

Data File : VW010697.D
Acq On : 05 Jun 2019 17:28
Operator : SY/VA
Sample : K3182-01
Misc : 5.06G/5ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
B-06-2.5-3.0

Quant Time: Jun 06 07:29:57 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W060419S.M
Quant Title : SW846 8260
QLast Update : Wed Jun 05 03:21:19 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	40700	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	64425	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	55499	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	22332	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	25388	52.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.84%	
35) Dibromofluoromethane	7.88	113	18279	52.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.54%	
50) Toluene-d8	10.32	98	84032	54.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.60%	
62) 4-Bromofluorobenzene	12.62	95	29108	52.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.34%	

Target Compounds

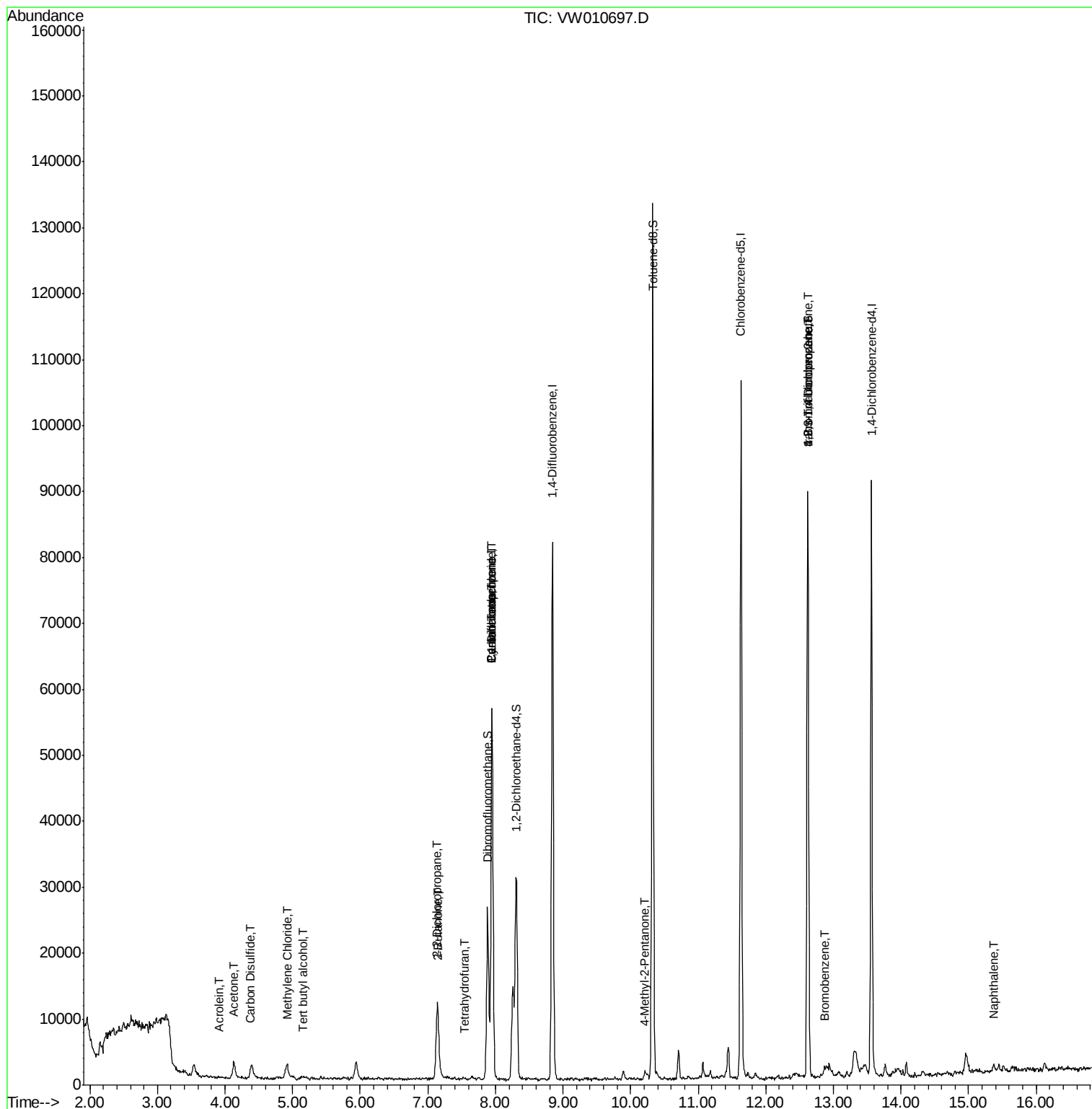
						Qvalue
11) Tert butyl alcohol	5.17	59	301	7.702	ug/l #	94
13) Acrolein	3.92	56	19	1.190	ug/l #	1
16) Acetone	4.13	43	4385	34.114	ug/l #	85
17) Carbon Disulfide	4.37	76	1485	1.189	ug/l	99
20) Methylene Chloride	4.92	84	1397	3.098	ug/l #	77
25) 2-Butanone	7.15	43	760	4.264	ug/l #	53
26) 2,2-Dichloropropane	7.13	77	778	1.098	ug/l #	55
29) Tetrahydrofuran	7.54	42	166	1.481	ug/l #	40
31) Cyclohexane	7.95	56	1140	1.178	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	3546	5.377	ug/l #	51
38) Carbon Tetrachloride	7.95	117	4314	7.578	ug/l #	17
51) 4-Methyl-2-Pentanone	10.21	43	1246	3.455	ug/l #	86
76) 1,2,3-Trichloropropane	12.62	75	14978	63.868	ug/l #	100
77) Bromobenzene	12.87	156	1116	3.047	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	14978	146.789	ug/l #	5
95) Naphthalene	15.38	128	914	1.128	ug/l #	95

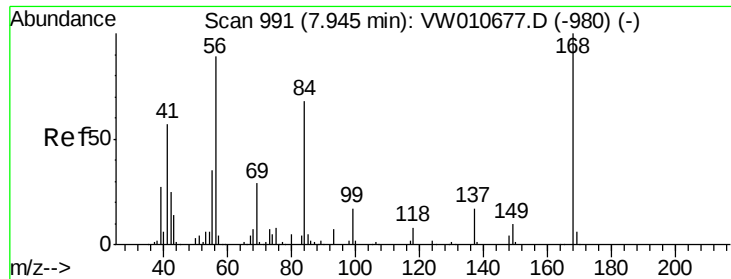
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW010697.D

Acq: 05 Jun 2019 17:28

Instrument :

MSVOA_W

ClientSampleId :

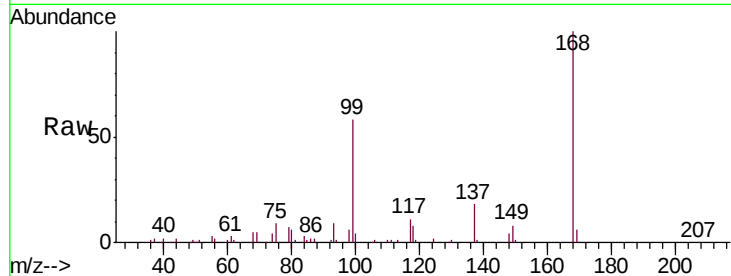
B-06-2.5-3.0

Tgt Ion:168 Resp: 40700

Ion Ratio Lower Upper

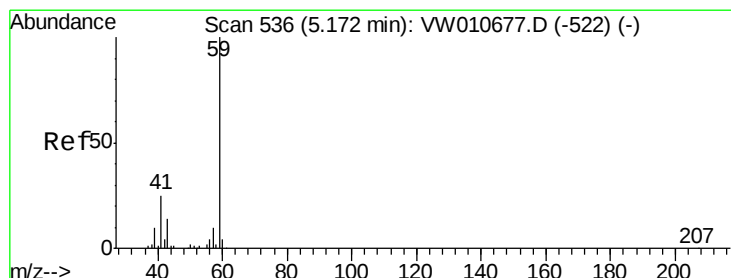
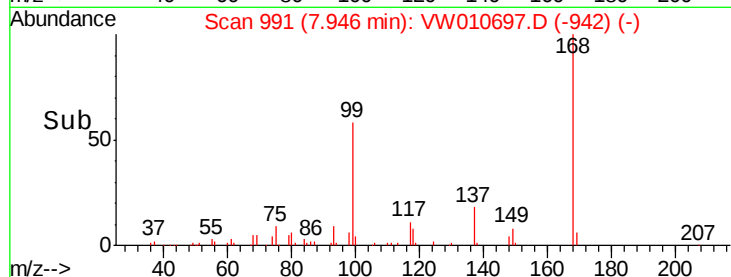
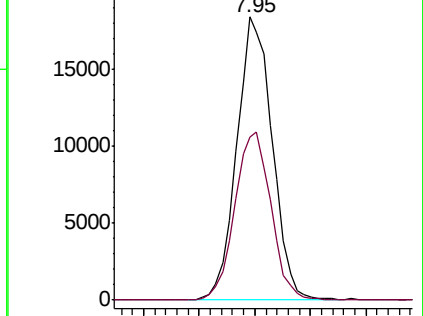
168 100

