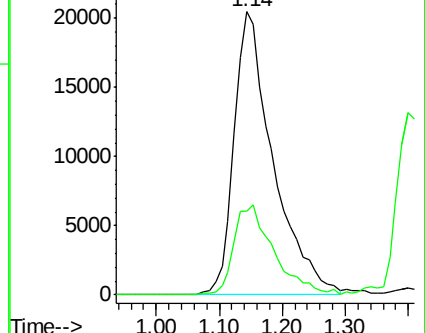
62 100

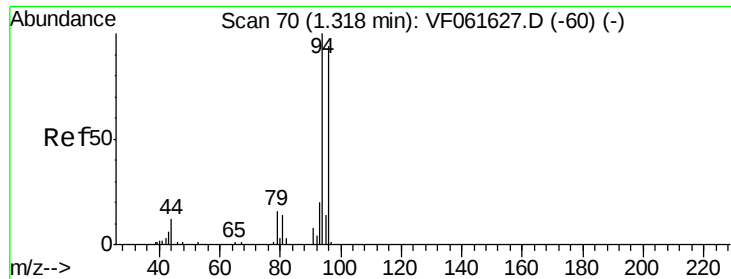
64 29.5 27.5 41.3



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 21.735 ug/l

RT: 1.34 min Scan# 72

Delta R.T. 0.02 min

Lab File: VF061696.D

Acq: 21 Feb 2019 14:15

Instrument :

MSVOA_F

ClientSampleId :

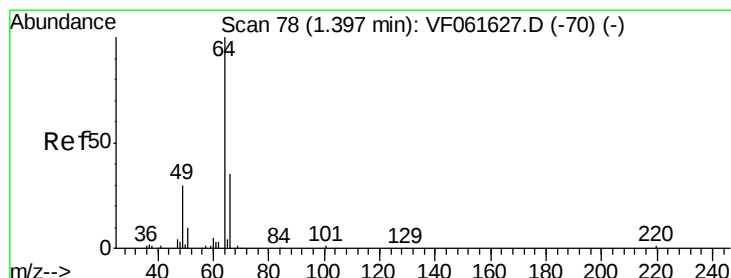
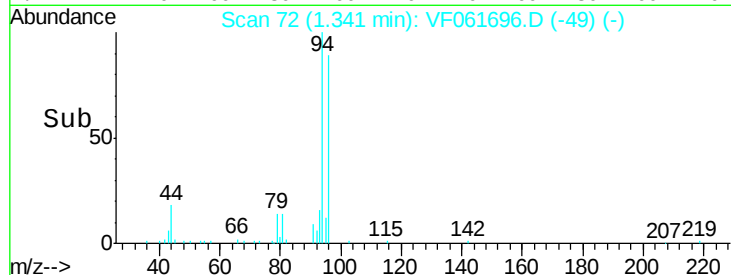
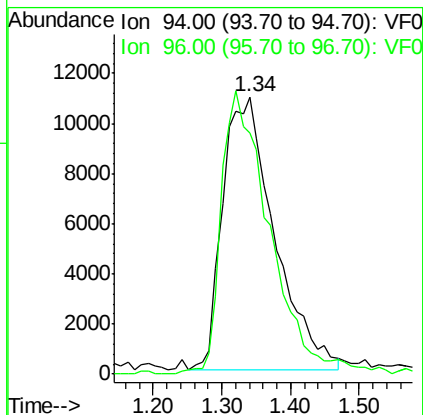
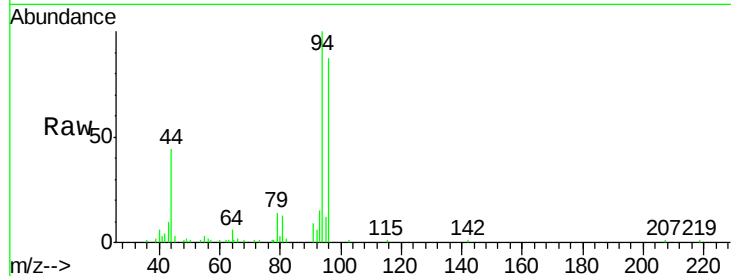
VF0221SBSD01

Tot Ion: 94 Resp: 56550

Ion Ratio Lower Upper

94 100

96 86.9 74.6 112.0



#6

Chloroethane

Concen: 22.800 ug/l

RT: 1.40 min Scan# 78

Delta R.T. 0.00 min

Lab File: VF061696.D

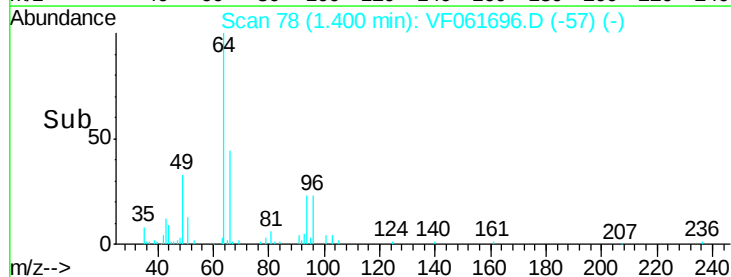
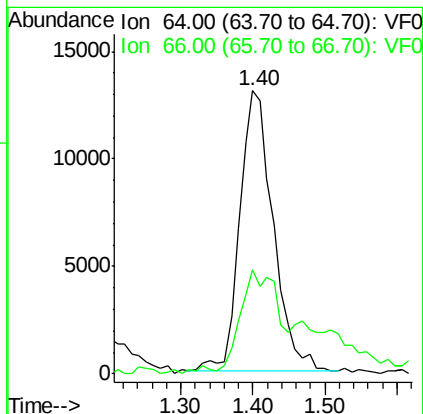
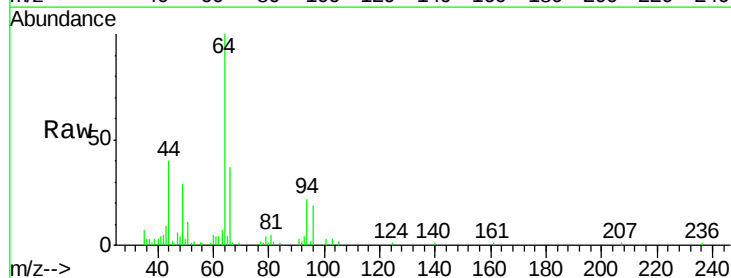
Acq: 21 Feb 2019 14:15

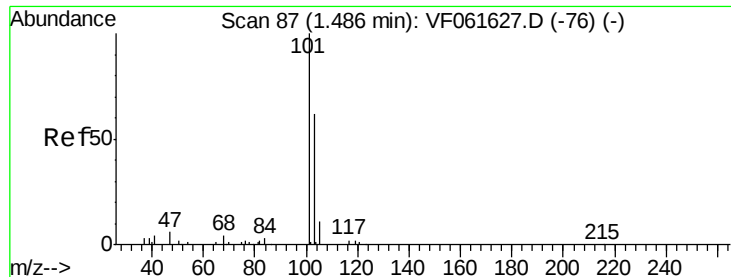
Tgt Ion: 64 Resp: 42475

Ion Ratio Lower Upper

64 100

66 36.6 27.9 41.9



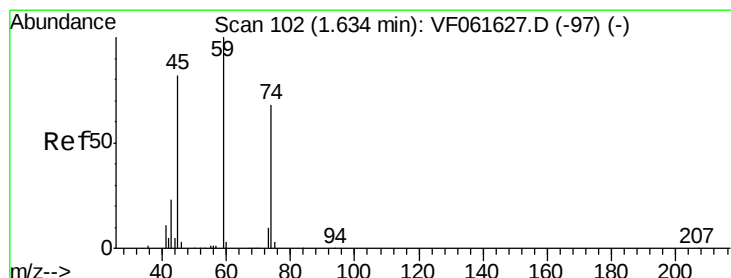
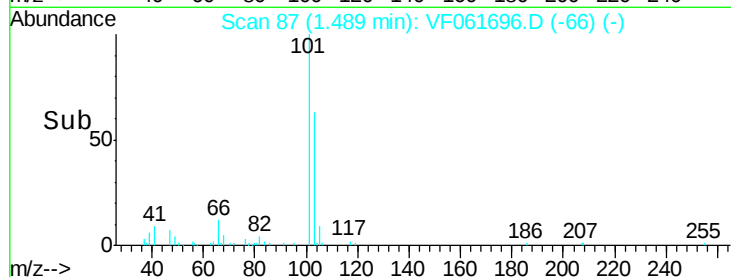
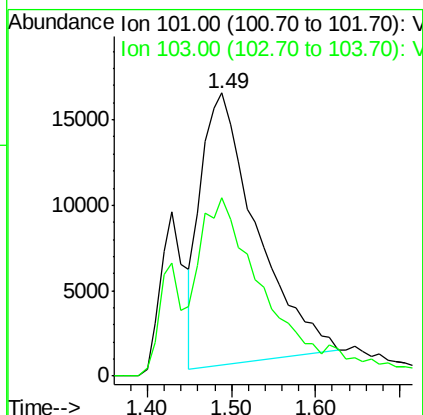
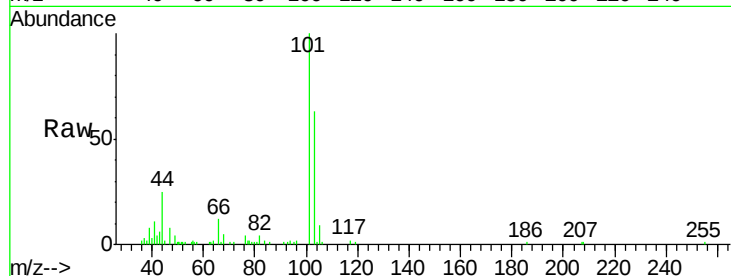


#7

Trichlorofluoromethane
Concen: 16.049 ug/l
RT: 1.49 min Scan# 87
Delta R.T. 0.00 min
Lab File: VF061696.D
Acq: 21 Feb 2019 14:15

Instrument :
MSVOA_F
ClientSampleId :
VF0221SBS01

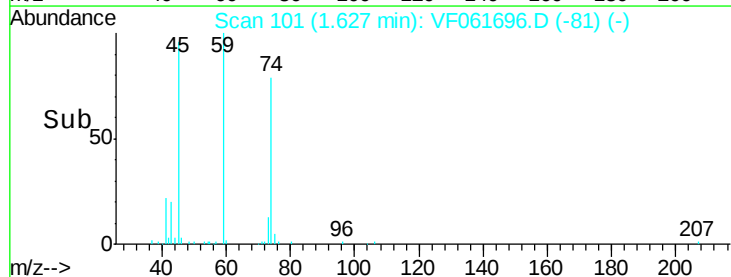
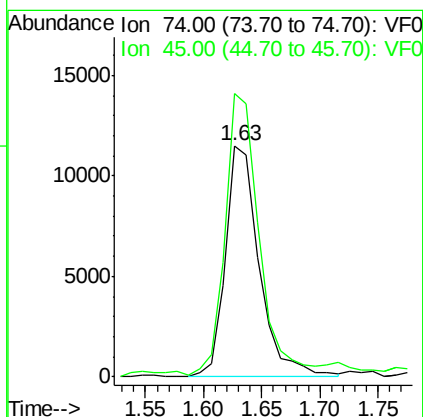
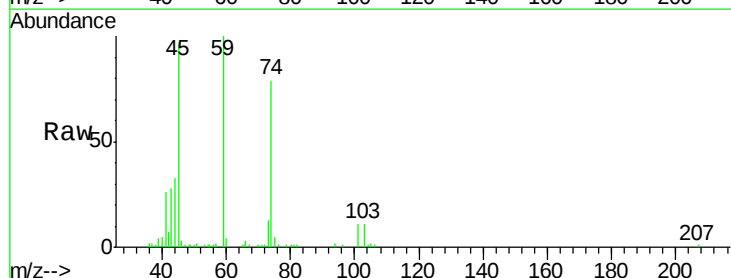
Tot Ion:101 Resp: 73175
Ion Ratio Lower Upper
101 100
103 62.8 49.3 73.9

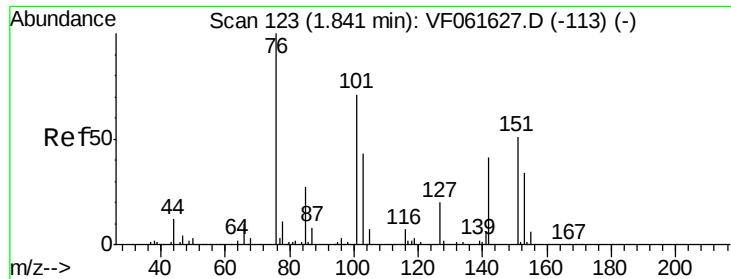


#8

Diethyl Ether
Concen: 20.227 ug/l
RT: 1.63 min Scan# 101
Delta R.T. -0.01 min
Lab File: VF061696.D
Acq: 21 Feb 2019 14:15

Tgt Ion: 74 Resp: 23242
Ion Ratio Lower Upper
74 100
45 122.4 60.8 182.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.019 ug/l

RT: 1.84 min Scan# 123

Delta R.T. 0.00 min

Lab File: VF061696.D

Acq: 21 Feb 2019 14:15

Instrument :

MSVOA_F

ClientSampleId :

VF0221SBS01

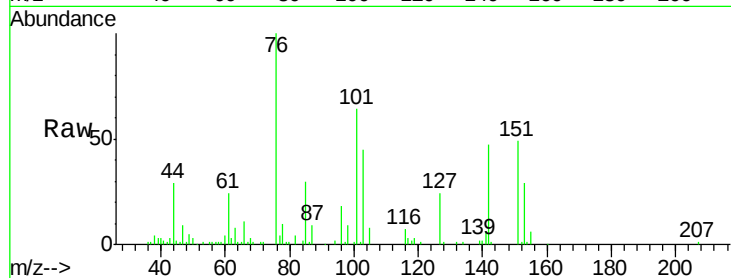
Tot Ion:101 Resp: 69136

Ion Ratio Lower Upper

101 100

85 47.2 29.8 44.6#

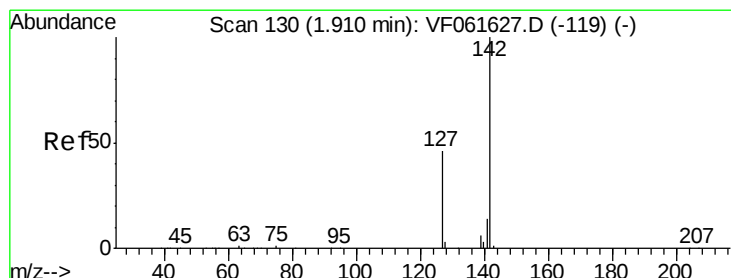
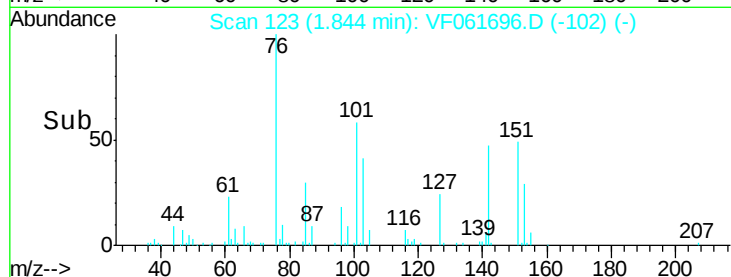
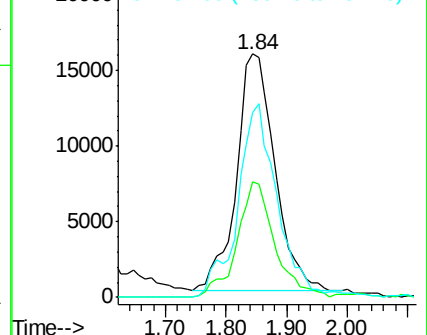
151 76.1 56.3 84.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 17.572 ug/l

RT: 1.91 min Scan# 130

Delta R.T. 0.00 min

Lab File: VF061696.D

Acq: 21 Feb 2019 14:15

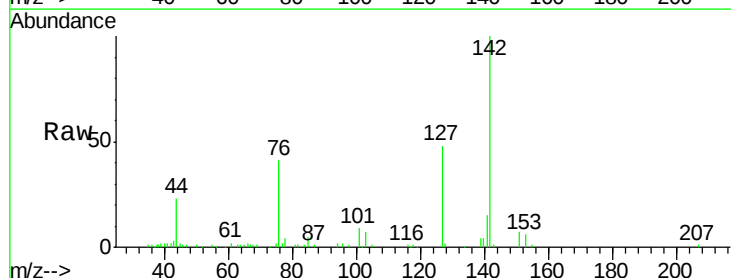
Tgt Ion:142 Resp: 110406

Ion Ratio Lower Upper

142 100

127 48.0 36.6 55.0

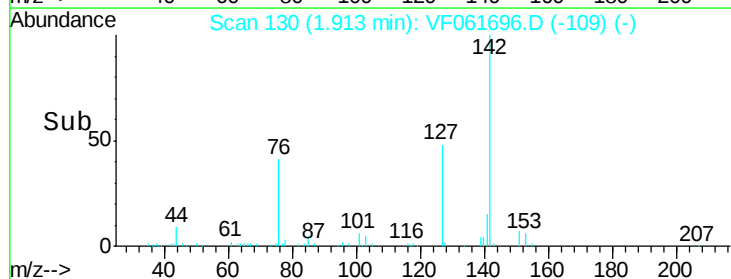
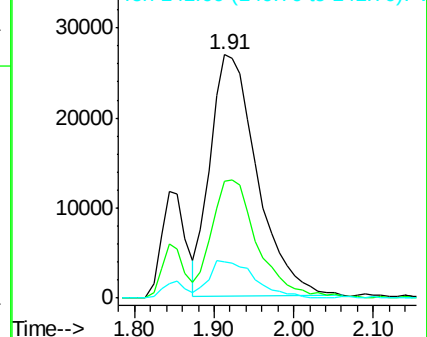
141 15.1 11.0 16.6

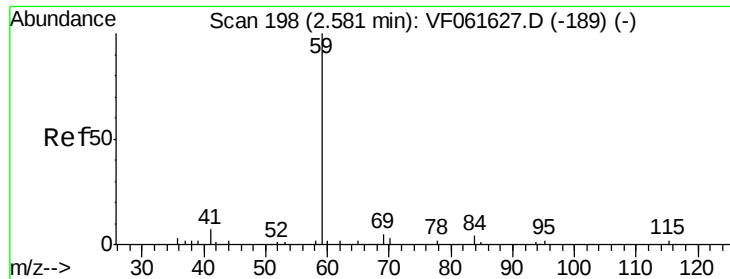


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



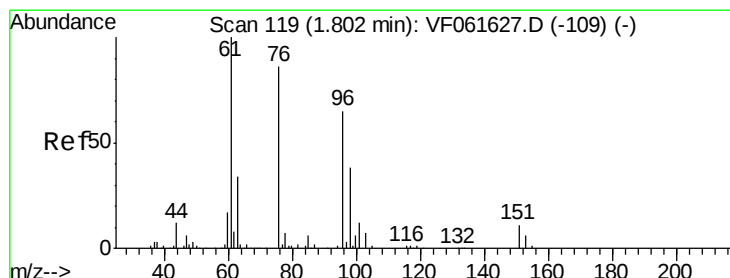
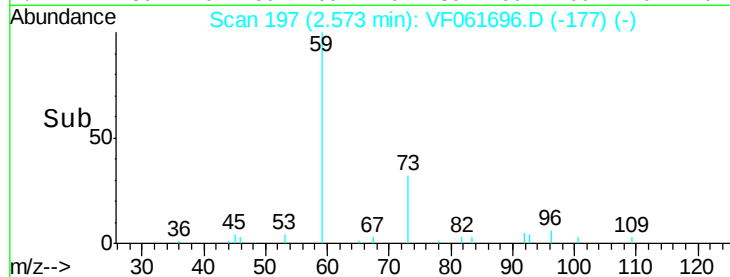
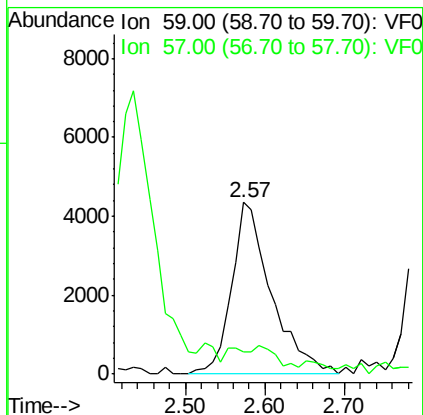
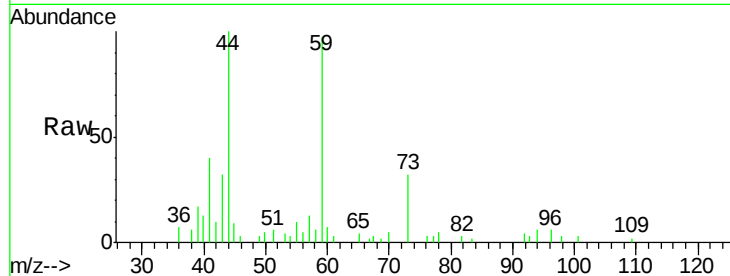


#11

Tert butyl alcohol
 Concen: 105.767 ug/l
 RT: 2.57 min Scan# 197
 Delta R.T. -0.01 min
 Lab File: VF061696.D
 Acq: 21 Feb 2019 14:15

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0221SBS01

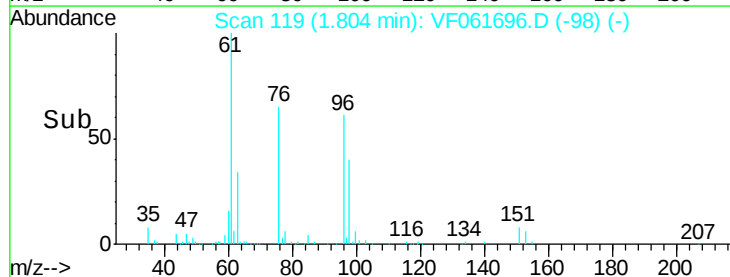
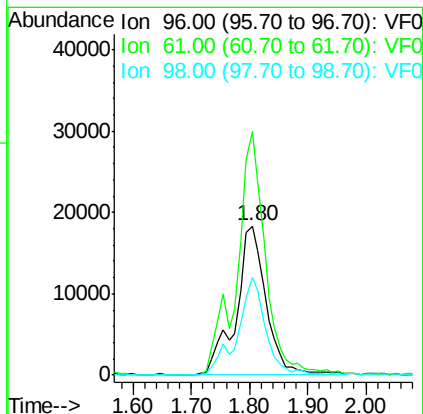
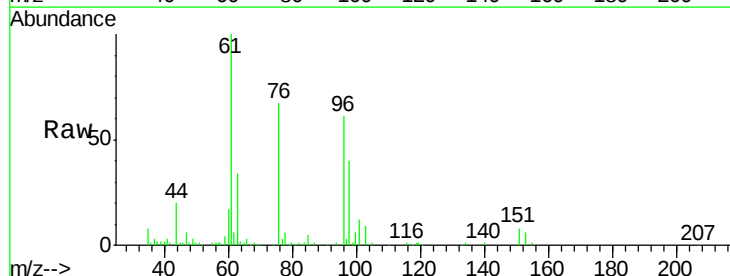
Tot Ion: 59 Resp: 15149
 Ion Ratio Lower Upper
 59 100
 57 13.0 12.5 18.7

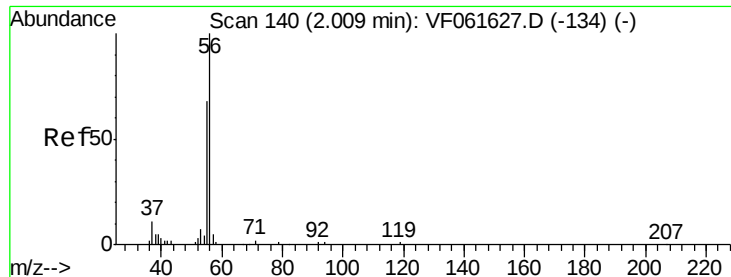


#12

1,1-Dichloroethene
 Concen: 23.119 ug/l
 RT: 1.80 min Scan# 119
 Delta R.T. 0.00 min
 Lab File: VF061696.D
 Acq: 21 Feb 2019 14:15

Tgt Ion: 96 Resp: 66860
 Ion Ratio Lower Upper
 96 100
 61 163.0 122.6 184.0
 98 65.5 47.2 70.8





#13

Acrolein

Concen: 103.892 ug/l

RT: 2.01 min Scan# 140

Delta R.T. 0.00 min

Lab File: VF061696.D

Acq: 21 Feb 2019 14:15

Instrument :

MSVOA_F

ClientSampleId :

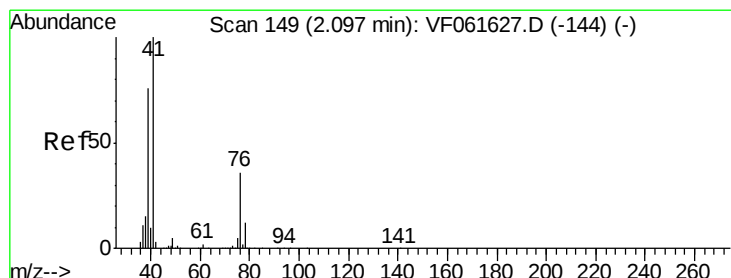
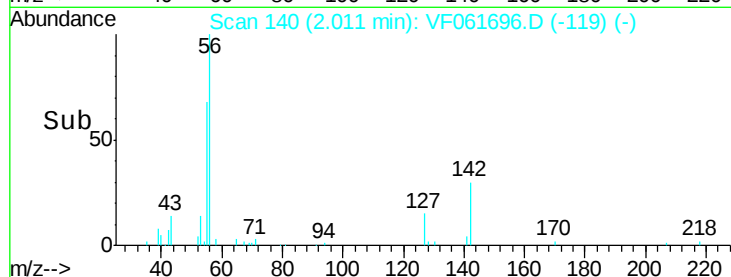
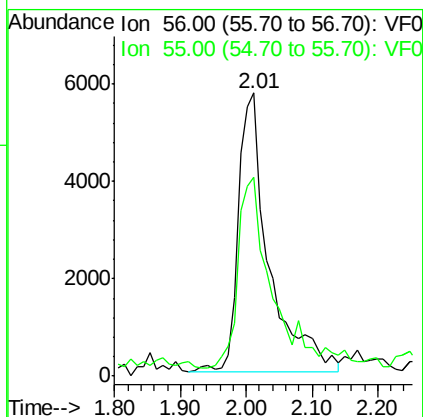
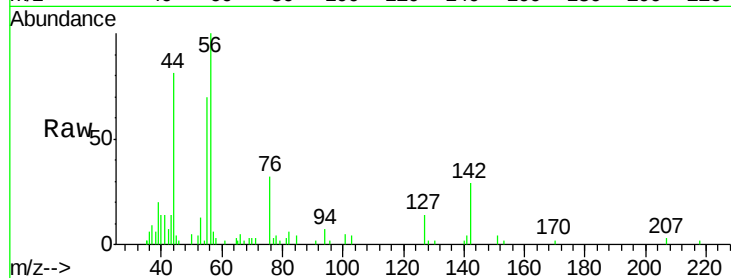
VF0221SBSD01

Tot Ion: 56 Resp: 18702

Ion Ratio Lower Upper

56 100

55 70.2 55.0 82.6



#14

Allyl chloride

Concen: 20.641 ug/l

RT: 2.10 min Scan# 149

Delta R.T. 0.00 min

Lab File: VF061696.D

Acq: 21 Feb 2019 14:15

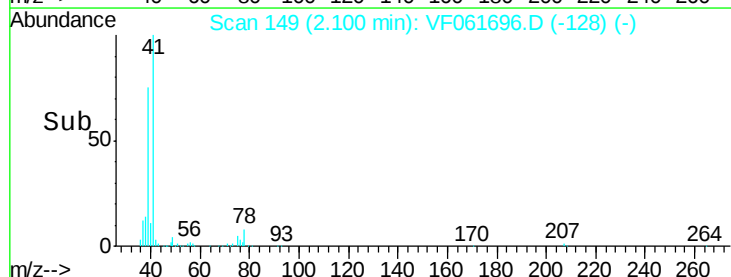
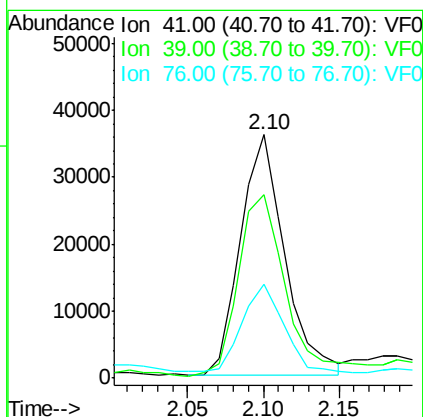
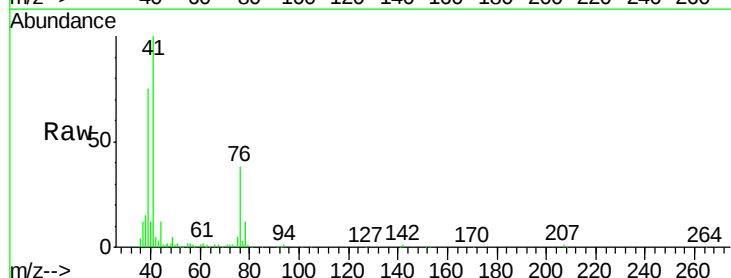
Tgt Ion: 41 Resp: 73250

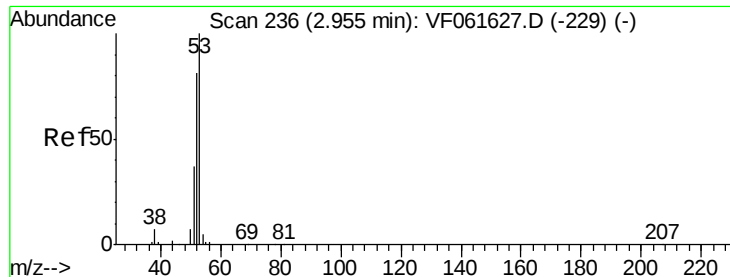
Ion Ratio Lower Upper

41 100

39 75.4 61.6 92.4

76 38.4 30.3 45.5





#15

Acrylonitrile

Concen: 94.229 ug/l

RT: 2.95 min Scan# 235

Delta R.T. -0.01 min

Lab File: VF061696.D

Acq: 21 Feb 2019 14:15

Instrument :

MSVOA_F

ClientSampleId :

VF0221SBS01

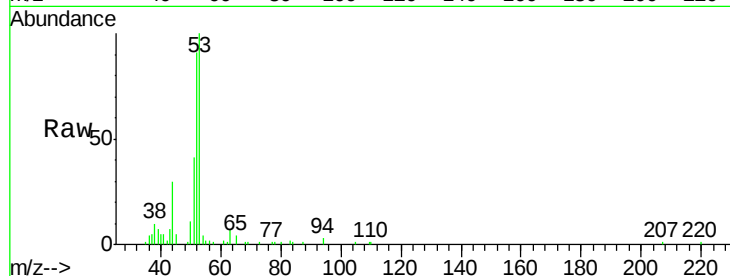
Tot Ion: 53 Resp: 47872

Ion Ratio Lower Upper

53 100

52 90.5 64.6 97.0

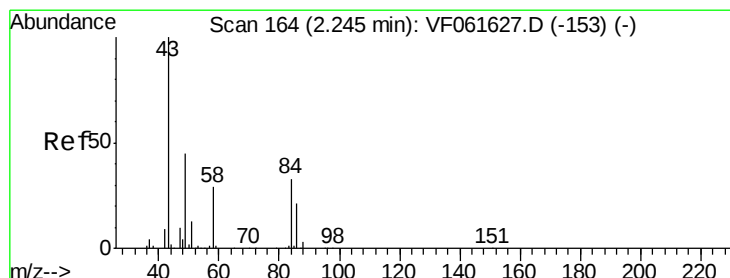
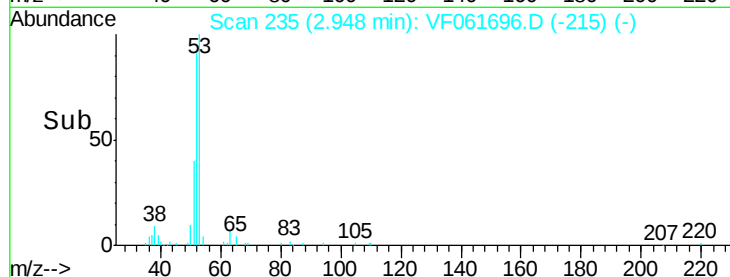
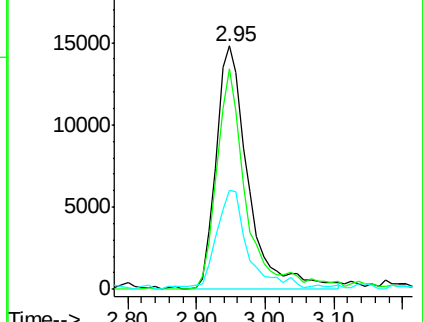
51 40.6 29.8 44.8



