

Data File : VW004850.D
Acq On : 21 Aug 2018 19:02
Operator : SY/AP
Sample : J4572-02
Misc : 5.02G/5ML/MSVOA_W/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
F-1A

Quant Time: Aug 22 05:20:13 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W081918S.M
Quant Title : SW846 8260
QLast Update : Sat Aug 18 01:49:53 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	611060	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	998308	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	967433	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	484044	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	328953	55.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.36%	
35) Dibromofluoromethane	7.88	113	316078	49.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.08%	
50) Toluene-d8	10.33	98	1159406	46.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.10%	
62) 4-Bromofluorobenzene	12.62	95	408689	45.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.22%	

Target Compounds

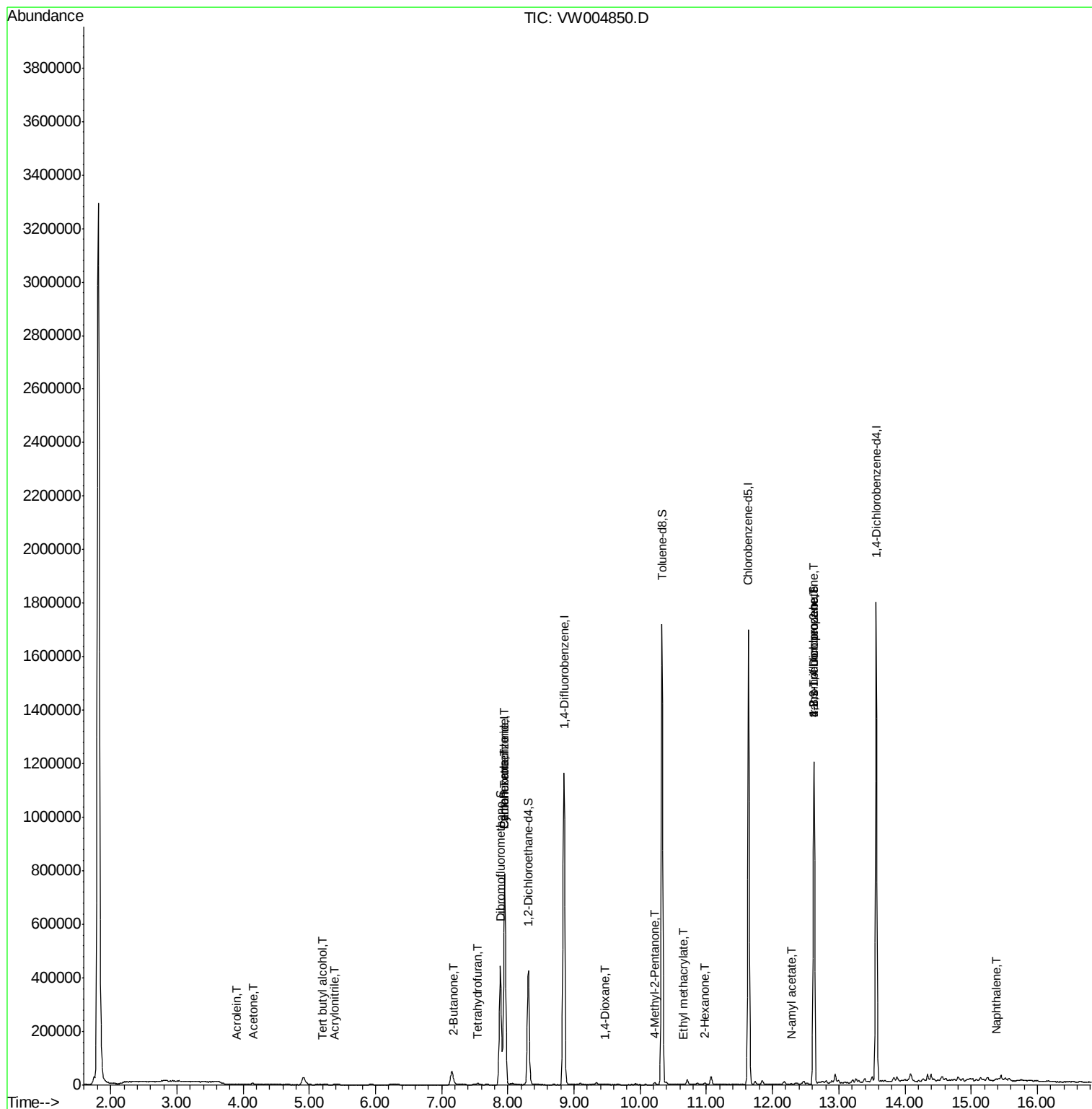
						Qvalue
11) Tert butyl alcohol	5.20	59	523	1.585	ug/l #	72
13) Acrolein	3.90	56	462	1.043	ug/l #	54
15) Acrylonitrile	5.38	53	2426	1.743	ug/l	97
16) Acetone	4.14	43	8250	5.470	ug/l #	87
20) Methylene Chloride	4.91	84	23816	Below Cal		97
25) 2-Butanone	7.19	43	6208	2.889	ug/l	96
29) Tetrahydrofuran	7.54	42	3145	2.870	ug/l	95
31) Cyclohexane	7.95	56	13166	1.140	ug/l #	1
38) Carbon Tetrachloride	7.95	117	56049	5.921	ug/l #	16
49) 1,4-Dioxane	9.47	88	135	2.551	ug/l #	52
51) 4-Methyl-2-Pentanone	10.22	43	6103	1.226	ug/l	97
56) Ethyl methacrylate	10.65	69	1373	3.172	ug/l	88
59) 2-Hexanone	10.98	43	4574	1.356	ug/l	96
74) N-amyl acetate	12.28	43	1004	4.139	ug/l	92
76) 1,2,3-Trichloropropane	12.62	75	193785	45.415	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	193785	105.557	ug/l #	14
95) Naphthalene	15.38	128	6431	3.807	ug/l #	90

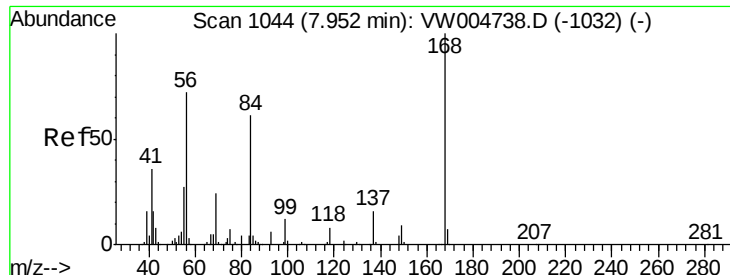
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Aug 18 01:49:53 2018
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW004850.D

Acq: 21 Aug 2018 19:02

Instrument :

MSVOA_W

ClientSampled :

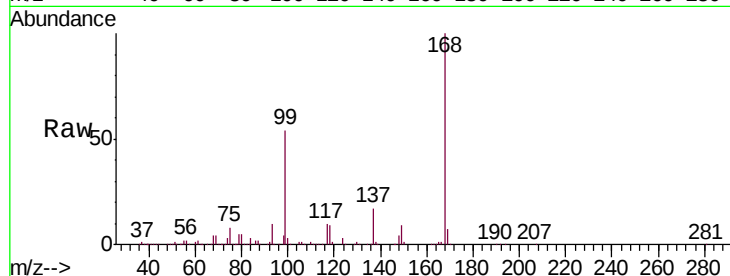
F-1A

Tgt Ion:168 Resp: 611060

Ion Ratio Lower Upper

168 100

99 53.8 41.0 61.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

300000

250000

200000

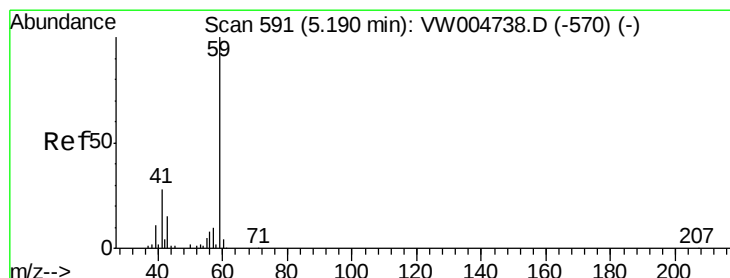
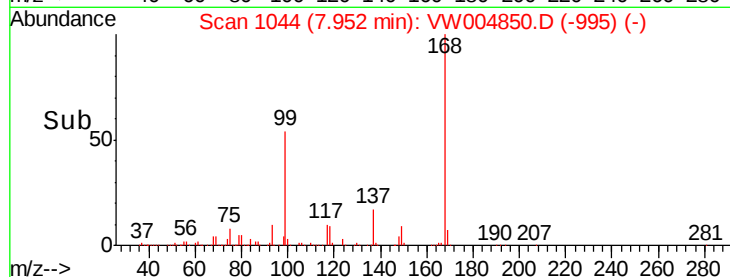
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 1.585 ug/l