99 57.8 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 7.702 ug/l

RT: 5.17 min Scan# 535

Delta R.T. -0.01 min

Lab File: VW010697.D

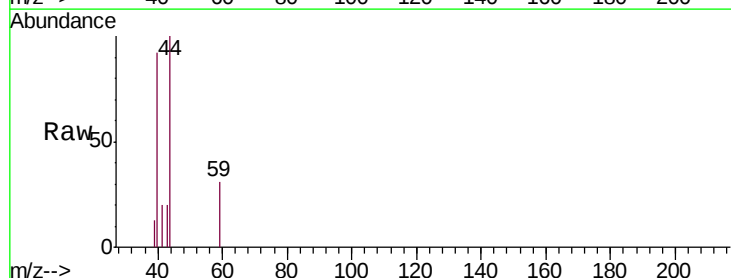
Acq: 05 Jun 2019 17:28

Tgt Ion: 59 Resp: 301

Ion Ratio Lower Upper

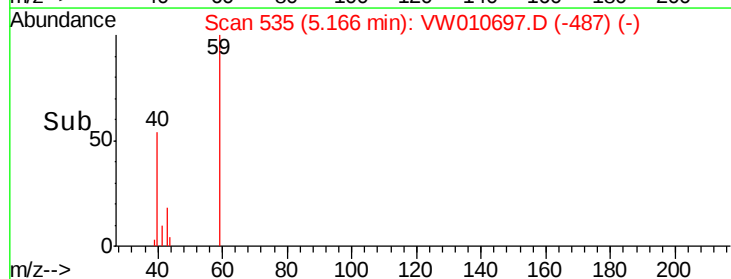
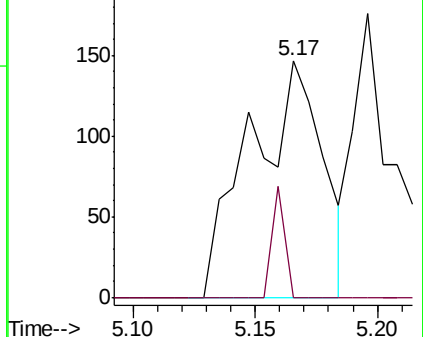
59 100

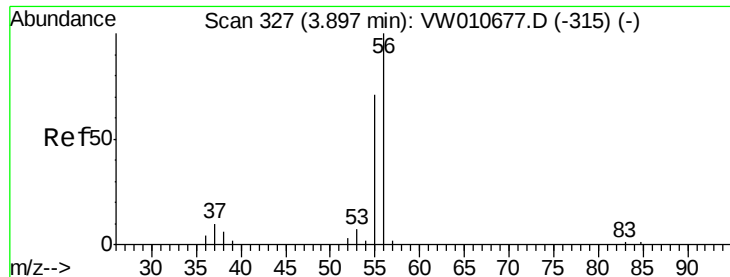
57 8.3 8.6 12.8#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: 1.190 ug/l

RT: 3.92 min Scan# 331

Delta R.T. 0.02 min

Lab File: VW010697.D

Acq: 05 Jun 2019 17:28

Instrument :

MSVOA_W

ClientSampled :

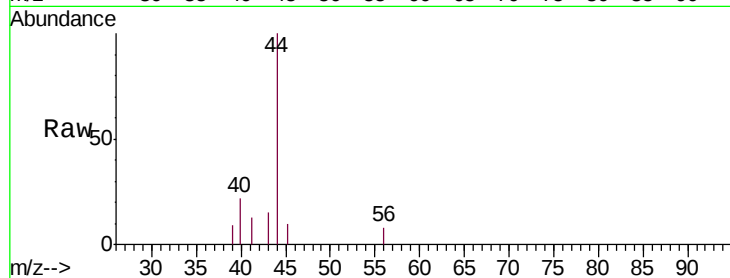
B-06-2.5-3.0

Tgt Ion: 56 Resp: 19

Ion Ratio Lower Upper

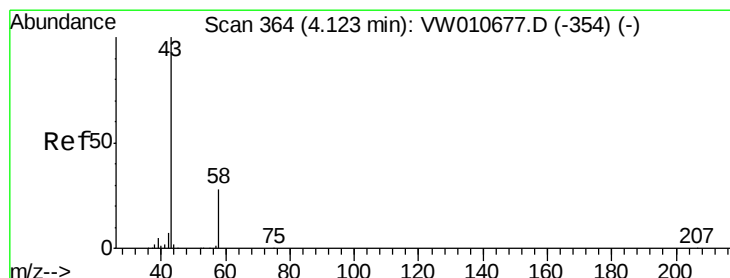
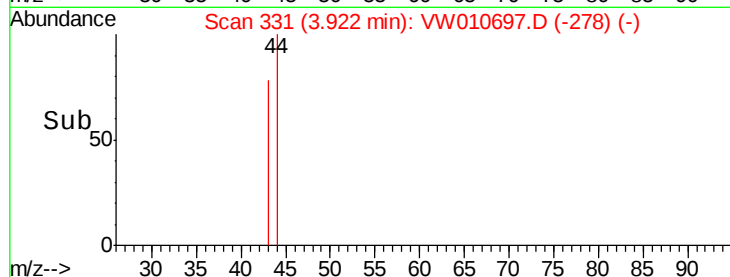
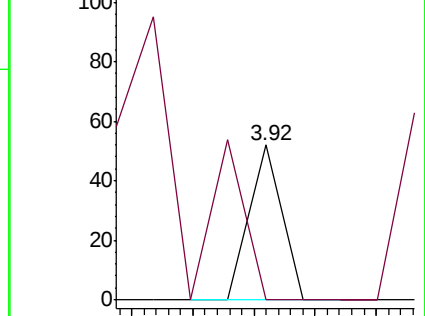
56 100

55 647.4 57.6 86.4#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#16

Acetone

Concen: 34.114 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW010697.D

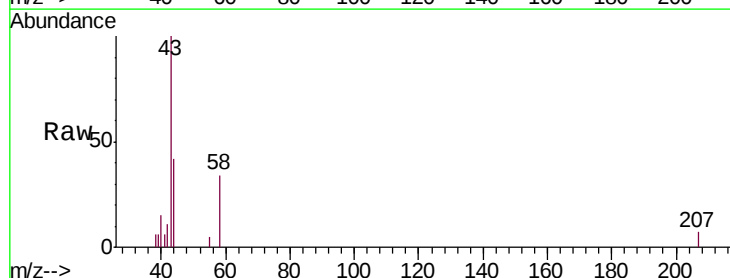
Acq: 05 Jun 2019 17:28

Tgt Ion: 43 Resp: 4385

Ion Ratio Lower Upper

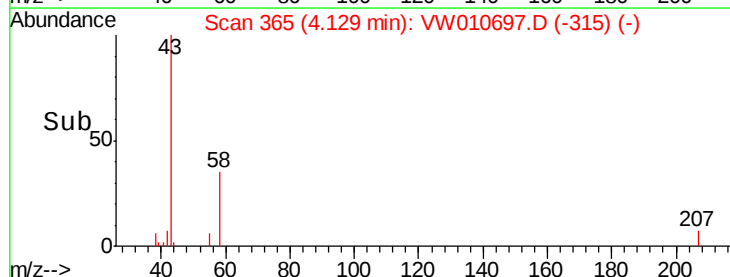
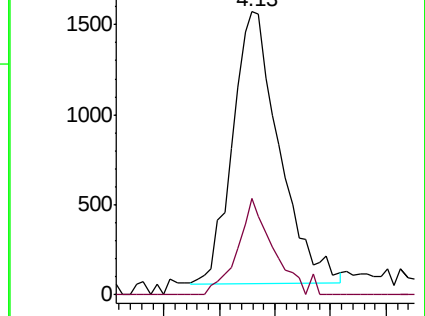
43 100

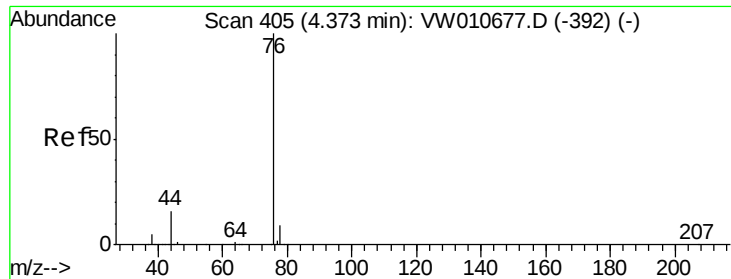
58 35.5 22.1 33.1#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