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 104.773 ug/l

RT: 2.25 min Scan# 164

Delta R.T. 0.00 min

Lab File: VF061696.D

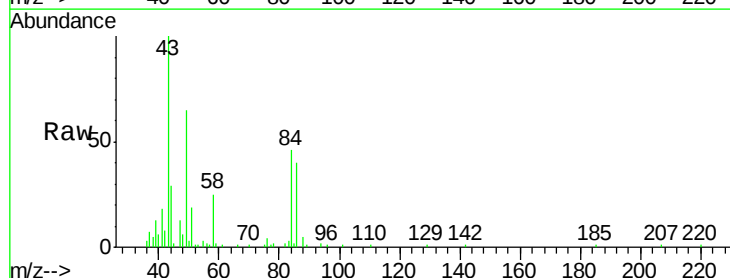
Acq: 21 Feb 2019 14:15

Tgt Ion: 43 Resp: 55634

Ion Ratio Lower Upper

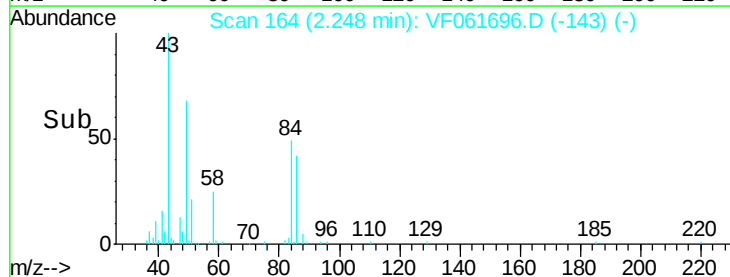
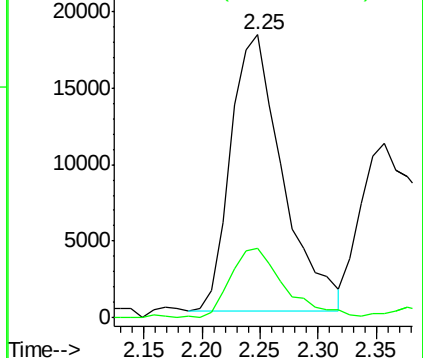
43 100

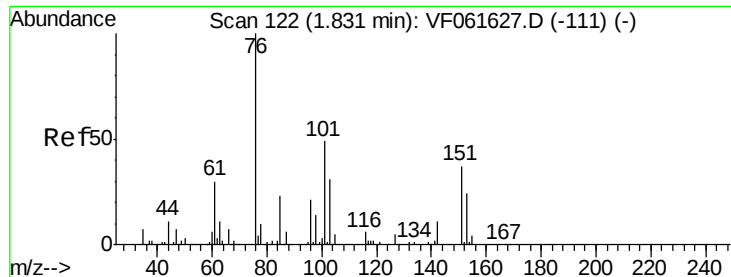
58 24.8 22.9 34.3



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#17

Carbon Disulfide

Concen: 15.987 ug/l

RT: 1.82 min Scan# 121

Delta R.T. -0.01 min

Lab File: VF061696.D

Acq: 21 Feb 2019 14:15

Instrument :

MSVOA_F

ClientSampleId :

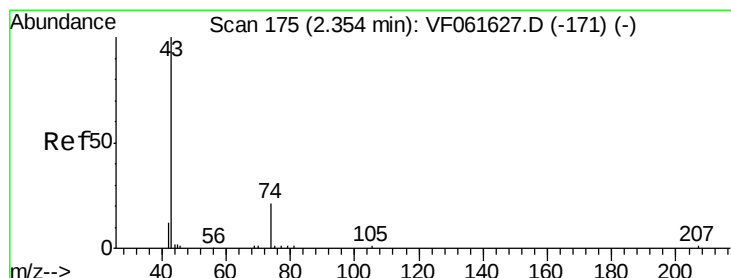
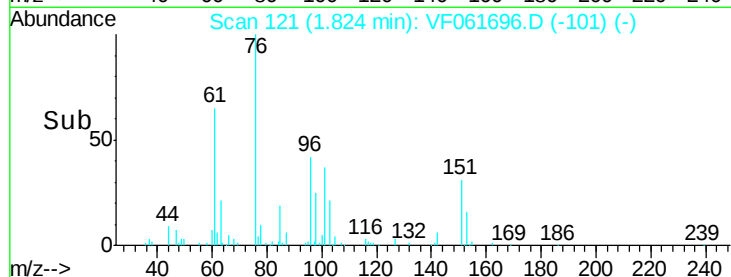
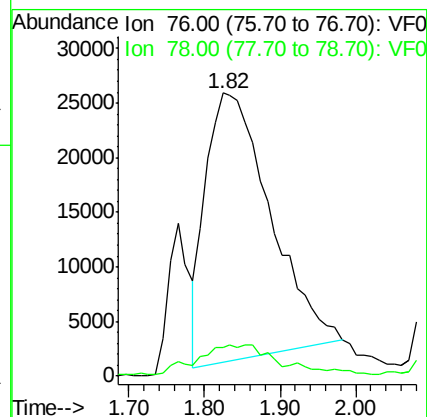
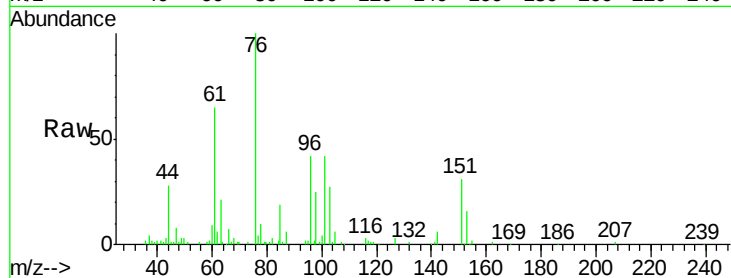
VF0221SBS01

Tot Ion: 76 Resp: 145331

Ion Ratio Lower Upper

76 100

78 10.3 7.9 11.9



#18

Methyl Acetate

Concen: 30.303 ug/l

RT: 2.36 min Scan# 175

Delta R.T. 0.00 min

Lab File: VF061696.D

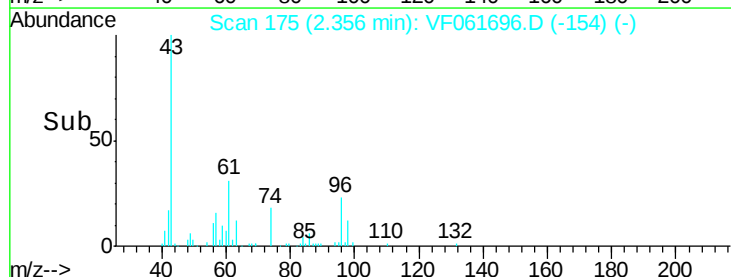
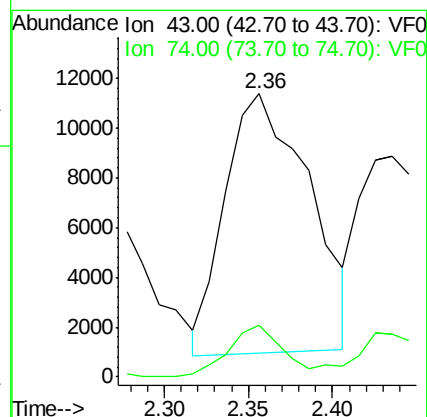
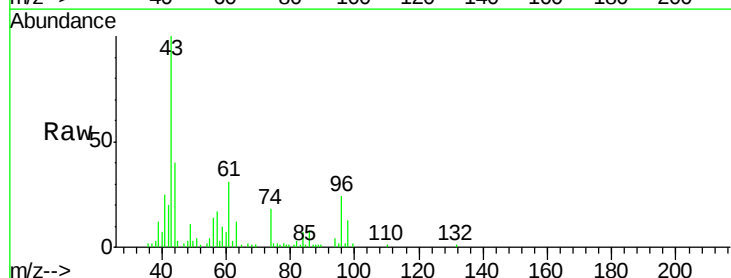
Acq: 21 Feb 2019 14:15

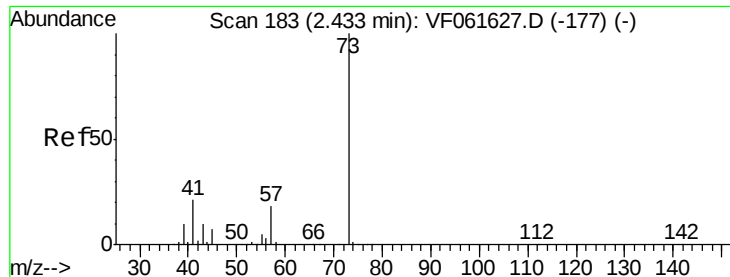
Tgt Ion: 43 Resp: 36249

Ion Ratio Lower Upper

43 100

74 18.2 14.6 21.8

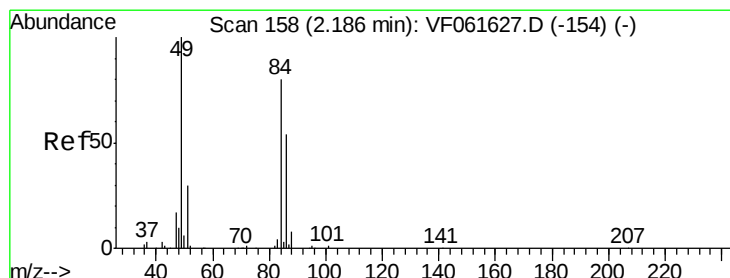
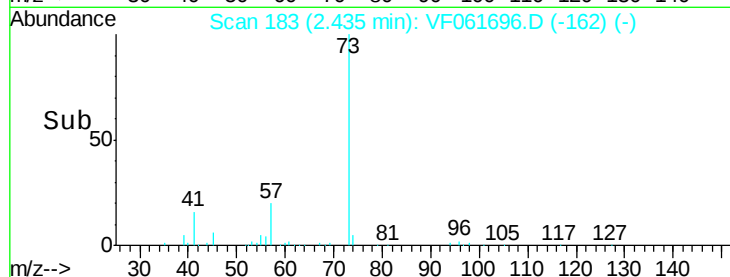
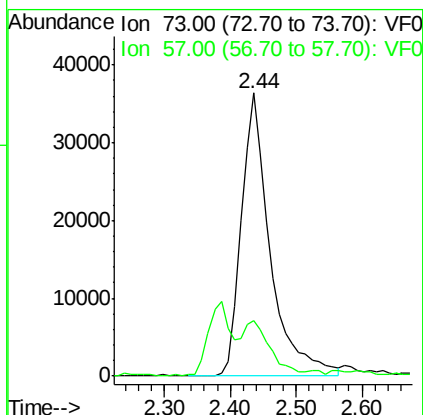
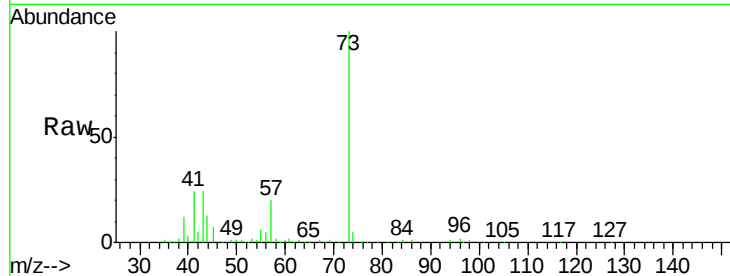




#19
Methvl tert-butvl Ether
Concen: 22.677 ug/l
RT: 2.44 min Scan# 183
Delta R.T. 0.00 min
Lab File: VF061696.D
Acq: 21 Feb 2019 14:15

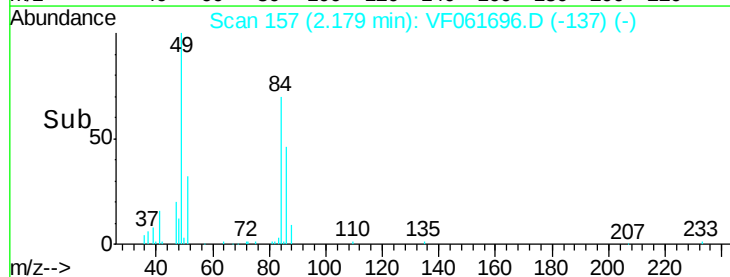
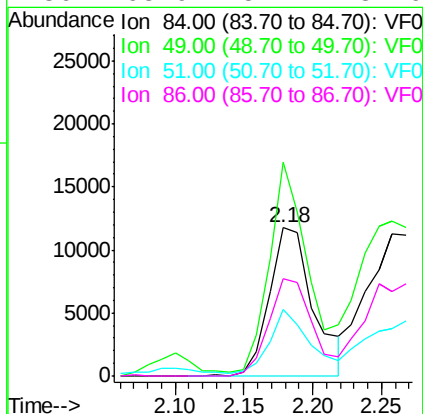
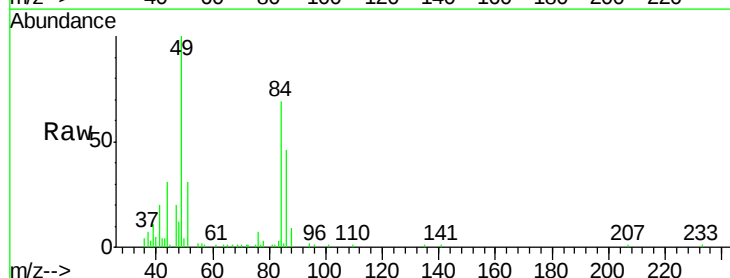
Instrument :
MSVOA_F
ClientSampleId :
VF0221SBS01

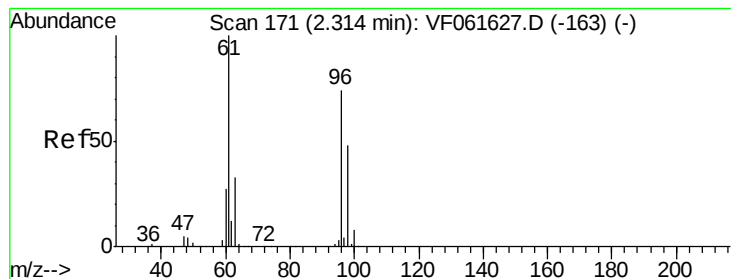
Tot Ion: 73 Resp: 112079
Ion Ratio Lower Upper
73 100
57 19.7 15.8 23.8



#20
Methylene Chloride
Concen: 6.995 ug/l
RT: 2.18 min Scan# 157
Delta R.T. -0.01 min
Lab File: VF061696.D
Acq: 21 Feb 2019 14:15

Tgt Ion: 84 Resp: 26073
Ion Ratio Lower Upper
84 100
49 144.1 101.8 152.8
51 45.2 31.1 46.7
86 65.9 54.4 81.6





#21

trans-1,2-Dichloroethene

Concen: 18.848 ug/l

RT: 2.31 min Scan# 170

Delta R.T. -0.01 min

Lab File: VF061696.D

Acq: 21 Feb 2019 14:15

Instrument :

MSVOA_F

ClientSampleId :

VF0221SBS01

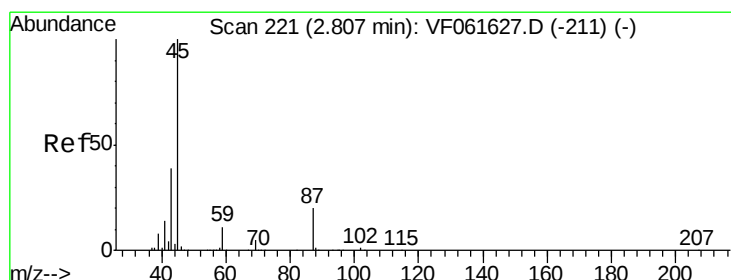
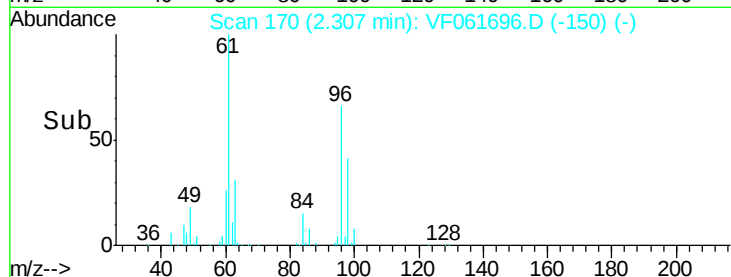
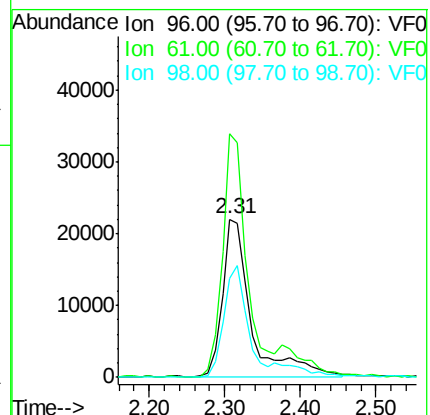
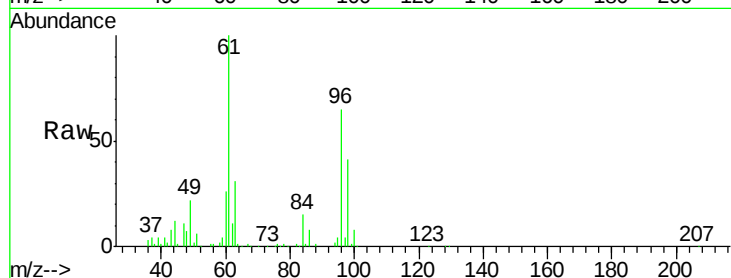
Tot Ion: 96 Resp: 59254

Ion Ratio Lower Upper

96 100

61 154.2 108.2 162.4

98 62.6 52.2 78.2



#22

Diisopropyl ether

Concen: 22.574 ug/l

RT: 2.80 min Scan# 220

Delta R.T. -0.01 min

Lab File: VF061696.D

Acq: 21 Feb 2019 14:15

Tgt Ion: 45 Resp: 192300

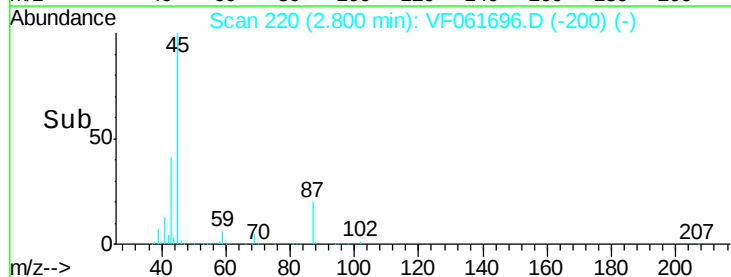
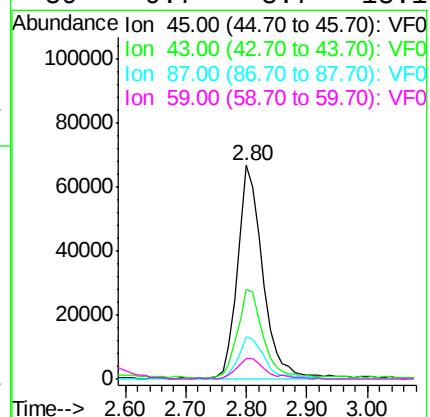
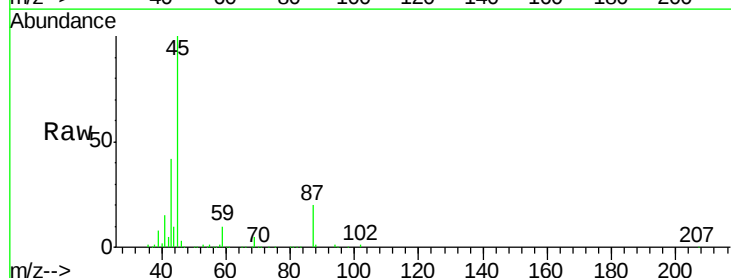
Ion Ratio Lower Upper

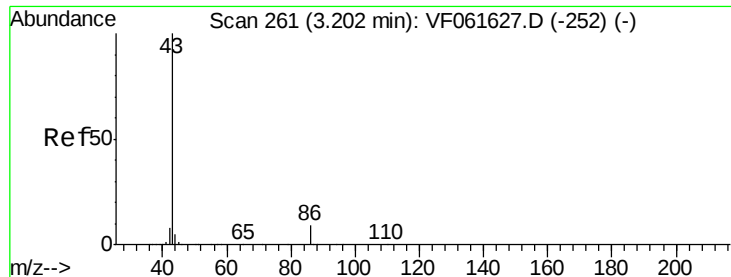
45 100

43 42.2 31.4 47.2

87 19.8 16.3 24.5

59 9.7 8.7 13.1





#23

Vinyl Acetate

Concen: 109.812 ug/l

RT: 3.19 min Scan# 260

Delta R.T. -0.01 min

Lab File: VF061696.D

Acq: 21 Feb 2019 14:15

Instrument :

MSVOA_F

ClientSampleId :

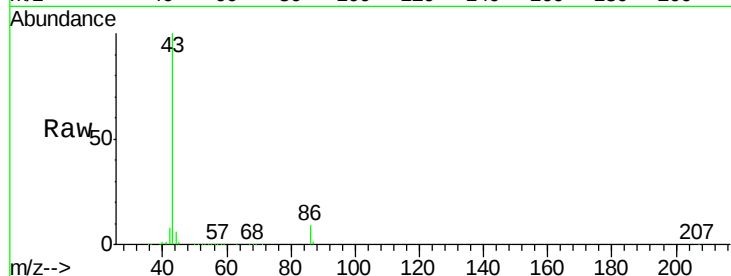
VF0221SBS01

Tot Ion: 43 Resp: 456894

Ion Ratio Lower Upper

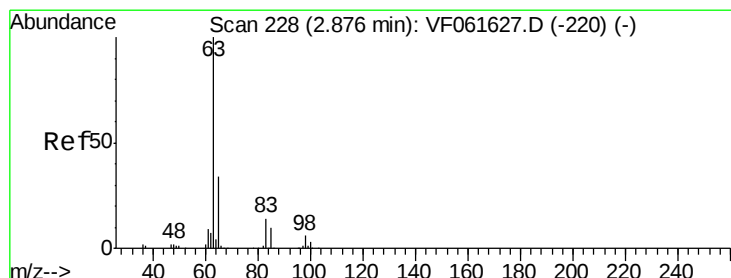
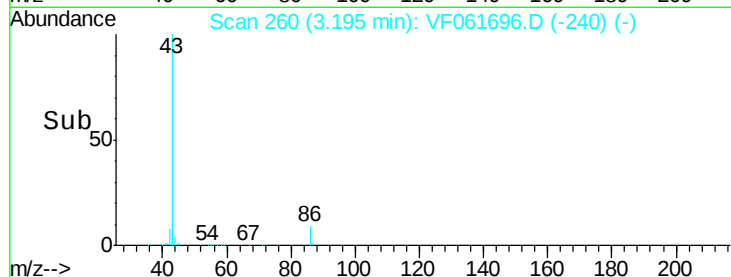
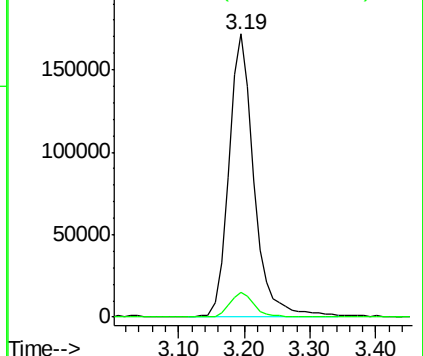
43 100

86 8.9 7.5 11.3



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 21.337 ug/l

RT: 2.88 min Scan# 228

Delta R.T. 0.00 min

Lab File: VF061696.D

Acq: 21 Feb 2019 14:15

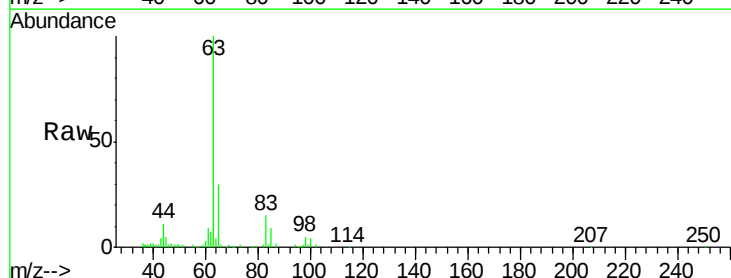
Tgt Ion: 63 Resp: 109993

Ion Ratio Lower Upper

63 100

98 5.4 2.8 8.3

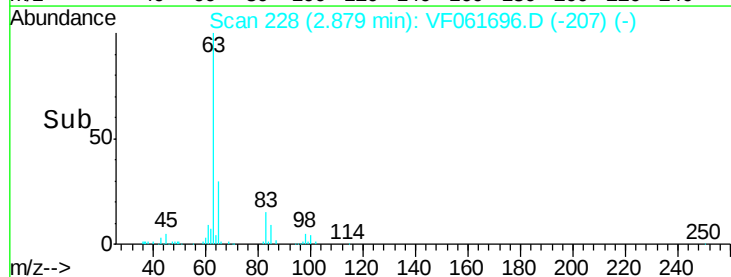
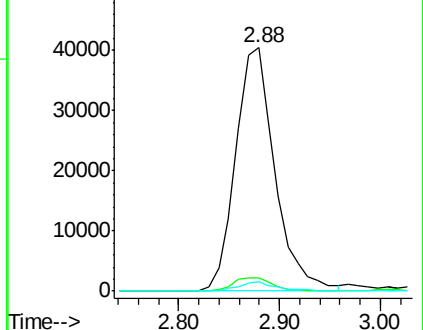
100 4.1 1.8 5.4

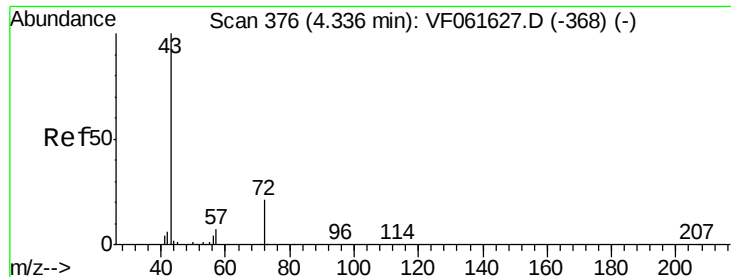


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 111.436 ug/l

RT: 4.34 min Scan# 376

Delta R.T. 0.00 min

Lab File: VF061696.D

Acq: 21 Feb 2019 14:15

Instrument :

MSVOA_F

ClientSampleId :

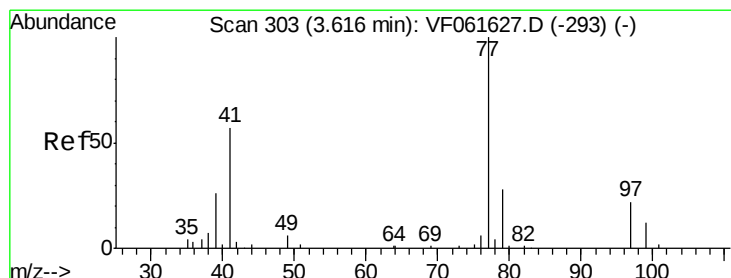
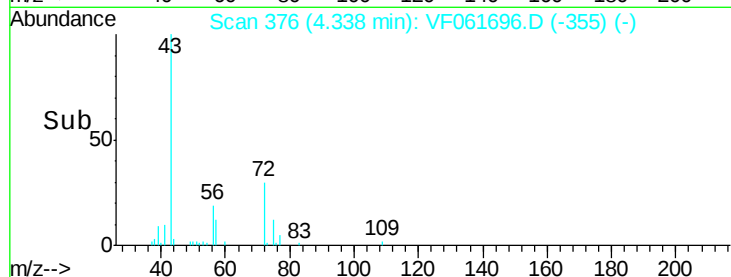
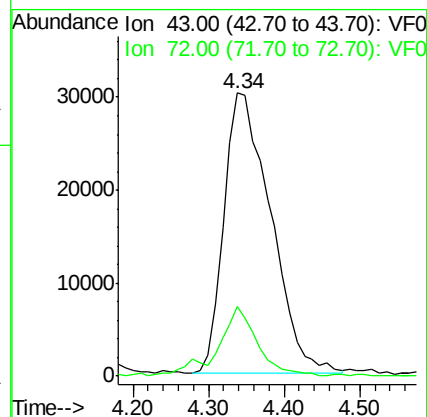
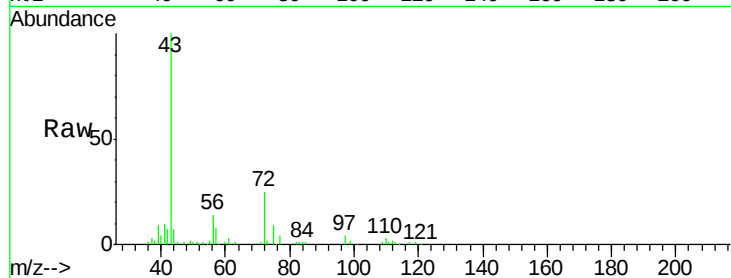
VF0221SBS01

Tot Ion: 43 Resp: 129250

Ion Ratio Lower Upper

43 100

72 24.6 17.1 25.7



#26

2,2-Dichloropropane

Concen: 24.294 ug/l

RT: 3.61 min Scan# 302

Delta R.T. -0.01 min

Lab File: VF061696.D

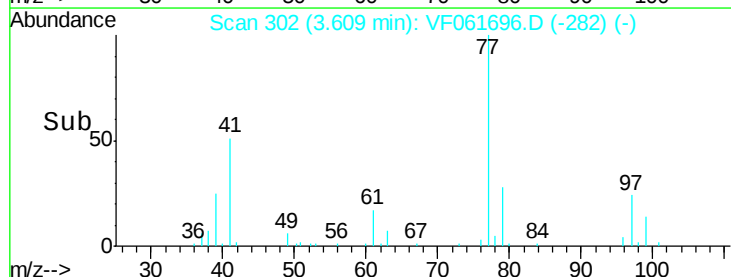
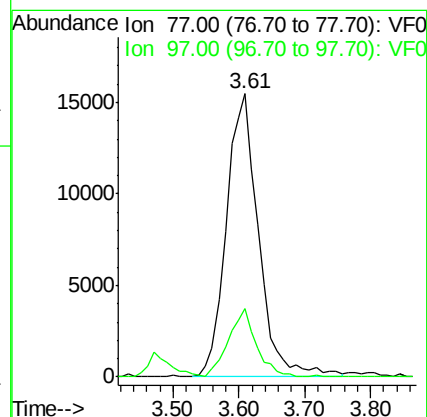
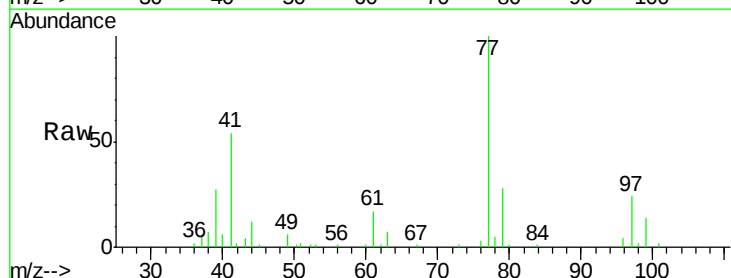
Acq: 21 Feb 2019 14:15

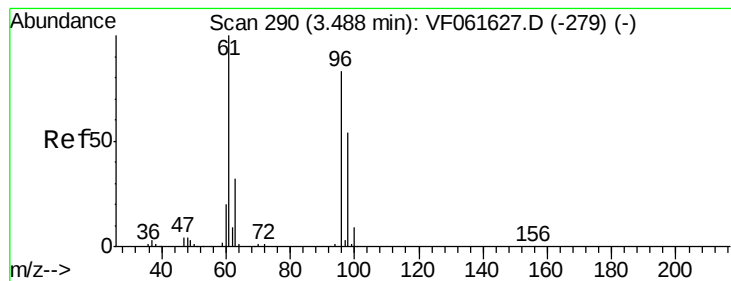
Tgt Ion: 77 Resp: 53049

Ion Ratio Lower Upper

77 100

97 24.1 11.7 35.0



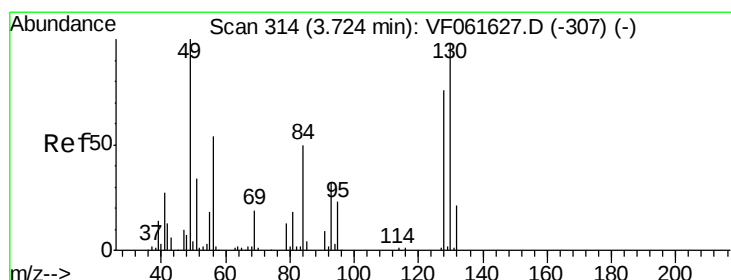
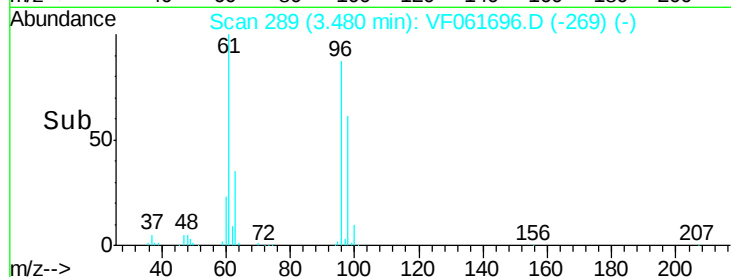
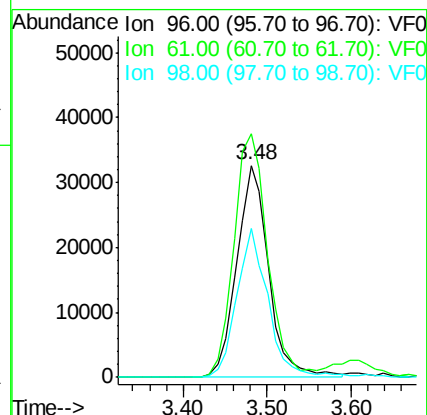
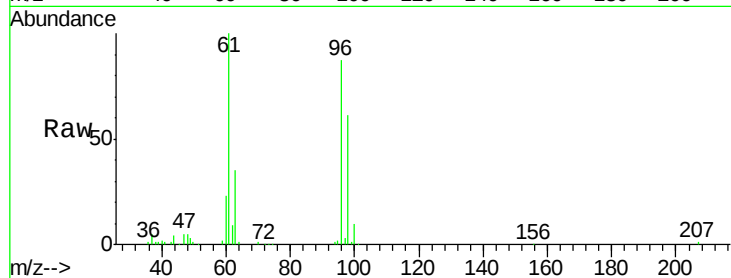