RT: 5.20 min Scan# 592

Delta R.T. 0.01 min

Lab File: VW004850.D

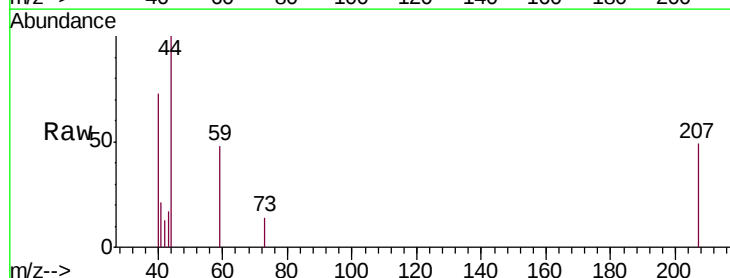
Acq: 21 Aug 2018 19:02

Tgt Ion: 59 Resp: 523

Ion Ratio Lower Upper

59 100

57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

400

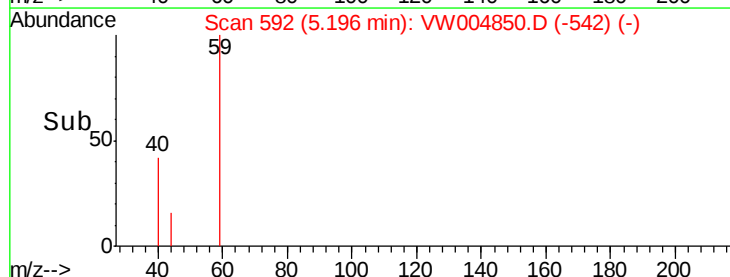
300

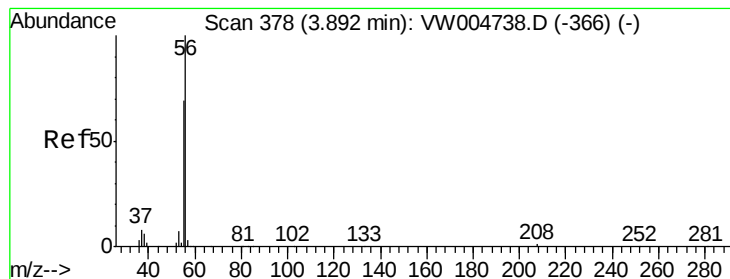
200

100

0

Time--> 5.16 5.18 5.20 5.22





#13

Acrolein

Concen: 1.043 ug/l

RT: 3.90 min Scan# 380

Delta R.T. 0.01 min

Lab File: VW004850.D

Acq: 21 Aug 2018 19:02

Instrument :

MSVOA_W

ClientSampled :

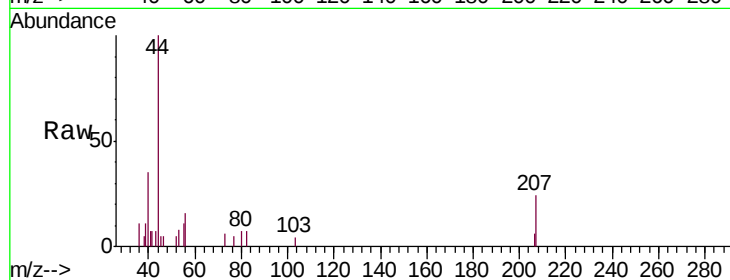
F-1A

Tgt Ion: 56 Resp: 462

Ion Ratio Lower Upper

56 100

55 32.7 56.1 84.1#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW

250

200

150

100

50

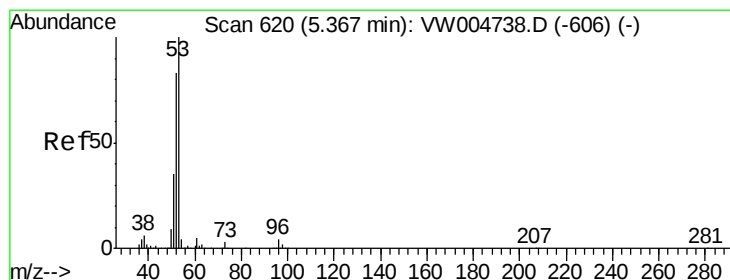
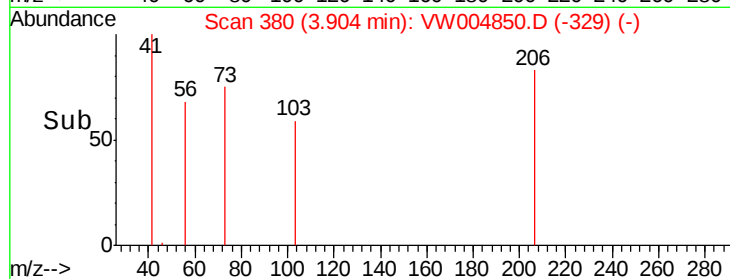
0

3.85

3.90

3.95

Time-->



#15

Acrylonitrile

Concen: 1.743 ug/l

RT: 5.38 min Scan# 622

Delta R.T. 0.01 min

Lab File: VW004850.D

Acq: 21 Aug 2018 19:02

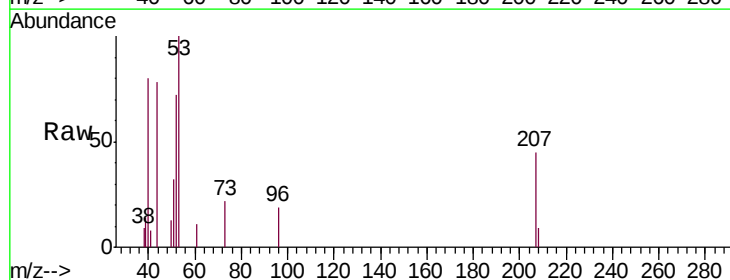
Tgt Ion: 53 Resp: 2426

Ion Ratio Lower Upper

53 100

52 81.0 65.8 98.6

51 32.0 28.7 43.1



Abundance Ion 53.00 (52.70 to 53.70): VW

Ion 52.00 (51.70 to 52.70): VW

Ion 51.00 (50.70 to 51.70): VW

1000

800

600

400

200

0

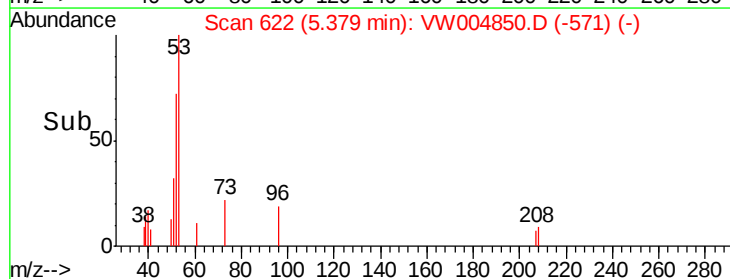
5.30

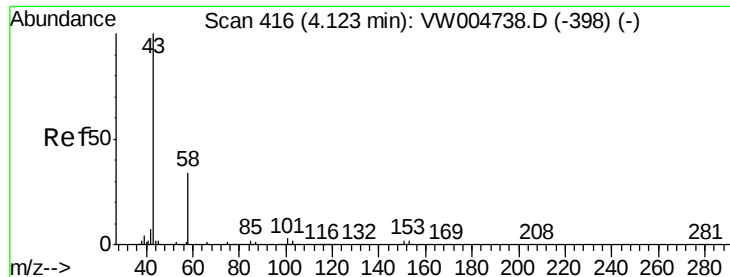
5.38

5.40

5.50

Time-->

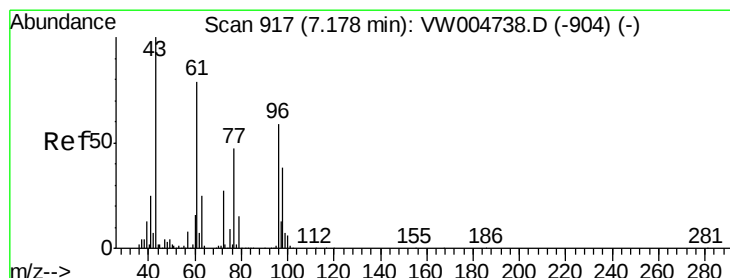
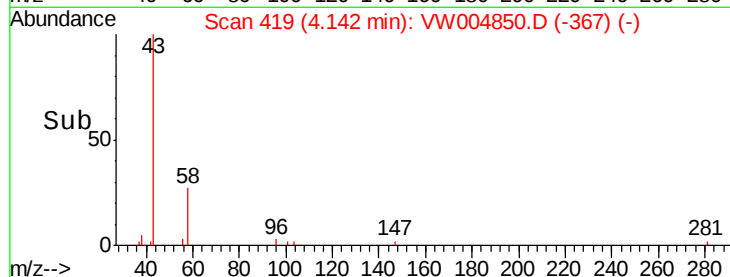
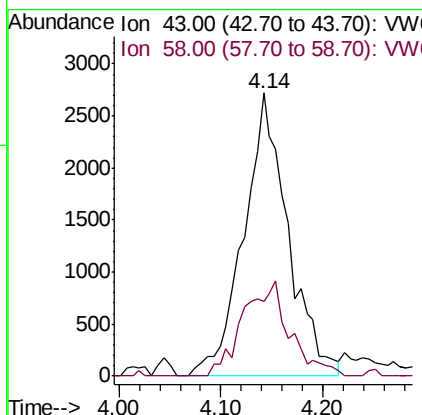
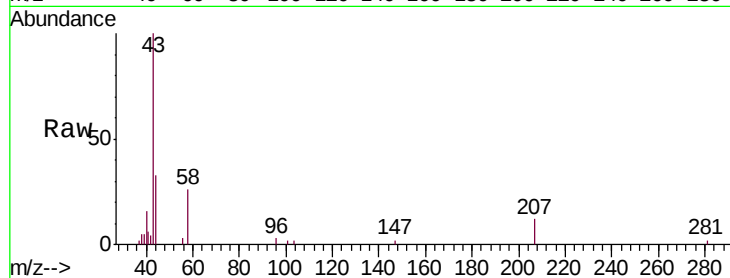




