

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF010919\
 Data File : VF061298.D
 Acq On : 9 Jan 2019 13:48
 Operator : VA/AP
 Sample : K1082-01
 Misc : 3.46g/5mL/MSVOA-F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SP-1-1

Quant Time: Jan 10 05:52:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F010819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 09 07:13:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.90	168	10401	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.62	114	15525	50.00	ug/l	0.01
63) Chlorobenzene-d5	9.80	117	10660	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.56	152	2932	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.88	65	2309	19.94	ug/l	0.02
Spiked Amount	50.000		Recovery	=	39.88%	
35) Dibromofluoromethane	4.14	113	4612	38.82	ug/l	0.02
Spiked Amount	50.000		Recovery	=	77.64%	
50) Toluene-d8	7.57	98	14158	40.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.54%	
62) 4-Bromofluorobenzene	11.43	95	3690	24.04	ug/l	0.01
Spiked Amount	50.000		Recovery	=	48.08%	

Target Compounds

						Qvalue
3) Chloromethane	1.07	50	427	2.498	ug/l #	40
5) Bromomethane	1.31	94	542	6.758	ug/l #	6
8) Diethyl Ether	1.61	74	63	1.657	ug/l	77
11) Tert butyl alcohol	2.54	59	75	16.181	ug/l #	58
13) Acrolein	2.02	56	387	60.735	ug/l #	10
14) Allyl chloride	2.08	41	428	2.142	ug/l #	50
15) Acrylonitrile	2.98	53	629	38.280	ug/l #	34
16) Acetone	2.18	43	709	26.327	ug/l	98
18) Methyl Acetate	2.36	43	560	10.569	ug/l #	65
20) Methylene Chloride	2.21	84	721	6.328	ug/l #	46
23) Vinyl Acetate	3.22	43	674	5.963	ug/l #	77
25) 2-Butanone	4.36	43	461	10.636	ug/l #	56
29) Tetrahydrofuran	4.09	42	100	5.518	ug/l #	36
37) Ethyl Acetate	4.15	43	178	2.696	ug/l #	1
40) Benzene	4.65	78	947	2.237	ug/l #	51
41) Methacrylonitrile	4.75	41	121	3.282	ug/l #	52
48) Methyl methacrylate	6.72	41	102	1.803	ug/l #	86
51) 4-Methyl-2-Pentanone	8.30	43	504	7.661	ug/l #	38
52) Toluene	7.65	92	4220	15.512	ug/l	79
59) 2-Hexanone	9.65	43	295	6.329	ug/l	89
67) Ethyl Benzene	9.91	91	497	1.197	ug/l #	48
74) N-amyl acetate	11.33	43	930	15.857	ug/l #	44
75) 1,1,2,2-Tetrachloroethane	11.68	83	318	7.774	ug/l #	25
76) 1,2,3-Trichloropropane	11.70	75	60	2.000	ug/l #	1
78) n-propylbenzene	11.63	91	1288	4.187	ug/l #	55
79) 2-Chlorotoluene	11.70	91	978	5.706	ug/l #	41
80) 1,3,5-Trimethylbenzene	11.83	105	399	1.944	ug/l #	27
81) trans-1,4-Dichloro-2-buten	11.99	75	62	4.729	ug/l #	1
82) 4-Chlorotoluene	11.88	91	180	1.034	ug/l #	42
84) 1,2,4-Trimethylbenzene	12.20	105	209	1.025	ug/l	66
87) 1,3-Dichlorobenzene	12.50	146	267	2.664	ug/l #	6
88) 1,4-Dichlorobenzene	12.56	146	235	2.439	ug/l #	1
89) n-Butylbenzene	12.85	91	912	3.747	ug/l #	27
90) Hexachloroethane	12.90	117	259	4.780	ug/l #	23

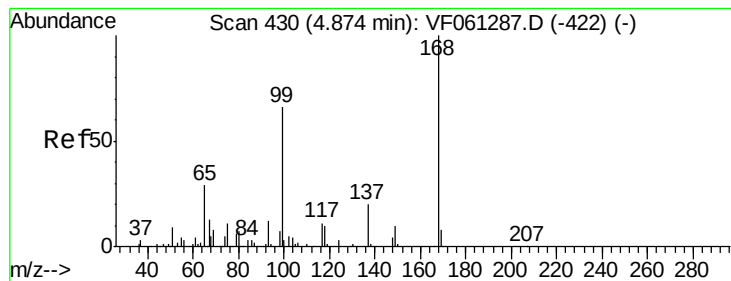
Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF010919\
Data File : VF061298.D
Acq On : 9 Jan 2019 13:48
Operator : VA/AP
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Quant Time: Jan 10 05:52:53 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F010819S.M
Quant Title : SW846 8260
QLast Update : Wed Jan 09 07:13:51 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
91) 1,2-Dichlorobenzene	12.93	146	553	5.780	ug/l #	1
92) 1,2-Dibromo-3-Chloropropan	13.59	75	67	9.694	ug/l	82
93) 1,2,4-Trichlorobenzene	14.20	180	141	2.142	ug/l #	1
95) Naphthalene	14.45	128	414	3.337	ug/l #	1
96) 1,2,3-Trichlorobenzene	14.63	180	64	1.032	ug/l #	1

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.90 min Scan# 433

Delta R.T. 0.02 min

Lab File: VF061298.D

Acq: 9 Jan 2019 13:48

Instrument :

MSVOA_F

ClientSampleId :

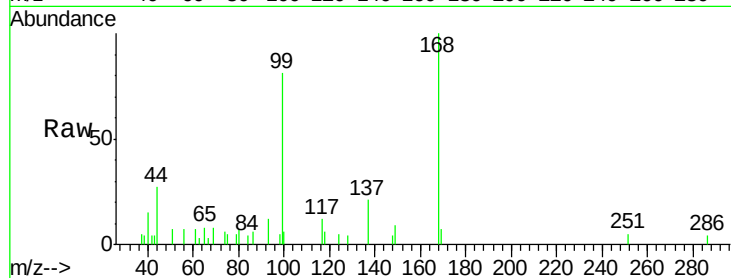
SP-1-1

Tot Ion:168 Resp: 10401

Ion Ratio Lower Upper

168 100

99 80.7 52.7 79.1#



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.90

3000

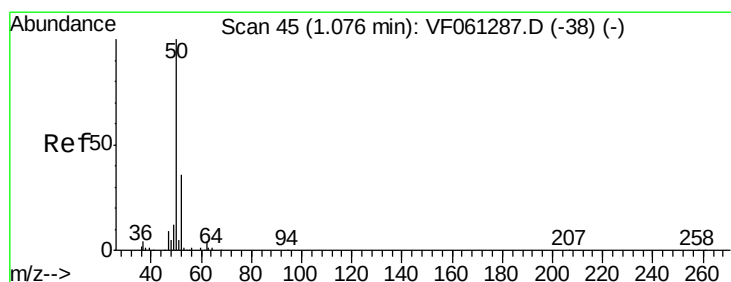
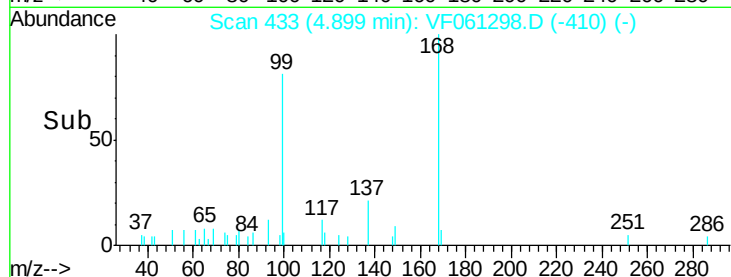
2000

1000

0

4.80 4.90 5.00

Time-->



#3

Chloromethane

Concen: 2.498 ug/l

RT: 1.07 min Scan# 45

Delta R.T. -0.00 min

Lab File: VF061298.D

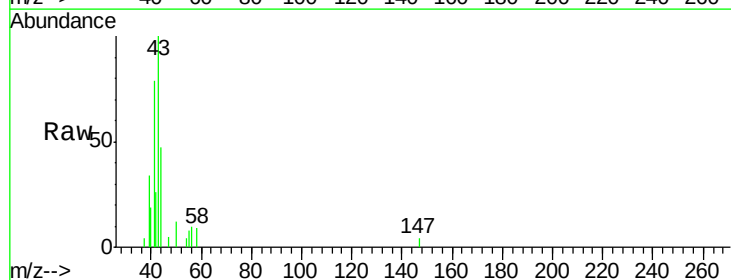
Acq: 9 Jan 2019 13:48

Tgt Ion: 50 Resp: 427

Ion Ratio Lower Upper

50 100

52 0.0 28.2 42.2#



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

1.07

300

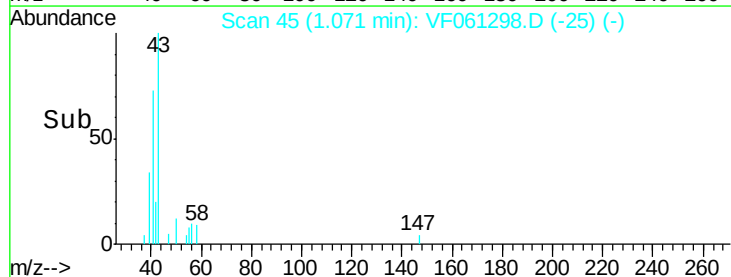
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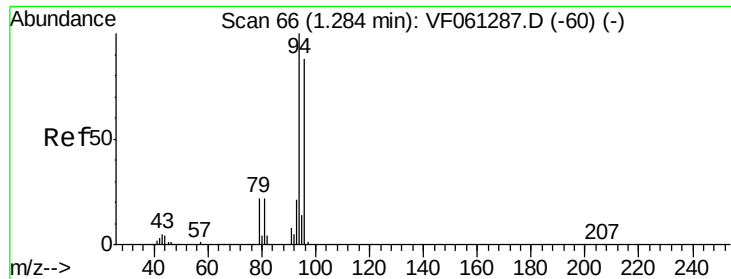
100

0

1.00 1.05 1.10

Time-->





#5

Bromomethane

Concen: 6.758 ug/l

RT: 1.31 min Scan# 69

Delta R.T. 0.03 min

Lab File: VF061298.D

Acq: 9 Jan 2019 13:48

Instrument :

MSVOA_F

ClientSampled :

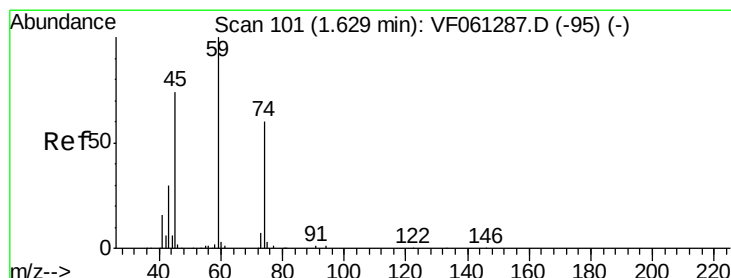
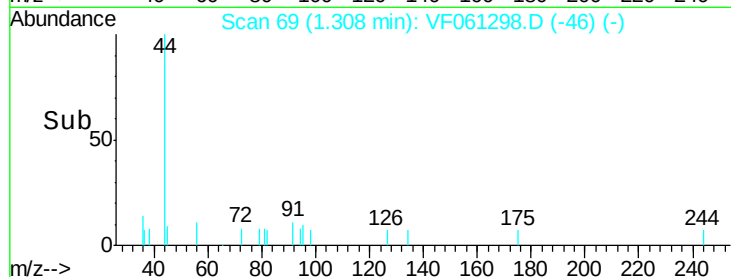
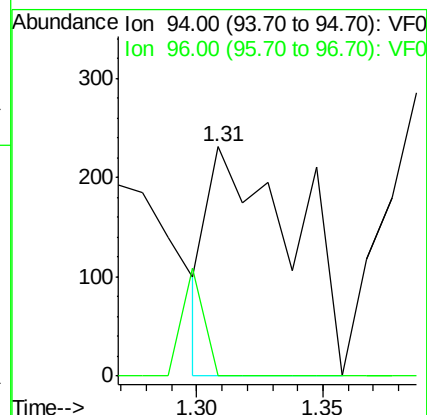
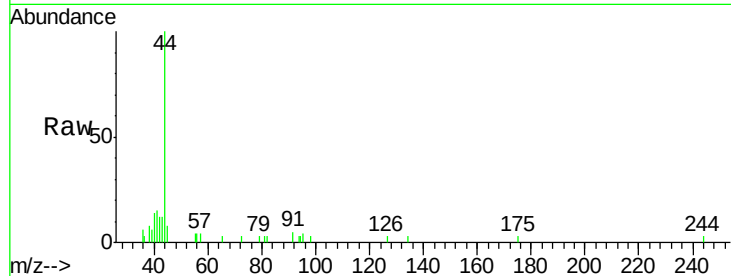
SP-1-1

Tot Ion: 94 Resp: 542

Ion Ratio Lower Upper

94 100

96 0.0 70.2 105.4#



#8

Diethyl Ether

Concen: 1.657 ug/l

RT: 1.61 min Scan# 100

Delta R.T. -0.01 min

Lab File: VF061298.D

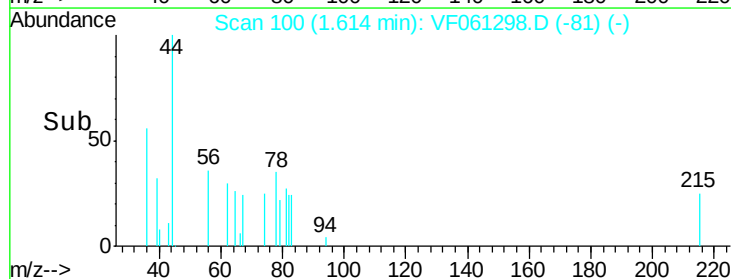
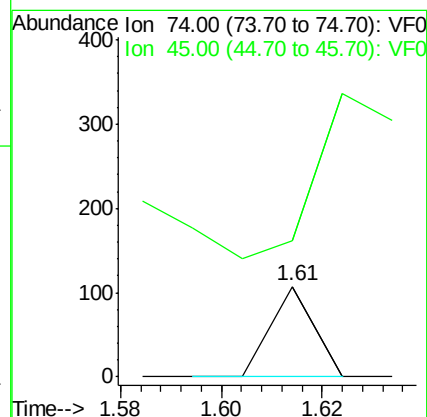
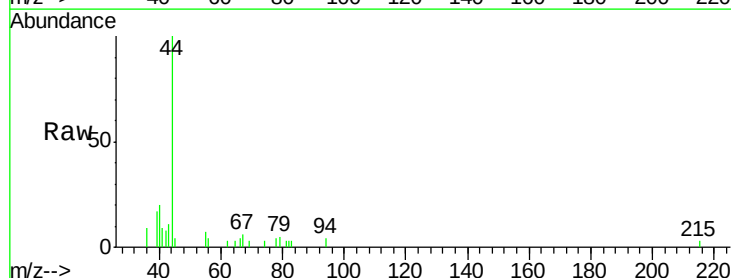
Acq: 9 Jan 2019 13:48

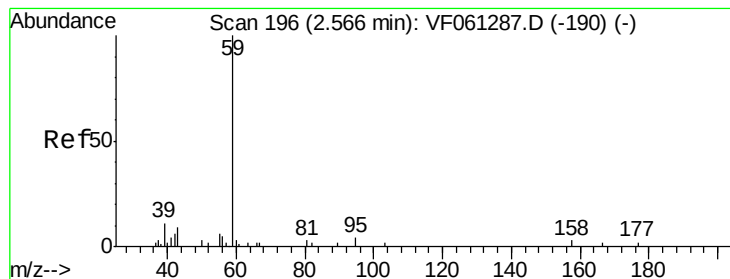
Tgt Ion: 74 Resp: 63

Ion Ratio Lower Upper

74 100

45 150.5 62.1 186.3



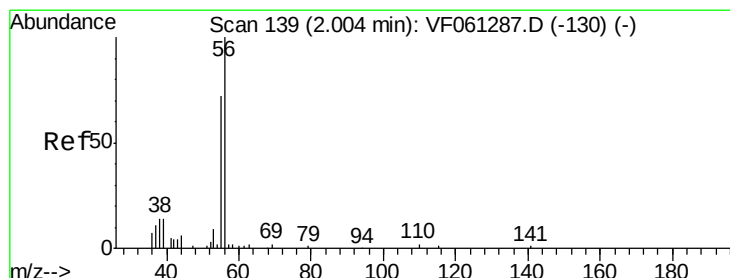
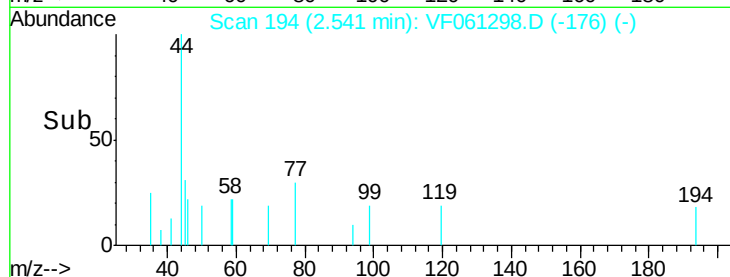
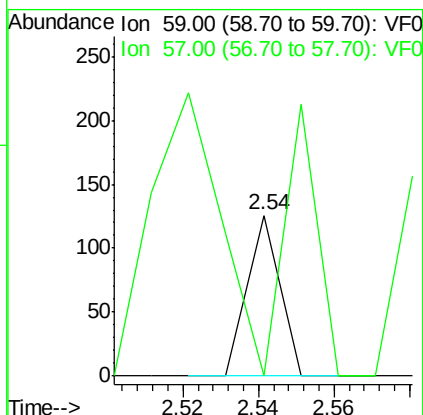
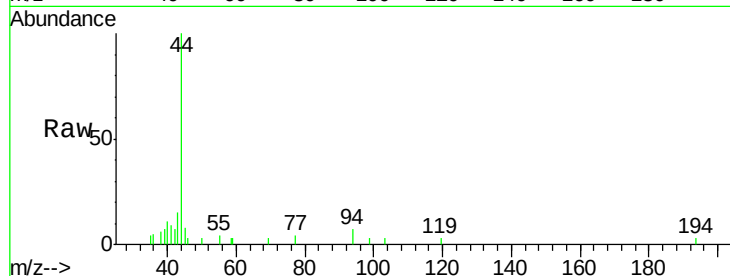


