

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072318\
 Data File : VW004137.D
 Acq On : 23 Jul 2018 15:11
 Operator : SY/AP
 Sample : J4030-07
 Misc : 6.89G/5ML/MSVOA W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 24 04:44:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W071618S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 16 15:06:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	215833	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	358391	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	278643	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	87393	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	42440	17.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	35.18%	
35) Dibromofluoromethane	7.88	113	33558	14.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	29.18%	
50) Toluene-d8	10.33	98	113023	12.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	25.34%	
62) 4-Bromofluorobenzene	12.62	95	29279	9.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.20%	

Target Compounds

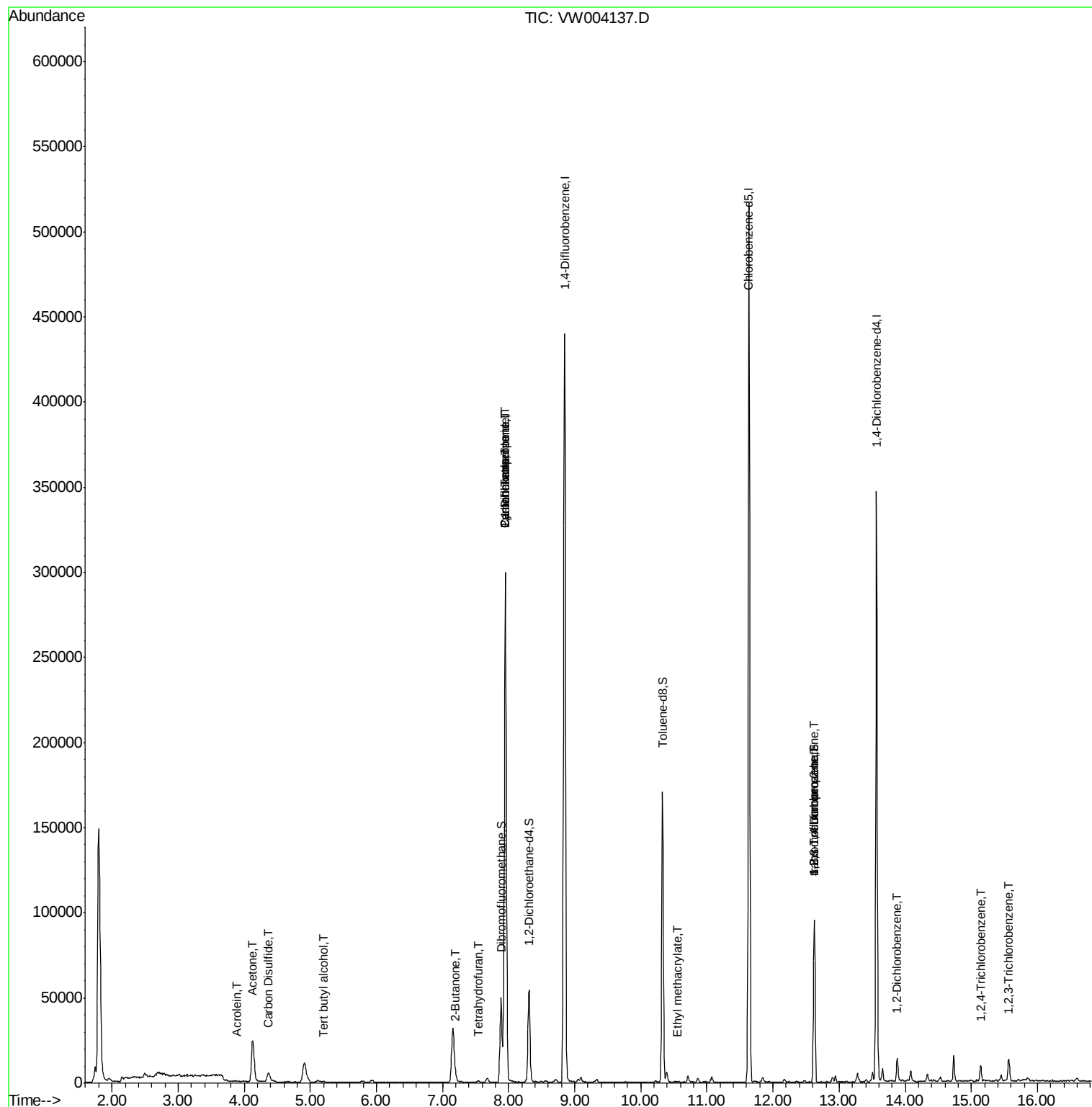
					Qvalue
11) Tert butyl alcohol	5.20	59	356	2.138 ug/l #	72
13) Acrolein	3.89	56	185	1.081 ug/l #	45
16) Acetone	4.13	43	43826	75.596 ug/l	99
17) Carbon Disulfide	4.36	76	12649	1.932 ug/l	97
20) Methylene Chloride	4.91	84	10085	Below Cal	96
25) 2-Butanone	7.20	43	7115	9.120 ug/l	91
29) Tetrahydrofuran	7.54	42	598	1.231 ug/l #	69
31) Cyclohexane	7.95	56	5261	1.315 ug/l #	1
36) 1,1-Dichloropropene	7.95	75	17840	4.838 ug/l #	50
38) Carbon Tetrachloride	7.95	117	21202	6.154 ug/l #	17
56) Ethyl methacrylate	10.55	69	20	2.953 ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	14939	17.219 ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	14939	38.087 ug/l #	11
91) 1,2-Dichlorobenzene	13.87	146	3407	1.296 ug/l	97
93) 1,2,4-Trichlorobenzene	15.15	180	2858	1.548 ug/l	96
96) 1,2,3-Trichlorobenzene	15.57	180	2803	1.714 ug/l	98

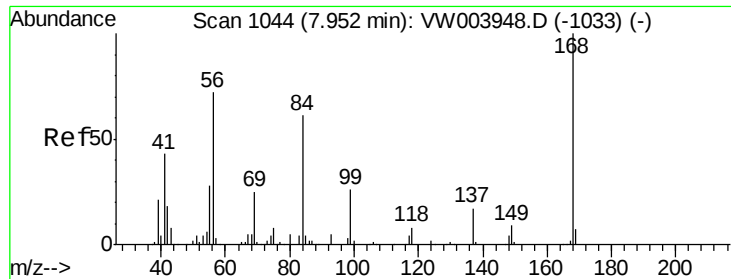
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW004137.D

Acq: 23 Jul 2018 15:11

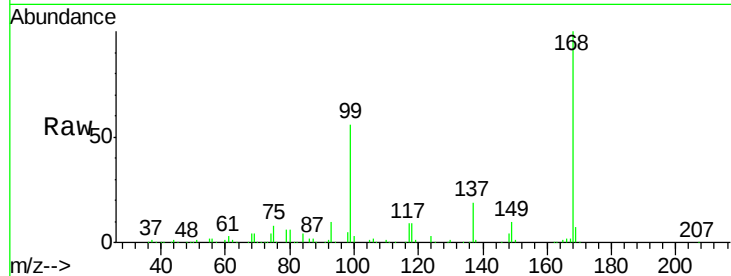
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 215833

