

Data File : VF060691.D
Acq On : 12 Nov 2018 18:05
Operator : VA/AP
Sample : VF1112SBS01
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VF1112SBS01

Quant Time: Nov 13 04:15:57 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F110218S.M
Quant Title : SW846 8260
QLast Update : Sat Nov 03 05:29:31 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	217345	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	344018	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.76	117	326148	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.54	152	186381	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.83	65	130657	59.50	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	119.00%	
35) Dibromofluoromethane	4.10	113	148104	55.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.44%	
50) Toluene-d8	7.54	98	414545	52.65	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	105.30%	
62) 4-Bromofluorobenzene	11.40	95	202913	58.92	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	117.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	82471	35.123	ug/l	96
3) Chloromethane	1.10	50	47451	24.945	ug/l	94
4) Vinyl Chloride	1.14	62	45174	25.772	ug/l #	85
5) Bromomethane	1.31	94	25398	25.814	ug/l	82
6) Chloroethane	1.37	64	16935	24.574	ug/l	98
7) Trichlorofluoromethane	1.48	101	94159	28.701	ug/l	86
8) Diethyl Ether	1.62	74	11496	18.907	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	1.81	101	48359	25.796	ug/l	95
10) Methyl Iodide	1.87	142	72712	23.569	ug/l #	80
11) Tert butyl alcohol	2.56	59	12259	102.599	ug/l #	84
12) 1,1-Dichloroethene	1.77	96	35397	22.418	ug/l	81
13) Acrolein	2.00	56	9593	114.986	ug/l	95
14) Allyl chloride	2.09	41	66303	25.717	ug/l	87
15) Acrylonitrile	2.93	53	25188	96.242	ug/l	97
16) Acetone	2.22	43	69738	134.770	ug/l	98
17) Carbon Disulfide	1.76	76	24371	5.480	ug/l	97
18) Methyl Acetate	2.33	43	17717	22.310	ug/l	94
19) Methyl tert-butyl Ether	2.42	73	87267	23.643	ug/l	95
20) Methylene Chloride	2.18	84	42926	25.276	ug/l	97
21) trans-1,2-Dichloroethene	2.30	96	38605	23.305	ug/l	93
22) Diisopropyl ether	2.79	45	122545	22.434	ug/l	99
23) Vinyl Acetate	3.17	43	304380	92.743	ug/l	95
24) 1,1-Dichloroethane	2.87	63	77596	24.546	ug/l	98
25) 2-Butanone	4.32	43	110936	93.976	ug/l	94
26) 2,2-Dichloropropane	3.59	77	63980	27.048	ug/l	96
27) cis-1,2-Dichloroethene	3.47	96	65292	20.647	ug/l	96
28) Bromochloromethane	3.70	49	42524	21.434	ug/l	97
29) Tetrahydrofuran	4.06	42	34878	83.739	ug/l	96
30) Chloroform	3.84	83	116730	23.339	ug/l	97
31) Cyclohexane	3.68	56	91346	20.939	ug/l	98
32) 1,1,1-Trichloroethane	4.08	97	100704	28.829	ug/l	96
36) 1,1-Dichloropropene	4.27	75	89904	23.735	ug/l	97
37) Ethyl Acetate	4.09	43	32236	17.728	ug/l #	52
38) Carbon Tetrachloride	3.98	117	105760	32.675	ug/l	97

Data File : VF060691.D
Acq On : 12 Nov 2018 18:05
Operator : VA/AP
Sample : VF1112SBS01
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VF1112SBS01

Quant Time: Nov 13 04:15:57 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F110218S.M
Quant Title : SW846 8260
QLast Update : Sat Nov 03 05:29:31 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.44	83	101426	21.942	ug/l	95
40) Benzene	4.62	78	204510	22.243	ug/l	96
41) Methacrylonitrile	4.72	41	21306	20.691	ug/l #	92
42) 1,2-Dichloroethane	4.94	62	61642	23.359	ug/l	98
43) Isopropyl Acetate	6.95	43	43269	18.812	ug/l #	99
44) Trichloroethene	5.49	130	63535	22.992	ug/l	97
45) 1,2-Dichloropropane	6.22	63	53195	22.621	ug/l	98
46) Dibromomethane	6.07	93	33966	22.768	ug/l #	87
47) Bromodichloromethane	6.37	83	86315	23.988	ug/l #	99
48) Methyl methacrylate	6.70	41	29269	20.248	ug/l	93
49) 1,4-Dioxane	6.68	88	5349	353.731	ug/l #	84
51) 4-Methyl-2-Pentanone	8.24	43	157474	101.814	ug/l	97
52) Toluene	7.61	92	132682	22.153	ug/l	93
53) t-1,3-Dichloropropene	8.26	75	69312	22.163	ug/l	99
54) cis-1,3-Dichloropropene	7.29	75	90832	22.987	ug/l	91
55) 1,1,2-Trichloroethane	8.48	97	38111	21.866	ug/l	92
56) Ethyl methacrylate	8.61	69	46258	20.629	ug/l	91
57) 1,3-Dichloropropane	8.84	76	72171	23.599	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.61	63	21224	138.678	ug/l	100
59) 2-Hexanone	9.48	43	135005	118.339	ug/l	94
60) Dibromochloromethane	8.71	129	55091	22.601	ug/l	97
61) 1,2-Dibromoethane	8.97	107	41471	22.627	ug/l	96
64) Tetrachloroethene	8.14	164	57103	22.340	ug/l	95
65) Chlorobenzene	9.78	112	146461	21.959	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.92	131	63779	22.631	ug/l	97
67) Ethyl Benzene	9.89	91	283787	23.447	ug/l	99
68) m/p-Xylenes	10.12	106	198479	43.533	ug/l	90
69) o-Xylene	10.70	106	114480	22.996	ug/l	91
70) Styrene	10.78	104	160355	22.233	ug/l	91
71) Bromoform	10.77	173	29400	20.199	ug/l #	94
73) Isopropylbenzene	11.11	105	352433	24.246	ug/l	92
74) N-amyl acetate	11.36	43	73482	17.648	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.68	83	56807	21.411	ug/l	97
76) 1,2,3-Trichloropropane	11.86	75	25543	19.590	ug/l	91
77) Bromobenzene	11.49	156	70091	22.037	ug/l	90
78) n-propylbenzene	11.59	91	405966	23.871	ug/l	99
79) 2-Chlorotoluene	11.71	91	223798	23.043	ug/l	99
80) 1,3,5-Trimethylbenzene	11.81	105	276433	23.072	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.86	75	25543	24.927	ug/l	87
82) 4-Chlorotoluene	11.89	91	236806	23.370	ug/l	100
83) tert-Butylbenzene	12.12	119	273316	22.330	ug/l	95
84) 1,2,4-Trimethylbenzene	12.20	105	276604	23.575	ug/l	97
85) sec-Butylbenzene	12.30	105	386680	22.965	ug/l	97
86) p-Isopropyltoluene	12.45	119	311882	22.493	ug/l	99
87) 1,3-Dichlorobenzene	12.46	146	133695	21.416	ug/l	95
88) 1,4-Dichlorobenzene	12.55	146	128342	21.675	ug/l	97
89) n-Butylbenzene	12.84	91	339668	22.648	ug/l	96
90) Hexachloroethane	12.91	117	77840	22.075	ug/l	79
91) 1,2-Dichlorobenzene	12.94	146	129705	22.208	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.64	75	9098	19.738	ug/l	91

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF111218\
Quantitation Report (Not Reviewed)

Data File : VF060691.D
Acq On : 12 Nov 2018 18:05
Operator : VA/AP
Sample : VF1112SBS01
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VF1112SBS01

Quant Time: Nov 13 04:15:57 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F110218S.M
Quant Title : SW846 8260
QLast Update : Sat Nov 03 05:29:31 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	90042	22.694	ug/l	93
94) Hexachlorobutadiene	14.18	225	58022	22.568	ug/l	94
95) Naphthalene	14.45	128	155598	19.593	ug/l	99
96) 1,2,3-Trichlorobenzene	14.59	180	84183	22.460	ug/l	96

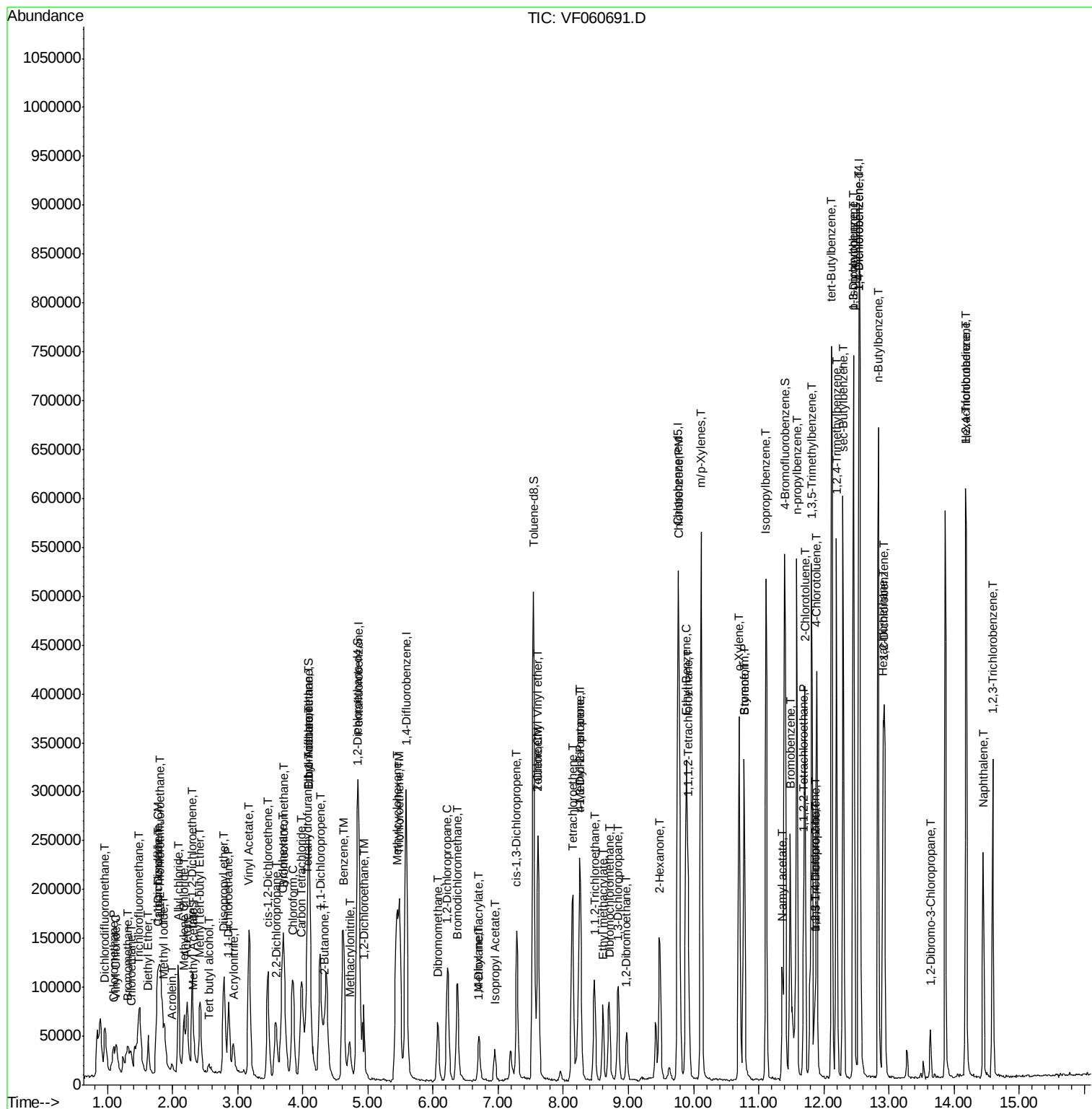
(#) = qualifier out of range (m) = manual integration (+) = signals summed

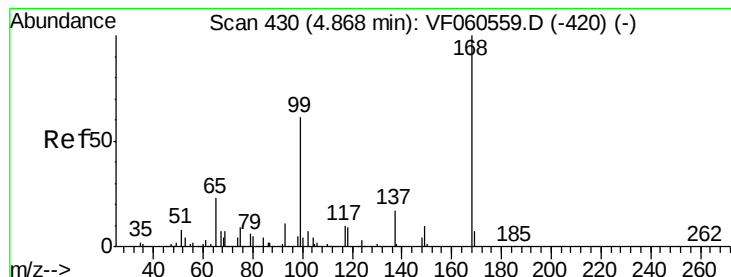
Data File : VF060691.D

```
Acq On       : 12 Nov 2018   18:05
Operator     : VA/AP
Sample       : VF1112SBS01
Misc         : 5.00g/5mL/MSV0A-F/SOIL
ALS Vial     : 5      Sample Multiplier: 1
```

Instrument :
MSVOA_F
ClientSampleId :
VF1112SBS01

Quant Time: Nov 13 04:15:57 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F110218S.M
Quant Title : SW846 8260
QLast Update : Sat Nov 03 05:29:31 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.01 min

Lab File: VF060691.D

Acq: 12 Nov 2018 18:05

Instrument :

MSVOA_F

ClientSampleId :

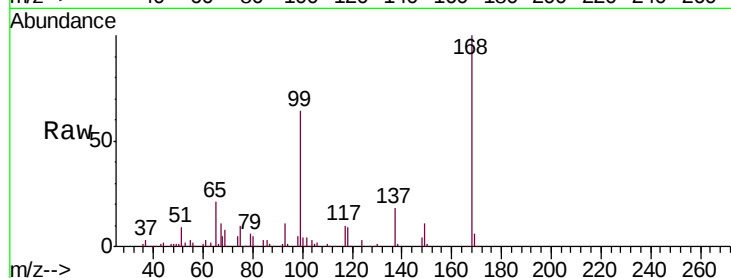
VF1112SBS01

Tgt Ion:168 Resp: 217345

Ion Ratio Lower Upper

168 100

99 64.2 48.6 72.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.86

80000

60000

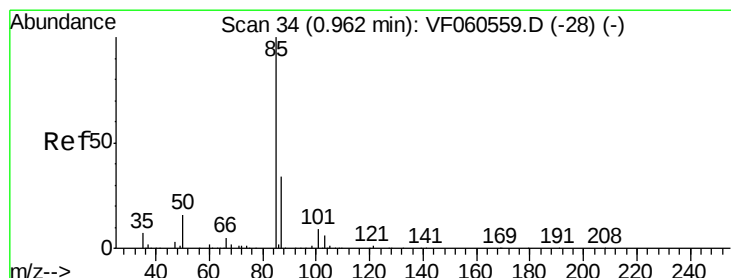
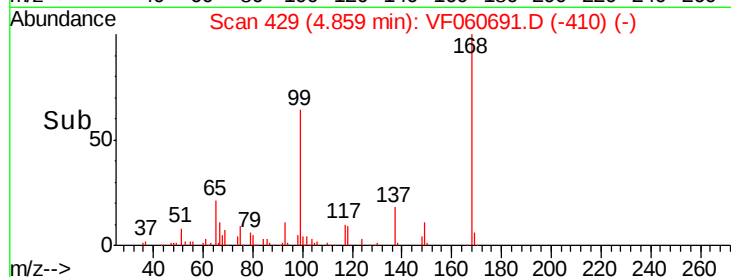
40000

20000

0

4.70 4.80 4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 35.123 ug/l

RT: 0.96 min Scan# 34

Delta R.T. 0.00 min

Lab File: VF060691.D

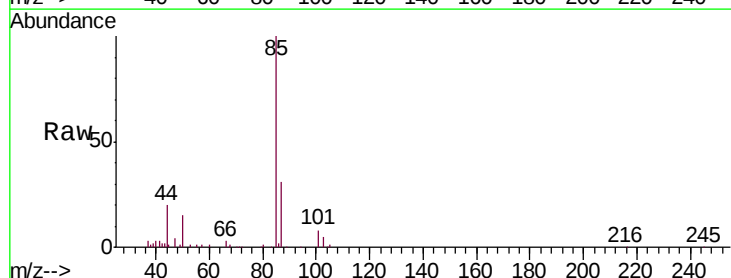
Acq: 12 Nov 2018 18:05

Tgt Ion: 85 Resp: 82471

Ion Ratio Lower Upper

85 100

87 31.4 16.9 50.7



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

30000

25000

20000

15000

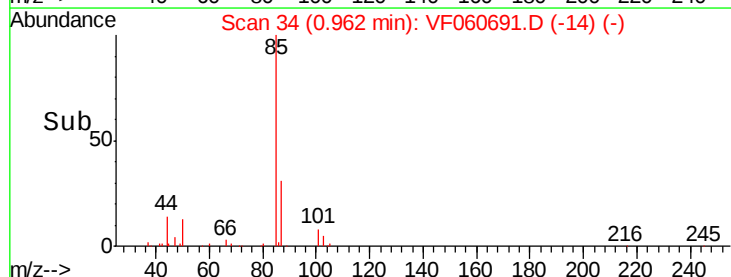
10000

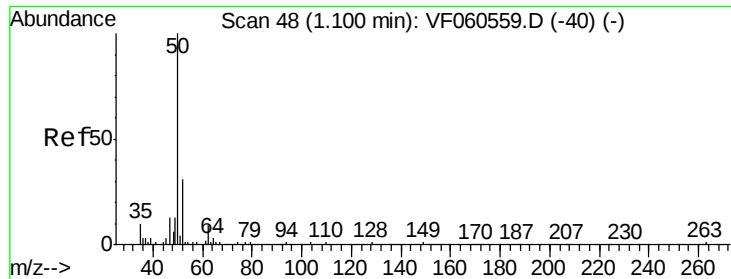
5000

0

0.80 0.90 1.00 1.10

Time-->





#3

Chloromethane

Concen: 24.945 ug/l

RT: 1.10 min Scan# 48

Delta R.T. 0.00 min

Lab File: VF060691.D

Acq: 12 Nov 2018 18:05

Instrument :

MSVOA_F

ClientSampleId :

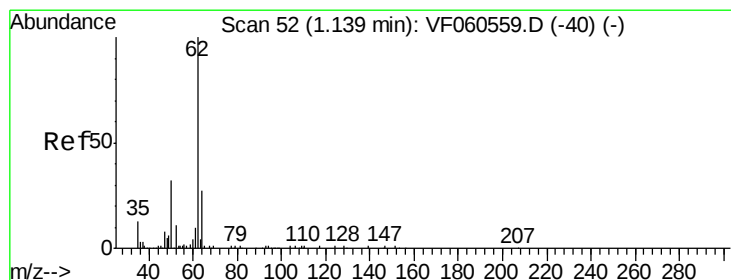
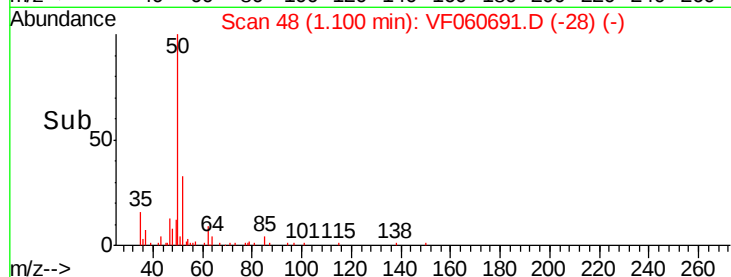
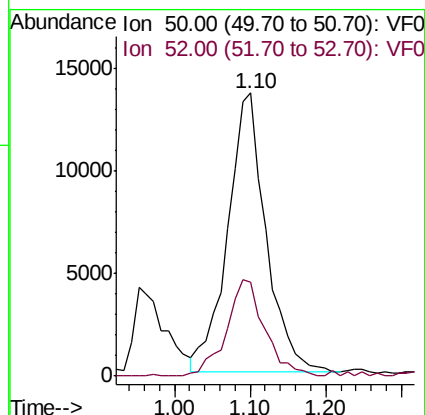
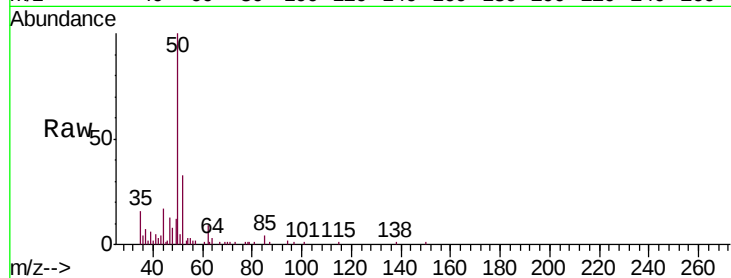
VF1112SBS01

Tgt Ion: 50 Resp: 47451

Ion Ratio Lower Upper

50 100

52 33.1 24.0 36.0



#4

Vinyl Chloride

Concen: 25.772 ug/l

RT: 1.14 min Scan# 52

Delta R.T. 0.00 min

Lab File: VF060691.D

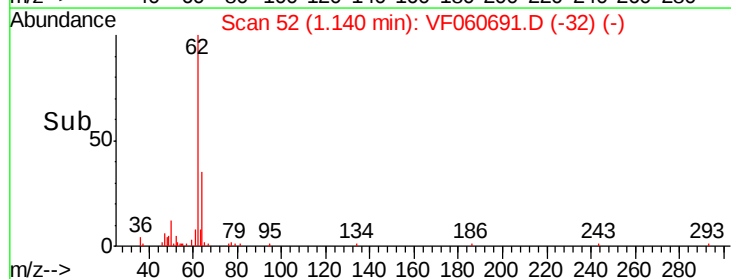
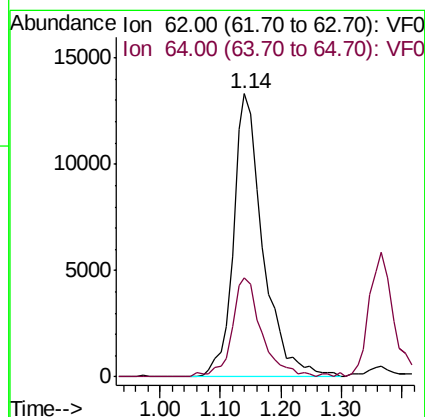
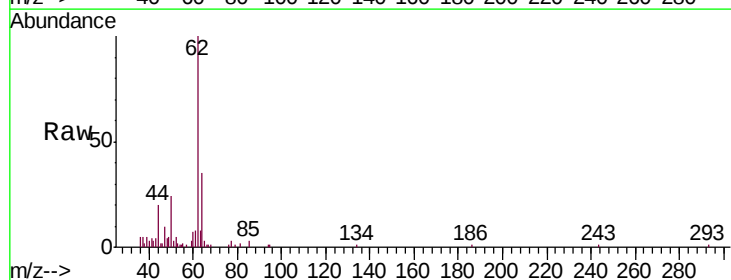
Acq: 12 Nov 2018 18:05

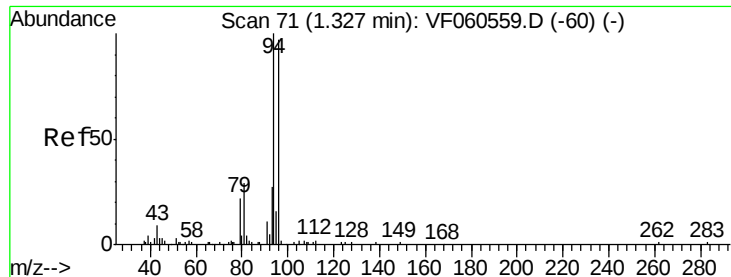
Tgt Ion: 62 Resp: 45174

Ion Ratio Lower Upper

62 100

64 35.0 21.8 32.6#





#5

Bromomethane

Concen: 25.814 ug/l

RT: 1.31 min Scan# 69

Delta R.T. -0.02 min

Lab File: VF060691.D

Acq: 12 Nov 2018 18:05

Instrument :

MSVOA_F

ClientSampleId :

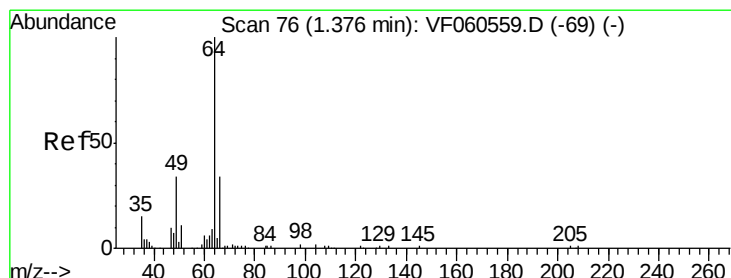
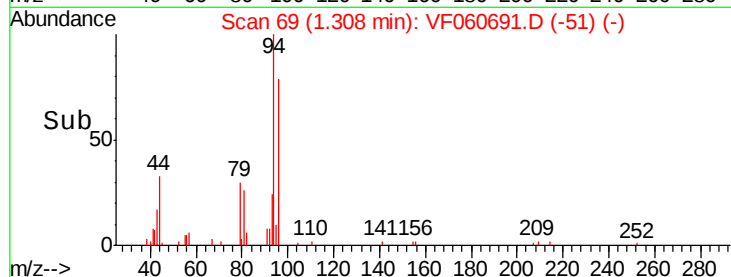
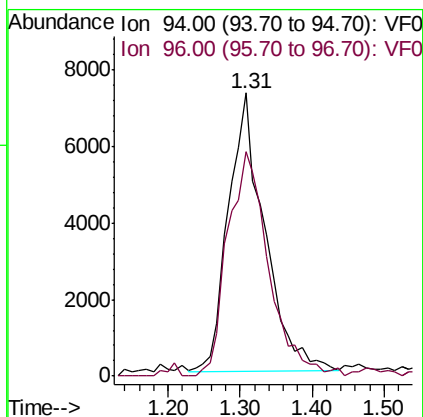
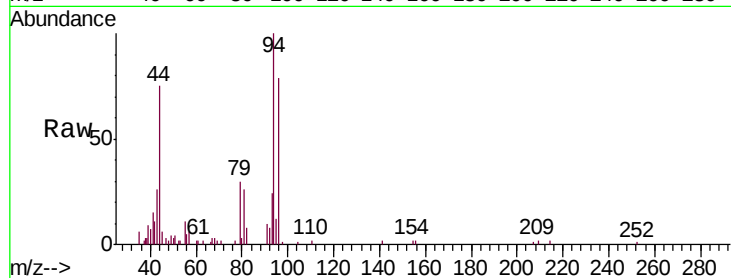
VF1112SBS01

Tgt Ion: 94 Resp: 25398

Ion Ratio Lower Upper

94 100

96 79.3 77.9 116.9



#6

Chloroethane

Concen: 24.574 ug/l

RT: 1.37 min Scan# 75

Delta R.T. -0.01 min

Lab File: VF060691.D

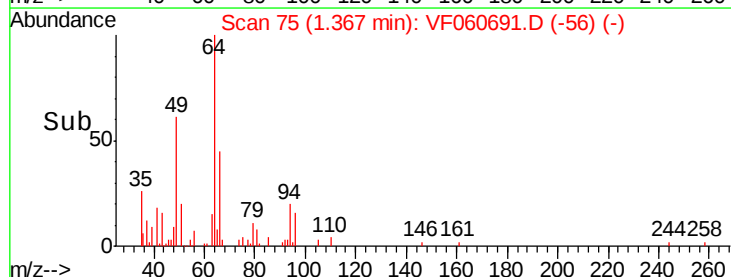
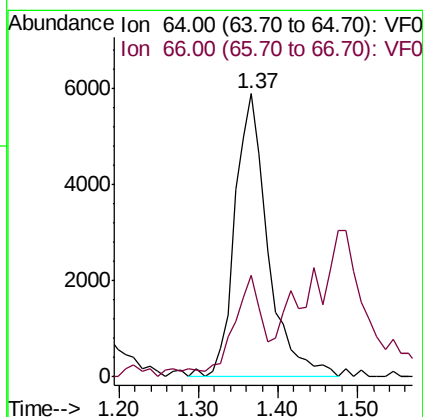
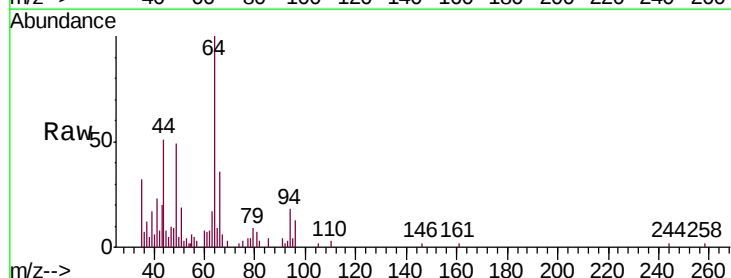
Acq: 12 Nov 2018 18:05

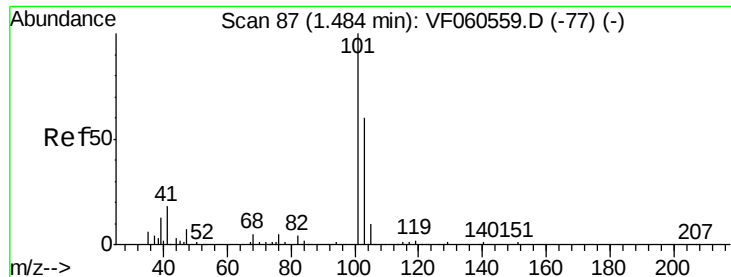
Tgt Ion: 64 Resp: 16935

Ion Ratio Lower Upper

64 100

66 36.1 27.8 41.8





#7

Trichlorofluoromethane

Concen: 28.701 ug/l

RT: 1.48 min Scan# 86

Delta R.T. -0.01 min

Lab File: VF060691.D

Acq: 12 Nov 2018 18:05

Instrument :

MSVOA_F

ClientSampleId :

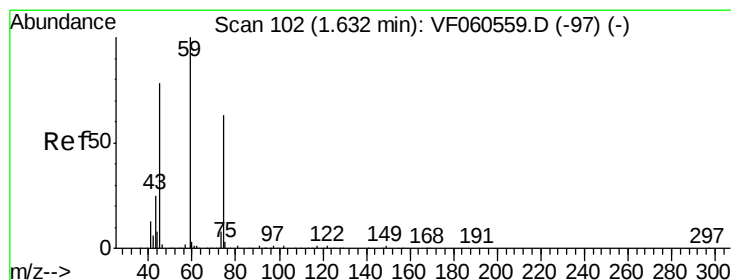
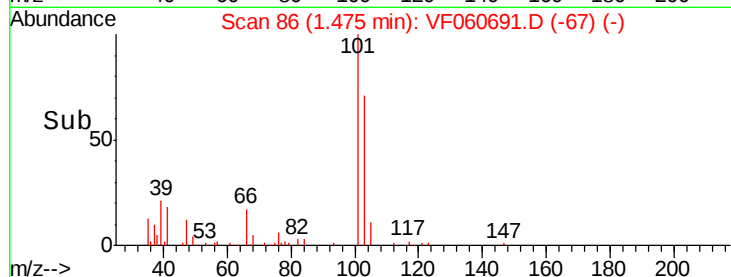
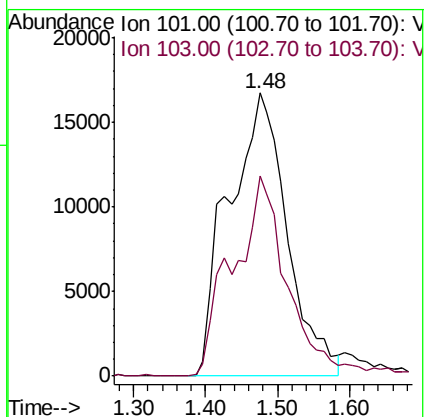
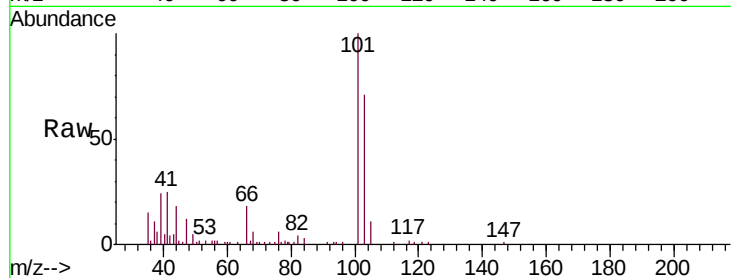
VF1112SBS01

Tgt Ion:101 Resp: 94159

Ion Ratio Lower Upper

101 100

103 70.5 48.0 72.0



#8

Diethyl Ether

Concen: 18.907 ug/l

RT: 1.62 min Scan# 101

Delta R.T. -0.01 min

Lab File: VF060691.D

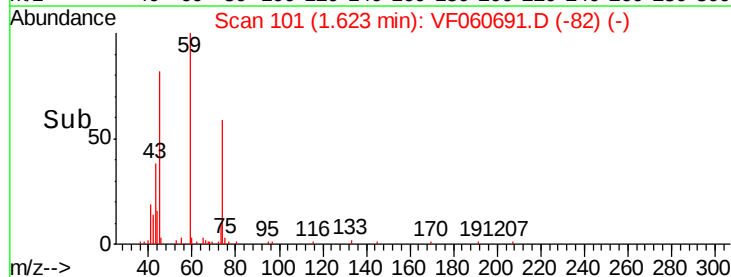
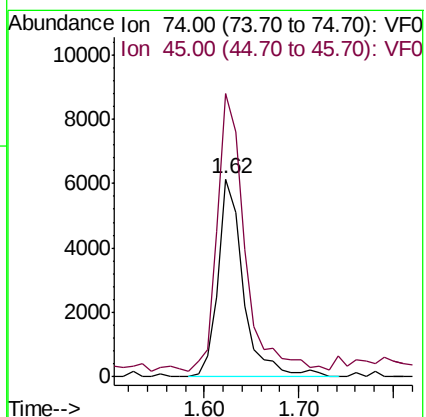
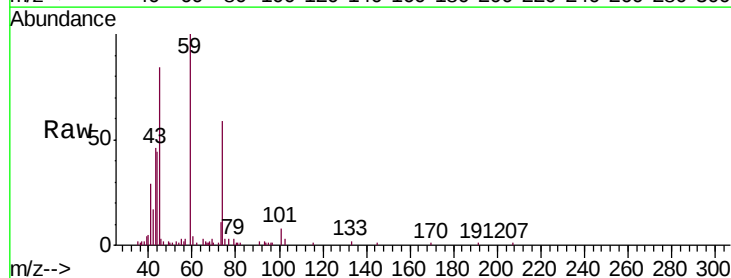
Acq: 12 Nov 2018 18:05

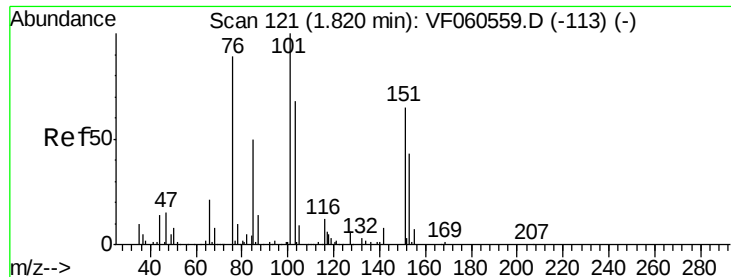
Tgt Ion: 74 Resp: 11496

Ion Ratio Lower Upper

74 100

45 142.8 63.8 191.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 25.796 ug/l

RT: 1.81 min Scan# 120

Delta R.T. -0.01 min

Lab File: VF060691.D

Acq: 12 Nov 2018 18:05

Instrument :

MSVOA_F

ClientSampleId :