#27

cis-1,2-Dichloroethene
 Concen: 20.972 ug/l
 RT: 3.48 min Scan# 289
 Delta R.T. -0.01 min
 Lab File: VF061696.D
 Acq: 21 Feb 2019 14:15

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0221SBS01

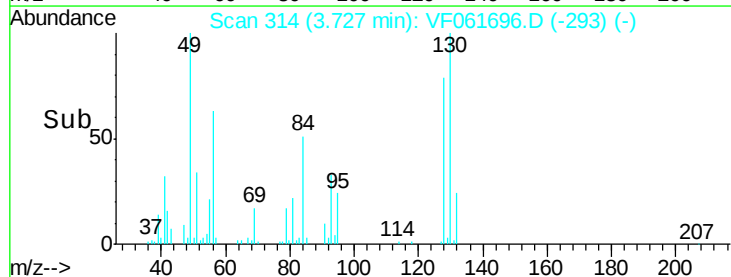
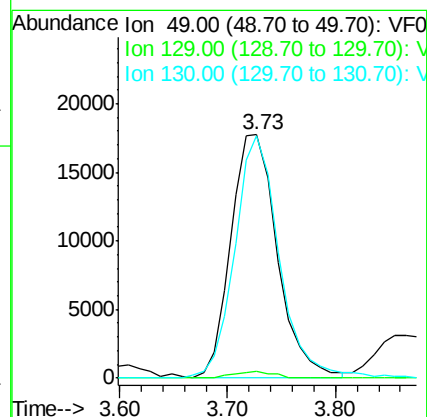
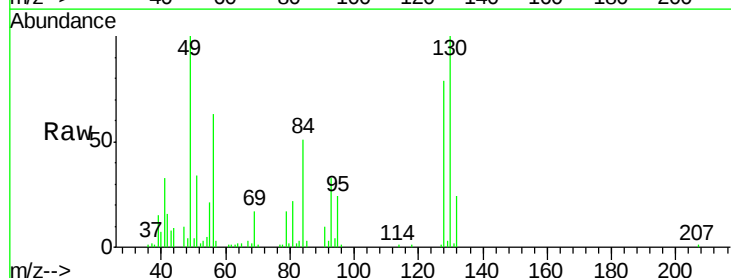
Tot Ion: 96 Resp: 86538
 Ion Ratio Lower Upper
 96 100
 61 114.8 0.0 241.6
 98 70.1 0.0 130.2

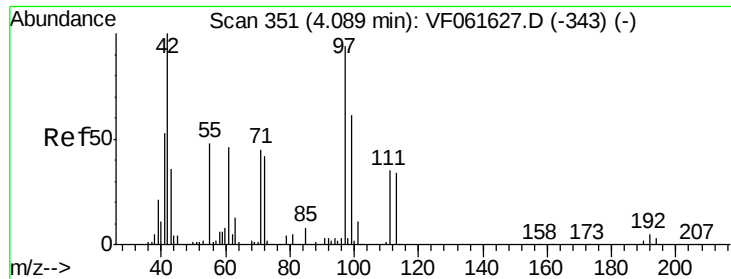


#28

Bromochloromethane
 Concen: 21.503 ug/l
 RT: 3.73 min Scan# 314
 Delta R.T. 0.00 min
 Lab File: VF061696.D
 Acq: 21 Feb 2019 14:15

Tgt Ion: 49 Resp: 53187
 Ion Ratio Lower Upper
 49 100
 129 2.8 0.0 3.4
 130 99.6 77.7 116.5





#29

Tetrahydrofuran

Concen: 105.236 ug/l

RT: 4.08 min Scan# 350

Delta R.T. -0.01 min

Lab File: VF061696.D

Acq: 21 Feb 2019 14:15

Instrument :

MSVOA_F

ClientSampleId :

VF0221SBS01

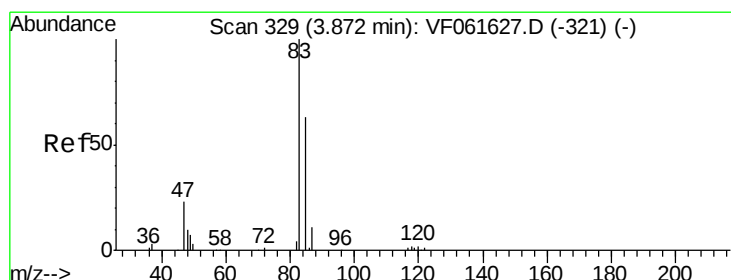
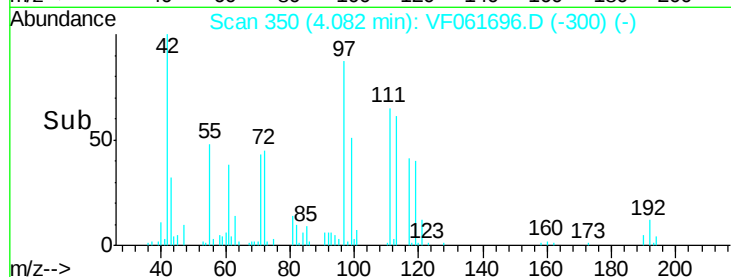
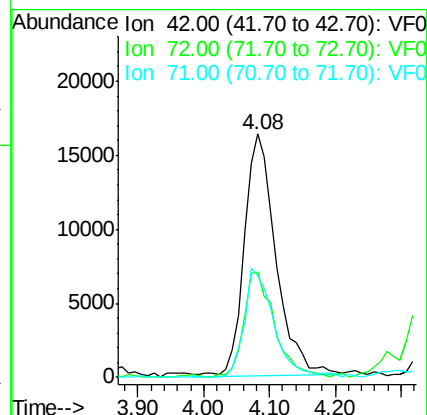
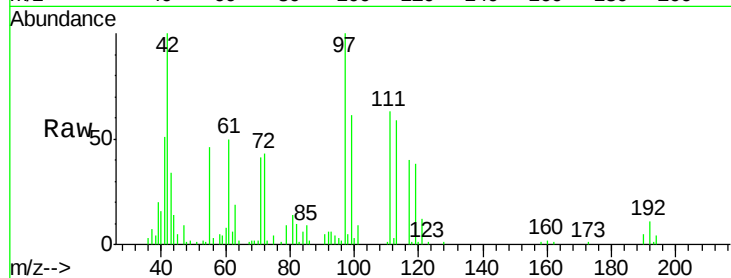
Tot Ion: 42 Resp: 55477

Ion Ratio Lower Upper

42 100

72 42.4 35.2 52.8

71 42.1 32.9 49.3



#30

Chloroform

Concen: 22.903 ug/l

RT: 3.87 min Scan# 328

Delta R.T. -0.01 min

Lab File: VF061696.D

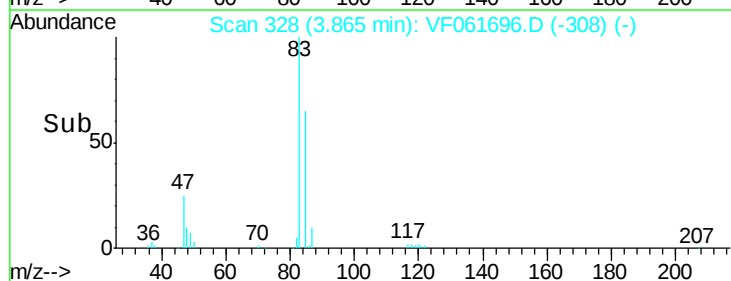
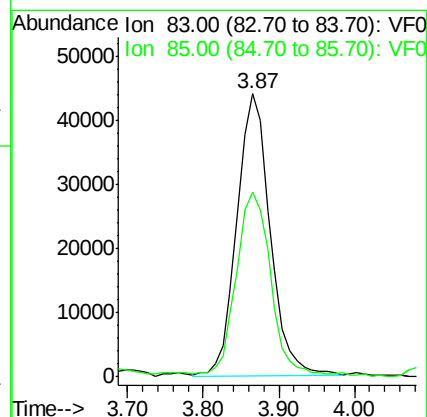
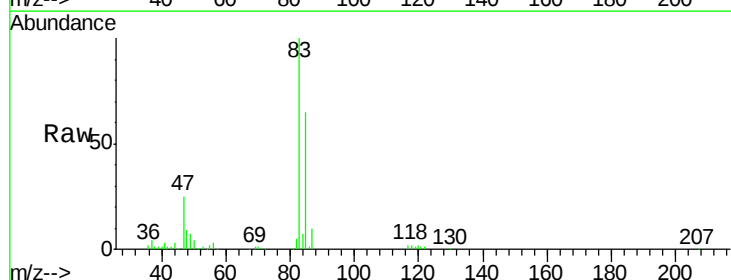
Acq: 21 Feb 2019 14:15

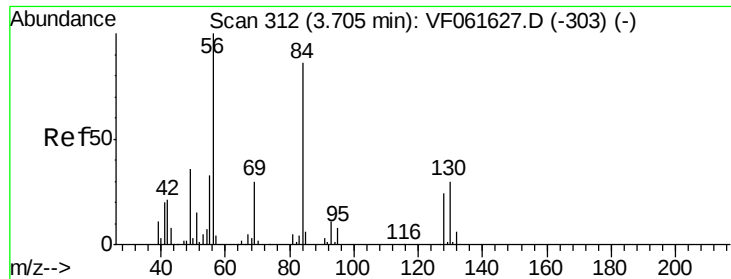
Tgt Ion: 83 Resp: 134268

Ion Ratio Lower Upper

83 100

85 65.5 51.1 76.7

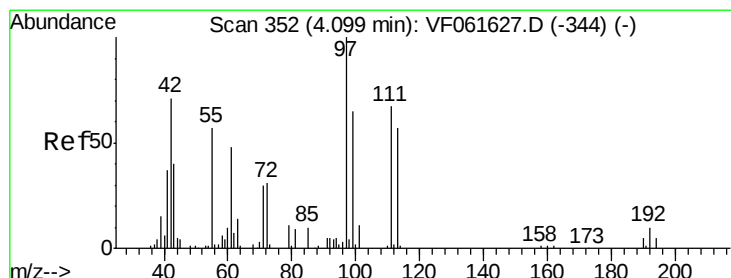
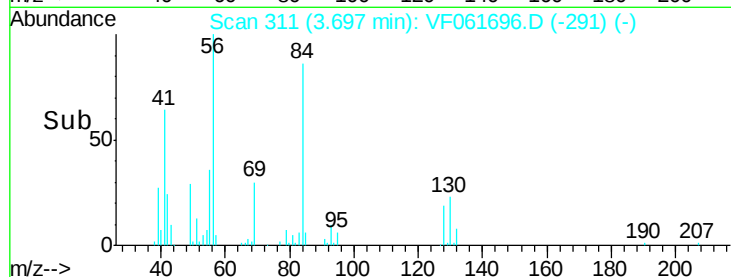
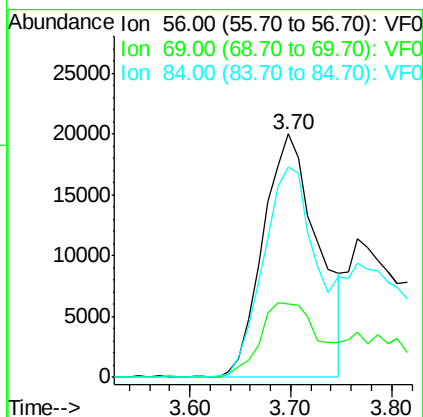
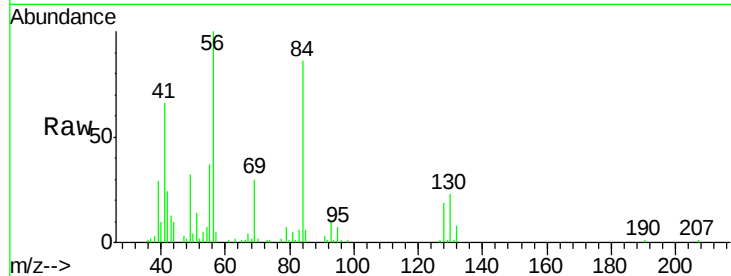




#31
Cyclohexane
Concen: 13.588 ug/l
RT: 3.70 min Scan# 311
Delta R.T. -0.01 min
Lab File: VF061696.D
Acq: 21 Feb 2019 14:15

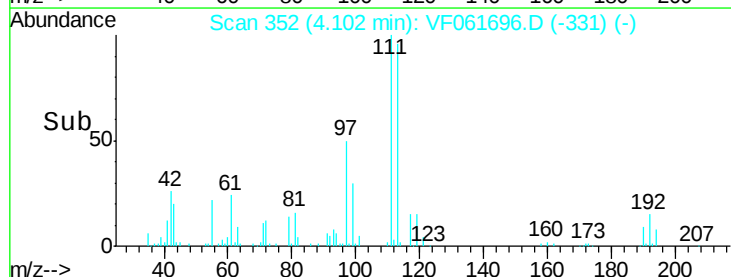
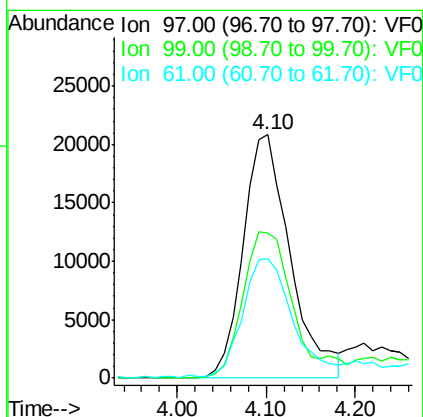
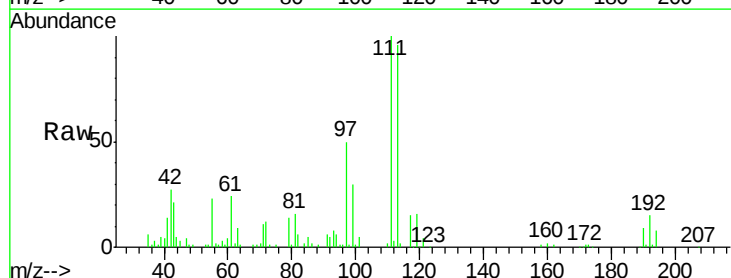
Instrument :
MSVOA_F
ClientSampleId :
VF0221SBS01

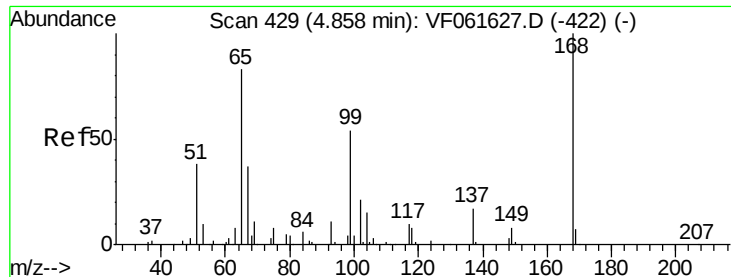
Tot Ion: 56 Resp: 75830
Ion Ratio Lower Upper
56 100
69 30.2 23.8 35.8
84 86.4 68.6 103.0



#32
1,1,1-Trichloroethane
Concen: 19.831 ug/l
RT: 4.10 min Scan# 352
Delta R.T. 0.00 min
Lab File: VF061696.D
Acq: 21 Feb 2019 14:15

Tgt Ion: 97 Resp: 76159
Ion Ratio Lower Upper
97 100
99 59.4 52.2 78.2
61 49.2 39.2 58.8

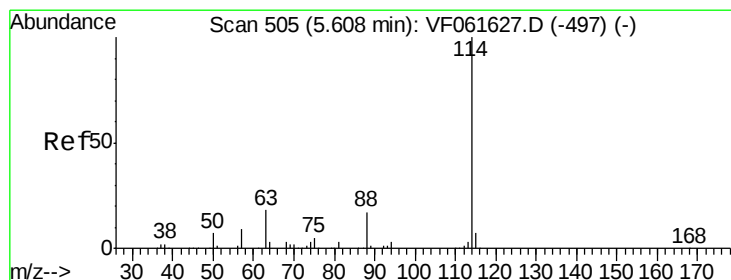
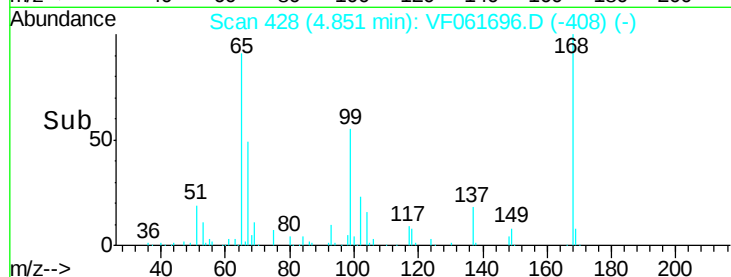
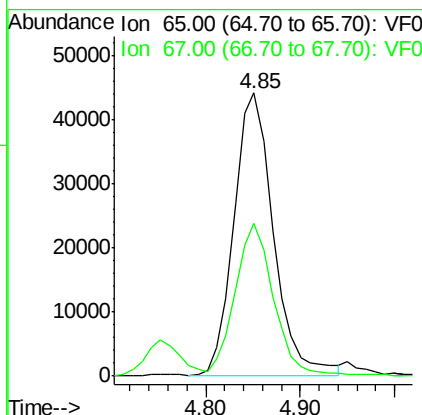
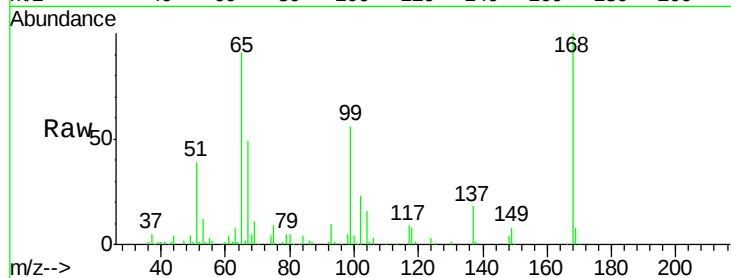




#33
 1,2-Dichloroethane-d4
 Concen: 51.265 ug/l
 RT: 4.85 min Scan# 428
 Delta R.T. -0.01 min
 Lab File: VF061696.D
 Acq: 21 Feb 2019 14:15

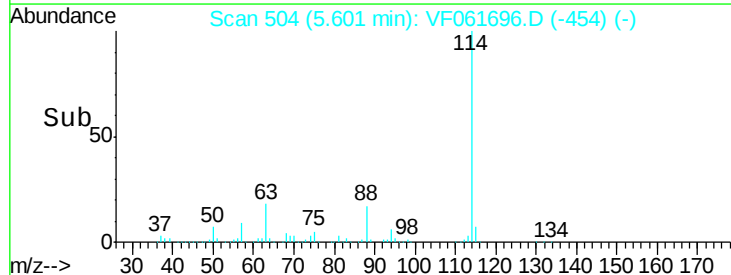
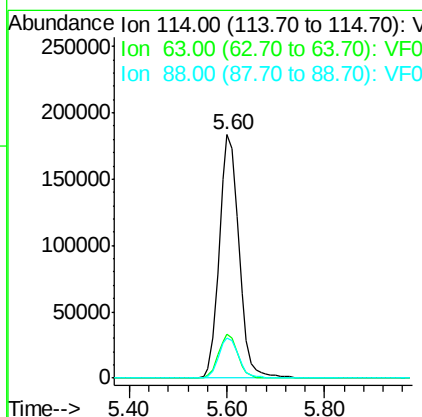
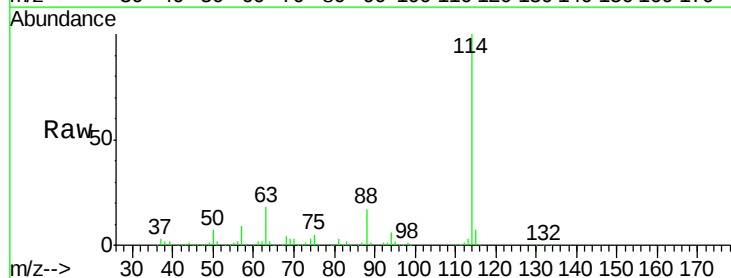
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0221SBS01

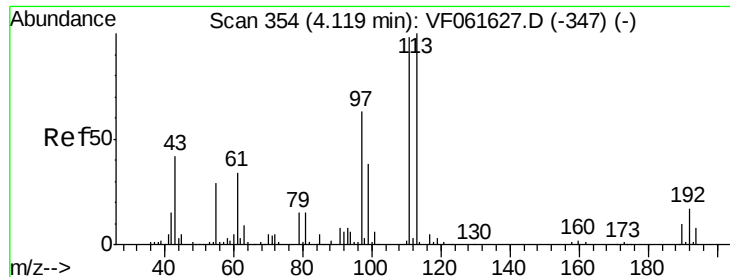
Tot Ion: 65 Resp: 126873
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.60 min Scan# 504
 Delta R.T. -0.01 min
 Lab File: VF061696.D
 Acq: 21 Feb 2019 14:15

Tgt Ion: 114 Resp: 519122
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 36.6
 88 16.6 0.0 34.4

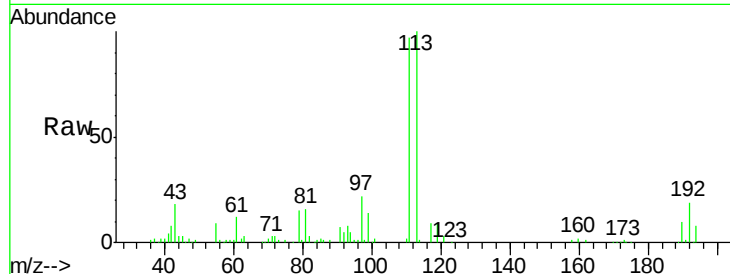




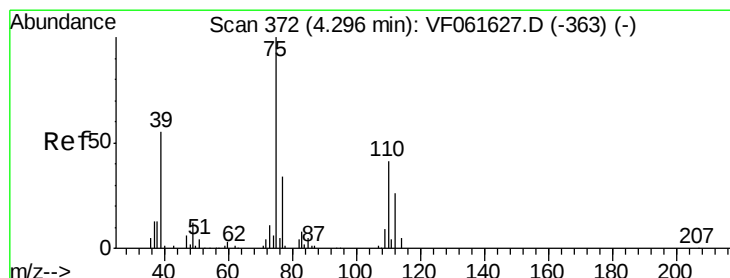
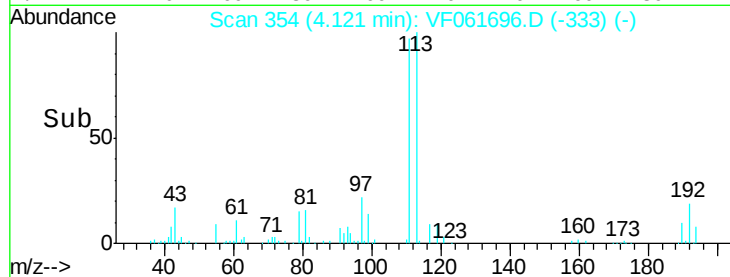
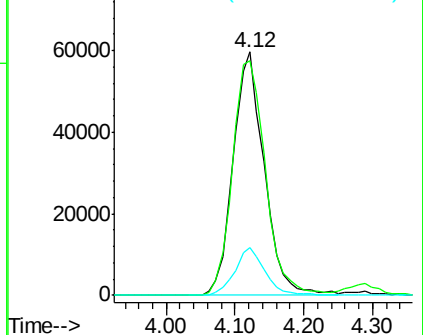
#35
 Dibromofluoromethane
 Concen: 48.661 ug/l
 RT: 4.12 min Scan# 354
 Delta R.T. 0.00 min
 Lab File: VF061696.D
 Acq: 21 Feb 2019 14:15

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0221SBS01

Tot Ion:113 Resp: 187589
 Ion Ratio Lower Upper
 113 100
 111 96.5 78.8 118.2
 192 19.4 13.4 20.0

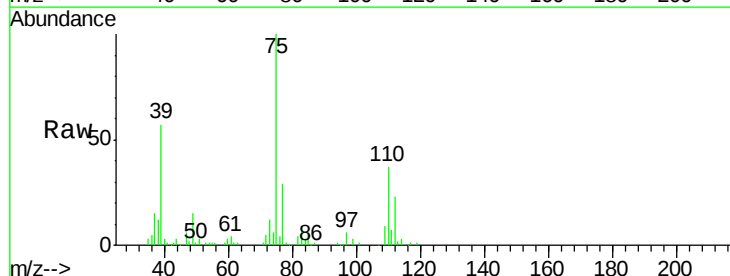


Abundance Ion 113.00 (112.70 to 113.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 192.00 (191.70 to 192.70): V

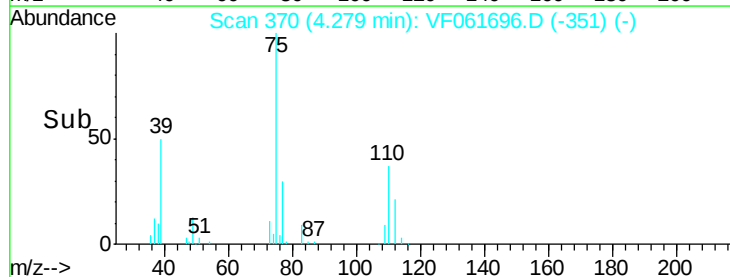
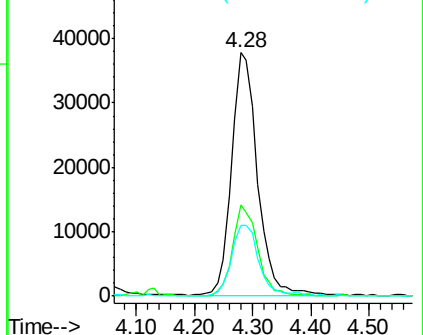


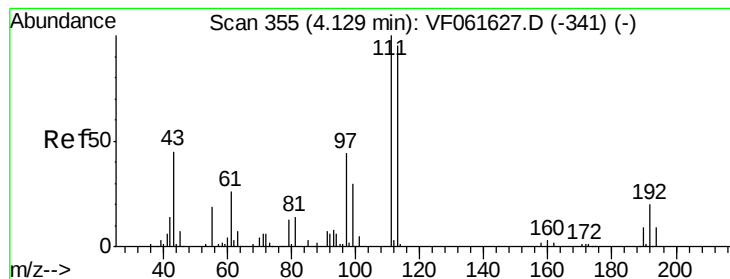
#36
 1,1-Dichloropropene
 Concen: 23.051 ug/l
 RT: 4.28 min Scan# 370
 Delta R.T. -0.02 min
 Lab File: VF061696.D
 Acq: 21 Feb 2019 14:15

Tgt Ion: 75 Resp: 118543
 Ion Ratio Lower Upper
 75 100
 110 37.5 20.5 61.6
 77 29.3 27.0 40.4



Abundance Ion 75.00 (74.70 to 75.70): VF0
 Ion 110.00 (109.70 to 110.70): V
 Ion 77.00 (76.70 to 77.70): VF0





#37

Ethyl Acetate

Concen: 19.360 ug/l

RT: 4.11 min Scan# 353

Delta R.T. -0.02 min

Lab File: VF061696.D

Acq: 21 Feb 2019 14:15

Instrument :

MSVOA_F

ClientSampleId :

VF0221SBS01

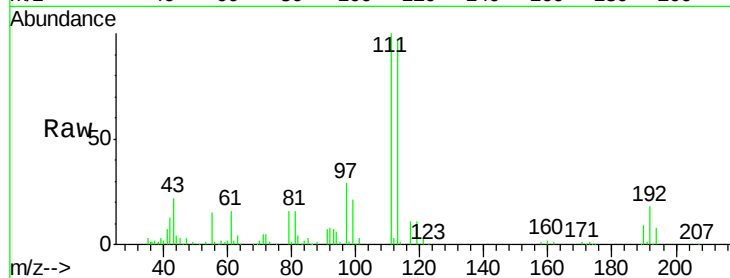
Tot Ion: 43 Resp: 46242

Ion Ratio Lower Upper

43 100

61 75.5 45.7 68.5#

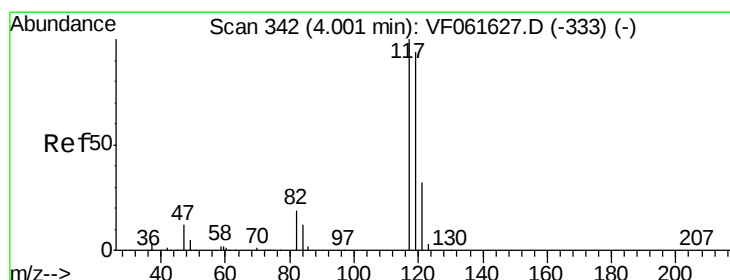
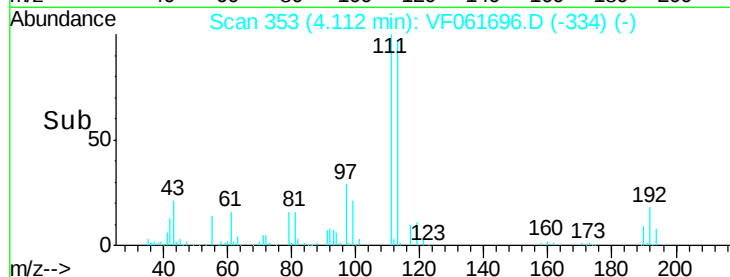
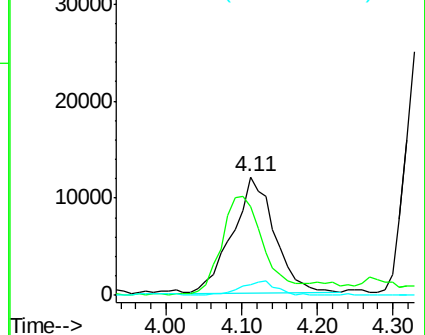
70 9.5 8.5 12.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0



#38

Carbon Tetrachloride

Concen: 21.647 ug/l

RT: 3.99 min Scan# 341

Delta R.T. -0.01 min

Lab File: VF061696.D

Acq: 21 Feb 2019 14:15

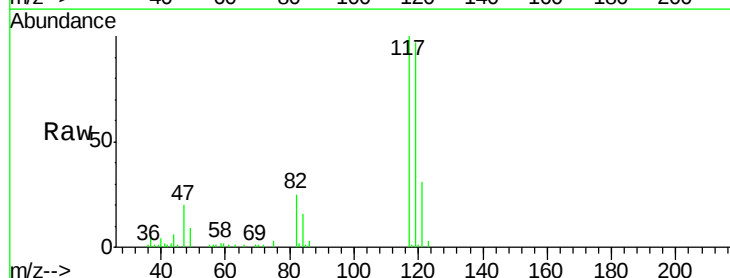
Tgt Ion: 117 Resp: 76869

Ion Ratio Lower Upper

117 100

119 97.4 75.6 113.4

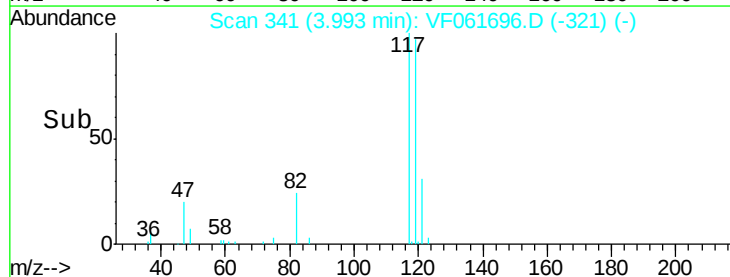
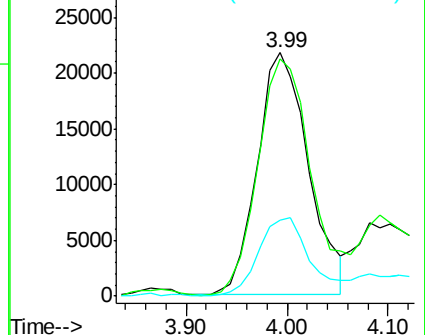
121 31.4 25.2 37.8