#16
Acetone
Concen: 5.470 ug/l
RT: 4.14 min Scan# 419
Delta R.T. 0.02 min
Lab File: VW004850.D
Acq: 21 Aug 2018 19:02

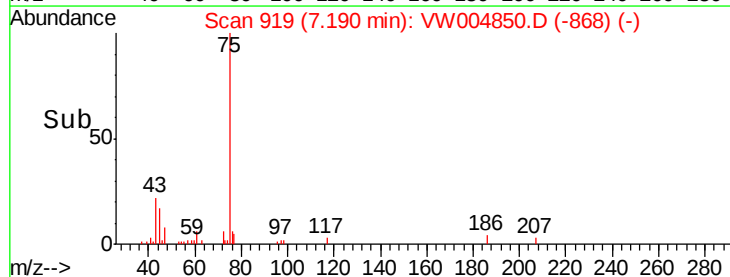
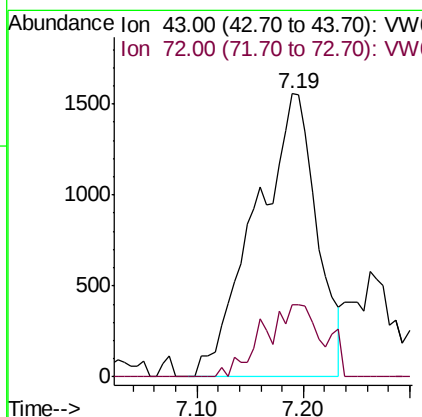
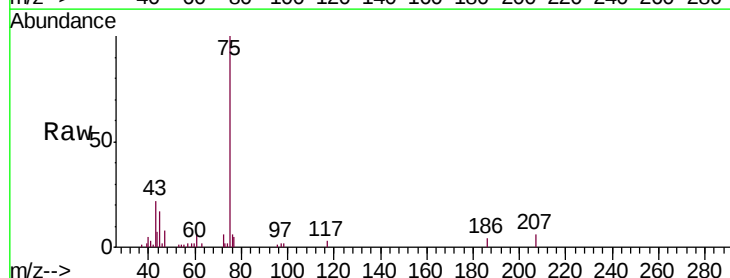
Instrument :
MSVOA_W
ClientSampleId :
F-1A

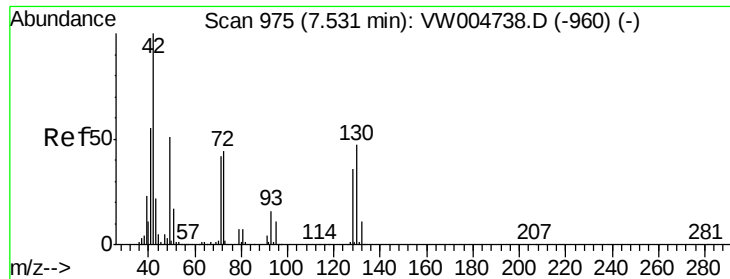
Tgt Ion: 43 Resp: 8250
Ion Ratio Lower Upper
43 100
58 26.5 27.3 40.9#



#25
2-Butanone
Concen: 2.889 ug/l
RT: 7.19 min Scan# 919
Delta R.T. 0.01 min
Lab File: VW004850.D
Acq: 21 Aug 2018 19:02

Tgt Ion: 43 Resp: 6208
Ion Ratio Lower Upper
43 100
72 25.4 22.0 33.0

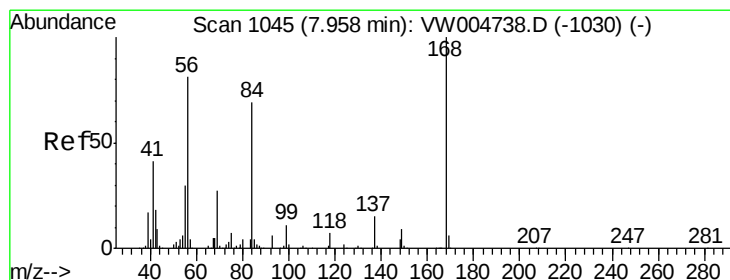
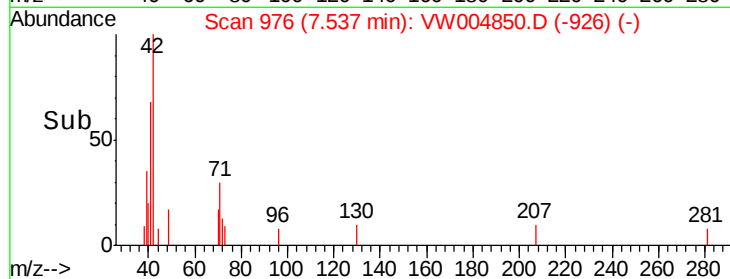
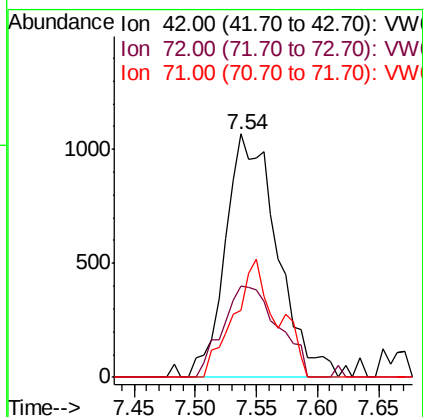
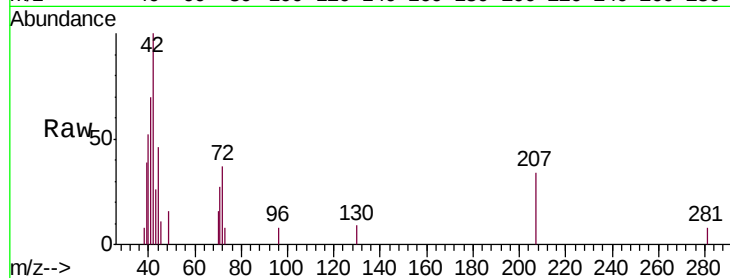




#29
Tetrahydrofuran
Concen: 2.870 ug/l
RT: 7.54 min Scan# 976
Delta R.T. 0.01 min
Lab File: VW004850.D
Acq: 21 Aug 2018 19:02

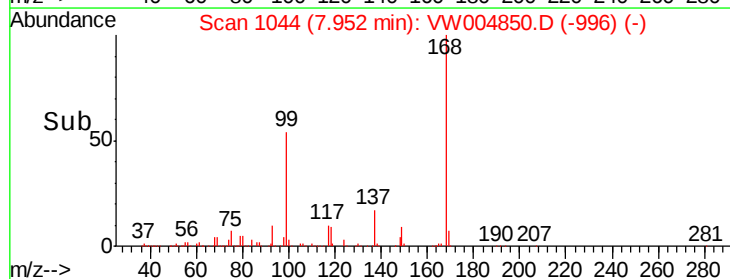
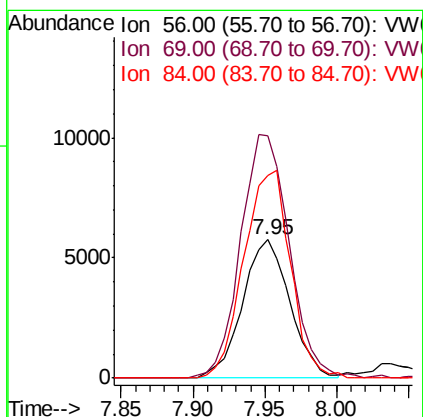
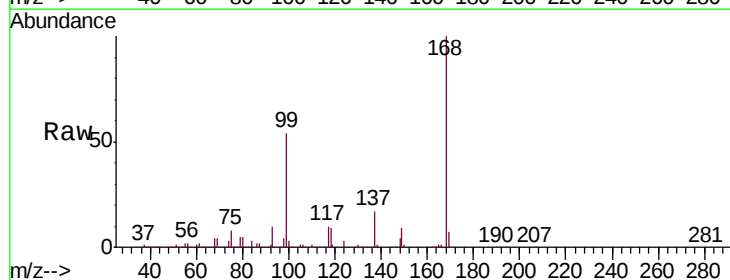
Instrument :
MSVOA_W
ClientSampled :
F-1A