VF1112SBS01

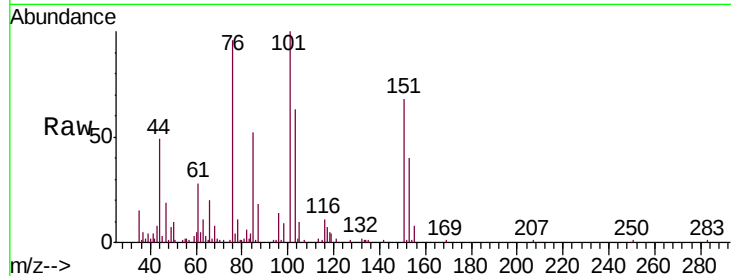
Tgt Ion:101 Resp: 48359

Ion Ratio Lower Upper

101 100

85 51.5 39.8 59.6

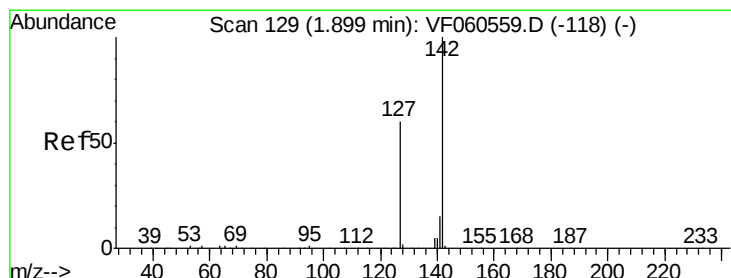
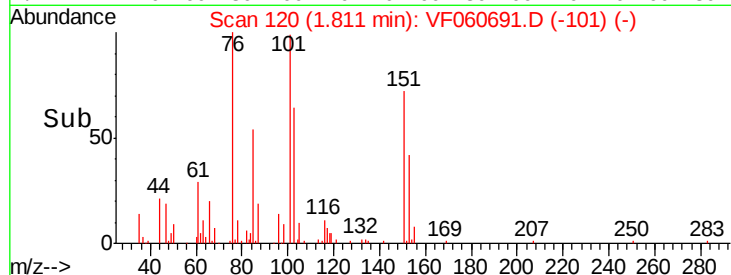
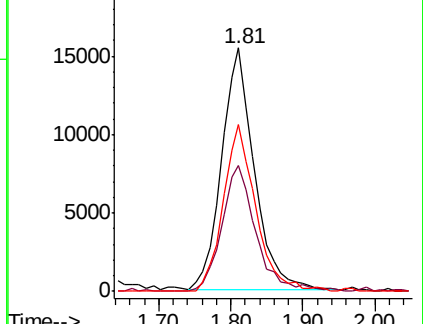
151 68.4 50.8 76.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 23.569 ug/l

RT: 1.87 min Scan# 126

Delta R.T. -0.03 min

Lab File: VF060691.D

Acq: 12 Nov 2018 18:05

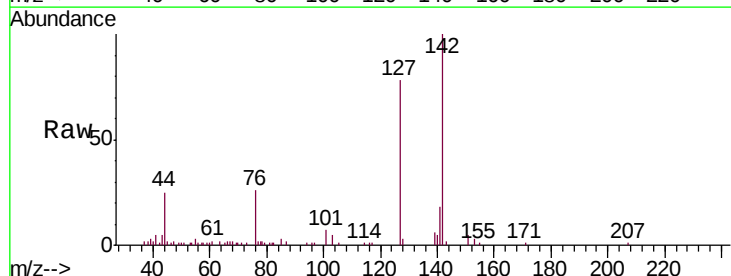
Tgt Ion:142 Resp: 72712

Ion Ratio Lower Upper

142 100

127 77.6 47.8 71.6#

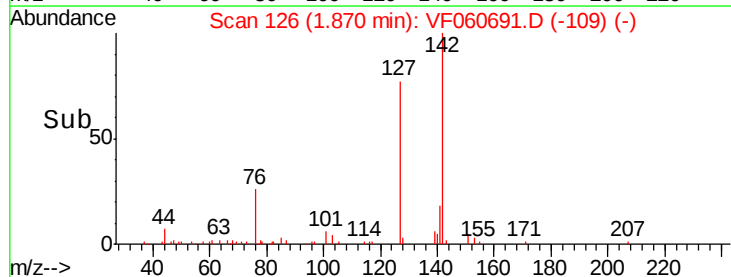
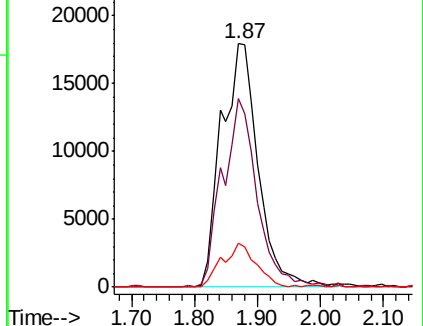
141 18.2 12.7 19.1

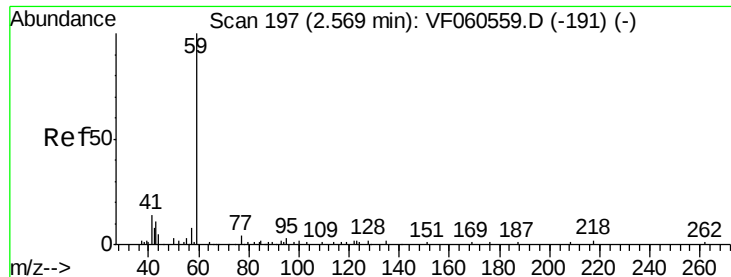


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



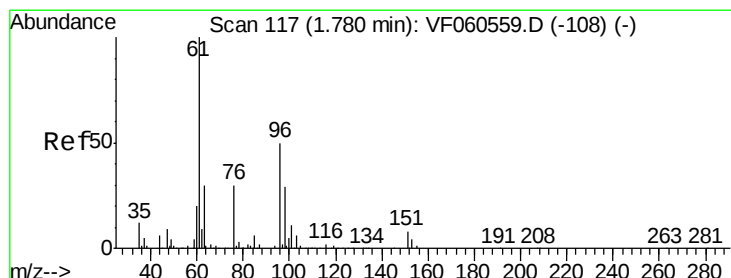
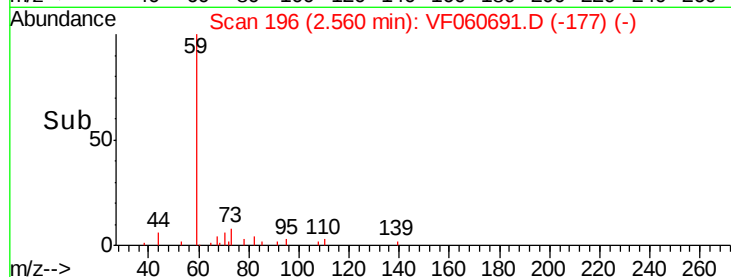
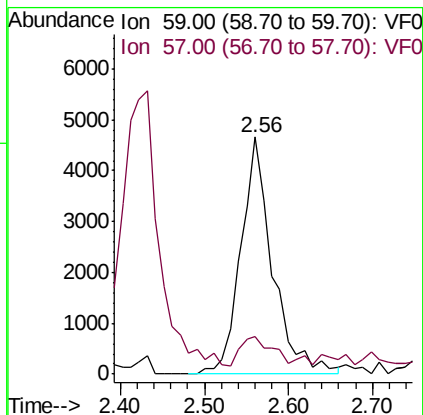
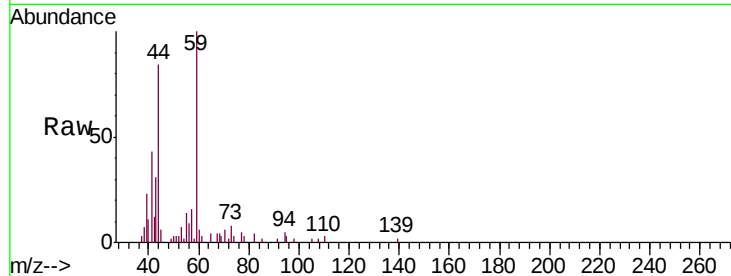


#11

Tert butyl alcohol
 Concen: 102.599 ug/l
 RT: 2.56 min Scan# 196
 Delta R.T. -0.01 min
 Lab File: VF060691.D
 Acq: 12 Nov 2018 18:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1112SBS01

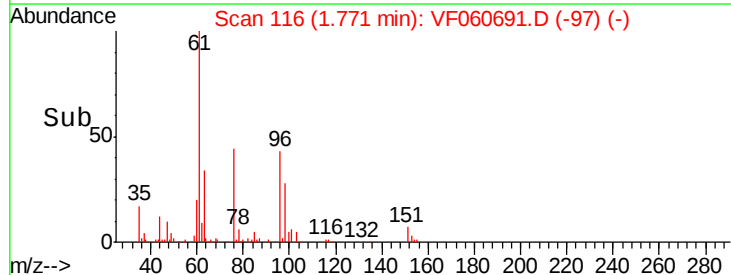
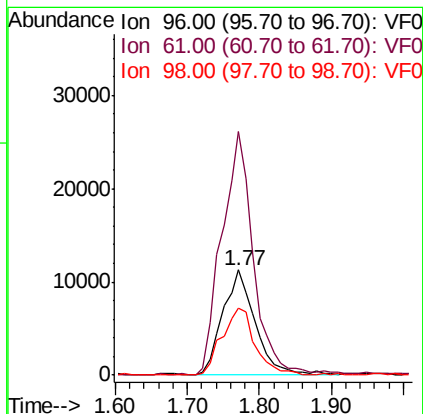
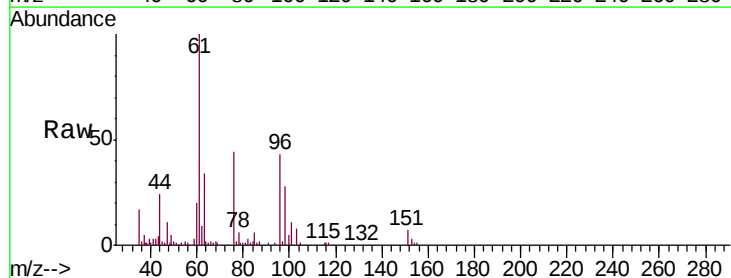
Tgt Ion: 59 Resp: 12259
 Ion Ratio Lower Upper
 59 100
 57 16.0 19.0 28.4#

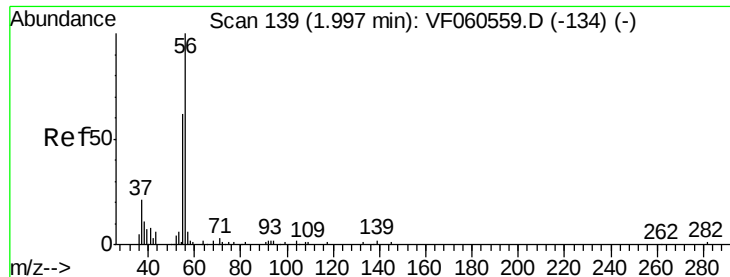


#12

1,1-Dichloroethene
 Concen: 22.418 ug/l
 RT: 1.77 min Scan# 116
 Delta R.T. -0.01 min
 Lab File: VF060691.D
 Acq: 12 Nov 2018 18:05

Tgt Ion: 96 Resp: 35397
 Ion Ratio Lower Upper
 96 100
 61 232.0 158.1 237.1
 98 64.2 47.0 70.6





#13

Acrolein

Concen: 114.986 ug/l

RT: 2.00 min Scan# 139

Delta R.T. 0.00 min

Lab File: VF060691.D

Acq: 12 Nov 2018 18:05

Instrument :

MSVOA_F

ClientSampleId :

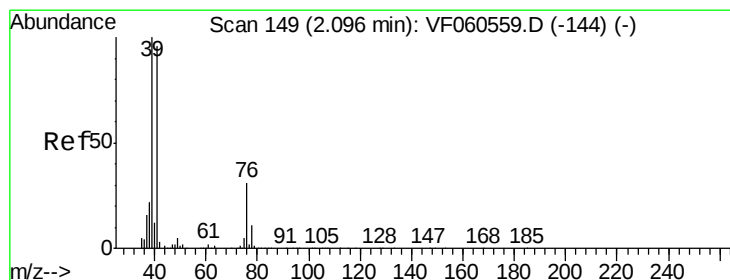
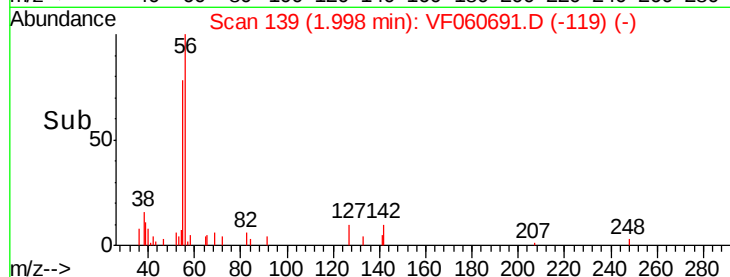
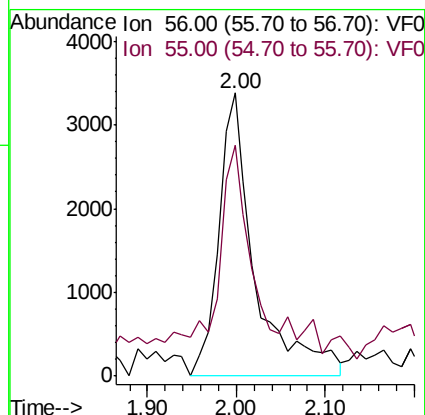
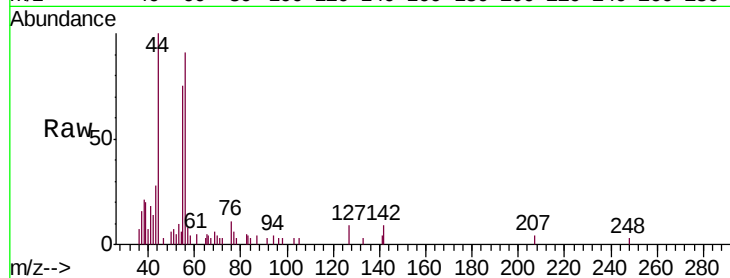
VF1112SBS01

Tgt Ion: 56 Resp: 9593

Ion Ratio Lower Upper

56 100

55 81.7 61.8 92.6



#14

Allyl chloride

Concen: 25.717 ug/l

RT: 2.09 min Scan# 148

Delta R.T. -0.01 min

Lab File: VF060691.D

Acq: 12 Nov 2018 18:05

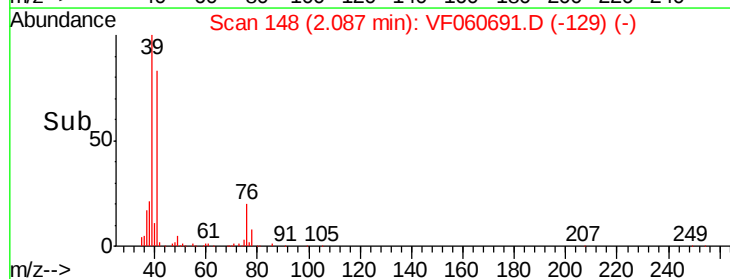
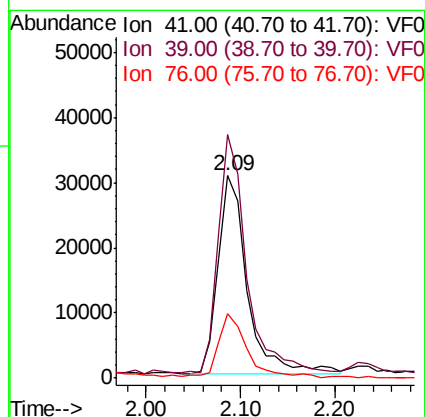
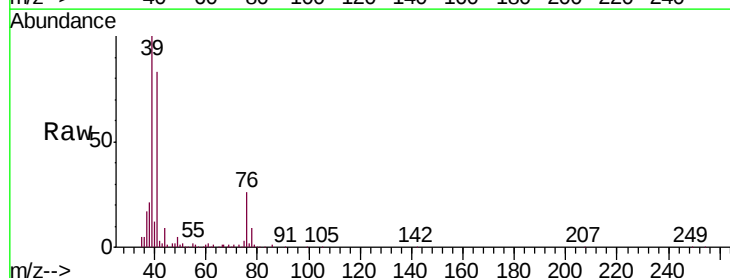
Tgt Ion: 41 Resp: 66303

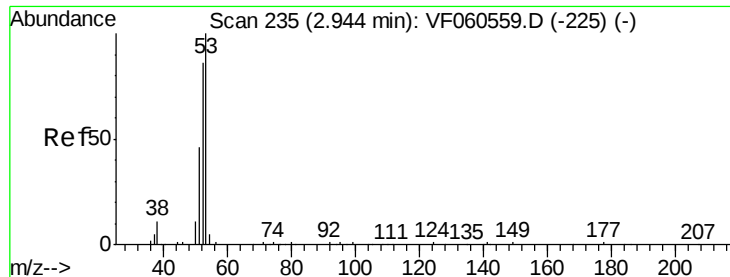
Ion Ratio Lower Upper

41 100

39 120.2 82.6 124.0

76 31.5 26.7 40.1

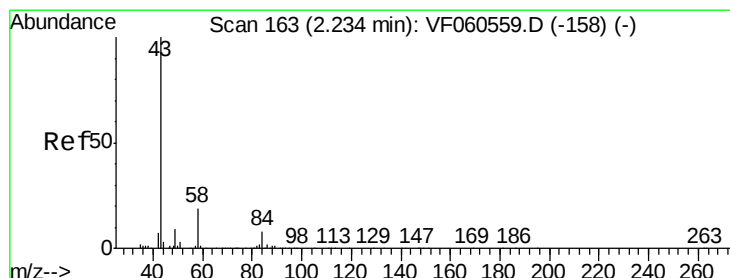
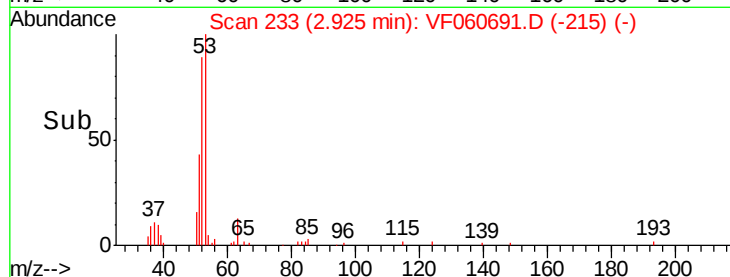
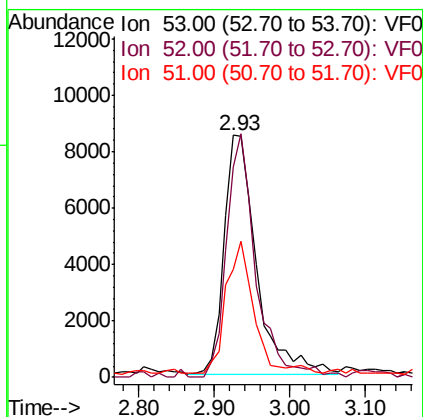
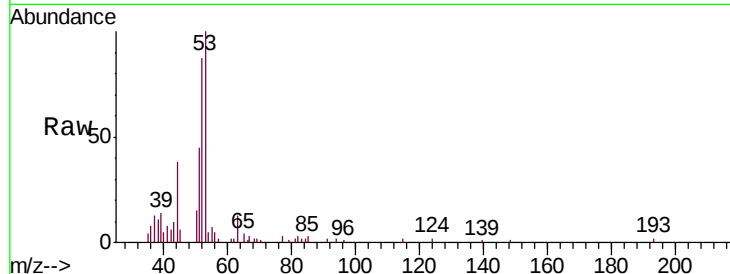




#15
 Acrylonitrile
 Concen: 96.242 ug/l
 RT: 2.93 min Scan# 233
 Delta R.T. -0.02 min
 Lab File: VF060691.D
 Acq: 12 Nov 2018 18:05

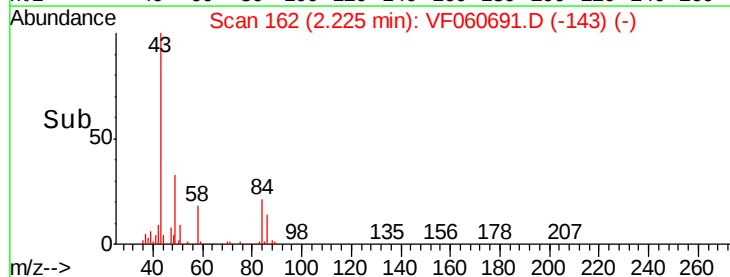
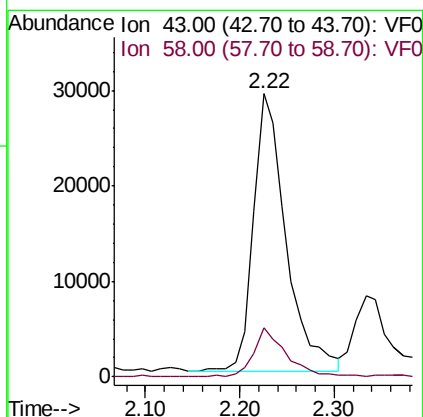
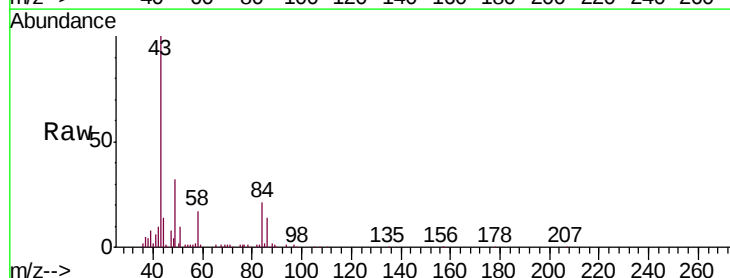
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1112SBS01

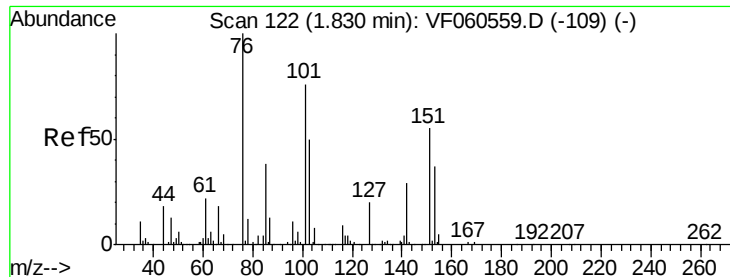
Tgt Ion: 53 Resp: 25188
 Ion Ratio Lower Upper
 53 100
 52 86.9 68.5 102.7
 51 44.6 38.2 57.2



#16
 Acetone
 Concen: 134.770 ug/l
 RT: 2.22 min Scan# 162
 Delta R.T. -0.01 min
 Lab File: VF060691.D
 Acq: 12 Nov 2018 18:05

Tgt Ion: 43 Resp: 69738
 Ion Ratio Lower Upper
 43 100
 58 17.5 14.6 22.0

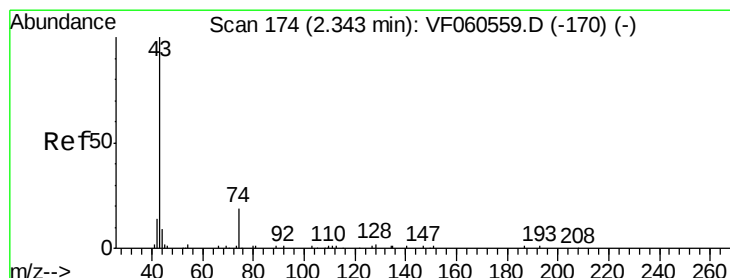
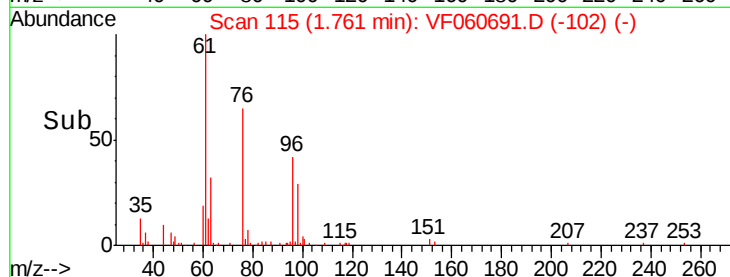
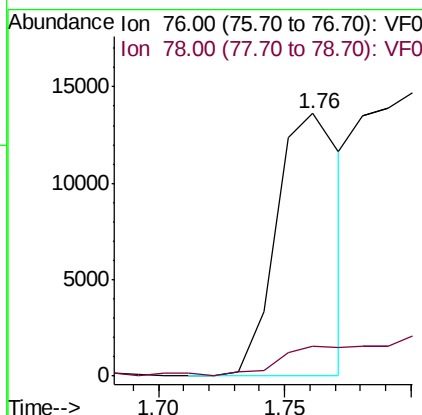
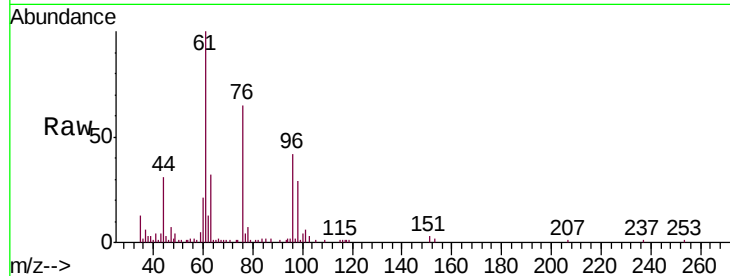




#17
Carbon Disulfide
Concen: 5.480 ug/l
RT: 1.76 min Scan# 115
Delta R.T. -0.07 min
Lab File: VF060691.D
Acq: 12 Nov 2018 18:05

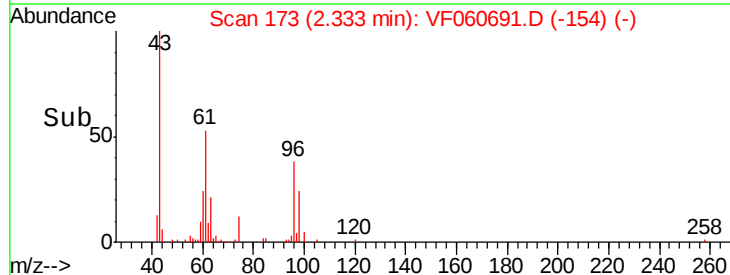
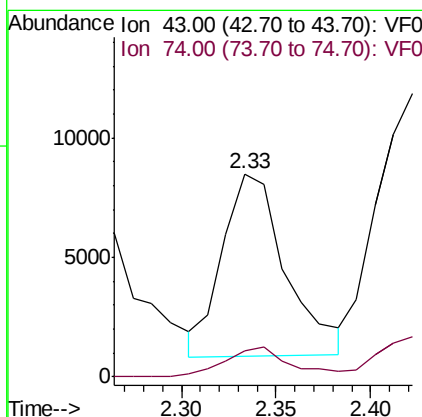
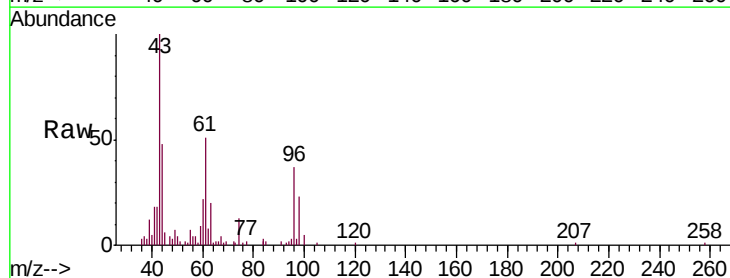
Instrument :
MSVOA_F
ClientSampleId :
VF1112SBS01

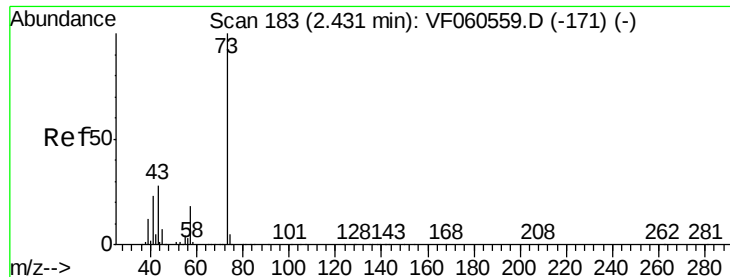
Tgt Ion: 76 Resp: 24371
Ion Ratio Lower Upper
76 100
78 11.2 9.9 14.9



#18
Methyl Acetate
Concen: 22.310 ug/l
RT: 2.33 min Scan# 173
Delta R.T. -0.01 min
Lab File: VF060691.D
Acq: 12 Nov 2018 18:05

Tgt Ion: 43 Resp: 17717
Ion Ratio Lower Upper
43 100
74 12.7 12.1 18.1



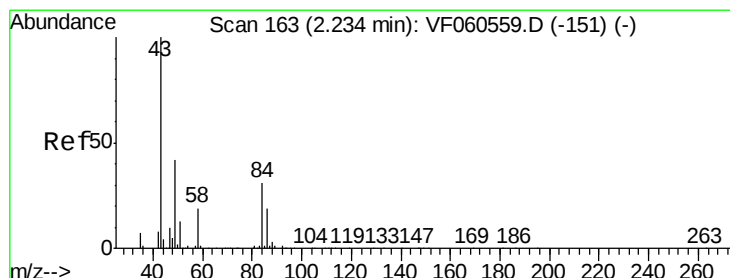
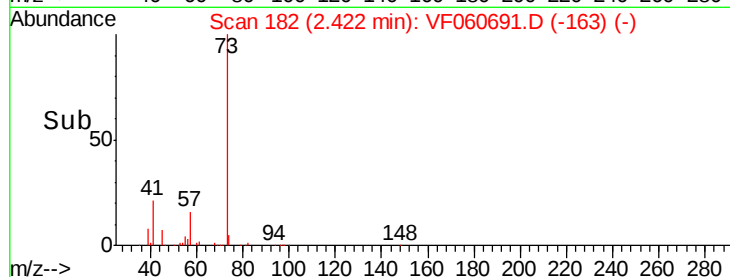
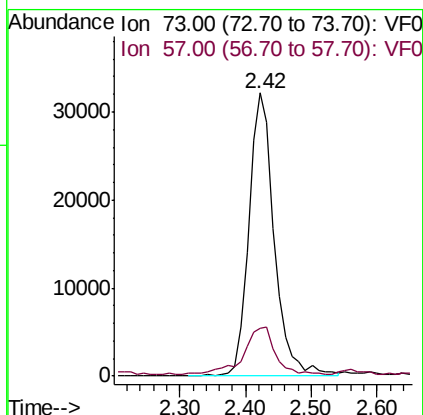
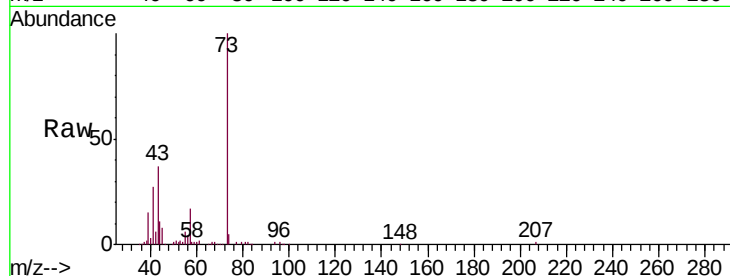


#19

Methyl tert-butyl Ether
 Concen: 23.643 ug/l
 RT: 2.42 min Scan# 182
 Delta R.T. -0.01 min
 Lab File: VF060691.D
 Acq: 12 Nov 2018 18:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1112SBS01

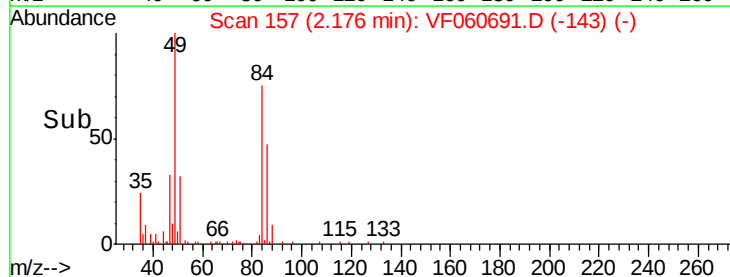
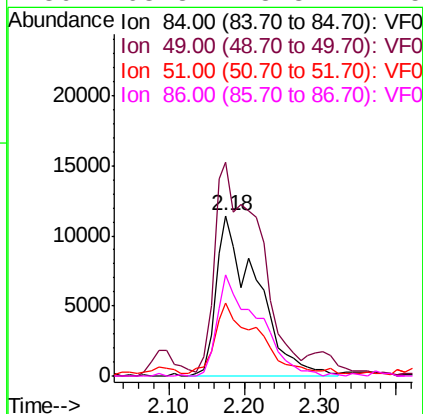
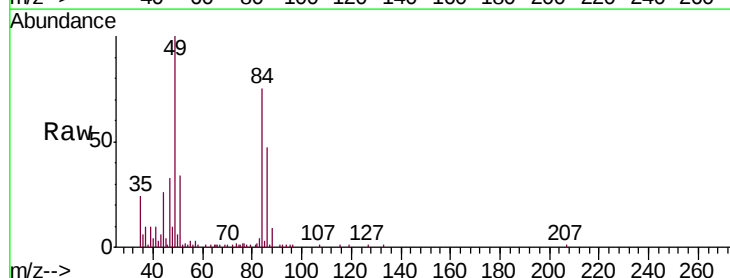
Tgt Ion: 73 Resp: 87267
 Ion Ratio Lower Upper
 73 100
 57 16.8 15.4 23.0

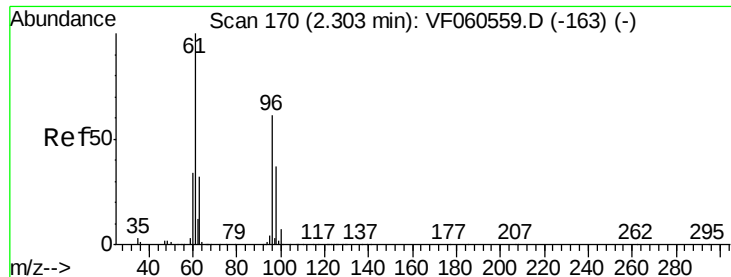


#20

Methylene Chloride
 Concen: 25.276 ug/l
 RT: 2.18 min Scan# 157
 Delta R.T. -0.06 min
 Lab File: VF060691.D
 Acq: 12 Nov 2018 18:05

Tgt Ion: 84 Resp: 42926
 Ion Ratio Lower Upper
 84 100
 49 133.5 109.9 164.9
 51 45.4 35.8 53.8
 86 63.3 48.3 72.5





#21

trans-1,2-Dichloroethene

Concen: 23.305 ug/l

RT: 2.30 min Scan# 170

Delta R.T. 0.00 min

Lab File: VF060691.D

Acq: 12 Nov 2018 18:05

Instrument :

MSVOA_F

ClientSampleId :

VF1112SBS01

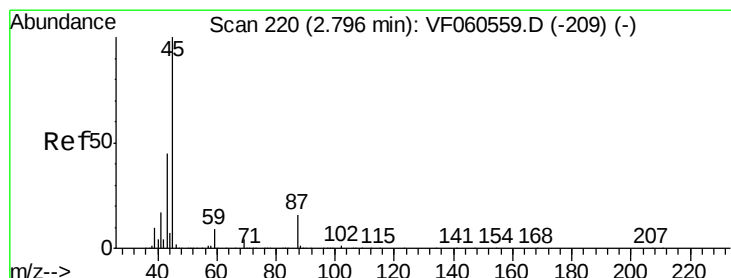
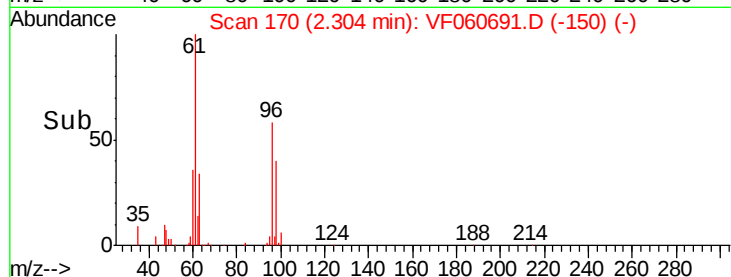
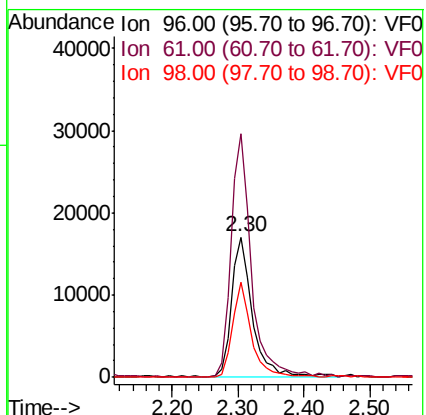
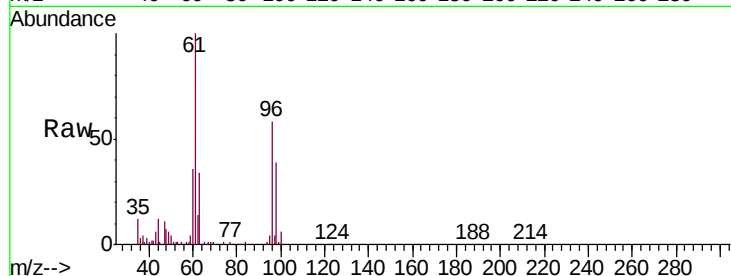
Tgt Ion: 96 Resp: 38605