Ion Ratio Lower Upper

168 100

99 55.5 43.8 65.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

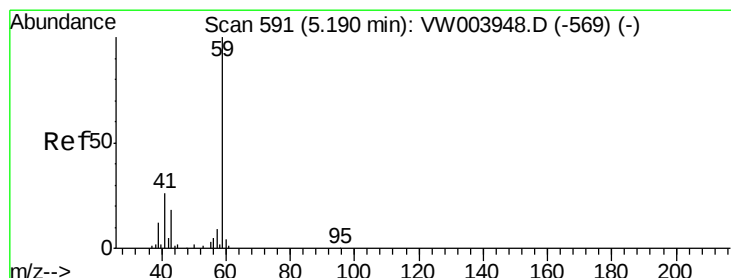
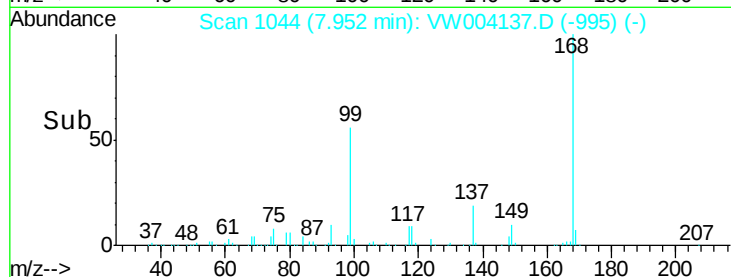
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 2.138 ug/l

RT: 5.20 min Scan# 592

Delta R.T. 0.01 min

Lab File: VW004137.D

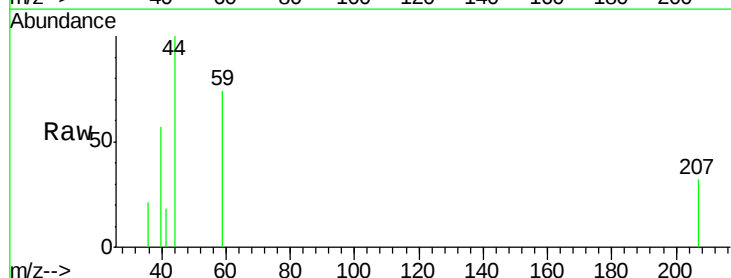
Acq: 23 Jul 2018 15:11

Tgt Ion: 59 Resp: 356

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.20

250

200

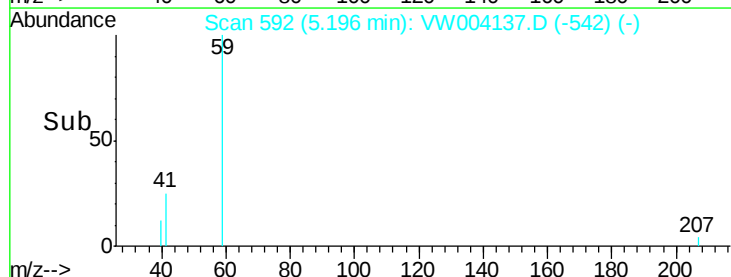
150

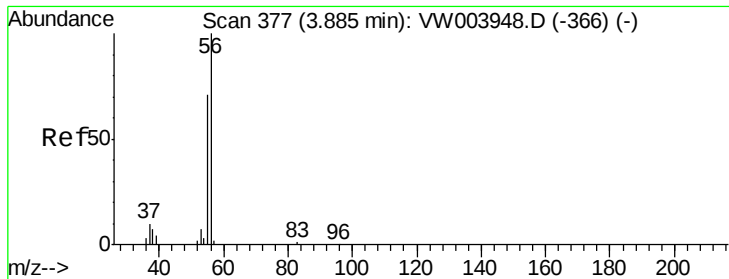
100

50

0

Time-->





#13

Acrolein

Concen: 1.081 ug/l

RT: 3.89 min Scan# 378

Delta R.T. 0.01 min

Lab File: VW004137.D

Acq: 23 Jul 2018 15:11

Instrument :

MSVOA_W

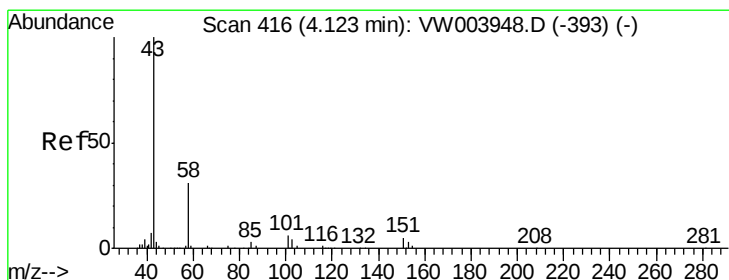
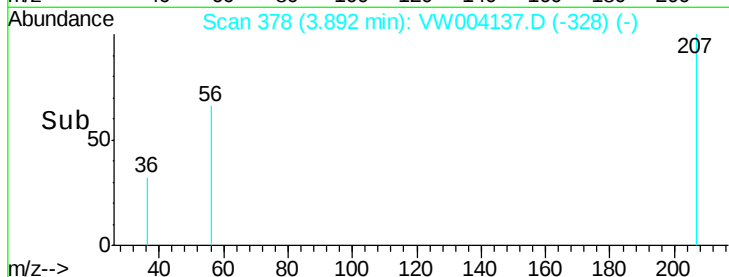
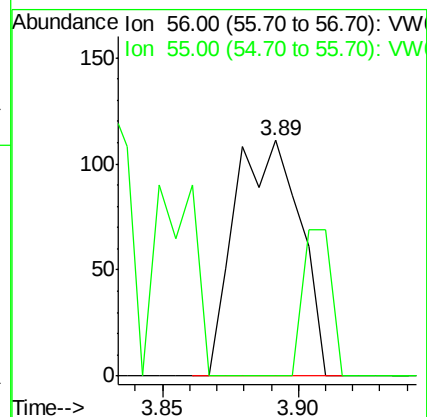
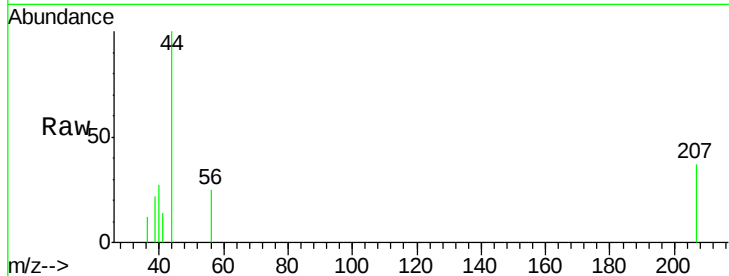
ClientSampled :