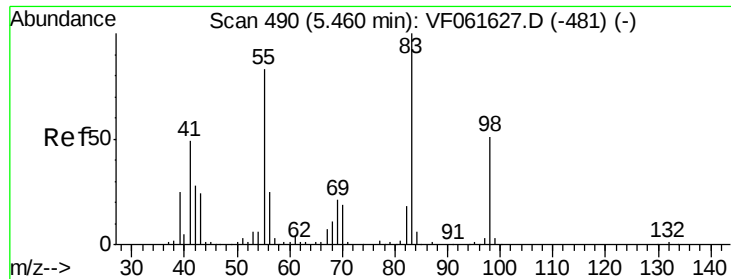


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V

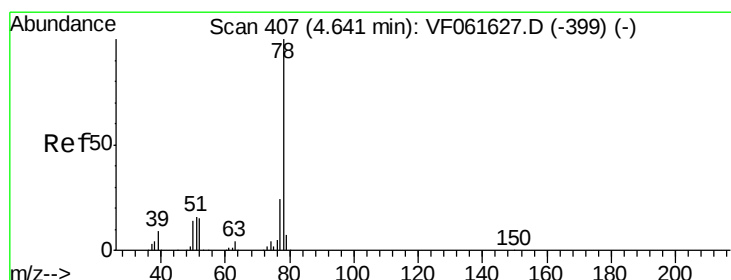
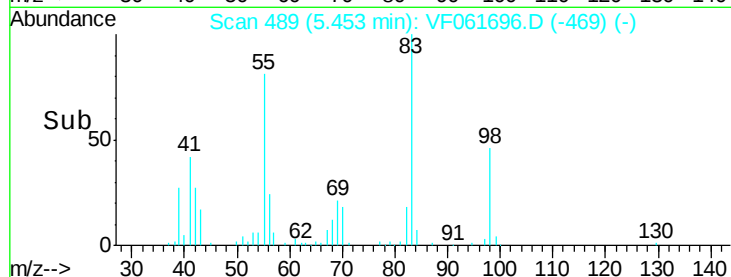
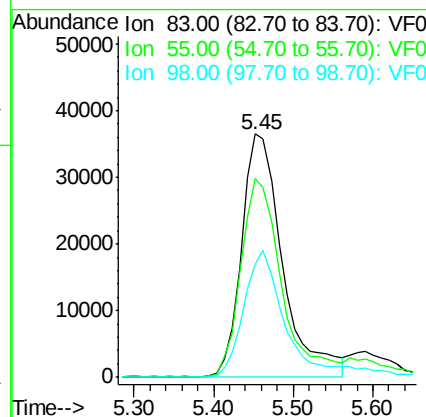
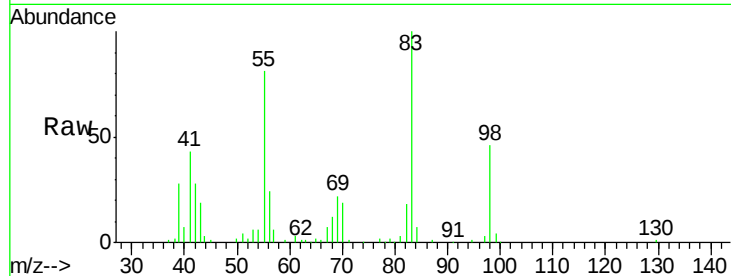




#39
Methvlcvclohexane
Concen: 21.496 ug/l
RT: 5.45 min Scan# 489
Delta R.T. -0.01 min
Lab File: VF061696.D
Acq: 21 Feb 2019 14:15

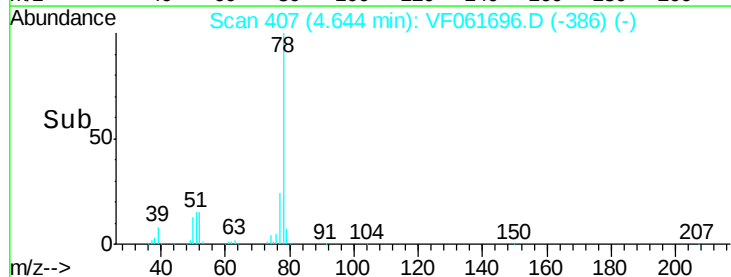
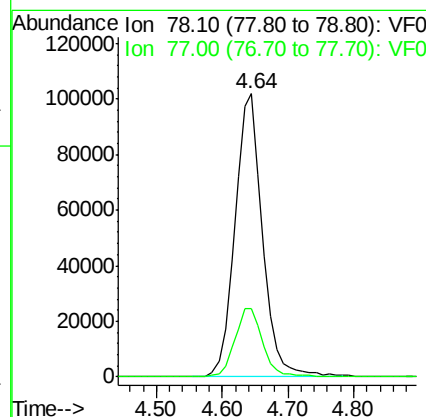
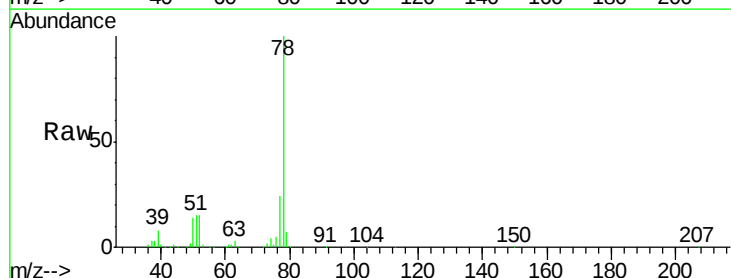
Instrument :
MSVOA_F
ClientSampleId :
VF0221SBS01

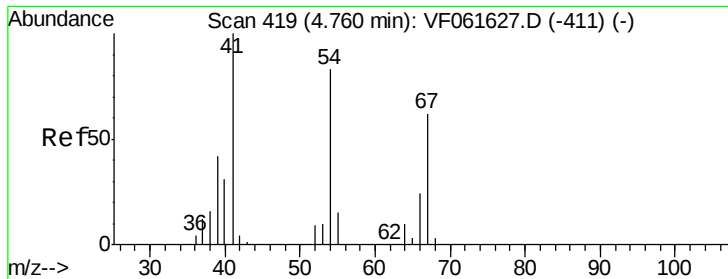
Tot Ion: 83 Resp: 130736
Ion Ratio Lower Upper
83 100
55 81.4 66.6 99.8
98 46.4 40.4 60.6



#40
Benzene
Concen: 22.218 ug/l
RT: 4.64 min Scan# 407
Delta R.T. 0.00 min
Lab File: VF061696.D
Acq: 21 Feb 2019 14:15

Tgt Ion: 78 Resp: 298860
Ion Ratio Lower Upper
78 100
77 24.1 19.0 28.6





#41

Methacrylonitrile

Concen: 21.054 ug/l

RT: 4.75 min Scan# 418

Delta R.T. -0.01 min

Lab File: VF061696.D

Acq: 21 Feb 2019 14:15

Instrument :
MSVOA_F
ClientSampleId :
VF0221SBS01

Tot Ion: 41 Resp: 25718

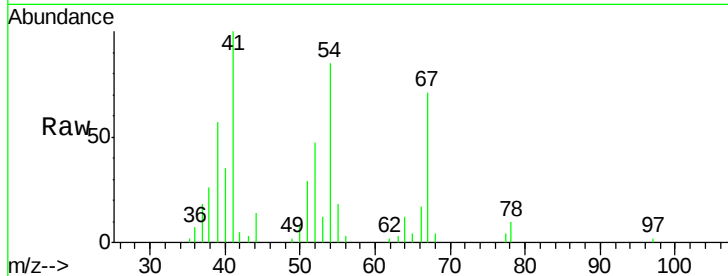
Ion Ratio Lower Upper

41 100

39 56.9 45.3 67.9

67 71.2 49.3 73.9

52 47.5 32.6 49.0

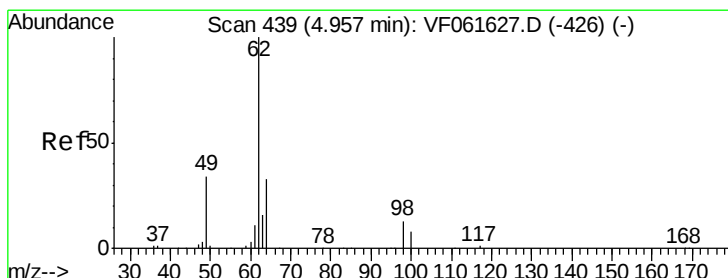
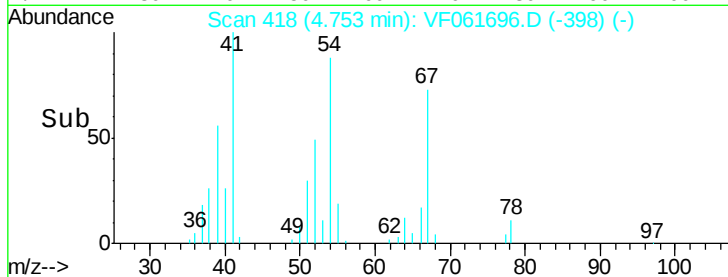
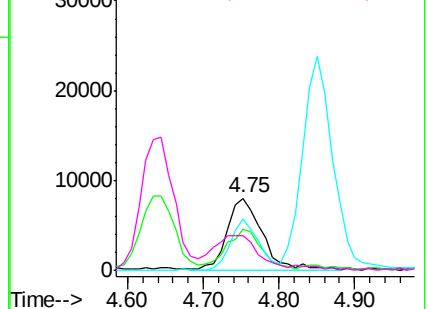


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 20.674 ug/l

RT: 4.95 min Scan# 438

Delta R.T. -0.01 min

Lab File: VF061696.D

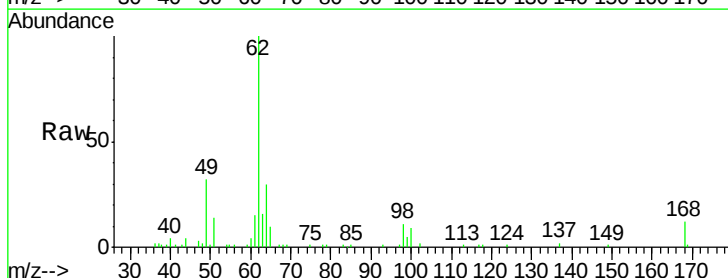
Acq: 21 Feb 2019 14:15

Tgt Ion: 62 Resp: 66521

Ion Ratio Lower Upper

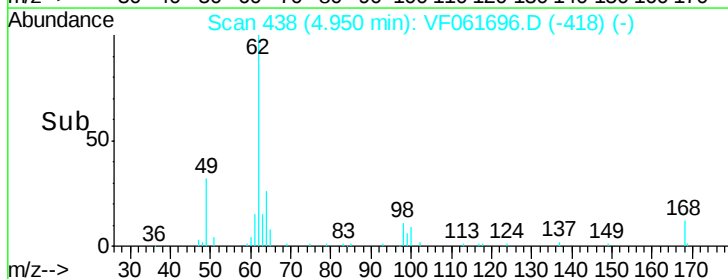
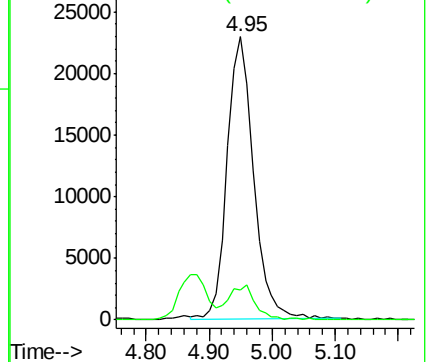
62 100

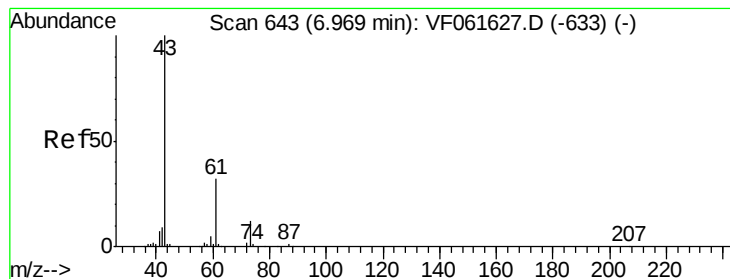
98 10.8 0.0 26.0



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



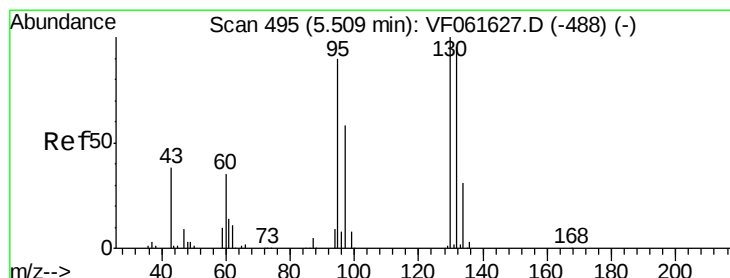
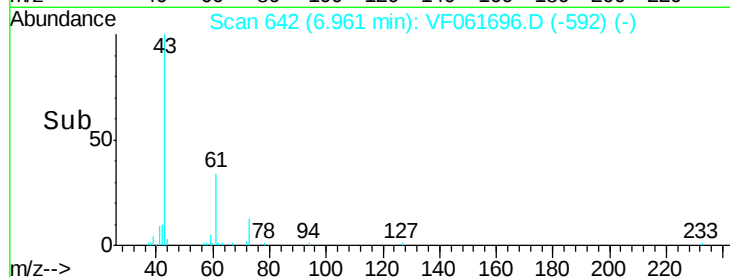
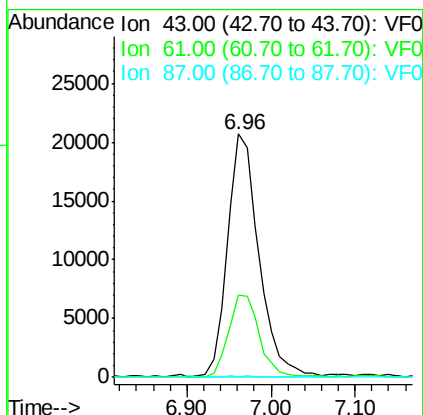
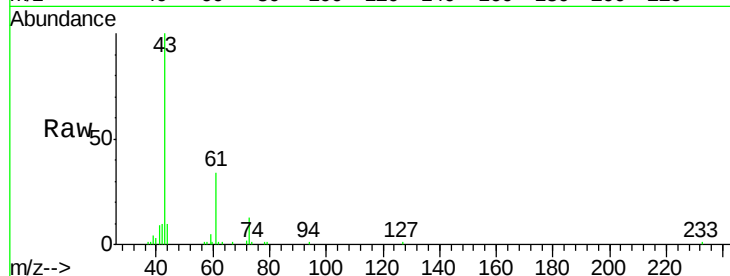


#43

Isopropyl Acetate
 Concen: 19.204 ug/l
 RT: 6.96 min Scan# 642
 Delta R.T. -0.01 min
 Lab File: VF061696.D
 Acq: 21 Feb 2019 14:15

Instrument :
 MSVOA_F
 ClientSampleID :
 VF0221SBS01

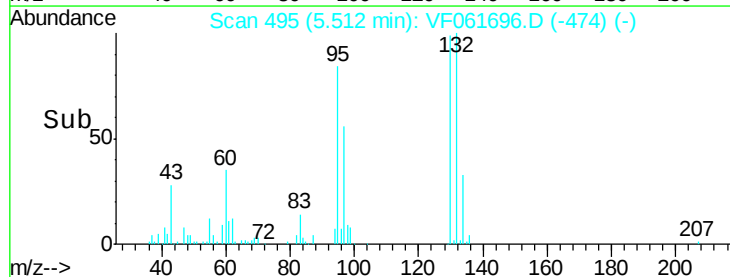
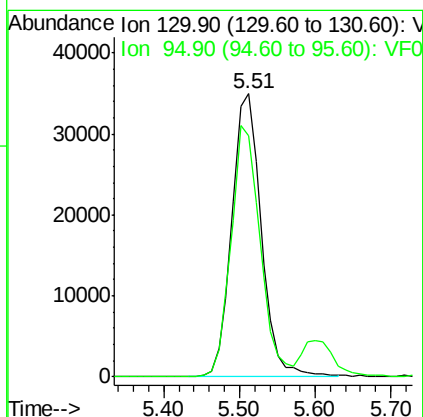
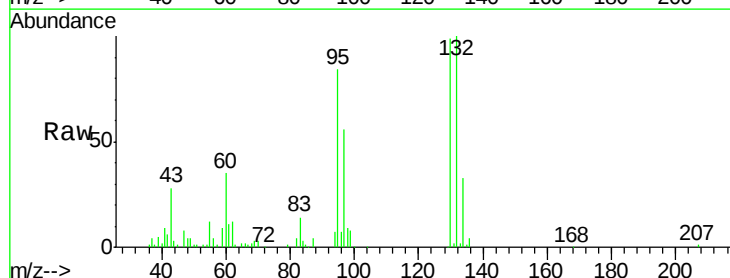
Tot Ion: 43 Resp: 54295
 Ion Ratio Lower Upper
 43 100
 61 33.7 25.8 38.6
 87 0.0 0.4 0.6#

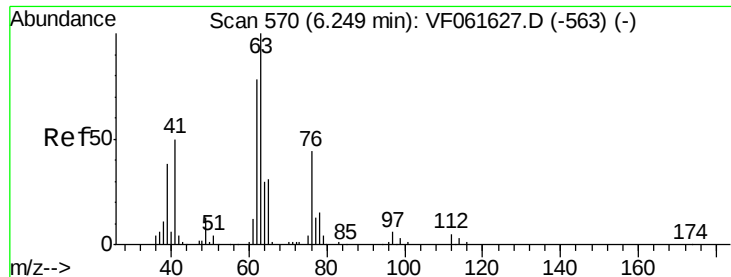


#44

Trichloroethene
 Concen: 21.620 ug/l
 RT: 5.51 min Scan# 495
 Delta R.T. 0.00 min
 Lab File: VF061696.D
 Acq: 21 Feb 2019 14:15

Tgt Ion:130 Resp: 94044
 Ion Ratio Lower Upper
 130 100
 95 85.3 0.0 179.4





#45

1,2-Dichloropropane

Concen: 20.541 ug/l

RT: 6.24 min Scan# 569

Delta R.T. -0.01 min

Lab File: VF061696.D

Acq: 21 Feb 2019 14:15

Instrument :

MSVOA_F

ClientSampleId :

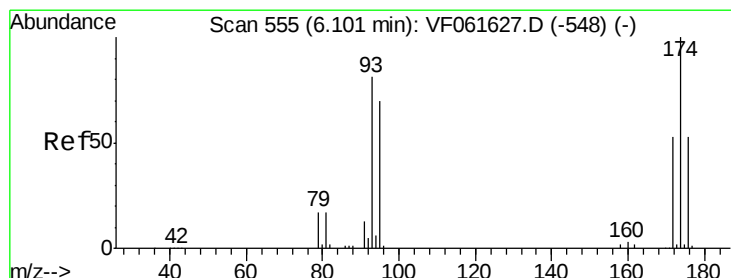
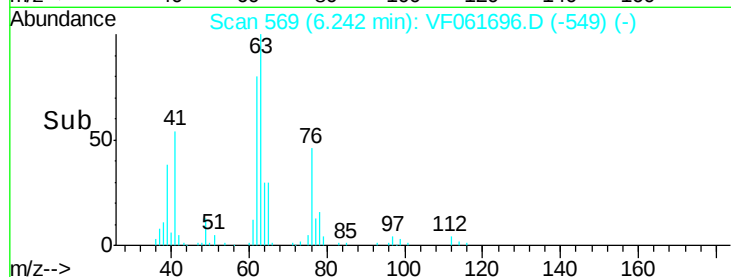
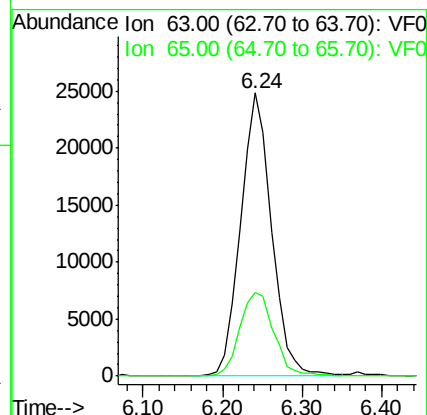
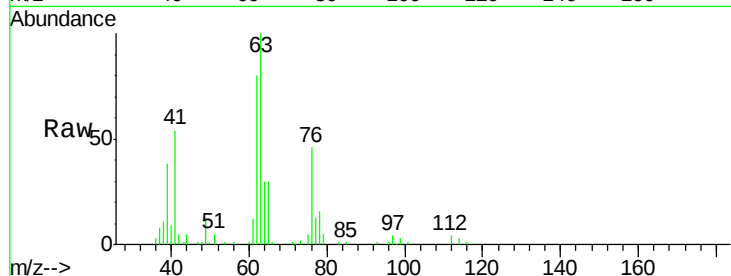
VF0221SBS01

Tot Ion: 63 Resp: 66785

Ion Ratio Lower Upper

63 100

65 29.7 24.9 37.3



#46

Dibromomethane

Concen: 20.622 ug/l

RT: 6.09 min Scan# 554

Delta R.T. -0.01 min

Lab File: VF061696.D

Acq: 21 Feb 2019 14:15

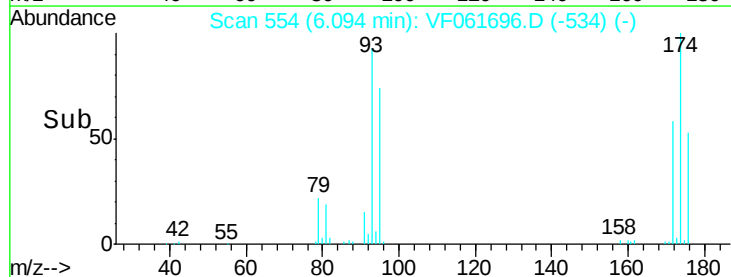
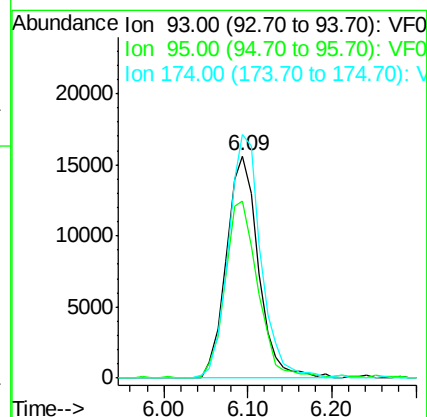
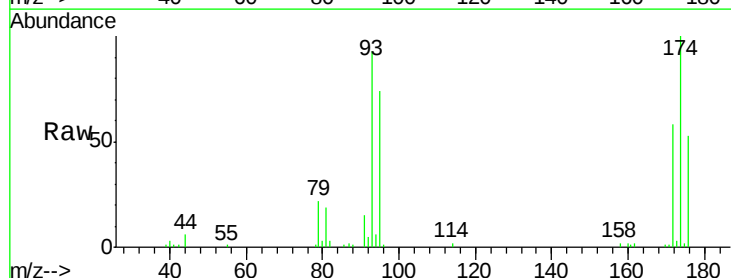
Tgt Ion: 93 Resp: 41283

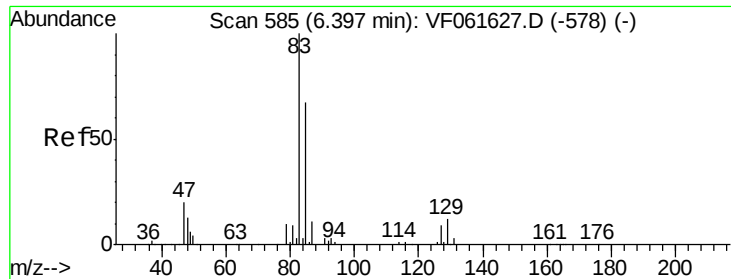
Ion Ratio Lower Upper

93 100

95 79.8 69.0 103.6

174 109.6 99.3 148.9





#47

Bromodichloromethane

Concen: 20.962 ug/l

RT: 6.39 min Scan# 584

Delta R.T. -0.01 min

Lab File: VF061696.D

Acq: 21 Feb 2019 14:15

Instrument :

MSVOA_F

ClientSampleId :

VF0221SBS01

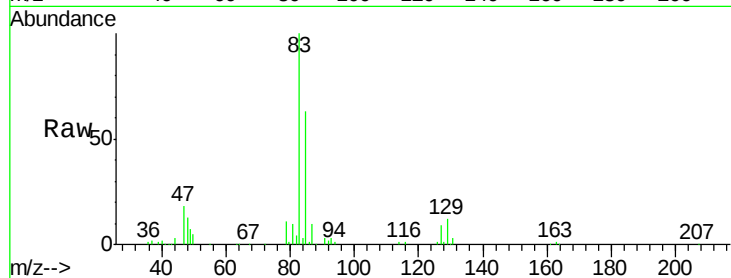
Tot Ion: 83 Resp: 91896

Ion Ratio Lower Upper

83 100

85 63.1 53.4 80.2

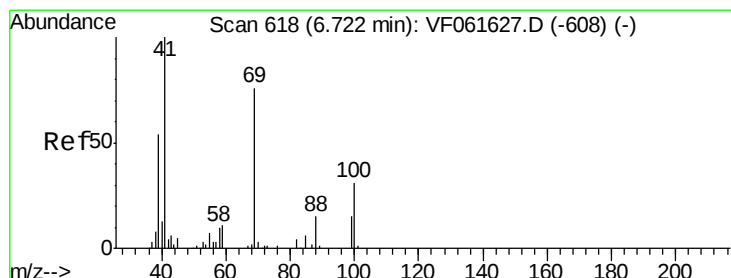
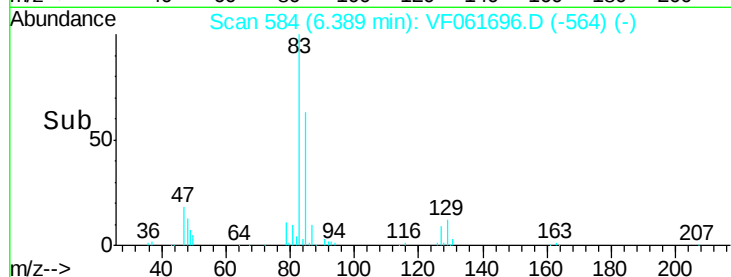
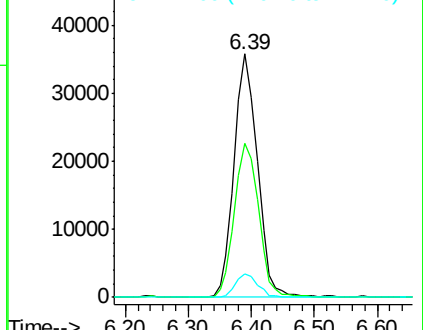
127 9.4 7.5 11.3



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 19.211 ug/l

RT: 6.72 min Scan# 618

Delta R.T. 0.00 min

Lab File: VF061696.D

Acq: 21 Feb 2019 14:15

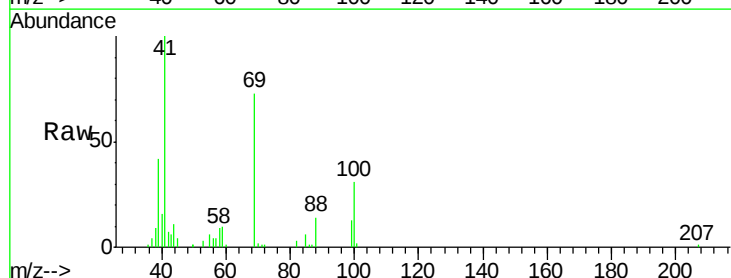
Tgt Ion: 41 Resp: 32687

Ion Ratio Lower Upper

41 100

69 72.5 60.4 90.6

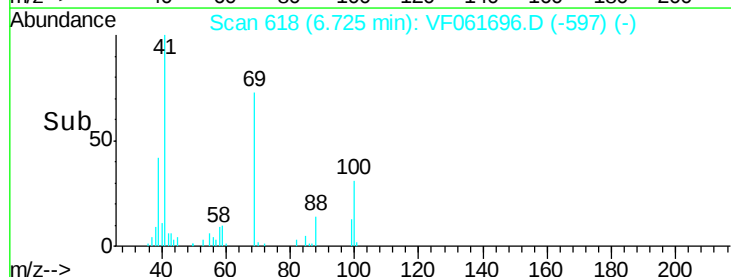
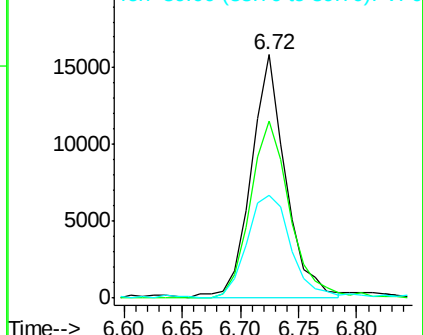
39 42.5 43.7 65.5#

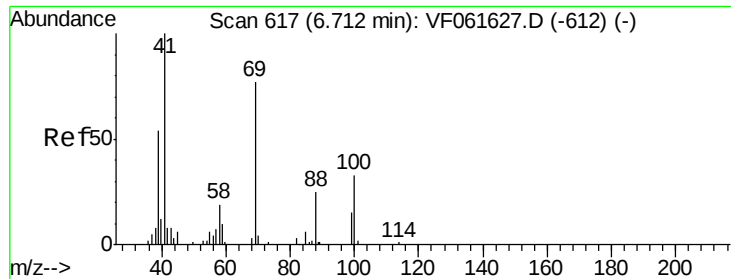


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

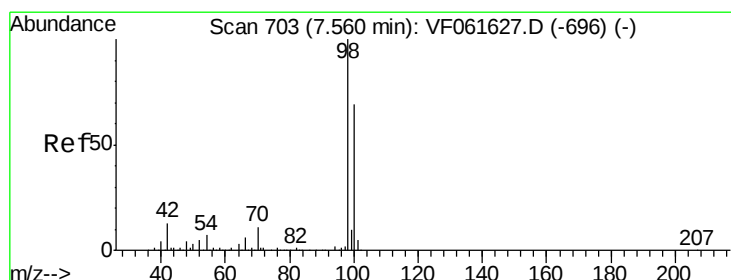
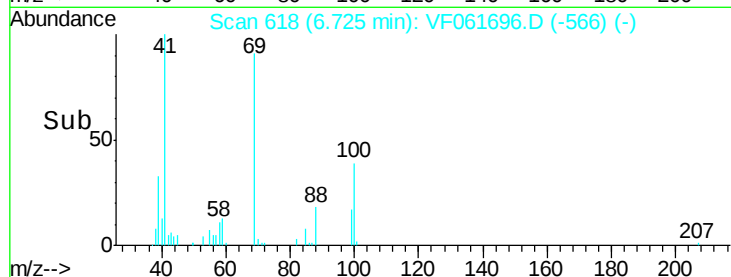
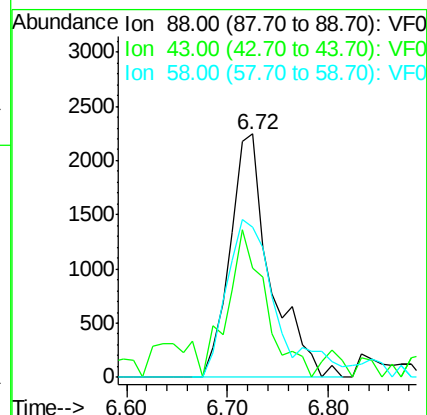
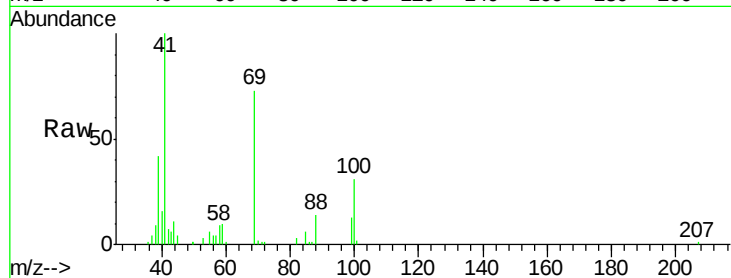




#49
1,4-Dioxane
Concen: 389.257 ug/l
RT: 6.72 min Scan# 618
Delta R.T. 0.01 min
Lab File: VF061696.D
Acq: 21 Feb 2019 14:15