Ion Ratio Lower Upper

96 100

61 173.3 131.3 196.9

98 67.8 48.6 73.0



#22

Diisopropyl ether

Concen: 22.434 ug/l

RT: 2.79 min Scan# 219

Delta R.T. -0.01 min

Lab File: VF060691.D

Acq: 12 Nov 2018 18:05

Tgt Ion: 45 Resp: 122545

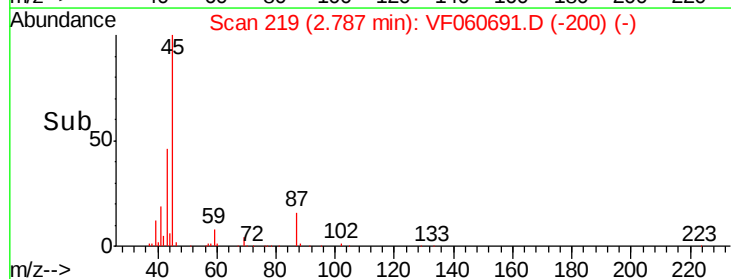
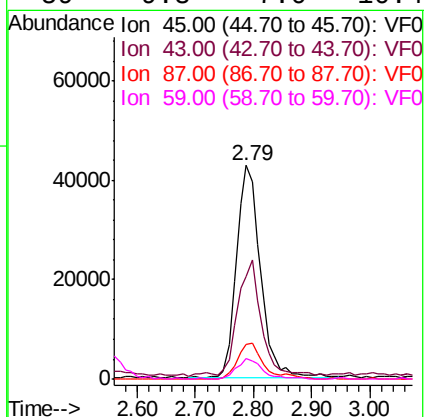
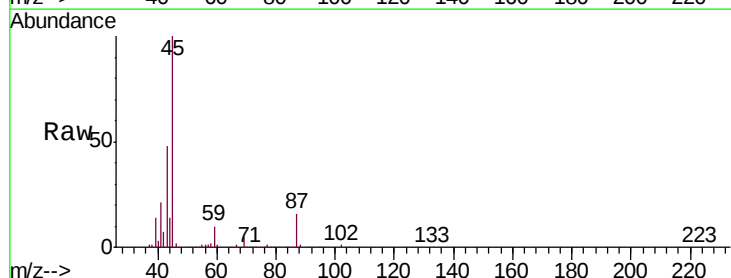
Ion Ratio Lower Upper

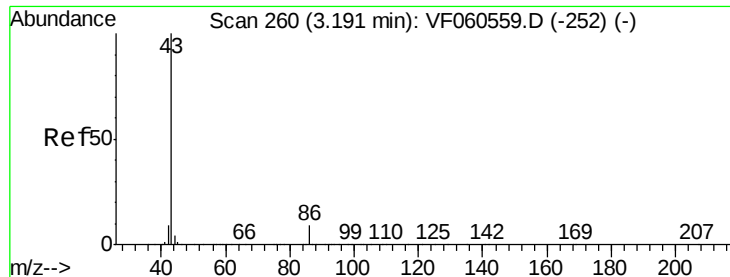
45 100

43 48.0 38.1 57.1

87 16.0 12.7 19.1

59 9.8 7.0 10.4





#23

Vinyl Acetate

Concen: 92.743 ug/l

RT: 3.17 min Scan# 258

Delta R.T. -0.02 min

Lab File: VF060691.D

Acq: 12 Nov 2018 18:05

Instrument :

MSVOA_F

ClientSampleId :

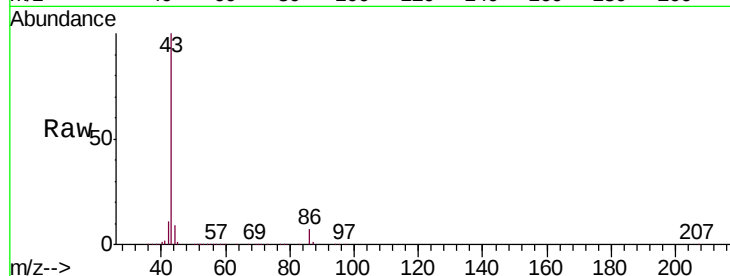
VF1112SBS01

Tgt Ion: 43 Resp: 304380

Ion Ratio Lower Upper

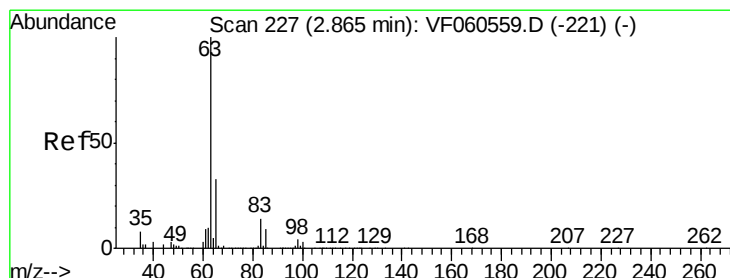
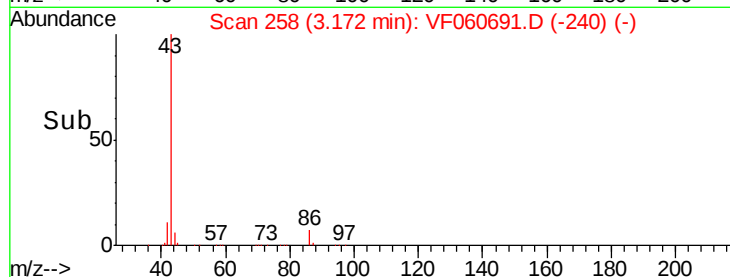
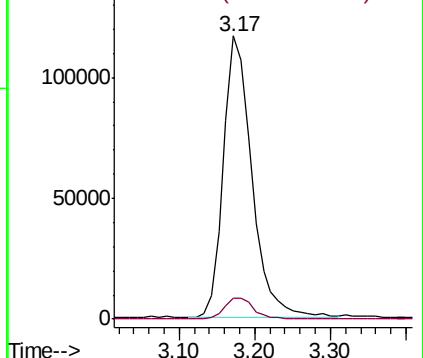
43 100

86 7.2 7.1 10.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 24.546 ug/l

RT: 2.87 min Scan# 227

Delta R.T. 0.00 min

Lab File: VF060691.D

Acq: 12 Nov 2018 18:05

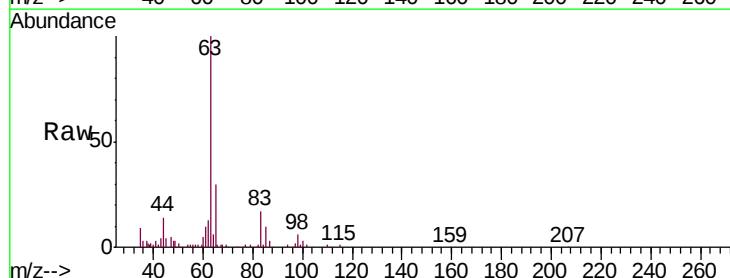
Tgt Ion: 63 Resp: 77596

Ion Ratio Lower Upper

63 100

98 5.6 2.2 6.6

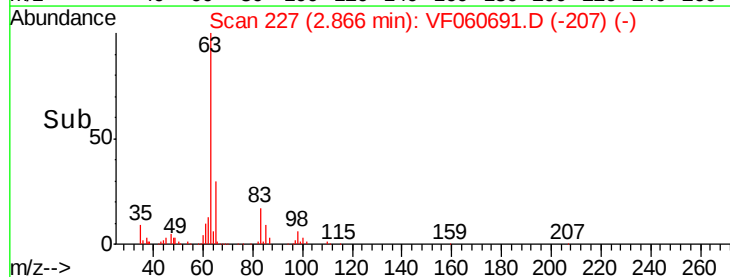
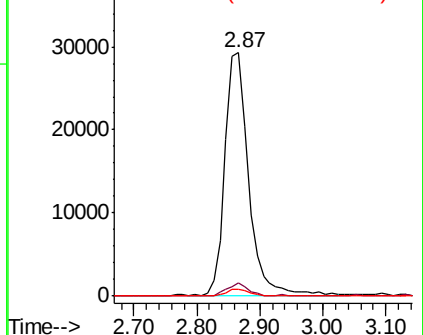
100 2.8 1.4 4.0

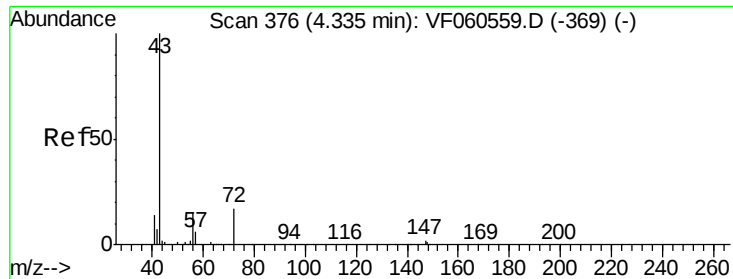


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 93.976 ug/l

RT: 4.32 min Scan# 374

Delta R.T. -0.02 min

Lab File: VF060691.D

Acq: 12 Nov 2018 18:05

Instrument :

MSVOA_F

ClientSampleId :

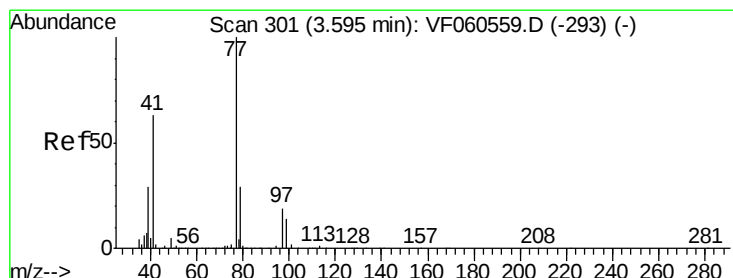
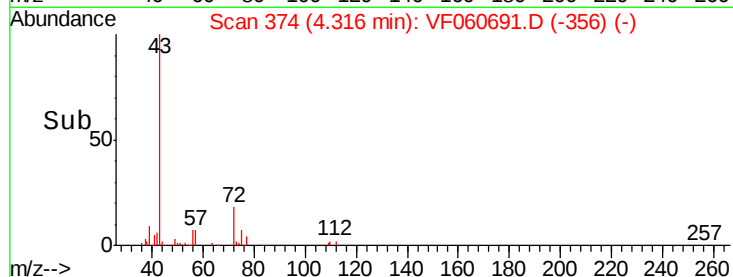
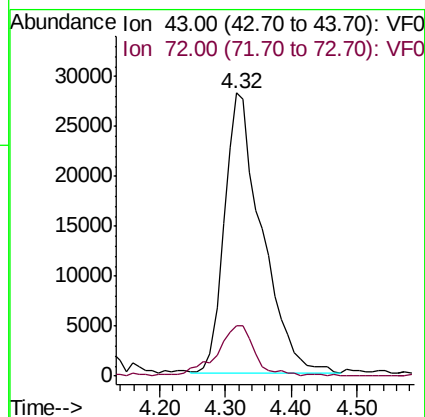
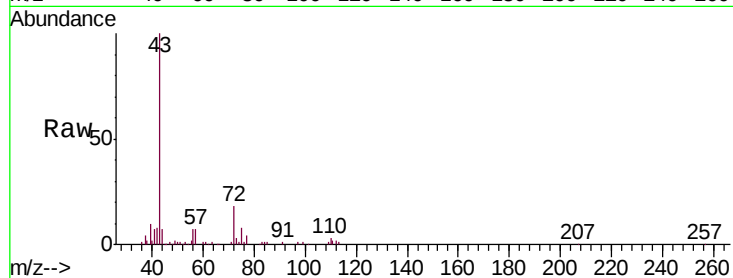
VF1112SBS01

Tgt Ion: 43 Resp: 110936

Ion Ratio Lower Upper

43 100

72 17.6 16.2 24.2



#26

2,2-Dichloropropane

Concen: 27.048 ug/l

RT: 3.59 min Scan# 300

Delta R.T. -0.01 min

Lab File: VF060691.D

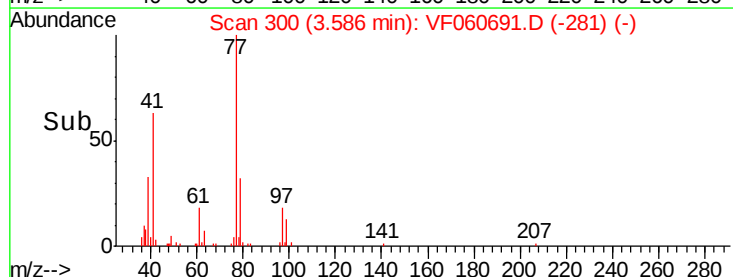
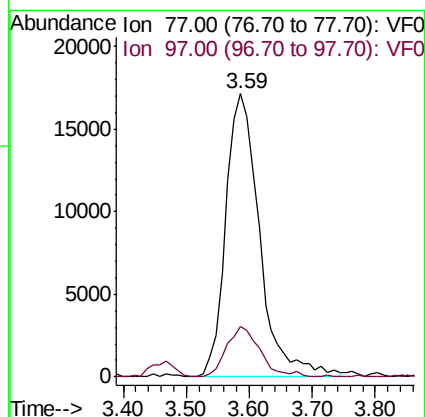
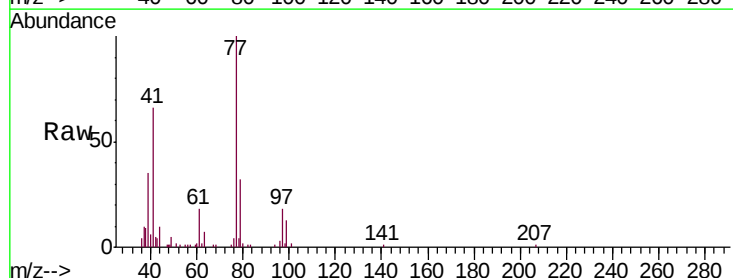
Acq: 12 Nov 2018 18:05

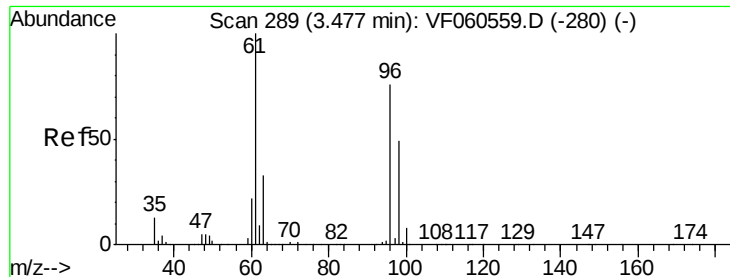
Tgt Ion: 77 Resp: 63980

Ion Ratio Lower Upper

77 100

97 17.7 9.8 29.3



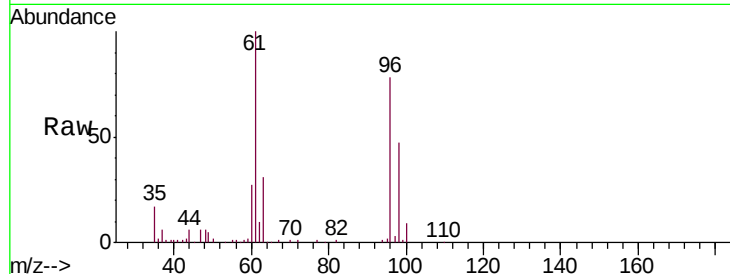


#27

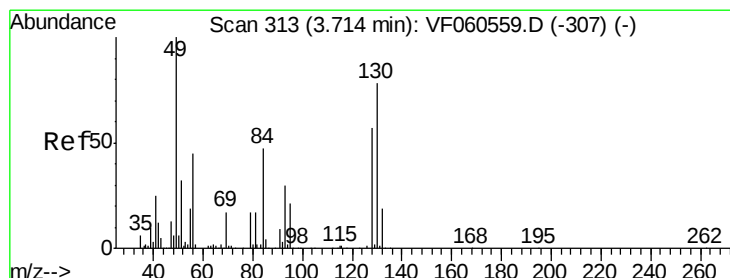
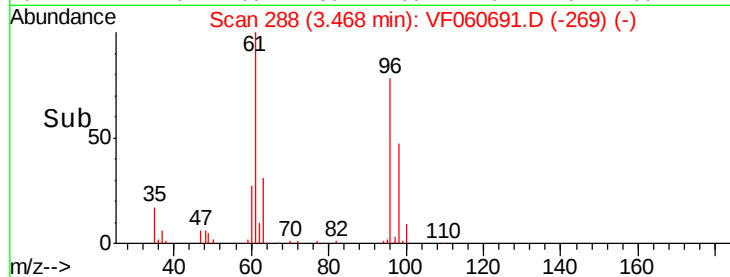
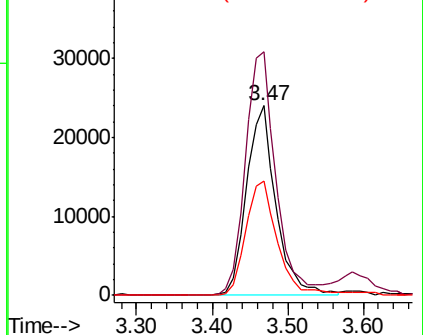
cis-1,2-Dichloroethene
Concen: 20.647 ug/l
RT: 3.47 min Scan# 288
Delta R.T. -0.01 min
Lab File: VF060691.D
Acq: 12 Nov 2018 18:05

Instrument :
MSVOA_F
ClientSampleId :
VF1112SBS01

Tgt Ion: 96 Resp: 65292
Ion Ratio Lower Upper
96 100
61 128.5 0.0 263.0
98 60.6 0.0 130.6



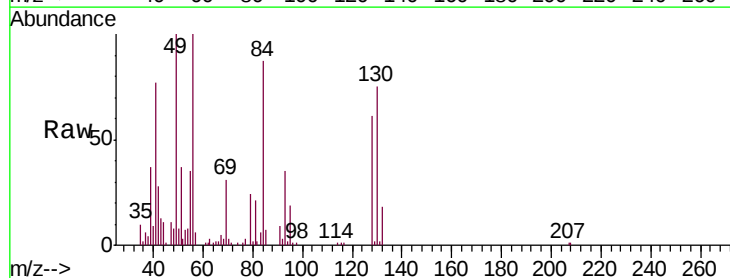
Abundance Ion 96.00 (95.70 to 96.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 98.00 (97.70 to 98.70): VF0



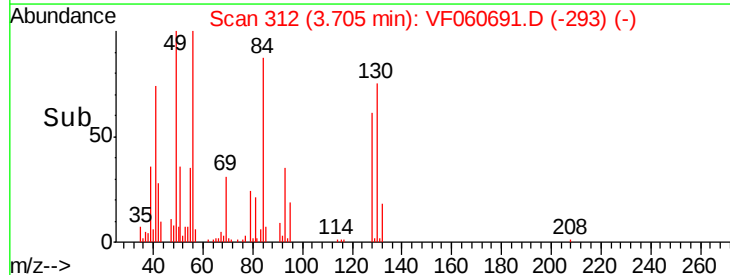
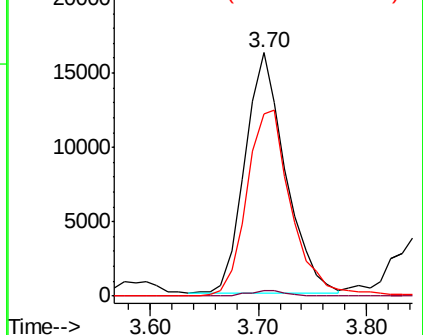
#28

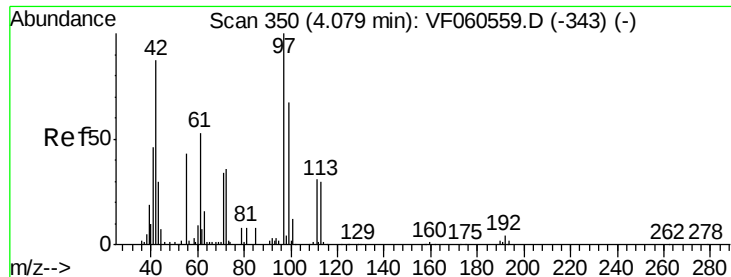
Bromochloromethane
Concen: 21.434 ug/l
RT: 3.70 min Scan# 312
Delta R.T. -0.01 min
Lab File: VF060691.D
Acq: 12 Nov 2018 18:05

Tgt Ion: 49 Resp: 42524
Ion Ratio Lower Upper
49 100
129 2.4 0.0 4.6
130 74.8 61.8 92.8



Abundance Ion 49.00 (48.70 to 49.70): VF0
Ion 129.00 (128.70 to 129.70): V
Ion 130.00 (129.70 to 130.70): V





#29

Tetrahydrofuran

Concen: 83.739 ug/l

RT: 4.06 min Scan# 348

Delta R.T. -0.02 min

Lab File: VF060691.D

Acq: 12 Nov 2018 18:05

Instrument :

MSVOA_F

ClientSampleId :

VF1112SBS01

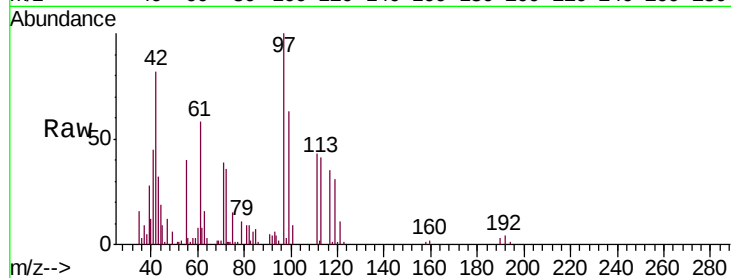
Tgt Ion: 42 Resp: 34878

Ion Ratio Lower Upper

42 100

72 41.5 31.4 47.0

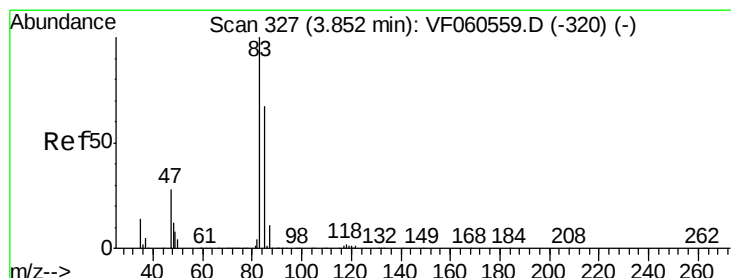
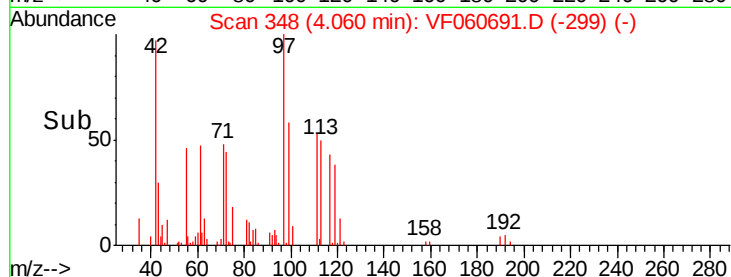
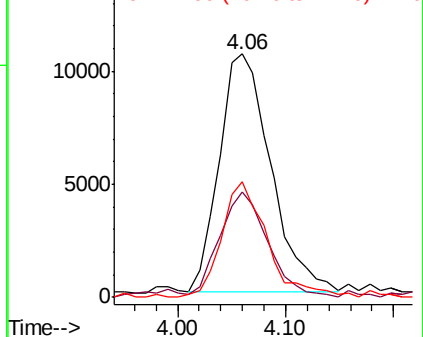
71 42.8 31.8 47.6



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 23.339 ug/l

RT: 3.84 min Scan# 326

Delta R.T. -0.01 min

Lab File: VF060691.D

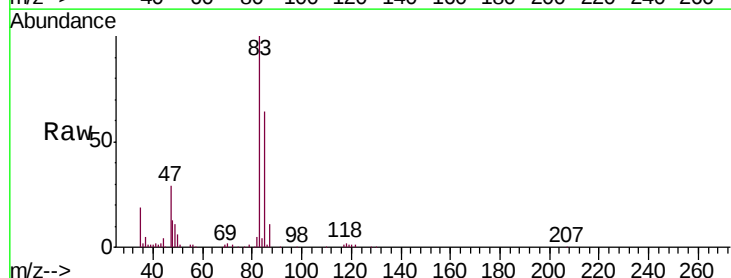
Acq: 12 Nov 2018 18:05

Tgt Ion: 83 Resp: 116730

Ion Ratio Lower Upper

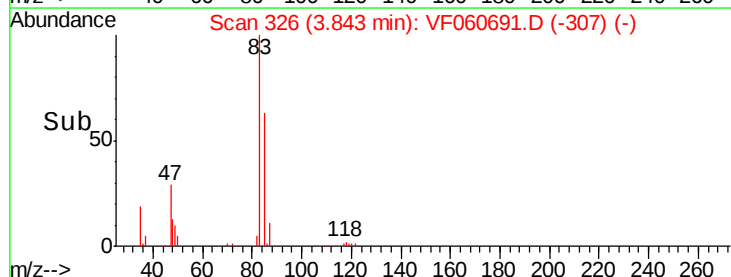
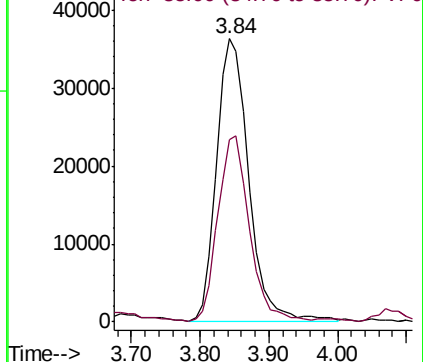
83 100

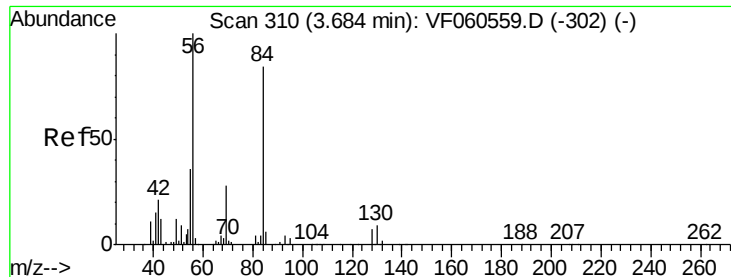
85 64.4 53.7 80.5



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

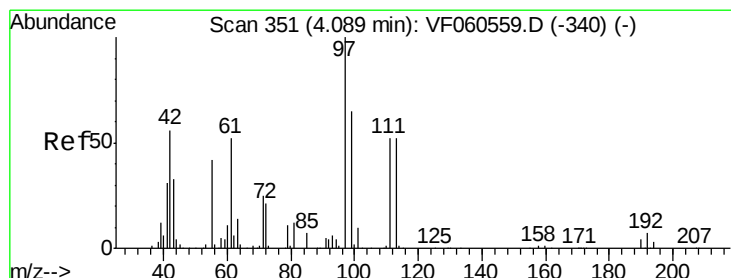
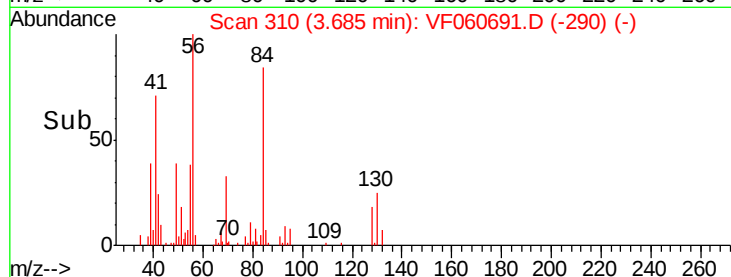
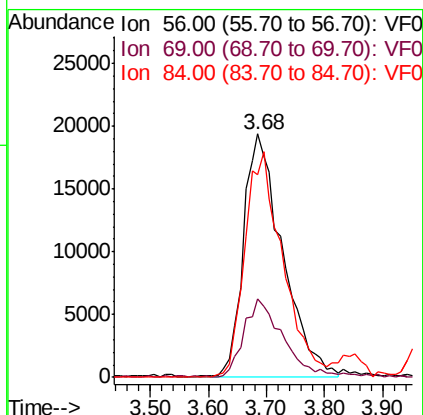
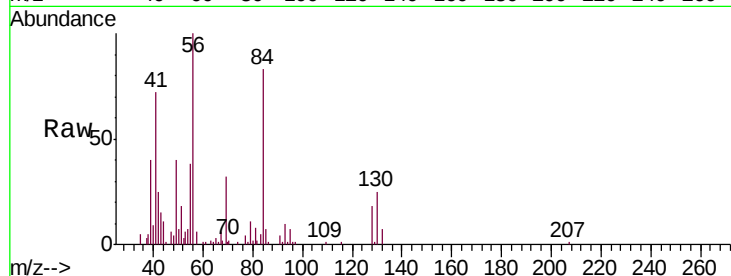




#31
Cyclohexane
Concen: 20.939 ug/l
RT: 3.68 min Scan# 310
Delta R.T. 0.00 min
Lab File: VF060691.D
Acq: 12 Nov 2018 18:05

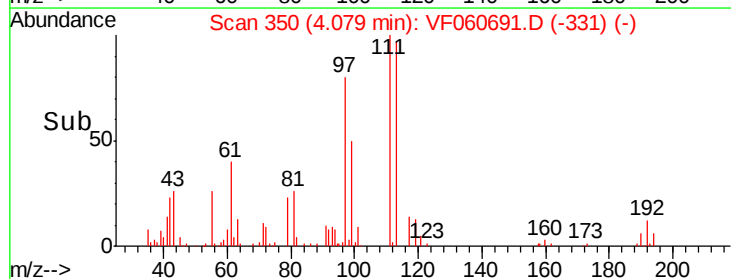
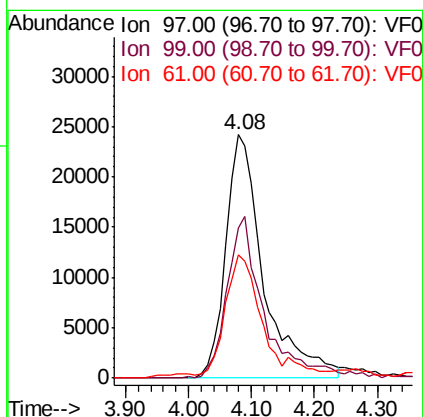
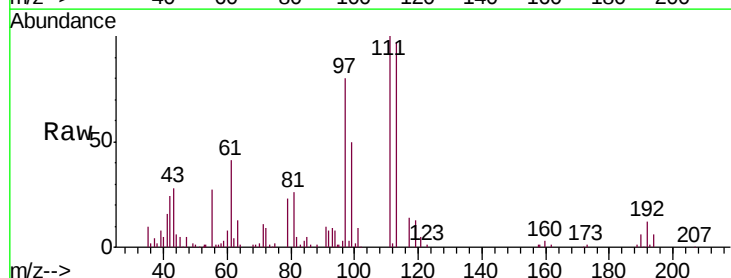
Instrument :
MSVOA_F
ClientSampleId :
VF1112SBS01

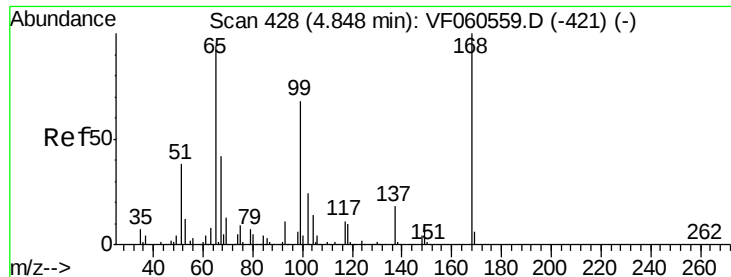
Tgt Ion: 56 Resp: 91346
Ion Ratio Lower Upper
56 100
69 32.5 23.0 34.4
84 83.1 67.1 100.7



#32
1,1,1-Trichloroethane
Concen: 28.829 ug/l
RT: 4.08 min Scan# 350
Delta R.T. -0.01 min
Lab File: VF060691.D
Acq: 12 Nov 2018 18:05

Tgt Ion: 97 Resp: 100704
Ion Ratio Lower Upper
97 100
99 61.7 52.4 78.6
61 50.5 41.5 62.3





#33

1,2-Dichloroethane-d4

Concen: 59.498 ug/l

RT: 4.83 min Scan# 426

Delta R.T. -0.02 min

Lab File: VF060691.D

Acq: 12 Nov 2018 18:05

Instrument :

MSVOA_F

ClientSampleId :

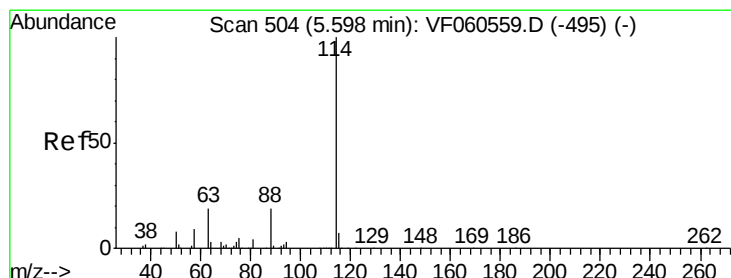
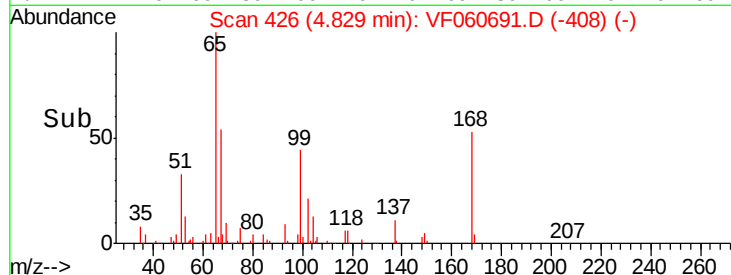
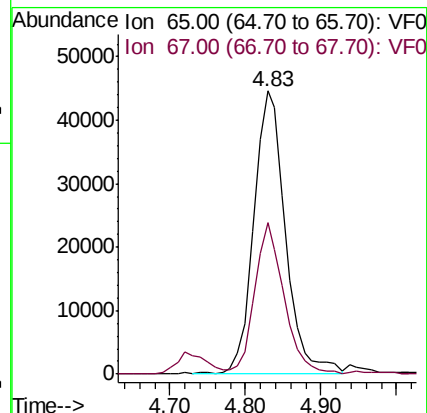
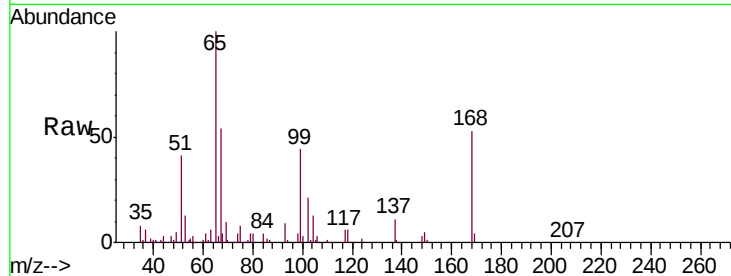
VF1112SBS01