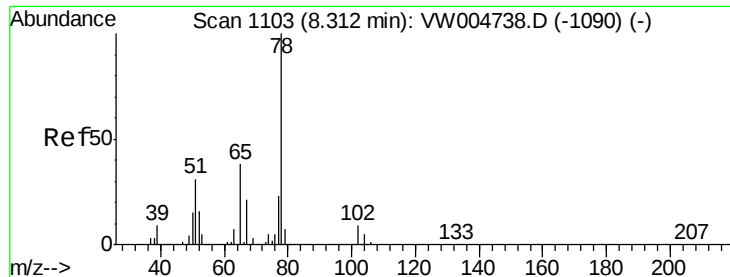
Tgt Ion: 42 Resp: 3145
Ion Ratio Lower Upper
42 100
72 39.9 34.9 52.3
71 40.1 33.8 50.6



#31
Cyclohexane
Concen: 1.140 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VW004850.D
Acq: 21 Aug 2018 19:02

Tgt Ion: 56 Resp: 13166
Ion Ratio Lower Upper
56 100
69 175.3 27.1 40.7#
84 146.4 68.3 102.5#

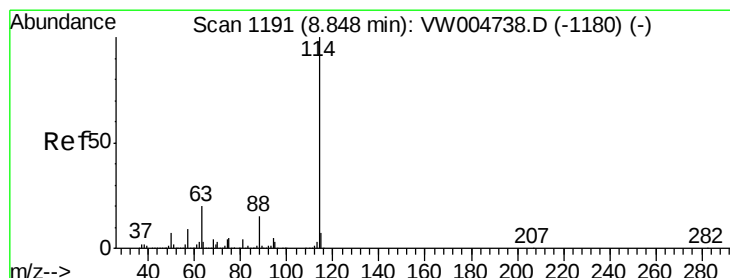
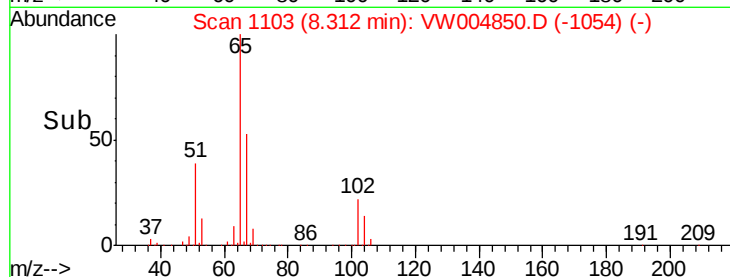
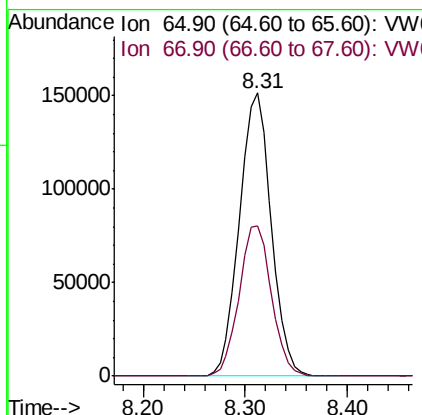
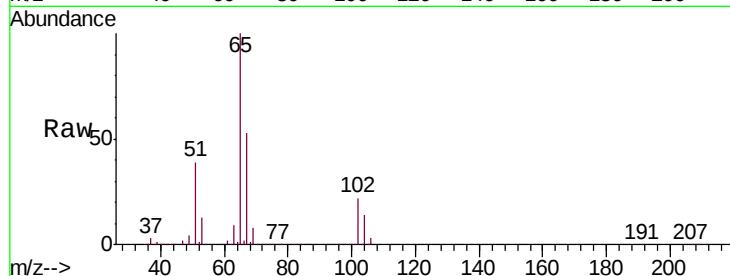




#33
 1,2-Dichloroethane-d4
 Concen: 55.682 ug/l
 RT: 8.31 min Scan# 1103
 Delta R.T. 0.00 min
 Lab File: VW004850.D
 Acq: 21 Aug 2018 19:02

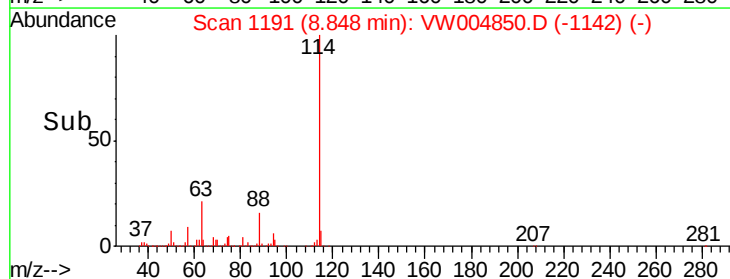
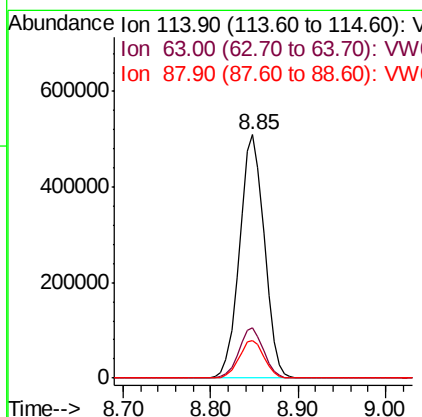
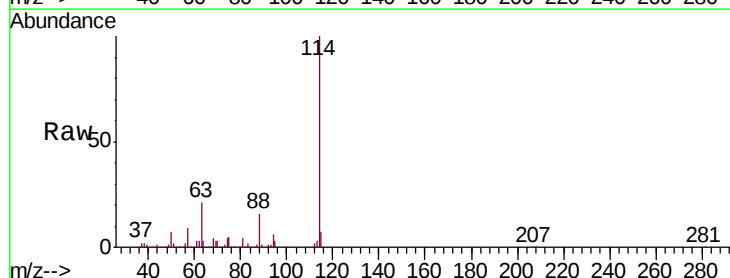
Instrument :
 MSVOA_W
 ClientSampleId :
 F-1A

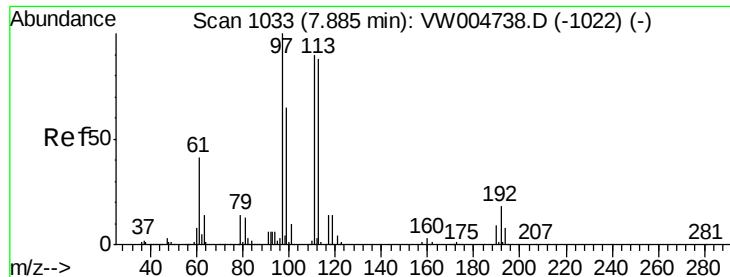
Tgt Ion: 65 Resp: 328953
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW004850.D
 Acq: 21 Aug 2018 19:02

Tgt Ion: 114 Resp: 998308
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 39.0
 88 15.6 0.0 30.0





#35

Dibromofluoromethane

Concen: 49.538 ug/l

RT: 7.88 min Scan# 1033

Delta R.T. 0.00 min

Lab File: VW004850.D

Acq: 21 Aug 2018 19:02

Instrument :

MSVOA_W

ClientSampleId :

F-1A

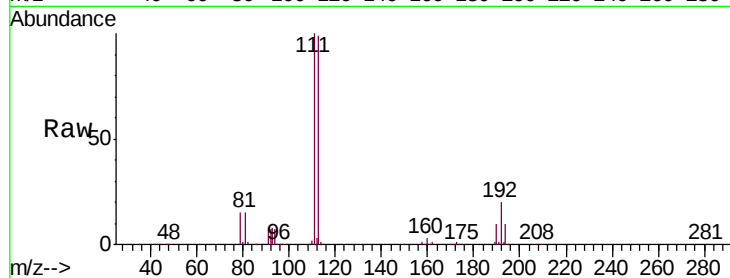
Tgt Ion:113 Resp: 316078

Ion Ratio Lower Upper

113 100

111 102.0 82.4 123.6

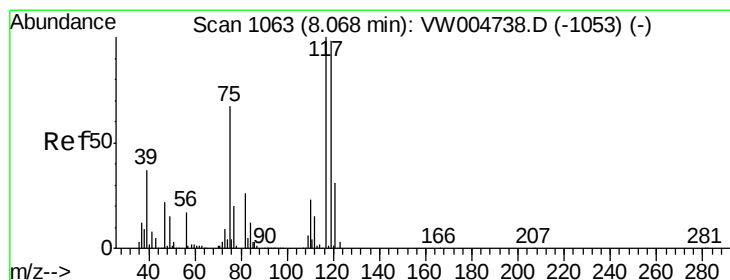
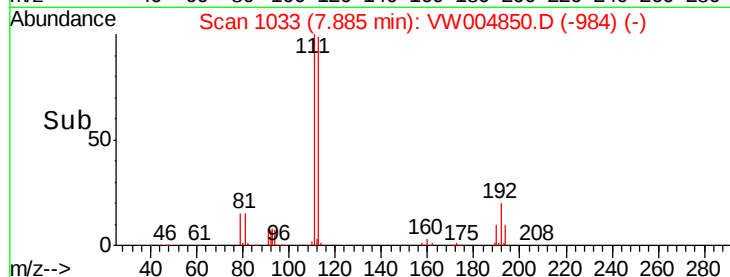
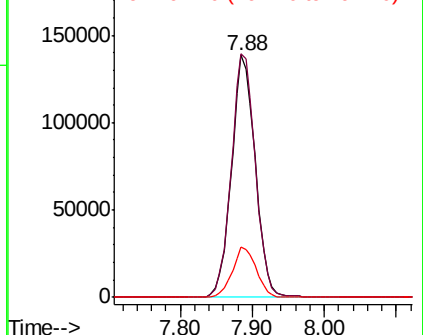
192 20.8 16.7 25.1