#11

Tert butyl alcohol
 Concen: 16.181 ug/l
 RT: 2.54 min Scan# 194
 Delta R.T. -0.02 min
 Lab File: VF061298.D
 Acq: 9 Jan 2019 13:48

Instrument :
 MSVOA_F
 ClientSampled :
 SP-1-1

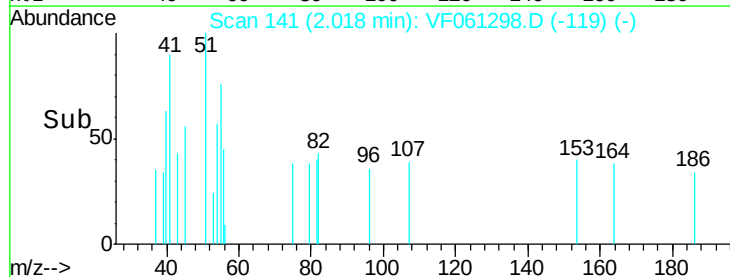
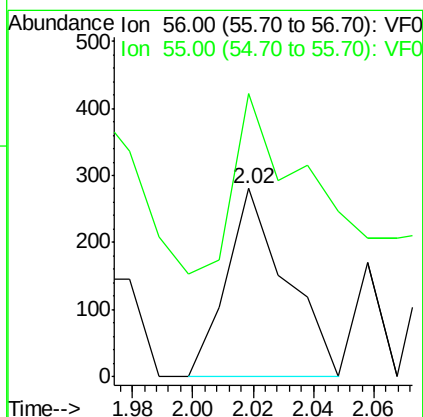
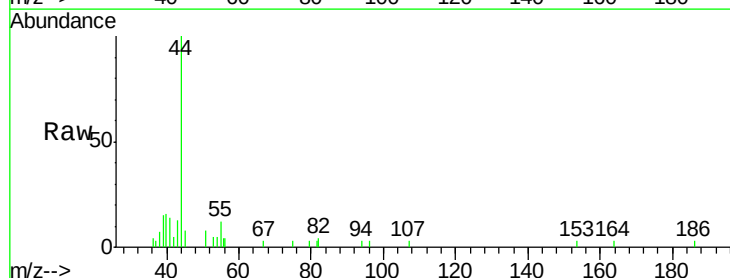
Tot Ion: 59 Resp: 75
 Ion Ratio Lower Upper
 59 100
 57 0.0 15.1 22.7#

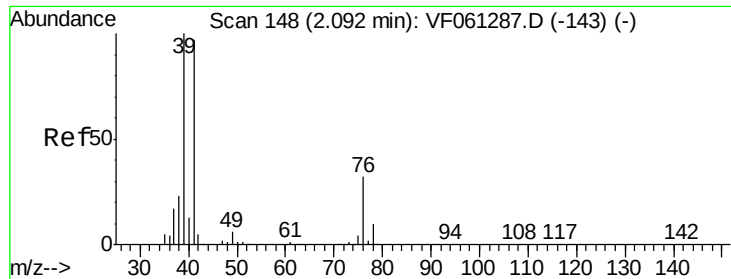


#13

Acrolein
 Concen: 60.735 ug/l
 RT: 2.02 min Scan# 141
 Delta R.T. 0.02 min
 Lab File: VF061298.D
 Acq: 9 Jan 2019 13:48

Tgt Ion: 56 Resp: 387
 Ion Ratio Lower Upper
 56 100
 55 150.7 59.4 89.0#

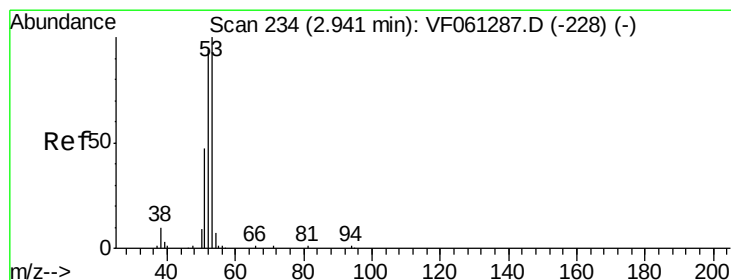
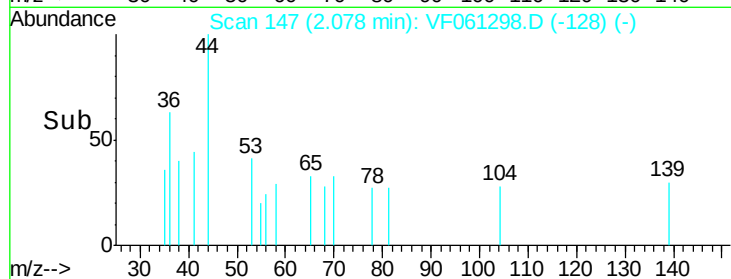
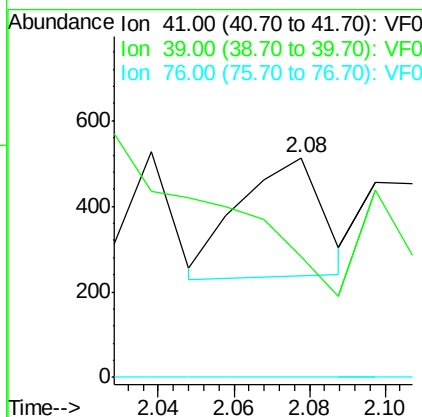
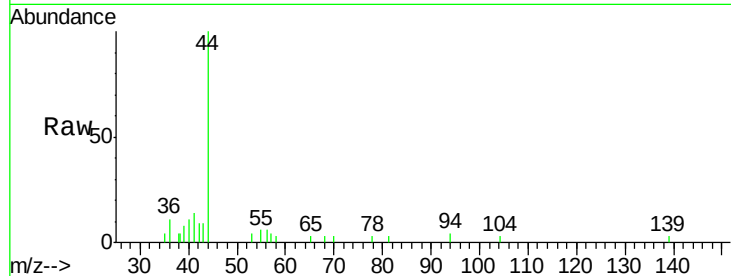




#14
Allvl chloride
Concen: 2.142 ug/l
RT: 2.08 min Scan# 147
Delta R.T. -0.01 min
Lab File: VF061298.D
Acq: 9 Jan 2019 13:48

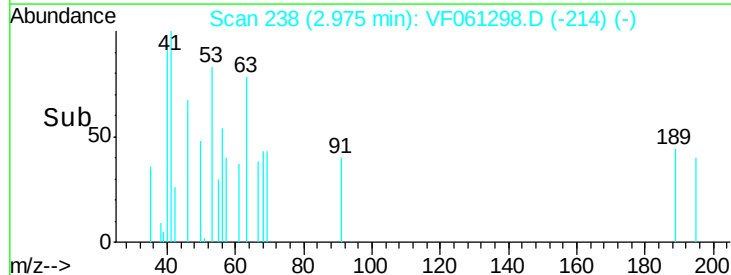
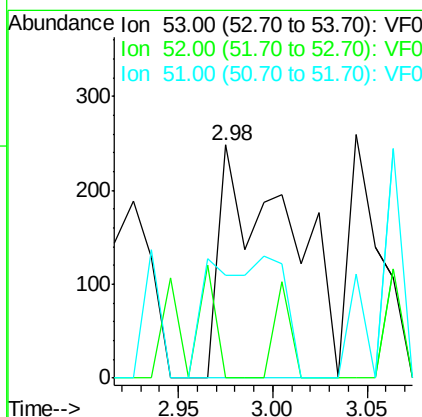
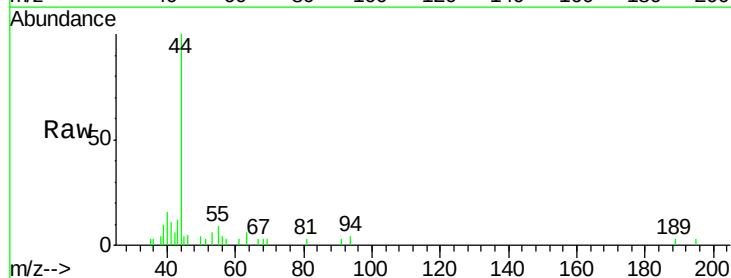
Instrument :
MSVOA_F
ClientSampled :
SP-1-1

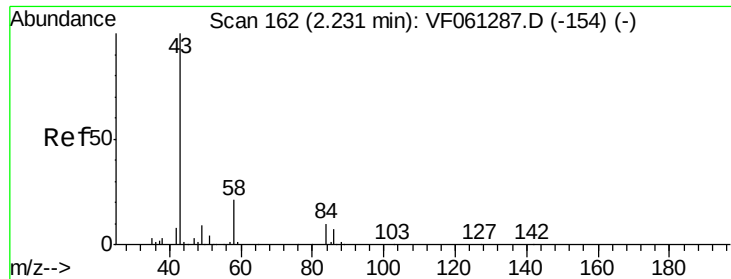
Tot Ion: 41 Resp: 428
Ion Ratio Lower Upper
41 100
39 54.9 82.6 123.8#
76 0.0 26.9 40.3#



#15
Acrylonitrile
Concen: 38.280 ug/l
RT: 2.98 min Scan# 238
Delta R.T. 0.03 min
Lab File: VF061298.D
Acq: 9 Jan 2019 13:48

Tgt Ion: 53 Resp: 629
Ion Ratio Lower Upper
53 100
52 0.0 74.6 111.8#
51 44.4 37.8 56.6





#16

Acetone

Concen: 26.327 ug/l

RT: 2.18 min Scan# 157

Delta R.T. -0.05 min

Lab File: VF061298.D

Acq: 9 Jan 2019 13:48

Instrument :

MSVOA_F

ClientSampled :

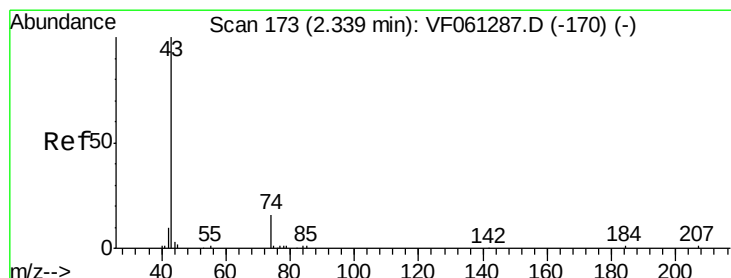
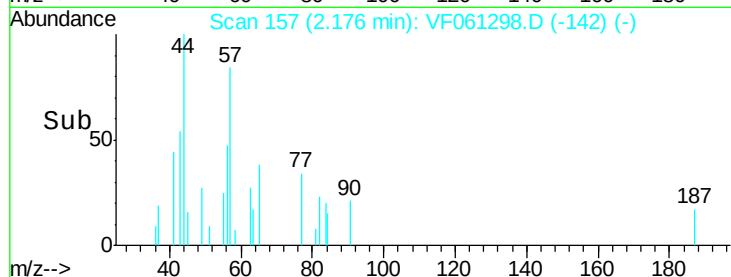
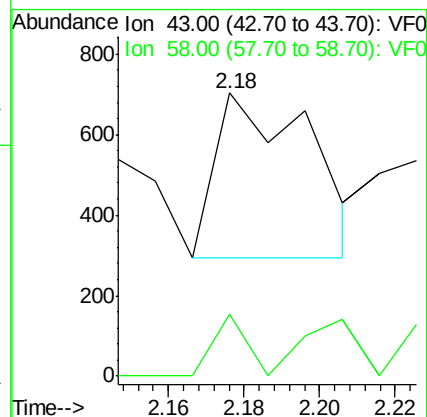
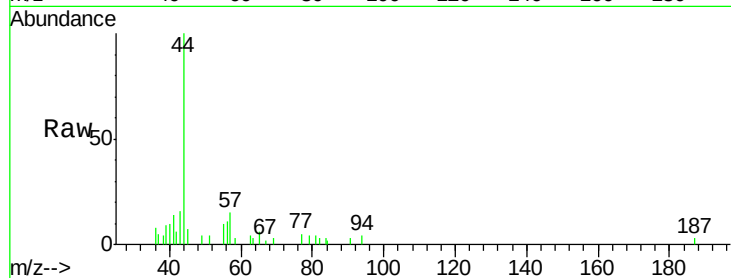
SP-1-1

Tot Ion: 43 Resp: 709

Ion Ratio Lower Upper

43 100

58 21.8 16.6 25.0



#18

Methyl Acetate

Concen: 10.569 ug/l

RT: 2.36 min Scan# 176

Delta R.T. 0.02 min

Lab File: VF061298.D

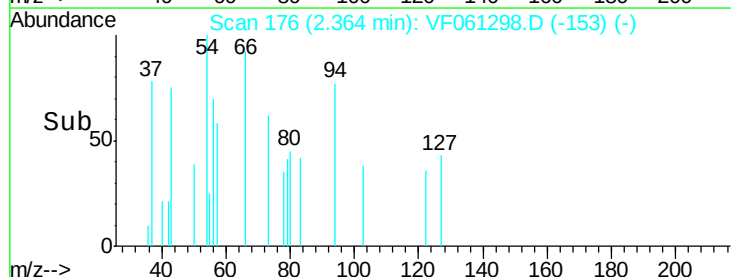
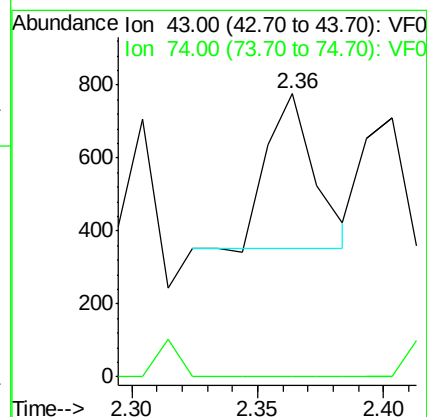
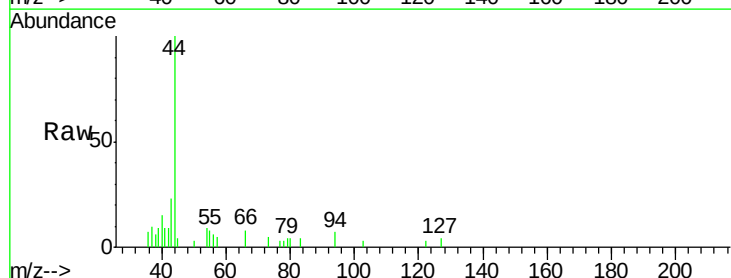
Acq: 9 Jan 2019 13:48