Tgt Ion: 65 Resp: 130657

Ion Ratio Lower Upper

65 100

67 53.6 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.59 min Scan# 503

Delta R.T. -0.01 min

Lab File: VF060691.D

Acq: 12 Nov 2018 18:05

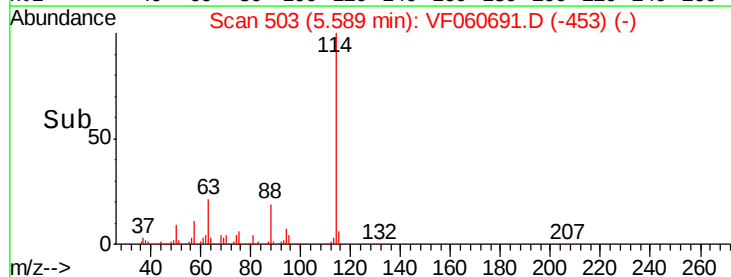
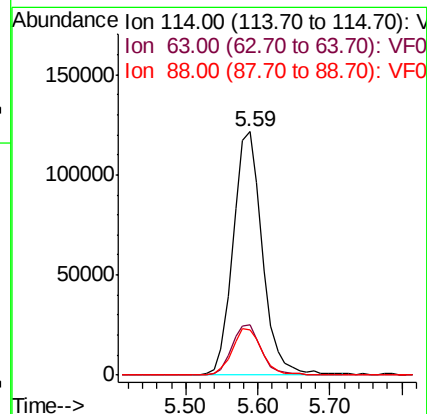
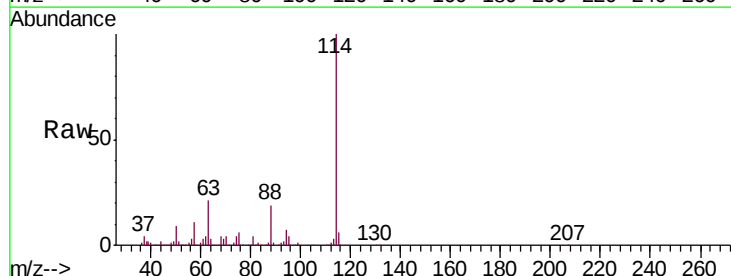
Tgt Ion: 114 Resp: 344018

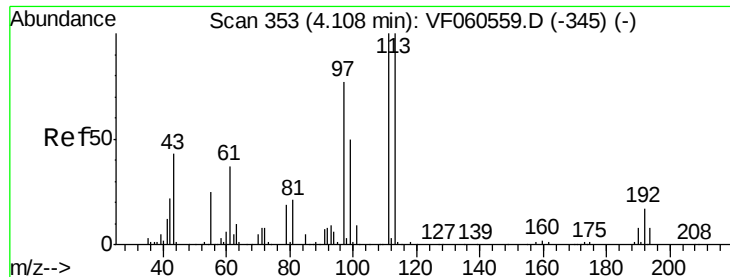
Ion Ratio Lower Upper

114 100

63 20.8 0.0 39.0

88 18.6 0.0 38.2





#35

Dibromofluoromethane

Concen: 55.723 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.01 min

Lab File: VF060691.D

Acq: 12 Nov 2018 18:05

Instrument :

MSVOA_F

ClientSampleId :

VF1112SBS01

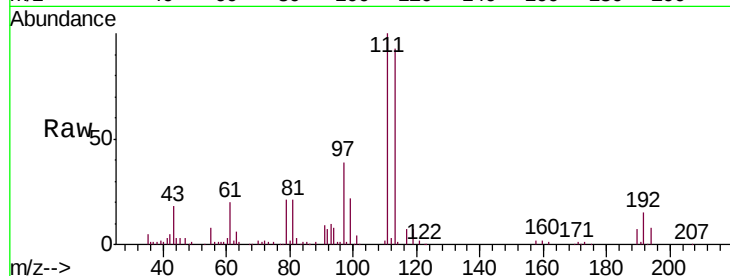
Tgt Ion:113 Resp: 148104

Ion Ratio Lower Upper

113 100

111 107.0 79.9 119.9

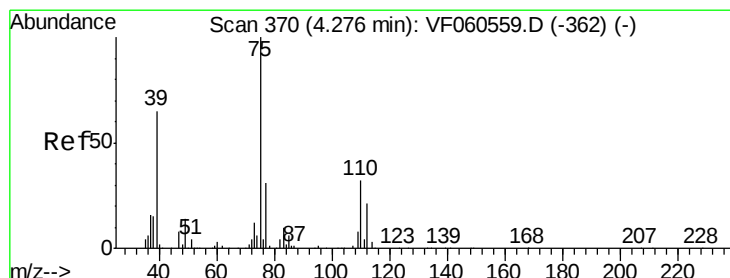
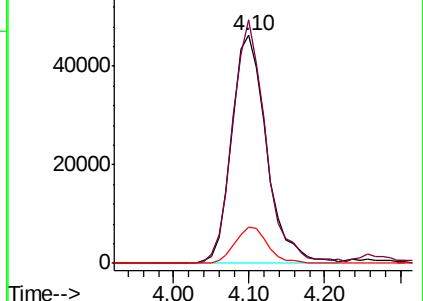
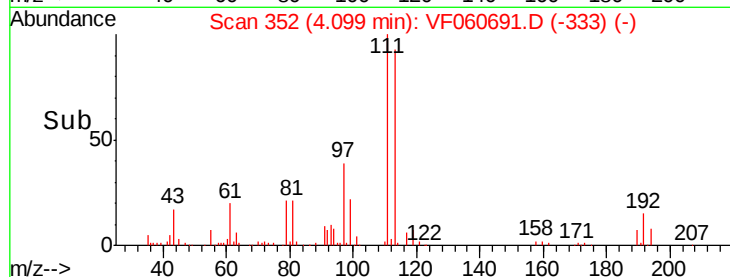
192 16.2 13.3 19.9



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 23.735 ug/l

RT: 4.27 min Scan# 369

Delta R.T. -0.01 min

Lab File: VF060691.D

Acq: 12 Nov 2018 18:05

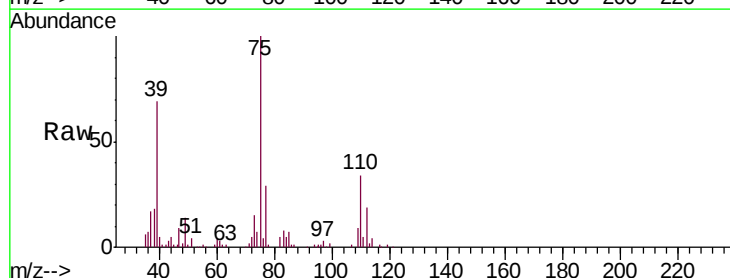
Tgt Ion: 75 Resp: 89904

Ion Ratio Lower Upper

75 100

110 34.1 16.2 48.6

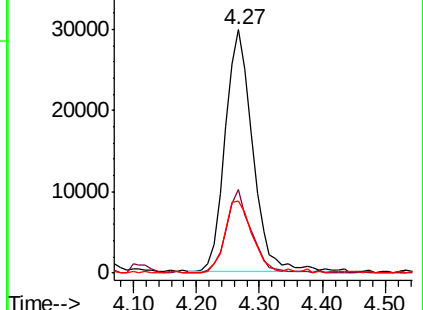
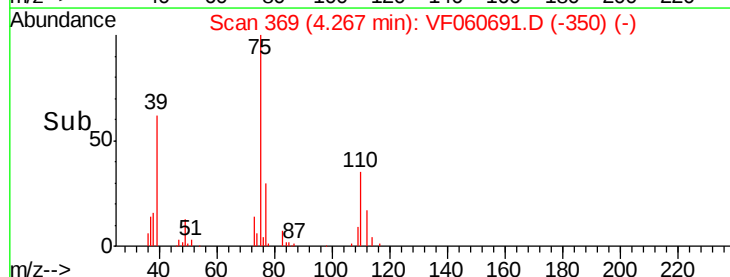
77 29.4 25.0 37.6

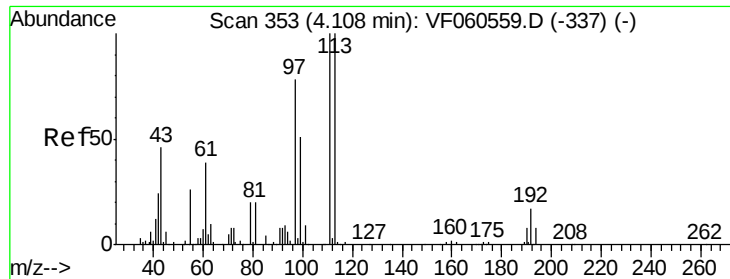


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

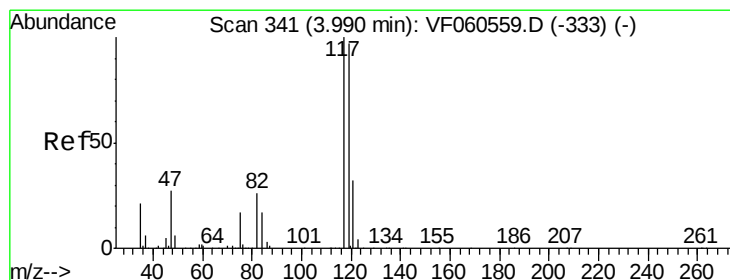
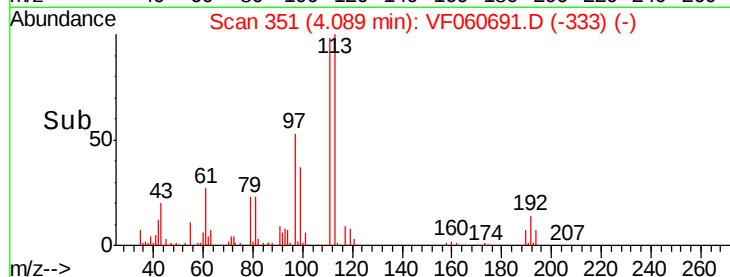
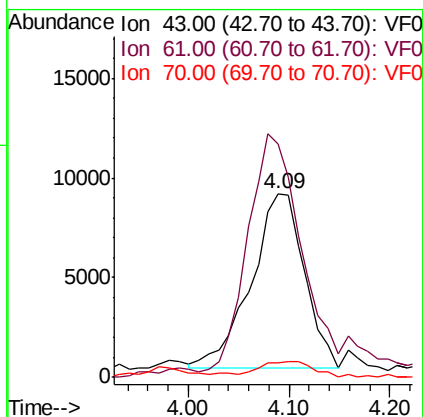
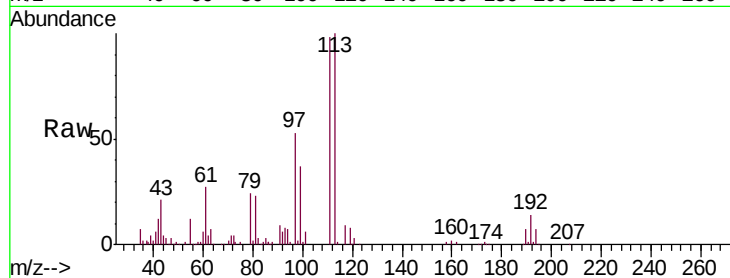




#37
Ethyl Acetate
Concen: 17.728 ug/l
RT: 4.09 min Scan# 351
Delta R.T. -0.02 min
Lab File: VF060691.D
Acq: 12 Nov 2018 18:05

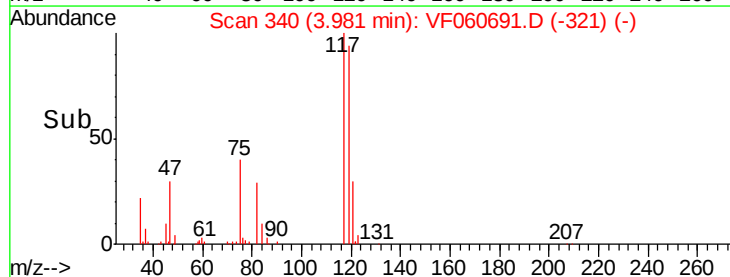
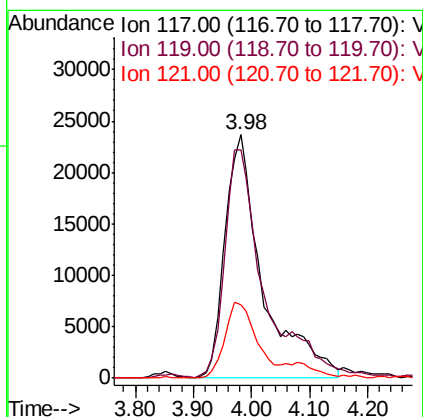
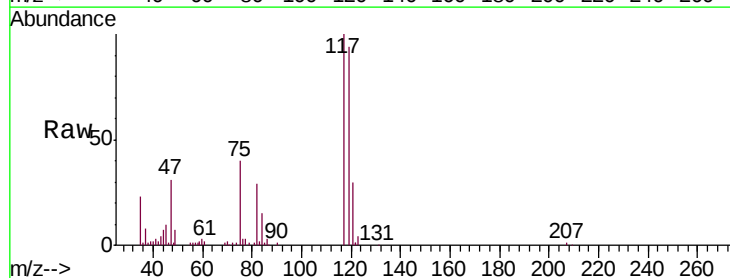
Instrument :
MSVOA_F
ClientSampleId :
VF1112SBS01

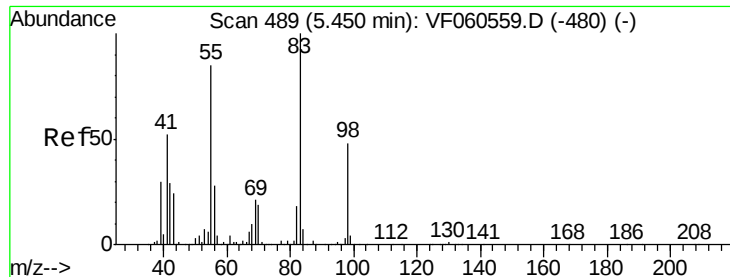
Tgt Ion: 43 Resp: 32236
Ion Ratio Lower Upper
43 100
61 126.7 63.4 95.2#
70 7.6 9.3 13.9#



#38
Carbon Tetrachloride
Concen: 32.675 ug/l
RT: 3.98 min Scan# 340
Delta R.T. -0.01 min
Lab File: VF060691.D
Acq: 12 Nov 2018 18:05

Tgt Ion: 117 Resp: 105760
Ion Ratio Lower Upper
117 100
119 93.9 77.8 116.6
121 30.6 25.6 38.4

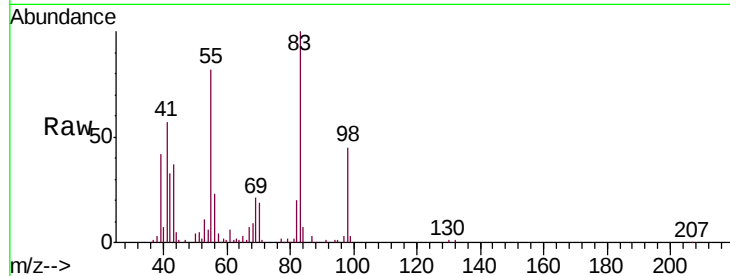




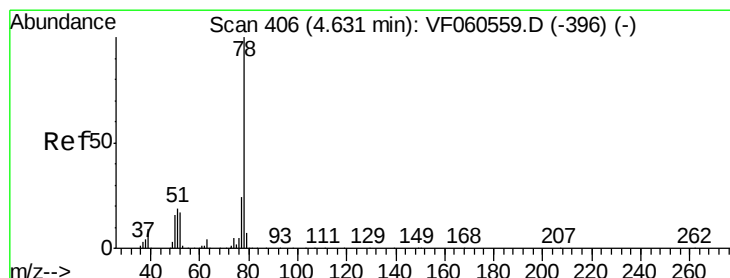
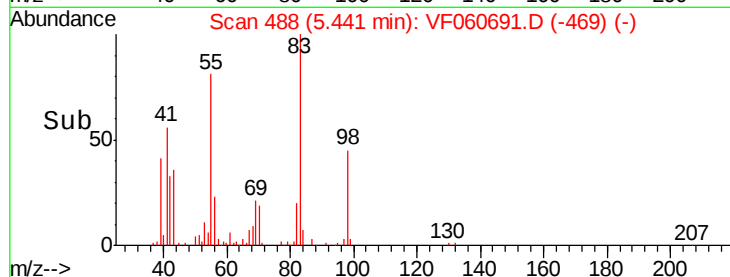
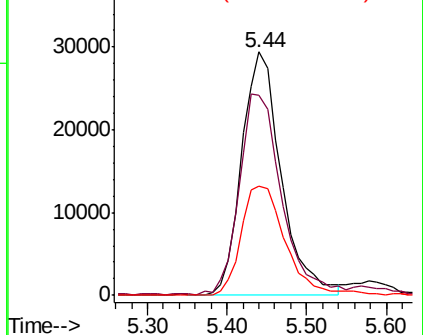
#39
Methylcyclohexane
Concen: 21.942 ug/l
RT: 5.44 min Scan# 488
Delta R.T. -0.01 min
Lab File: VF060691.D
Acq: 12 Nov 2018 18:05

Instrument :
MSVOA_F
ClientSampleId :
VF1112SBS01

Tgt Ion: 83 Resp: 101426
Ion Ratio Lower Upper
83 100
55 82.0 69.1 103.7
98 45.1 38.6 57.8

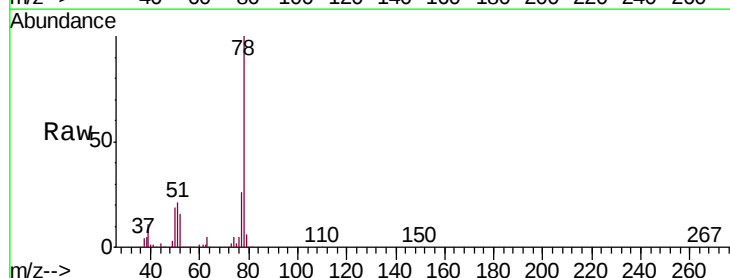


Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0

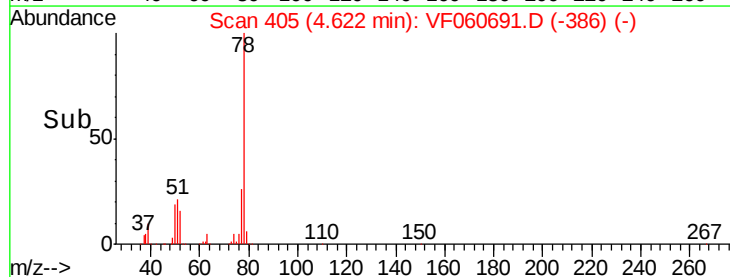
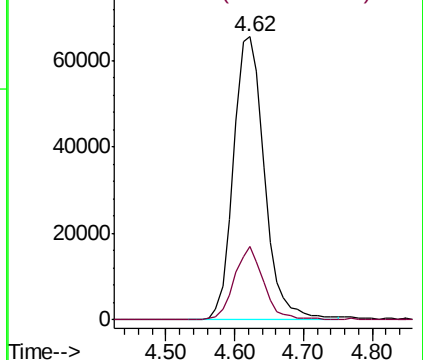


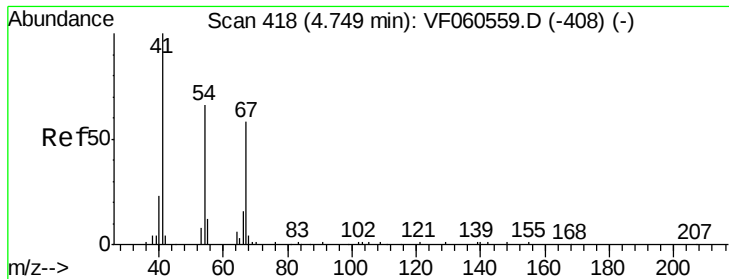
#40
Benzene
Concen: 22.243 ug/l
RT: 4.62 min Scan# 405
Delta R.T. -0.01 min
Lab File: VF060691.D
Acq: 12 Nov 2018 18:05

Tgt Ion: 78 Resp: 204510
Ion Ratio Lower Upper
78 100
77 26.1 19.3 28.9



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





#41

Methacrylonitrile

Concen: 20.691 ug/l

RT: 4.72 min Scan# 415

Delta R.T. -0.03 min

Lab File: VF060691.D

Acq: 12 Nov 2018 18:05

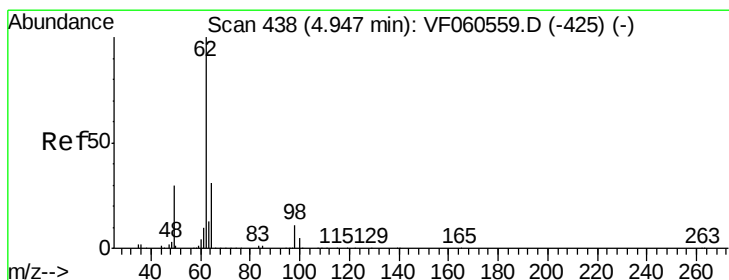
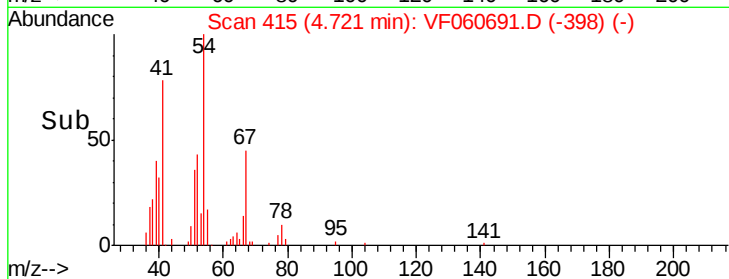
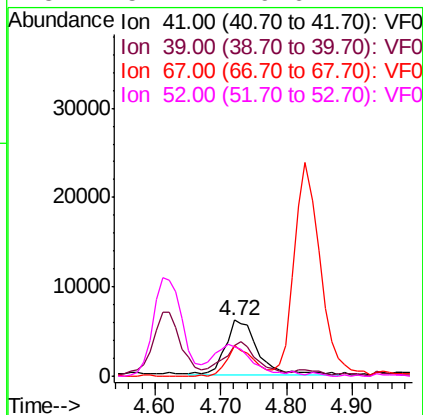
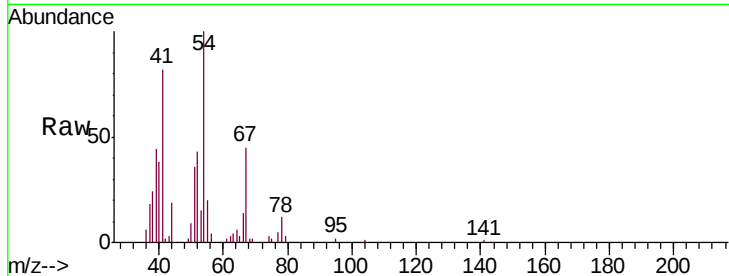
Instrument :

MSVOA_F

ClientSampleId :

VF1112SBS01

Tgt Ion:	41	Resp:	21306
Ion	Ratio	Lower	Upper
41	100		
39	54.4	45.6	68.4
67	55.2	45.3	67.9
52	52.1	29.6	44.4#



#42

1,2-Dichloroethane

Concen: 23.359 ug/l

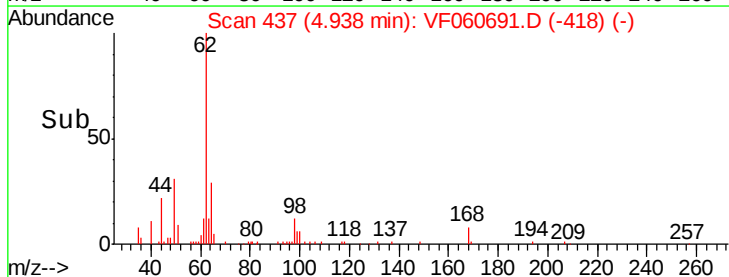
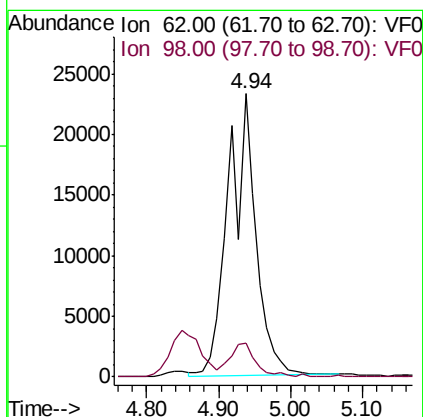
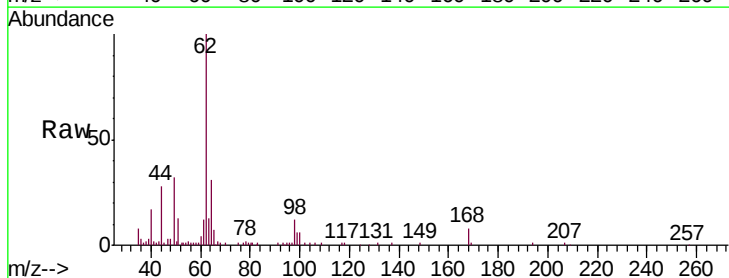
RT: 4.94 min Scan# 437

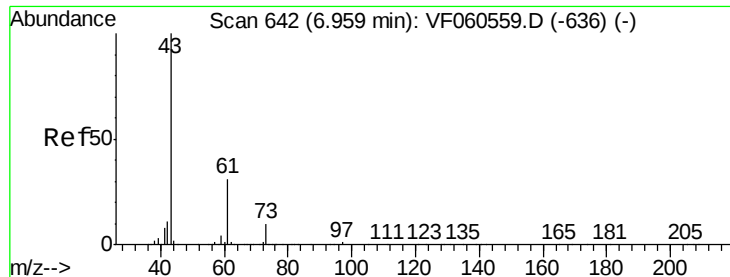
Delta R.T. -0.01 min

Lab File: VF060691.D

Acq: 12 Nov 2018 18:05

Tgt Ion:	62	Resp:	61642
Ion	Ratio	Lower	Upper
62	100		
98	12.0	0.0	22.4





#43

Isopropyl Acetate

Concen: 18.812 ug/l

RT: 6.95 min Scan# 641

Delta R.T. -0.01 min

Lab File: VF060691.D

Acq: 12 Nov 2018 18:05

Instrument :

MSVOA_F

ClientSampleId :

VF1112SBS01

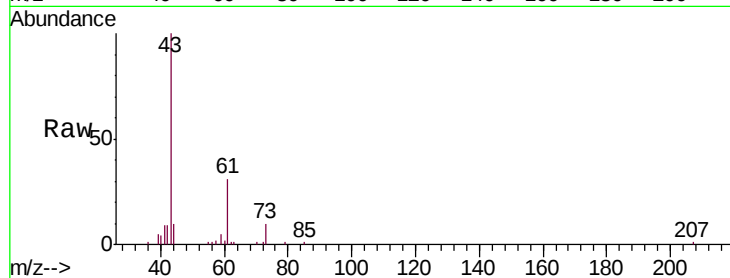
Tgt Ion: 43 Resp: 43269

Ion Ratio Lower Upper

43 100

61 30.9 24.2 36.2

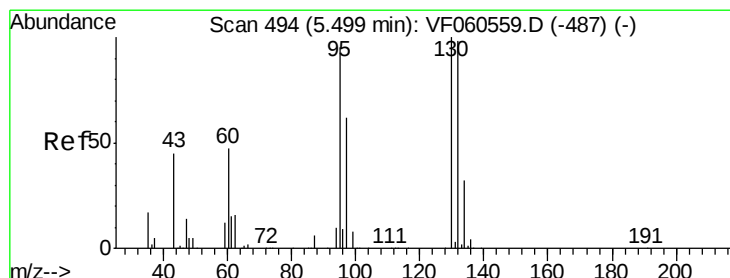
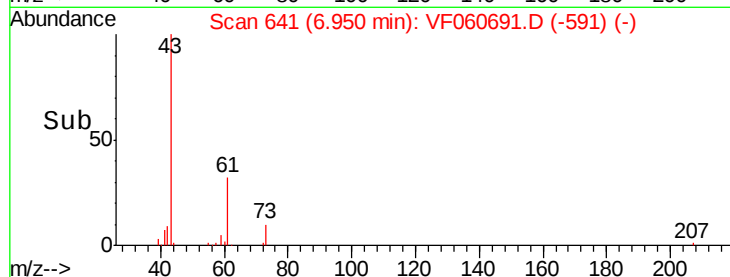
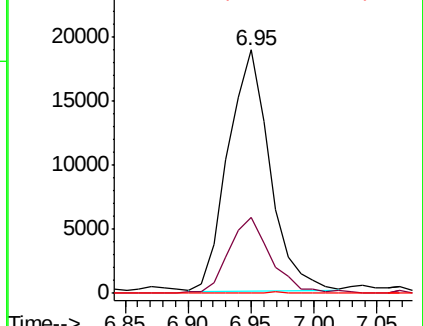
87 0.0 0.2 0.4#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#44

Trichloroethene

Concen: 22.992 ug/l

RT: 5.49 min Scan# 493

Delta R.T. -0.01 min

Lab File: VF060691.D

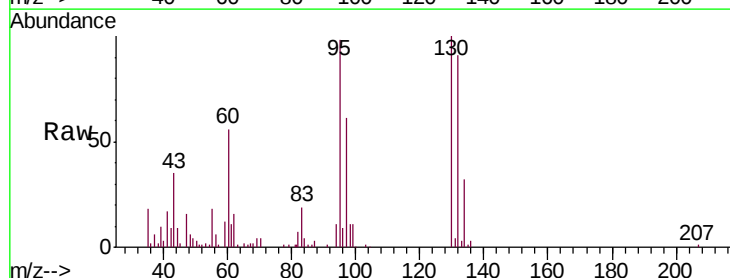
Acq: 12 Nov 2018 18:05

Tgt Ion: 130 Resp: 63535

Ion Ratio Lower Upper

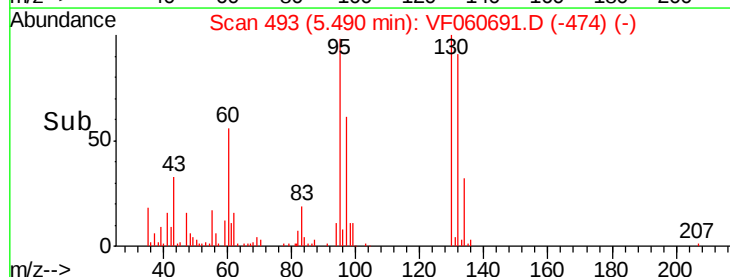
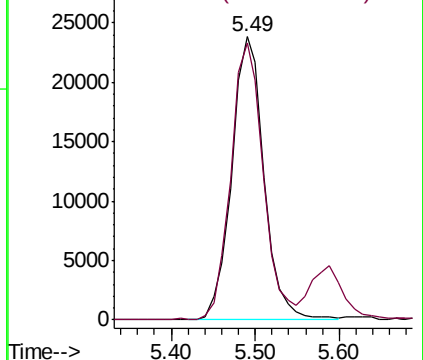
130 100

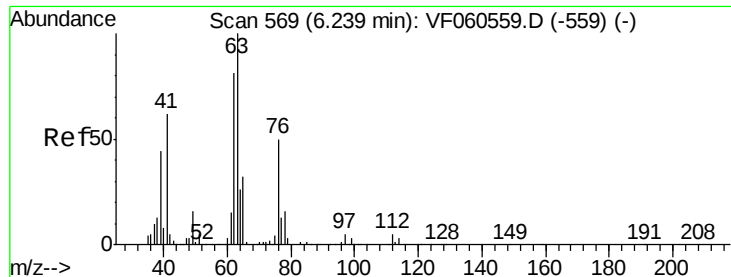
95 98.0 0.0 191.0



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 22.621 ug/l

RT: 6.22 min Scan# 567

Delta R.T. -0.02 min

Lab File: VF060691.D

Acq: 12 Nov 2018 18:05

Instrument :

MSVOA_F

ClientSampleId :

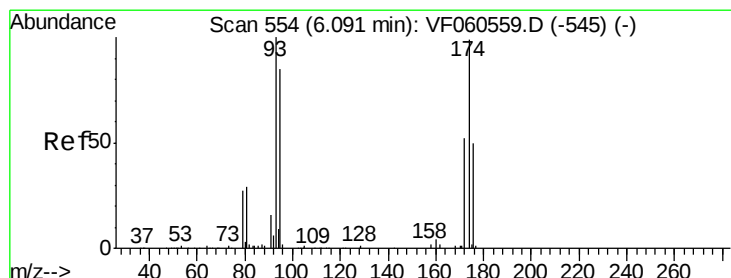
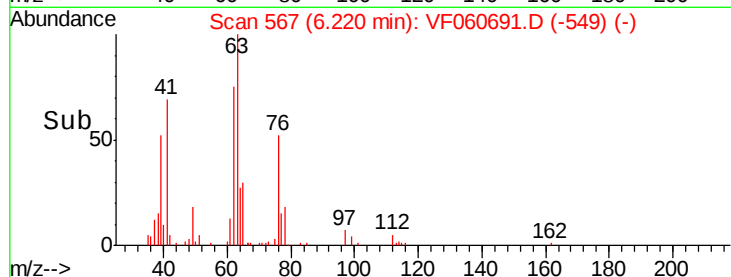
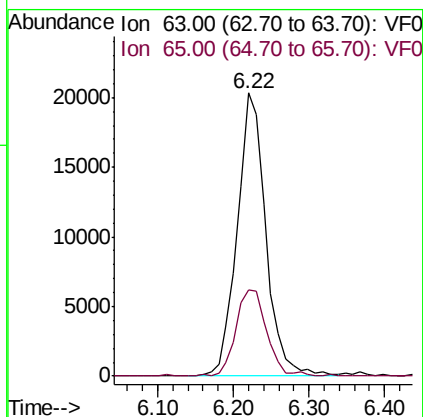
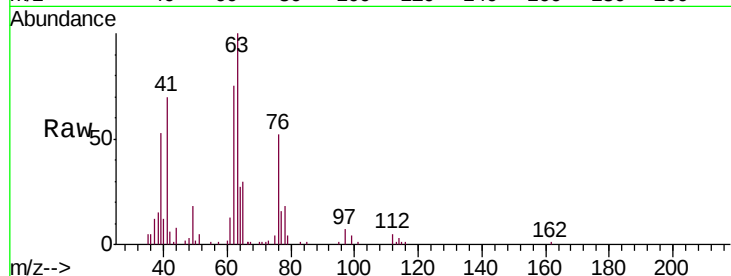
VF1112SBS01