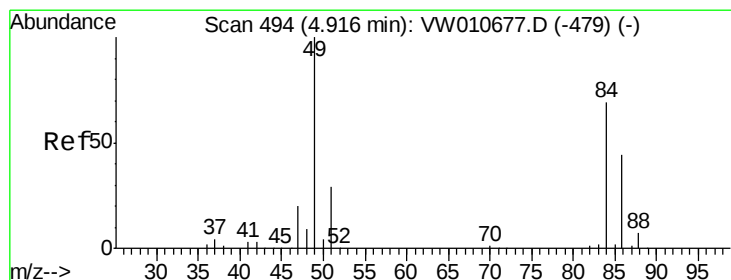
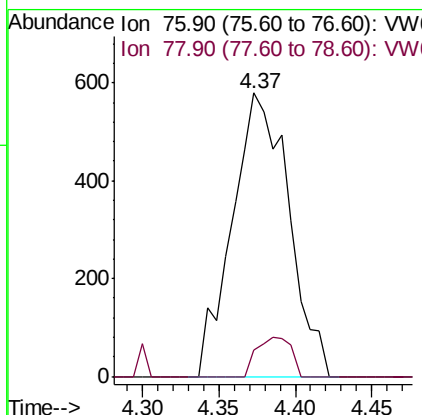
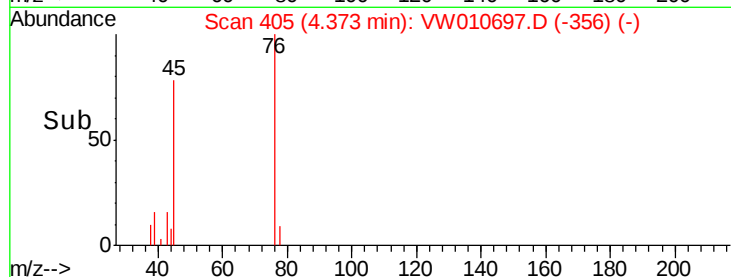
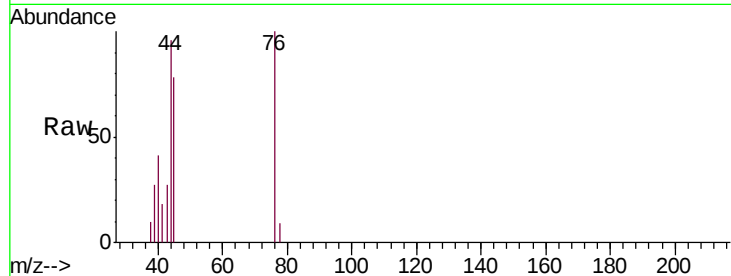




#17
Carbon Disulfide
Concen: 1.189 ug/l
RT: 4.37 min Scan# 405
Delta R.T. 0.00 min
Lab File: VW010697.D
Acq: 05 Jun 2019 17:28

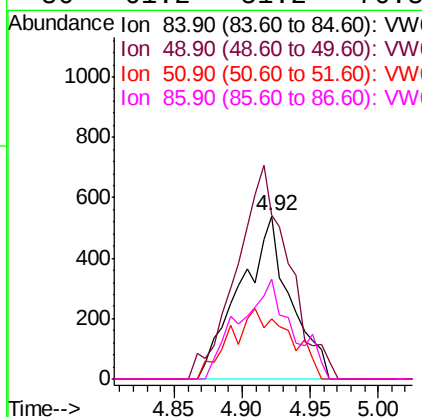
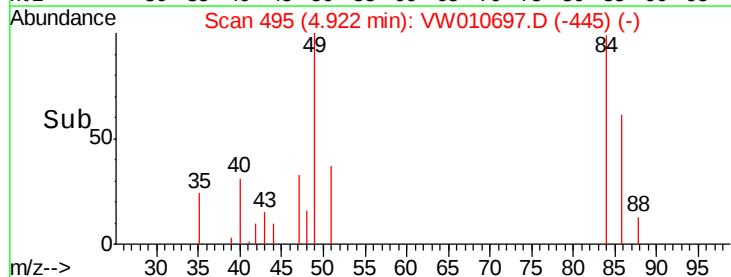
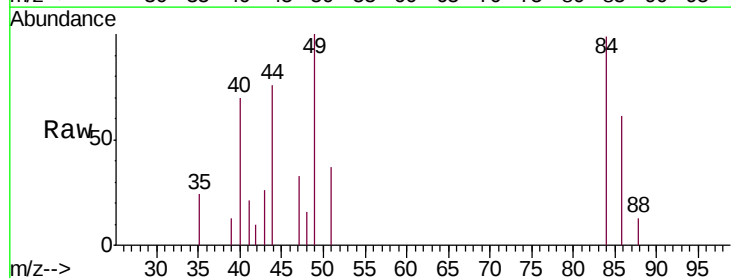
Instrument :
MSVOA_W
ClientSampleId :
B-06-2.5-3.0

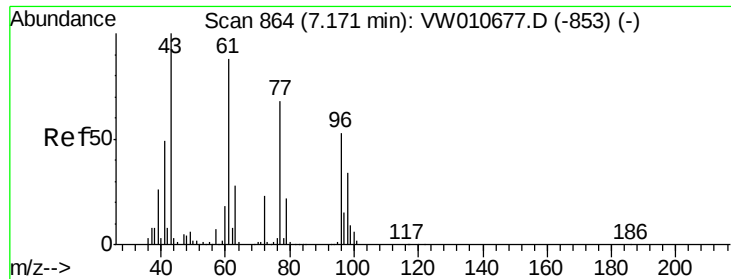
Tgt Ion: 76 Resp: 1485
Ion Ratio Lower Upper
76 100
78 9.2 7.5 11.3



#20
Methylene Chloride
Concen: 3.098 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW010697.D
Acq: 05 Jun 2019 17:28

Tgt Ion: 84 Resp: 1397
Ion Ratio Lower Upper
84 100
49 100.9 116.7 175.1#
51 37.3 34.2 51.2
86 61.2 51.2 76.8





#25

2-Butanone

Concen: 4.264 ug/l

RT: 7.15 min Scan# 861

Delta R.T. -0.02 min

Lab File: VW010697.D

Acq: 05 Jun 2019 17:28

Instrument :

MSVOA_W

ClientSampleId :

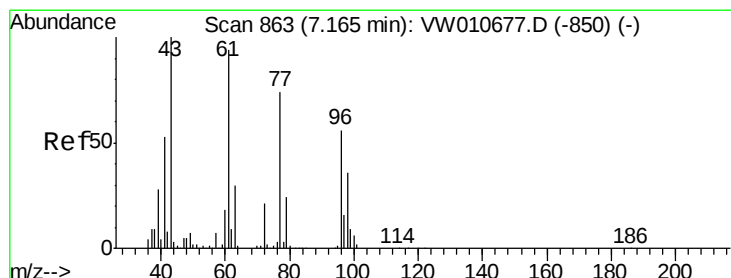
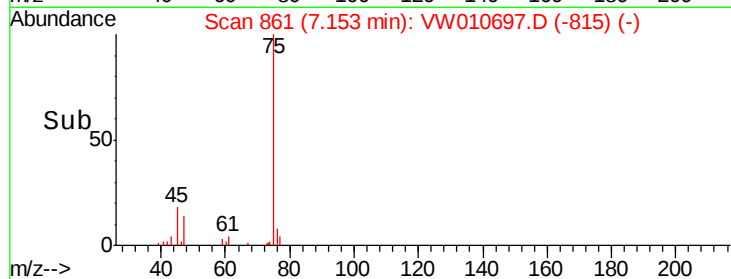
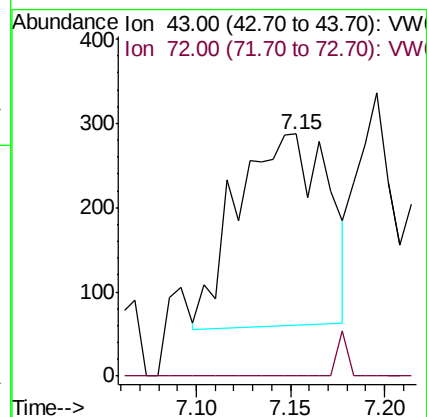
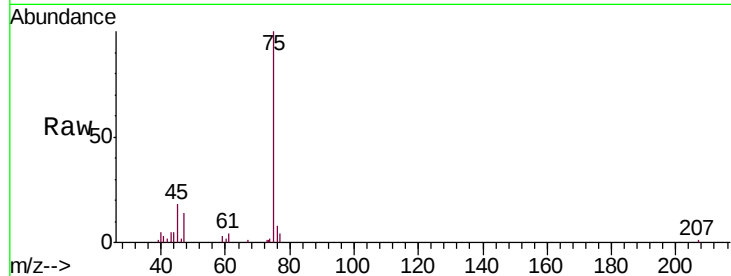
B-06-2.5-3.0