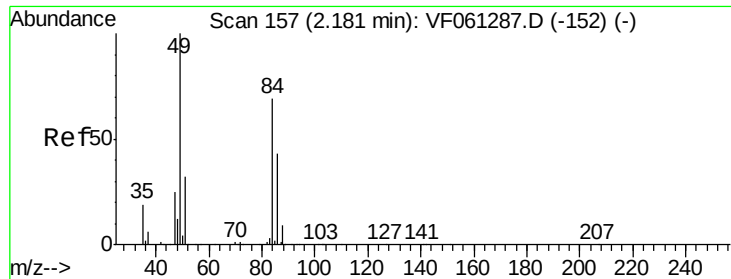
Tgt Ion: 43 Resp: 560

Ion Ratio Lower Upper

43 100

74 0.0 11.6 17.4#

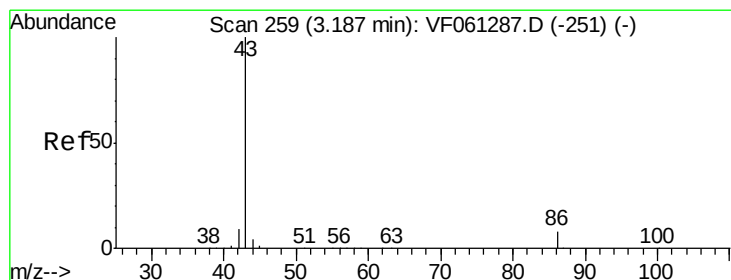
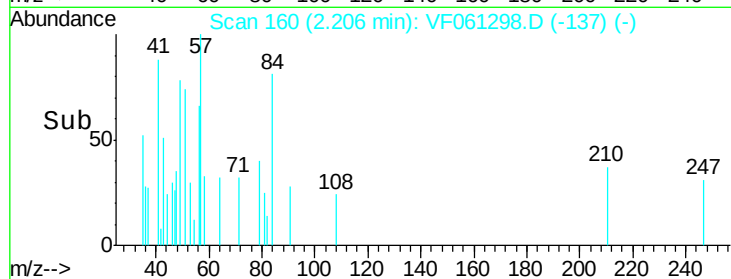
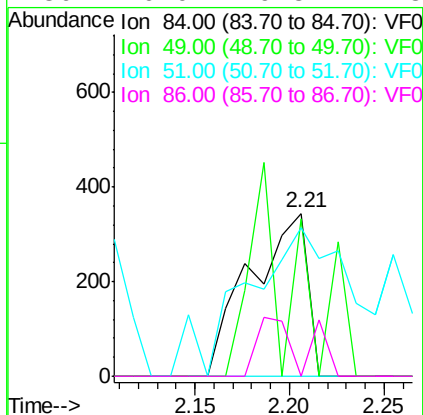
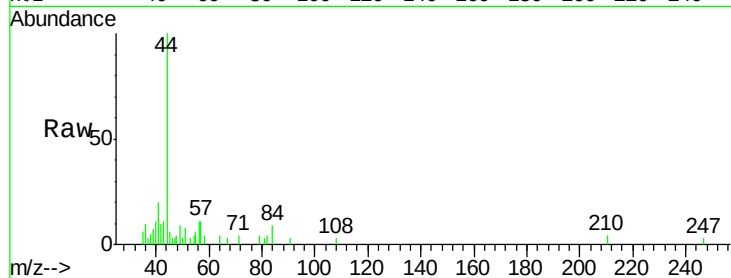




#20
Methvlene Chloride
Concen: 6.328 ug/l
RT: 2.21 min Scan# 160
Delta R.T. 0.02 min
Lab File: VF061298.D
Acq: 9 Jan 2019 13:48

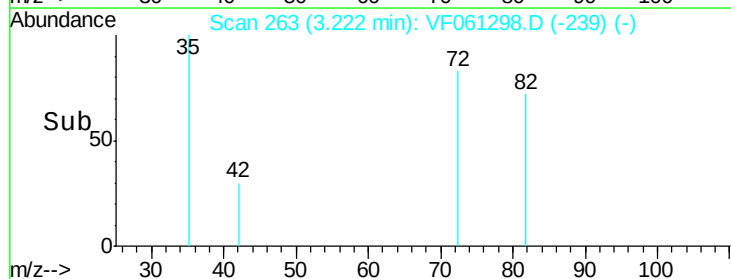
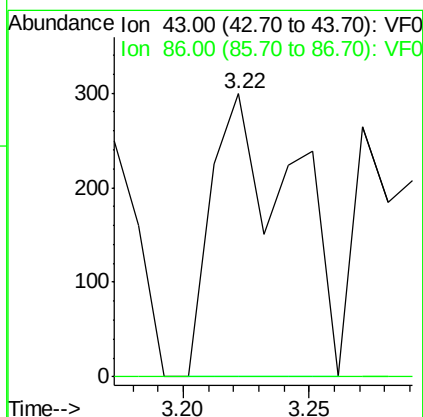
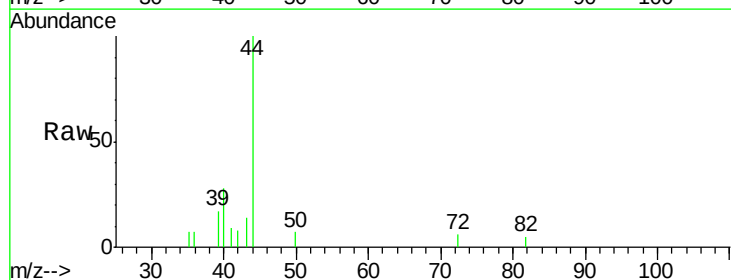
Instrument :
MSVOA_F
ClientSampleId :
SP-1-1

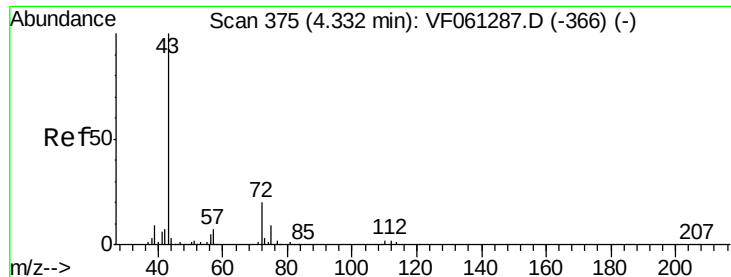
Tot Ion: 84 Resp: 721
Ion Ratio Lower Upper
84 100
49 96.2 116.6 175.0#
51 90.7 37.7 56.5#
86 0.0 49.8 74.8#



#23
Vinyl Acetate
Concen: 5.963 ug/l
RT: 3.22 min Scan# 263
Delta R.T. 0.03 min
Lab File: VF061298.D
Acq: 9 Jan 2019 13:48

Tgt Ion: 43 Resp: 674
Ion Ratio Lower Upper
43 100
86 0.0 6.5 9.7#





#25

2-Butanone

Concen: 10.636 ug/l

RT: 4.36 min Scan# 378

Delta R.T. 0.02 min

Lab File: VF061298.D

Acq: 9 Jan 2019 13:48

Instrument :

MSVOA_F

ClientSampled :

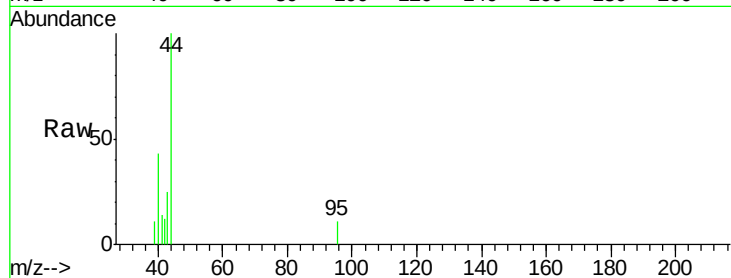
SP-1-1

Tot Ion: 43 Resp: 461

Ion Ratio Lower Upper

43 100

72 0.0 16.5 24.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

4.36

250

200

150

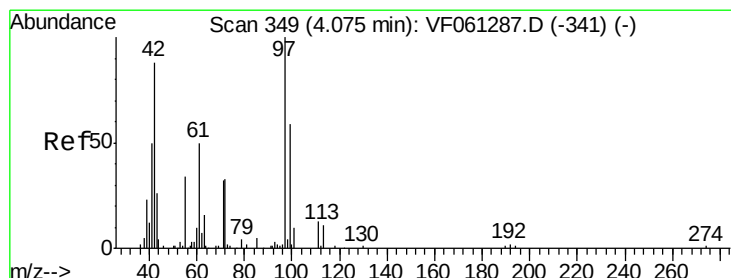
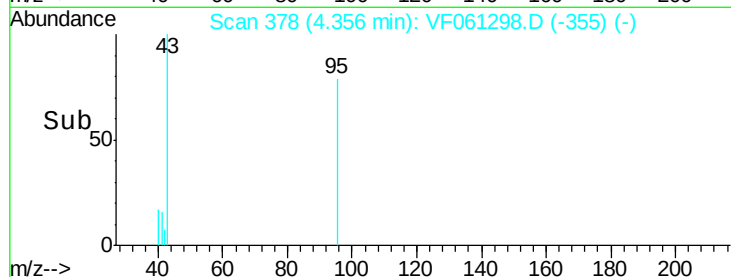
100

50

0

4.34 4.36 4.38 4.40

Time-->



#29

Tetrahydrofuran

Concen: 5.518 ug/l

RT: 4.09 min Scan# 351

Delta R.T. 0.01 min

Lab File: VF061298.D

Acq: 9 Jan 2019 13:48

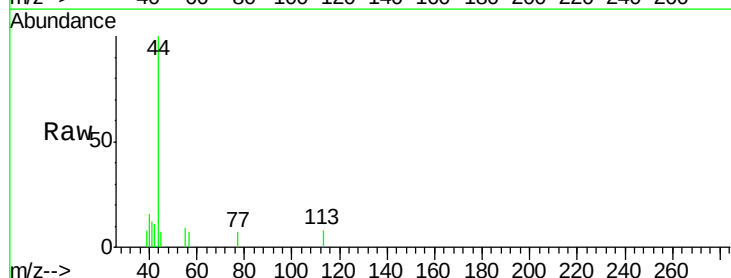
Tgt Ion: 42 Resp: 100

Ion Ratio Lower Upper

42 100

72 0.0 32.3 48.5#

71 0.0 29.5 44.3#



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

200

150

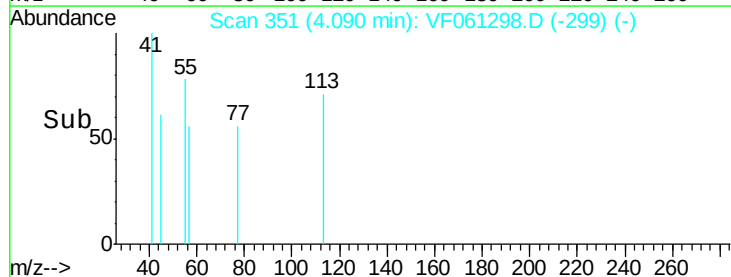
100

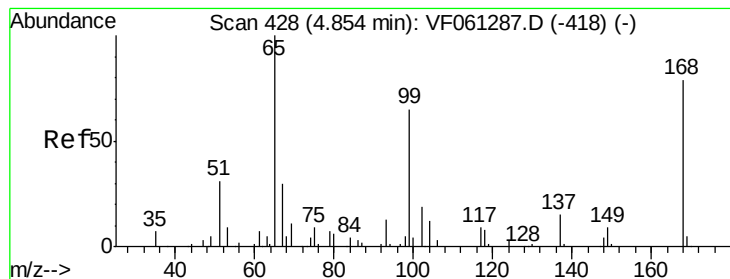
50

0

4.06 4.08 4.10

Time-->





#33

1,2-Dichloroethane-d4

Concen: 19.945 ug/l

RT: 4.88 min Scan# 431

Delta R.T. 0.02 min

Lab File: VF061298.D

Acq: 9 Jan 2019 13:48

Instrument :

MSVOA_F

ClientSampleId :

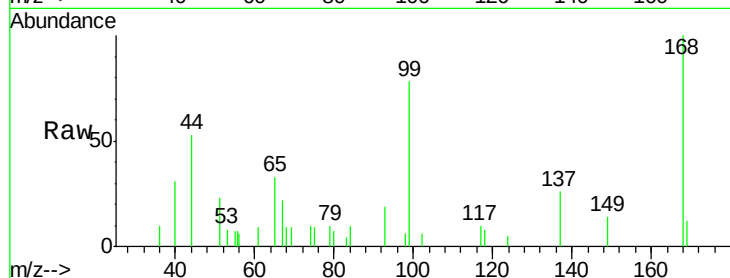
SP-1-1

Tot Ion: 65 Resp: 2309

Ion Ratio Lower Upper

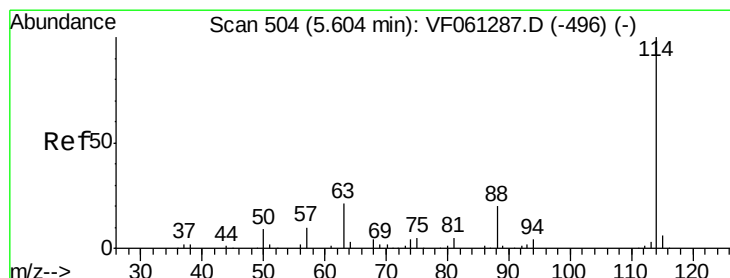
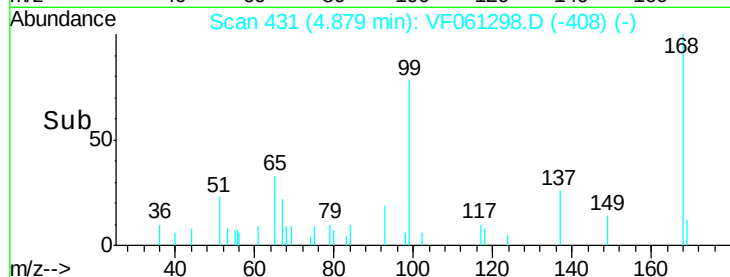
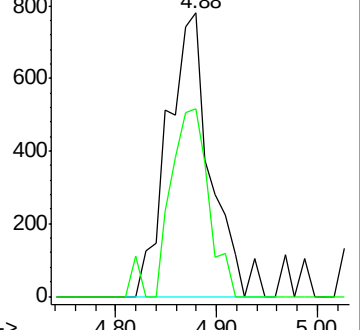
65 100

67 66.0 0.0 98.2



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.62 min Scan# 506

Delta R.T. 0.01 min

Lab File: VF061298.D

Acq: 9 Jan 2019 13:48

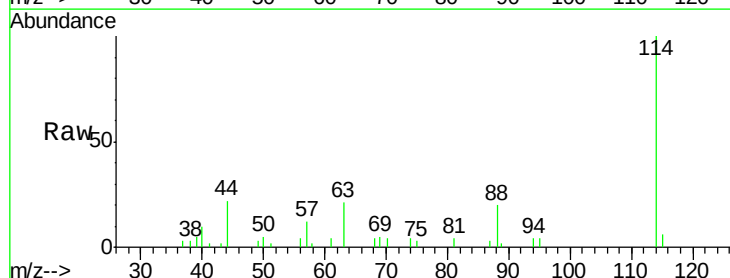
Tgt Ion: 114 Resp: 15525

Ion Ratio Lower Upper

114 100

63 20.6 0.0 42.8

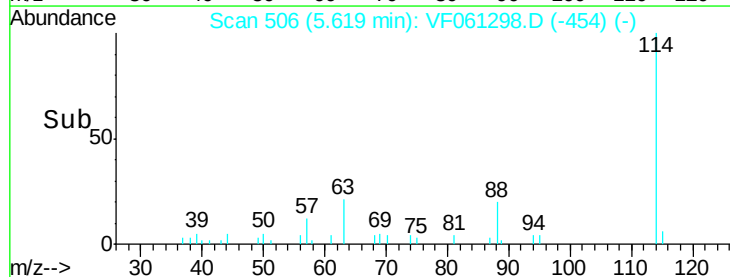
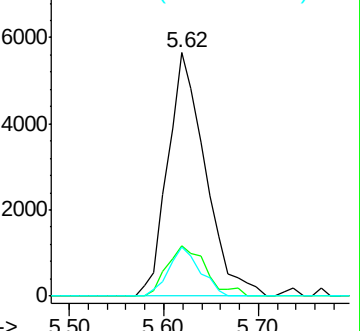
88 20.2 0.0 40.0

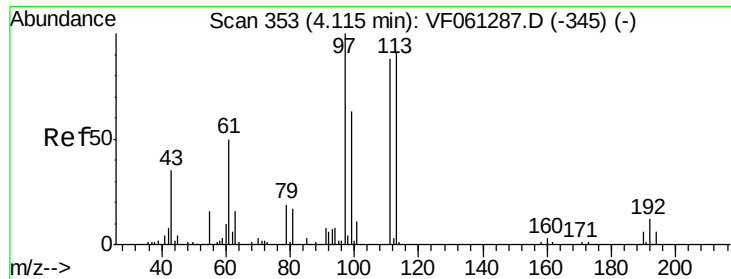


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 38.824 ug/l

RT: 4.14 min Scan# 356

Delta R.T. 0.02 min

Lab File: VF061298.D

Acq: 9 Jan 2019 13:48

Instrument :

MSVOA_F

ClientSampled :