Tot Ion: 56 Resp: 185

Ion Ratio Lower Upper

56 100

55 27.0 58.2 87.4#



#16

Acetone

Concen: 75.596 ug/l

RT: 4.13 min Scan# 417

Delta R.T. 0.01 min

Lab File: VW004137.D

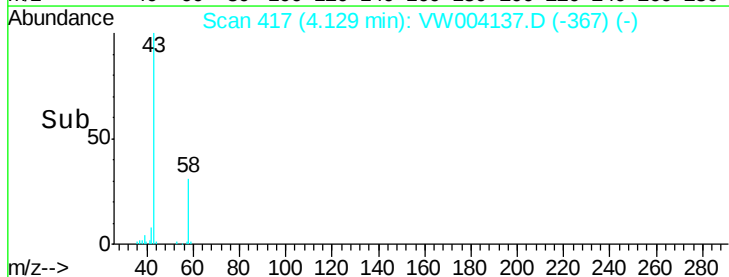
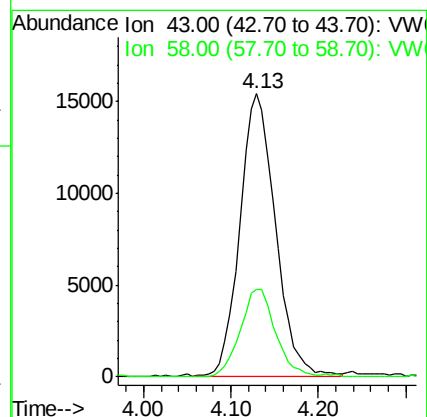
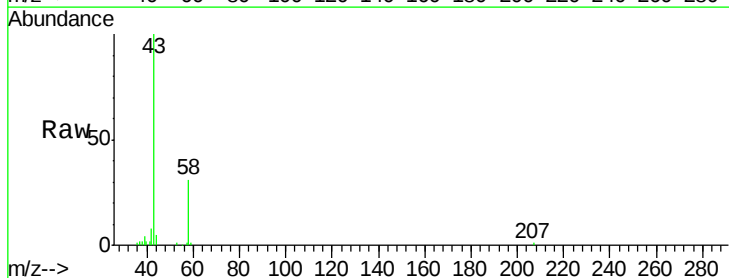
Acq: 23 Jul 2018 15:11

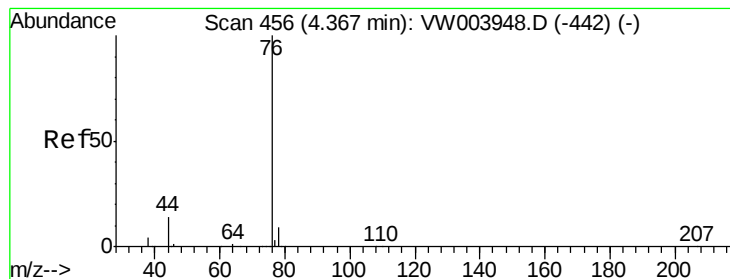
Tgt Ion: 43 Resp: 43826

Ion Ratio Lower Upper

43 100

58 30.9 24.5 36.7





#17

Carbon Disulfide

Concen: 1.932 ug/l

RT: 4.36 min Scan# 455

Delta R.T. -0.01 min

Lab File: VW004137.D

Acq: 23 Jul 2018 15:11

Instrument :

MSVOA_W

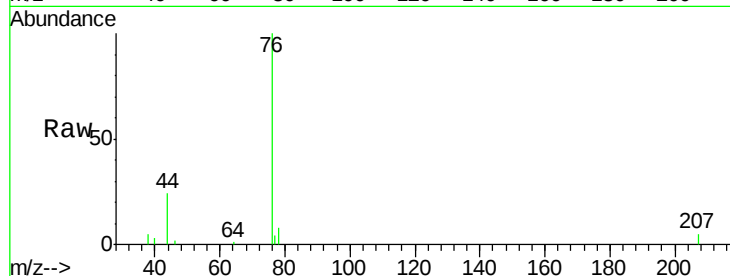
ClientSampleId :

Tot Ion: 76 Resp: 12649

Ion Ratio Lower Upper

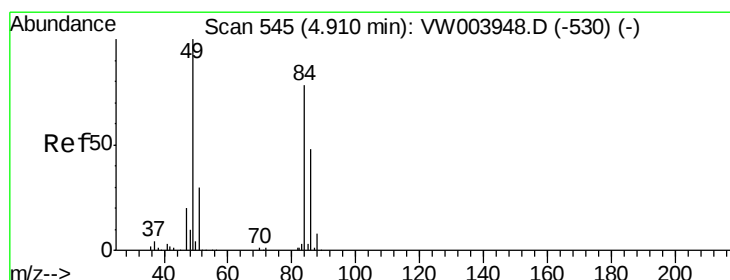
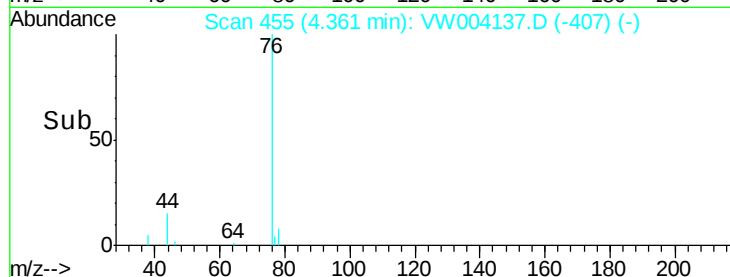
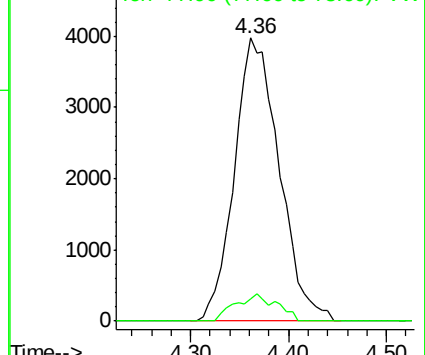
76 100