Tgt Ion: 43 Resp: 760

Ion Ratio Lower Upper

43 100

72 0.0 18.1 27.1#



#26

2,2-Dichloropropane

Concen: 1.098 ug/l

RT: 7.13 min Scan# 858

Delta R.T. -0.03 min

Lab File: VW010697.D

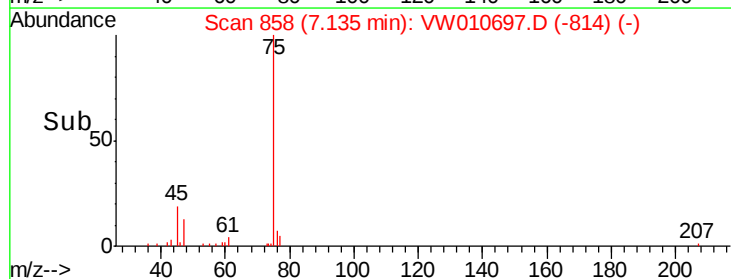
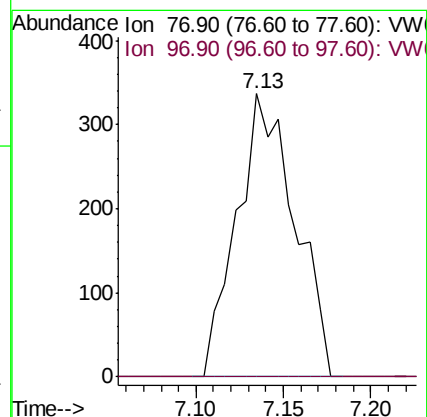
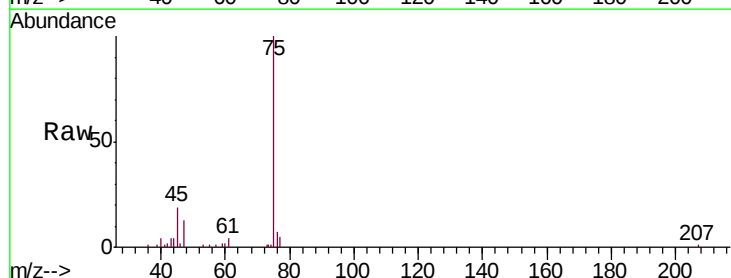
Acq: 05 Jun 2019 17:28

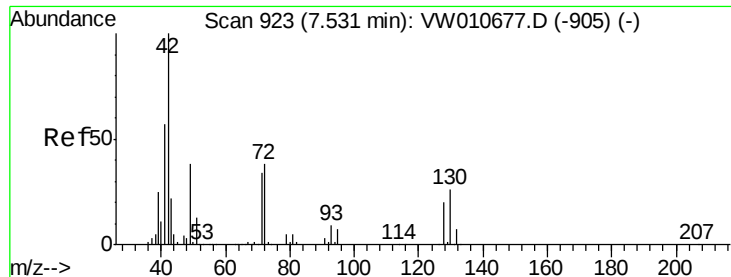
Tgt Ion: 77 Resp: 778

Ion Ratio Lower Upper

77 100

97 0.0 10.5 31.6#

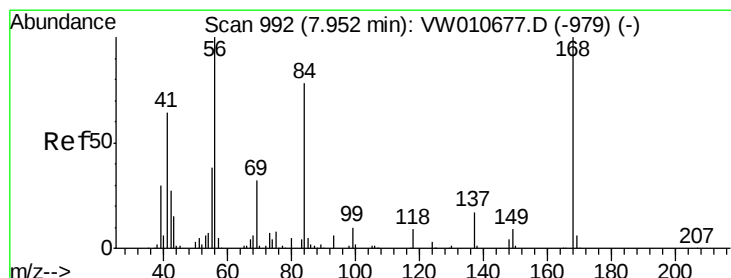
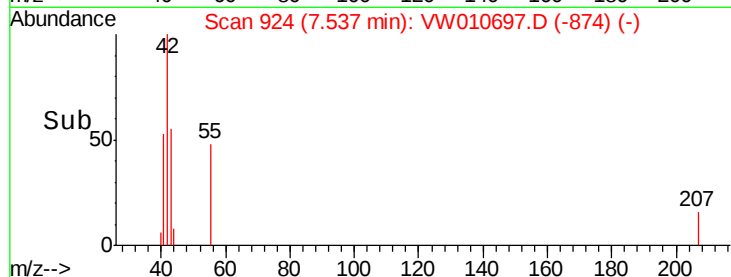
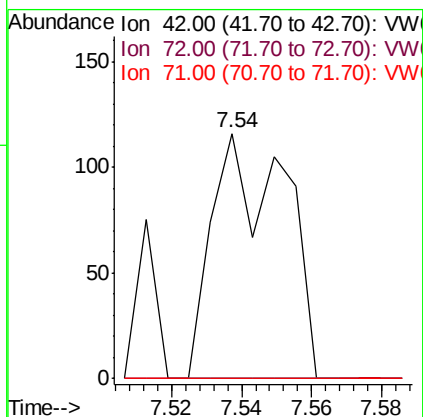
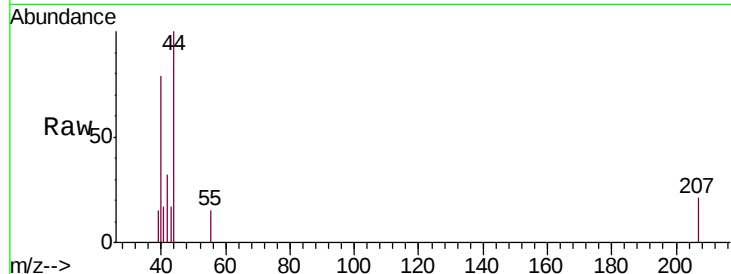




#29
Tetrahydrofuran
Concen: 1.481 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW010697.D
Acq: 05 Jun 2019 17:28

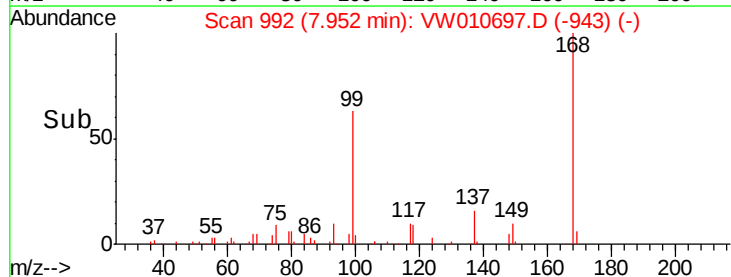
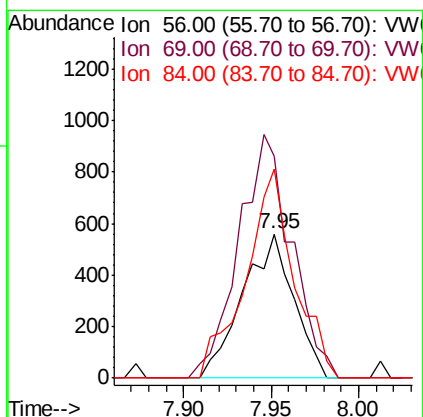
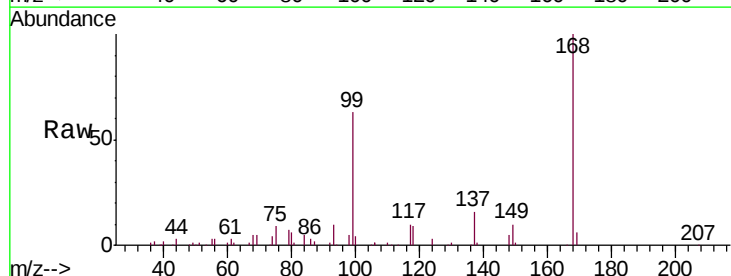
Instrument :
MSVOA_W
ClientSampleId :
B-06-2.5-3.0

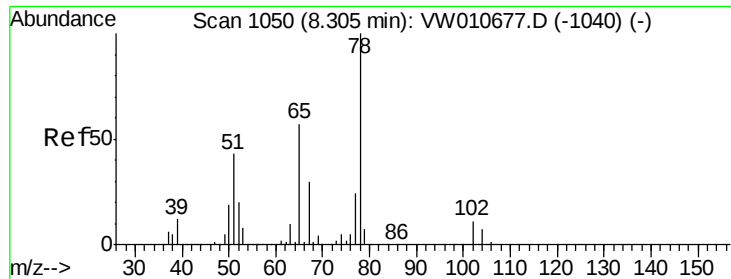
Tgt Ion: 42 Resp: 166
Ion Ratio Lower Upper
42 100
72 0.0 28.7 43.1#
71 0.0 26.6 39.8#



#31
Cyclohexane
Concen: 1.178 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW010697.D
Acq: 05 Jun 2019 17:28

Tgt Ion: 56 Resp: 1140
Ion Ratio Lower Upper
56 100
69 153.9 25.2 37.8#
84 144.6 62.2 93.2#





#33

1,2-Dichloroethane-d4

Concen: 52.923 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.01 min

Lab File: VW010697.D

Acq: 05 Jun 2019 17:28

Instrument :

MSVOA_W

ClientSampleId :