SP-1-1

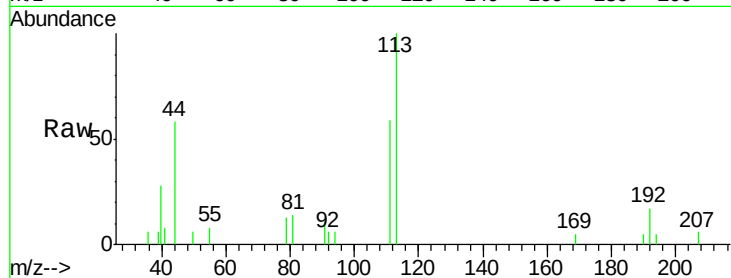
Tot Ion:113 Resp: 4612

Ion Ratio Lower Upper

113 100

111 58.7 78.0 117.0#

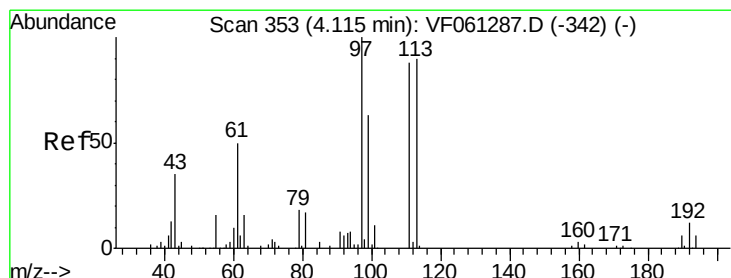
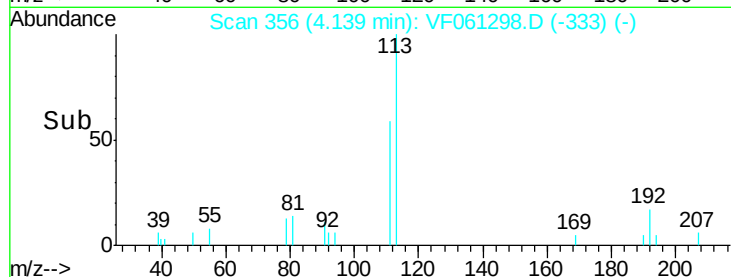
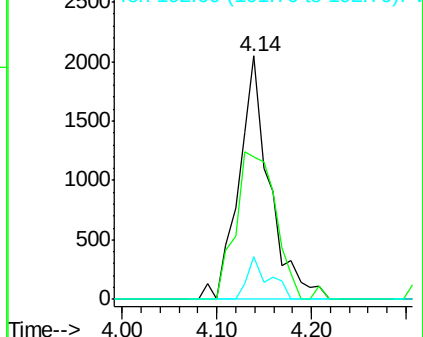
192 17.3 10.6 16.0#



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#37

Ethyl Acetate

Concen: 2.696 ug/l

RT: 4.15 min Scan# 357

Delta R.T. 0.03 min

Lab File: VF061298.D

Acq: 9 Jan 2019 13:48

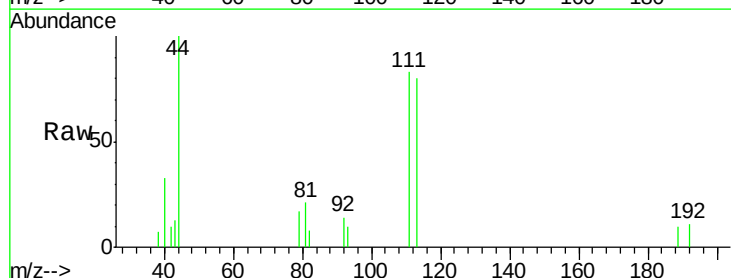
Tgt Ion: 43 Resp: 178

Ion Ratio Lower Upper

43 100

61 0.0 113.3 169.9#

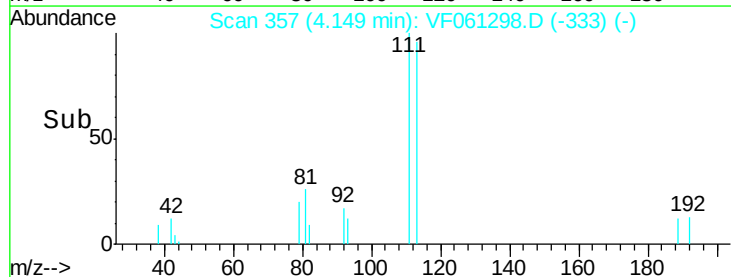
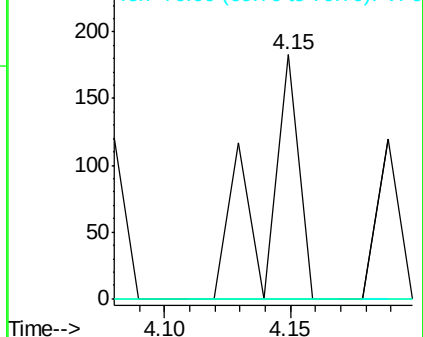
70 0.0 9.4 14.0#

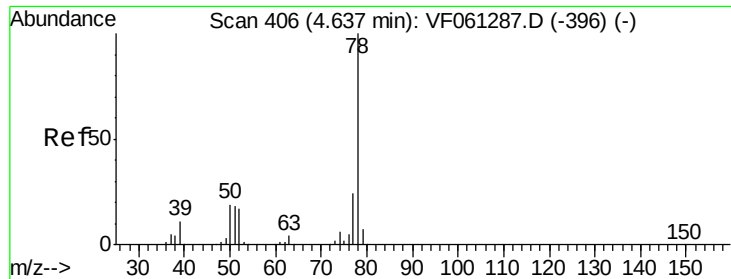


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0





#40

Benzene

Concen: 2.237 ug/l

RT: 4.65 min Scan# 408

Delta R.T. 0.01 min

Lab File: VF061298.D

Acq: 9 Jan 2019 13:48

Instrument :

MSVOA_F

ClientSampleId :

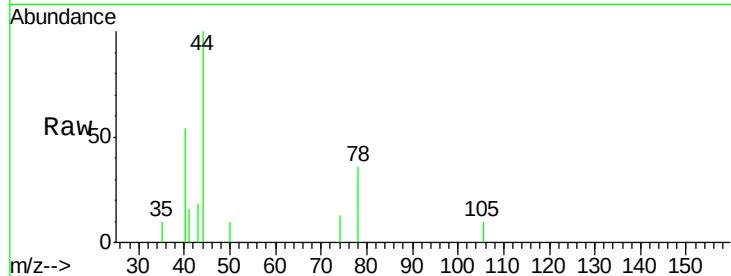
SP-1-1

Tot Ion: 78 Resp: 947

Ion Ratio Lower Upper

78 100

77 0.0 19.1 28.7#



Abundance Ion 78.10 (77.80 to 78.80): VF0

Ion 77.00 (76.70 to 77.70): VF0

4.65

400

300

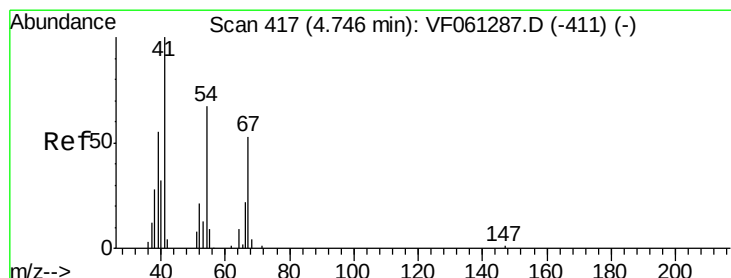
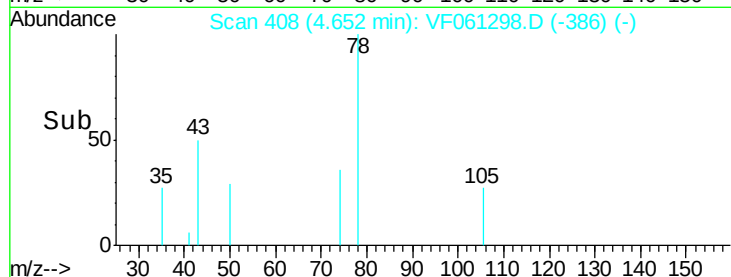
200

100

0

4.60 4.65 4.70

Time-->



#41

Methacrylonitrile

Concen: 3.282 ug/l

RT: 4.75 min Scan# 418

Delta R.T. 0.00 min

Lab File: VF061298.D

Acq: 9 Jan 2019 13:48

Tgt Ion: 41 Resp: 121

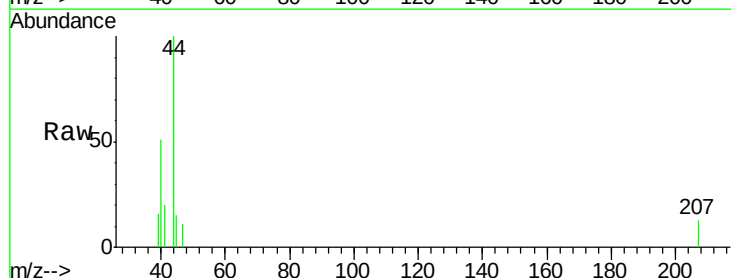
Ion Ratio Lower Upper

41 100

39 78.5 52.7 79.1

67 0.0 41.4 62.2#

52 0.0 33.0 49.4#



Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

4.75

300

250

200

150

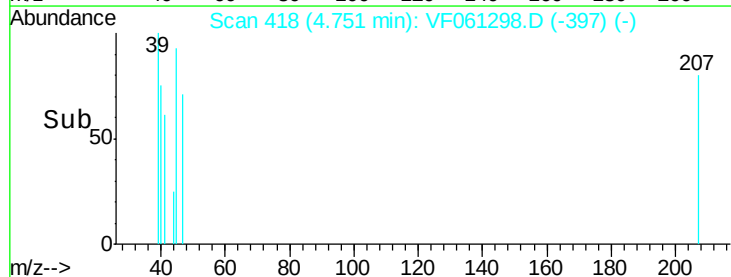
100

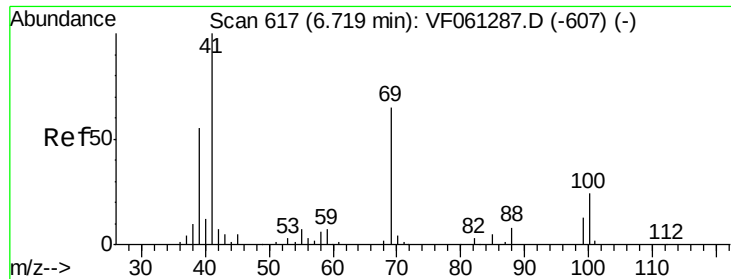
50

0

4.74 4.75 4.76

Time-->

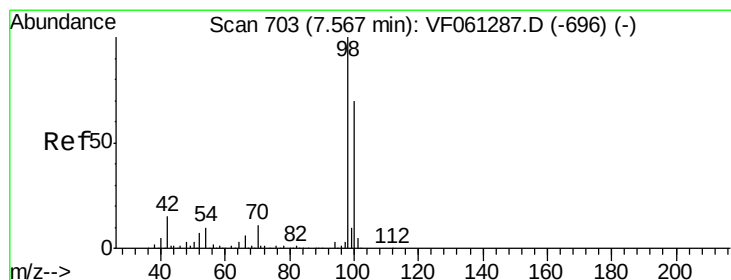
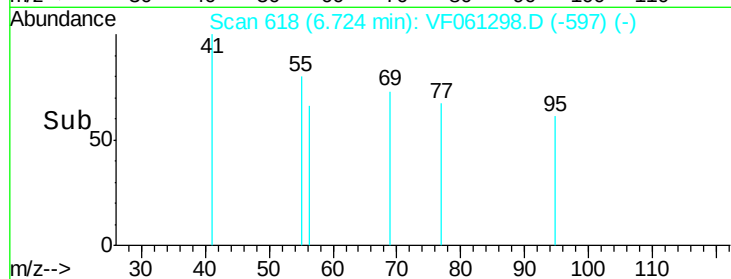
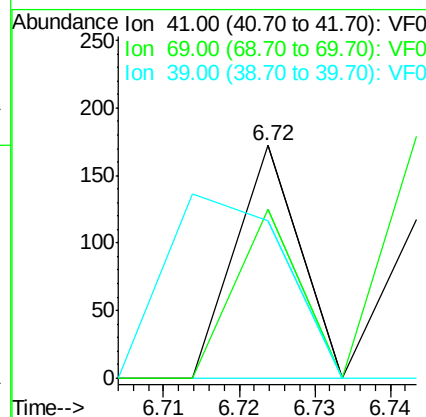
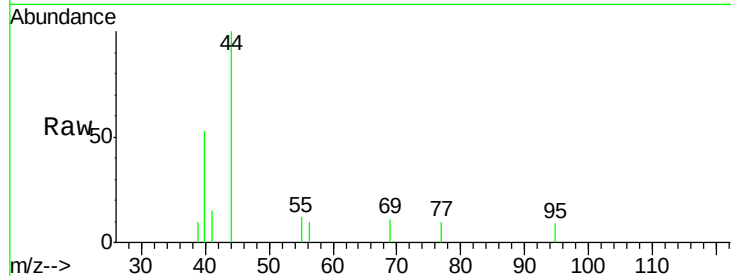




#48
Methyl methacrylate
Concen: 1.803 ug/l
RT: 6.72 min Scan# 618
Delta R.T. 0.00 min
Lab File: VF061298.D
Acq: 9 Jan 2019 13:48

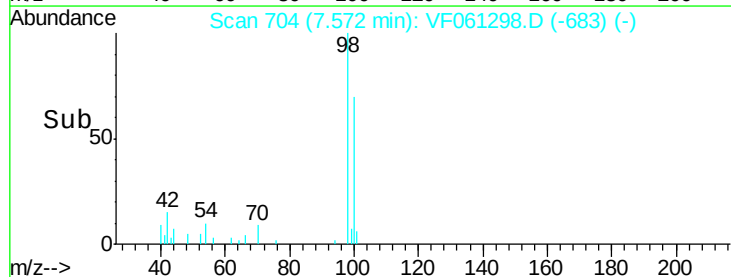
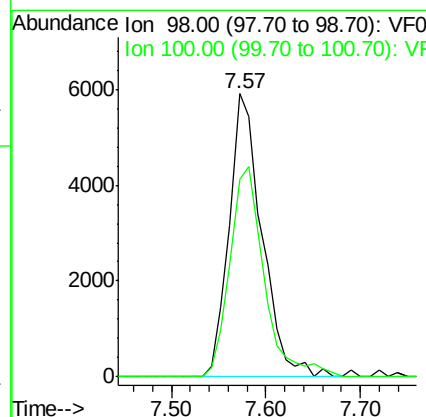
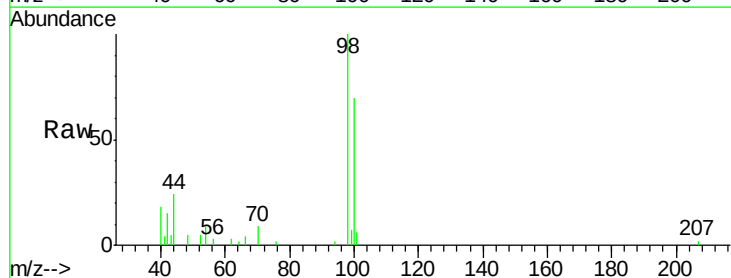
Instrument :
MSVOA_F
ClientSampled :
SP-1-1

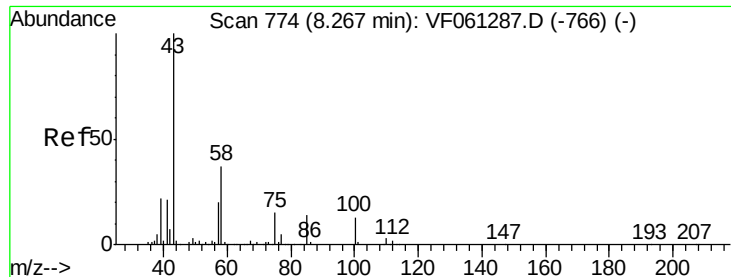
Tot Ion: 41 Resp: 102
Ion Ratio Lower Upper
41 100
69 72.7 51.5 77.3
39 67.4 44.1 66.1#



#50
Toluene-d8
Concen: 40.275 ug/l
RT: 7.57 min Scan# 704
Delta R.T. 0.00 min
Lab File: VF061298.D
Acq: 9 Jan 2019 13:48

Tgt Ion: 98 Resp: 14158
Ion Ratio Lower Upper
98 100
100 69.7 55.6 83.4





#51

4-Methyl-2-Pentanone

Concen: 7.661 ug/l

RT: 8.30 min Scan# 778

Delta R.T. 0.03 min

Lab File: VF061298.D

Acq: 9 Jan 2019 13:48

Instrument :

MSVOA_F

ClientSampleId :

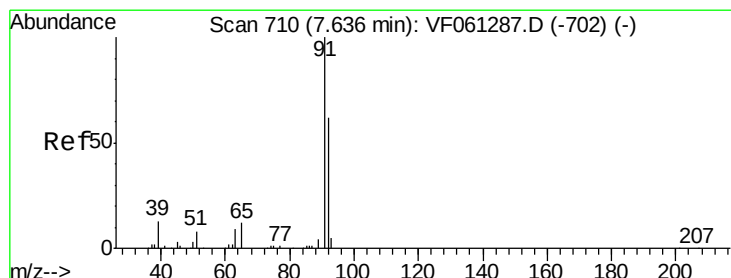
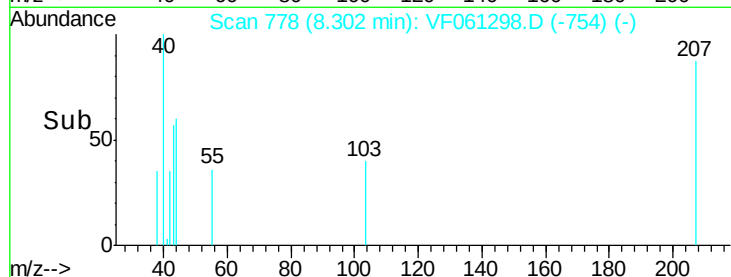
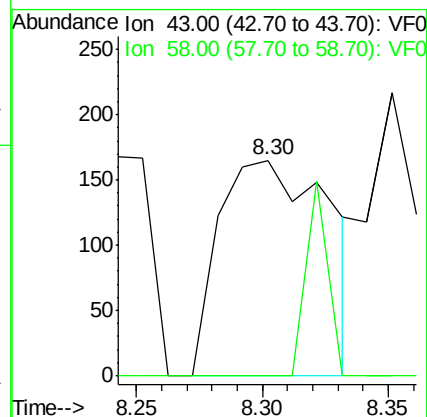
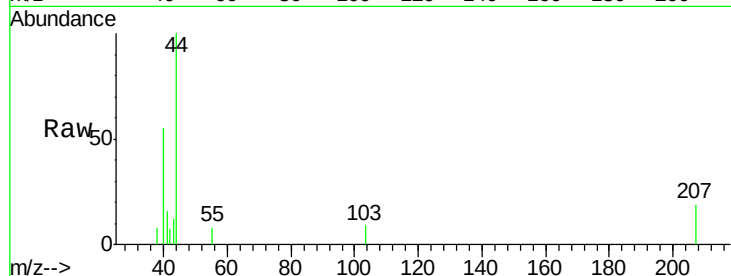
SP-1-1