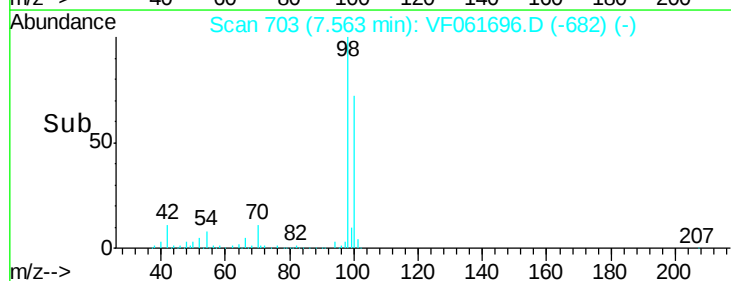
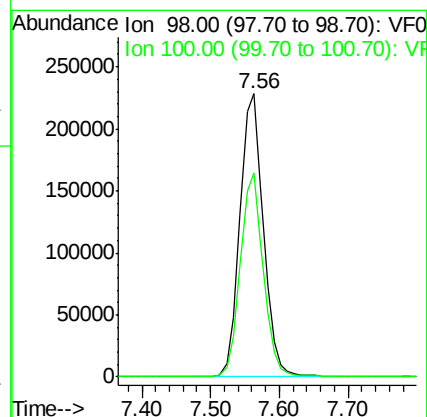
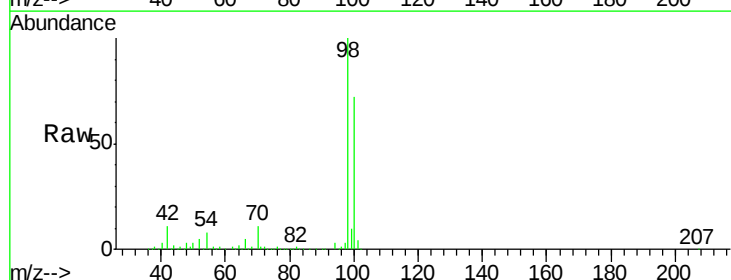
Instrument :
MSVOA_F
ClientSampleId :
VF0221SBS01

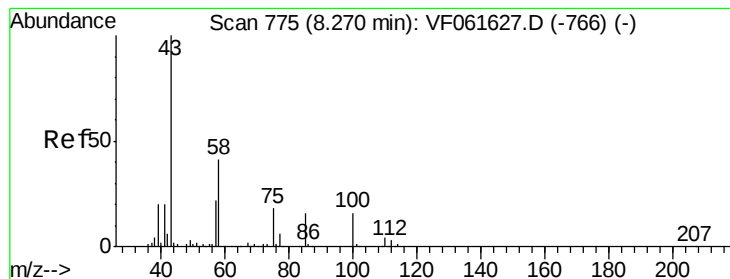
Tot Ion: 88 Resp: 6226
Ion Ratio Lower Upper
88 100
43 44.9 32.3 48.5
58 61.5 59.4 89.2



#50
Toluene-d8
Concen: 48.763 ug/l
RT: 7.56 min Scan# 703
Delta R.T. 0.00 min
Lab File: VF061696.D
Acq: 21 Feb 2019 14:15

Tgt Ion: 98 Resp: 540398
Ion Ratio Lower Upper
98 100
100 72.0 55.4 83.2





#51

4-Methyl-2-Pentanone

Concen: 96.136 ug/l

RT: 8.26 min Scan# 774

Delta R.T. -0.01 min

Lab File: VF061696.D

Acq: 21 Feb 2019 14:15

Instrument :

MSVOA_F

ClientSampleId :

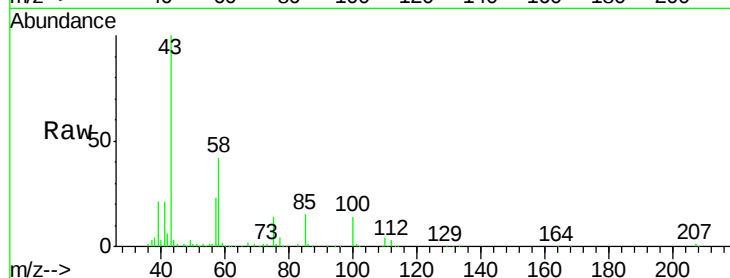
VF0221SBS01

Tot Ion: 43 Resp: 194216

Ion Ratio Lower Upper

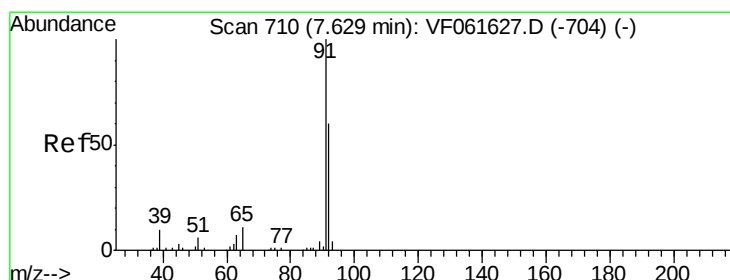
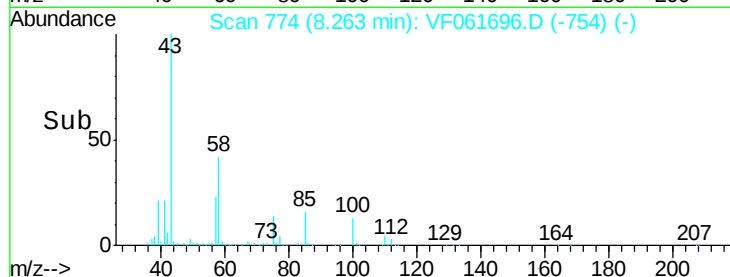
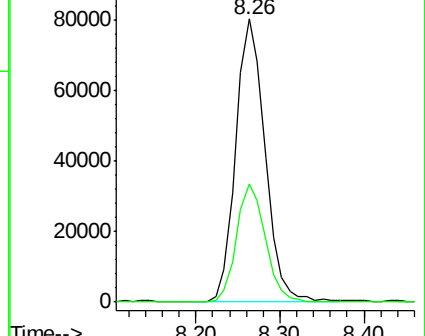
43 100

58 41.8 33.1 49.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 20.562 ug/l

RT: 7.63 min Scan# 710

Delta R.T. 0.00 min

Lab File: VF061696.D

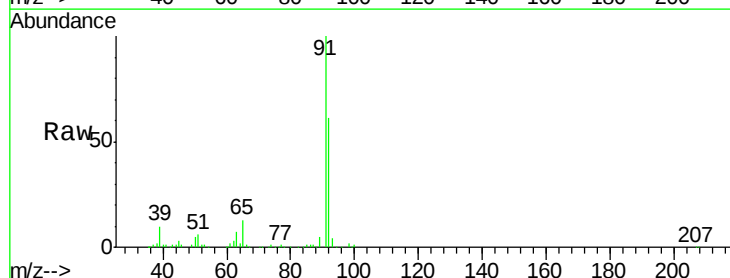
Acq: 21 Feb 2019 14:15

Tgt Ion: 92 Resp: 167740

Ion Ratio Lower Upper

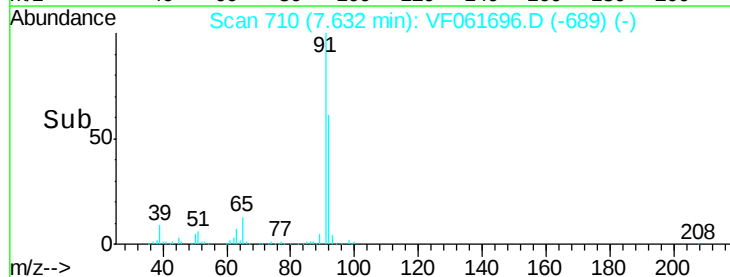
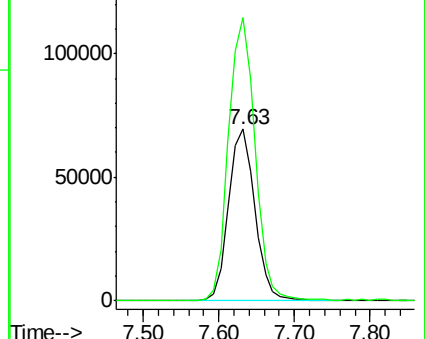
92 100

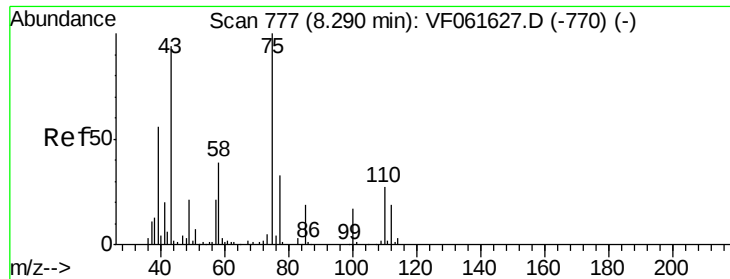
91 165.1 133.9 200.9



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

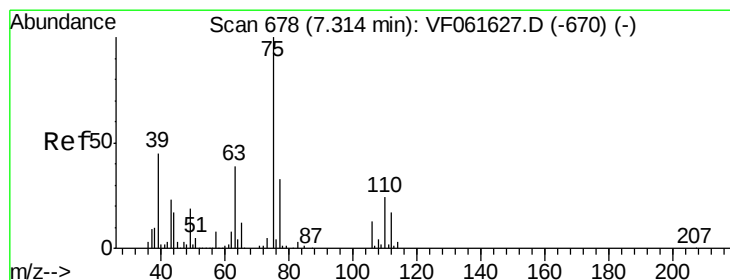
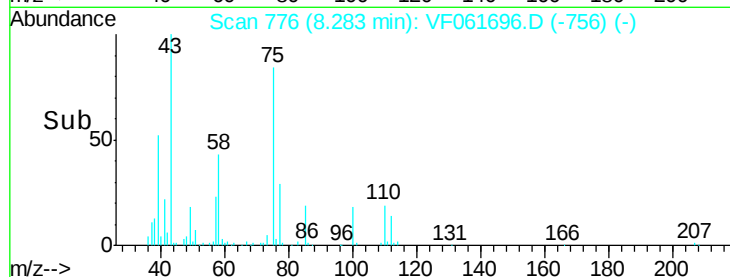
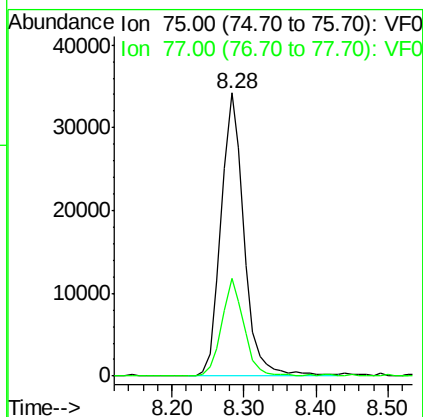
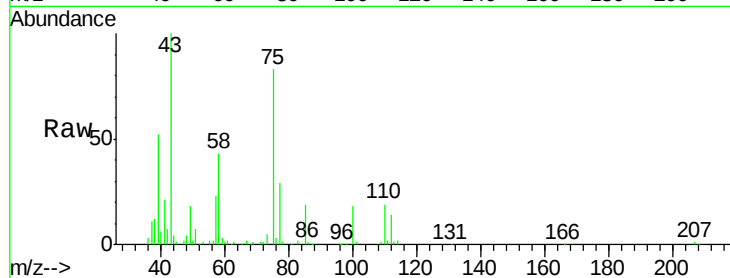




#53
 t-1,3-Dichloropropene
 Concen: 20.806 ug/l
 RT: 8.28 min Scan# 776
 Delta R.T. -0.01 min
 Lab File: VF061696.D
 Acq: 21 Feb 2019 14:15

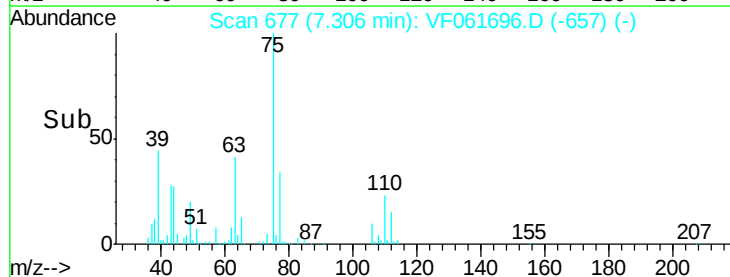
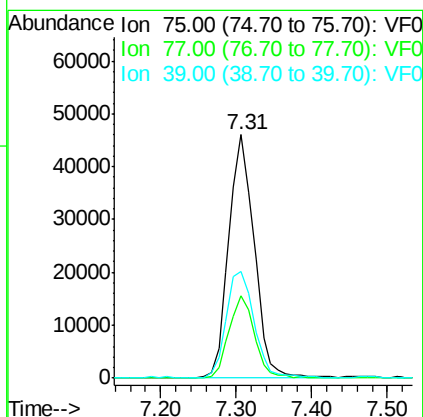
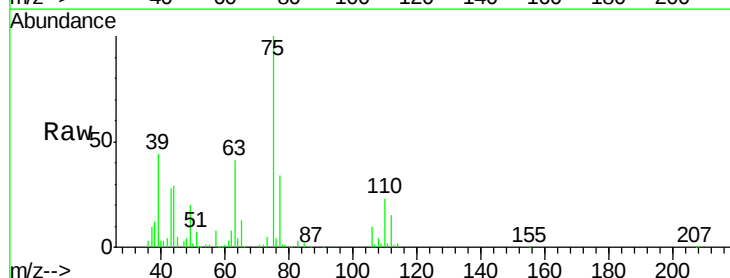
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0221SBS01

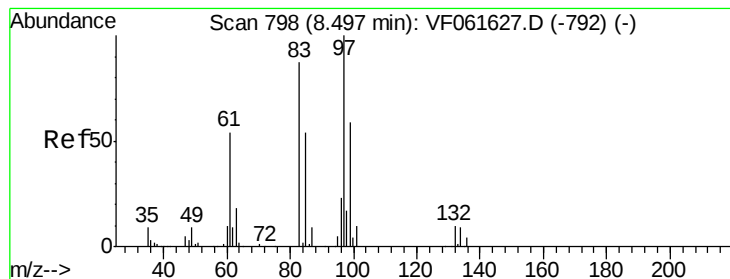
Tot Ion: 75 Resp: 75913
 Ion Ratio Lower Upper
 75 100
 77 34.4 26.2 39.2



#54
 cis-1,3-Dichloropropene
 Concen: 22.124 ug/l
 RT: 7.31 min Scan# 677
 Delta R.T. -0.01 min
 Lab File: VF061696.D
 Acq: 21 Feb 2019 14:15

Tgt Ion: 75 Resp: 107520
 Ion Ratio Lower Upper
 75 100
 77 33.7 26.4 39.6
 39 43.8 36.0 54.0





#55

1,1,2-Trichloroethane

Concen: 20.951 ug/l

RT: 8.50 min Scan# 798

Delta R.T. 0.00 min

Lab File: VF061696.D

Acq: 21 Feb 2019 14:15

Instrument :

MSVOA_F

ClientSampleId :

VF0221SBS01

Tot Ion: 97 Resp: 50216

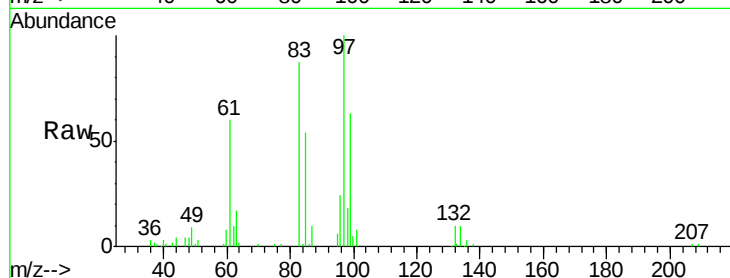
Ion Ratio Lower Upper

97 100

83 87.1 69.2 103.8

85 53.8 43.0 64.4

99 62.8 47.2 70.8

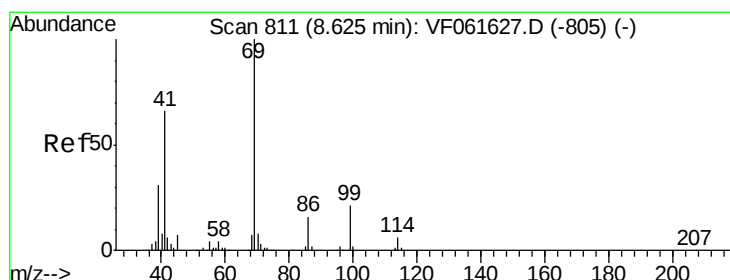
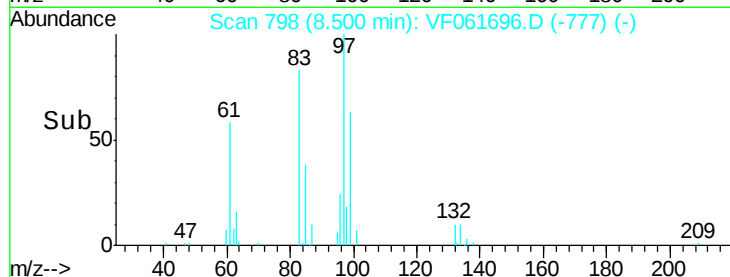
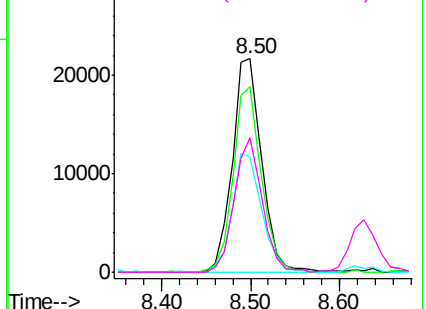


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 20.827 ug/l

RT: 8.63 min Scan# 811

Delta R.T. 0.00 min

Lab File: VF061696.D

Acq: 21 Feb 2019 14:15

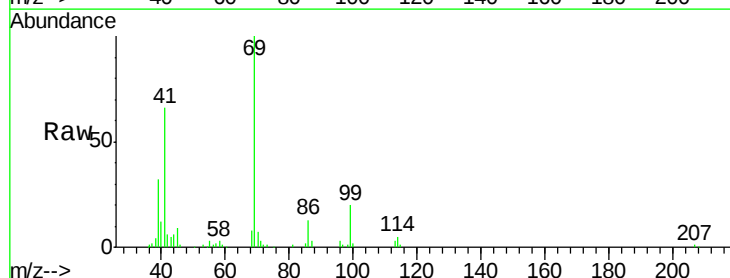
Tgt Ion: 69 Resp: 55578

Ion Ratio Lower Upper

69 100

41 66.4 52.9 79.3

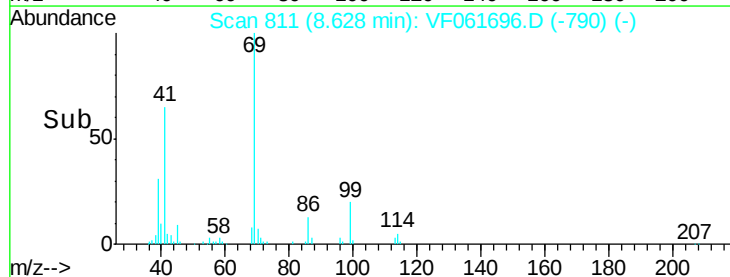
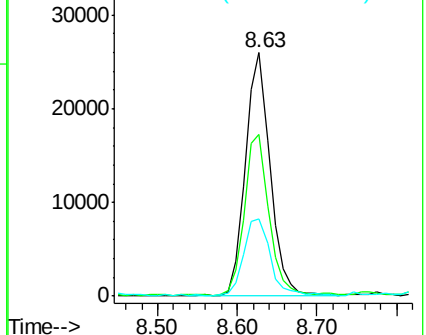
39 31.9 24.5 36.7

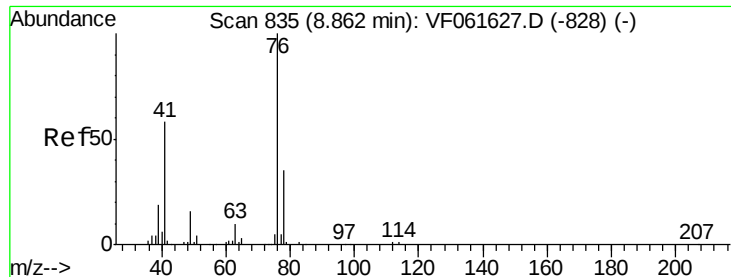


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 20.448 ug/l

RT: 8.85 min Scan# 834

Delta R.T. -0.01 min

Lab File: VF061696.D

Acq: 21 Feb 2019 14:15

Instrument :

MSVOA_F

ClientSampleId :

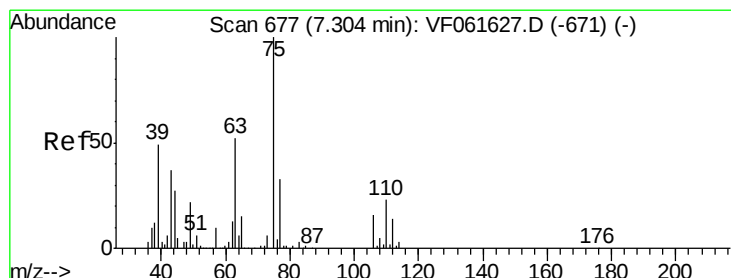
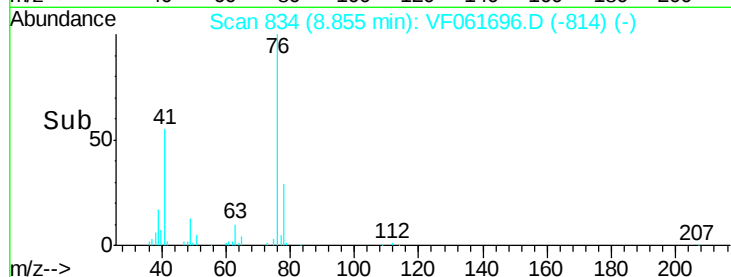
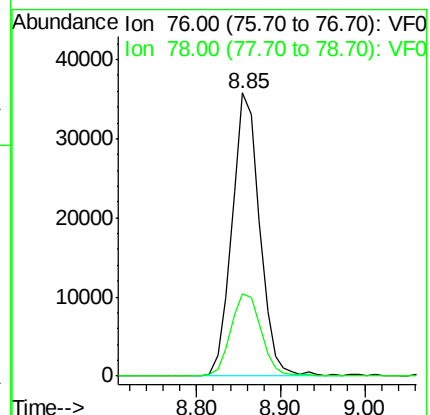
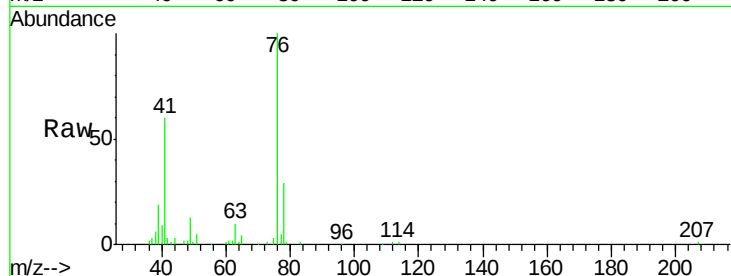
VF0221SBS01

Tot Ion: 76 Resp: 81805

Ion Ratio Lower Upper

76 100

78 29.2 27.8 41.6



#58

2-Chloroethyl Vinyl ether

Concen: 101.054 ug/l

RT: 7.30 min Scan# 676

Delta R.T. -0.01 min

Lab File: VF061696.D

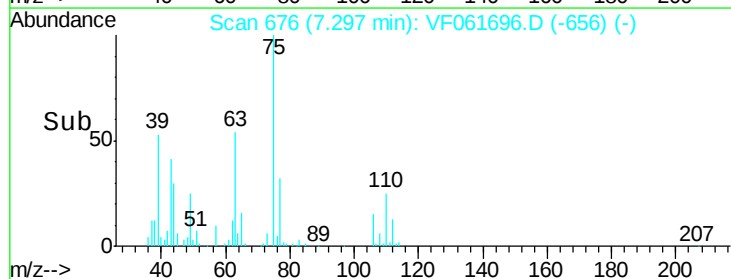
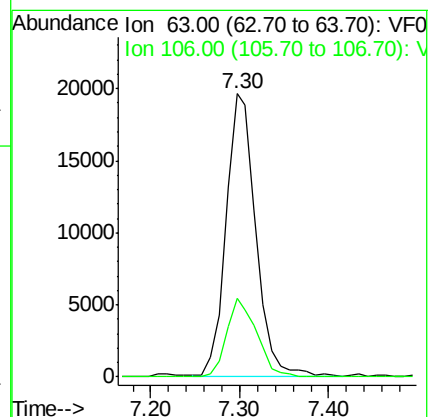
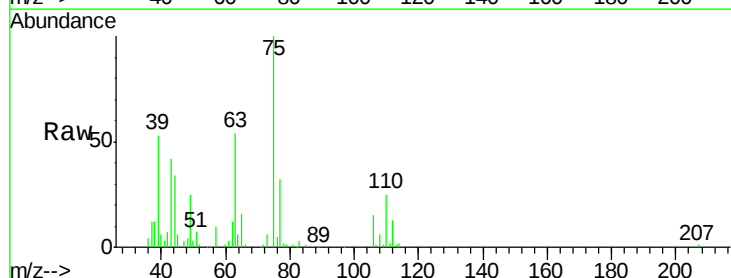
Acq: 21 Feb 2019 14:15

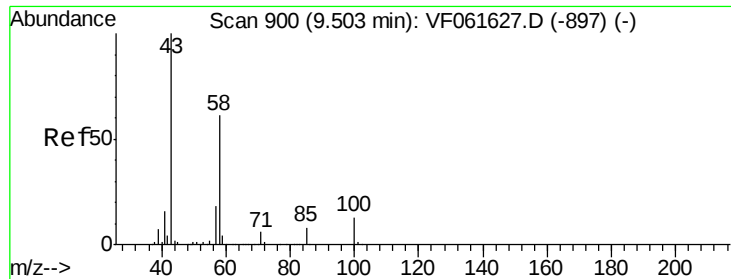
Tgt Ion: 63 Resp: 46528

Ion Ratio Lower Upper

63 100

106 27.8 24.6 36.8

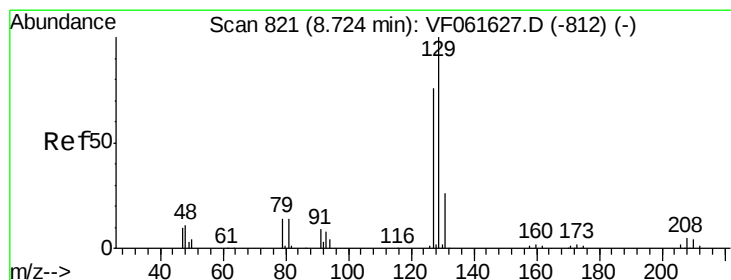
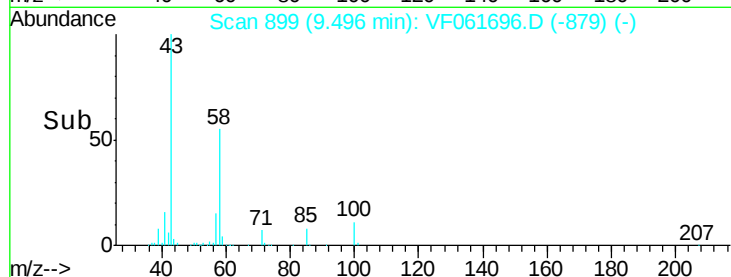
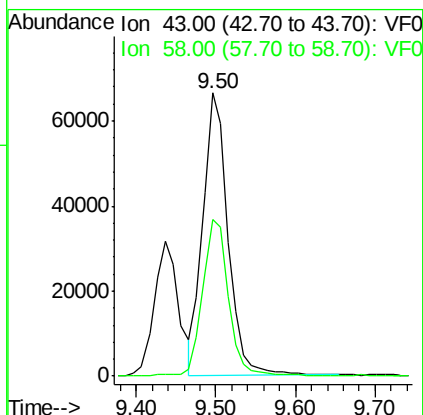
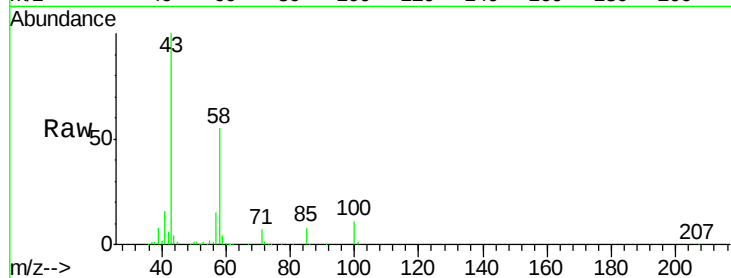




#59
2-Hexanone
Concen: 102.718 ug/l
RT: 9.50 min Scan# 899
Delta R.T. -0.01 min
Lab File: VF061696.D
Acq: 21 Feb 2019 14:15

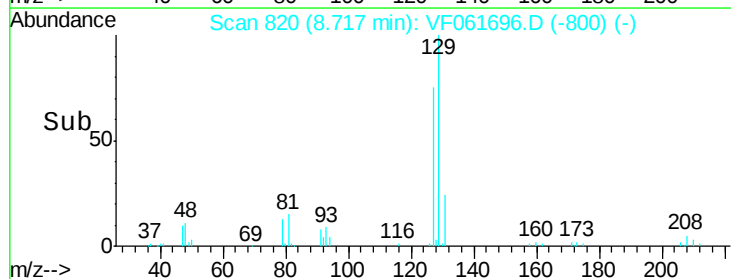
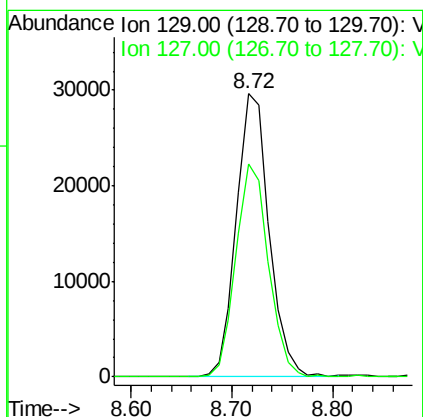
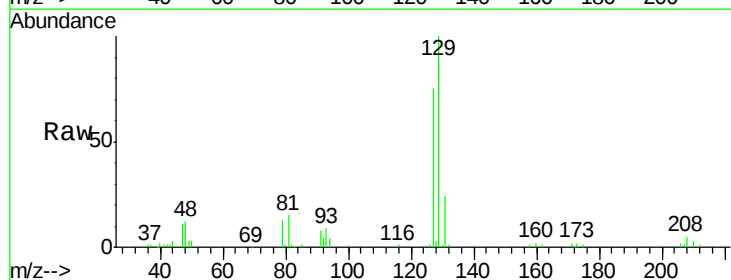
Instrument :
MSVOA_F
ClientSampleId :
VF0221SBS01

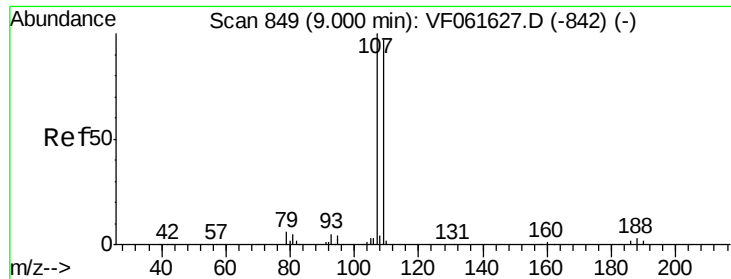
Tot Ion: 43 Resp: 145461
Ion Ratio Lower Upper
43 100
58 55.2 28.5 85.5



#60
Dibromochloromethane
Concen: 20.172 ug/l
RT: 8.72 min Scan# 820
Delta R.T. -0.01 min
Lab File: VF061696.D
Acq: 21 Feb 2019 14:15

Tgt Ion: 129 Resp: 67295
Ion Ratio Lower Upper
129 100
127 75.2 37.8 113.4





#61

1,2-Dibromoethane

Concen: 19.483 ug/l

RT: 8.99 min Scan# 848

Delta R.T. -0.01 min

Lab File: VF061696.D

Acq: 21 Feb 2019 14:15

Instrument :

MSVOA_F

ClientSampleId :

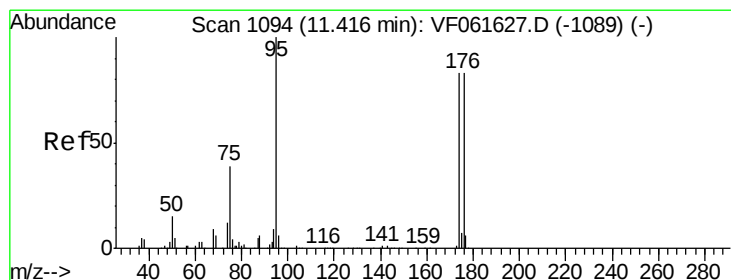
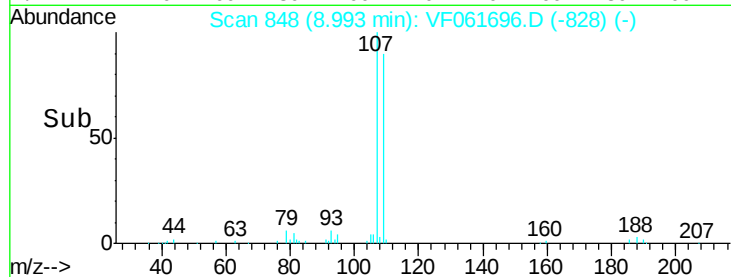
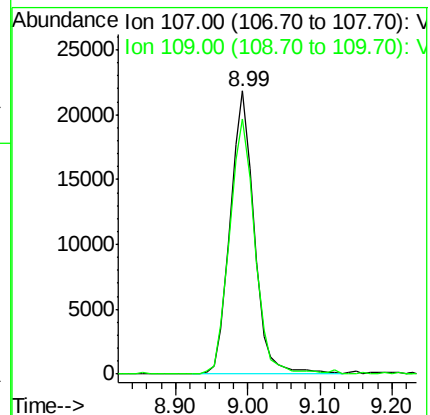
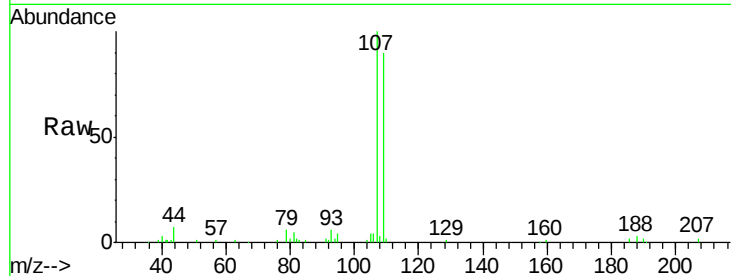
VF0221SBS01