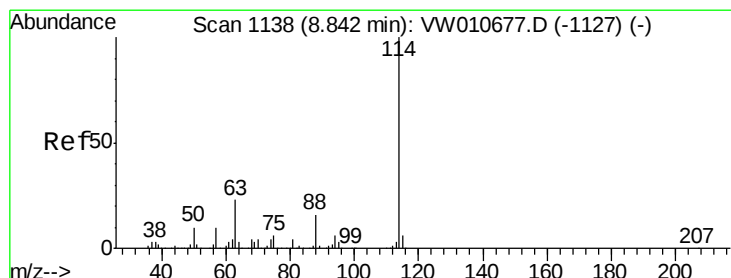
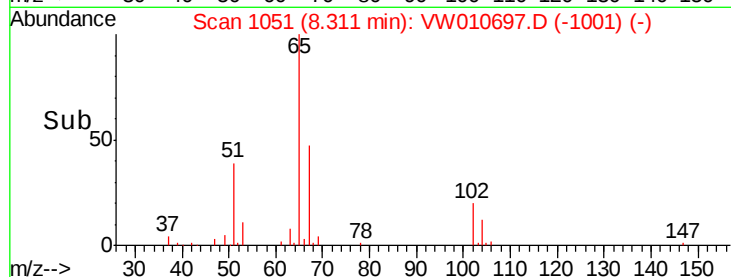
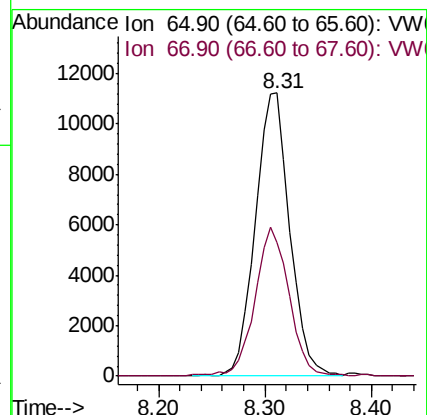
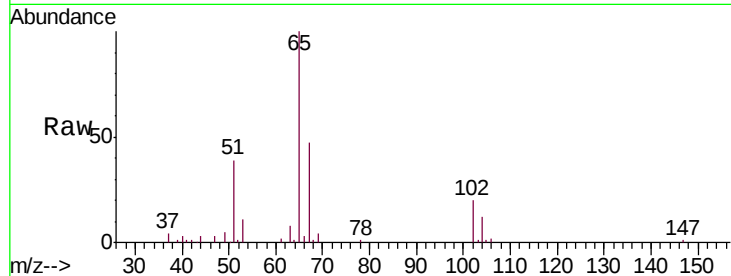
B-06-2.5-3.0

Tgt Ion: 65 Resp: 25388

Ion Ratio Lower Upper

65 100

67 52.4 0.0 102.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW010697.D

Acq: 05 Jun 2019 17:28

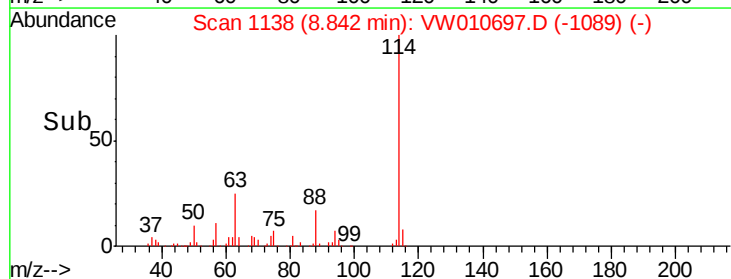
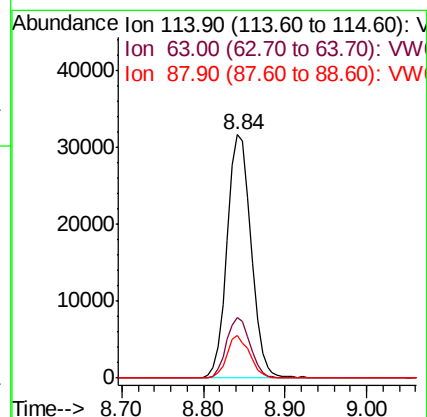
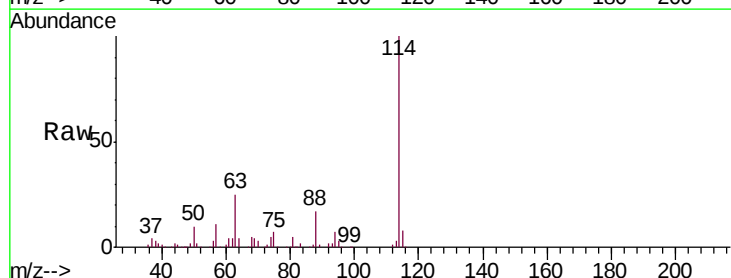
Tgt Ion: 114 Resp: 64425

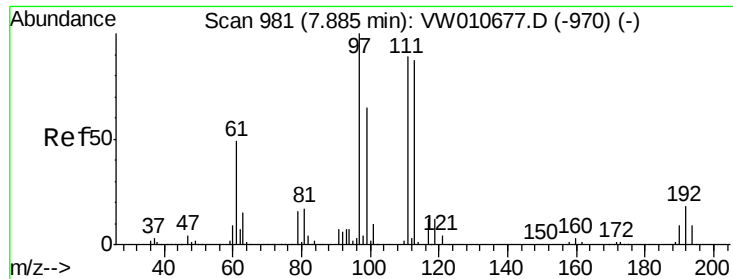
Ion Ratio Lower Upper

114 100

63 24.9 0.0 46.4

88 17.4 0.0 32.2

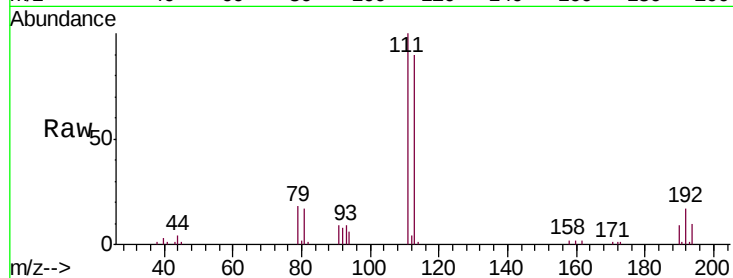




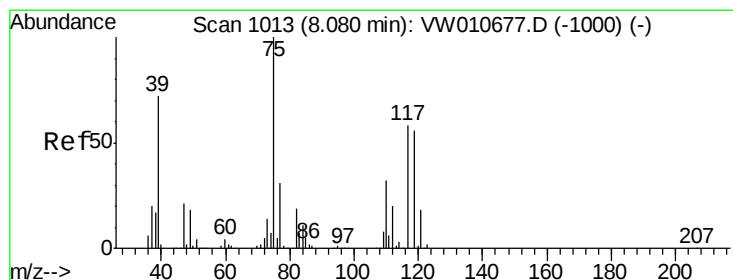
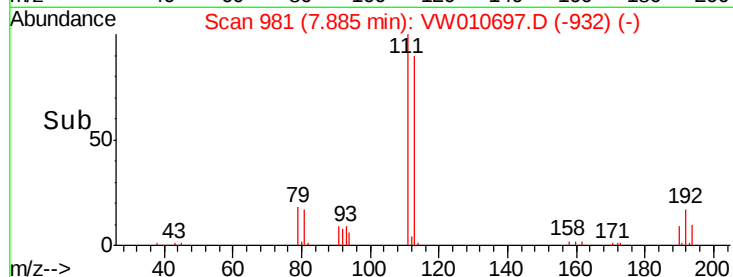
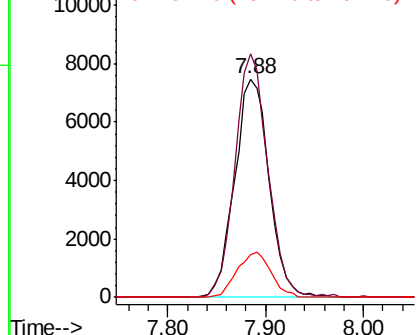
#35
 Dibromofluoromethane
 Concen: 52.273 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW010697.D
 Acq: 05 Jun 2019 17:28

Instrument :
 MSVOA_W
 ClientSampled :
 B-06-2.5-3.0

Tgt Ion:113 Resp: 18279
 Ion Ratio Lower Upper
 113 100
 111 105.9 82.6 123.8
 192 20.4 16.4 24.6

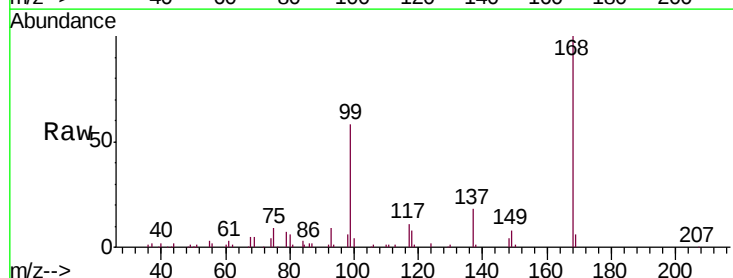


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

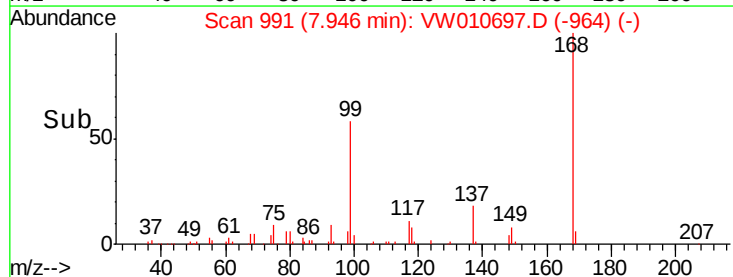
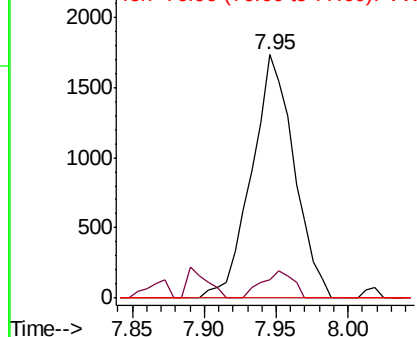