Tot Ion: 43 Resp: 504

Ion Ratio Lower Upper

43 100

58 0.0 29.6 44.4#



#52

Toluene

Concen: 15.512 ug/l

RT: 7.65 min Scan# 712

Delta R.T. 0.01 min

Lab File: VF061298.D

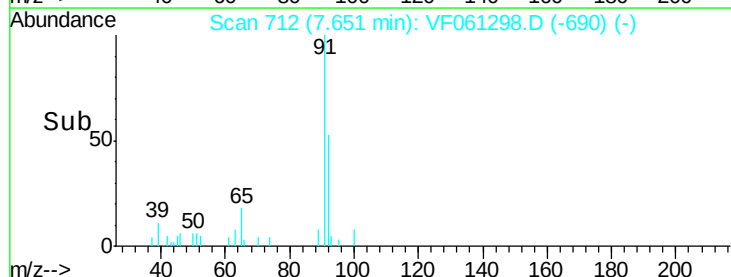
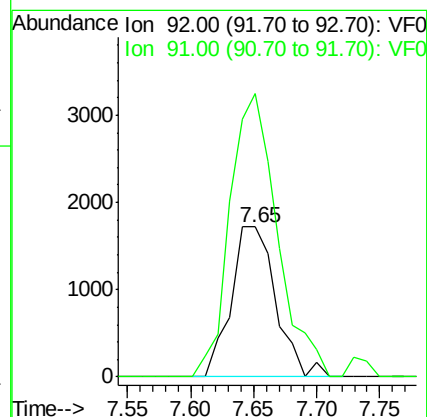
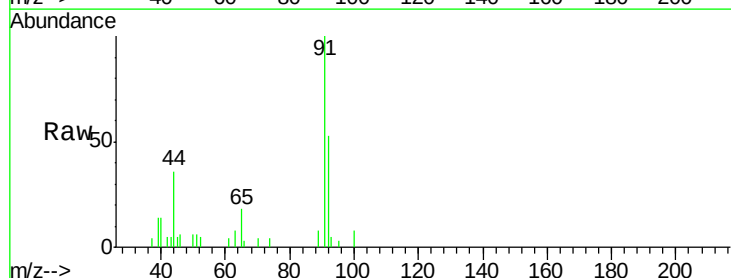
Acq: 9 Jan 2019 13:48

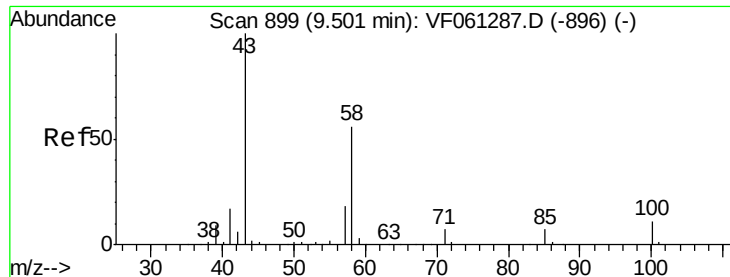
Tgt Ion: 92 Resp: 4220

Ion Ratio Lower Upper

92 100

91 188.7 129.2 193.8

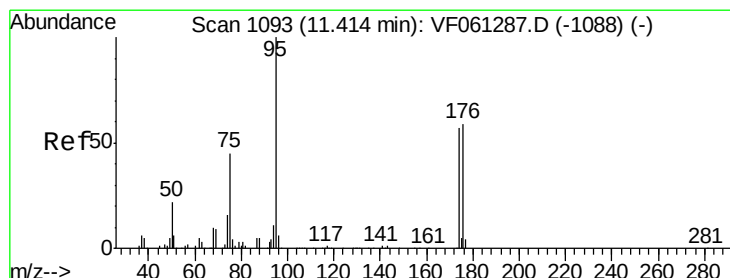
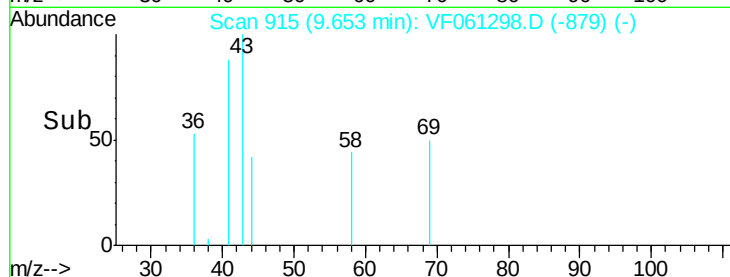
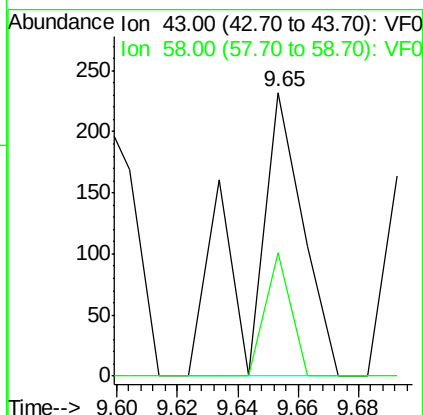
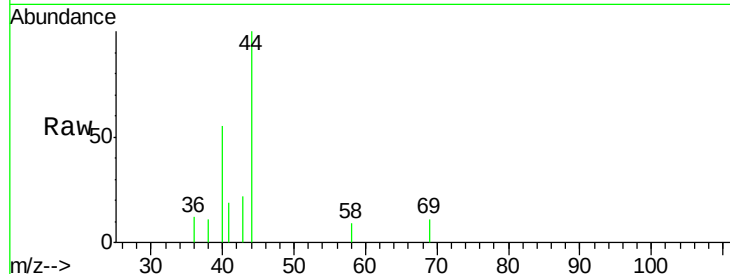




#59
2-Hexanone
Concen: 6.329 ug/l
RT: 9.65 min Scan# 915
Delta R.T. 0.15 min
Lab File: VF061298.D
Acq: 9 Jan 2019 13:48

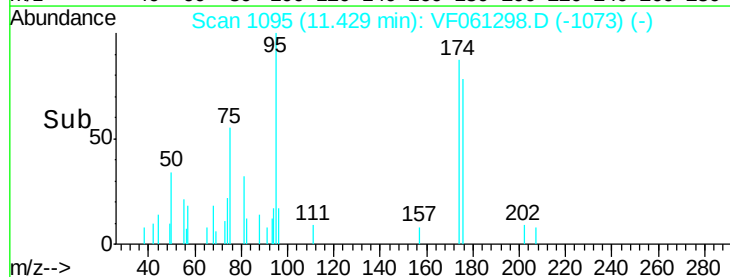
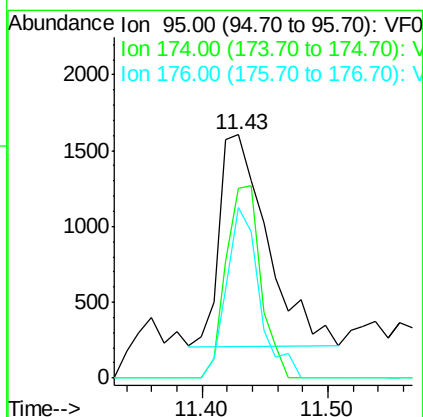
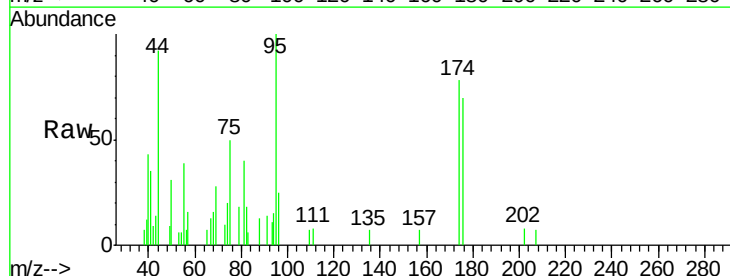
Instrument :
MSVOA_F
ClientSampled :
SP-1-1

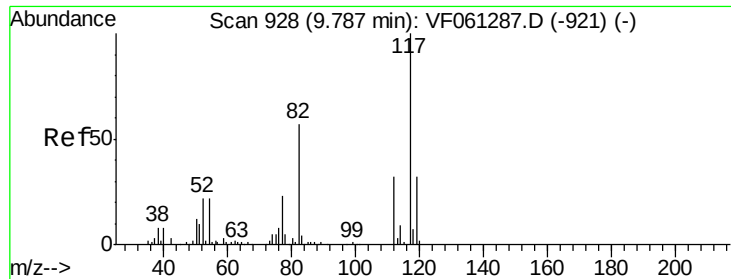
Tot Ion: 43 Resp: 295
Ion Ratio Lower Upper
43 100
58 43.5 25.6 76.8



#62
4-Bromofluorobenzene
Concen: 24.039 ug/l
RT: 11.43 min Scan# 1095
Delta R.T. 0.01 min
Lab File: VF061298.D
Acq: 9 Jan 2019 13:48

Tgt Ion: 95 Resp: 3690
Ion Ratio Lower Upper
95 100
174 78.0 0.0 114.2
176 70.1 0.0 117.8

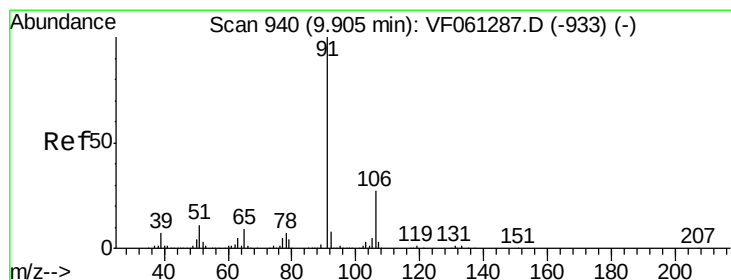
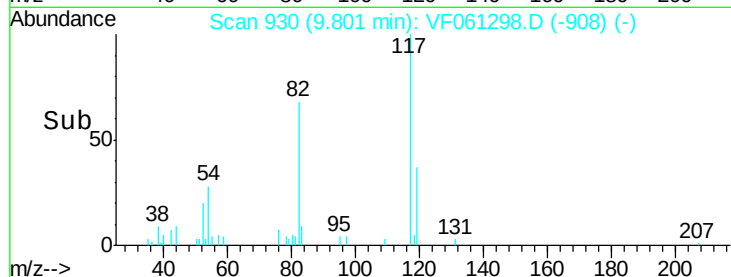
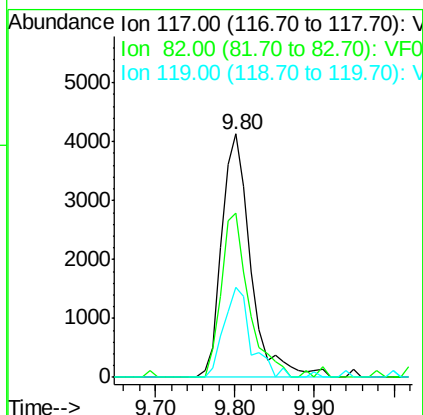
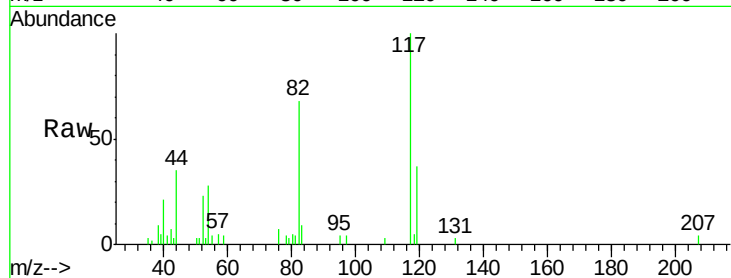




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.80 min Scan# 930
Delta R.T. 0.01 min
Lab File: VF061298.D
Acq: 9 Jan 2019 13:48

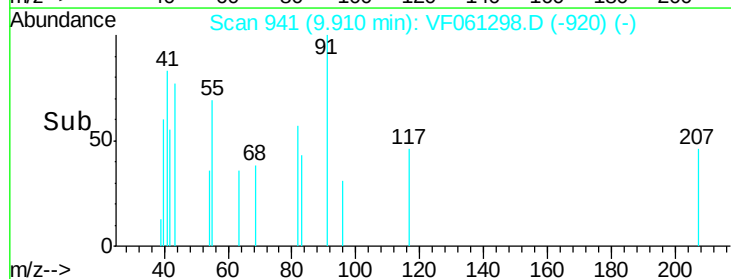
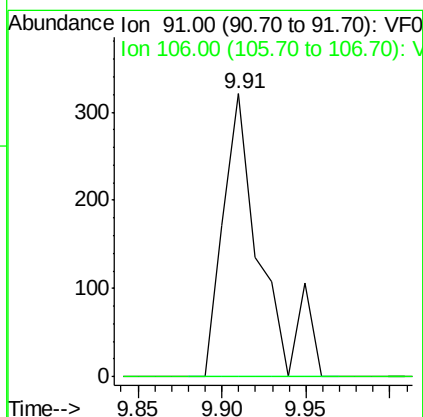
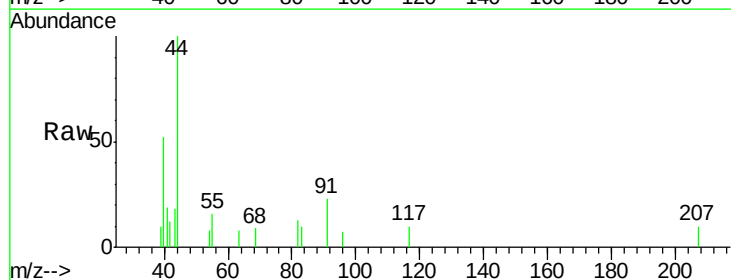
Instrument :
MSVOA_F
ClientSampled :
SP-1-1

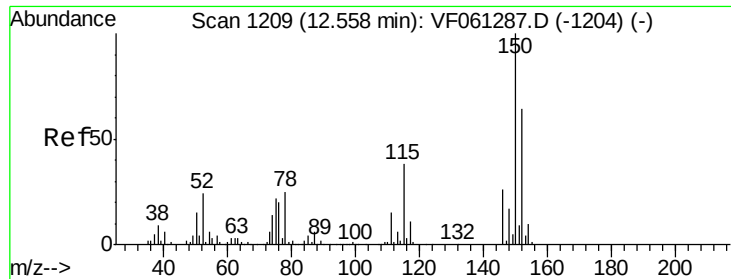
Tot Ion:117 Resp: 10660
Ion Ratio Lower Upper
117 100
82 67.6 45.3 67.9
119 37.1 25.4 38.0



#67
Ethyl Benzene
Concen: 1.197 ug/l
RT: 9.91 min Scan# 941
Delta R.T. 0.00 min
Lab File: VF061298.D
Acq: 9 Jan 2019 13:48

Tgt Ion: 91 Resp: 497
Ion Ratio Lower Upper
91 100
106 0.0 21.4 32.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.56 min Scan# 1210

Delta R.T. 0.00 min

Lab File: VF061298.D

Acq: 9 Jan 2019 13:48

Instrument :

MSVOA_F

ClientSampleId :