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#38

Carbon Tetrachloride

Concen: 5.921 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW004850.D

Acq: 21 Aug 2018 19:02

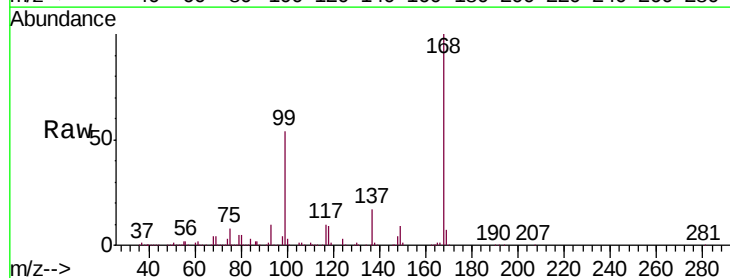
Tgt Ion:117 Resp: 56049

Ion Ratio Lower Upper

117 100

119 6.1 78.0 117.0#

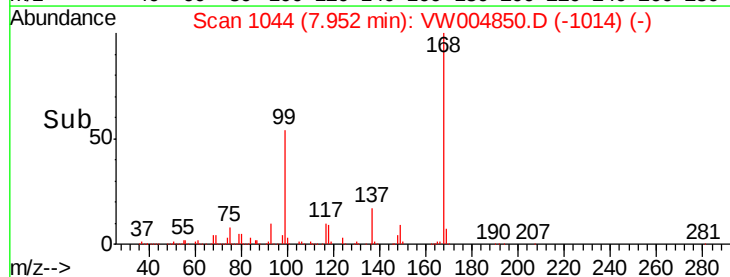
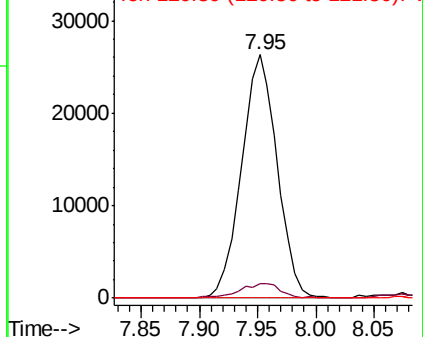
121 0.0 24.8 37.2#

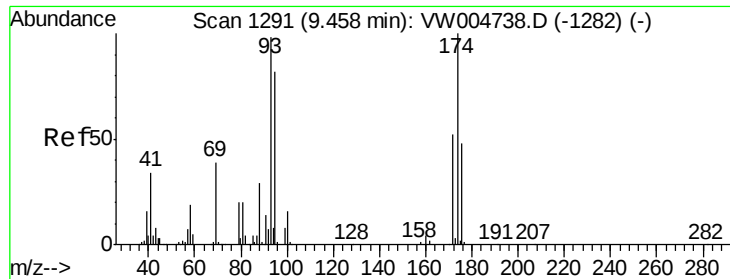


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#49

1,4-Dioxane

Concen: 2.551 ug/l

RT: 9.47 min Scan# 1293

Delta R.T. 0.01 min

Lab File: VW004850.D

Acq: 21 Aug 2018 19:02

Instrument :

MSVOA_W

ClientSampled :

F-1A

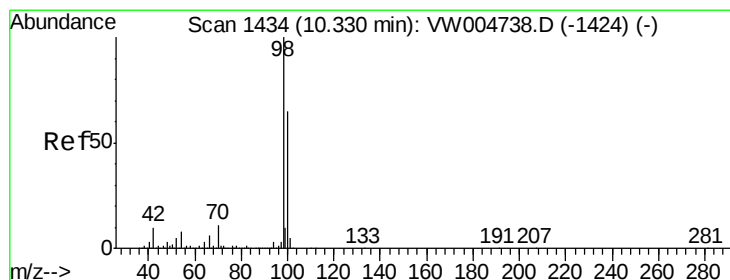
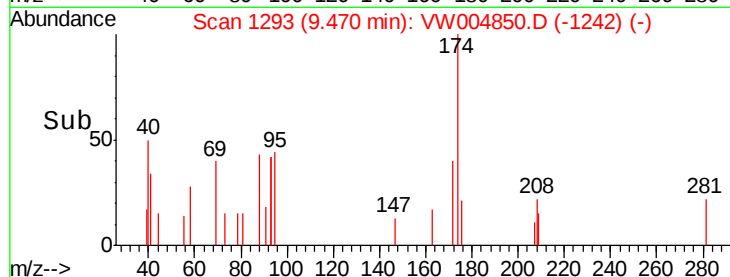
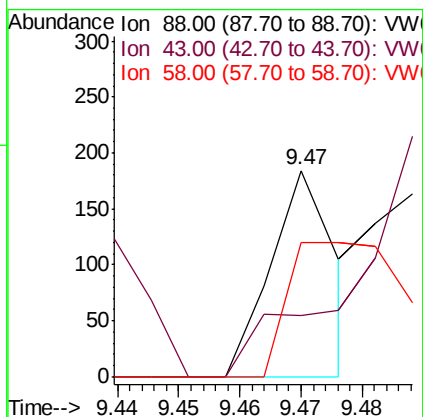
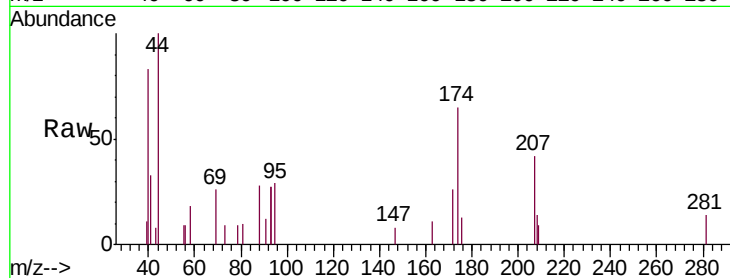
Tgt Ion: 88 Resp: 135

Ion Ratio Lower Upper

88 100

43 0.0 22.9 34.3#

58 114.1 60.0 90.0#



#50

Toluene-d8

Concen: 46.550 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW004850.D

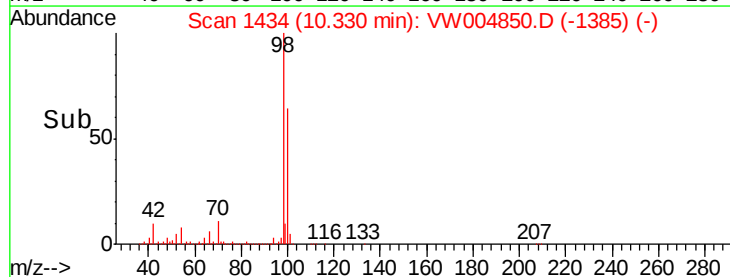
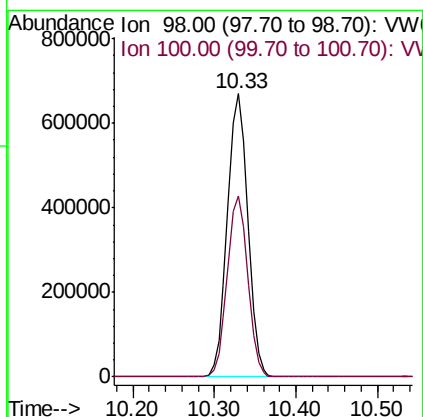
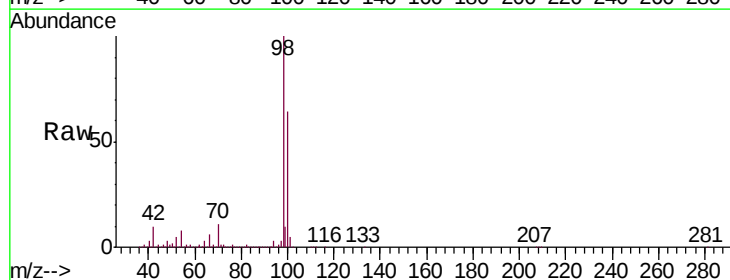
Acq: 21 Aug 2018 19:02