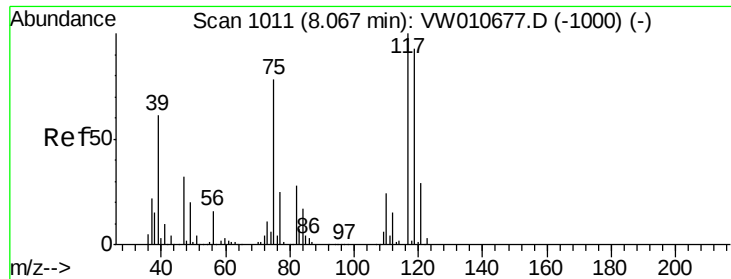
#36
 1,1-Dichloropropene
 Concen: 5.377 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW010697.D
 Acq: 05 Jun 2019 17:28

Tgt Ion: 75 Resp: 3546
 Ion Ratio Lower Upper
 75 100
 110 8.1 15.8 47.3#
 77 0.0 24.7 37.1#



Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VW

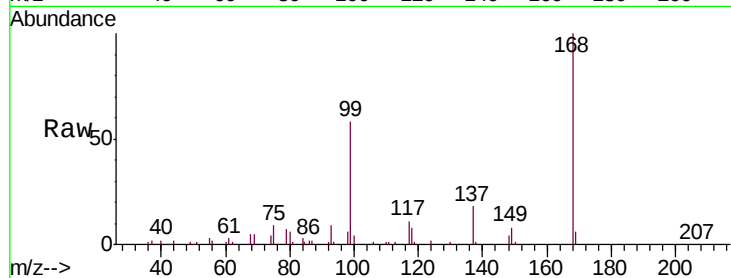




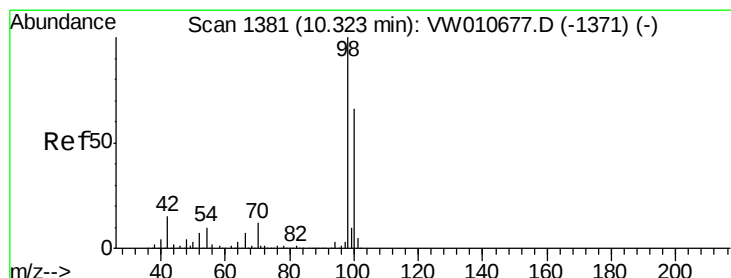
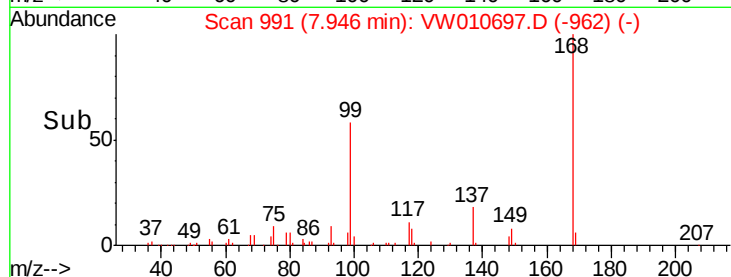
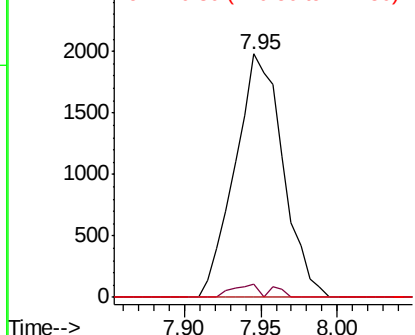
#38
Carbon Tetrachloride
Concen: 7.578 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW010697.D
Acq: 05 Jun 2019 17:28

Instrument :
MSVOA_W
ClientSampleId :
B-06-2.5-3.0

Tgt Ion: 117 Resp: 4314
Ion Ratio Lower Upper
117 100
119 5.2 74.2 111.4#
121 0.0 22.9 34.3#

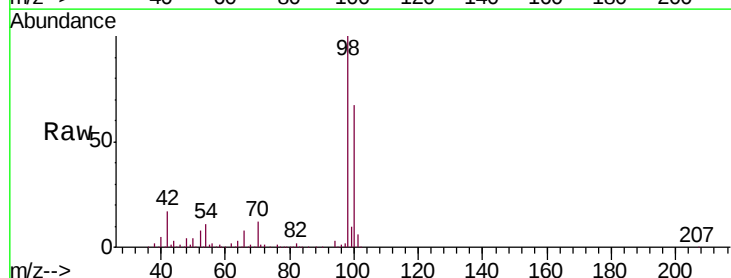


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

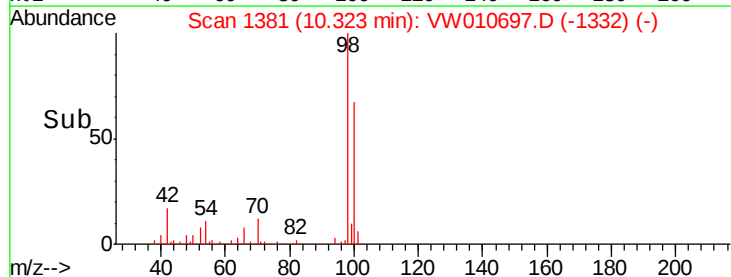
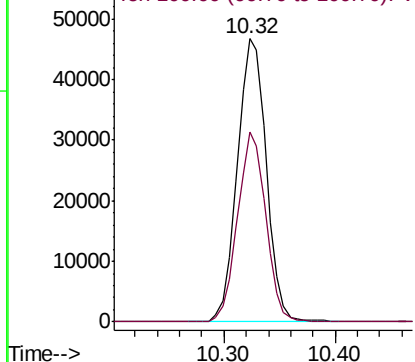


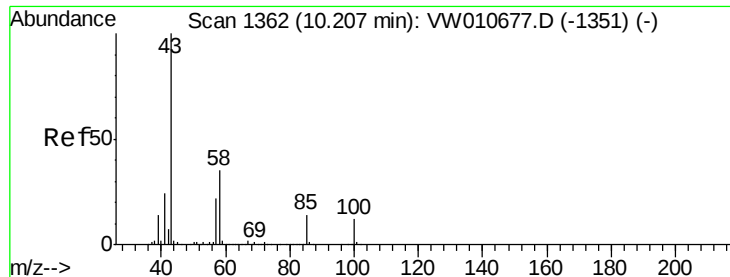
#50
Toluene-d8
Concen: 54.801 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW010697.D
Acq: 05 Jun 2019 17:28

Tgt Ion: 98 Resp: 84032
Ion Ratio Lower Upper
98 100
100 65.6 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 3.455 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW010697.D

Acq: 05 Jun 2019 17:28

Instrument :

MSVOA_W

ClientSampleId :

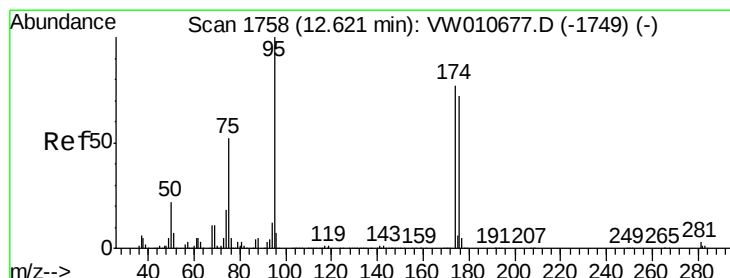
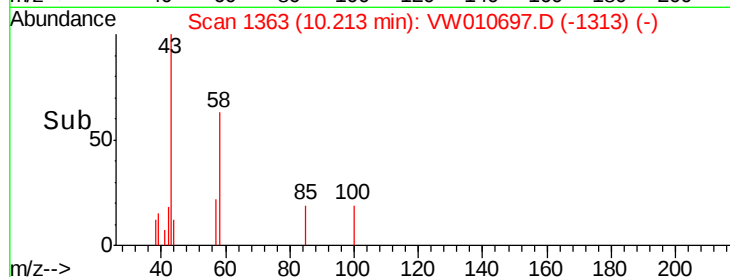
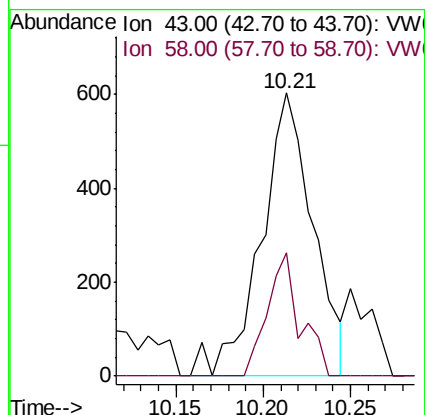
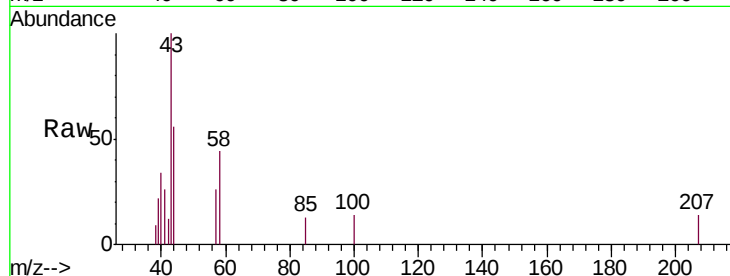
B-06-2.5-3.0