SP-1-1

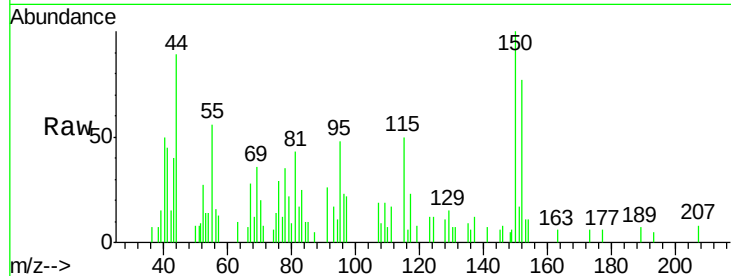
Tot Ion:152 Resp: 2932

Ion Ratio Lower Upper

152 100

115 65.2 29.6 88.9

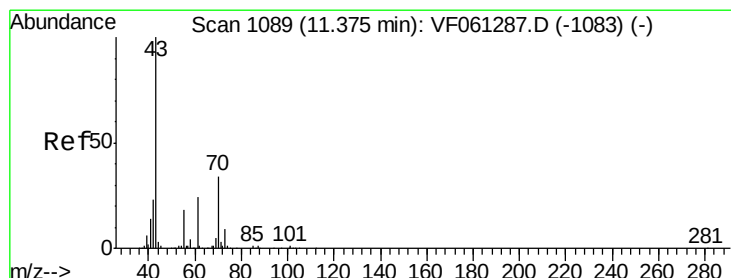
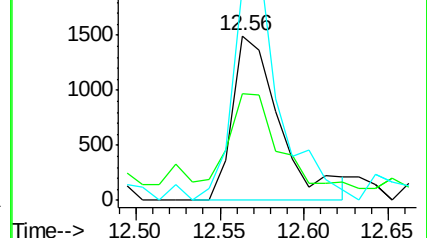
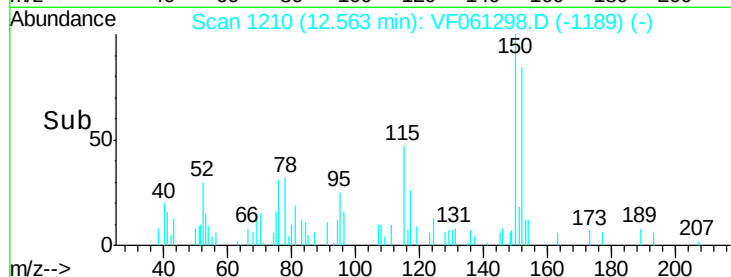
150 130.4 0.0 315.4



Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V



#74

N-amil acetate

Concen: 15.857 ug/l

RT: 11.33 min Scan# 1085

Delta R.T. -0.04 min

Lab File: VF061298.D

Acq: 9 Jan 2019 13:48

Tgt Ion: 43 Resp: 930

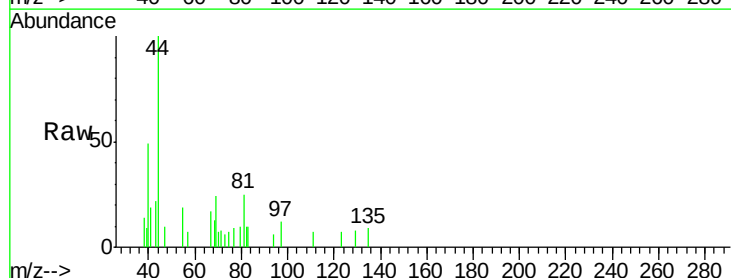
Ion Ratio Lower Upper

43 100

70 30.2 27.4 41.0

55 88.3 14.7 22.1#

61 0.0 19.0 28.4#

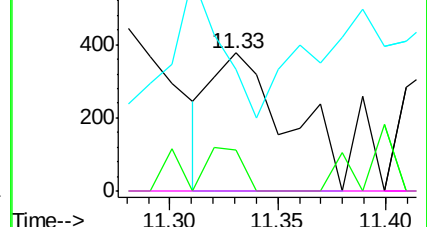
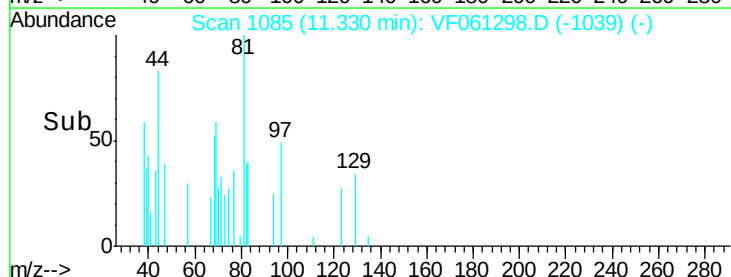


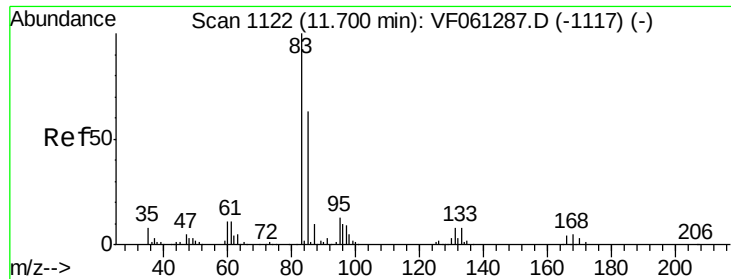
Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 7.774 ug/l

RT: 11.68 min Scan# 1120

Delta R.T. -0.02 min

Lab File: VF061298.D

Acq: 9 Jan 2019 13:48

Instrument :

MSVOA_F

ClientSampleId :

SP-1-1

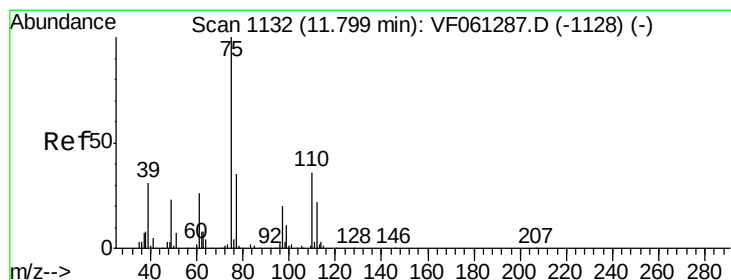
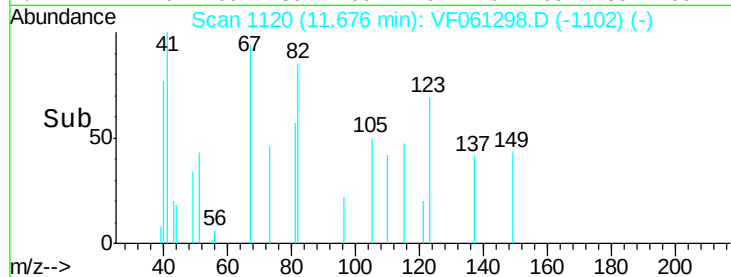
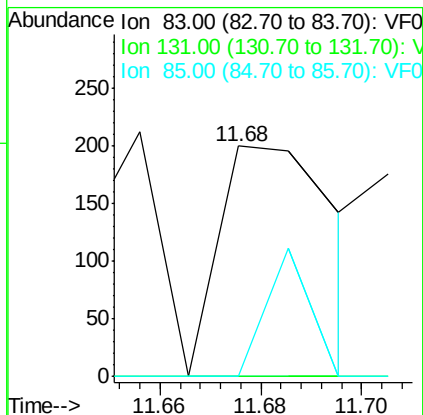
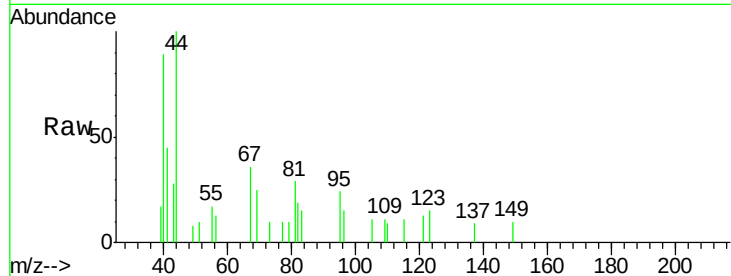
Tot Ion: 83 Resp: 318

Ion Ratio Lower Upper

83 100

131 0.0 3.9 11.7#

85 0.0 31.6 94.7#



#76

1,2,3-Trichloropropane

Concen: 2.000 ug/l

RT: 11.70 min Scan# 1122

Delta R.T. -0.10 min

Lab File: VF061298.D

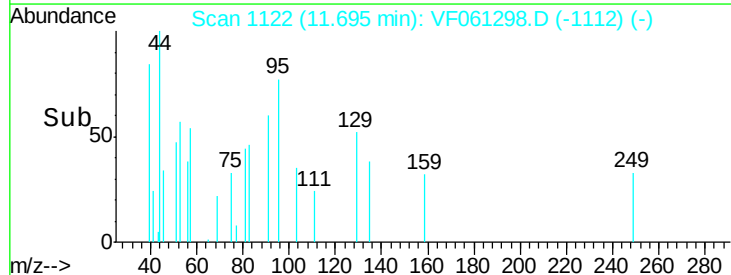
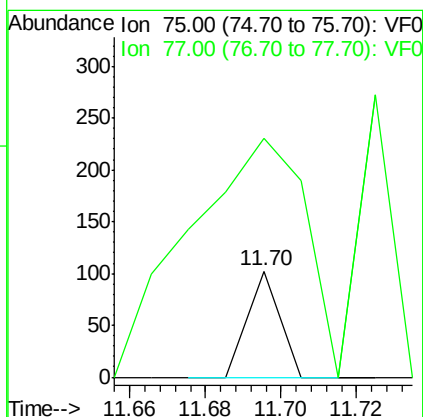
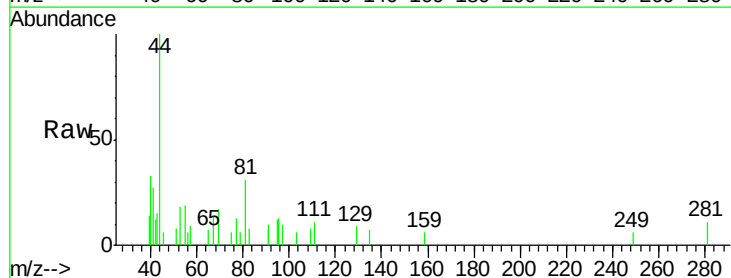
Acq: 9 Jan 2019 13:48

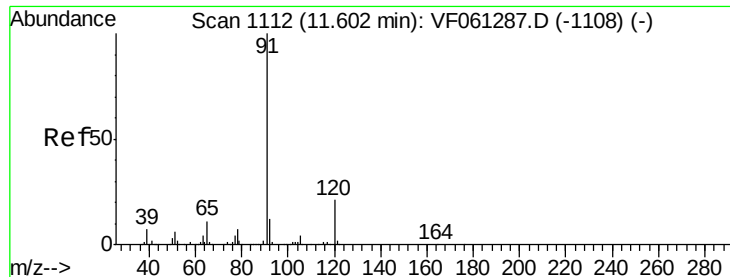
Tgt Ion: 75 Resp: 60

Ion Ratio Lower Upper

75 100

77 226.5 17.5 52.5#





#78

n-propylbenzene

Concen: 4.187 ug/l

RT: 11.63 min Scan# 1115

Delta R.T. 0.02 min

Lab File: VF061298.D

Acq: 9 Jan 2019 13:48

Instrument :

MSVOA_F

ClientSampled :

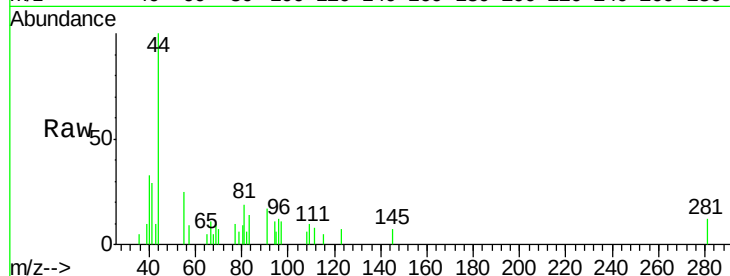
SP-1-1

Tot Ion: 91 Resp: 1288

Ion Ratio Lower Upper

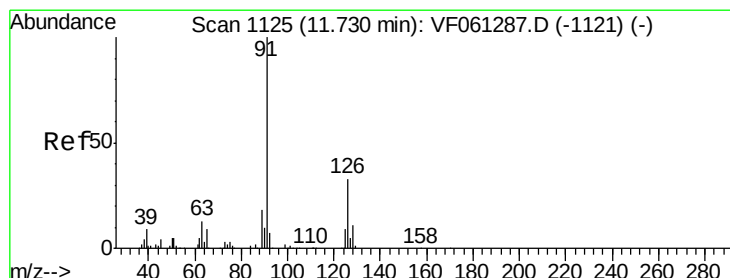
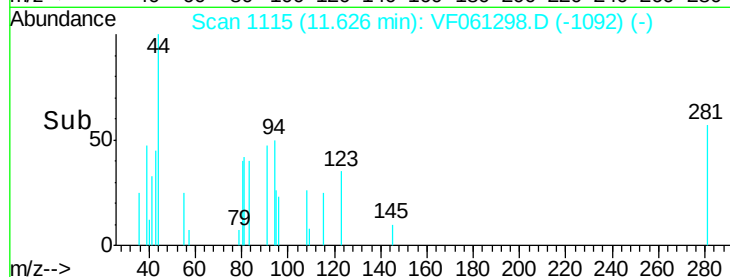
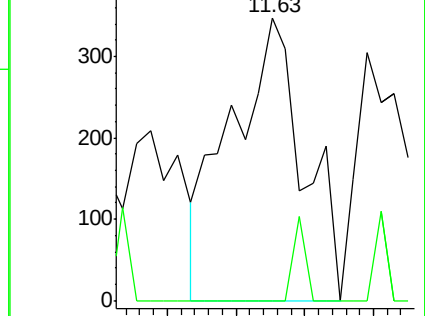
91 100

120 0.0 10.7 32.1#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 5.706 ug/l

RT: 11.70 min Scan# 1122

Delta R.T. -0.03 min

Lab File: VF061298.D

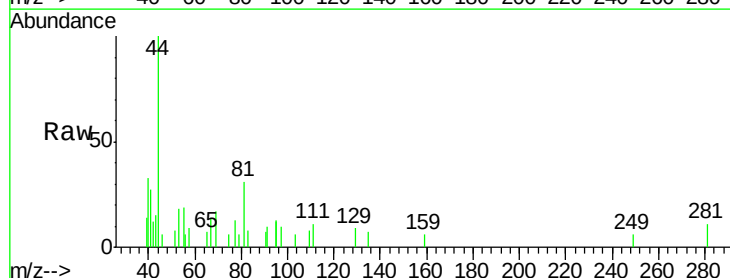
Acq: 9 Jan 2019 13:48

Tgt Ion: 91 Resp: 978

Ion Ratio Lower Upper

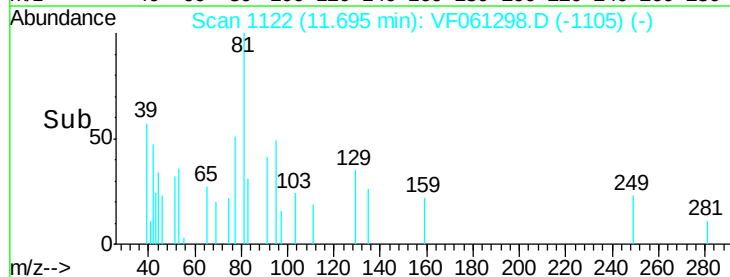
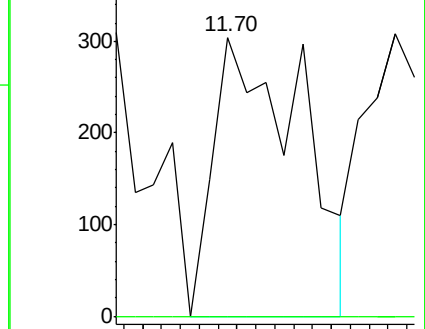
91 100

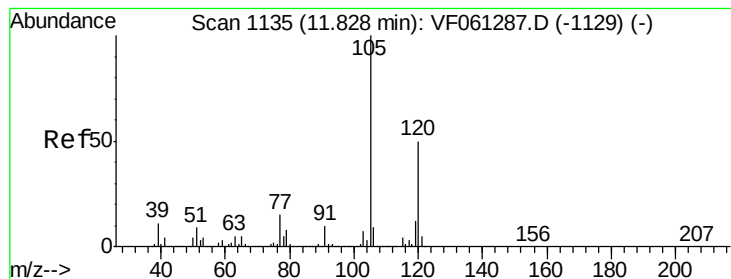
126 0.0 16.6 49.8#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V





#80

1,3,5-Trimethylbenzene

Concen: 1.944 ug/l

RT: 11.83 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VF061298.D

Acq: 9 Jan 2019 13:48

Instrument :

MSVOA_F

ClientSampled :