78 7.7 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#20

Methylene Chloride

Concen: Below Cal

RT: 4.91 min Scan# 545

Delta R.T. 0.00 min

Lab File: VW004137.D

Acq: 23 Jul 2018 15:11

Tgt Ion: 84 Resp: 10085

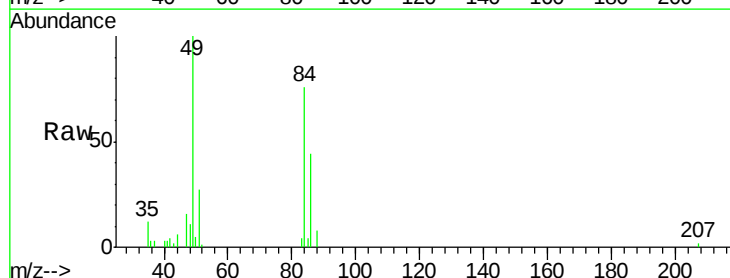
Ion Ratio Lower Upper

84 100

49 132.2 102.9 154.3

51 35.5 30.9 46.3

86 58.2 49.9 74.9

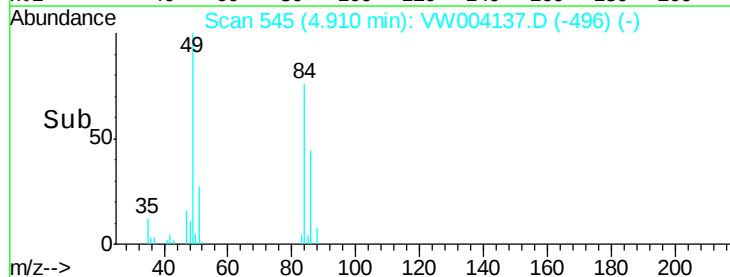
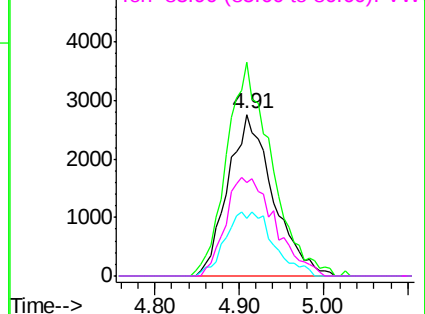


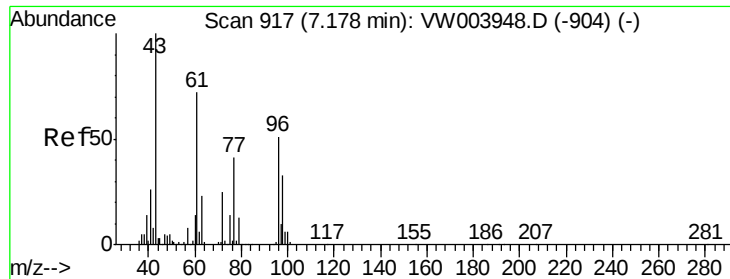
Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW





#25

2-Butanone

Concen: 9.120 ug/l

RT: 7.20 min Scan# 920

Delta R.T. 0.02 min

Lab File: VW004137.D

Acq: 23 Jul 2018 15:11

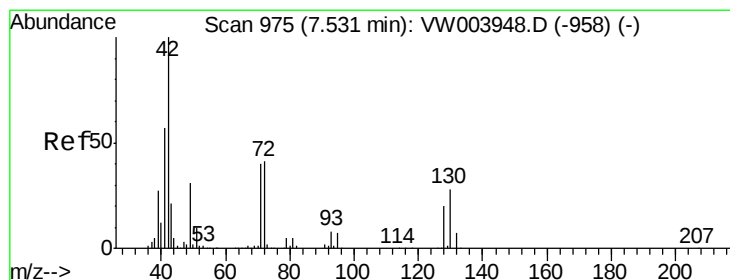
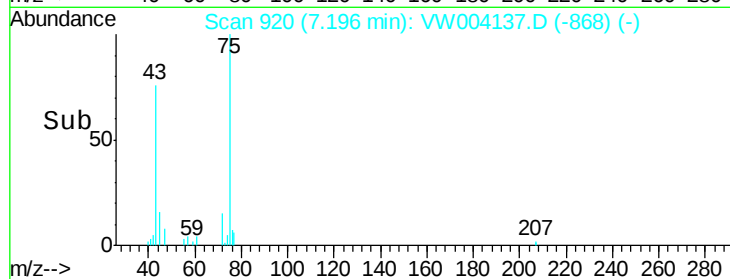
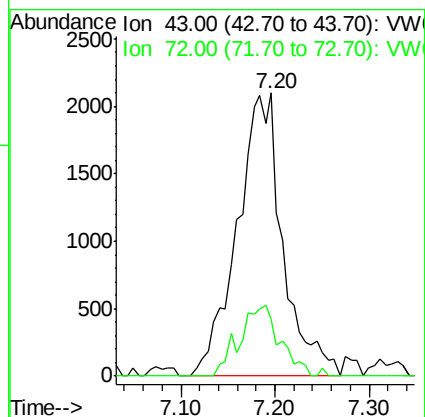
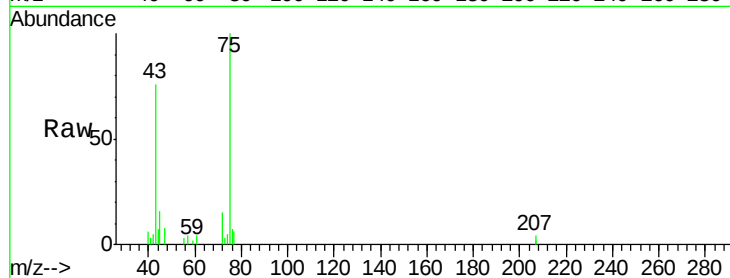
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 7115

Ion Ratio Lower Upper

43 100

72 20.3 19.8 29.6



#29

Tetrahydrofuran

Concen: 1.231 ug/l

RT: 7.54 min Scan# 977

Delta R.T. 0.01 min

Lab File: VW004137.D

Acq: 23 Jul 2018 15:11

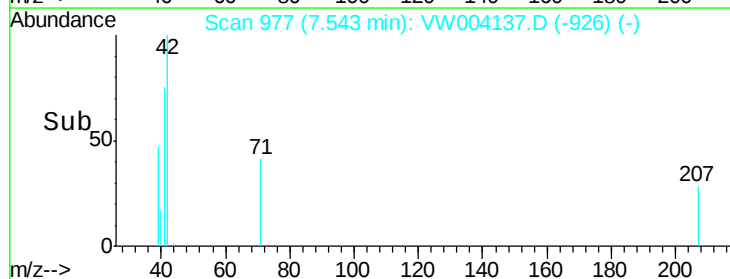
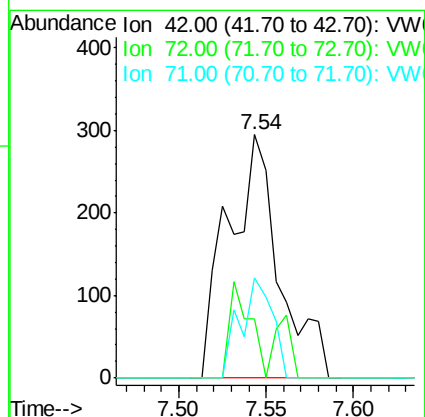
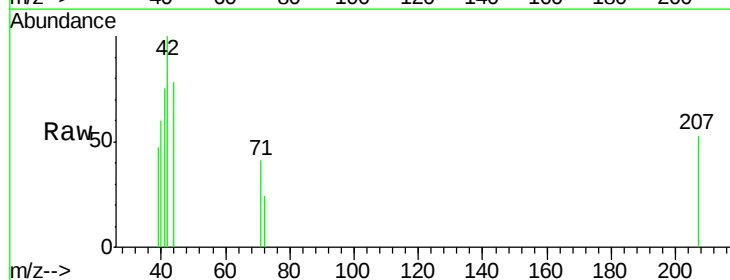
Tgt Ion: 42 Resp: 598