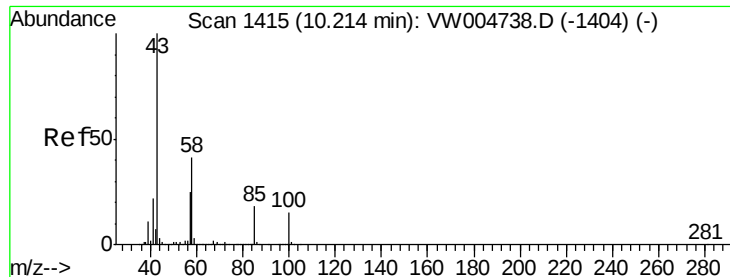
Tgt Ion: 98 Resp: 1159406

Ion Ratio Lower Upper

98 100

100 63.7 51.8 77.8





#51

4-Methyl-2-Pentanone

Concen: 1.226 ug/l

RT: 10.22 min Scan# 1416

Delta R.T. 0.01 min

Lab File: VW004850.D

Acq: 21 Aug 2018 19:02

Instrument :

MSVOA_W

ClientSampleId :

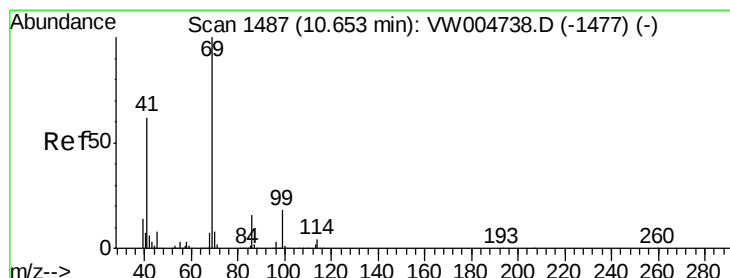
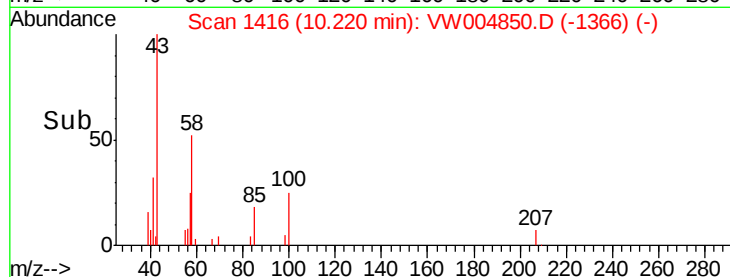
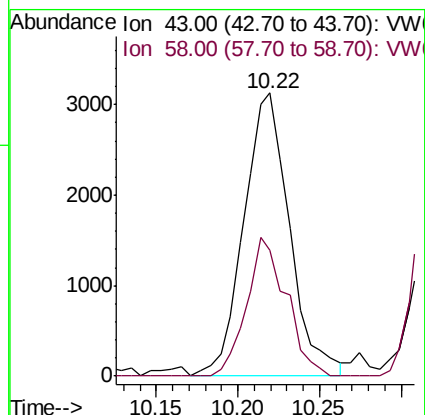
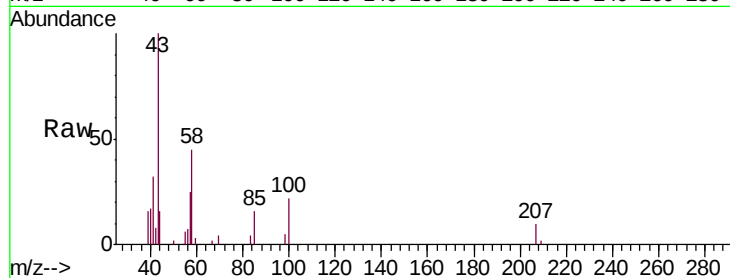
F-1A

Tgt Ion: 43 Resp: 6103

Ion Ratio Lower Upper

43 100

58 42.5 32.7 49.1



#56

Ethyl methacrylate

Concen: 3.172 ug/l

RT: 10.65 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW004850.D

Acq: 21 Aug 2018 19:02

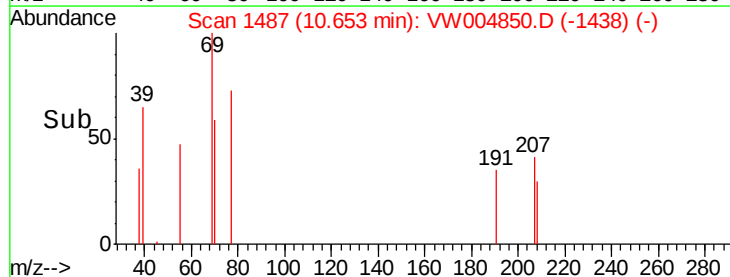
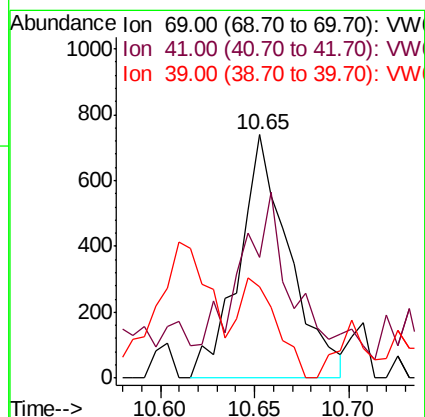
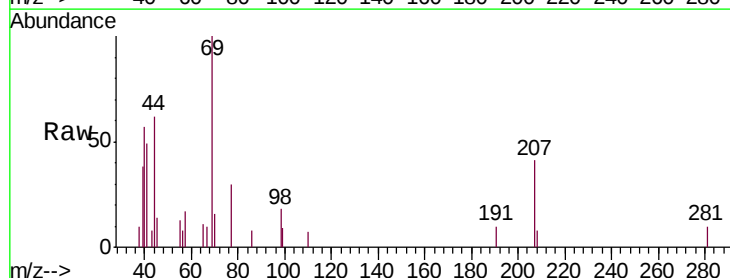
Tgt Ion: 69 Resp: 1373

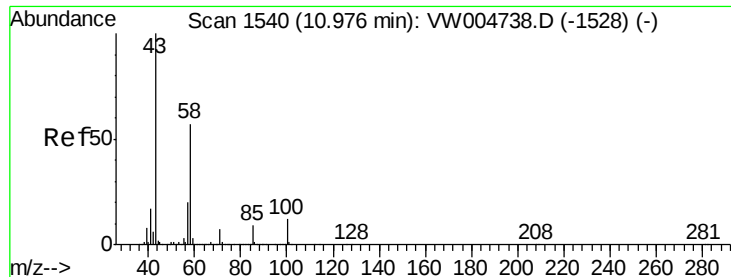
Ion Ratio Lower Upper

69 100

41 73.5 50.7 76.1

39 31.6 21.4 32.2





#59

2-Hexanone

Concen: 1.356 ug/l

RT: 10.98 min Scan# 1540

Delta R.T. 0.00 min

Lab File: VW004850.D

Acq: 21 Aug 2018 19:02

Instrument :

MSVOA_W

ClientSampled :

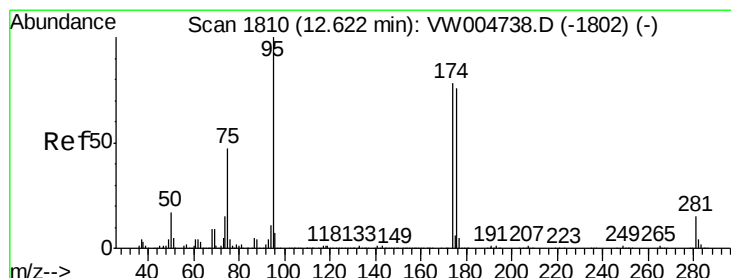
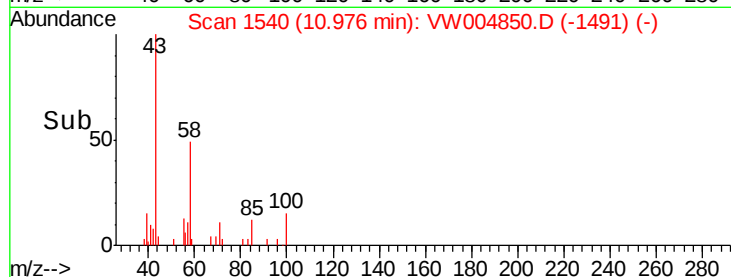
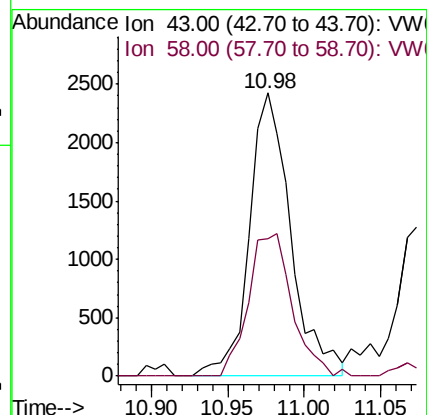
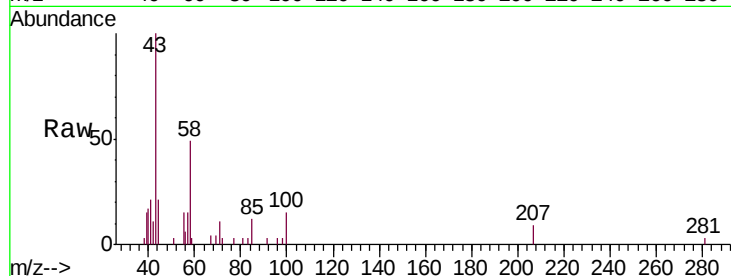
F-1A