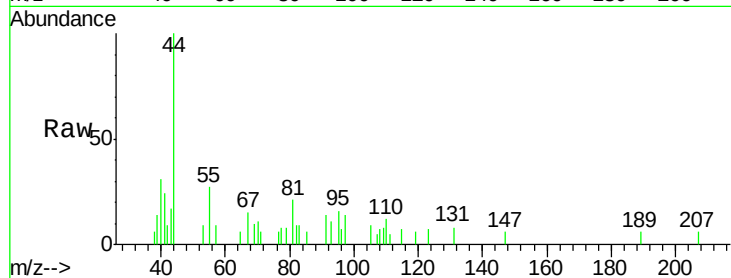
SP-1-1

Tot Ion:105 Resp: 399

Ion Ratio Lower Upper

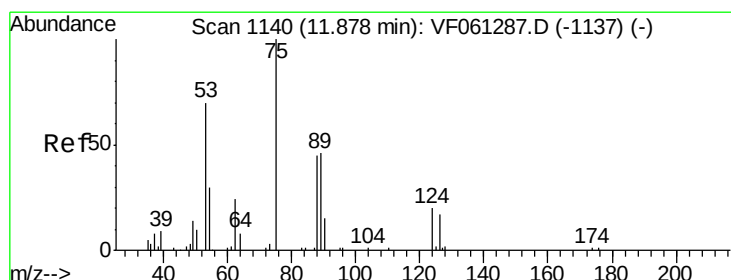
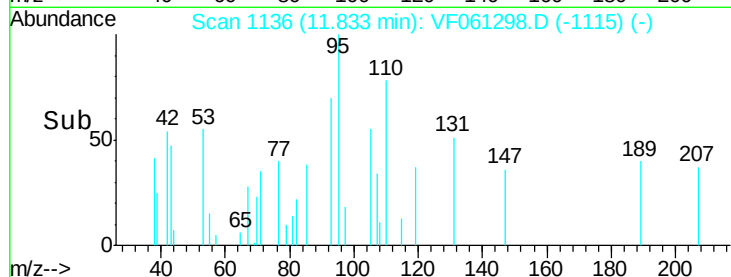
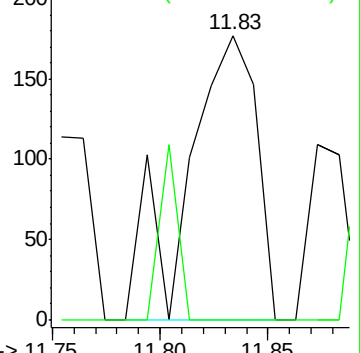
105 100

120 0.0 25.2 75.6#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 4.729 ug/l

RT: 11.99 min Scan# 1152

Delta R.T. 0.11 min

Lab File: VF061298.D

Acq: 9 Jan 2019 13:48

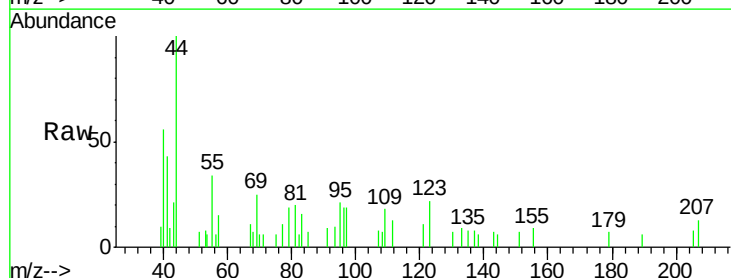
Tgt Ion: 75 Resp: 62

Ion Ratio Lower Upper

75 100

53 235.6 62.2 93.2#

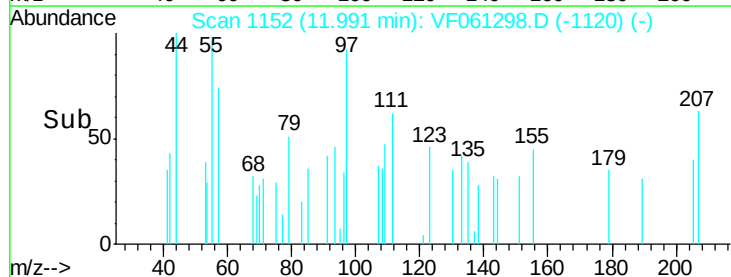
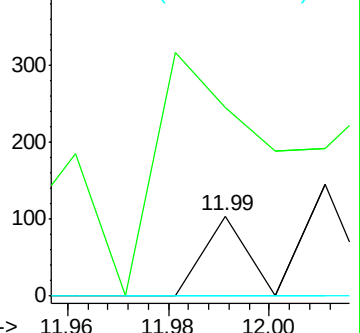
89 0.0 40.2 60.4#

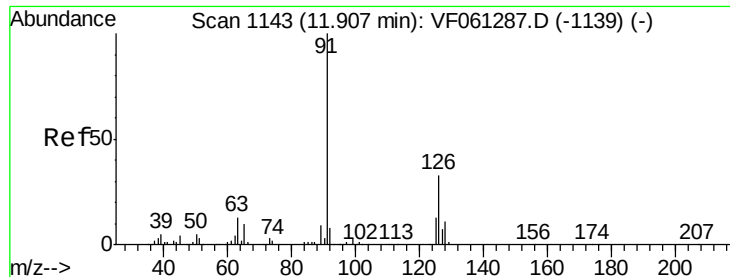


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0

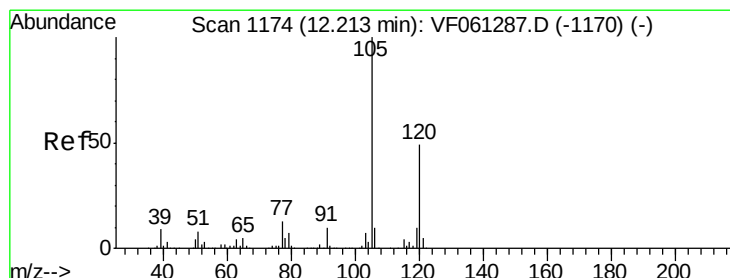
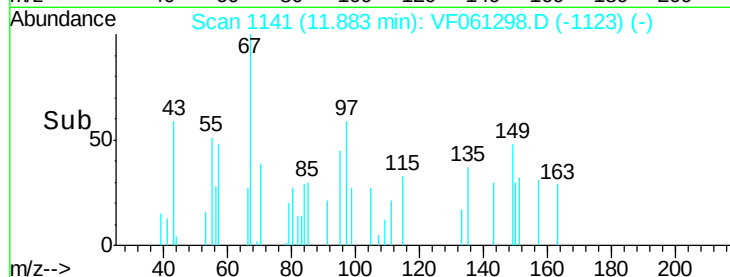
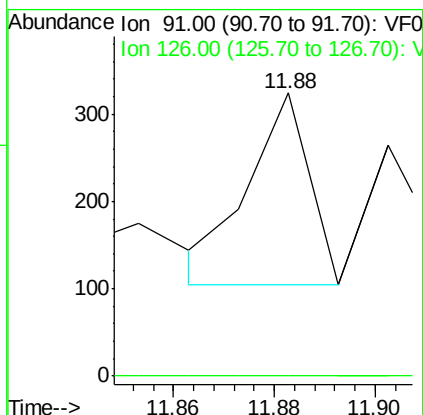
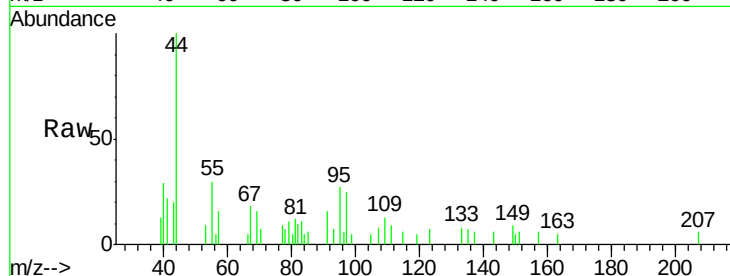




#82
4-Chlorotoluene
Concen: 1.034 ug/l
RT: 11.88 min Scan# 1141
Delta R.T. -0.02 min
Lab File: VF061298.D
Acq: 9 Jan 2019 13:48

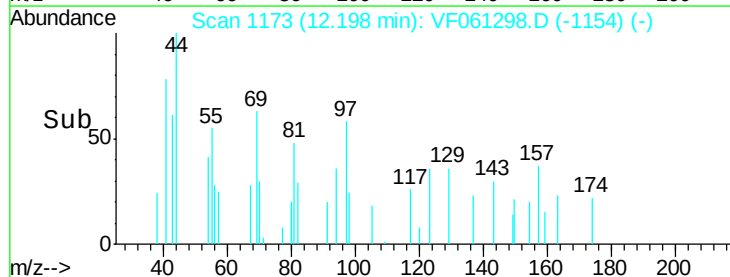
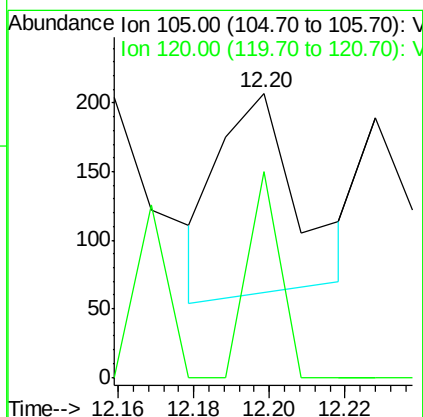
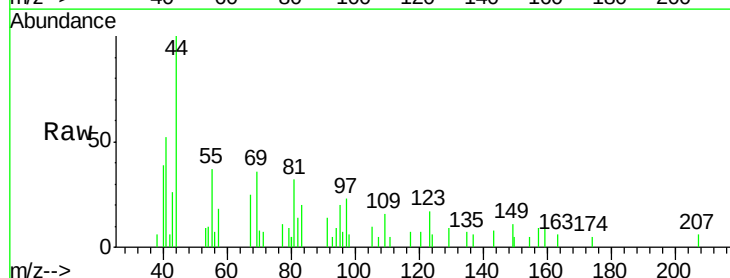
Instrument :
MSVOA_F
ClientSampled :
SP-1-1

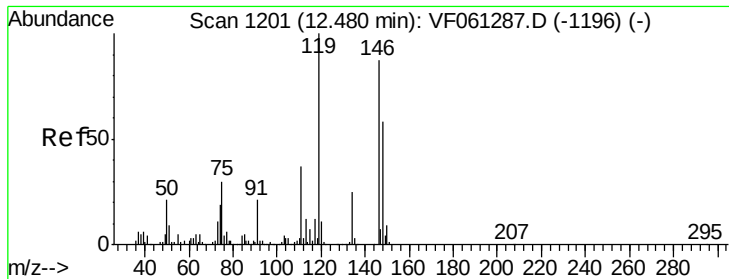
Tot Ion: 91 Resp: 180
Ion Ratio Lower Upper
91 100
126 0.0 16.4 49.4#



#84
1,2,4-Trimethylbenzene
Concen: 1.025 ug/l
RT: 12.20 min Scan# 1173
Delta R.T. -0.01 min
Lab File: VF061298.D
Acq: 9 Jan 2019 13:48

Tgt Ion: 105 Resp: 209
Ion Ratio Lower Upper
105 100
120 72.5 24.7 74.1

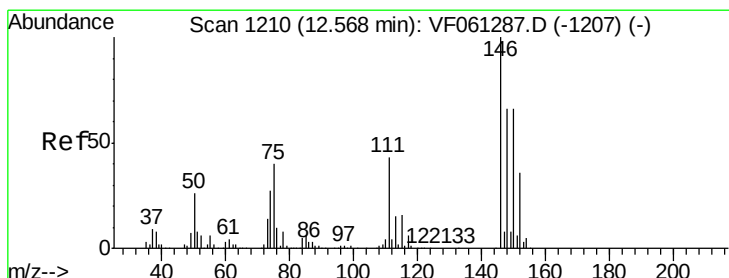
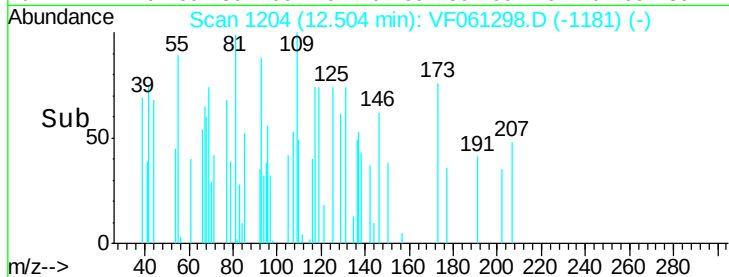
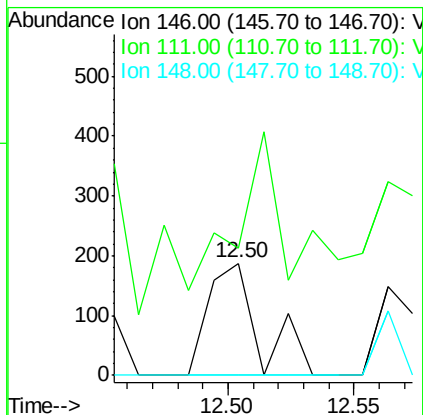
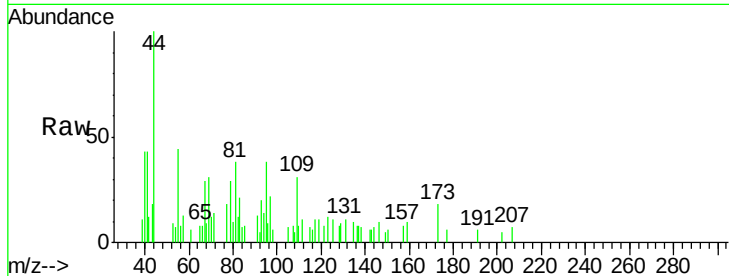




#87
 1,3-Dichlorobenzene
 Concen: 2.664 ug/l
 RT: 12.50 min Scan# 1204
 Delta R.T. 0.02 min
 Lab File: VF061298.D
 Acq: 9 Jan 2019 13:48

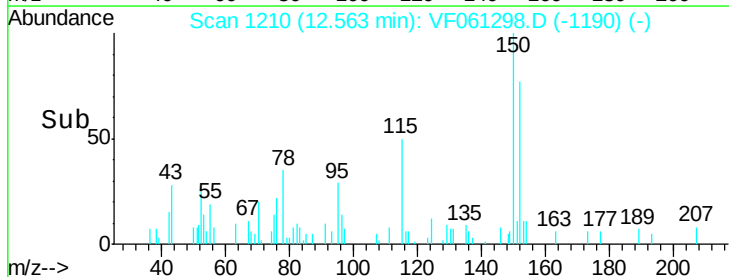
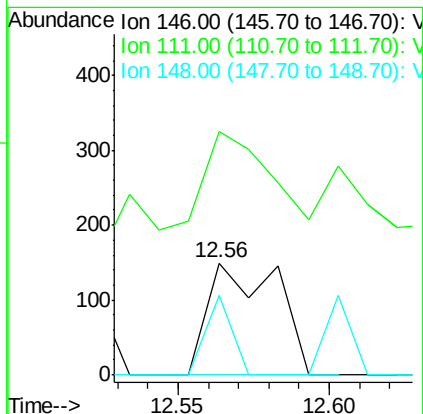
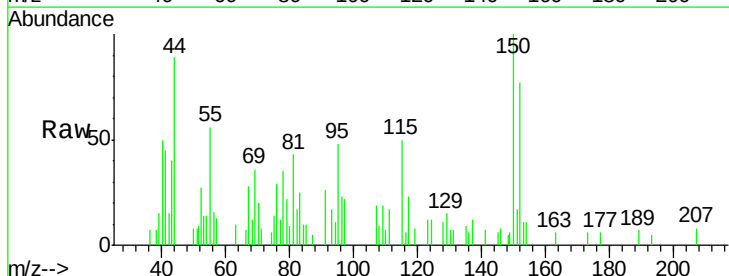
Instrument :
 MSVOA_F
 ClientSampled :
 SP-1-1

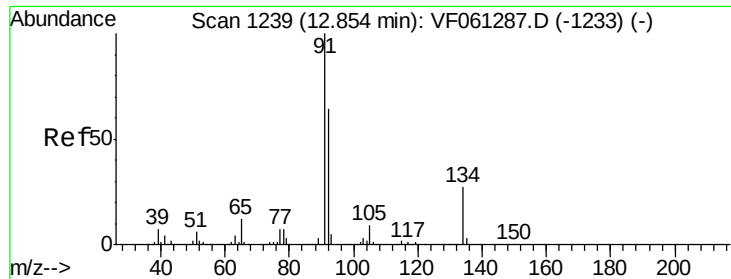
Tot Ion:146 Resp: 267
 Ion Ratio Lower Upper
 146 100
 111 113.3 21.1 63.3#
 148 0.0 33.1 99.5#



#88
 1,4-Dichlorobenzene
 Concen: 2.439 ug/l
 RT: 12.56 min Scan# 1210
 Delta R.T. -0.00 min
 Lab File: VF061298.D
 Acq: 9 Jan 2019 13:48

Tgt Ion:146 Resp: 235
 Ion Ratio Lower Upper
 146 100
 111 218.1 21.4 64.2#
 148 71.8 33.0 98.9





#89

n-Butylbenzene

Concen: 3.747 ug/l

RT: 12.85 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VF061298.D

Acq: 9 Jan 2019 13:48

Instrument :

MSVOA_F

ClientSampleID :