Tgt Ion: 63 Resp: 53195

Ion Ratio Lower Upper

63 100

65 30.4 25.4 38.0



#46

Dibromomethane

Concen: 22.768 ug/l

RT: 6.07 min Scan# 552

Delta R.T. -0.02 min

Lab File: VF060691.D

Acq: 12 Nov 2018 18:05

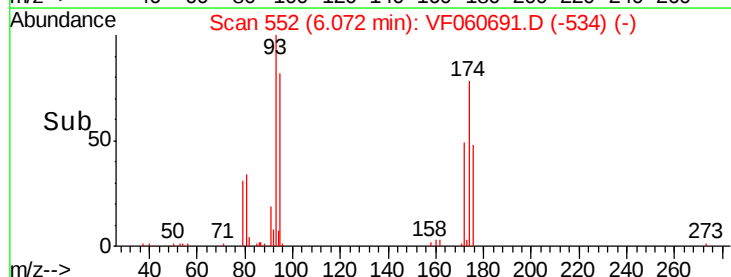
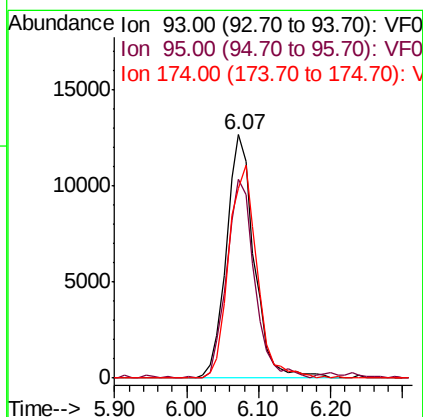
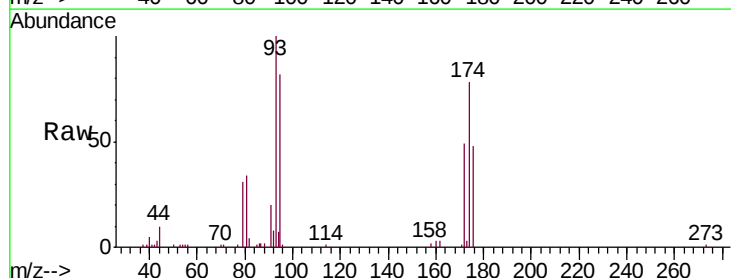
Tgt Ion: 93 Resp: 33966

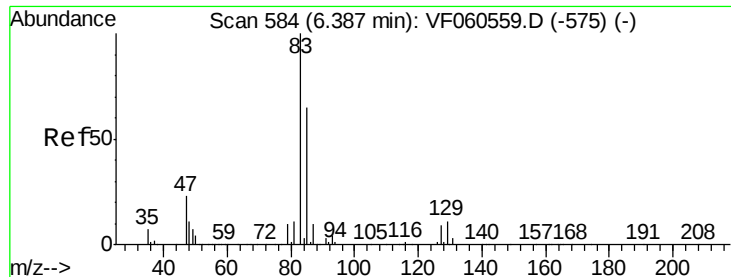
Ion Ratio Lower Upper

93 100

95 81.6 68.6 102.8

174 78.1 79.0 118.4#





#47

Bromodichloromethane

Concen: 23.988 ug/l

RT: 6.37 min Scan# 582

Delta R.T. -0.02 min

Lab File: VF060691.D

Acq: 12 Nov 2018 18:05

Instrument :

MSVOA_F

ClientSampleId :

VF1112SBS01

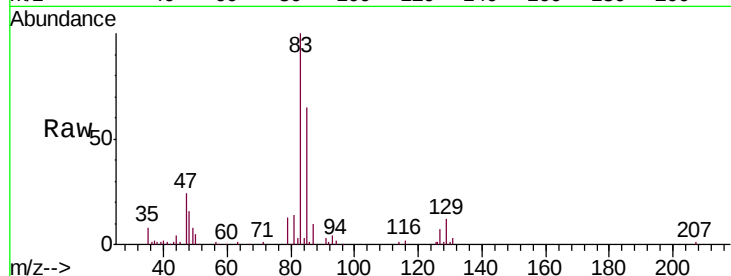
Tgt Ion: 83 Resp: 86315

Ion Ratio Lower Upper

83 100

85 64.6 51.8 77.6

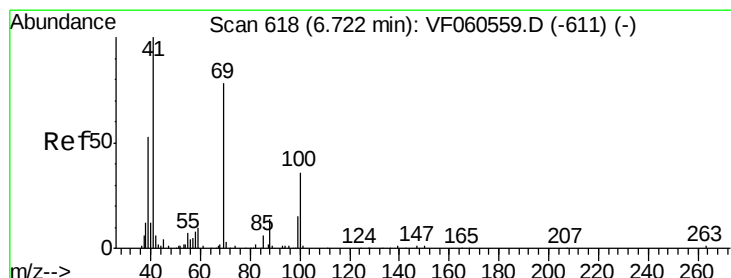
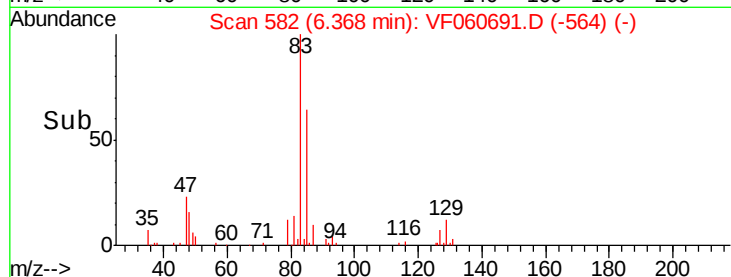
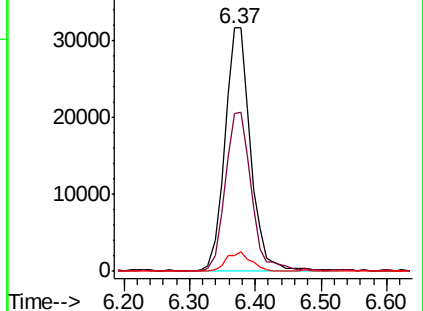
127 6.6 7.0 10.4#



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: 20.248 ug/l

RT: 6.70 min Scan# 616

Delta R.T. -0.02 min

Lab File: VF060691.D

Acq: 12 Nov 2018 18:05

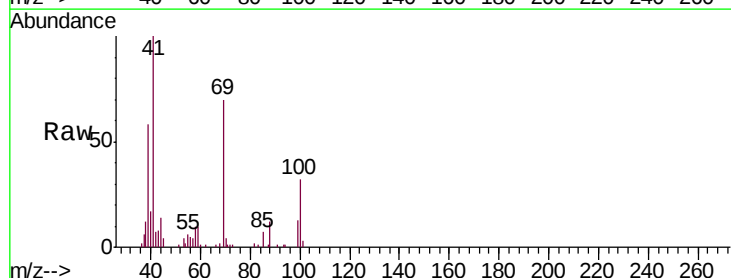
Tgt Ion: 41 Resp: 29269

Ion Ratio Lower Upper

41 100

69 69.6 61.1 91.7

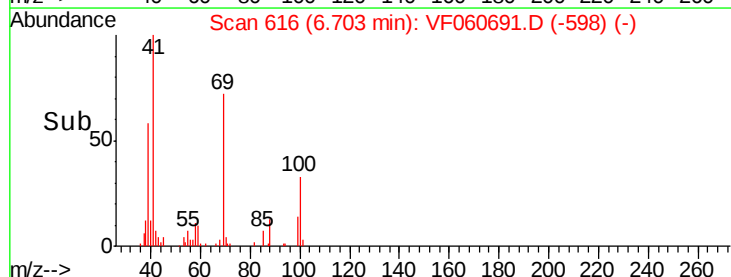
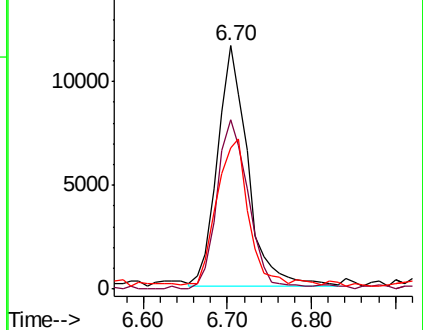
39 58.0 43.0 64.6

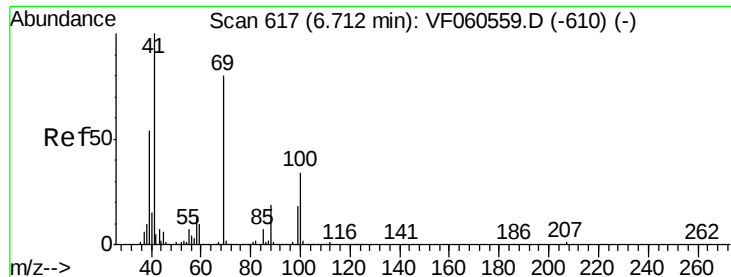


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 353.731 ug/l

RT: 6.68 min Scan# 614

Delta R.T. -0.03 min

Lab File: VF060691.D

Acq: 12 Nov 2018 18:05

Instrument :

MSVOA_F

ClientSampleId :

VF1112SBS01

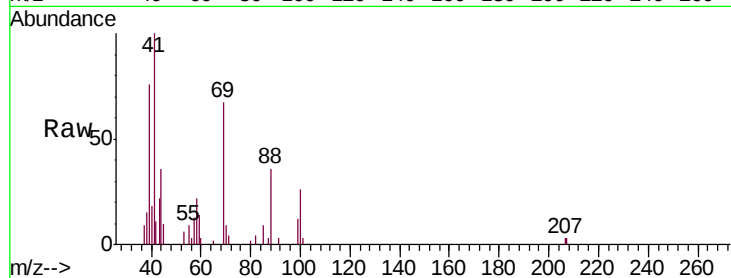
Tgt Ion: 88 Resp: 5349

Ion Ratio Lower Upper

88 100

43 60.7 61.2 91.8#

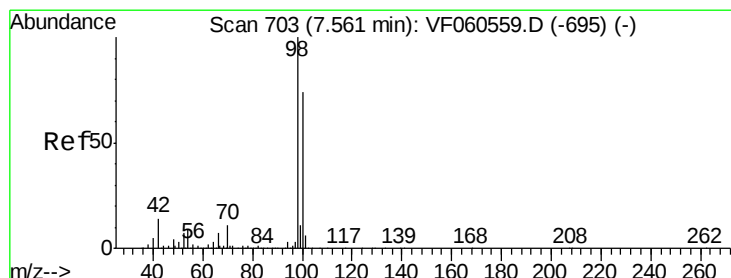
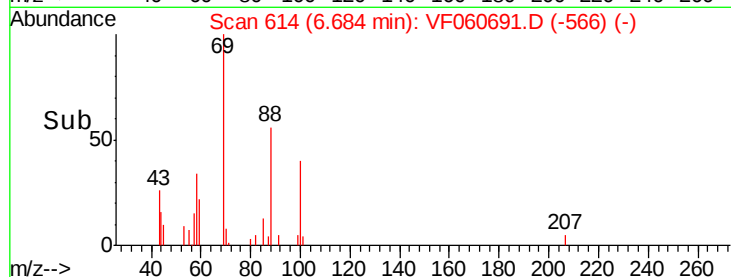
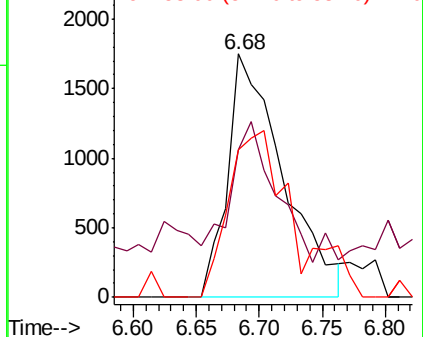
58 60.7 56.9 85.3



Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 52.651 ug/l

RT: 7.54 min Scan# 701

Delta R.T. -0.02 min

Lab File: VF060691.D

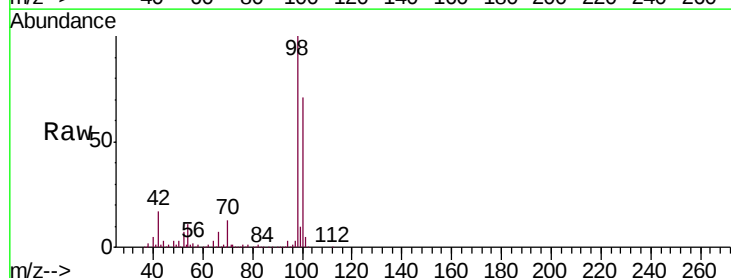
Acq: 12 Nov 2018 18:05

Tgt Ion: 98 Resp: 414545

Ion Ratio Lower Upper

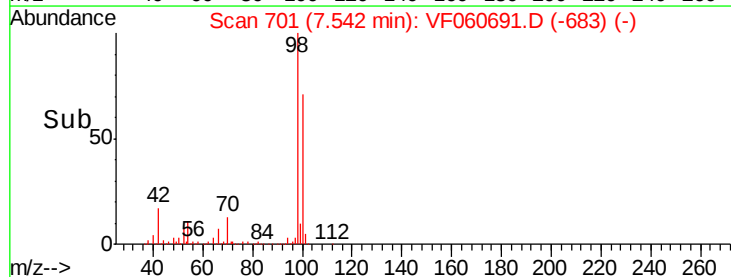
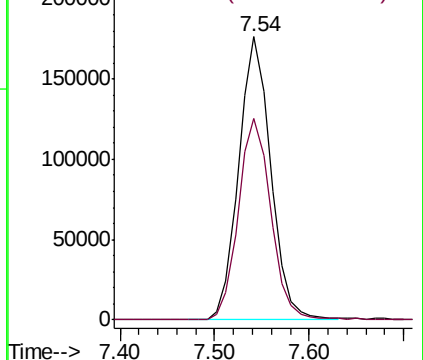
98 100

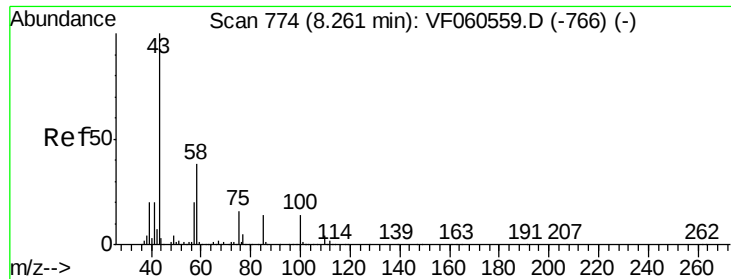
100 71.0 59.4 89.2



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

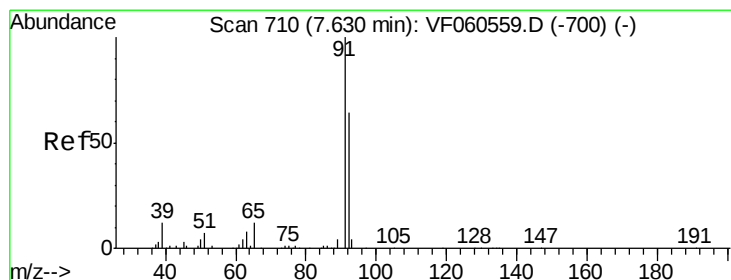
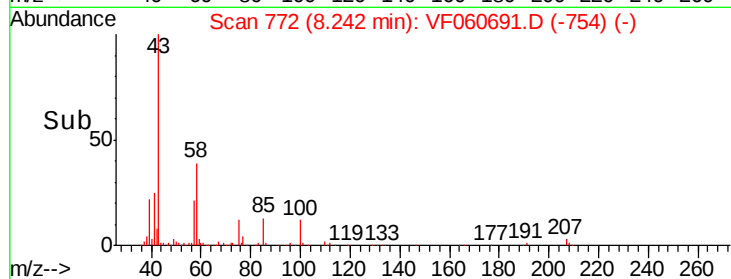
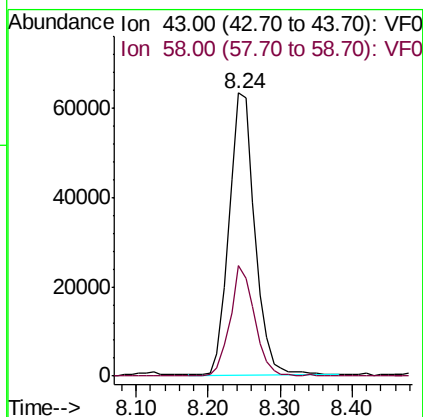
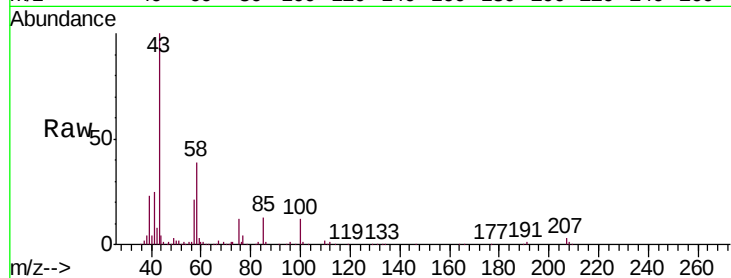




#51
 4-Methyl-2-Pentanone
 Concen: 101.814 ug/l
 RT: 8.24 min Scan# 772
 Delta R.T. -0.02 min
 Lab File: VF060691.D
 Acq: 12 Nov 2018 18:05

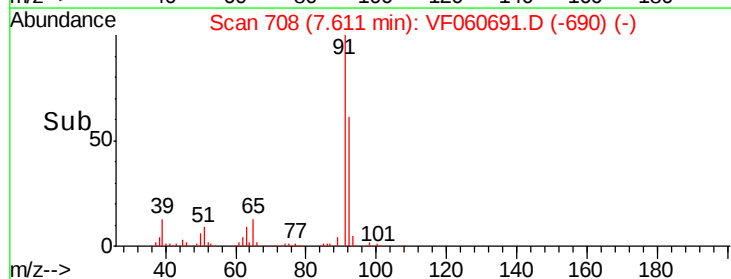
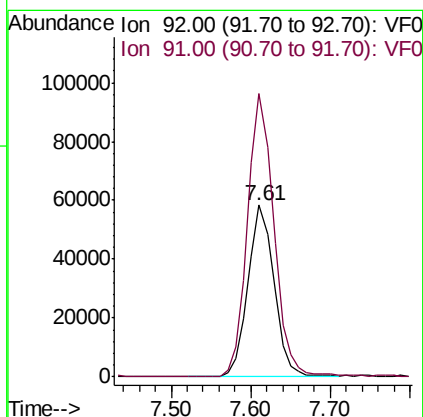
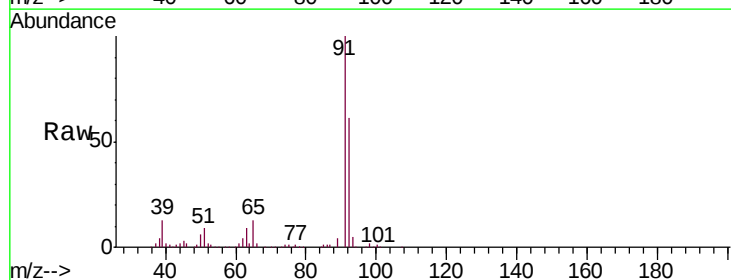
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1112SBS01

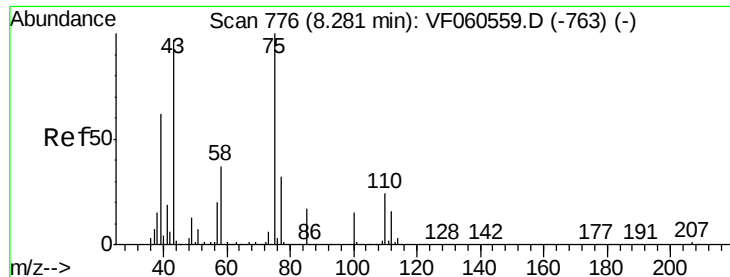
Tgt Ion: 43 Resp: 157474
 Ion Ratio Lower Upper
 43 100
 58 39.2 30.1 45.1



#52
 Toluene
 Concen: 22.153 ug/l
 RT: 7.61 min Scan# 708
 Delta R.T. -0.02 min
 Lab File: VF060691.D
 Acq: 12 Nov 2018 18:05

Tgt Ion: 92 Resp: 132682
 Ion Ratio Lower Upper
 92 100
 91 164.7 124.5 186.7





#53

t-1,3-Dichloropropene

Concen: 22.163 ug/l

RT: 8.26 min Scan# 774

Delta R.T. -0.02 min

Lab File: VF060691.D

Acq: 12 Nov 2018 18:05

Instrument :

MSVOA_F

ClientSampleId :

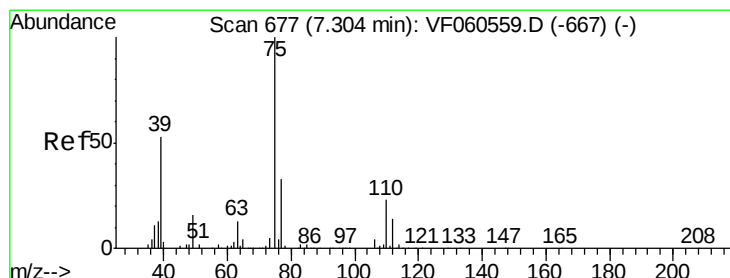
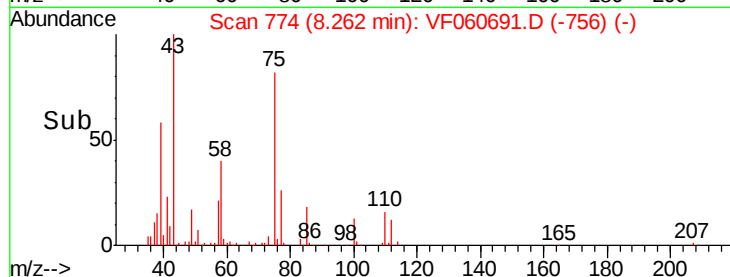
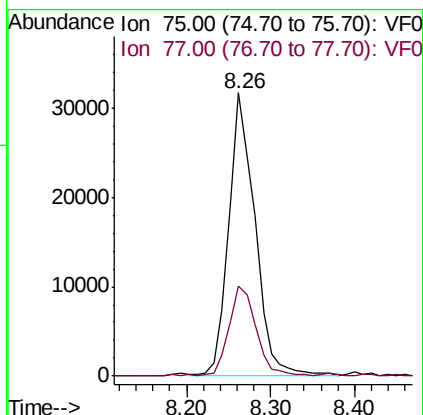
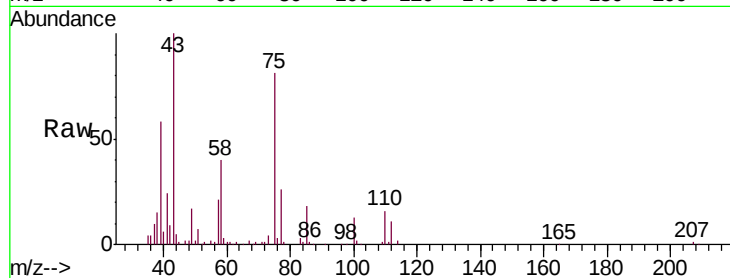
VF1112SBS01

Tgt Ion: 75 Resp: 69312

Ion Ratio Lower Upper

75 100

77 31.7 25.7 38.5



#54

cis-1,3-Dichloropropene

Concen: 22.987 ug/l

RT: 7.29 min Scan# 675

Delta R.T. -0.02 min

Lab File: VF060691.D

Acq: 12 Nov 2018 18:05

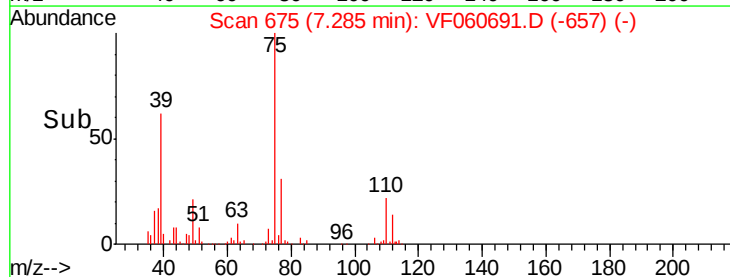
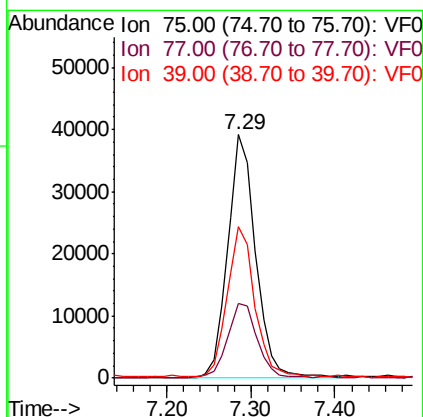
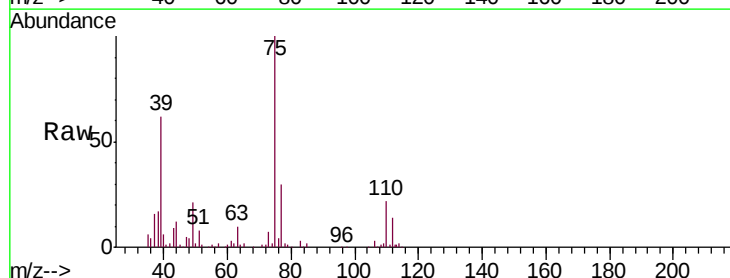
Tgt Ion: 75 Resp: 90832

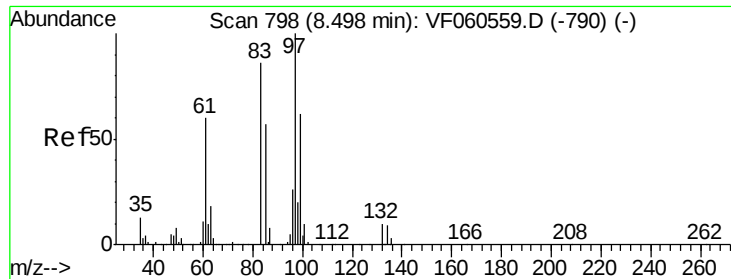
Ion Ratio Lower Upper

75 100

77 30.4 26.7 40.1

39 62.2 43.0 64.4





#55

1,1,2-Trichloroethane

Concen: 21.866 ug/l

RT: 8.48 min Scan# 796

Delta R.T. -0.02 min

Lab File: VF060691.D

Acq: 12 Nov 2018 18:05

Instrument :

MSVOA_F

ClientSampleId :

VF1112SBS01

Tgt Ion: 97 Resp: 38111

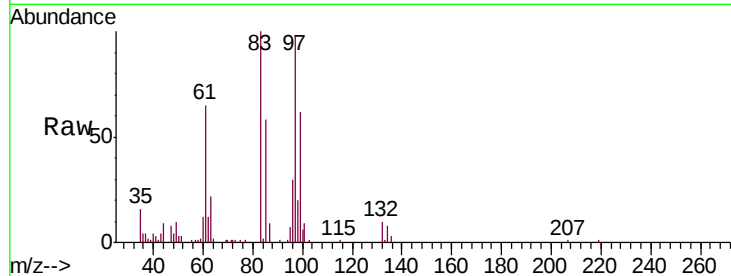
Ion Ratio Lower Upper

97 100

83 101.9 69.4 104.0

85 59.4 46.6 69.8

99 63.5 50.0 75.0

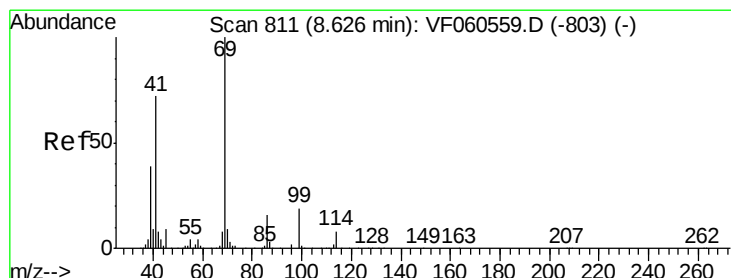
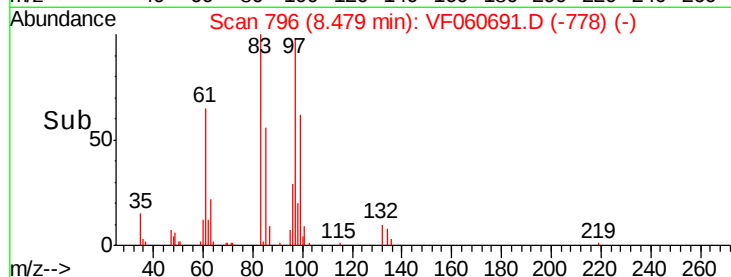
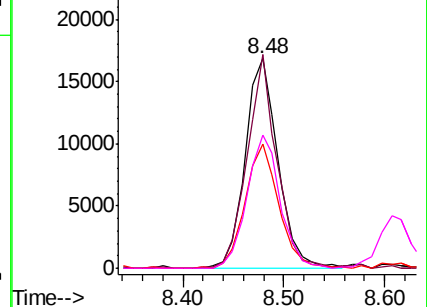


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 20.629 ug/l

RT: 8.61 min Scan# 809

Delta R.T. -0.02 min

Lab File: VF060691.D

Acq: 12 Nov 2018 18:05

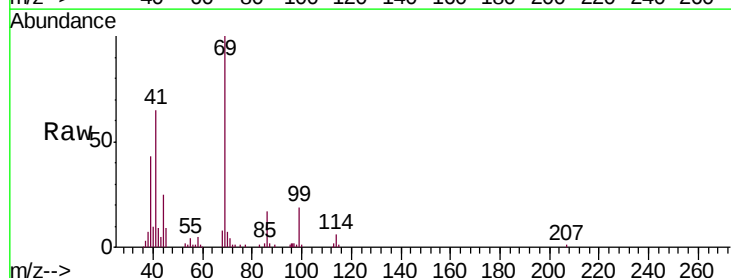
Tgt Ion: 69 Resp: 46258

Ion Ratio Lower Upper

69 100

41 65.1 59.2 88.8

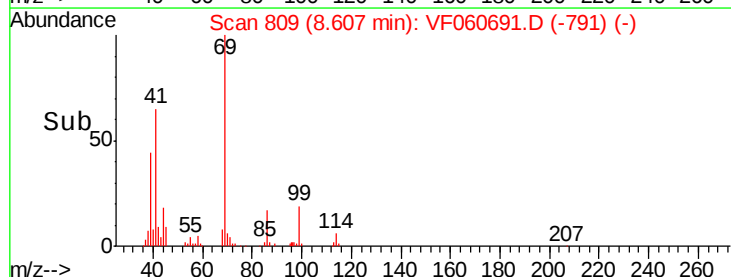
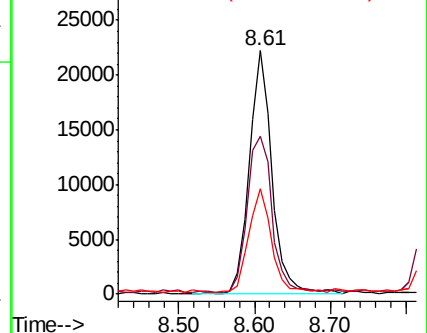
39 43.4 32.3 48.5

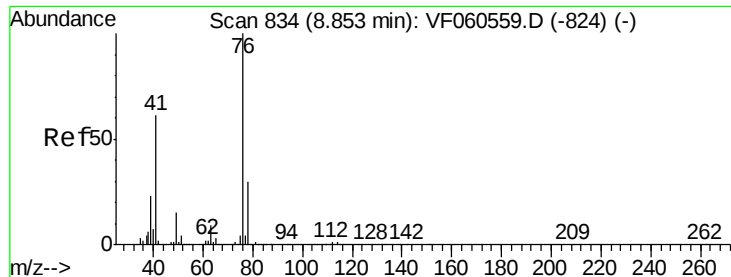


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 23.599 ug/l

RT: 8.84 min Scan# 833

Delta R.T. -0.01 min

Lab File: VF060691.D

Acq: 12 Nov 2018 18:05

Instrument :

MSVOA_F

ClientSampleId :

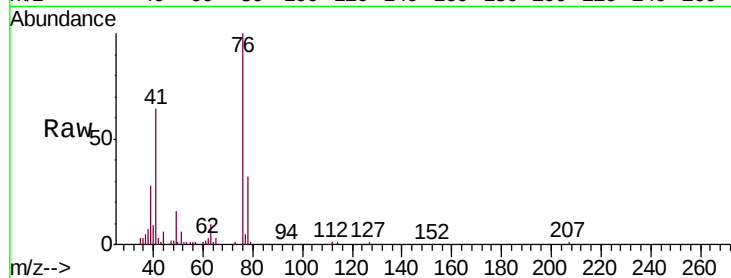
VF1112SBS01

Tgt Ion: 76 Resp: 72171

Ion Ratio Lower Upper

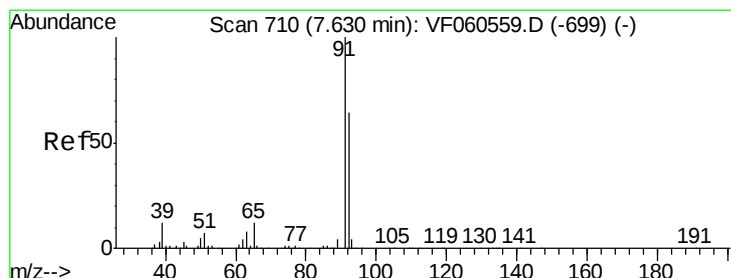
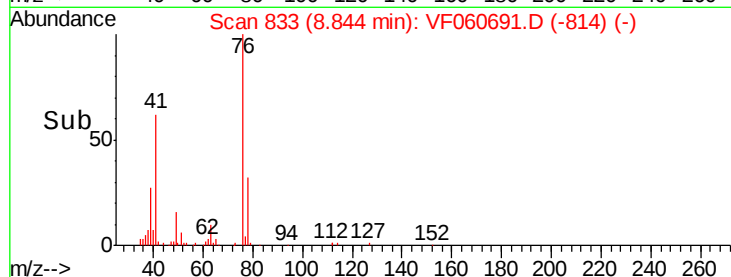
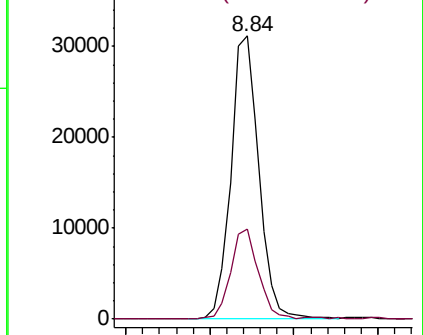
76 100

78 31.6 24.2 36.4



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 138.678 ug/l

RT: 7.61 min Scan# 708

Delta R.T. -0.02 min

Lab File: VF060691.D

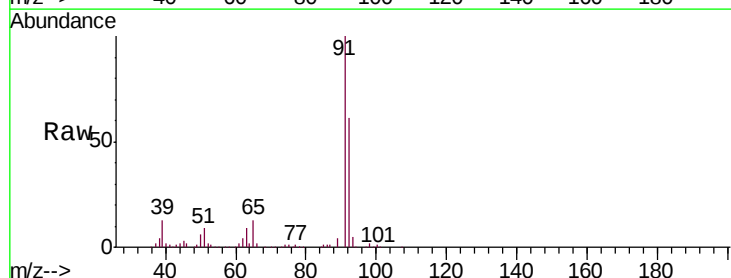
Acq: 12 Nov 2018 18:05

Tgt Ion: 63 Resp: 21224

Ion Ratio Lower Upper

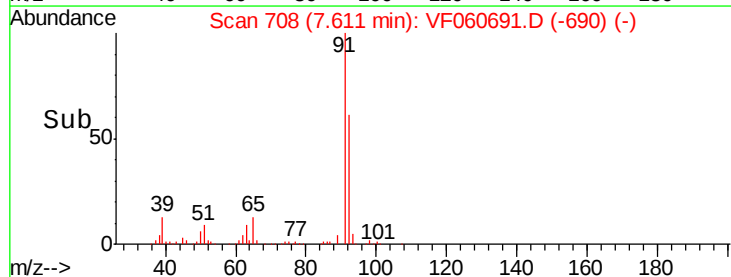
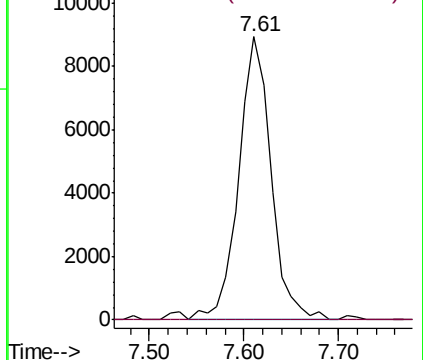
63 100