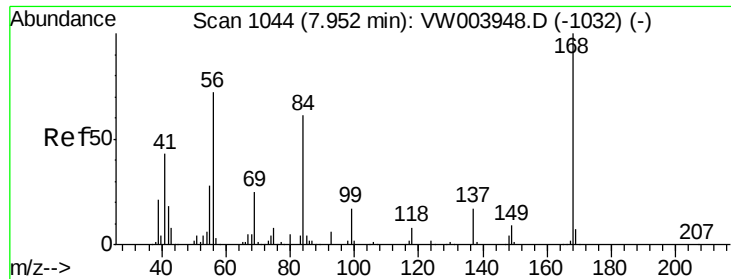
Ion Ratio Lower Upper

42 100

72 15.7 32.6 48.8#

71 25.6 30.5 45.7#

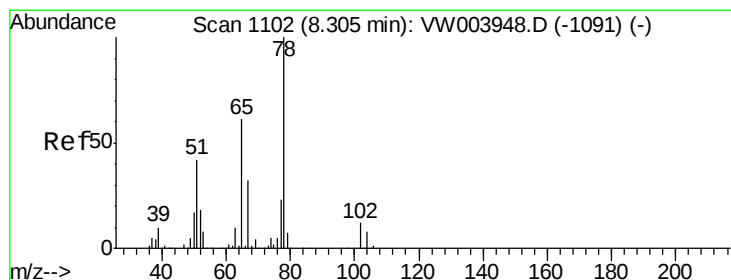
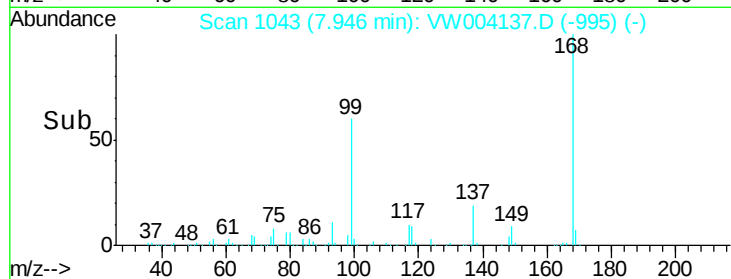
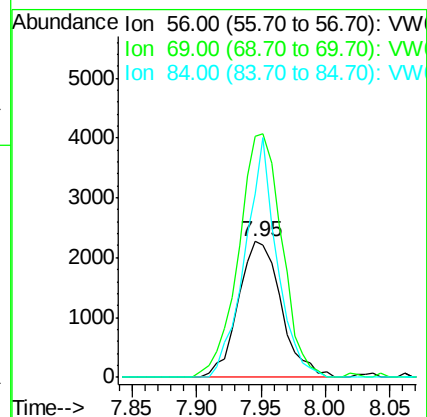
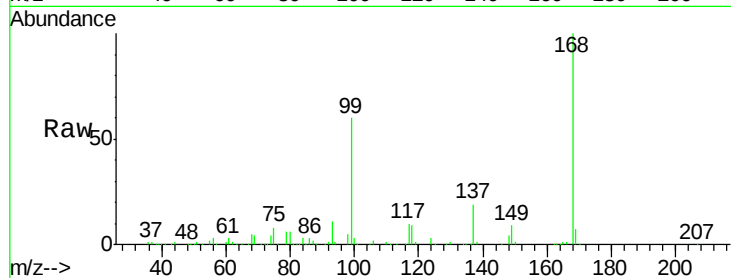




#31
Cyclohexane
Concen: 1.315 ug/l
RT: 7.95 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VW004137.D
Acq: 23 Jul 2018 15:11

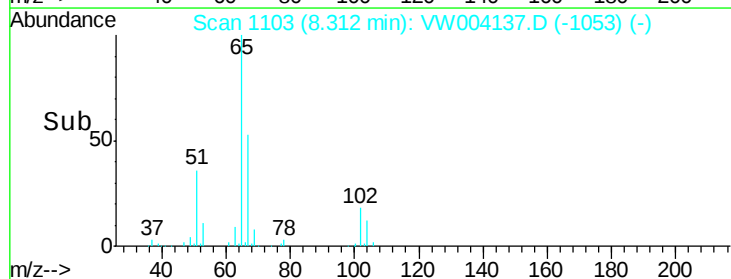
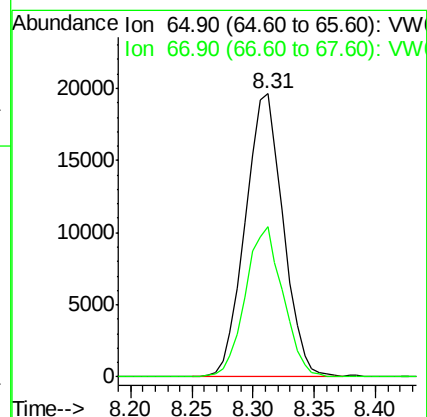
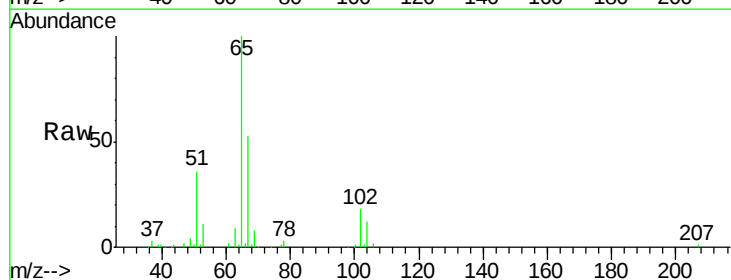
Instrument :
MSVOA_W
ClientSampleId :

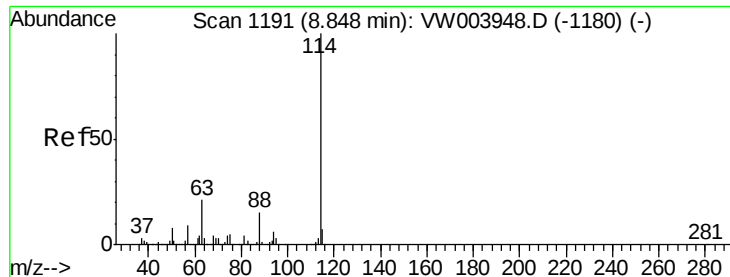
Tot Ion: 56 Resp: 5261
Ion Ratio Lower Upper
56 100
69 176.8 27.8 41.8#
84 139.7 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 17.591 ug/l
RT: 8.31 min Scan# 1103
Delta R.T. 0.01 min
Lab File: VW004137.D
Acq: 23 Jul 2018 15:11