Tot Ion:107 Resp: 50650

Ion Ratio Lower Upper

107 100

109 90.3 77.4 116.0



#62

4-Bromofluorobenzene

Concen: 46.673 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.01 min

Lab File: VF061696.D

Acq: 21 Feb 2019 14:15

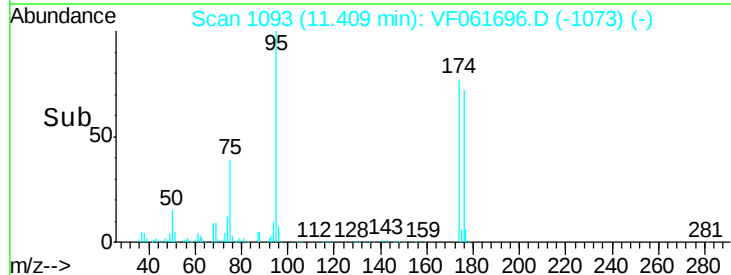
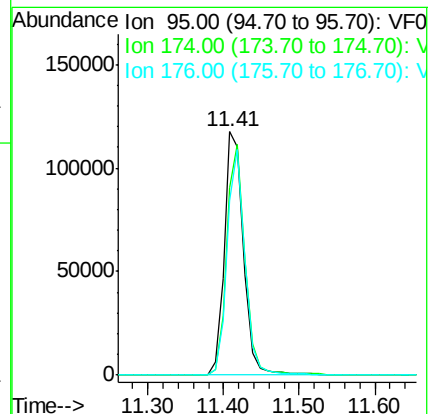
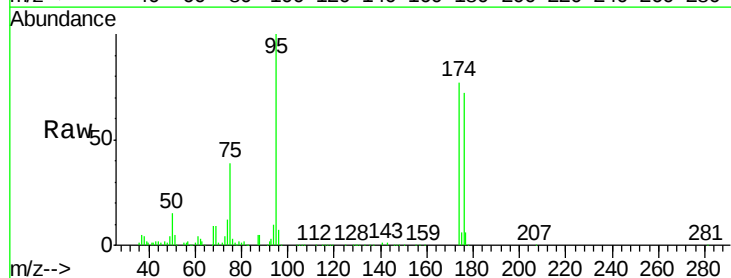
Tgt Ion: 95 Resp: 209284

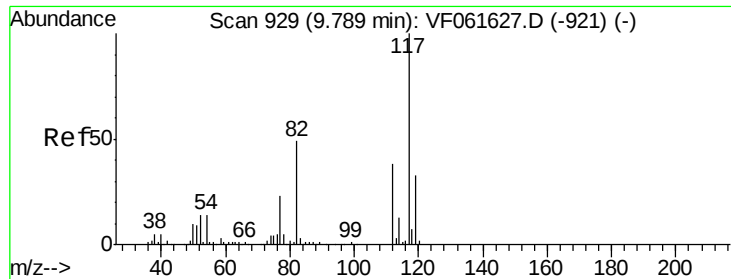
Ion Ratio Lower Upper

95 100

174 77.0 0.0 165.8

176 71.9 0.0 167.0

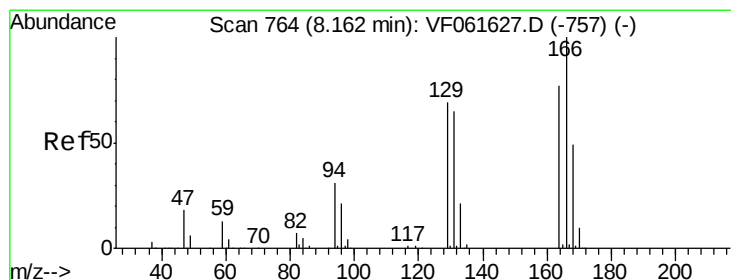
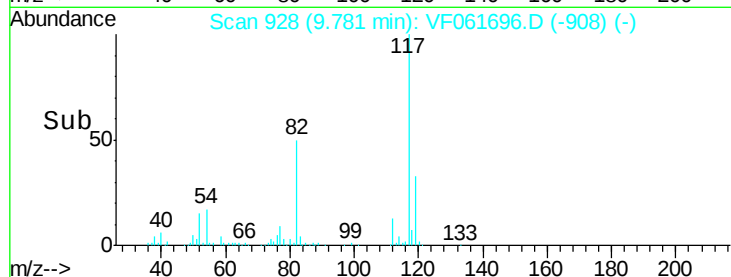
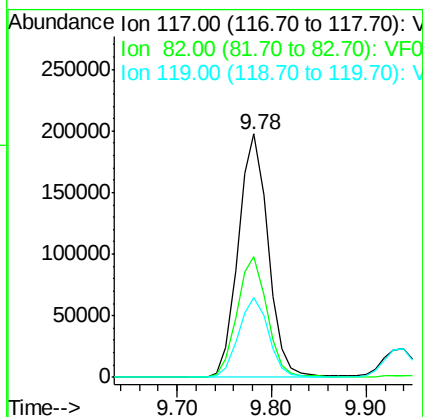
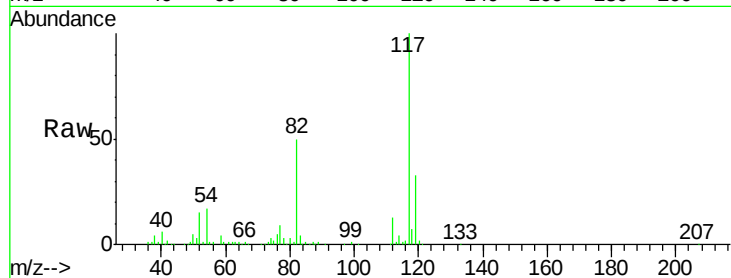




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.78 min Scan# 928
Delta R.T. -0.01 min
Lab File: VF061696.D
Acq: 21 Feb 2019 14:15

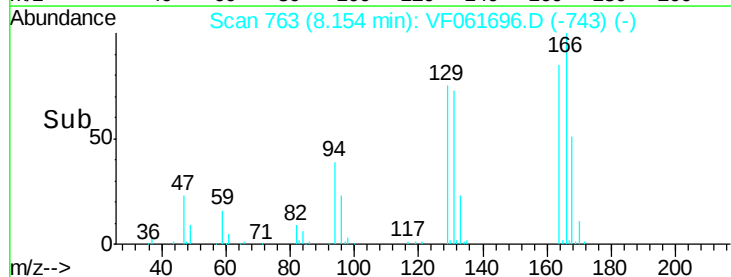
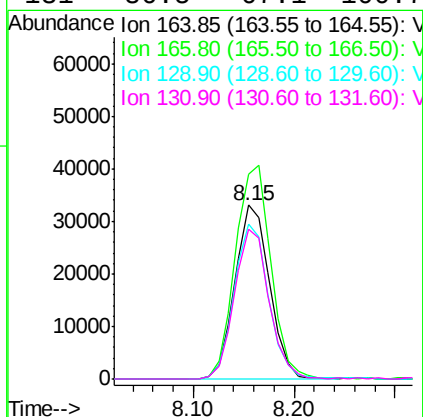
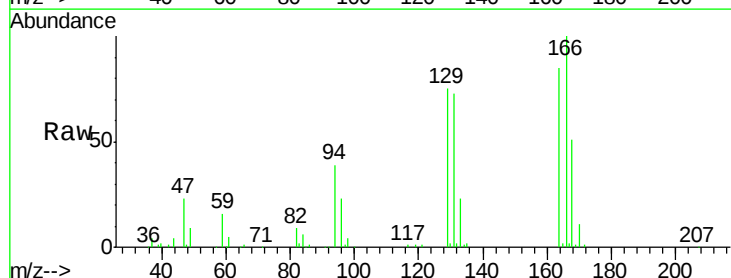
Instrument :
MSVOA_F
ClientSampleId :
VF0221SBS01

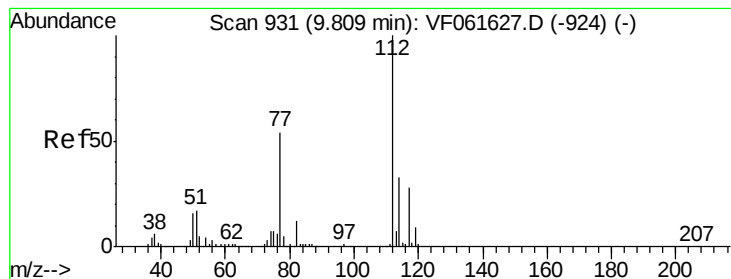
Tot Ion	Ratio	Lower	Upper
117	100		
82	49.9	39.3	58.9
119	32.7	26.6	40.0



#64
Tetrachloroethene
Concen: 22.309 ug/l
RT: 8.15 min Scan# 763
Delta R.T. -0.01 min
Lab File: VF061696.D
Acq: 21 Feb 2019 14:15

Tgt Ion	Ratio	Lower	Upper
164	100		
166	118.0	103.9	155.9
129	88.9	71.3	106.9
131	86.5	67.1	100.7





#65

Chlorobenzene

Concen: 22.261 ug/l

RT: 9.80 min Scan# 930

Delta R.T. -0.01 min

Lab File: VF061696.D

Acq: 21 Feb 2019 14:15

Instrument :

MSVOA_F

ClientSampleId :

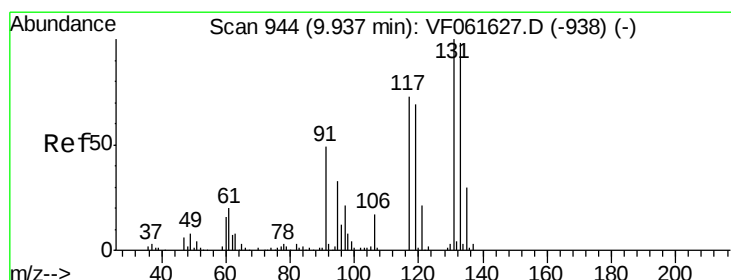
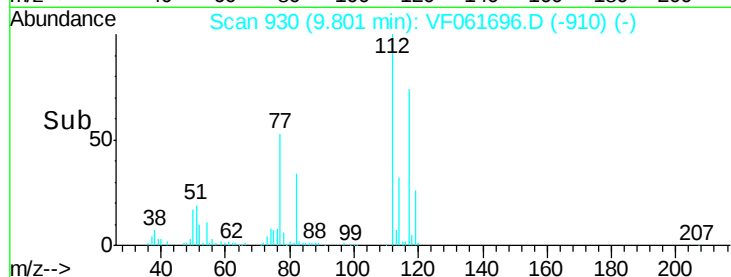
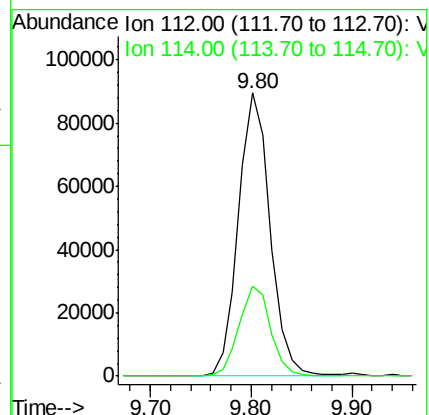
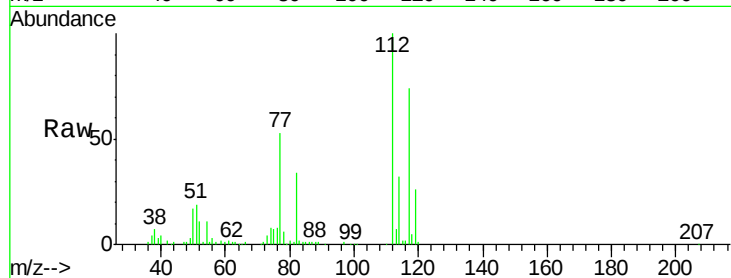
VF0221SBS01

Tot Ion:112 Resp: 195823

Ion Ratio Lower Upper

112 100

114 31.8 26.2 39.2



#66

1,1,1,2-Tetrachloroethane

Concen: 22.020 ug/l

RT: 9.94 min Scan# 944

Delta R.T. 0.00 min

Lab File: VF061696.D

Acq: 21 Feb 2019 14:15

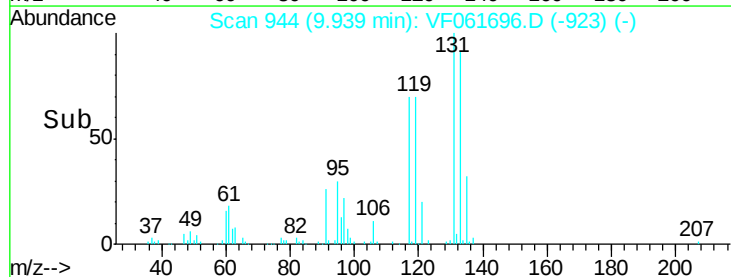
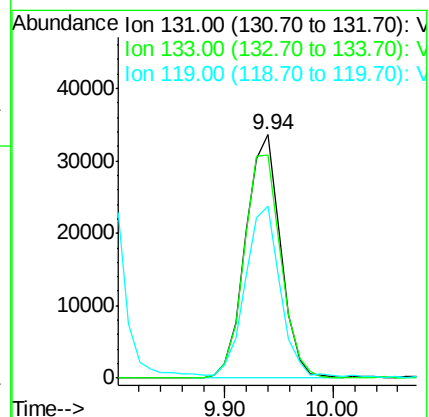
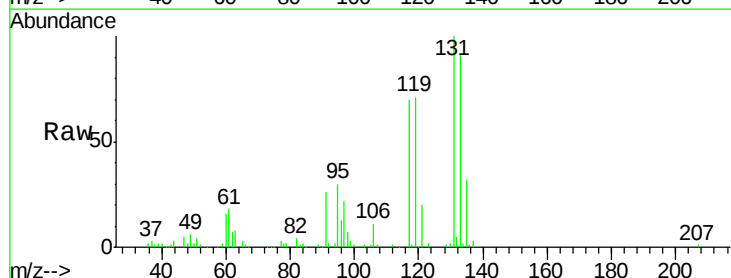
Tgt Ion:131 Resp: 75904

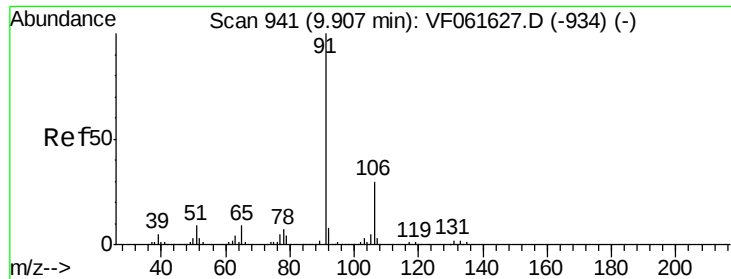
Ion Ratio Lower Upper

131 100

133 91.4 48.9 146.6

119 70.5 34.8 104.3





#67

Ethyl Benzene

Concen: 22.212 ug/l

RT: 9.91 min Scan# 941

Delta R.T. 0.00 min

Lab File: VF061696.D

Acq: 21 Feb 2019 14:15

Instrument :

MSVOA_F

ClientSampleId :

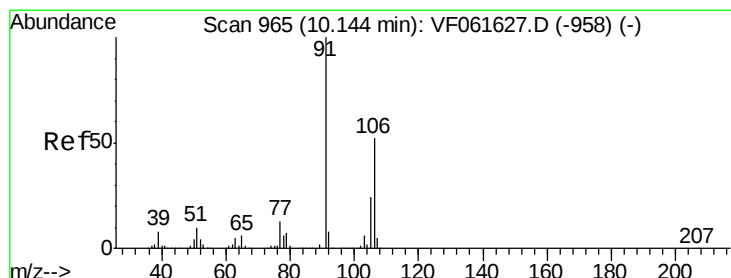
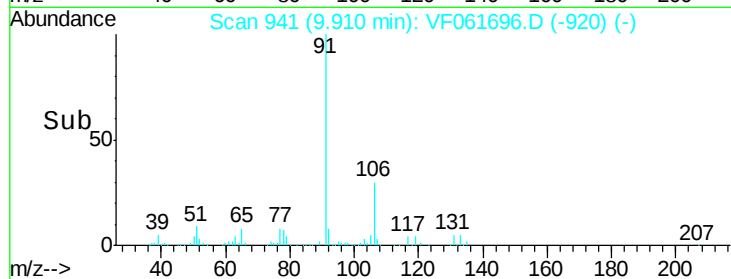
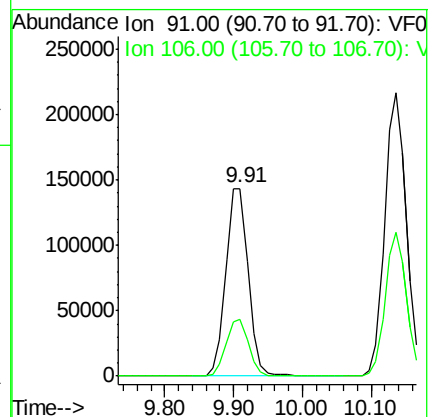
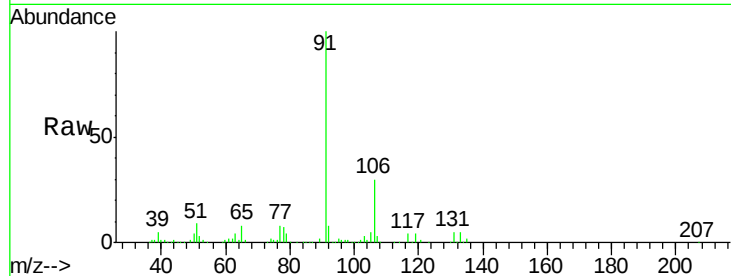
VF0221SBS01

Tot Ion: 91 Resp: 324946

Ion Ratio Lower Upper

91 100

106 30.5 24.1 36.1



#68

m/p-Xylenes

Concen: 42.967 ug/l

RT: 10.14 min Scan# 964

Delta R.T. -0.01 min

Lab File: VF061696.D

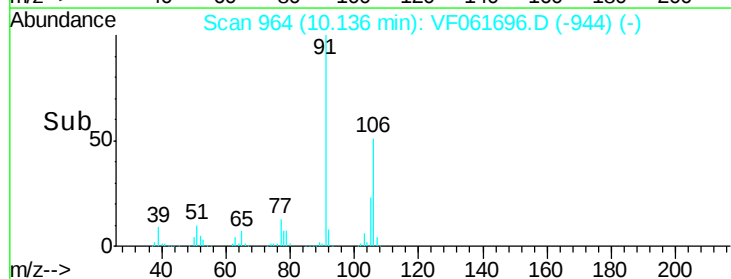
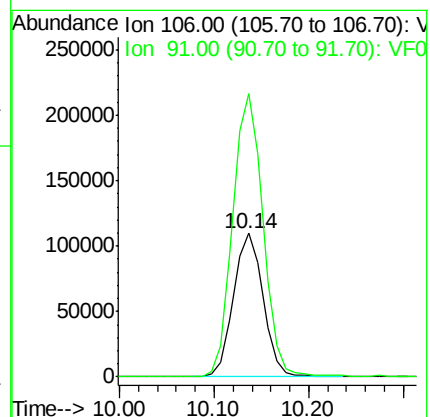
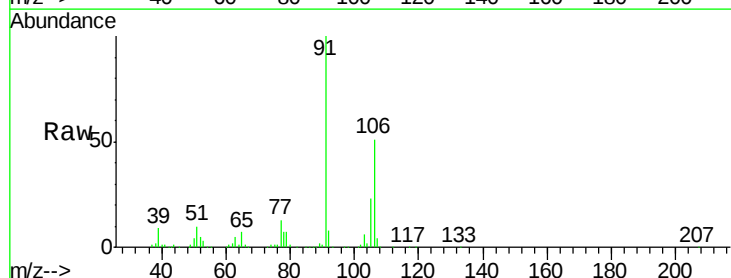
Acq: 21 Feb 2019 14:15

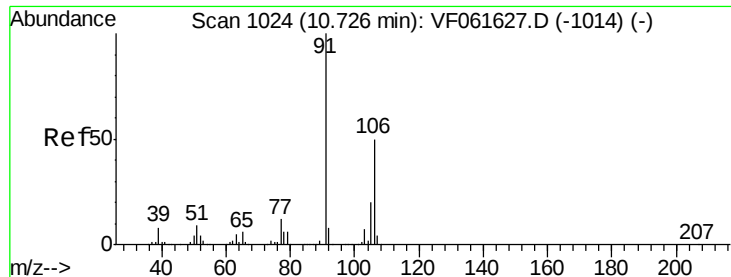
Tgt Ion: 106 Resp: 240562

Ion Ratio Lower Upper

106 100

91 197.1 153.0 229.6

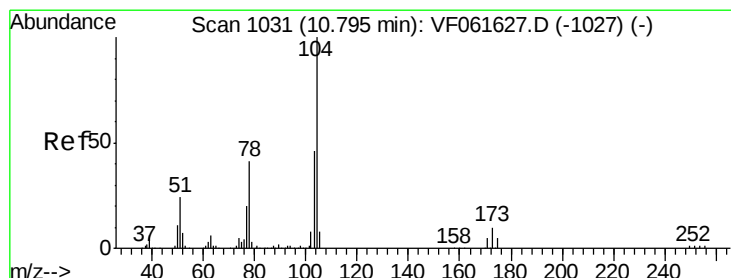
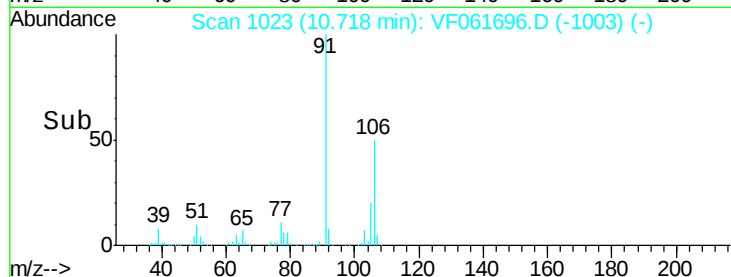
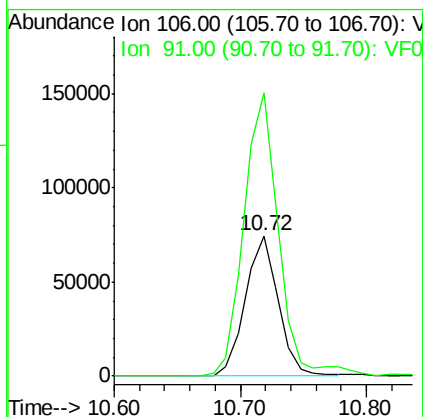
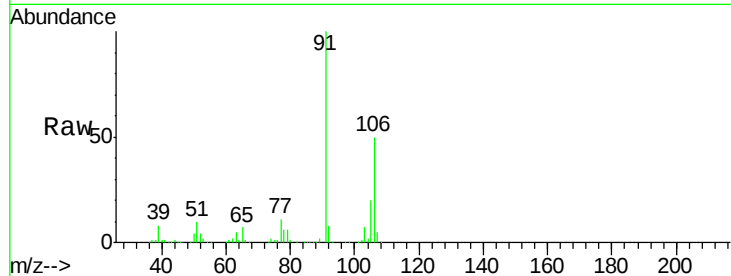




#69
o-Xylene
Concen: 22.641 ug/l
RT: 10.72 min Scan# 1023
Delta R.T. -0.01 min
Lab File: VF061696.D
Acq: 21 Feb 2019 14:15

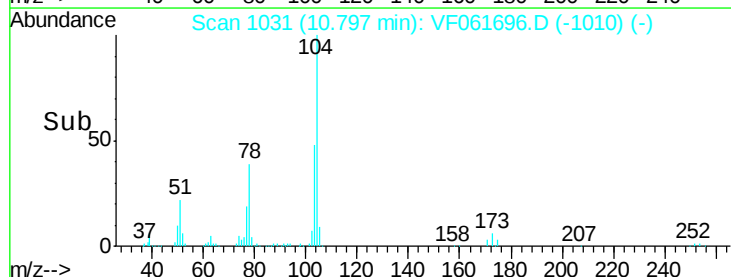
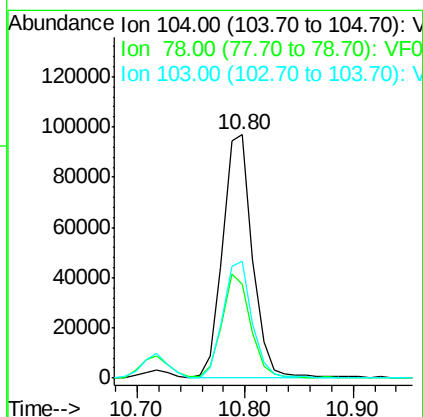
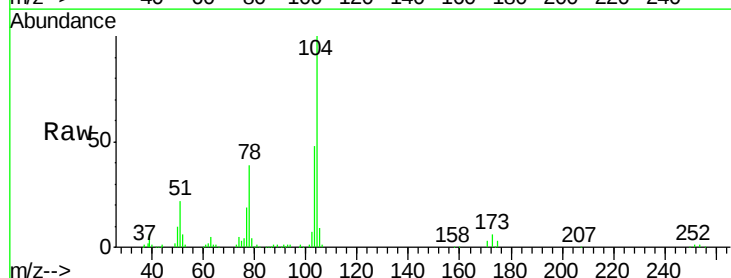
Instrument :
MSVOA_F
ClientSampleId :
VF0221SBS01

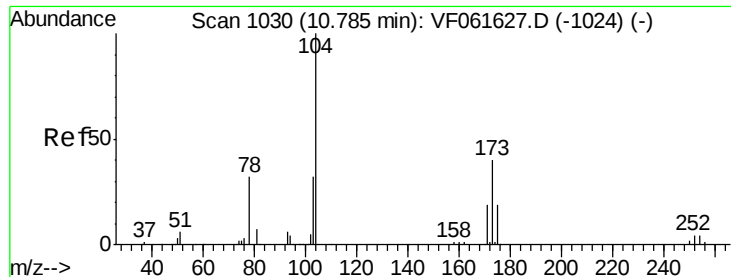
Tot Ion:106 Resp: 135260
Ion Ratio Lower Upper
106 100
91 201.5 100.1 300.1



#70
Styrene
Concen: 22.061 ug/l
RT: 10.80 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VF061696.D
Acq: 21 Feb 2019 14:15

Tgt Ion:104 Resp: 186448
Ion Ratio Lower Upper
104 100
78 38.7 33.2 49.8
103 47.9 37.2 55.8





#71

Bromoform

Concen: 21.028 ug/l

RT: 10.78 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VF061696.D

Acq: 21 Feb 2019 14:15

Instrument :

MSVOA_F

ClientSampleId :

VF0221SBS01

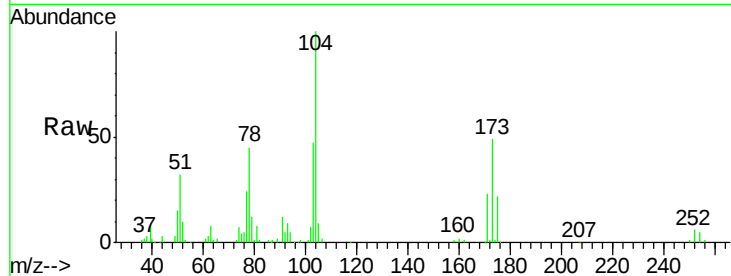
Tot Ion:173 Resp: 39361

Ion Ratio Lower Upper

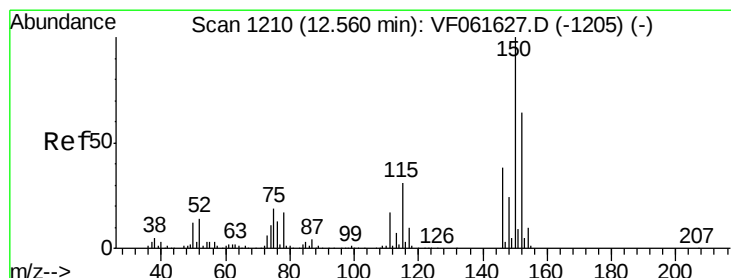
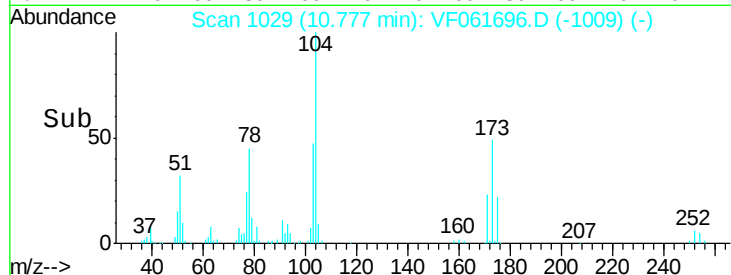
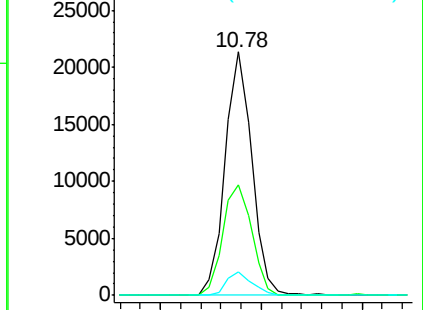
173 100

175 45.5 24.0 72.0

254 9.6 8.2 12.2



Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.55 min Scan# 1209

Delta R.T. -0.01 min

Lab File: VF061696.D

Acq: 21 Feb 2019 14:15

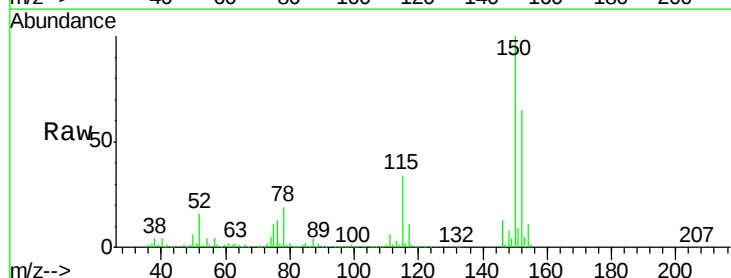
Tgt Ion:152 Resp: 246869

Ion Ratio Lower Upper

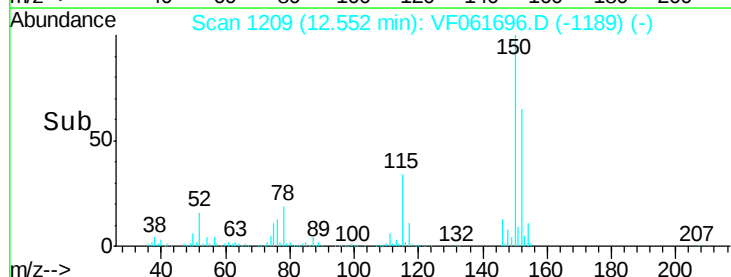
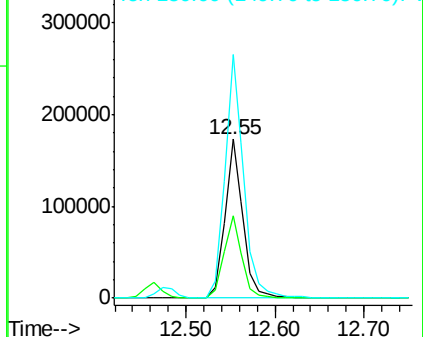
152 100

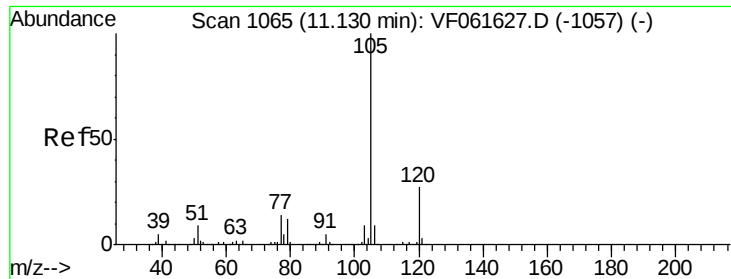
115 51.6 24.3 72.8

150 153.1 0.0 312.0



Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 21.972 ug/l

RT: 11.12 min Scan# 1064

Delta R.T. -0.01 min

Lab File: VF061696.D

Acq: 21 Feb 2019 14:15

Instrument :