Tgt Ion: 43 Resp: 1246

Ion Ratio Lower Upper

43 100

58 27.5 28.4 42.6#



#62

4-Bromofluorobenzene

Concen: 52.166 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW010697.D

Acq: 05 Jun 2019 17:28

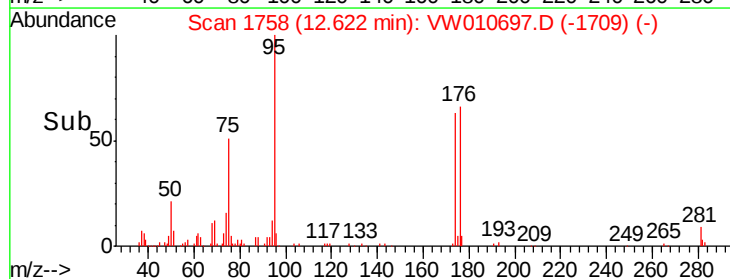
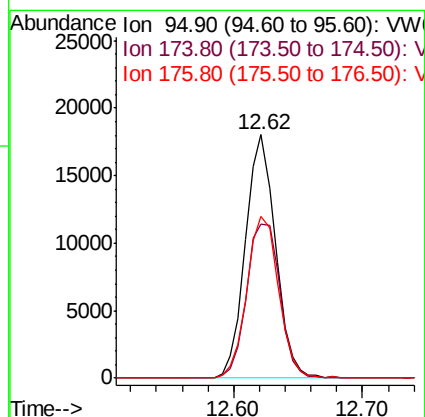
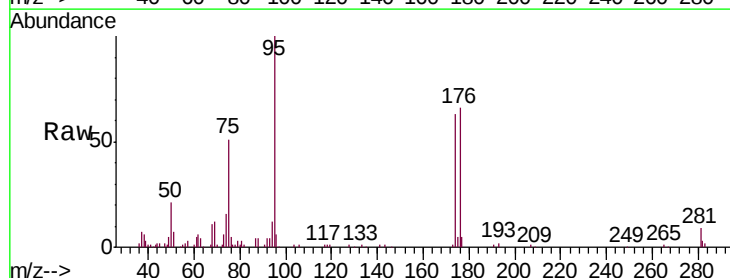
Tgt Ion: 95 Resp: 29108

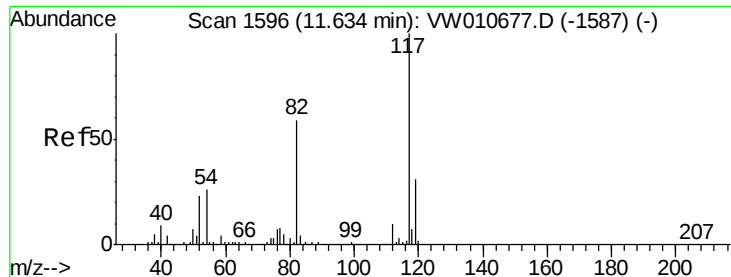
Ion Ratio Lower Upper

95 100

174 69.8 0.0 150.4

176 69.9 0.0 144.8

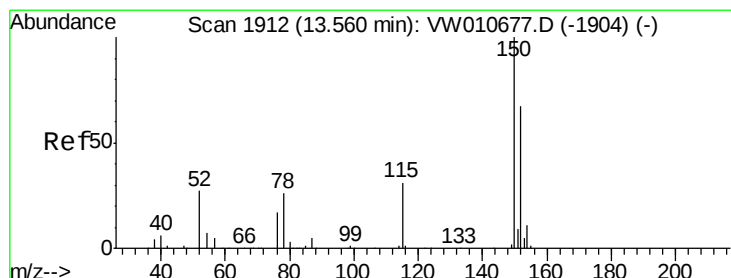
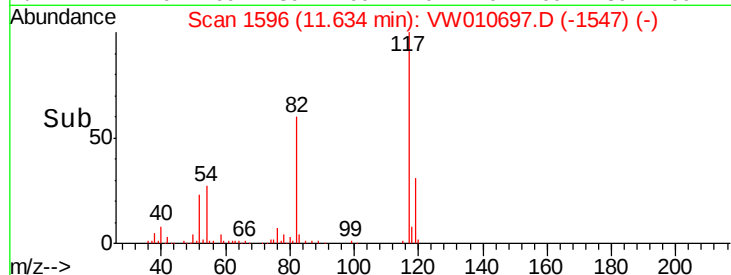
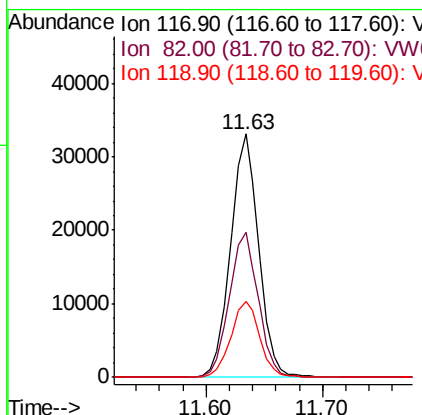
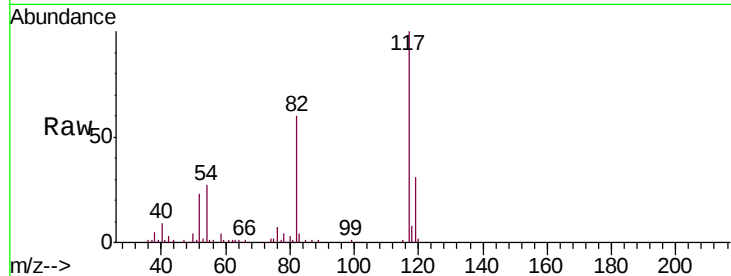




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW010697.D
Acq: 05 Jun 2019 17:28

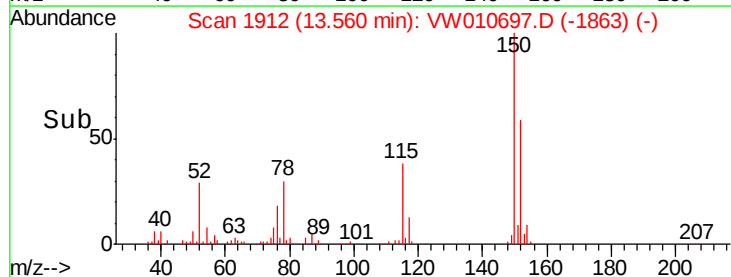
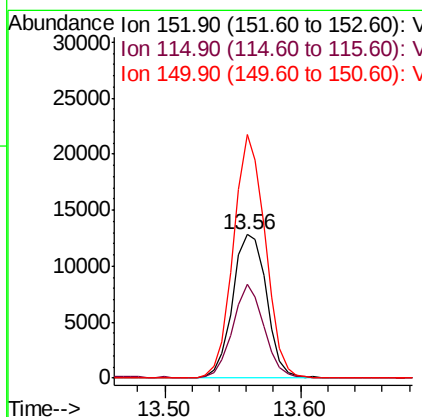
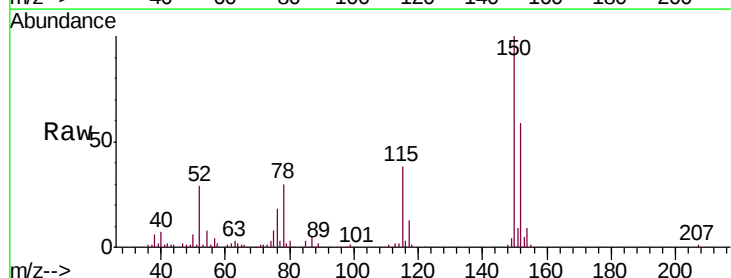
Instrument :
MSVOA_W
ClientSampleId :
B-06-2.5-3.0

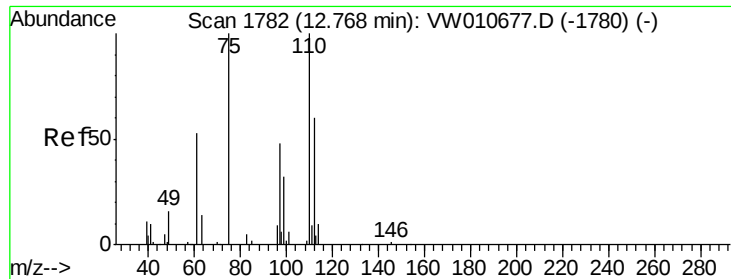
Tgt Ion:117 Resp: 55499
Ion Ratio Lower Upper
117 100
82 59.5 47.0 70.4
119 31.3 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW010697.D
Acq: 05 Jun 2019 17:28