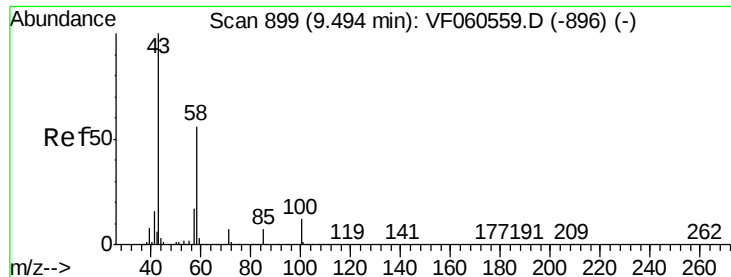
106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

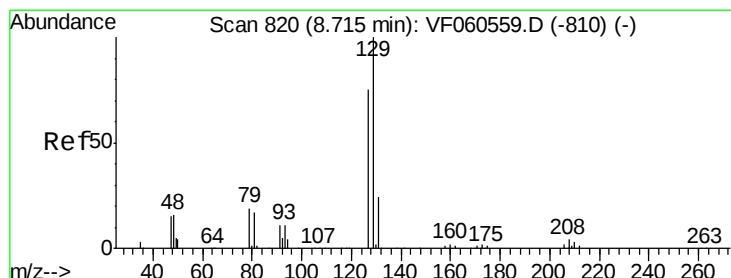
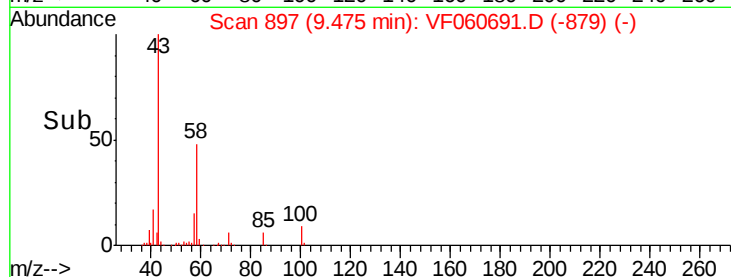
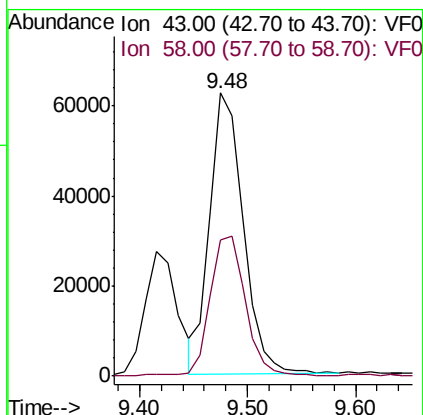
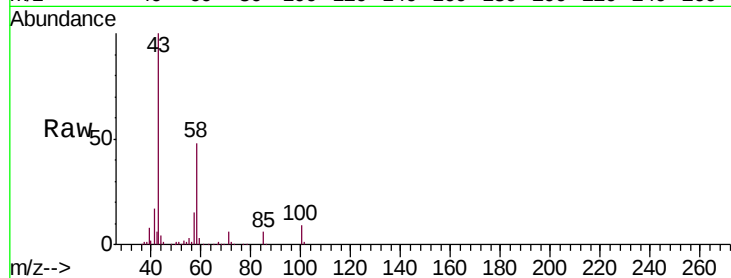




#59
2-Hexanone
Concen: 118.339 ug/l
RT: 9.48 min Scan# 897
Delta R.T. -0.02 min
Lab File: VF060691.D
Acq: 12 Nov 2018 18:05

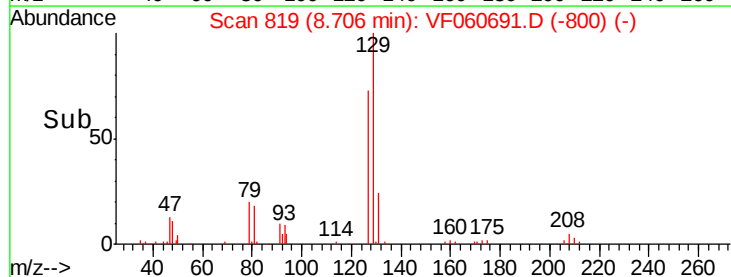
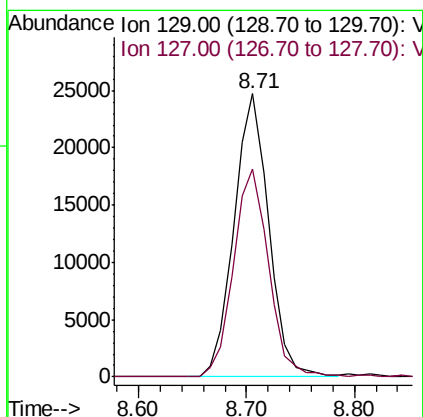
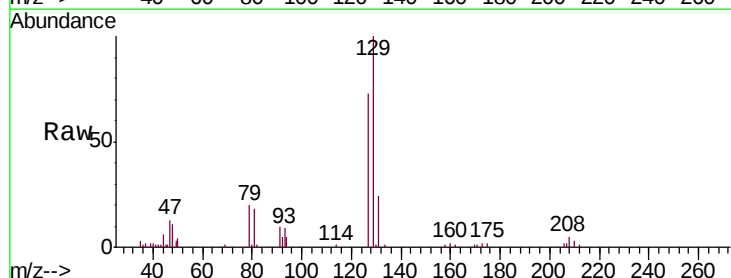
Instrument :
MSVOA_F
ClientSampleId :
VF1112SBS01

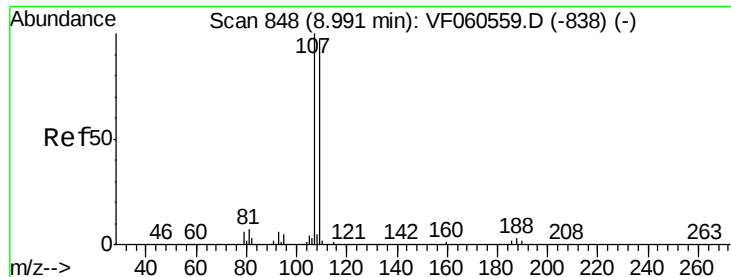
Tgt Ion: 43 Resp: 135005
Ion Ratio Lower Upper
43 100
58 48.1 26.1 78.3



#60
Dibromochloromethane
Concen: 22.601 ug/l
RT: 8.71 min Scan# 819
Delta R.T. -0.01 min
Lab File: VF060691.D
Acq: 12 Nov 2018 18:05

Tgt Ion: 129 Resp: 55091
Ion Ratio Lower Upper
129 100
127 73.3 37.8 113.3





#61

1,2-Dibromoethane

Concen: 22.627 ug/l

RT: 8.97 min Scan# 846

Delta R.T. -0.02 min

Lab File: VF060691.D

Acq: 12 Nov 2018 18:05

Instrument :

MSVOA_F

ClientSampleId :

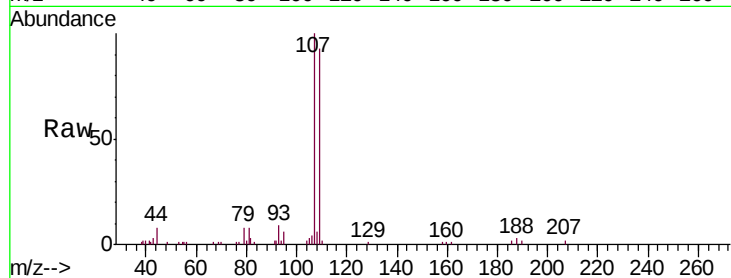
VF1112SBS01

Tgt Ion: 107 Resp: 41471

Ion Ratio Lower Upper

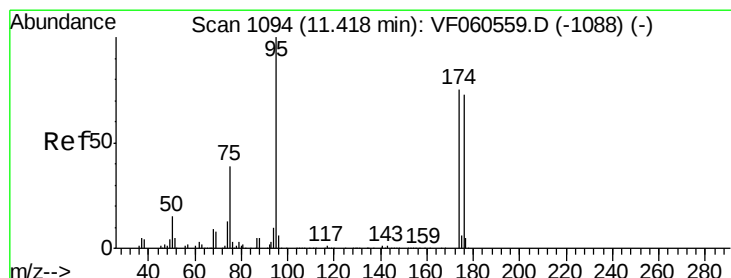
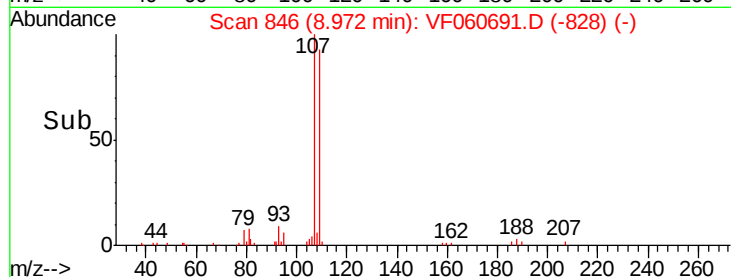
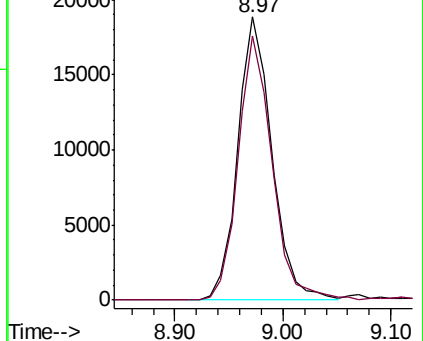
107 100

109 93.3 77.5 116.3



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 58.919 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.02 min

Lab File: VF060691.D

Acq: 12 Nov 2018 18:05

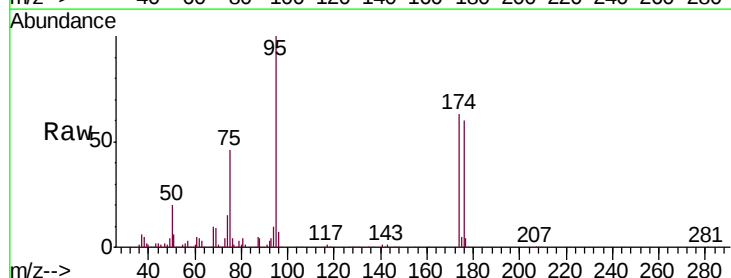
Tgt Ion: 95 Resp: 202913

Ion Ratio Lower Upper

95 100

174 63.5 0.0 149.0

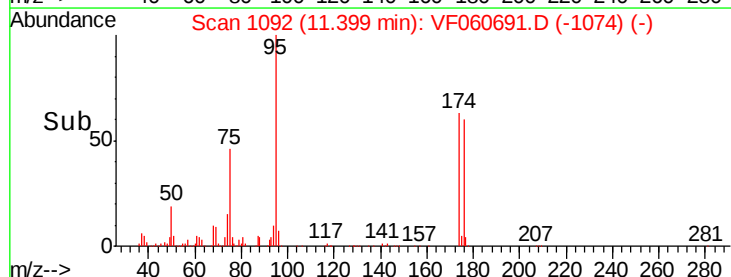
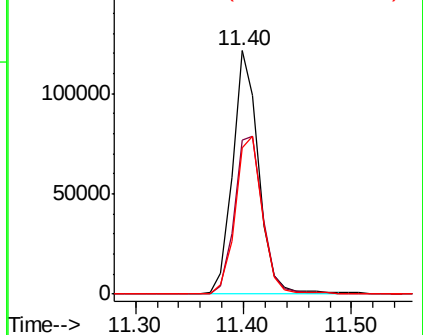
176 60.2 0.0 145.6

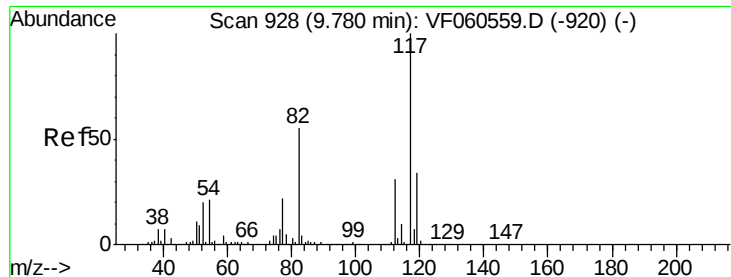


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

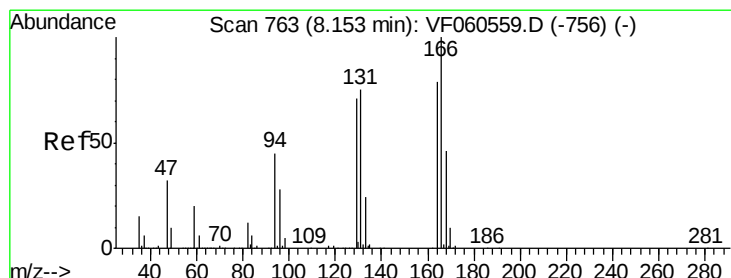
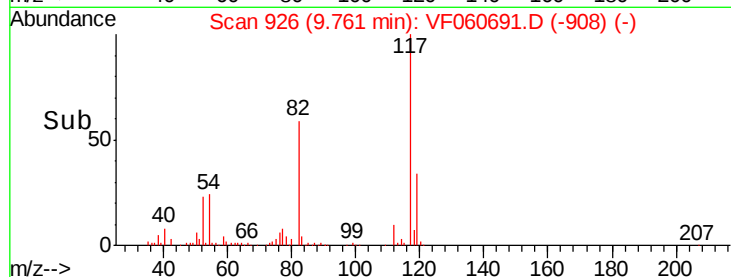
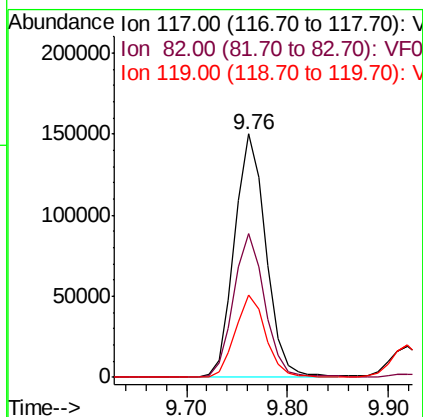
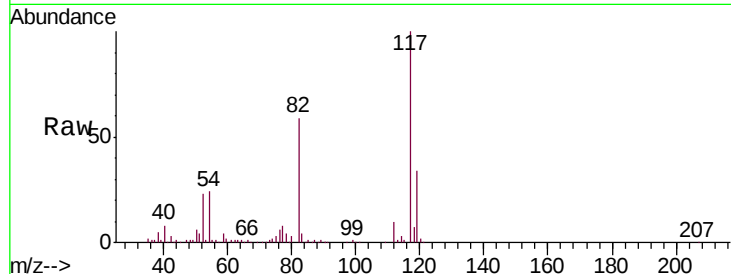




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.76 min Scan# 926
Delta R.T. -0.02 min
Lab File: VF060691.D
Acq: 12 Nov 2018 18:05

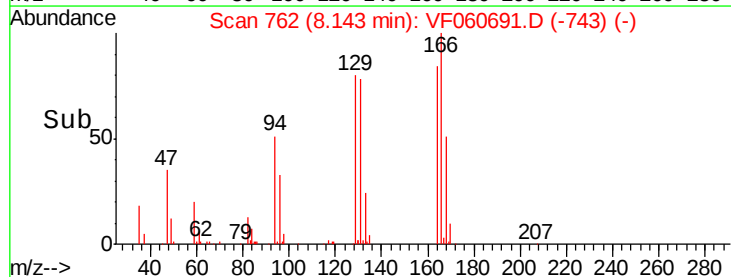
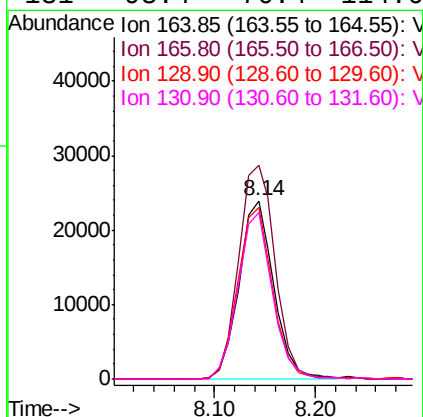
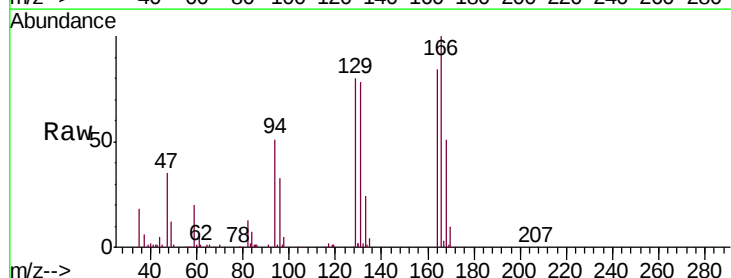
Instrument :
MSVOA_F
ClientSampleId :
VF1112SBS01

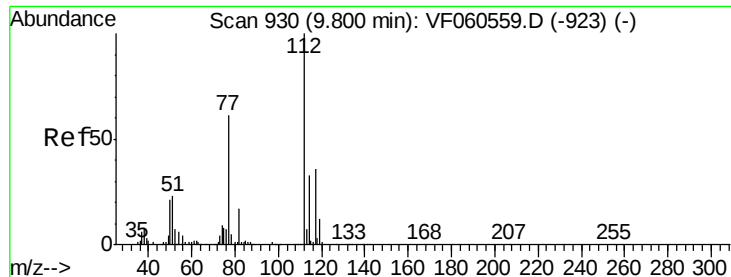
Tgt Ion:117 Resp: 326148
Ion Ratio Lower Upper
117 100
82 59.2 43.9 65.9
119 33.6 27.4 41.0



#64
Tetrachloroethene
Concen: 22.340 ug/l
RT: 8.14 min Scan# 762
Delta R.T. -0.01 min
Lab File: VF060691.D
Acq: 12 Nov 2018 18:05

Tgt Ion:164 Resp: 57103
Ion Ratio Lower Upper
164 100
166 119.7 101.5 152.3
129 96.3 72.5 108.7
131 93.4 76.4 114.6

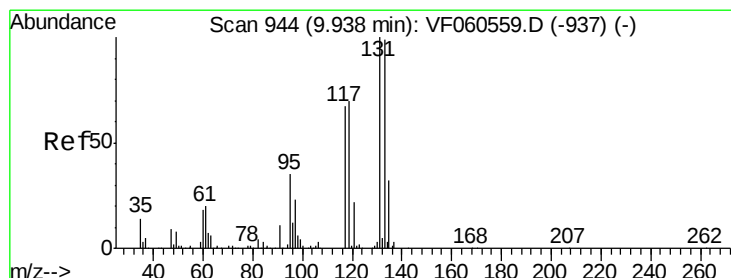
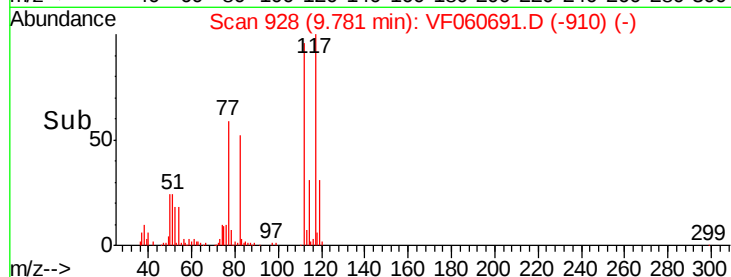
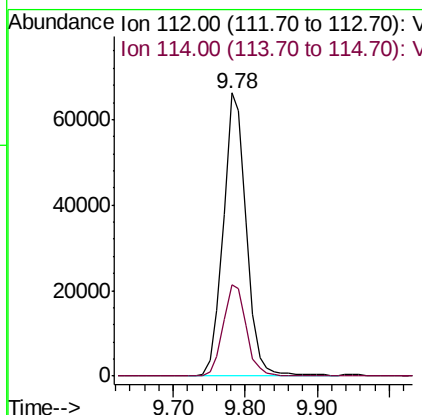
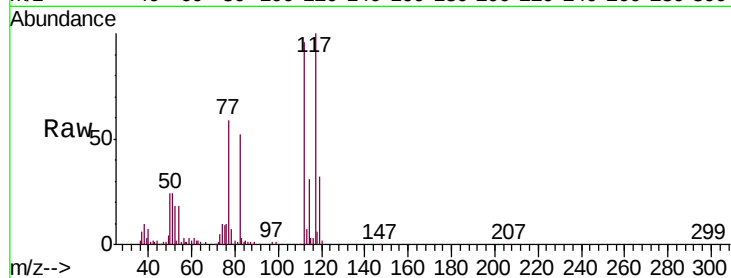




#65
Chlorobenzene
Concen: 21.959 ug/l
RT: 9.78 min Scan# 928
Delta R.T. -0.02 min
Lab File: VF060691.D
Acq: 12 Nov 2018 18:05

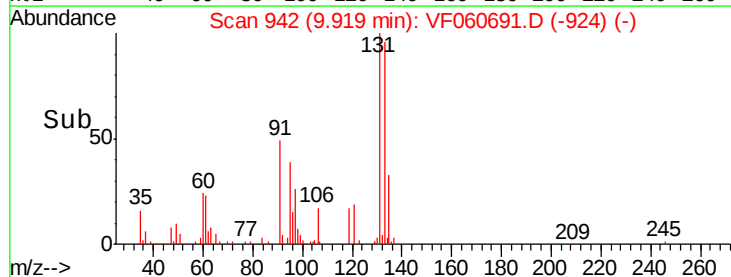
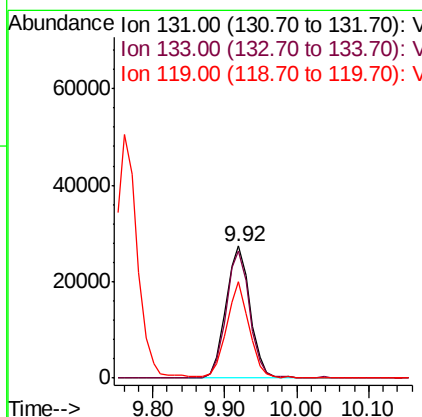
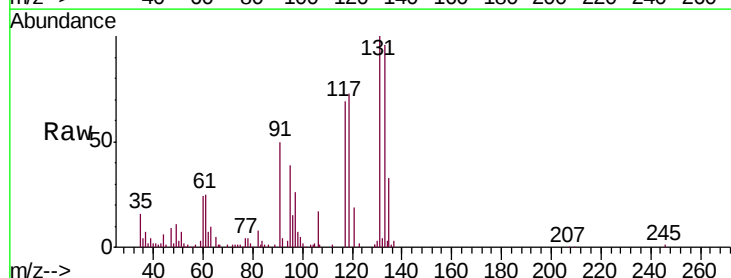
Instrument :
MSVOA_F
ClientSampleId :
VF1112SBS01

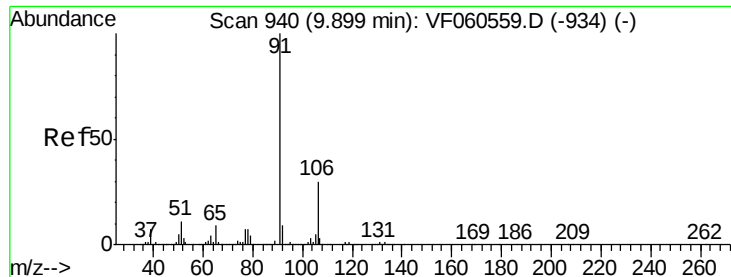
Tgt Ion:112 Resp: 146461
Ion Ratio Lower Upper
112 100
114 32.5 26.6 40.0



#66
1,1,1,2-Tetrachloroethane
Concen: 22.631 ug/l
RT: 9.92 min Scan# 942
Delta R.T. -0.02 min
Lab File: VF060691.D
Acq: 12 Nov 2018 18:05

Tgt Ion:131 Resp: 63779
Ion Ratio Lower Upper
131 100
133 96.3 49.5 148.7
119 73.5 35.2 105.6





#67

Ethyl Benzene

Concen: 23.447 ug/l

RT: 9.89 min Scan# 939

Delta R.T. -0.01 min

Lab File: VF060691.D

Acq: 12 Nov 2018 18:05

Instrument :

MSVOA_F

ClientSampleId :

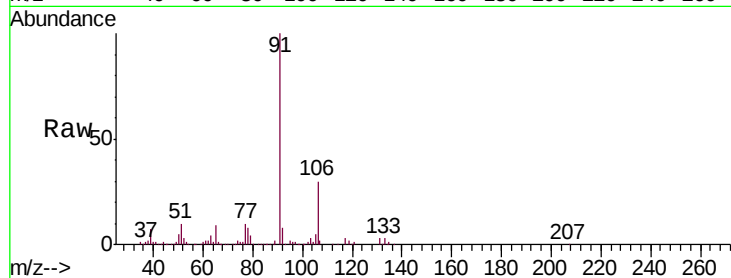
VF1112SBS01

Tgt Ion: 91 Resp: 283787

Ion Ratio Lower Upper

91 100

106 29.9 24.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V

150000

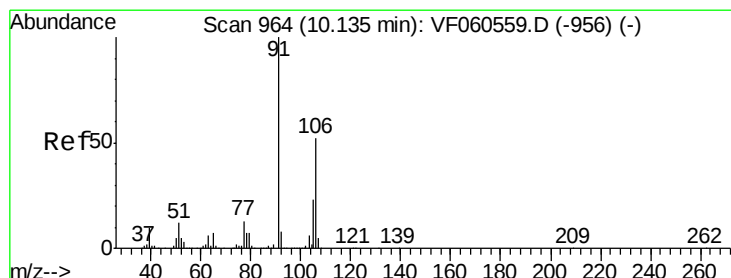
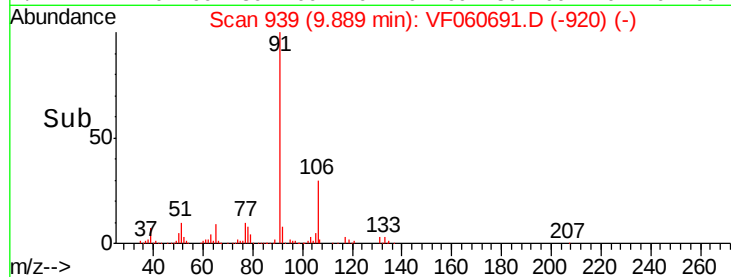
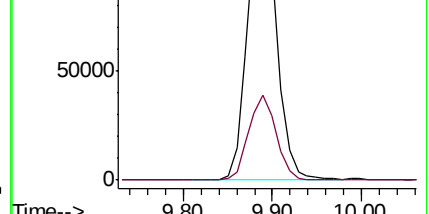
100000

50000

0

9.89

9.80 9.90 10.00



#68

m/p-Xylenes

Concen: 43.533 ug/l

RT: 10.12 min Scan# 962

Delta R.T. -0.02 min

Lab File: VF060691.D

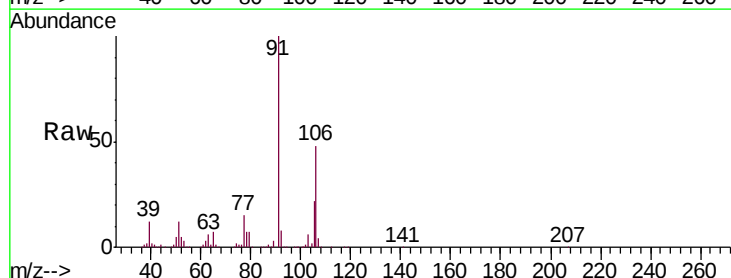
Acq: 12 Nov 2018 18:05

Tgt Ion: 106 Resp: 198479

Ion Ratio Lower Upper

106 100

91 207.5 153.9 230.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

200000

150000

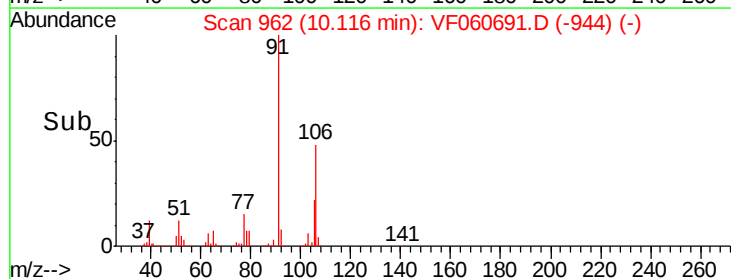
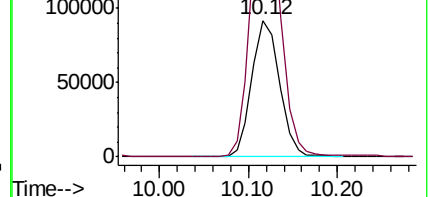
100000

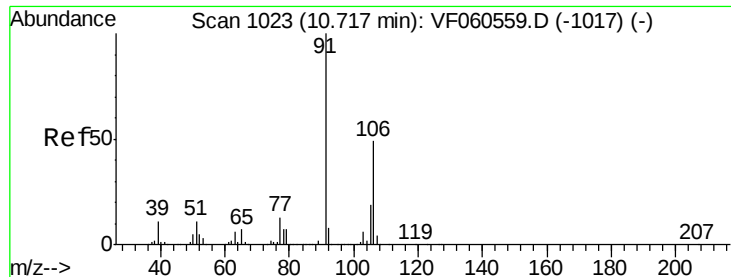
50000

0

10.12

10.00 10.10 10.20

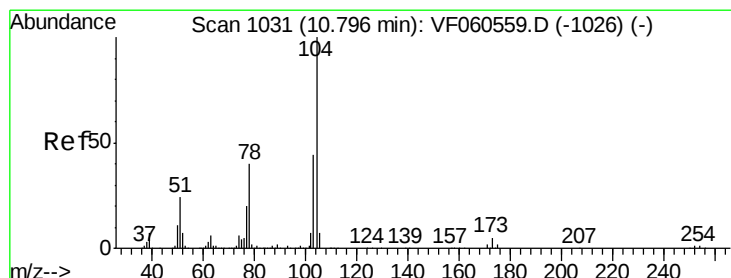
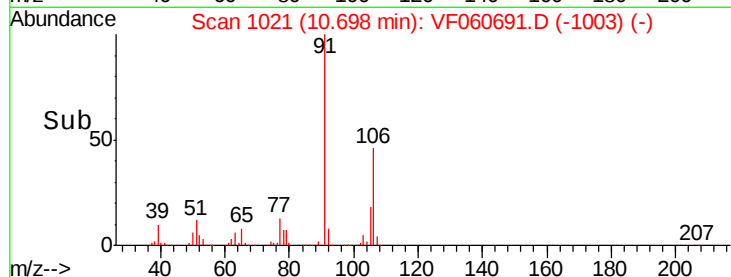
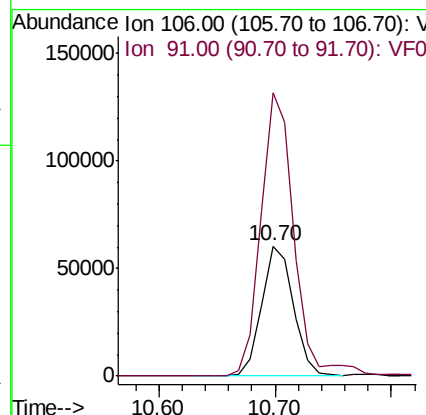
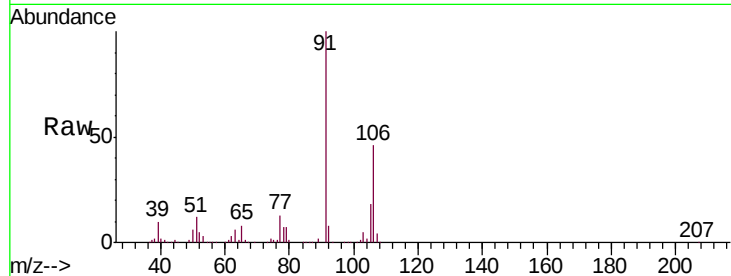




#69
o-Xylene
Concen: 22.996 ug/l
RT: 10.70 min Scan# 1021
Delta R.T. -0.02 min
Lab File: VF060691.D
Acq: 12 Nov 2018 18:05

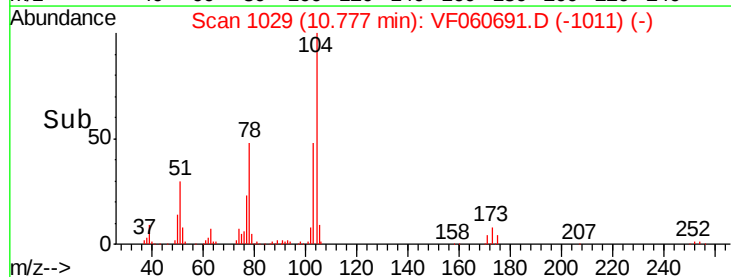
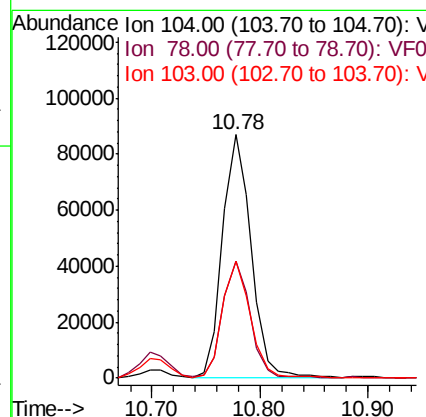
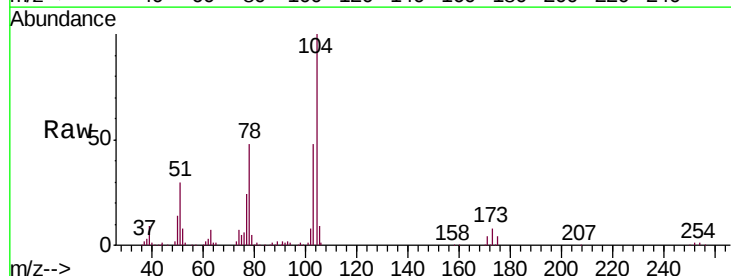
Instrument :
MSVOA_F
ClientSampleId :
VF1112SBS01

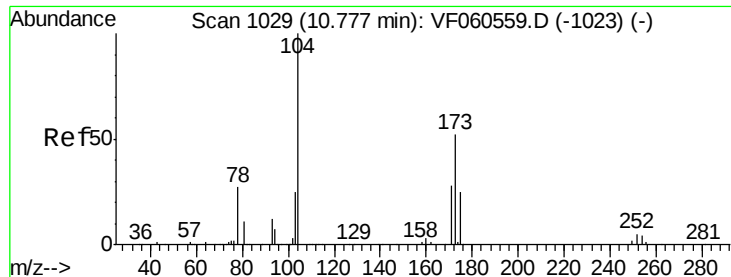
Tgt Ion:106 Resp: 114480
Ion Ratio Lower Upper
106 100
91 217.6 101.8 305.3



#70
Styrene
Concen: 22.233 ug/l
RT: 10.78 min Scan# 1029
Delta R.T. -0.02 min
Lab File: VF060691.D
Acq: 12 Nov 2018 18:05

Tgt Ion:104 Resp: 160355
Ion Ratio Lower Upper
104 100
78 48.0 32.6 49.0
103 47.8 35.2 52.8