MSVOA_F

ClientSampleId :

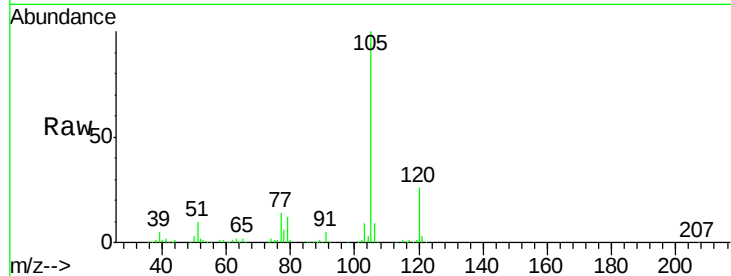
VF0221SBS01

Tot Ion:105 Resp: 386196

Ion Ratio Lower Upper

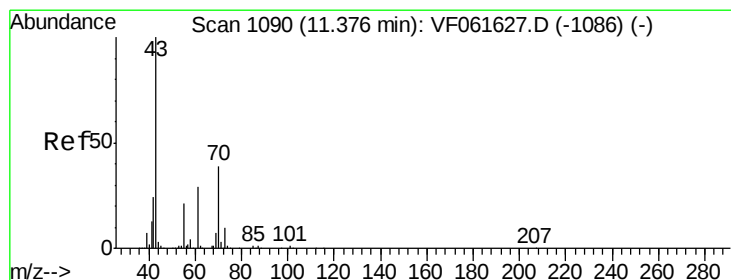
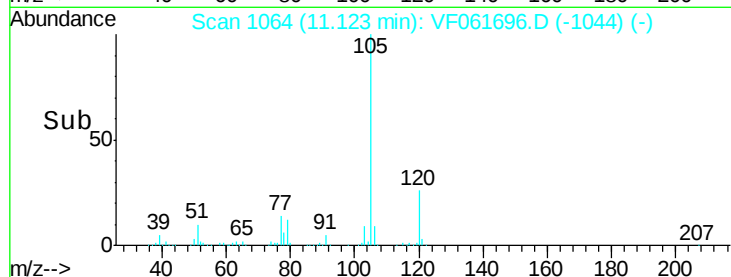
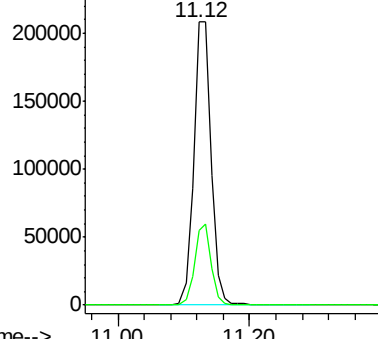
105 100

120 26.5 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.932 ug/l

RT: 11.38 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VF061696.D

Acq: 21 Feb 2019 14:15

Tgt Ion: 43 Resp: 92527

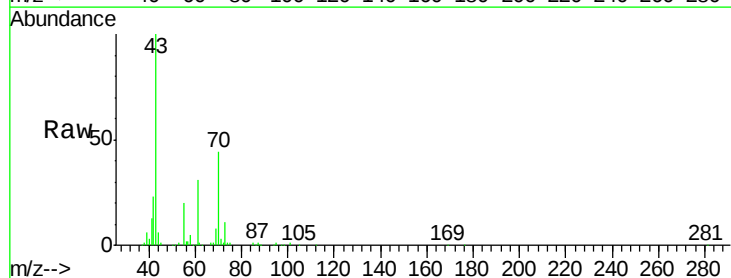
Ion Ratio Lower Upper

43 100

70 44.5 31.5 47.3

55 20.2 16.7 25.1

61 31.2 23.0 34.6

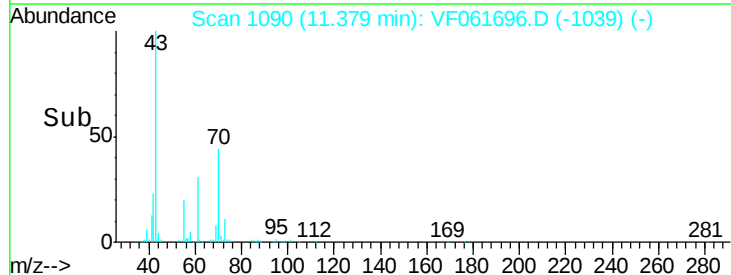
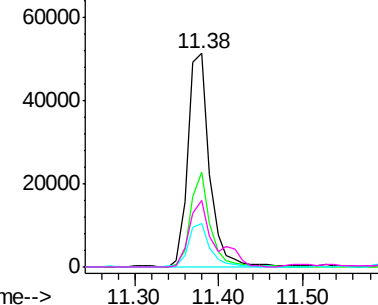


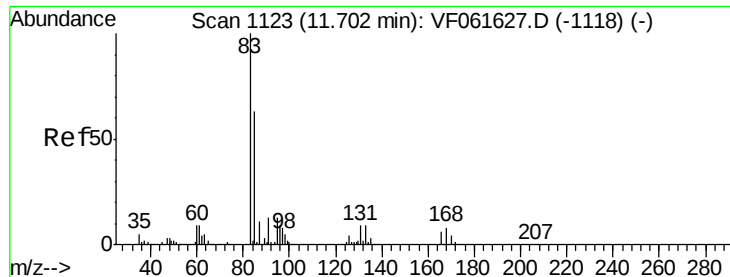
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.686 ug/l

RT: 11.69 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VF061696.D

Acq: 21 Feb 2019 14:15

Instrument :

MSVOA_F

ClientSampleId :

VF0221SBS01

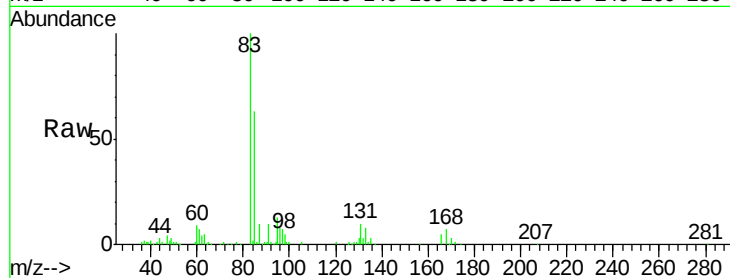
Tot Ion: 83 Resp: 61991

Ion Ratio Lower Upper

83 100

131 9.8 4.4 13.2

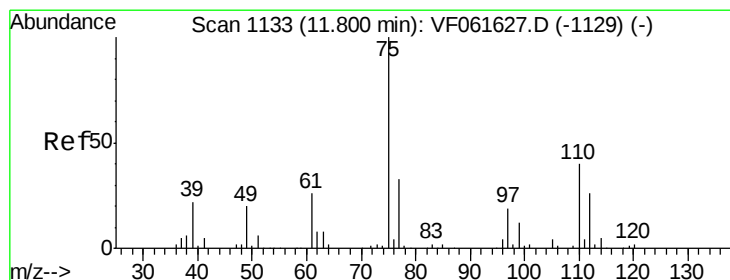
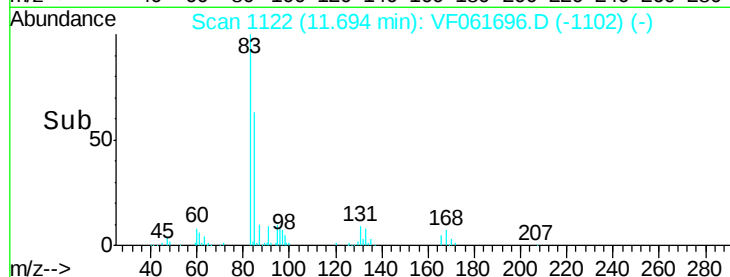
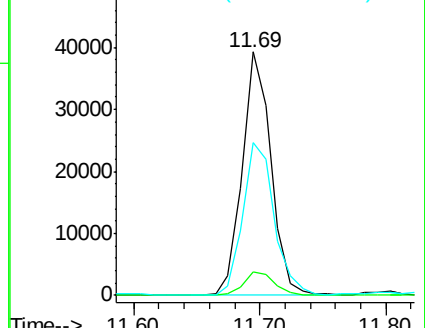
85 62.9 31.5 94.5



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): VF0

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 19.432 ug/l

RT: 11.79 min Scan# 1132

Delta R.T. -0.01 min

Lab File: VF061696.D

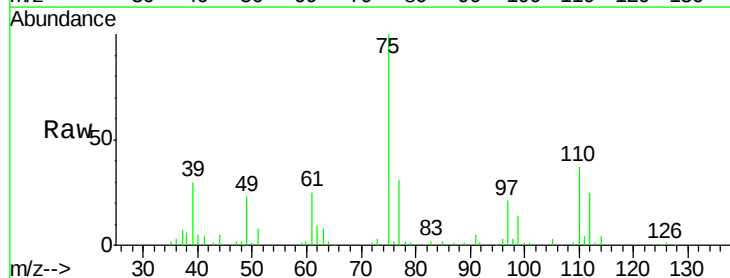
Acq: 21 Feb 2019 14:15

Tgt Ion: 75 Resp: 41601

Ion Ratio Lower Upper

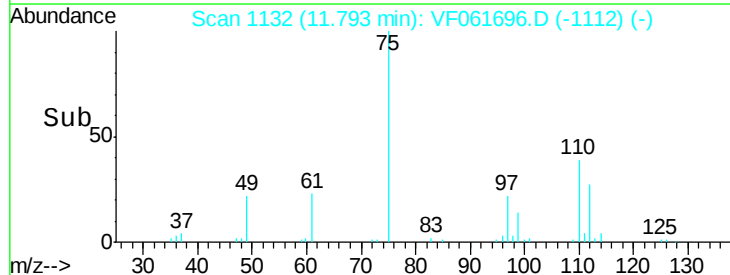
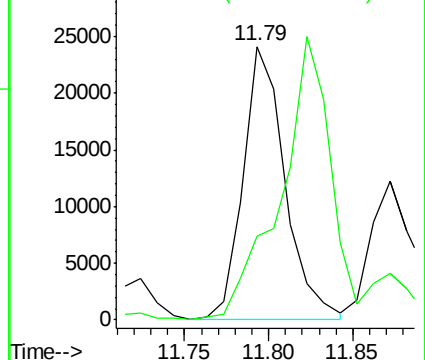
75 100

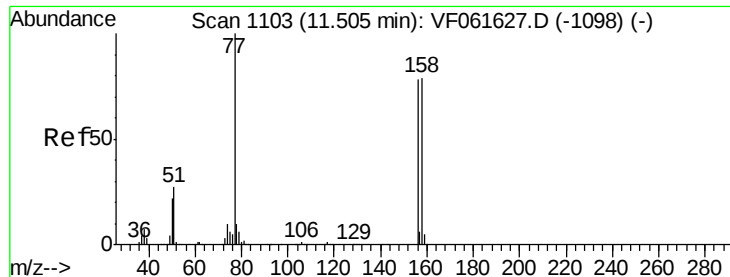
77 30.5 16.6 49.7



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 20.974 ug/l

RT: 11.50 min Scan# 1102

Delta R.T. -0.01 min

Lab File: VF061696.D

Acq: 21 Feb 2019 14:15

Instrument :

MSVOA_F

ClientSampleId :

VF0221SBS01

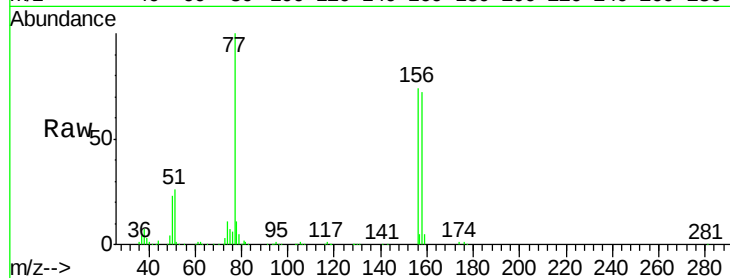
Tot Ion:156 Resp: 91073

Ion Ratio Lower Upper

156 100

77 136.0 64.3 192.7

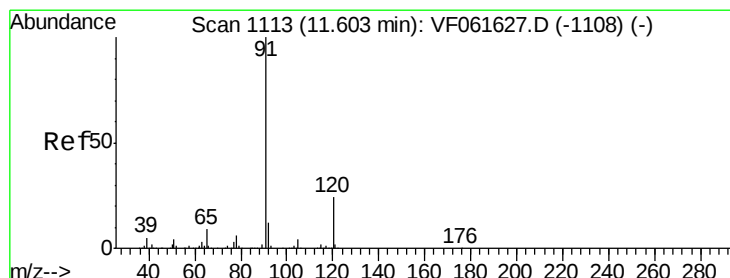
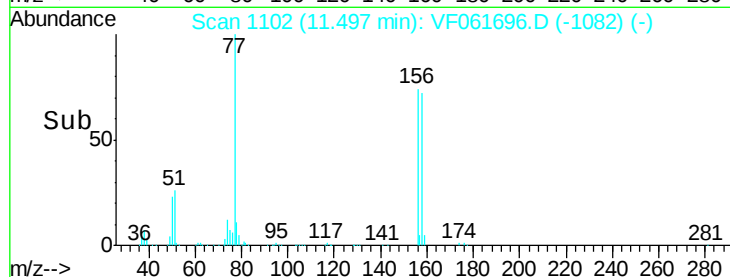
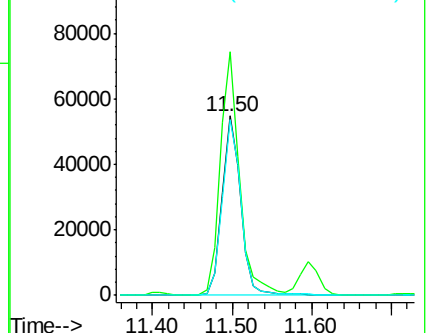
158 97.8 50.9 152.7



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 21.635 ug/l

RT: 11.60 min Scan# 1112

Delta R.T. -0.01 min

Lab File: VF061696.D

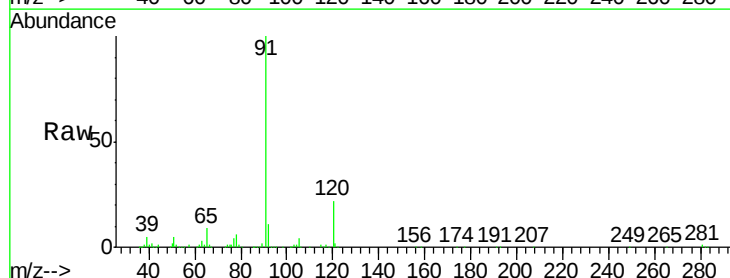
Acq: 21 Feb 2019 14:15

Tgt Ion: 91 Resp: 436361

Ion Ratio Lower Upper

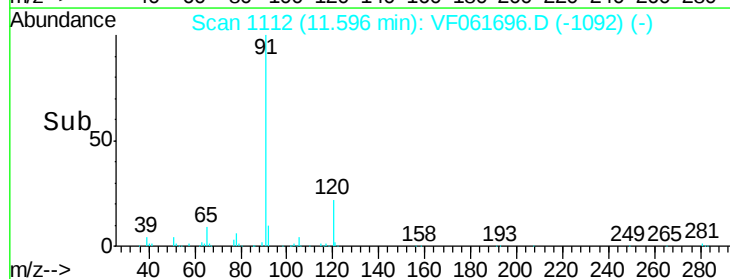
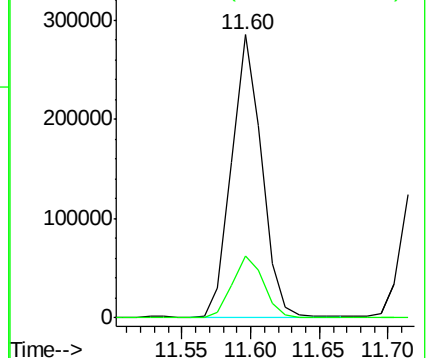
91 100

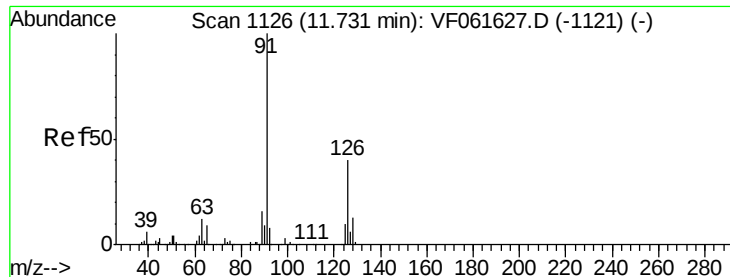
120 21.9 12.1 36.3



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.363 ug/l

RT: 11.72 min Scan# 1125

Delta R.T. -0.01 min

Lab File: VF061696.D

Acq: 21 Feb 2019 14:15

Instrument :

MSVOA_F

ClientSampleId :

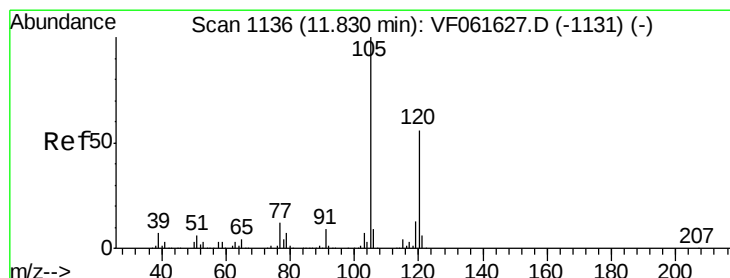
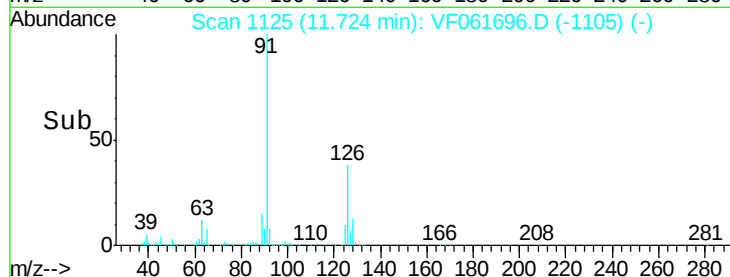
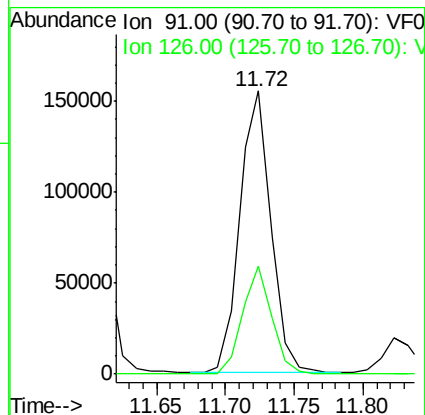
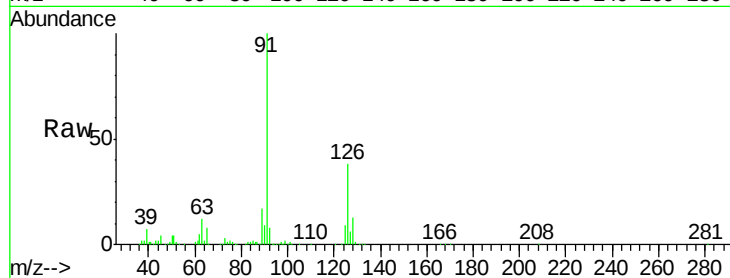
VF0221SBS01

Tot Ion: 91 Resp: 241320

Ion Ratio Lower Upper

91 100

126 38.3 19.8 59.4



#80

1,3,5-Trimethylbenzene

Concen: 21.920 ug/l

RT: 11.82 min Scan# 1135

Delta R.T. -0.01 min

Lab File: VF061696.D

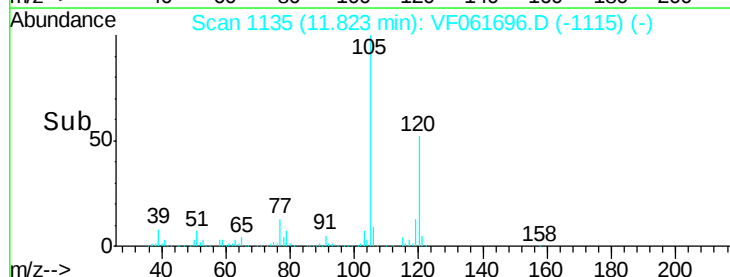
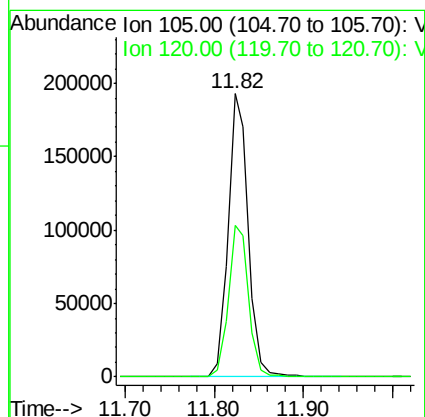
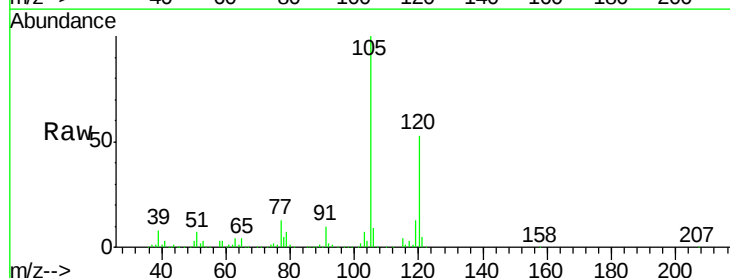
Acq: 21 Feb 2019 14:15

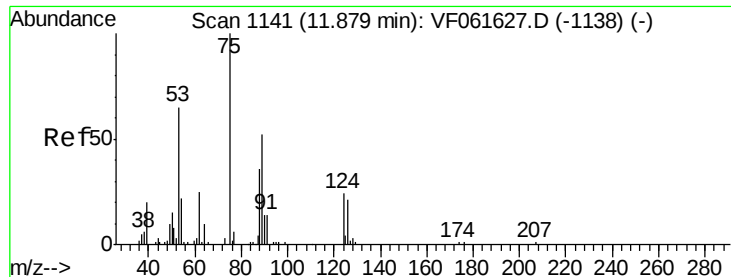
Tgt Ion:105 Resp: 307932

Ion Ratio Lower Upper

105 100

120 53.3 27.9 83.6





#81

trans-1,4-Dichloro-2-butene

Concen: 26.693 ug/l

RT: 11.87 min Scan# 1140

Delta R.T. -0.01 min

Lab File: VF061696.D

Acq: 21 Feb 2019 14:15

Instrument :

MSVOA_F

ClientSampleId :

VF0221SBS01

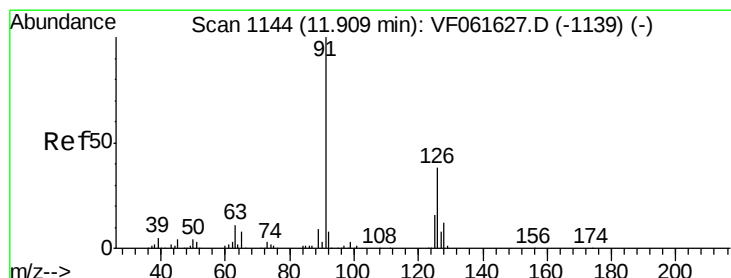
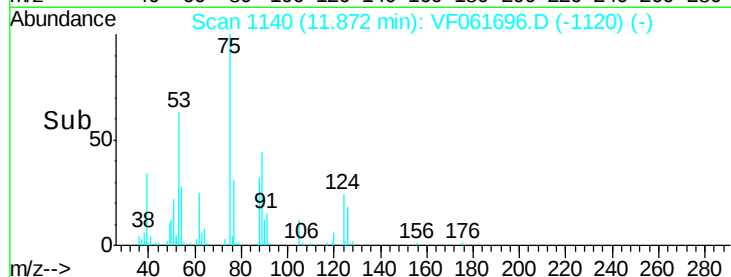
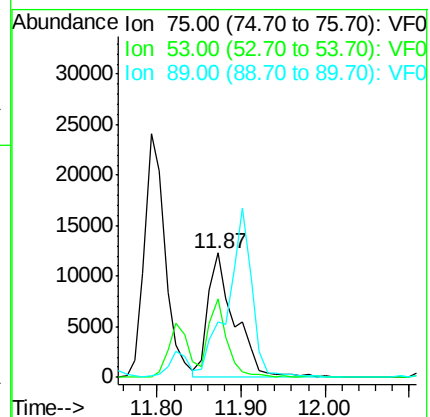
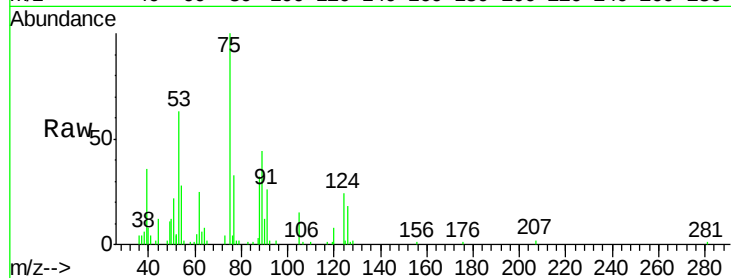
Tot Ion: 75 Resp: 27397

Ion Ratio Lower Upper

75 100

53 63.0 53.7 80.5

89 44.4 41.6 62.4



#82

4-Chlorotoluene

Concen: 21.516 ug/l

RT: 11.90 min Scan# 1143

Delta R.T. -0.01 min

Lab File: VF061696.D

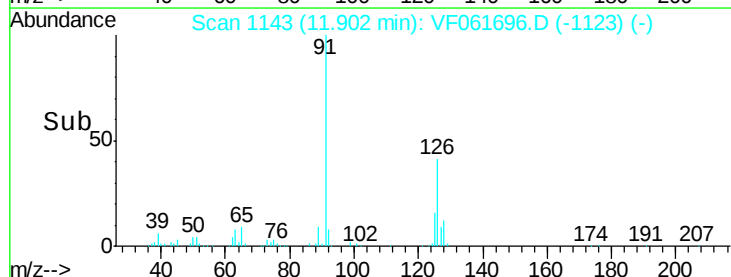
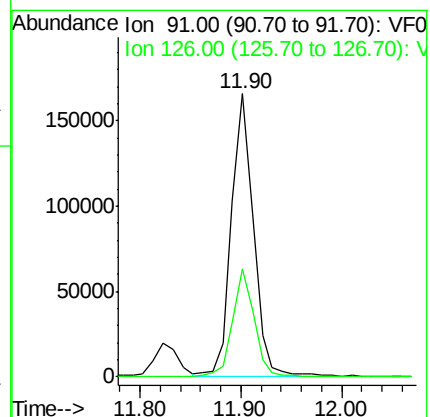
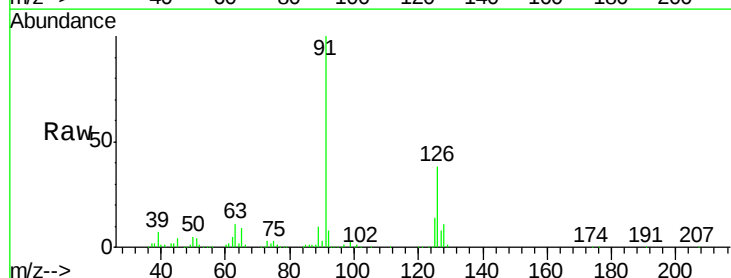
Acq: 21 Feb 2019 14:15

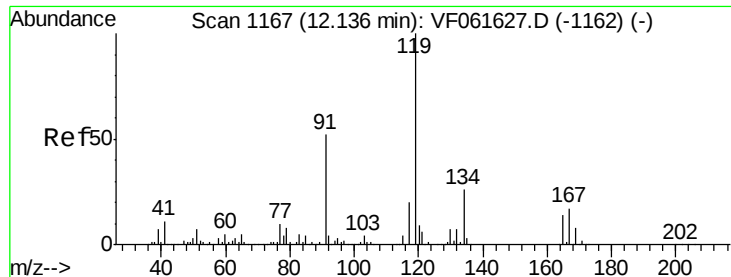
Tgt Ion: 91 Resp: 252262

Ion Ratio Lower Upper

91 100

126 38.1 19.1 57.1

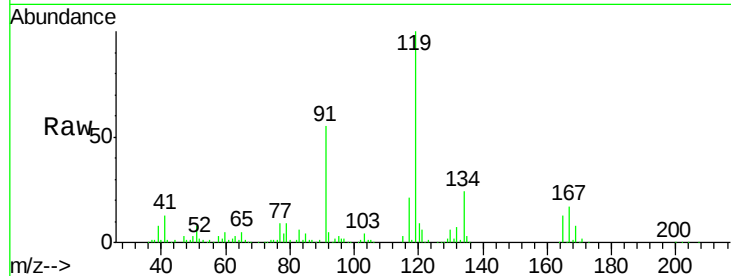




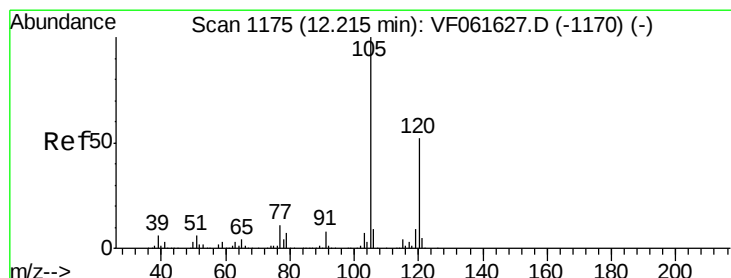
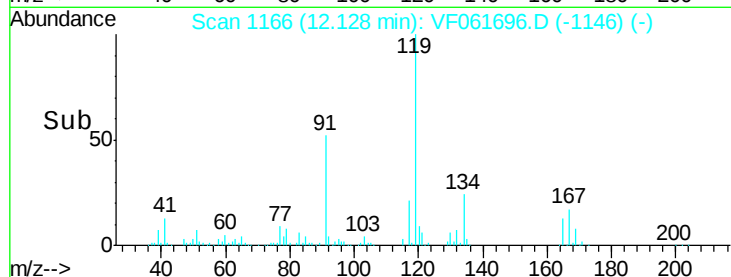
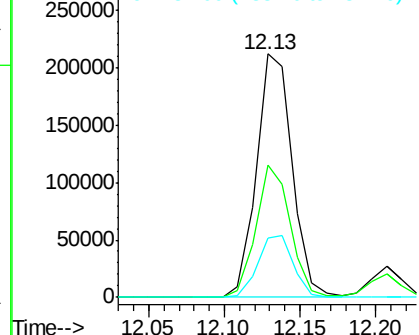
#83
tert-Butylbenzene
Concen: 22.502 ug/l
RT: 12.13 min Scan# 1166
Delta R.T. -0.01 min
Lab File: VF061696.D
Acq: 21 Feb 2019 14:15

Instrument :
MSVOA_F
ClientSampleId :
VF0221SBS01

Tot Ion:119 Resp: 350122
Ion Ratio Lower Upper
119 100
91 54.5 26.3 78.8
134 24.3 12.9 38.7

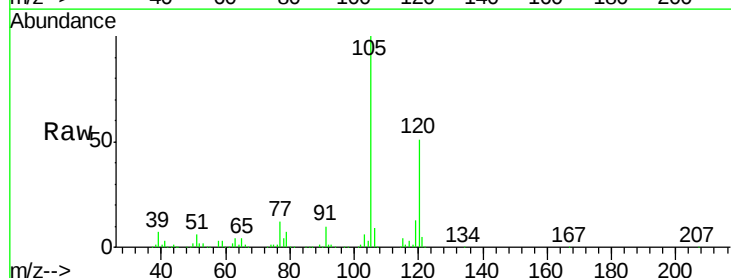


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VF0
Ion 134.00 (133.70 to 134.70): V

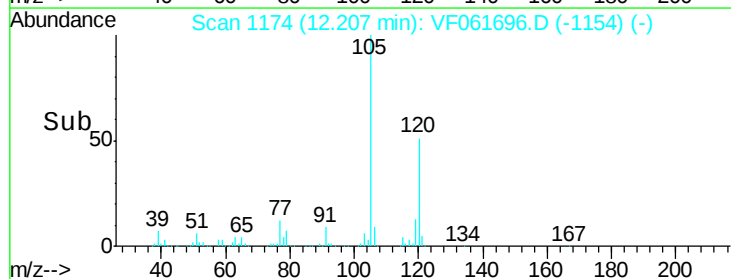
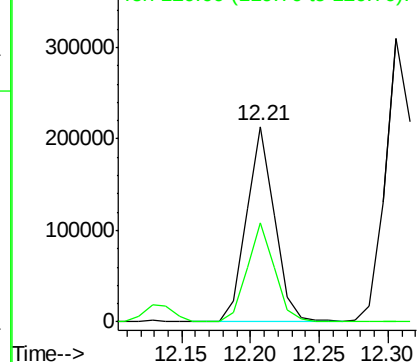