Tgt Ion: 43 Resp: 4574

Ion Ratio Lower Upper

43 100

58 53.2 28.1 84.4



#62

4-Bromofluorobenzene

Concen: 45.610 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VW004850.D

Acq: 21 Aug 2018 19:02

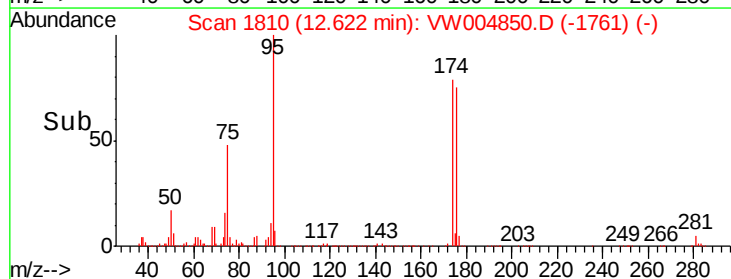
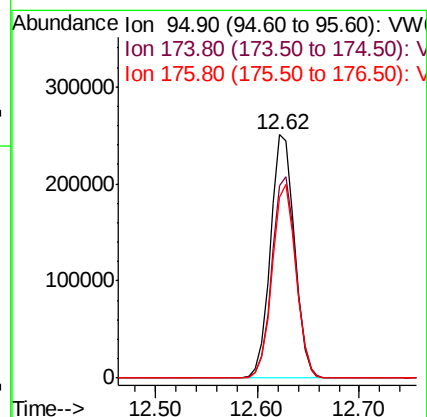
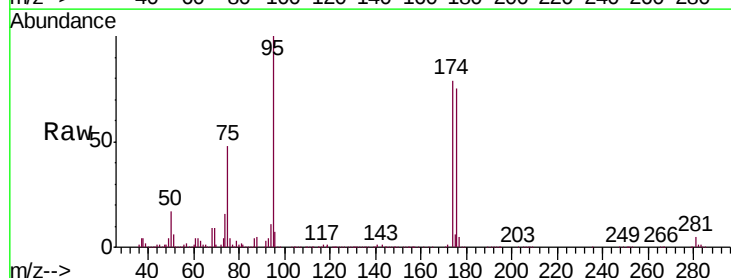
Tgt Ion: 95 Resp: 408689

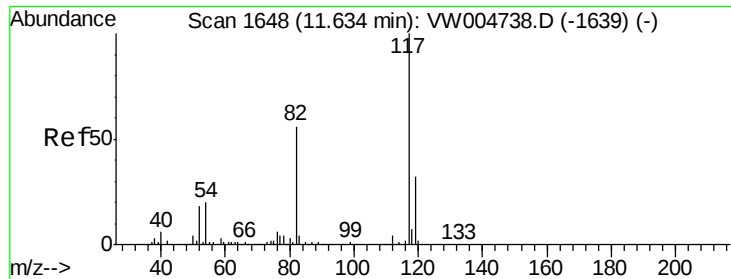
Ion Ratio Lower Upper

95 100

174 82.7 0.0 165.8

176 78.2 0.0 159.8

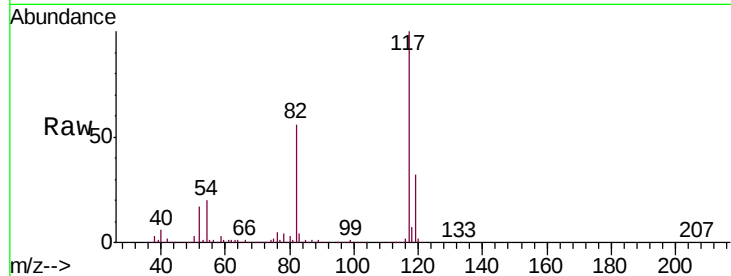




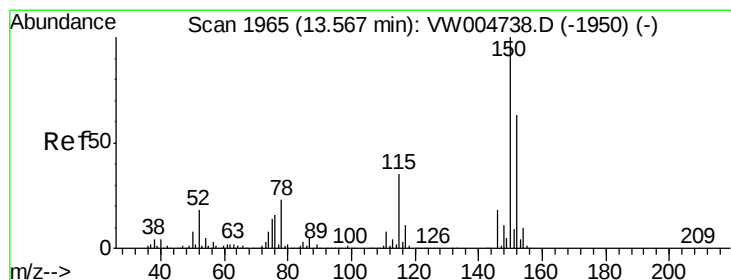
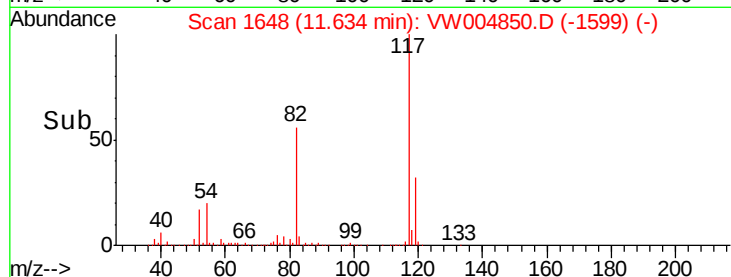
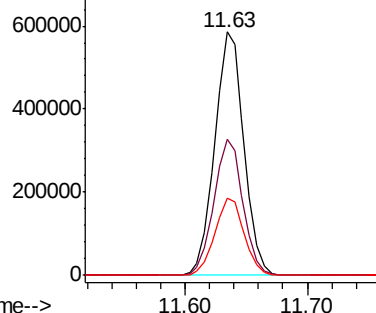
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW004850.D
Acq: 21 Aug 2018 19:02

Instrument :
MSVOA_W
ClientSampleId :
F-1A

Tgt Ion:117 Resp: 967433
Ion Ratio Lower Upper
117 100
82 55.8 44.6 67.0
119 31.9 25.6 38.4

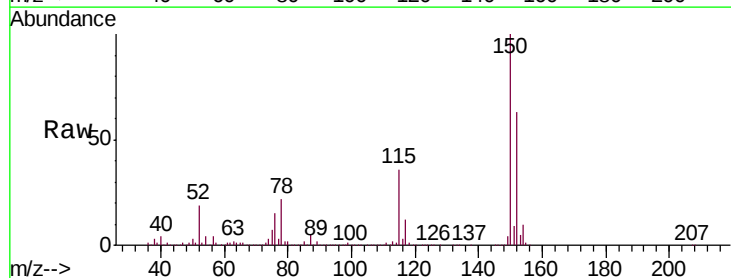


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

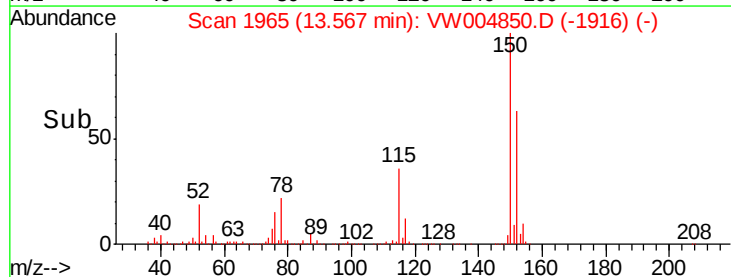
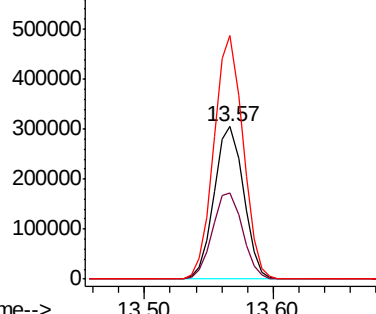


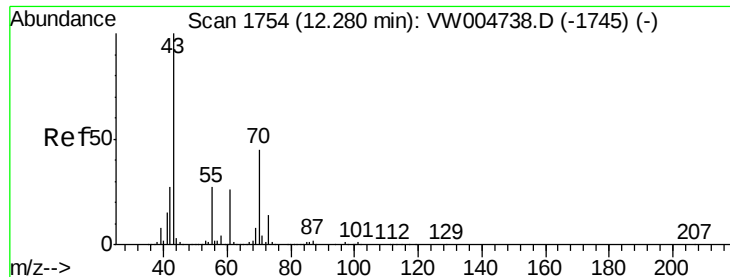
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VW004850.D
Acq: 21 Aug 2018 19:02

Tgt Ion:152 Resp: 484044
Ion Ratio Lower Upper
152 100
115 57.3 28.5 85.5
150 156.4 0.0 344.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#74

N-amyI acetate

Concen: 4.139 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. 0.00 min

Lab File: VW004850.D

Acq: 21 Aug 2018 19:02

Instrument :