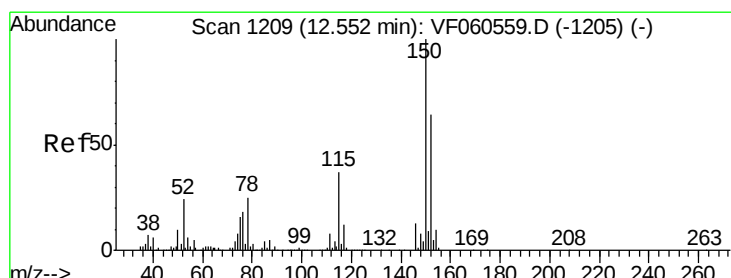
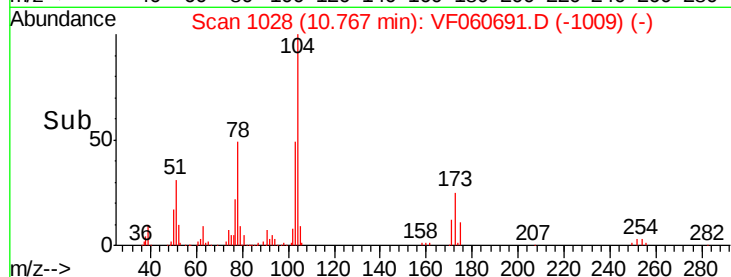
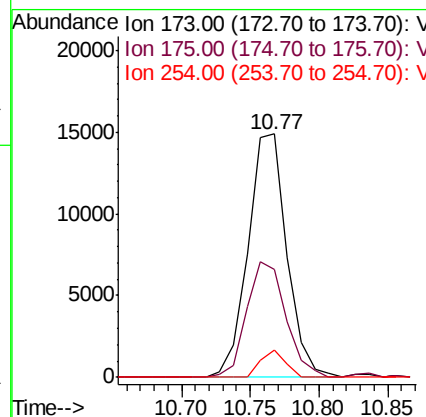
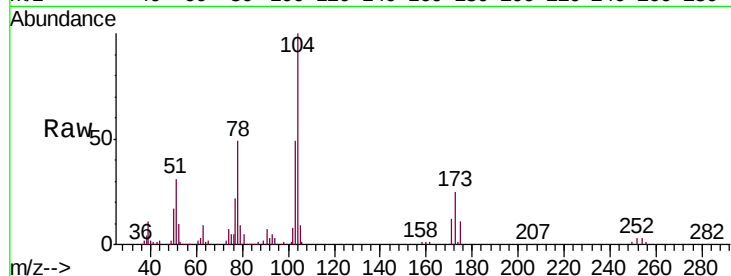




#71
Bromoform
Concen: 20.199 ug/l
RT: 10.77 min Scan# 1028
Delta R.T. -0.01 min
Lab File: VF060691.D
Acq: 12 Nov 2018 18:05

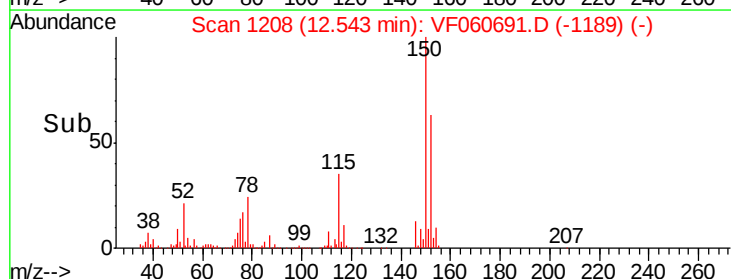
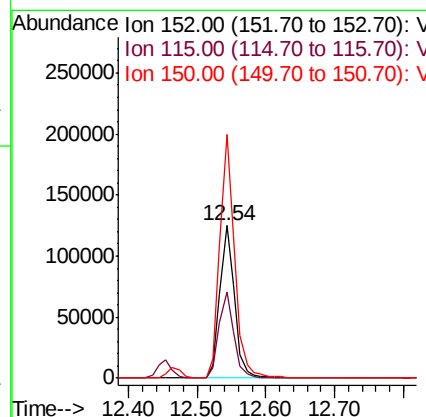
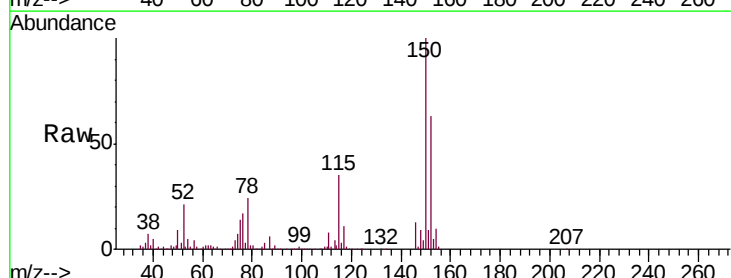
Instrument :
MSVOA_F
ClientSampleId :
VF1112SBS01

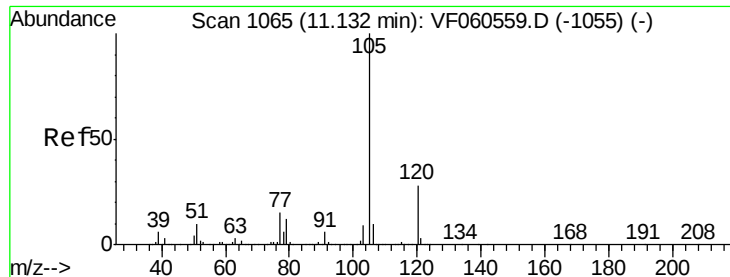
Tgt Ion:173 Resp: 29400
Ion Ratio Lower Upper
173 100
175 44.5 24.3 72.9
254 11.1 6.7 10.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.54 min Scan# 1208
Delta R.T. -0.01 min
Lab File: VF060691.D
Acq: 12 Nov 2018 18:05

Tgt Ion:152 Resp: 186381
Ion Ratio Lower Upper
152 100
115 56.7 29.6 88.8
150 160.0 0.0 315.6





#73

Isopropylbenzene

Concen: 24.246 ug/l

RT: 11.11 min Scan# 1063

Delta R.T. -0.02 min

Lab File: VF060691.D

Acq: 12 Nov 2018 18:05

Instrument :

MSVOA_F

ClientSampleId :

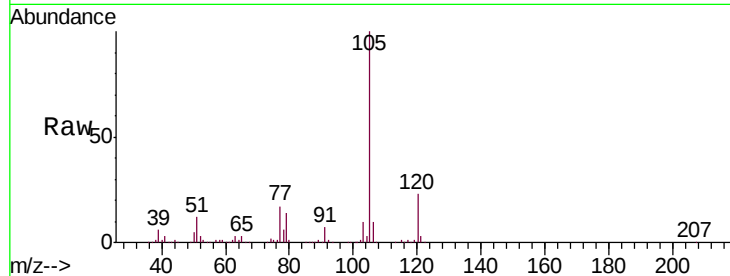
VF1112SBS01

Tgt Ion:105 Resp: 352433

Ion Ratio Lower Upper

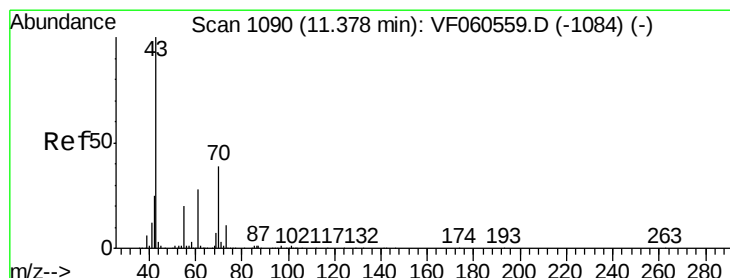
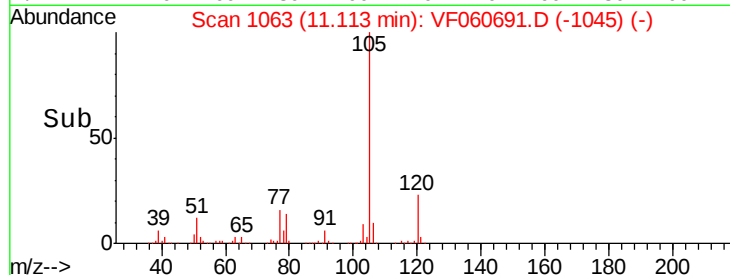
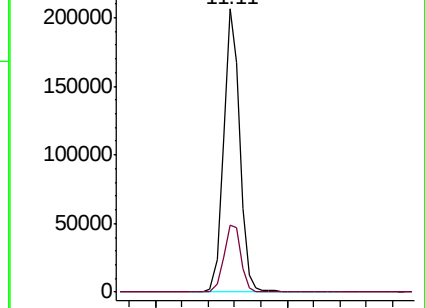
105 100

120 23.5 13.9 41.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 17.648 ug/l

RT: 11.36 min Scan# 1088

Delta R.T. -0.02 min

Lab File: VF060691.D

Acq: 12 Nov 2018 18:05

Tgt Ion: 43 Resp: 73482

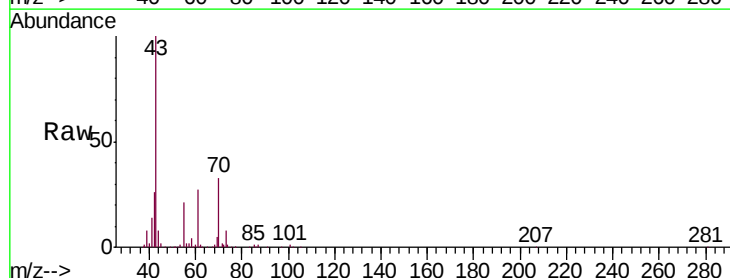
Ion Ratio Lower Upper

43 100

70 33.4 30.9 46.3

55 20.6 16.6 24.8

61 26.5 22.0 33.0

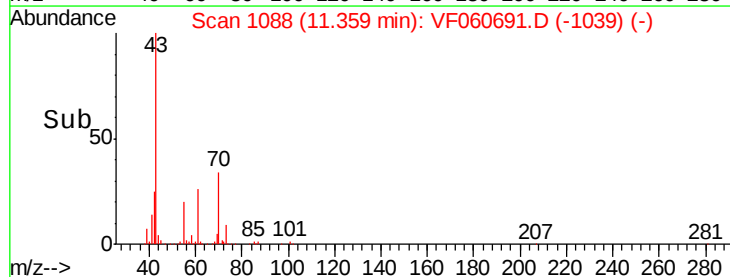
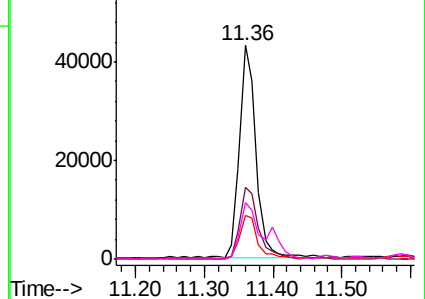


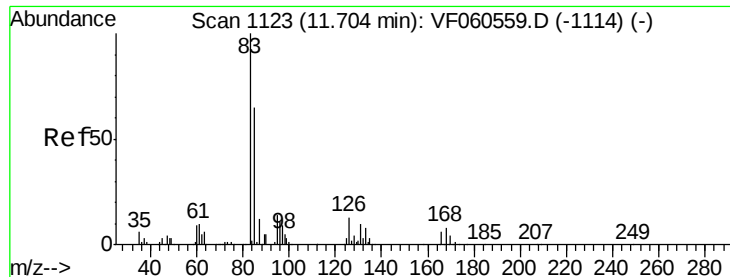
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 21.411 ug/l

RT: 11.68 min Scan# 1121

Delta R.T. -0.02 min

Lab File: VF060691.D

Acq: 12 Nov 2018 18:05

Instrument :

MSVOA_F

ClientSampleId :

VF1112SBS01

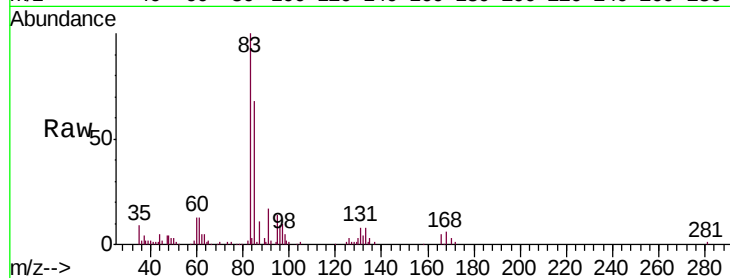
Tgt Ion: 83 Resp: 56807

Ion Ratio Lower Upper

83 100

131 7.5 5.0 14.9

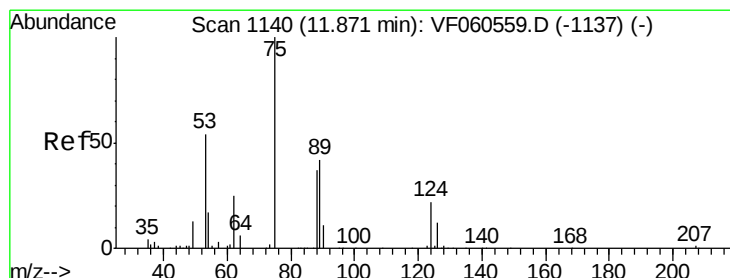
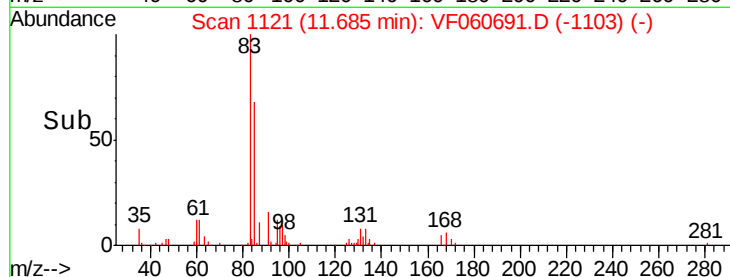
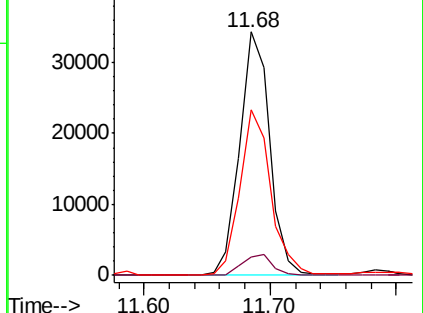
85 68.2 32.9 98.7



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: 19.590 ug/l

RT: 11.86 min Scan# 1139

Delta R.T. -0.01 min

Lab File: VF060691.D

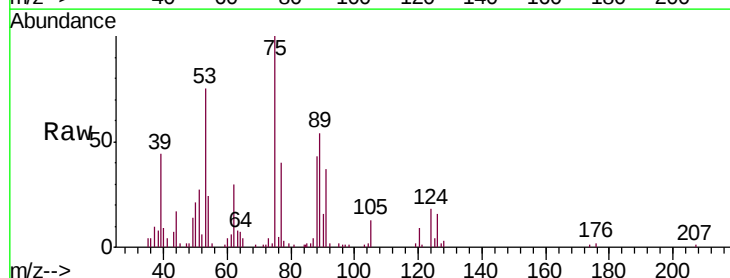
Acq: 12 Nov 2018 18:05

Tgt Ion: 75 Resp: 25543

Ion Ratio Lower Upper

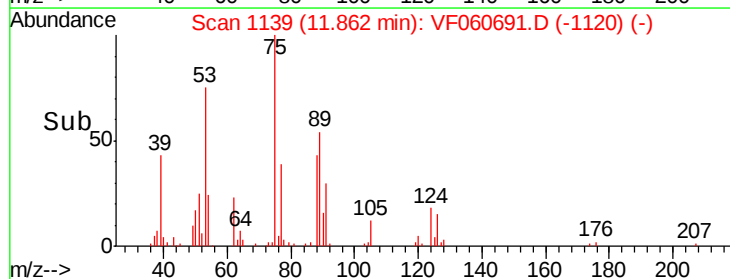
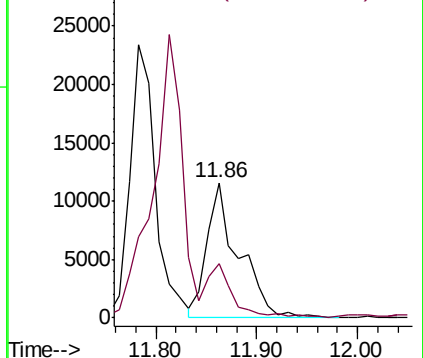
75 100

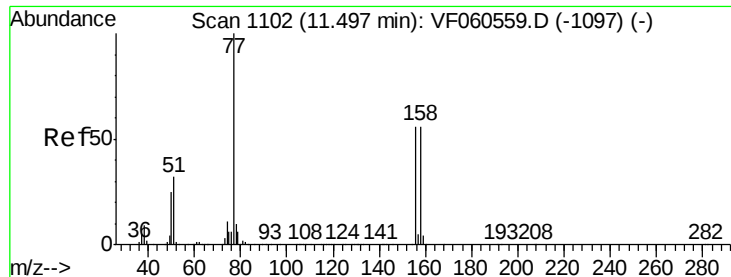
77 40.0 17.4 52.3



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

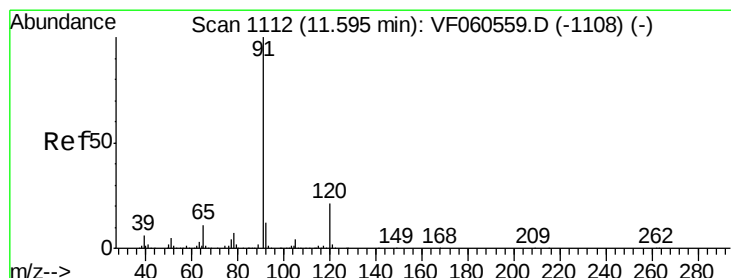
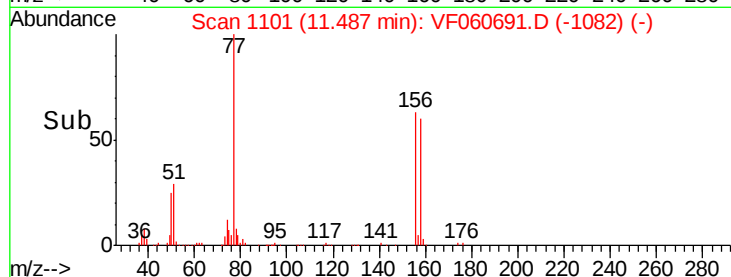
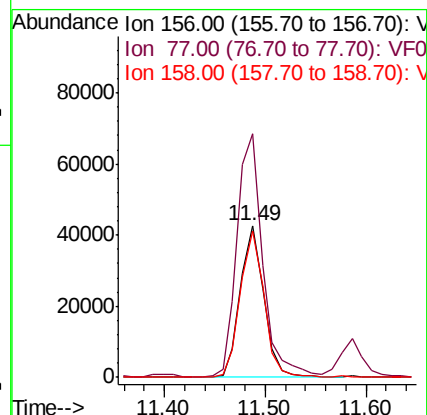
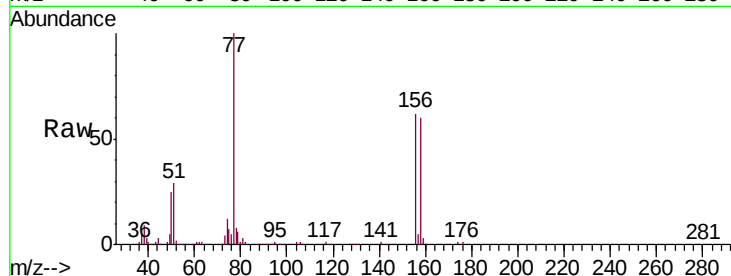




#77
Bromobenzene
Concen: 22.037 ug/l
RT: 11.49 min Scan# 1101
Delta R.T. -0.01 min
Lab File: VF060691.D
Acq: 12 Nov 2018 18:05

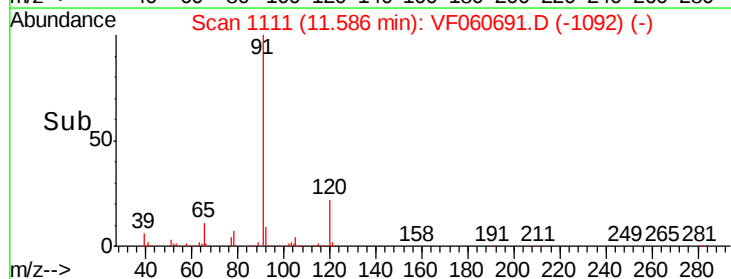
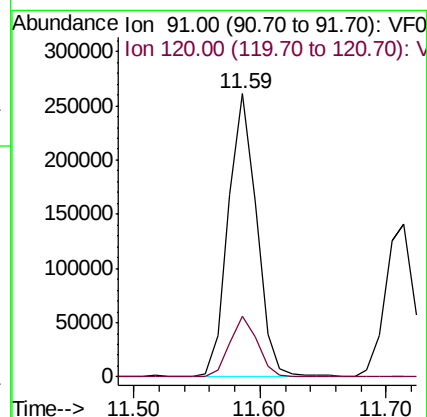
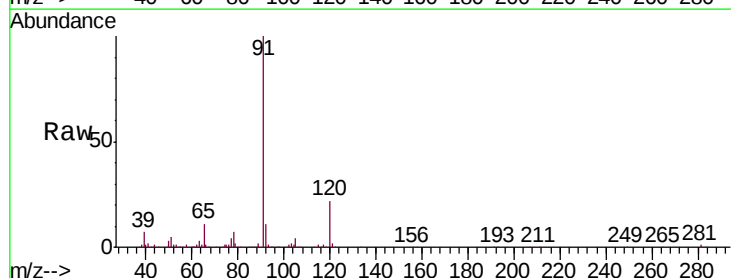
Instrument :
MSVOA_F
ClientSampleId :
VF1112SBS01

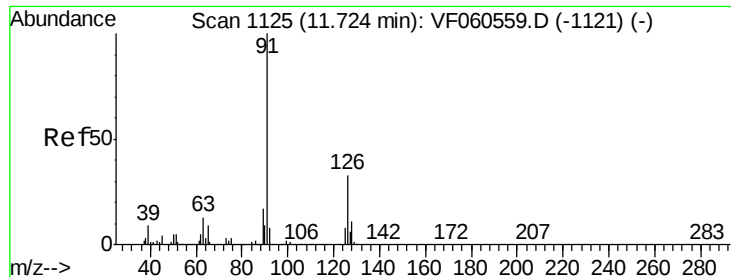
Tgt Ion: 156 Resp: 70091
Ion Ratio Lower Upper
156 100
77 160.4 89.3 268.1
158 96.6 50.0 150.1



#78
n-propylbenzene
Concen: 23.871 ug/l
RT: 11.59 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VF060691.D
Acq: 12 Nov 2018 18:05

Tgt Ion: 91 Resp: 405966
Ion Ratio Lower Upper
91 100
120 21.7 10.5 31.6





#79

2-Chlorotoluene

Concen: 23.043 ug/l

RT: 11.71 min Scan# 1124

Delta R.T. -0.01 min

Lab File: VF060691.D

Acq: 12 Nov 2018 18:05

Instrument :

MSVOA_F

ClientSampleId :

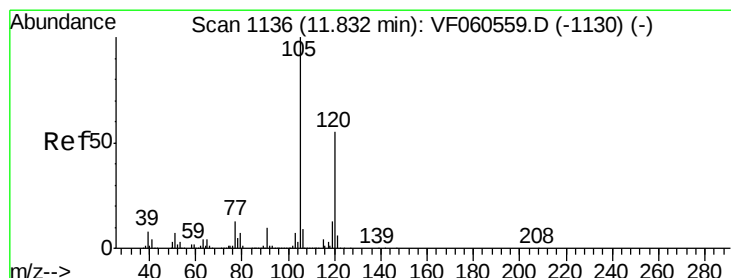
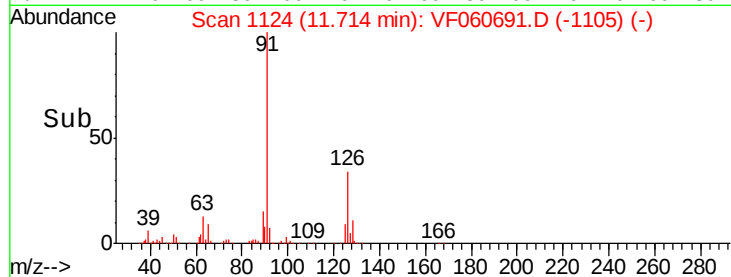
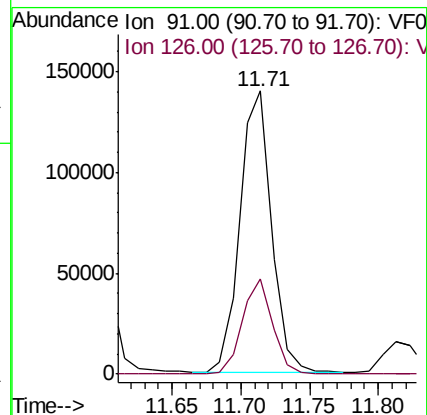
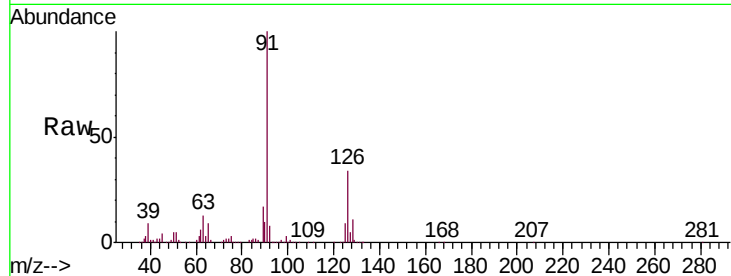
VF1112SBS01

Tgt Ion: 91 Resp: 223798

Ion Ratio Lower Upper

91 100

126 33.6 16.5 49.5



#80

1,3,5-Trimethylbenzene

Concen: 23.072 ug/l

RT: 11.81 min Scan# 1134

Delta R.T. -0.02 min

Lab File: VF060691.D

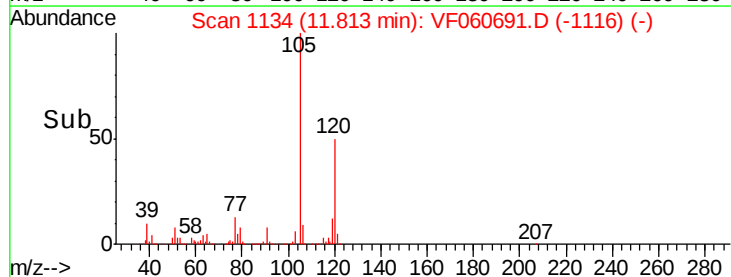
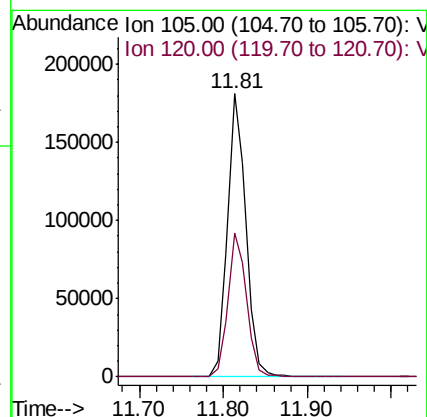
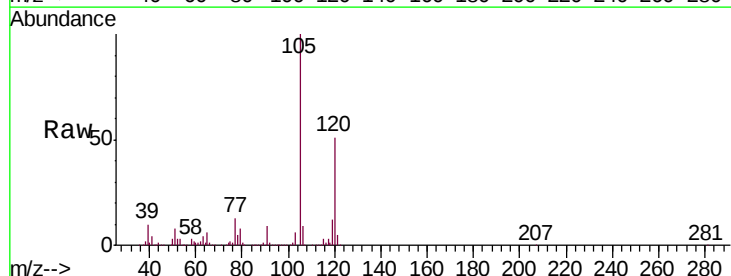
Acq: 12 Nov 2018 18:05

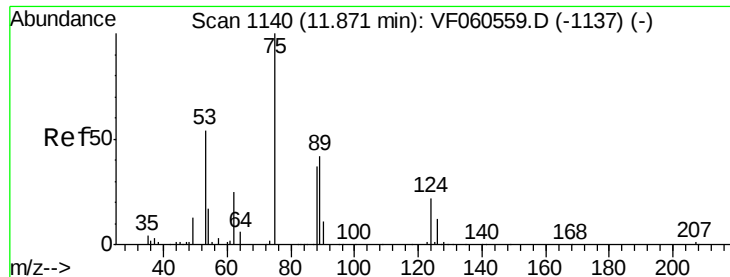
Tgt Ion: 105 Resp: 276433

Ion Ratio Lower Upper

105 100

120 50.7 27.6 82.8





#81

trans-1,4-Dichloro-2-butene

Concen: 24.927 ug/l

RT: 11.86 min Scan# 1139

Delta R.T. -0.01 min

Lab File: VF060691.D

Acq: 12 Nov 2018 18:05

Instrument :

MSVOA_F

ClientSampleId :

VF1112SBS01

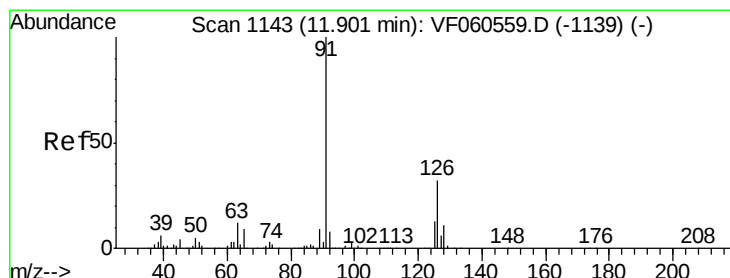
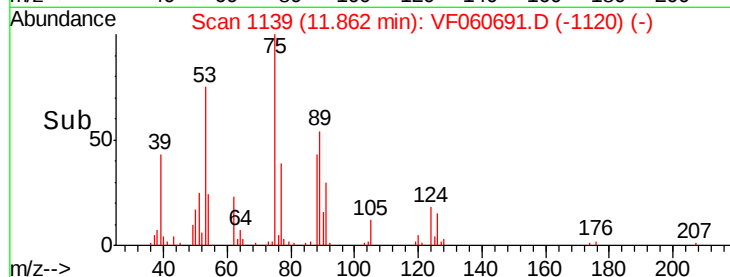
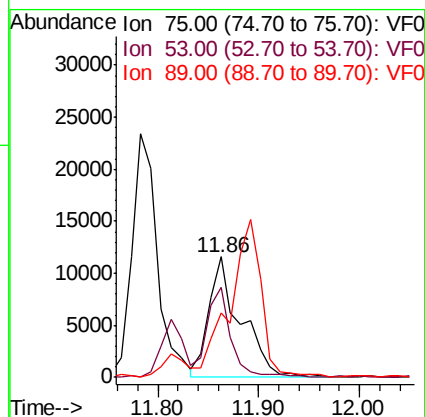
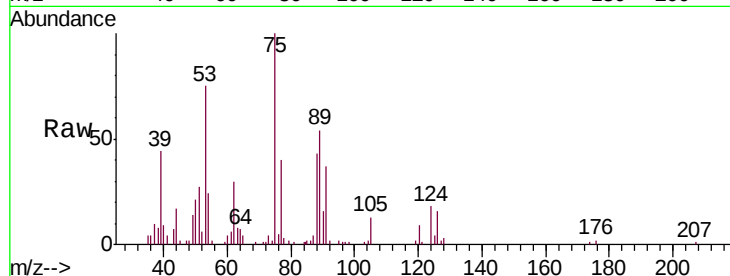
Tgt Ion: 75 Resp: 25543

Ion Ratio Lower Upper

75 100

53 75.3 51.6 77.4

89 53.8 36.7 55.1



#82

4-Chlorotoluene

Concen: 23.370 ug/l

RT: 11.89 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VF060691.D

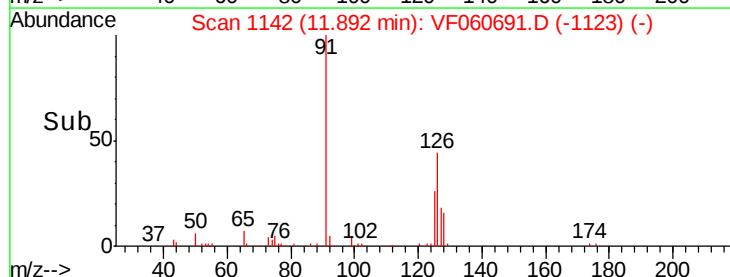
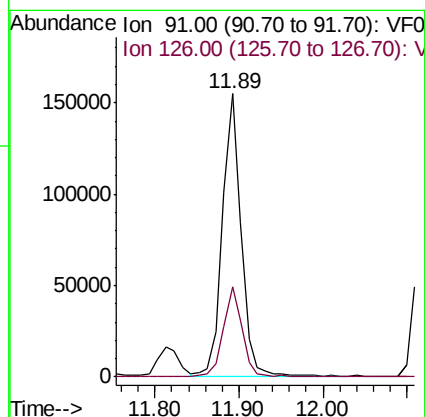
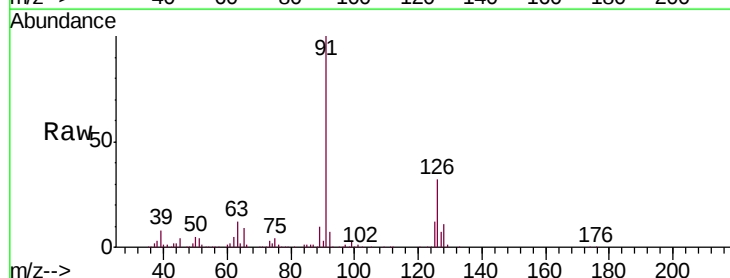
Acq: 12 Nov 2018 18:05

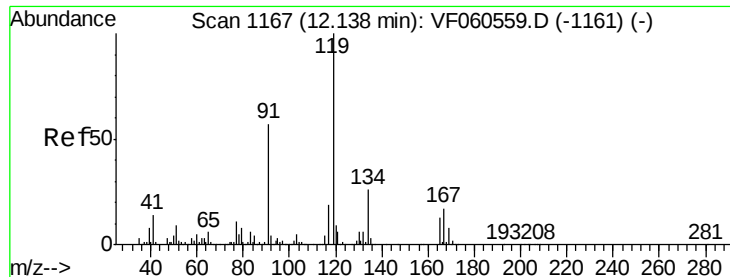
Tgt Ion: 91 Resp: 236806

Ion Ratio Lower Upper

91 100

126 31.9 15.9 47.7





#83

tert-Butylbenzene

Concen: 22.330 ug/l

RT: 12.12 min Scan# 1165

Delta R.T. -0.02 min

Lab File: VF060691.D

Acq: 12 Nov 2018 18:05

Instrument :

MSVOA_F

ClientSampleId :

VF1112SBS01

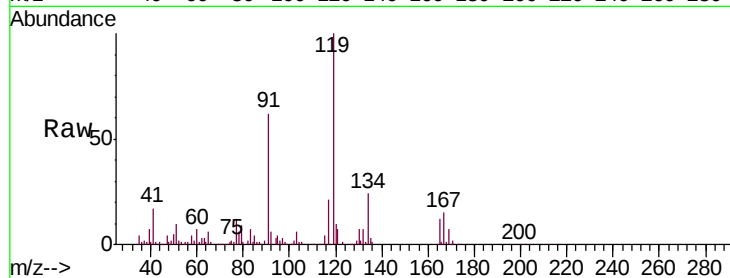
Tgt Ion:119 Resp: 273316

Ion Ratio Lower Upper

119 100

91 61.6 28.8 86.4

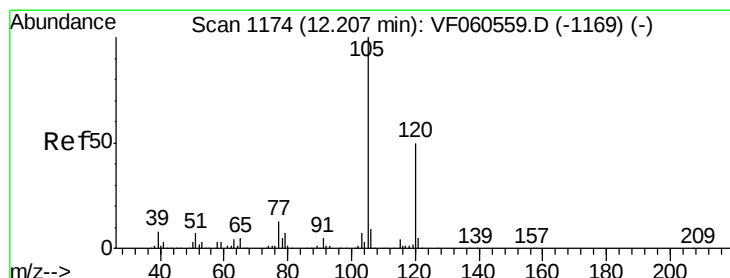
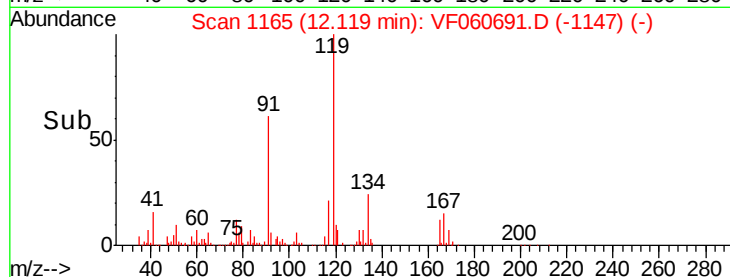
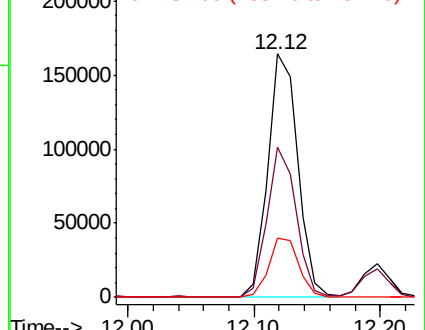
134 24.1 13.2 39.6