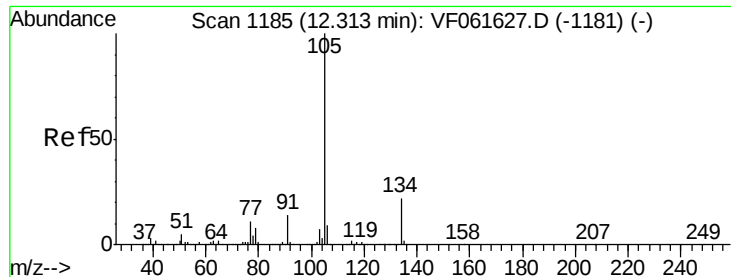
#84
1,2,4-Trimethylbenzene
Concen: 21.700 ug/l
RT: 12.21 min Scan# 1174
Delta R.T. -0.01 min
Lab File: VF061696.D
Acq: 21 Feb 2019 14:15

Tgt Ion:105 Resp: 302853
Ion Ratio Lower Upper
105 100
120 50.6 26.1 78.3



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





#85

sec-Butylbenzene

Concen: 22.338 ug/l

RT: 12.31 min Scan# 1184

Delta R.T. -0.01 min

Lab File: VF061696.D

Acq: 21 Feb 2019 14:15

Instrument :

MSVOA_F

ClientSampleId :

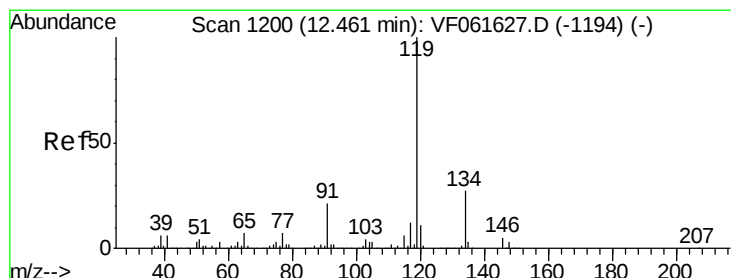
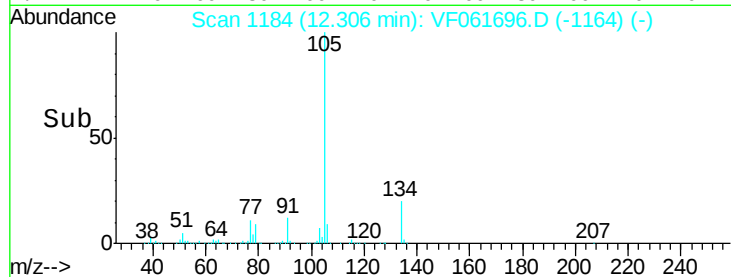
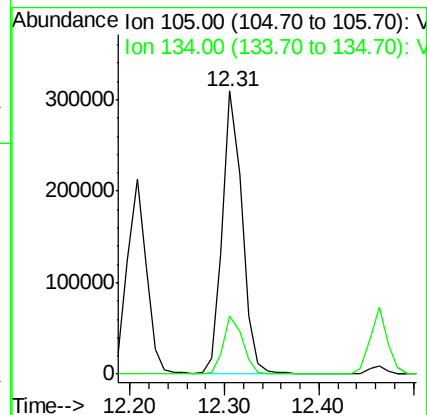
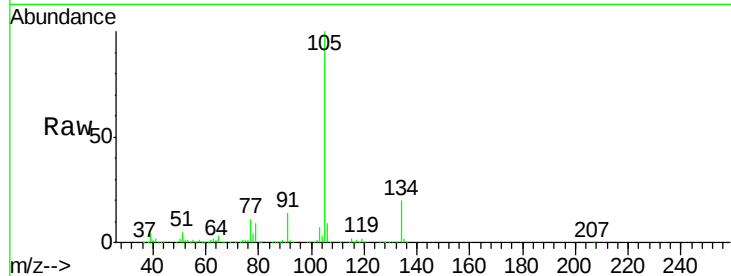
VF0221SBS01

Tot Ion:105 Resp: 449464

Ion Ratio Lower Upper

105 100

134 20.4 10.8 32.4



#86

p-Isopropyltoluene

Concen: 21.726 ug/l

RT: 12.46 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VF061696.D

Acq: 21 Feb 2019 14:15

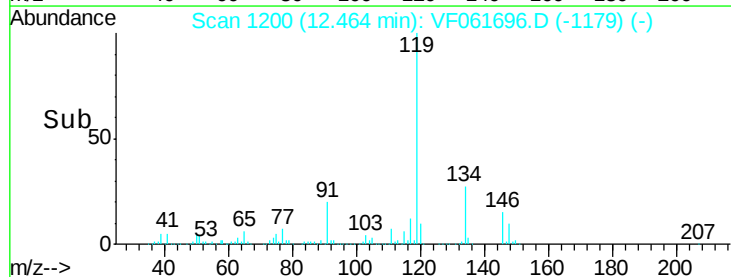
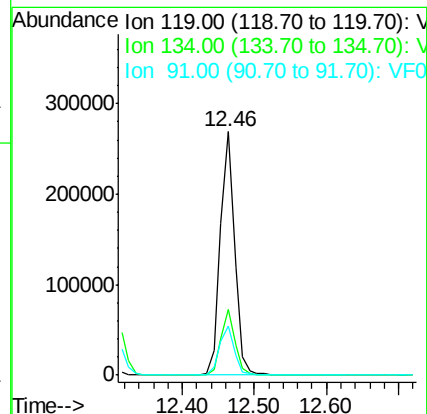
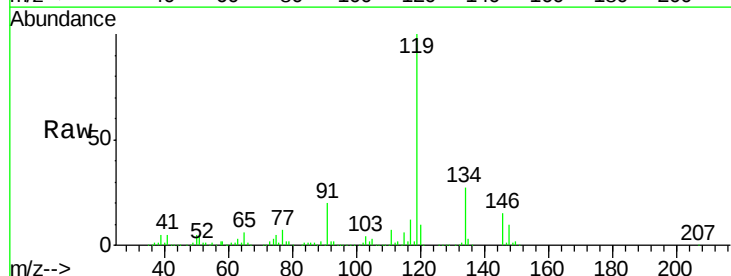
Tgt Ion:119 Resp: 366882

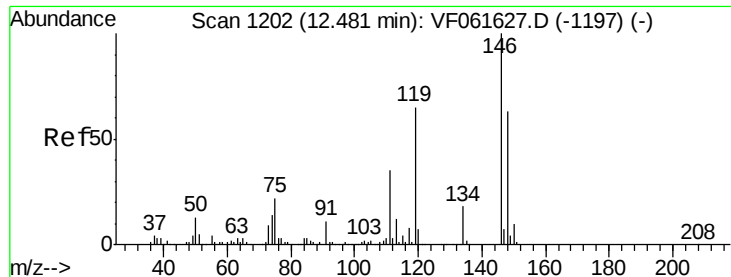
Ion Ratio Lower Upper

119 100

134 27.2 13.7 41.1

91 20.3 10.8 32.4





#87

1,3-Dichlorobenzene

Concen: 21.136 ug/l

RT: 12.47 min Scan# 1201

Delta R.T. -0.01 min

Lab File: VF061696.D

Acq: 21 Feb 2019 14:15

Instrument :

MSVOA_F

ClientSampleId :

VF0221SBS01

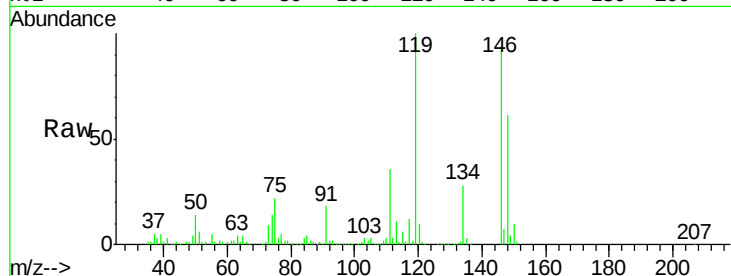
Tot Ion:146 Resp: 178918

Ion Ratio Lower Upper

146 100

111 38.2 17.5 52.6

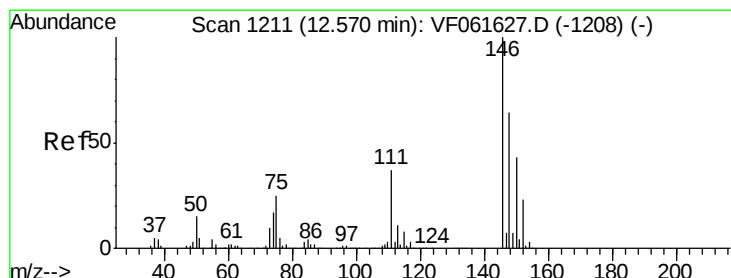
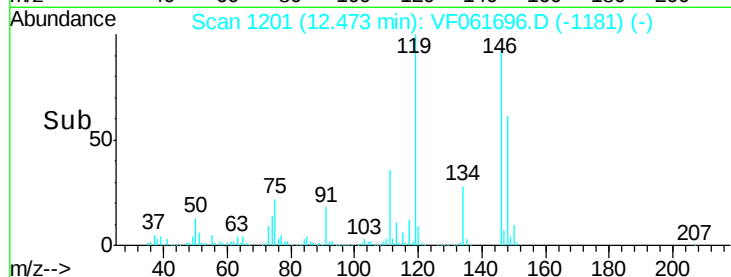
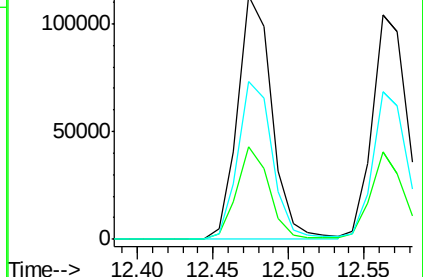
148 64.8 31.4 94.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,4-Dichlorobenzene

Concen: 21.330 ug/l

RT: 12.56 min Scan# 1210

Delta R.T. -0.01 min

Lab File: VF061696.D

Acq: 21 Feb 2019 14:15

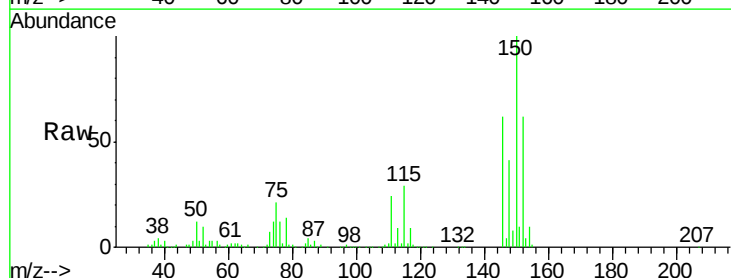
Tgt Ion:146 Resp: 173650

Ion Ratio Lower Upper

146 100

111 39.2 18.4 55.4

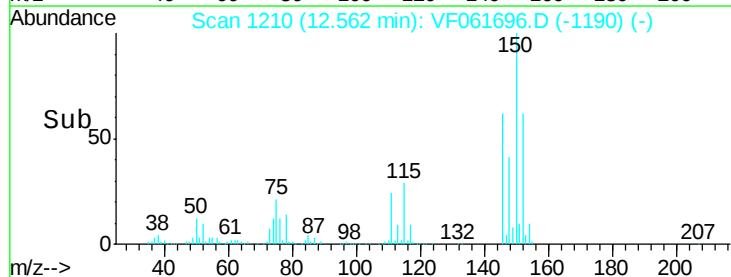
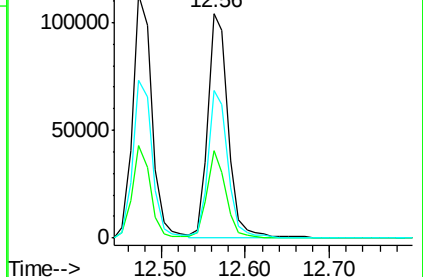
148 65.8 32.2 96.6

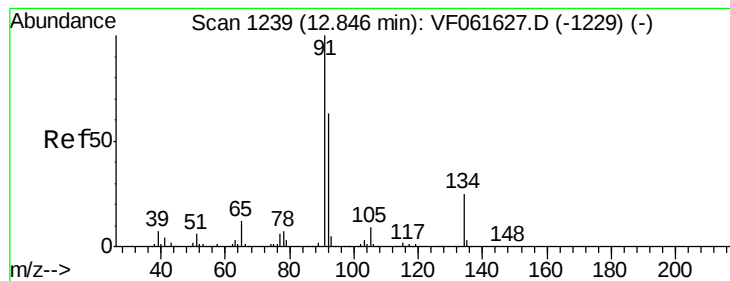


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#89

n-Butylbenzene

Concen: 22.415 ug/l

RT: 12.85 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VF061696.D

Acq: 21 Feb 2019 14:15

Instrument :

MSVOA_F

ClientSampleId :

VF0221SBS01

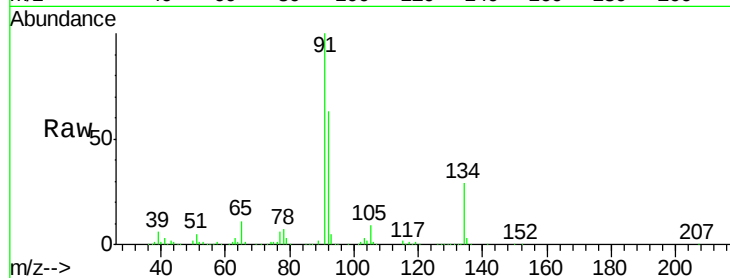
Tot Ion: 91 Resp: 357425

Ion Ratio Lower Upper

91 100

92 62.8 31.4 94.3

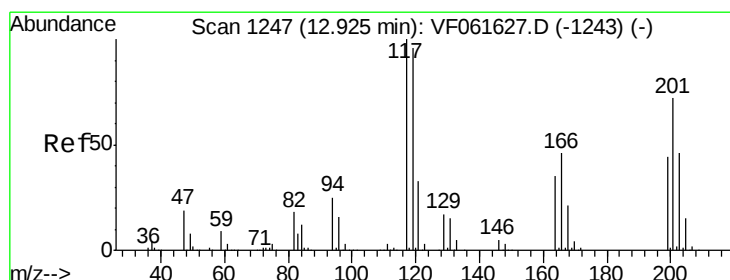
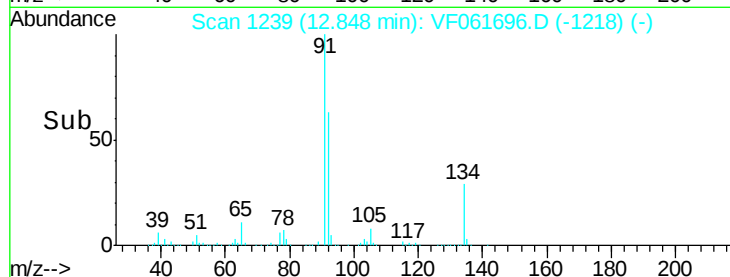
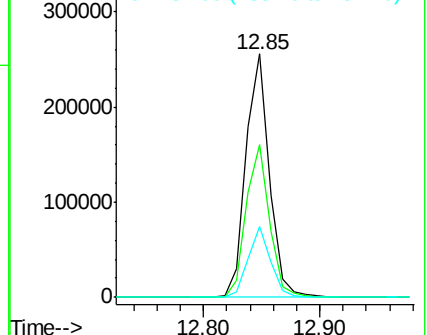
134 29.2 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 21.957 ug/l

RT: 12.92 min Scan# 1246

Delta R.T. -0.01 min

Lab File: VF061696.D

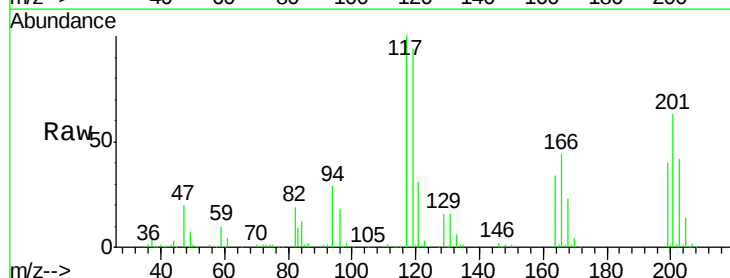
Acq: 21 Feb 2019 14:15

Tgt Ion: 117 Resp: 86233

Ion Ratio Lower Upper

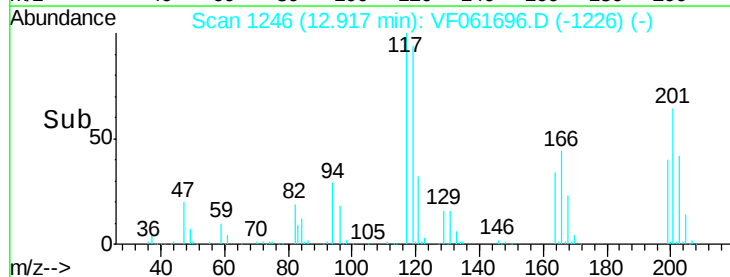
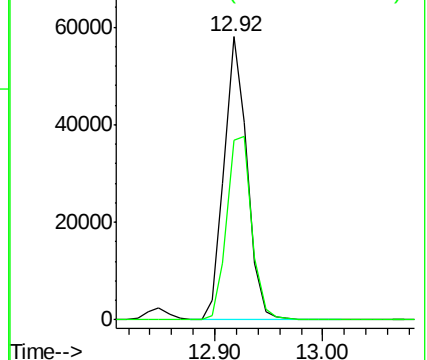
117 100

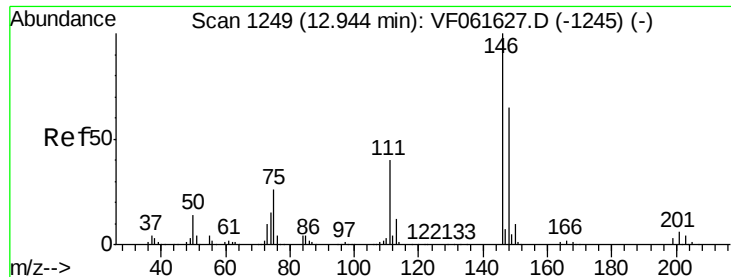
201 63.5 36.2 108.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V

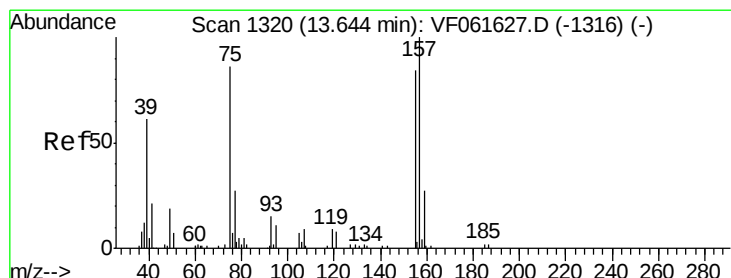
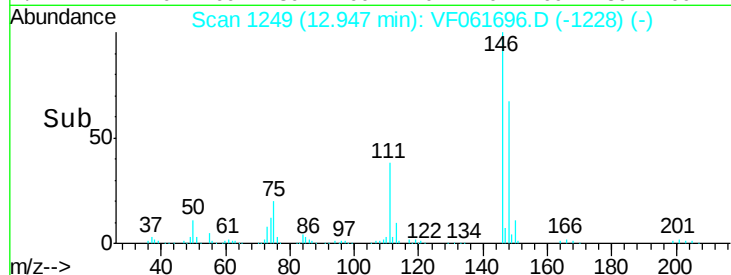
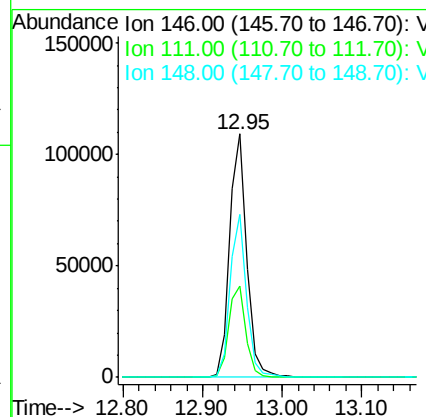
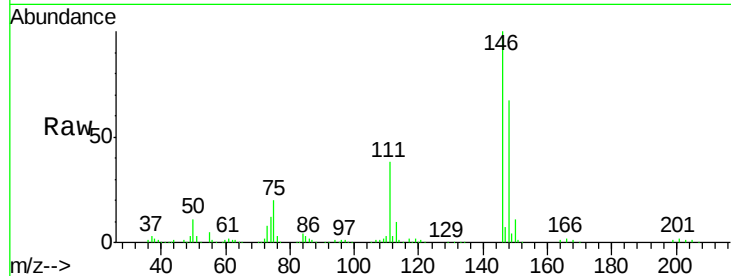




#91
 1,2-Dichlorobenzene
 Concen: 20.776 ug/l
 RT: 12.95 min Scan# 1249
 Delta R.T. 0.00 min
 Lab File: VF061696.D
 Acq: 21 Feb 2019 14:15

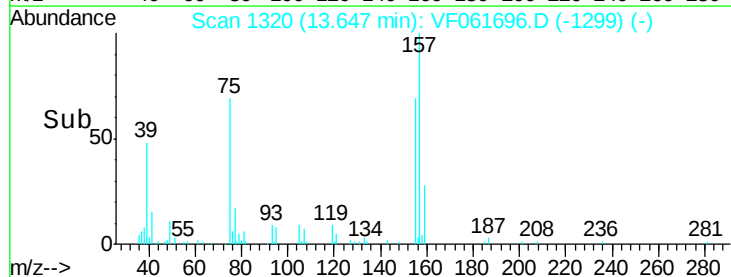
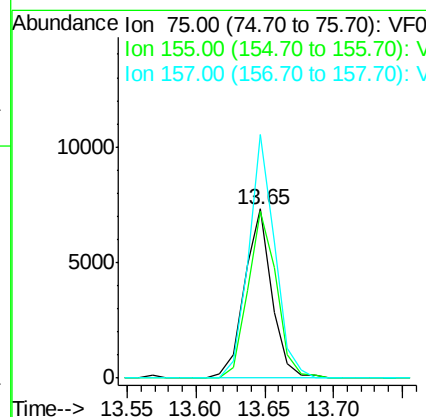
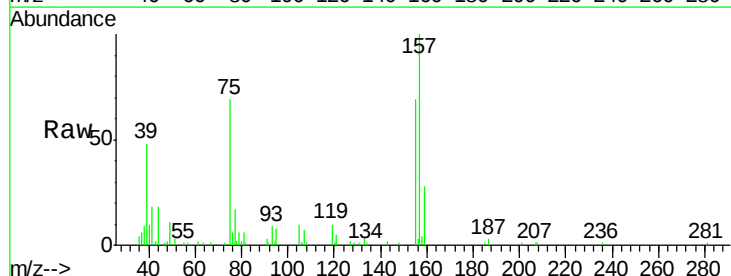
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0221SBS01

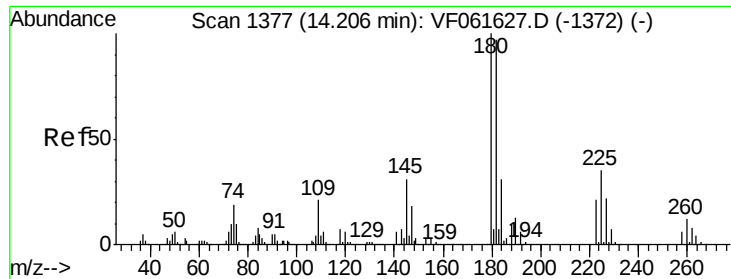
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	20.2	60.5
148	66.9	32.3	96.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.300 ug/l
 RT: 13.65 min Scan# 1320
 Delta R.T. 0.00 min
 Lab File: VF061696.D
 Acq: 21 Feb 2019 14:15

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.0	48.9	146.8
157	144.2	58.3	174.8

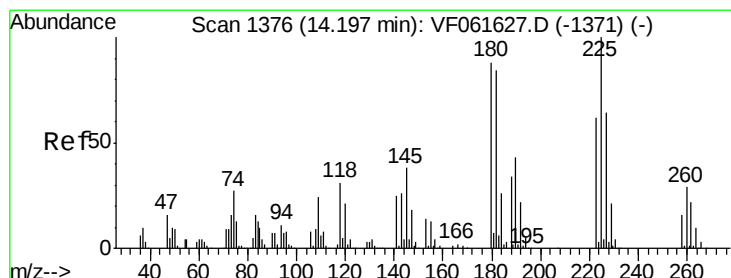
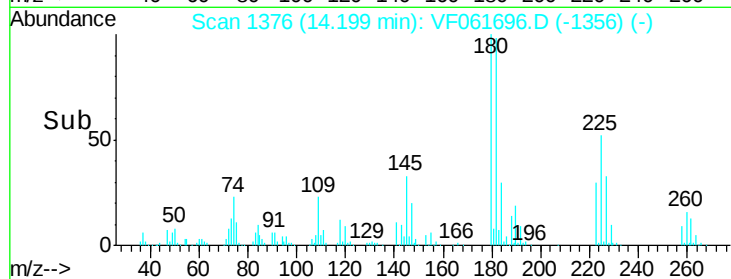
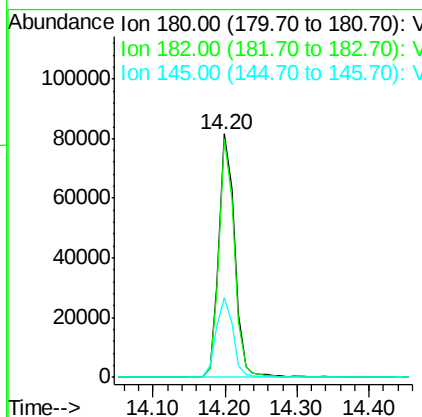
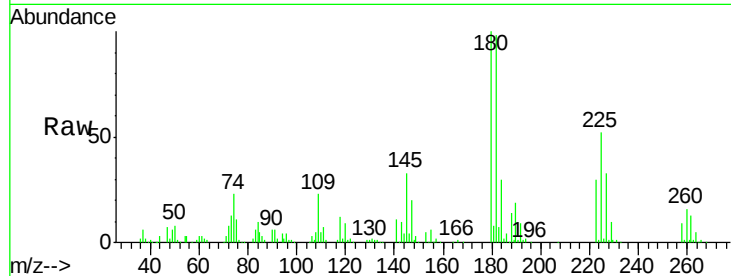




#93
 1,2,4-Trichlorobenzene
 Concen: 21.481 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. -0.01 min
 Lab File: VF061696.D
 Acq: 21 Feb 2019 14:15

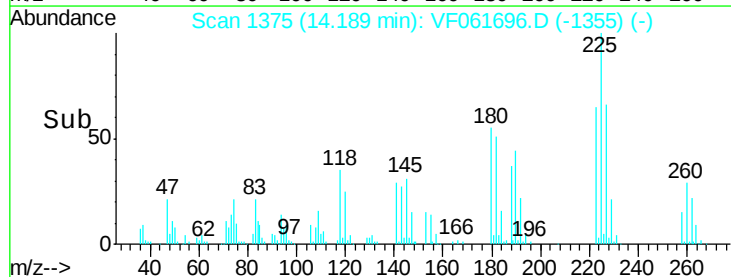
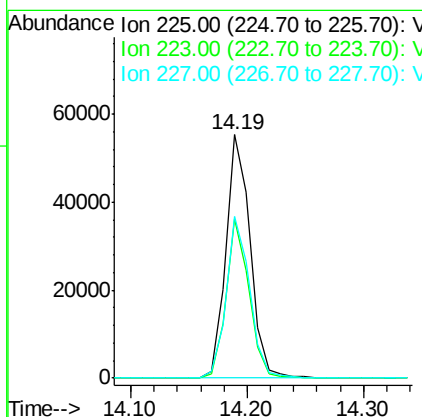
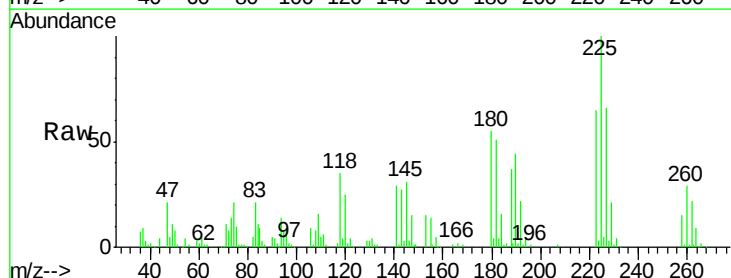
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0221SBS01

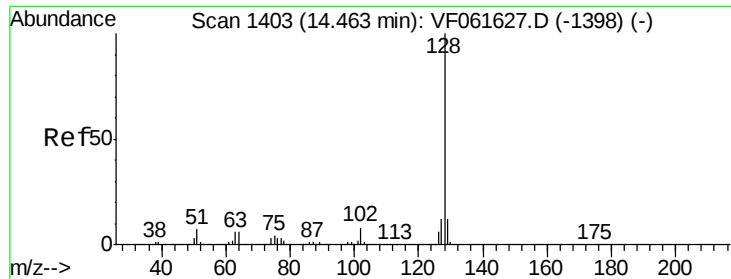
Tot Ion:180 Resp: 123976
 Ion Ratio Lower Upper
 180 100
 182 98.1 48.6 145.9
 145 32.9 15.3 45.9



#94
 Hexachlorobutadiene
 Concen: 22.339 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.01 min
 Lab File: VF061696.D
 Acq: 21 Feb 2019 14:15

Tgt Ion:225 Resp: 79623
 Ion Ratio Lower Upper
 225 100
 223 65.1 30.9 92.7
 227 66.5 32.1 96.3

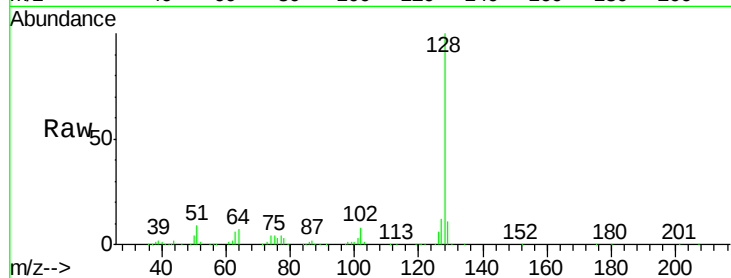




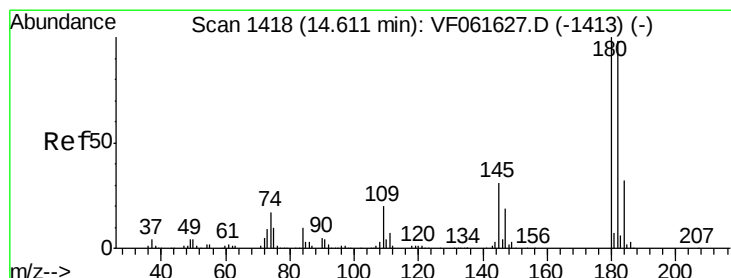
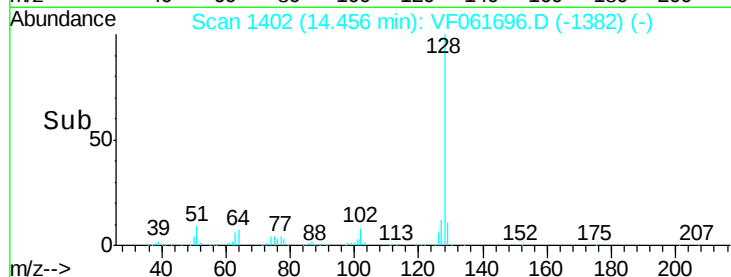
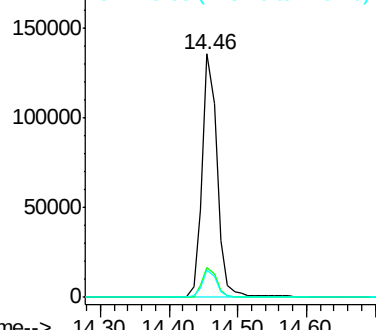
#95
Naphthalene
Concen: 20.444 ug/l
RT: 14.46 min Scan# 1402
Delta R.T. -0.01 min
Lab File: VF061696.D
Acq: 21 Feb 2019 14:15

Instrument :
MSVOA_F
ClientSampleId :
VF0221SBS01

Tot Ion:128 Resp: 206434
Ion Ratio Lower Upper
128 100
127 12.0 9.8 14.6
129 11.0 9.4 14.2

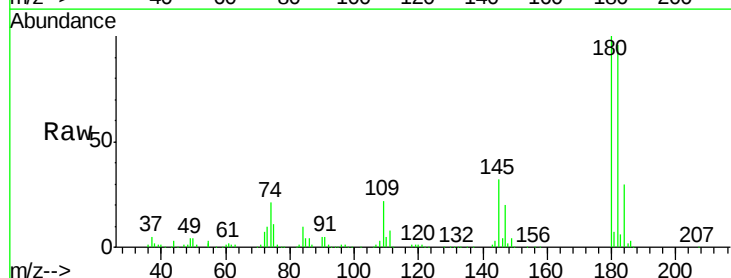


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 21.502 ug/l
RT: 14.60 min Scan# 1417
Delta R.T. -0.01 min
Lab File: VF061696.D
Acq: 21 Feb 2019 14:15

Tgt Ion:180 Resp: 113901
Ion Ratio Lower Upper
180 100
182 95.8 49.0 147.2
145 31.5 15.4 46.1



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