SP-1-1

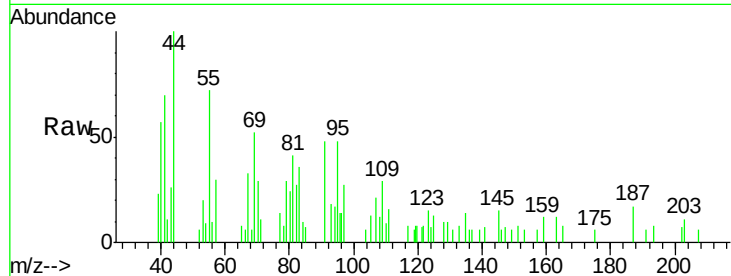
Tot Ion: 91 Resp: 912

Ion Ratio Lower Upper

91 100

92 0.0 32.1 96.3#

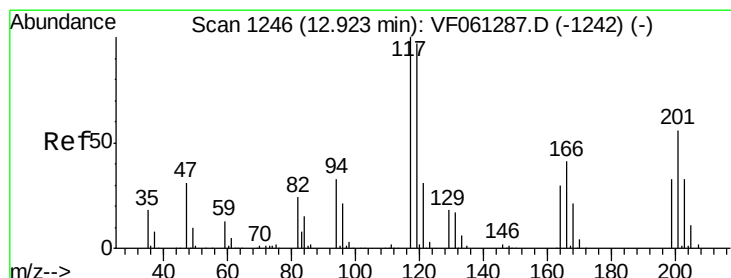
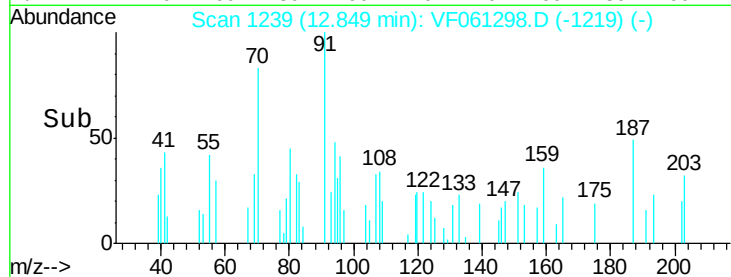
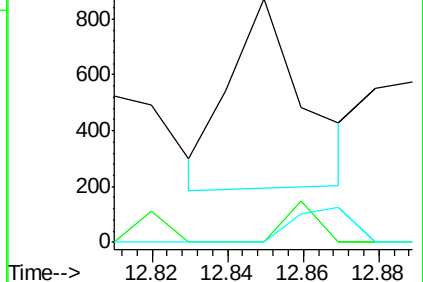
134 0.0 13.4 40.1#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 4.780 ug/l

RT: 12.90 min Scan# 1244

Delta R.T. -0.02 min

Lab File: VF061298.D

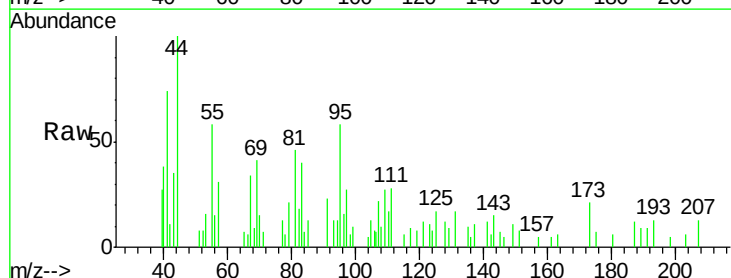
Acq: 9 Jan 2019 13:48

Tgt Ion: 117 Resp: 259

Ion Ratio Lower Upper

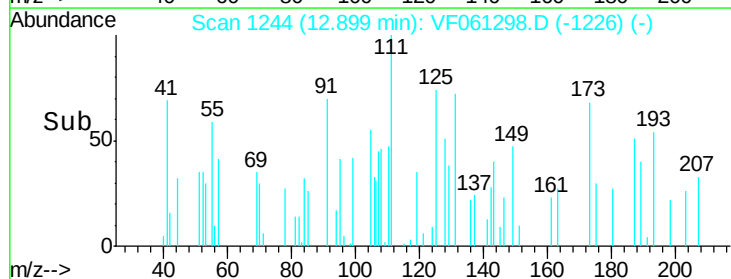
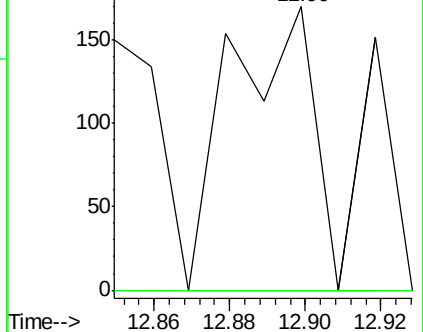
117 100

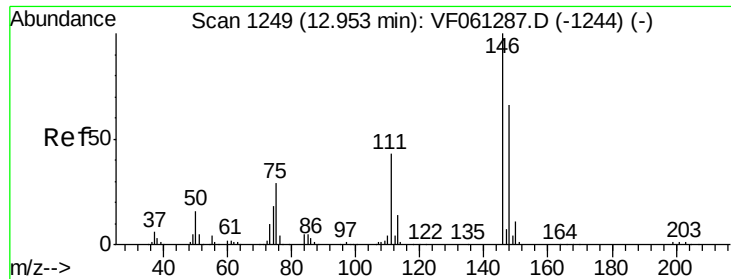
201 0.0 27.9 83.7#



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V

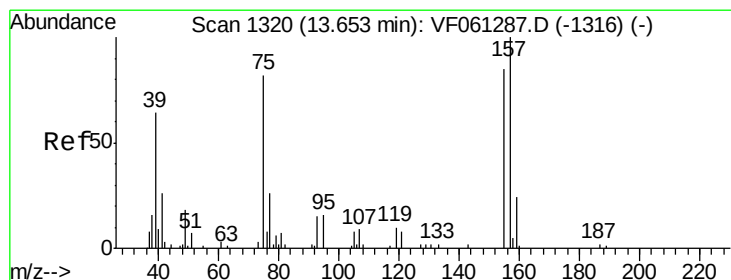
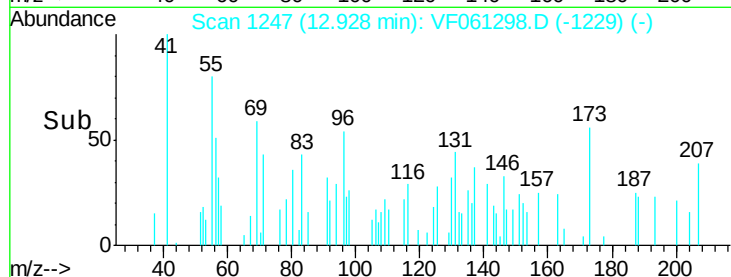
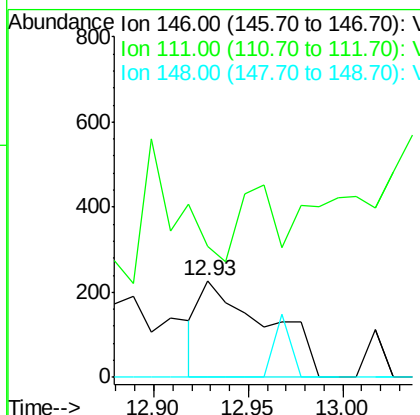
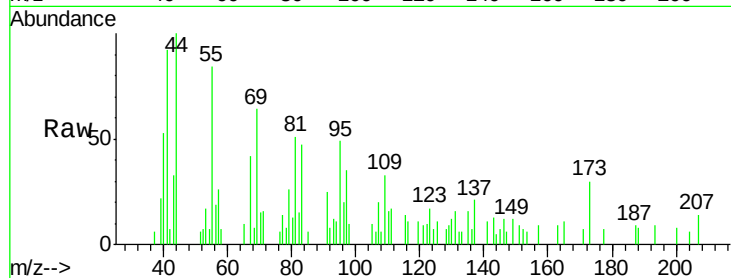




#91
 1,2-Dichlorobenzene
 Concen: 5.780 ug/l
 RT: 12.93 min Scan# 1247
 Delta R.T. -0.02 min
 Lab File: VF061298.D
 Acq: 9 Jan 2019 13:48

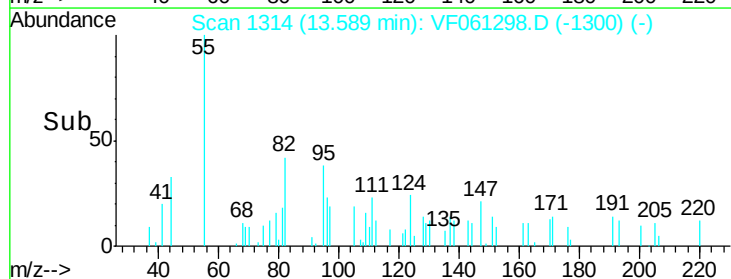
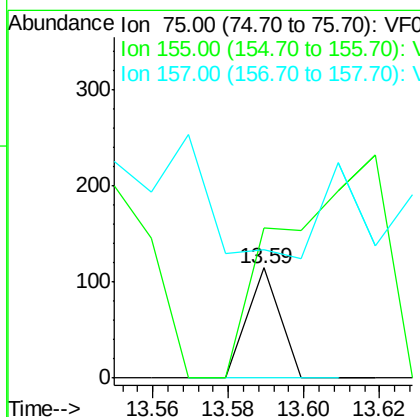
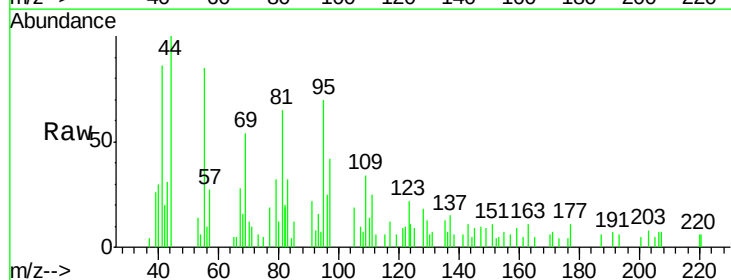
Instrument :
 MSVOA_F
 ClientSampled :
 SP-1-1

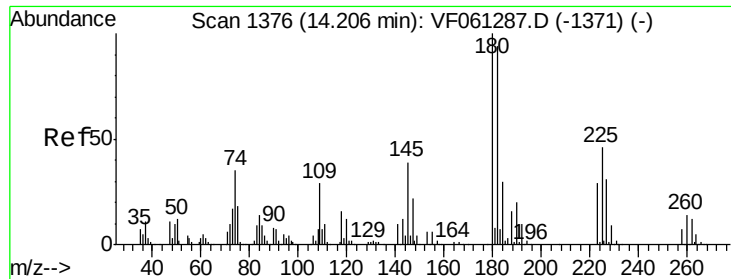
Tot Ion:146 Resp: 553
 Ion Ratio Lower Upper
 146 100
 111 135.2 21.4 64.3#
 148 0.0 33.1 99.2#



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 9.694 ug/l
 RT: 13.59 min Scan# 1314
 Delta R.T. -0.06 min
 Lab File: VF061298.D
 Acq: 9 Jan 2019 13:48

Tgt Ion: 75 Resp: 67
 Ion Ratio Lower Upper
 75 100
 155 136.8 51.3 154.0
 157 116.7 60.7 182.0

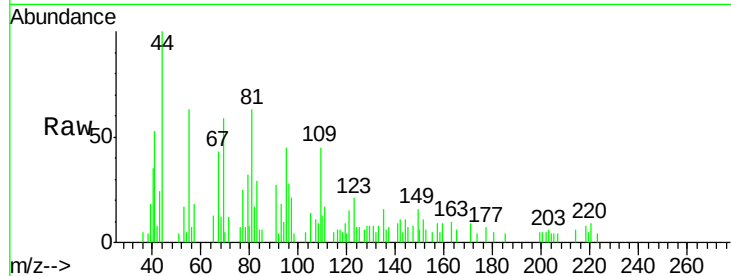




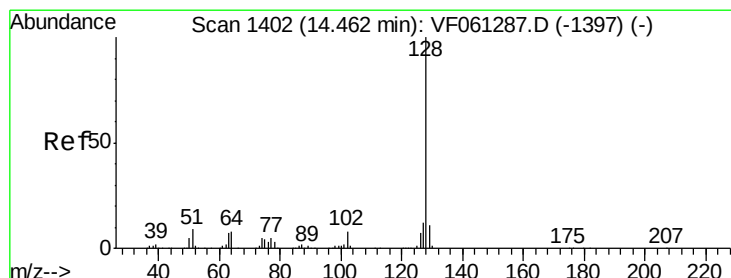
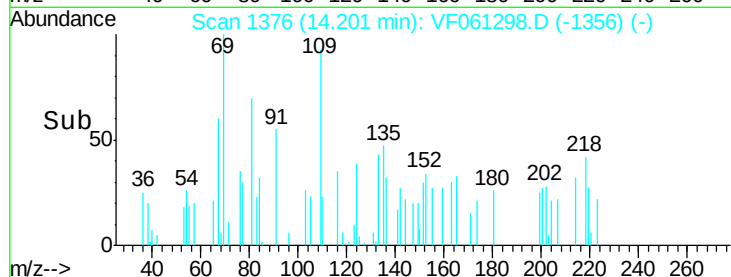
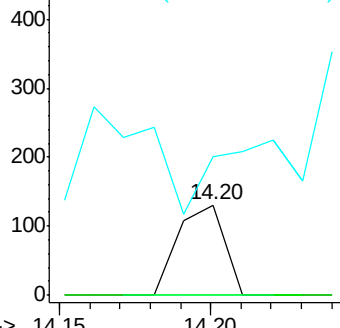
#93
 1,2,4-Trichlorobenzene
 Concen: 2.142 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. -0.00 min
 Lab File: VF061298.D
 Acq: 9 Jan 2019 13:48

Instrument :
 MSVOA_F
 ClientSampled :
 SP-1-1

Tot Ion:180 Resp: 141
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.0 141.2#
 145 153.4 19.7 59.1#

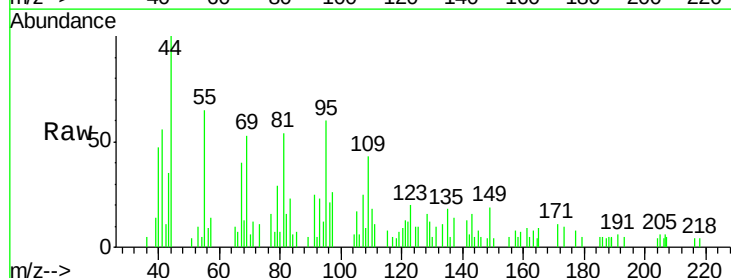


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

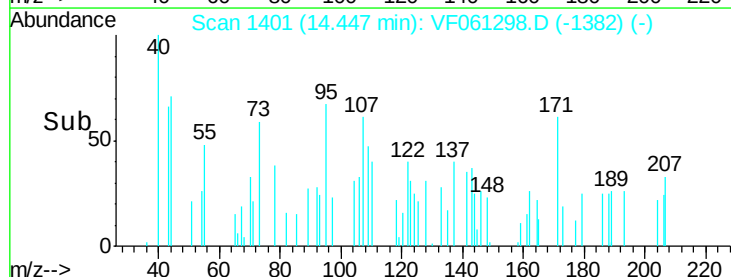
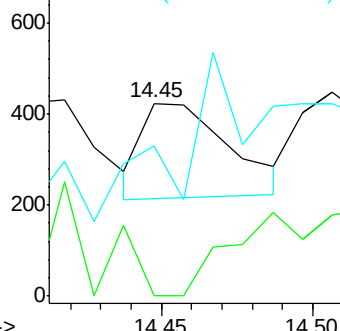


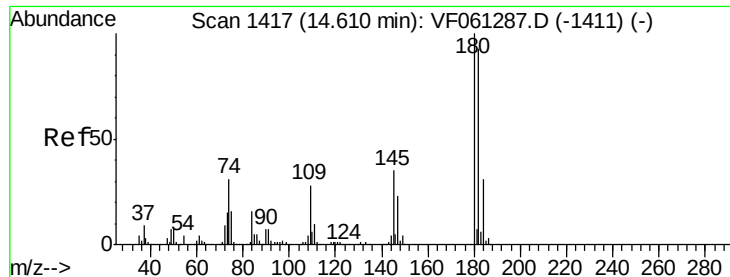
#95
 Naphthalene
 Concen: 3.337 ug/l
 RT: 14.45 min Scan# 1401
 Delta R.T. -0.01 min
 Lab File: VF061298.D
 Acq: 9 Jan 2019 13:48

Tgt Ion:128 Resp: 414
 Ion Ratio Lower Upper
 128 100
 127 0.0 9.4 14.0#
 129 77.6 8.8 13.2#



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

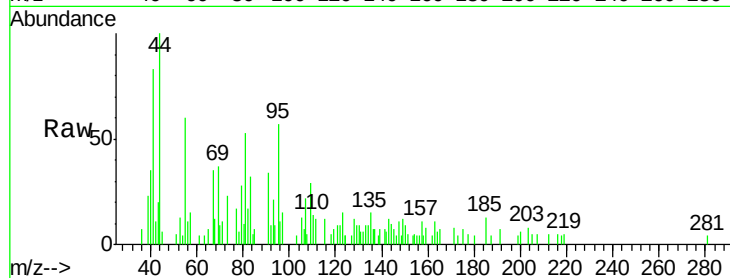




#96
 1,2,3-Trichlorobenzene
 Concen: 1.032 ug/l
 RT: 14.63 min Scan# 1420
 Delta R.T. 0.02 min
 Lab File: VF061298.D
 Acq: 9 Jan 2019 13:48

Instrument :
 MSVOA_F
 ClientSampleId :
 SP-1-1

Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	46.5	139.3#
145	189.8	17.5	52.6#



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