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: 23.575 ug/l

RT: 12.20 min Scan# 1173

Delta R.T. -0.01 min

Lab File: VF060691.D

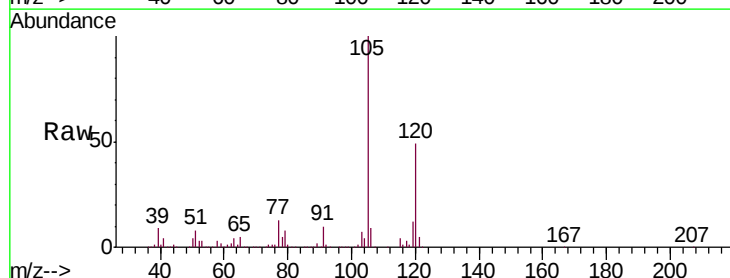
Acq: 12 Nov 2018 18:05

Tgt Ion:105 Resp: 276604

Ion Ratio Lower Upper

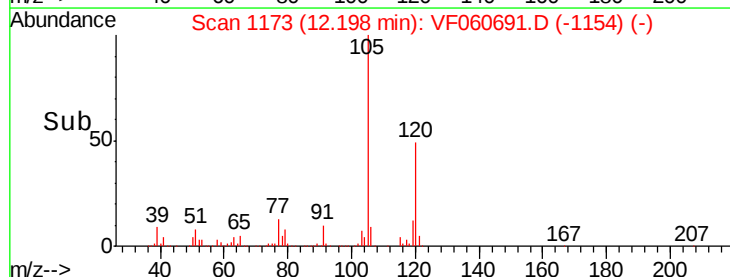
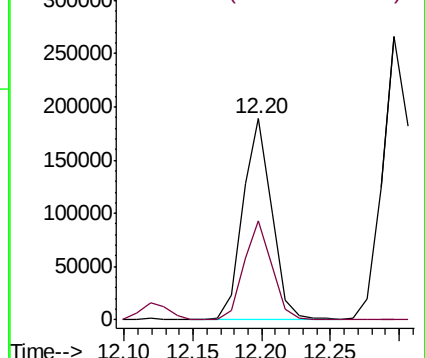
105 100

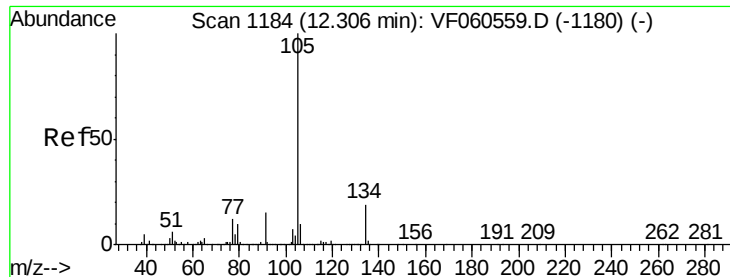
120 49.0 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

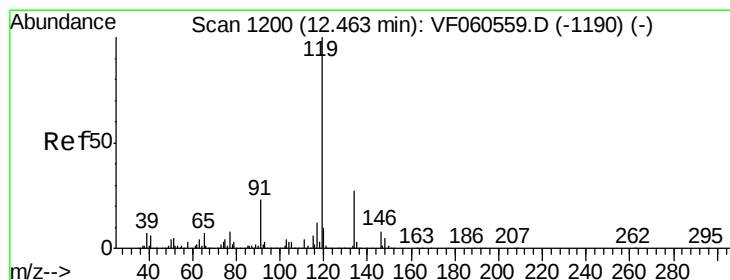
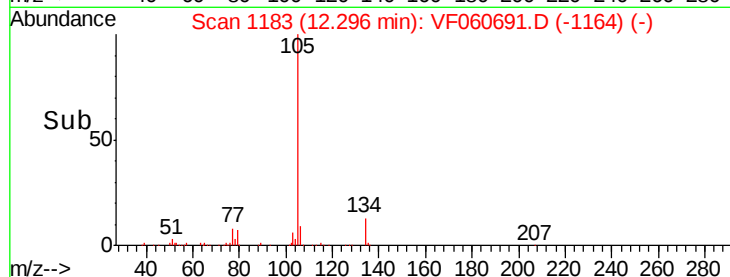
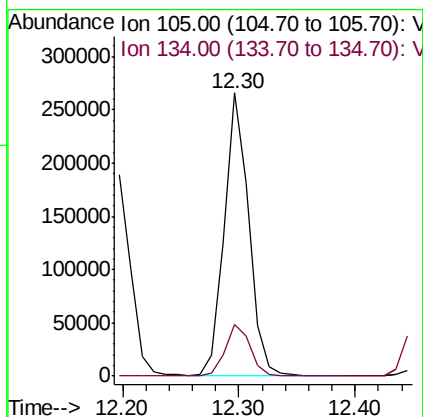
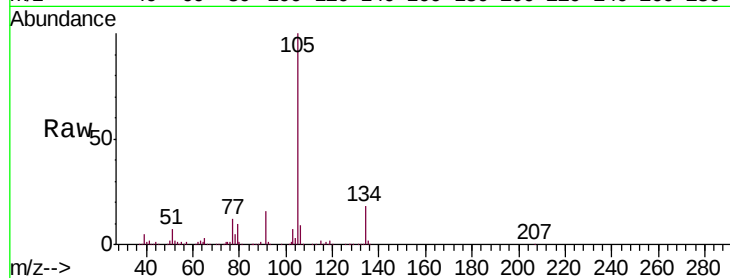




#85
 sec-Butylbenzene
 Concen: 22.965 ug/l
 RT: 12.30 min Scan# 1183
 Delta R.T. -0.01 min
 Lab File: VF060691.D
 Acq: 12 Nov 2018 18:05

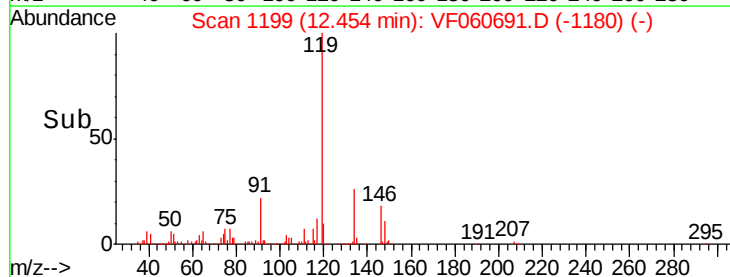
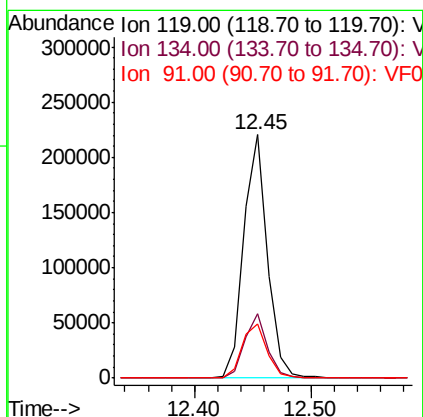
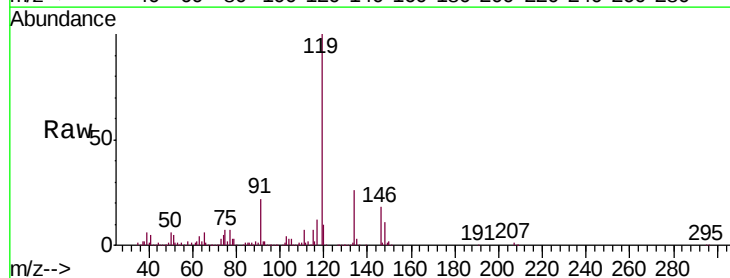
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1112SBS01

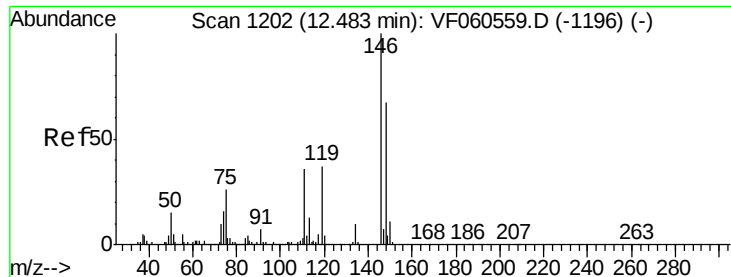
Tgt Ion:105 Resp: 386680
 Ion Ratio Lower Upper
 105 100
 134 18.1 9.7 29.1



#86
 p-Isopropyltoluene
 Concen: 22.493 ug/l
 RT: 12.45 min Scan# 1199
 Delta R.T. -0.01 min
 Lab File: VF060691.D
 Acq: 12 Nov 2018 18:05

Tgt Ion:119 Resp: 311882
 Ion Ratio Lower Upper
 119 100
 134 26.4 13.6 40.7
 91 22.2 11.4 34.2

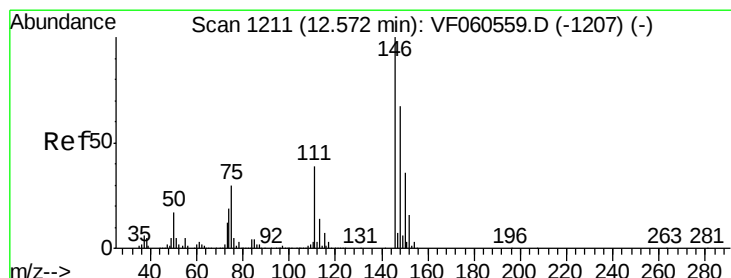
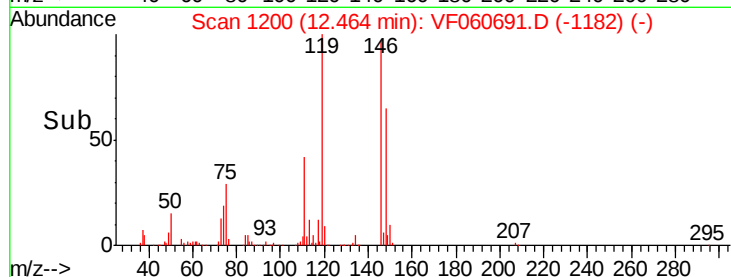
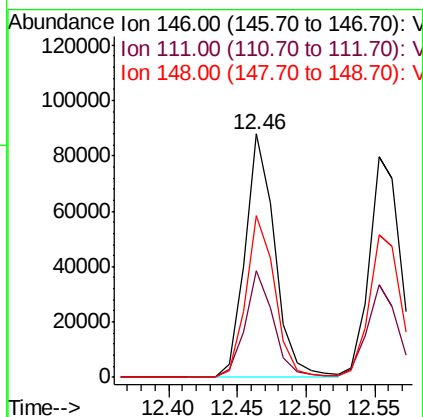
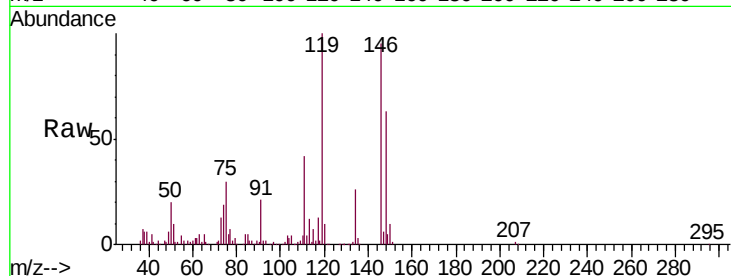




#87
 1,3-Dichlorobenzene
 Concen: 21.416 ug/l
 RT: 12.46 min Scan# 1200
 Delta R.T. -0.02 min
 Lab File: VF060691.D
 Acq: 12 Nov 2018 18:05

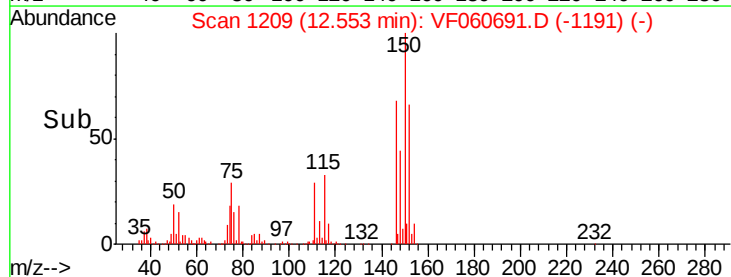
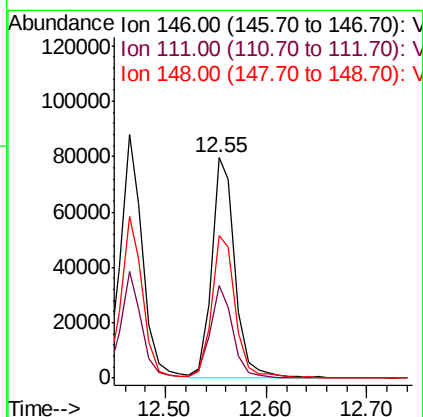
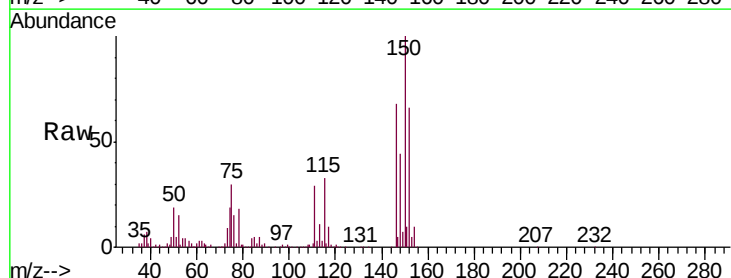
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1112SBS01

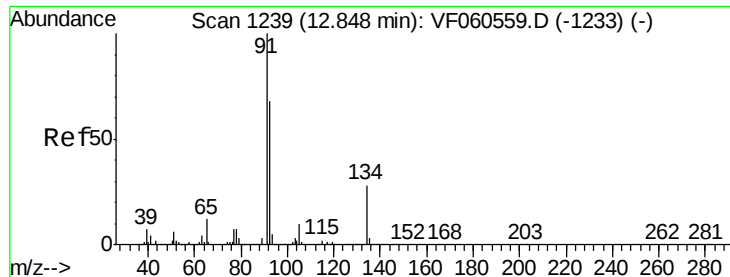
Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.8	18.3	54.8
148	66.6	33.5	100.4



#88
 1,4-Dichlorobenzene
 Concen: 21.675 ug/l
 RT: 12.55 min Scan# 1209
 Delta R.T. -0.02 min
 Lab File: VF060691.D
 Acq: 12 Nov 2018 18:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.0	19.7	59.1
148	65.0	33.7	101.1





#89

n-Butylbenzene

Concen: 22.648 ug/l

RT: 12.84 min Scan# 1238

Delta R.T. -0.01 min

Lab File: VF060691.D

Acq: 12 Nov 2018 18:05

Instrument :

MSVOA_F

ClientSampleId :

VF1112SBS01

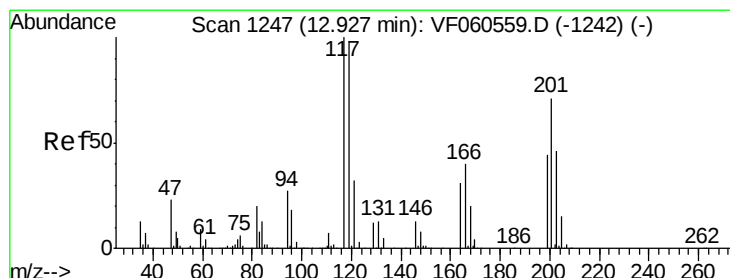
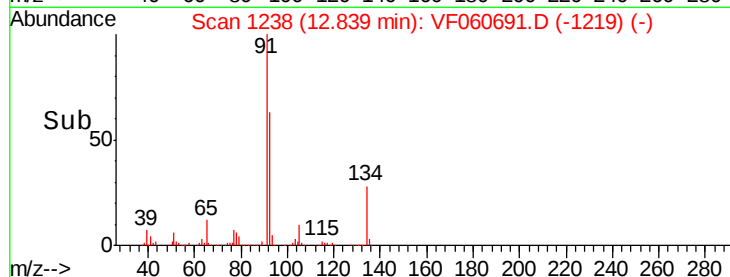
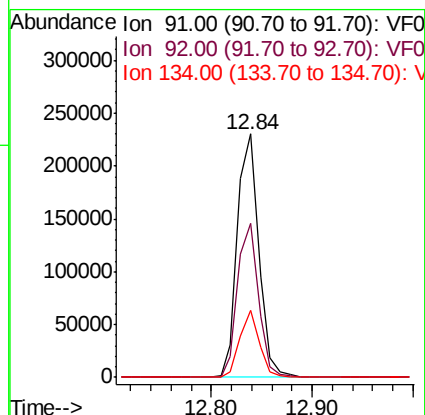
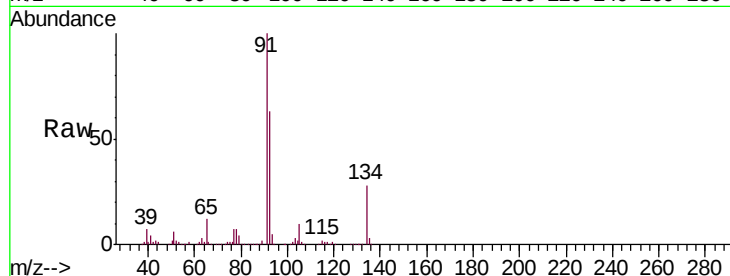
Tgt Ion: 91 Resp: 339668

Ion Ratio Lower Upper

91 100

92 63.3 34.1 102.2

134 27.5 13.9 41.6



#90

Hexachloroethane

Concen: 22.075 ug/l

RT: 12.91 min Scan# 1245

Delta R.T. -0.02 min

Lab File: VF060691.D

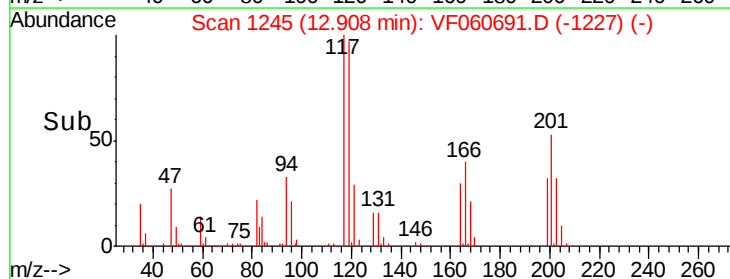
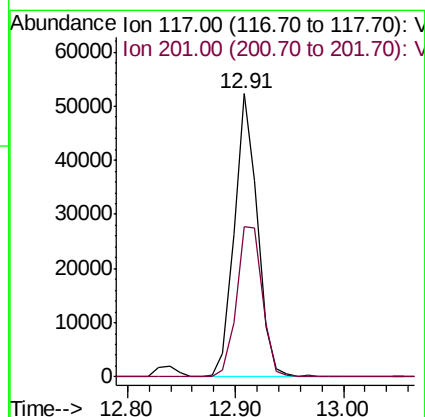
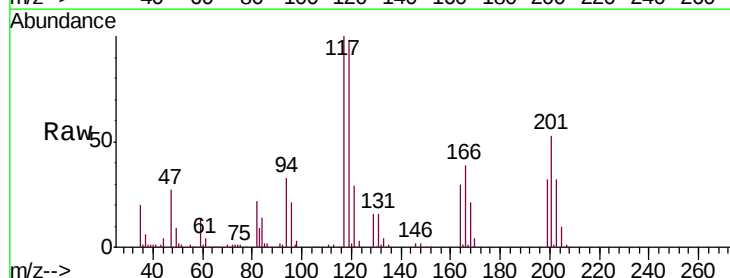
Acq: 12 Nov 2018 18:05

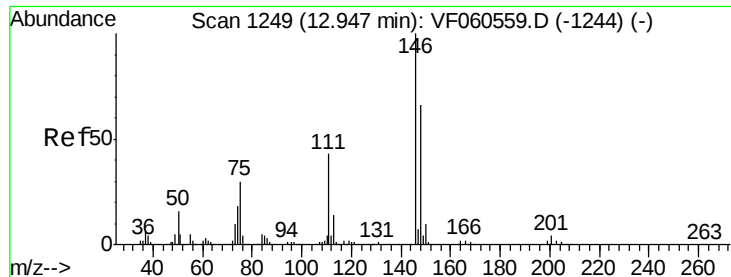
Tgt Ion: 117 Resp: 77840

Ion Ratio Lower Upper

117 100

201 53.2 35.2 105.6





#91

1,2-Dichlorobenzene

Concen: 22.208 ug/l

RT: 12.94 min Scan# 1248

Delta R.T. -0.01 min

Lab File: VF060691.D

Acq: 12 Nov 2018 18:05

Instrument :

MSVOA_F

ClientSampleId :

VF1112SBS01

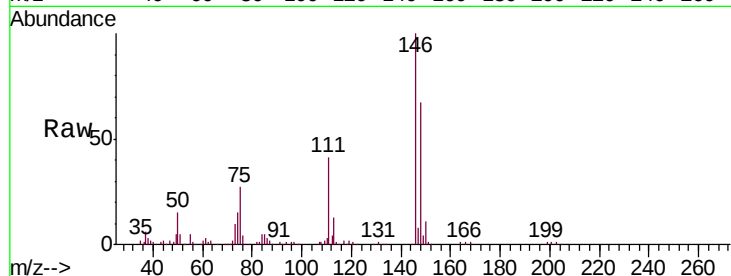
Tgt Ion:146 Resp: 129705

Ion Ratio Lower Upper

146 100

111 41.1 21.3 64.0

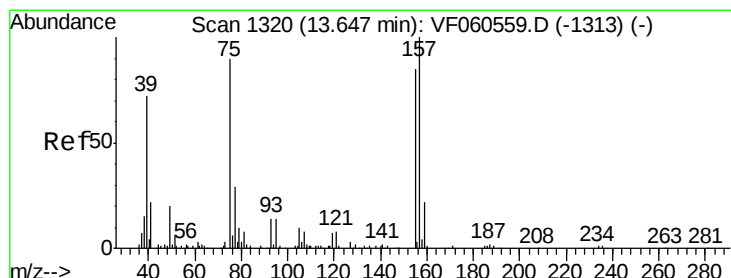
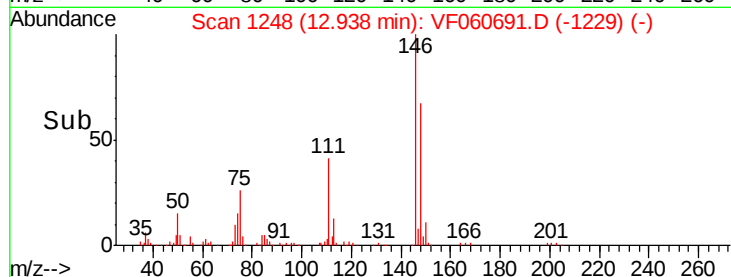
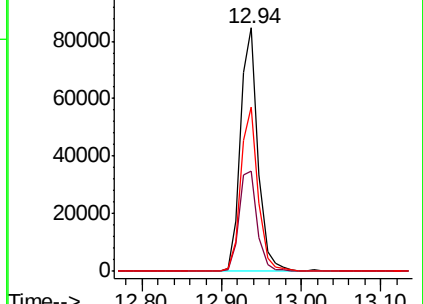
148 67.3 32.9 98.7



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.738 ug/l

RT: 13.64 min Scan# 1319

Delta R.T. -0.01 min

Lab File: VF060691.D

Acq: 12 Nov 2018 18:05

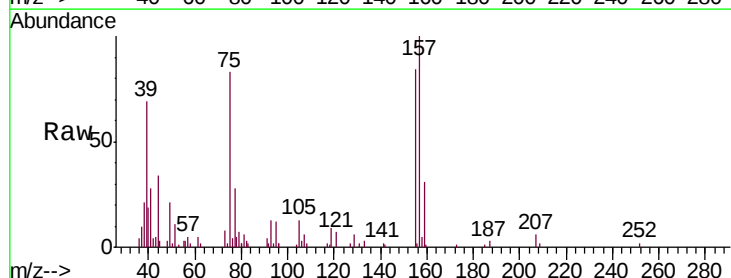
Tgt Ion: 75 Resp: 9098

Ion Ratio Lower Upper

75 100

155 102.2 47.3 141.8

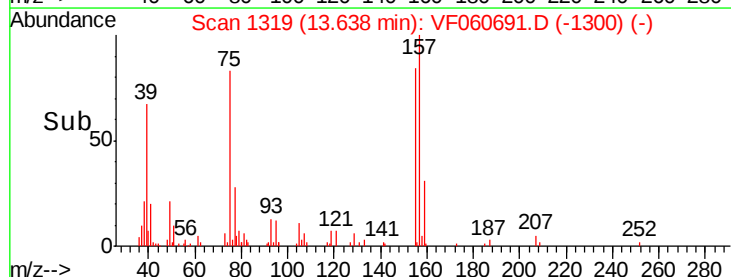
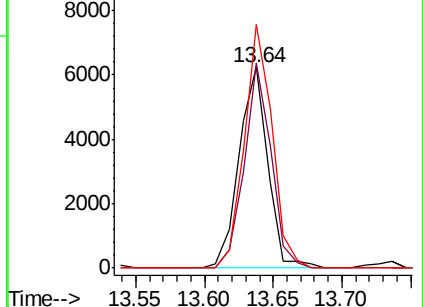
157 121.0 55.3 165.9

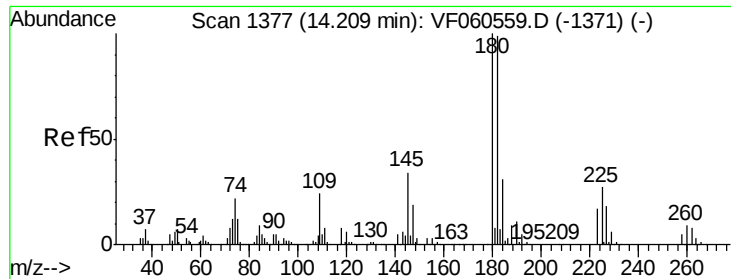


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

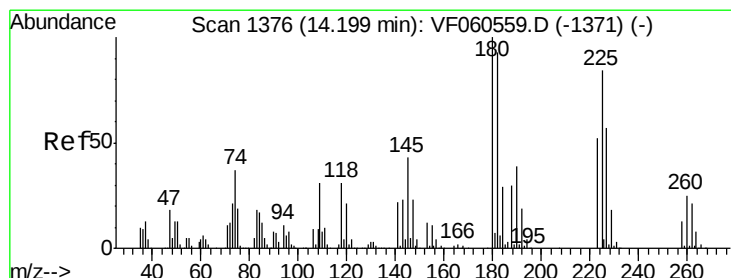
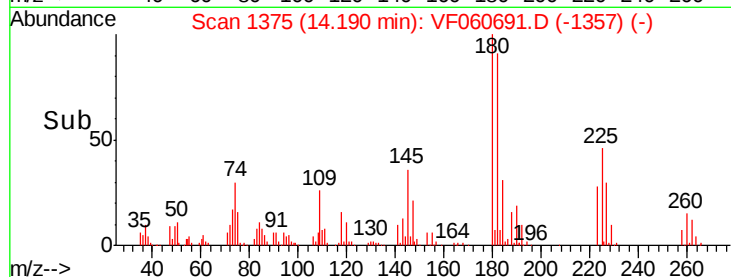
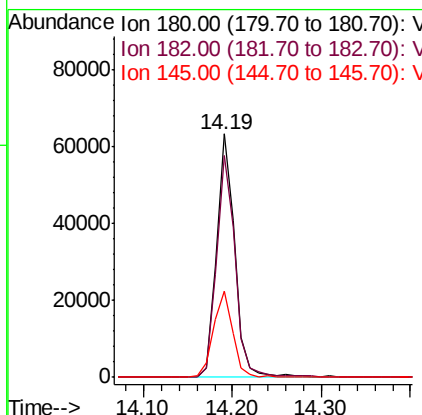
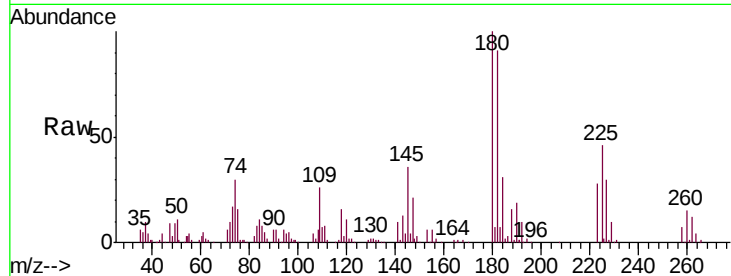




#93
 1,2,4-Trichlorobenzene
 Concen: 22.694 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.02 min
 Lab File: VF060691.D
 Acq: 12 Nov 2018 18:05

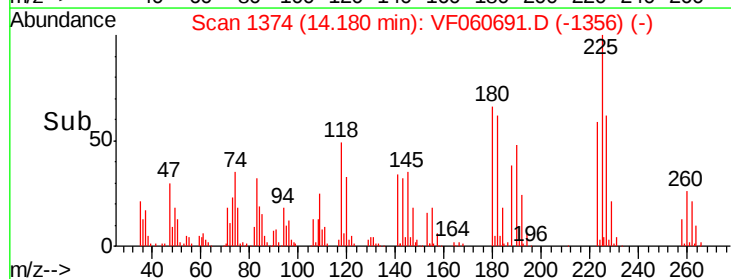
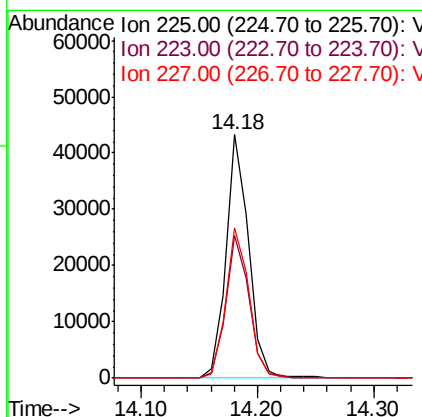
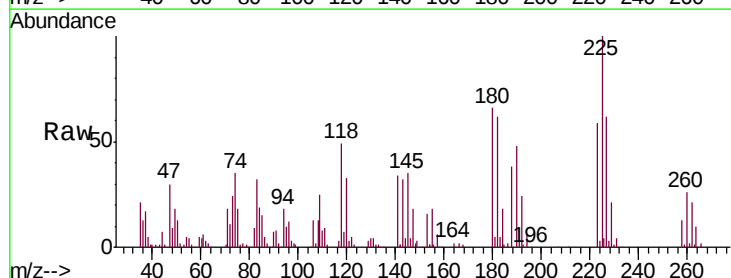
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1112SBS01

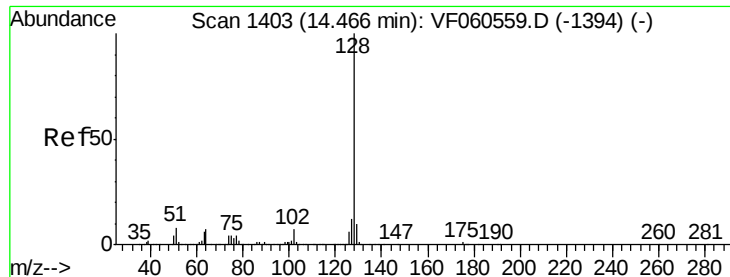
Tgt Ion:180 Resp: 90042
 Ion Ratio Lower Upper
 180 100
 182 91.2 49.7 149.1
 145 35.6 16.9 50.7



#94
 Hexachlorobutadiene
 Concen: 22.568 ug/l
 RT: 14.18 min Scan# 1374
 Delta R.T. -0.02 min
 Lab File: VF060691.D
 Acq: 12 Nov 2018 18:05

Tgt Ion:225 Resp: 58022
 Ion Ratio Lower Upper
 225 100
 223 58.7 30.9 92.5
 227 61.7 33.9 101.6

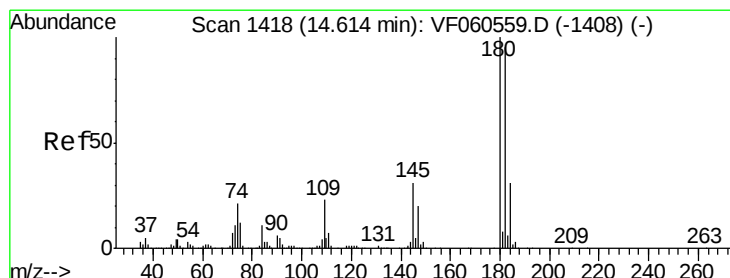
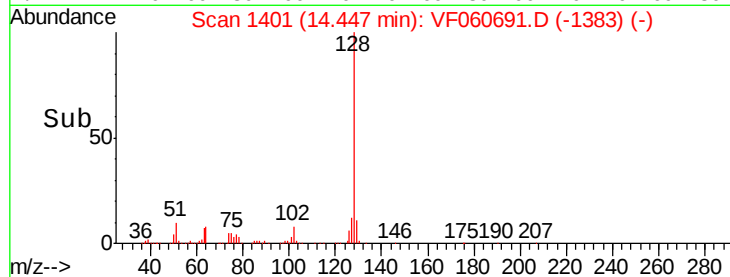
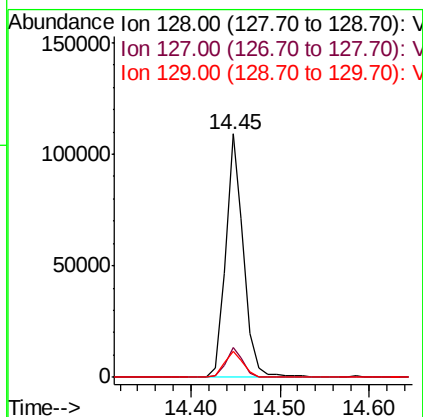
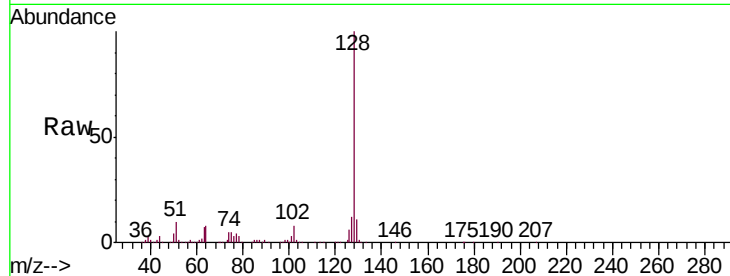




#95
Naphthalene
Concen: 19.593 ug/l
RT: 14.45 min Scan# 1401
Delta R.T. -0.02 min
Lab File: VF060691.D
Acq: 12 Nov 2018 18:05

Instrument :
MSVOA_F
ClientSampleId :
VF1112SBS01

Tgt Ion:128 Resp: 155598
Ion Ratio Lower Upper
128 100
127 12.3 9.4 14.0
129 10.7 8.4 12.6



#96
1,2,3-Trichlorobenzene
Concen: 22.460 ug/l
RT: 14.59 min Scan# 1416
Delta R.T. -0.02 min
Lab File: VF060691.D
Acq: 12 Nov 2018 18:05

Tgt Ion:180 Resp: 84183
Ion Ratio Lower Upper
180 100
182 92.0 47.3 142.0
145 34.6 15.6 46.8