MSVOA_W

ClientSampleId :

F-1A

Tgt Ion: 43 Resp: 1004

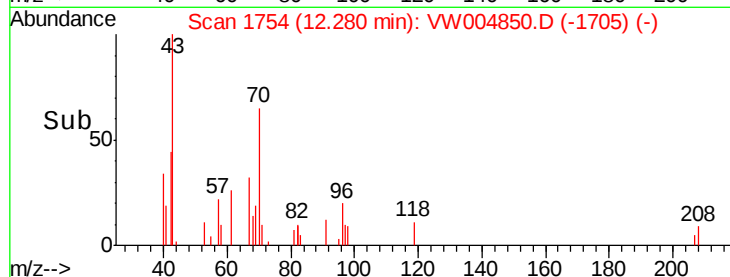
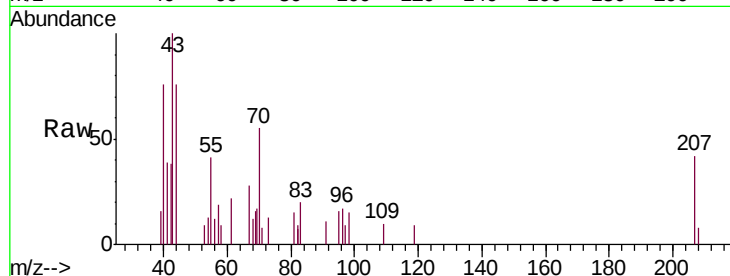
Ion Ratio Lower Upper

43 100

70 51.2 36.3 54.5

55 32.2 22.6 33.8

61 22.4 20.2 30.4

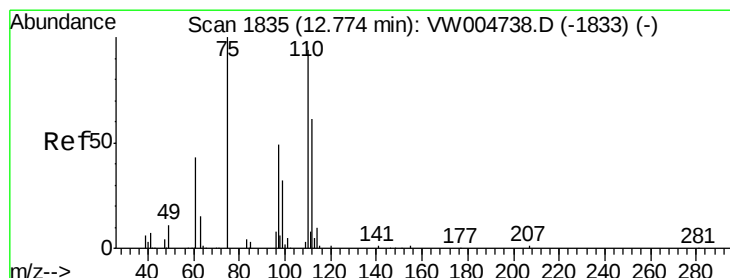
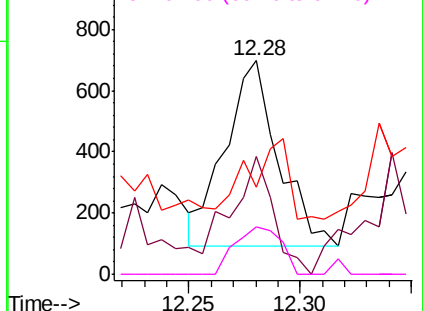


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW



#76

1,2,3-Trichloropropane

Concen: 45.415 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW004850.D

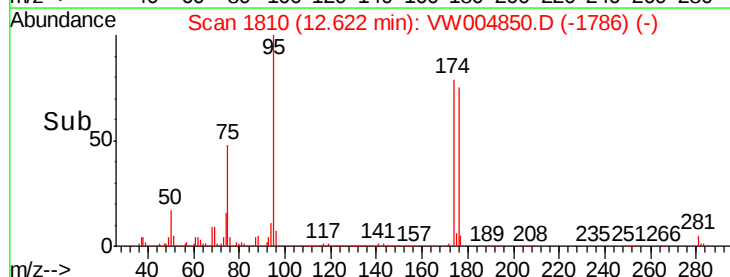
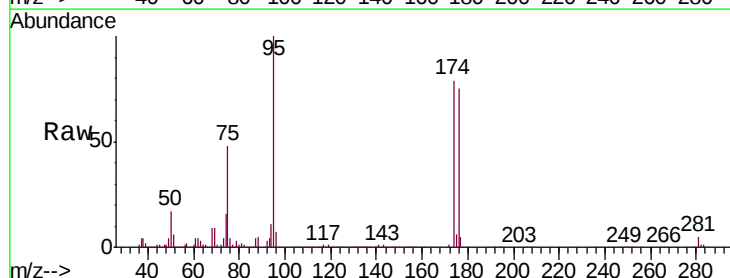
Acq: 21 Aug 2018 19:02

Tgt Ion: 75 Resp: 193785

Ion Ratio Lower Upper

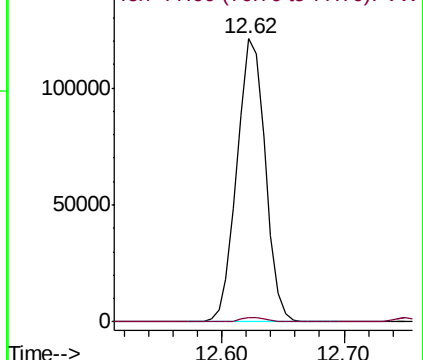
75 100

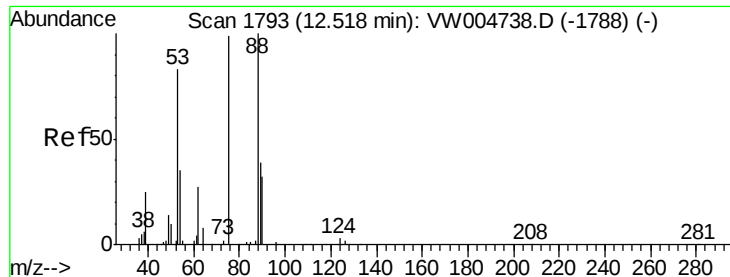
77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

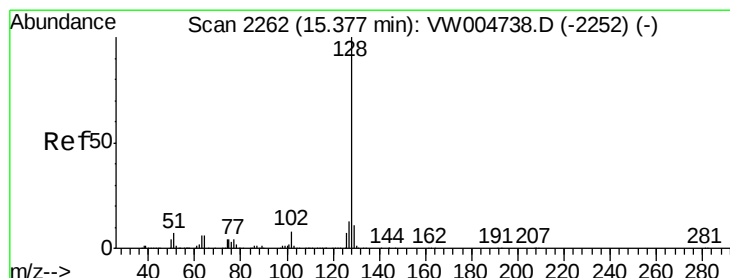
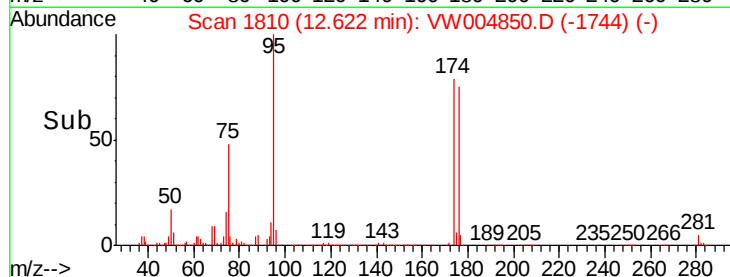
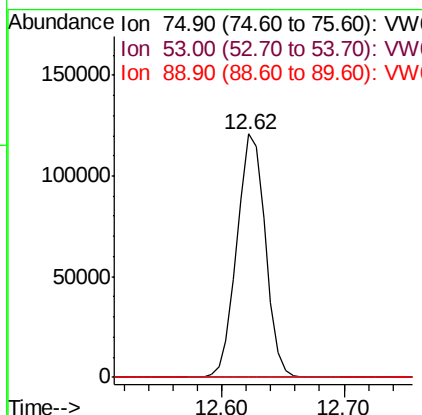
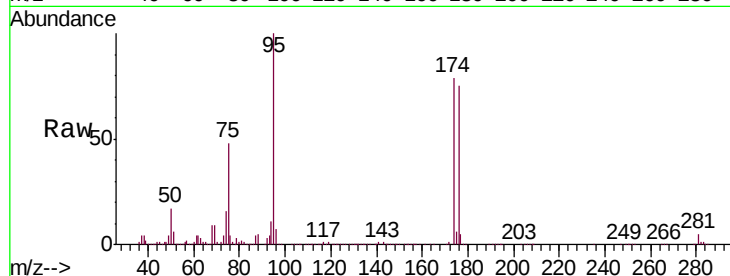




#81
 trans-1,4-Dichloro-2-butene
 Concen: 105.557 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. 0.10 min
 Lab File: VW004850.D
 Acq: 21 Aug 2018 19:02

Instrument :
 MSVOA_W
 ClientSampleId :
 F-1A

Tgt Ion: 75 Resp: 193785
 Ion Ratio Lower Upper
 75 100
 53 0.2 72.2 108.4#
 89 0.0 35.2 52.8#



#95
 Naphthalene
 Concen: 3.807 ug/l
 RT: 15.38 min Scan# 2263
 Delta R.T. 0.01 min
 Lab File: VW004850.D
 Acq: 21 Aug 2018 19:02

Tgt Ion: 128 Resp: 6431
 Ion Ratio Lower Upper
 128 100
 127 17.4 10.4 15.6#
 129 14.1 8.6 13.0#