Tgt Ion:152 Resp: 22332
Ion Ratio Lower Upper
152 100
115 60.0 29.8 89.3
150 158.8 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 63.868 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW010697.D

Acq: 05 Jun 2019 17:28

Instrument :

MSVOA_W

ClientSampleId :

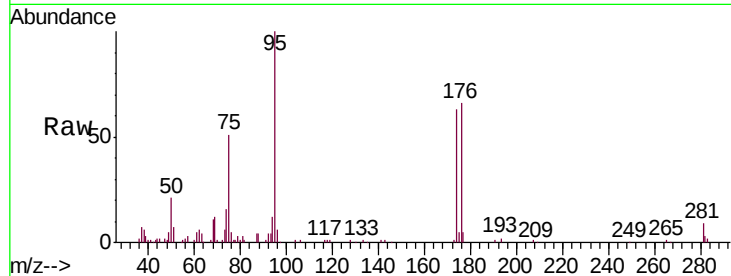
B-06-2.5-3.0

Tgt Ion: 75 Resp: 14978

Ion Ratio Lower Upper

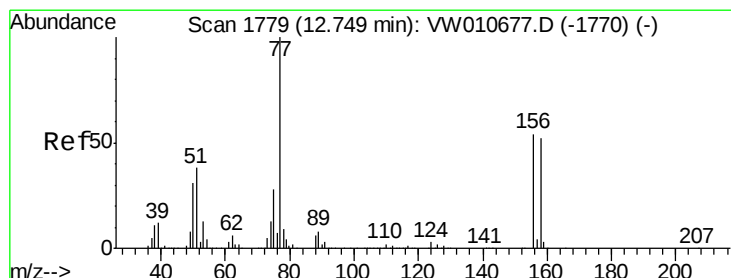
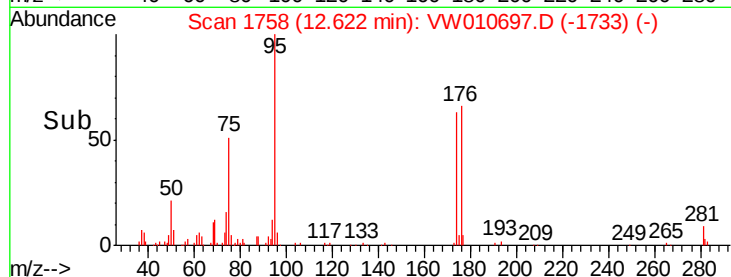
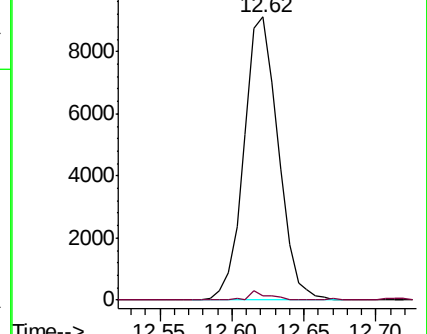
75 100

77 1.8 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW



#77

Bromobenzene

Concen: 3.047 ug/l

RT: 12.87 min Scan# 1798

Delta R.T. 0.12 min

Lab File: VW010697.D

Acq: 05 Jun 2019 17:28

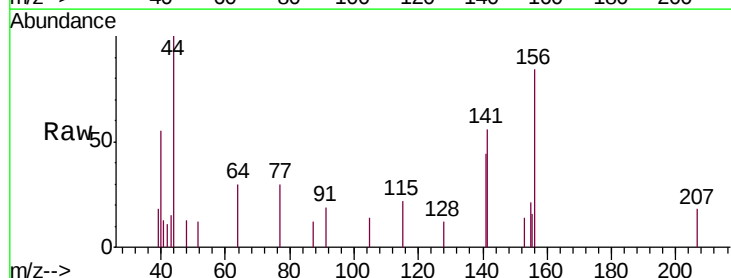
Tgt Ion: 156 Resp: 1116

Ion Ratio Lower Upper

156 100

77 26.8 106.5 319.4#

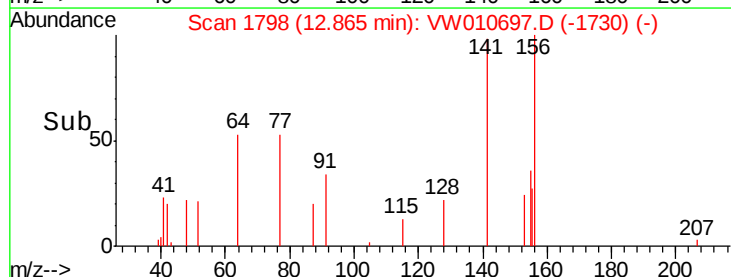
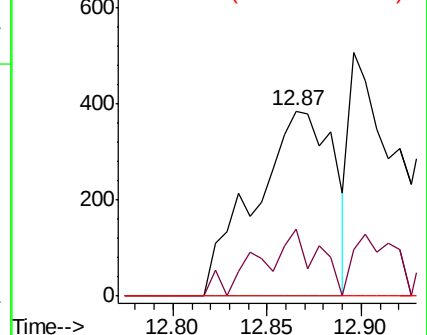
158 0.0 48.3 144.9#

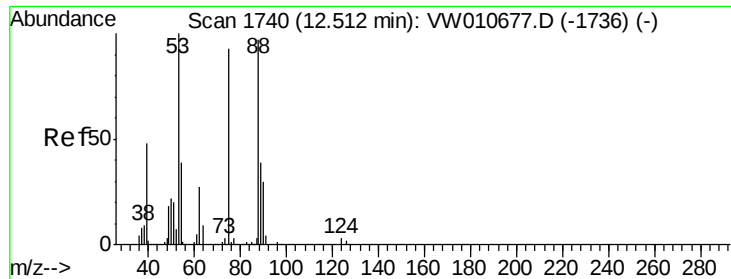


Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V

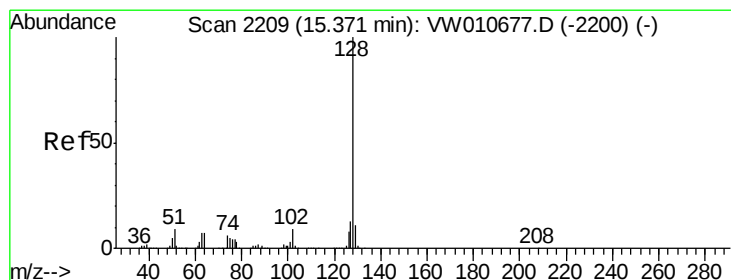
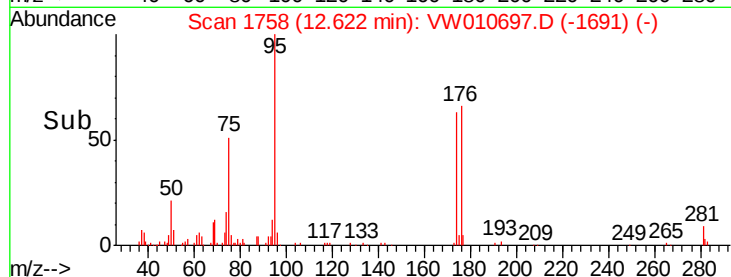
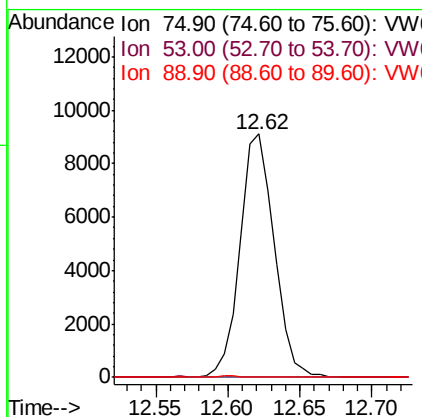
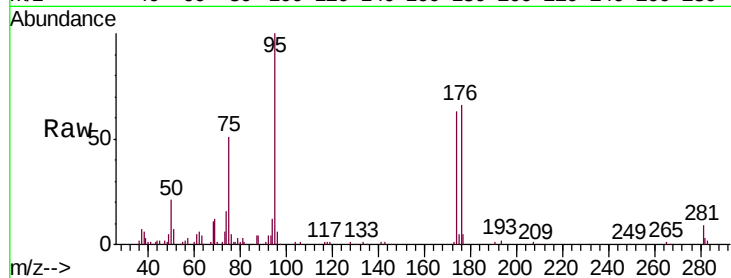




#81
trans-1,4-Dichloro-2-butene
Concen: 146.789 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.11 min
Lab File: VW010697.D
Acq: 05 Jun 2019 17:28

Instrument :
MSVOA_W
ClientSampleId :
B-06-2.5-3.0

Tgt Ion: 75 Resp: 14978
Ion Ratio Lower Upper
75 100
53 0.0 90.1 135.1#
89 0.3 34.6 52.0#



#95
Naphthalene
Concen: 1.128 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.01 min
Lab File: VW010697.D
Acq: 05 Jun 2019 17:28

Tgt Ion: 128 Resp: 914
Ion Ratio Lower Upper
128 100
127 10.2 10.6 15.8#
129 10.4 8.6 13.0