Tgt Ion: 65 Resp: 42440
Ion Ratio Lower Upper
65 100
67 52.6 0.0 105.0

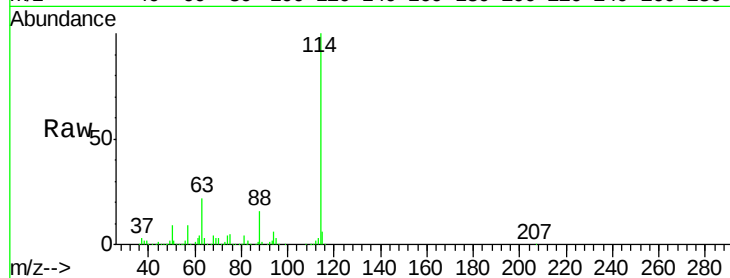




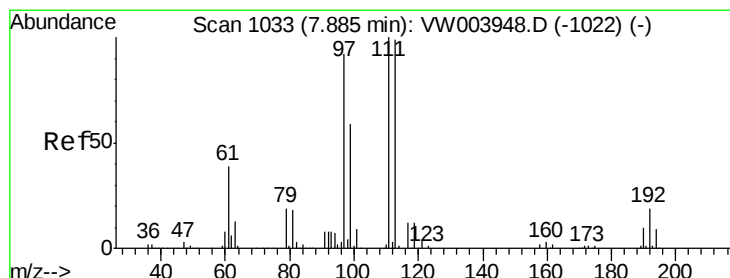
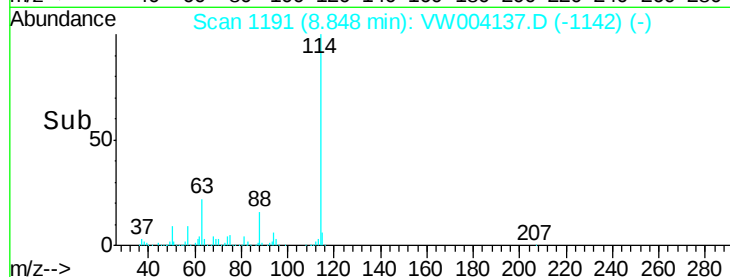
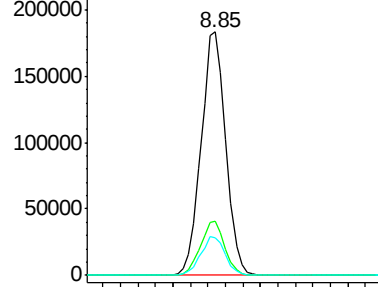
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW004137.D
 Acq: 23 Jul 2018 15:11

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	22.2	0.0	42.8
88	15.5	0.0	30.4

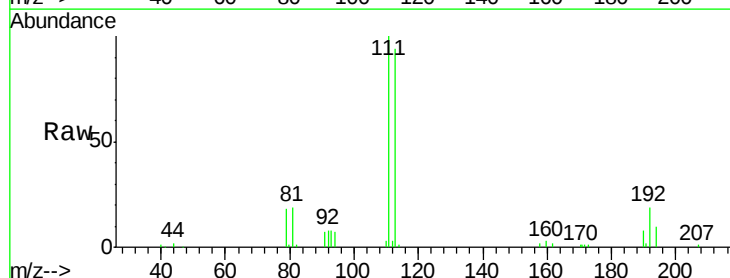


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VV
 Ion 87.90 (87.60 to 88.60): VV

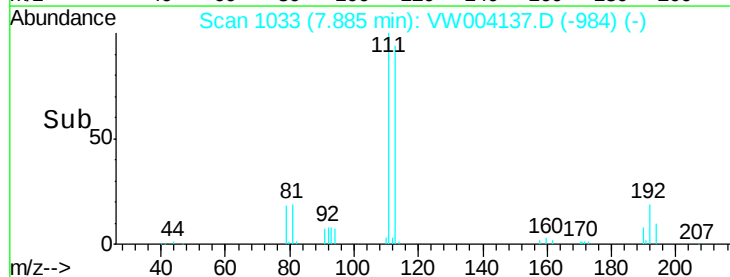
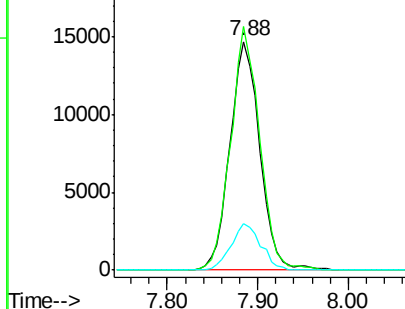


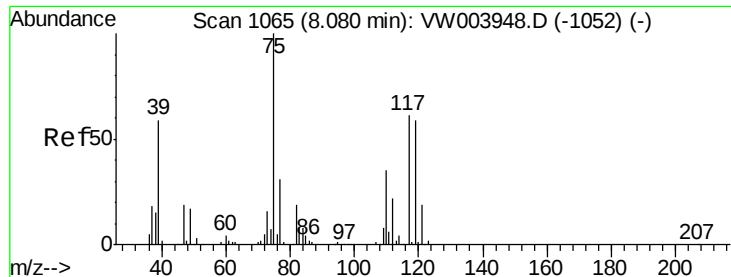
#35
 Dibromofluoromethane
 Concen: 14.593 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW004137.D
 Acq: 23 Jul 2018 15:11

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.6	81.3	121.9
192	20.0	15.8	23.6



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: 4.838 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.13 min

Lab File: VW004137.D

Acq: 23 Jul 2018 15:11

Instrument :
MSVOA_W
ClientSampleId :

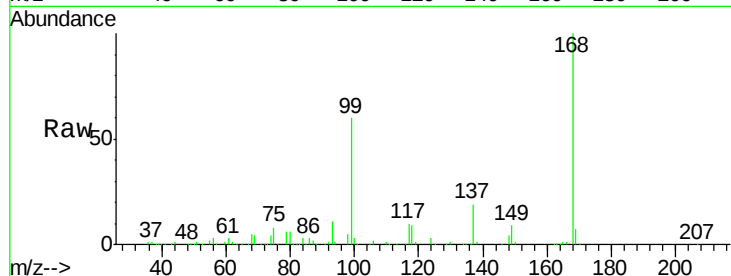
Tot Ion: 75 Resp: 17840

Ion Ratio Lower Upper

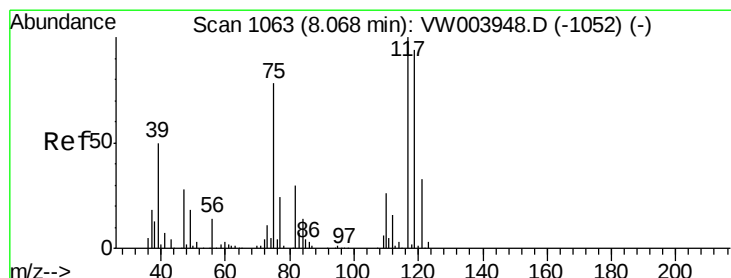
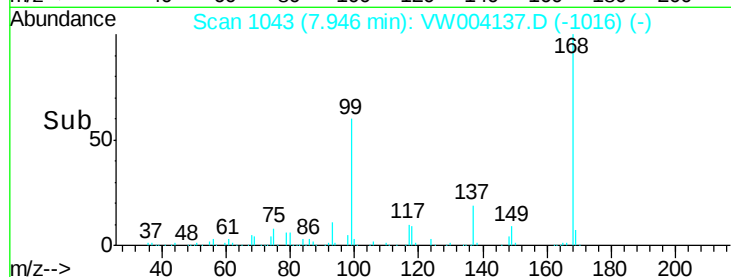
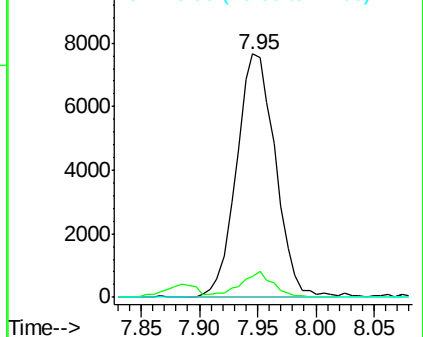
75 100

110 9.1 17.0 51.0#

77 0.0 24.9 37.3#



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: 6.154 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW004137.D

Acq: 23 Jul 2018 15:11

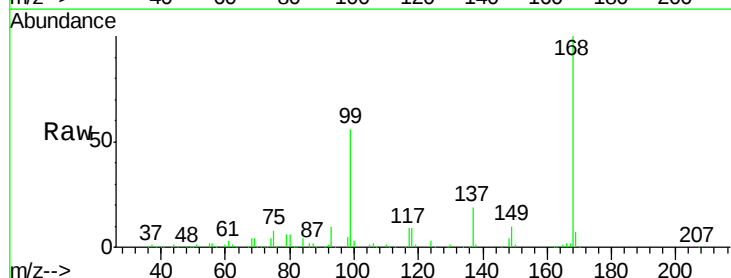
Tgt Ion: 117 Resp: 21202

Ion Ratio Lower Upper

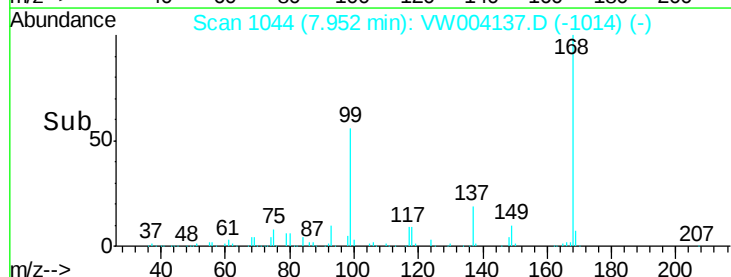
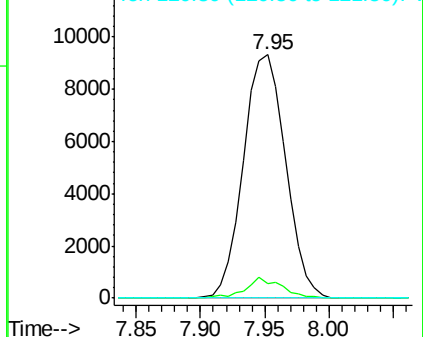
117 100

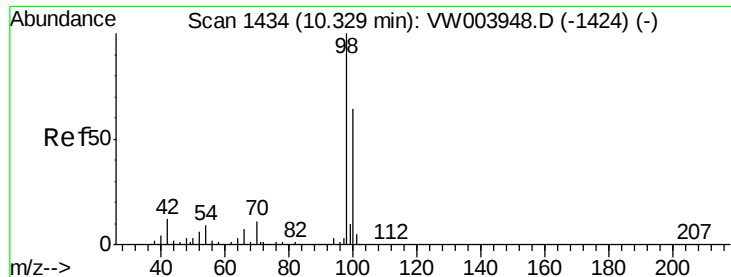
119 6.1 75.3 112.9#

121 0.0 26.0 39.0#



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

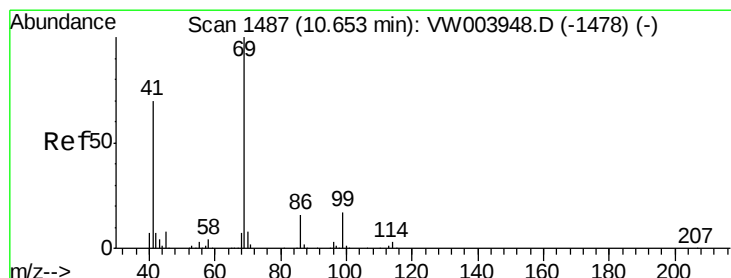
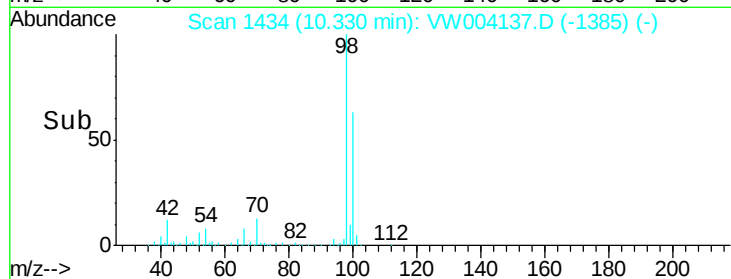
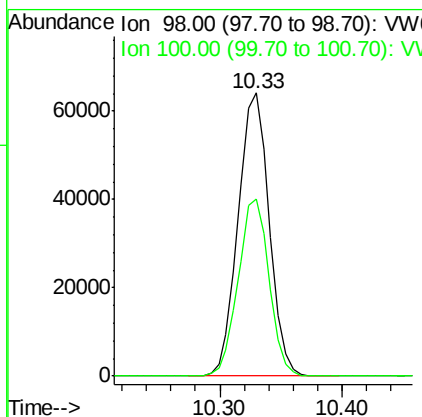
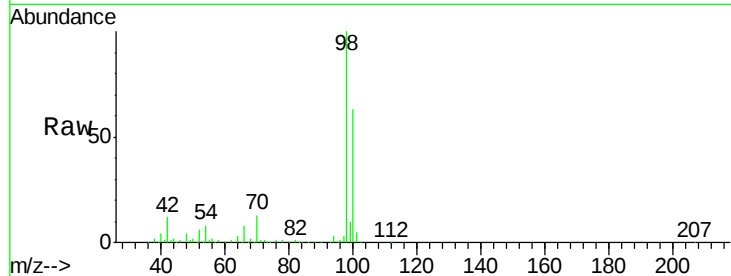




#50
Toluene-d8
Concen: 12.667 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VW004137.D
Acq: 23 Jul 2018 15:11

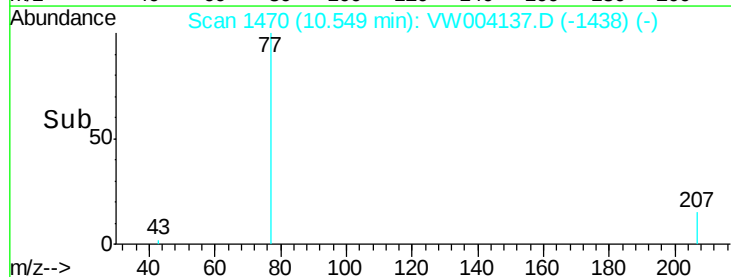
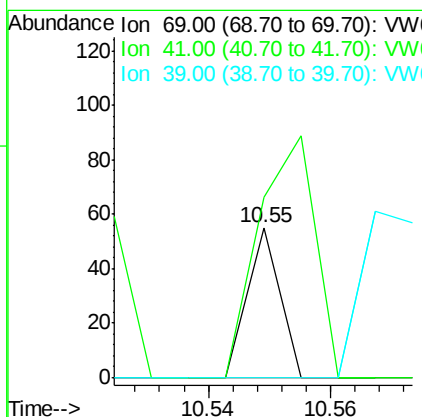
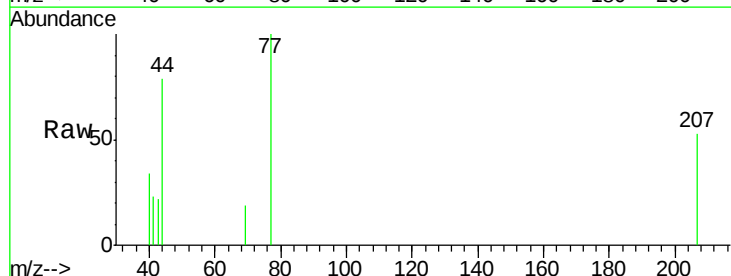
Instrument :
MSVOA_W
ClientSampleId :

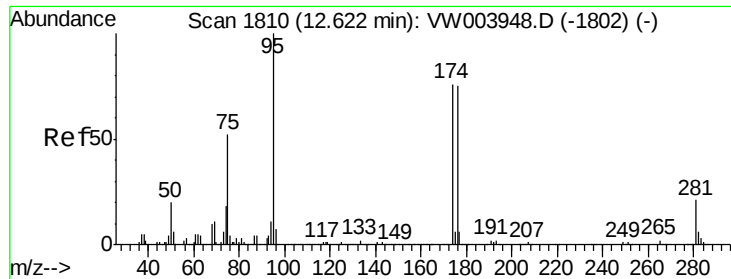
Tot Ion: 98 Resp: 113023
Ion Ratio Lower Upper
98 100
100 62.3 51.2 76.8



#56
Ethyl methacrylate
Concen: 2.953 ug/l
RT: 10.55 min Scan# 1470
Delta R.T. -0.10 min
Lab File: VW004137.D
Acq: 23 Jul 2018 15:11

Tgt Ion: 69 Resp: 20
Ion Ratio Lower Upper
69 100
41 285.0 56.5 84.7#
39 215.0 30.2 45.4#

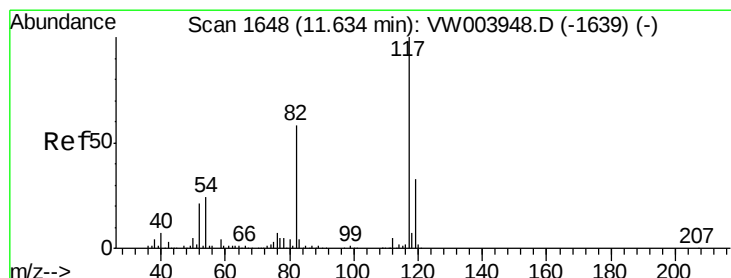
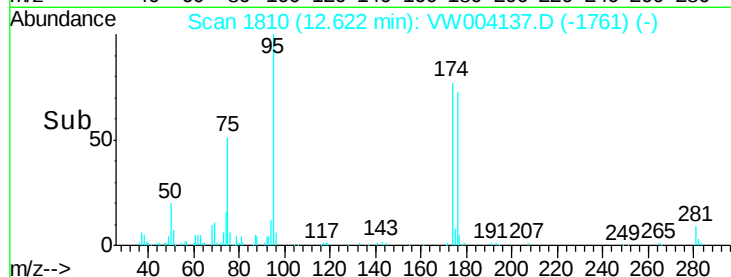
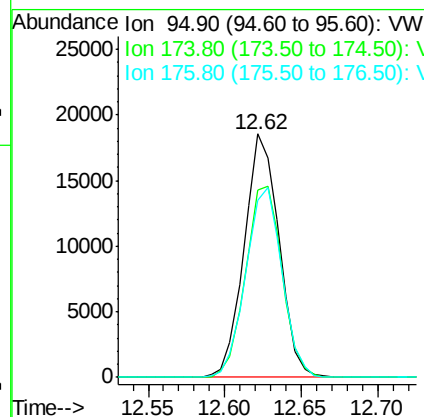
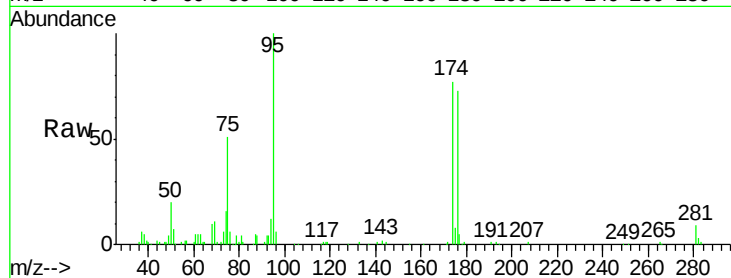




#62
4-Bromofluorobenzene
Concen: 9.100 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VW004137.D
Acq: 23 Jul 2018 15:11

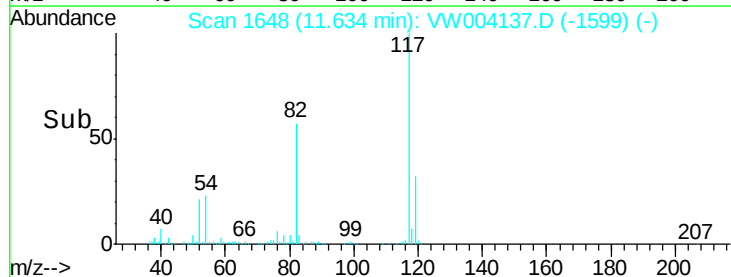
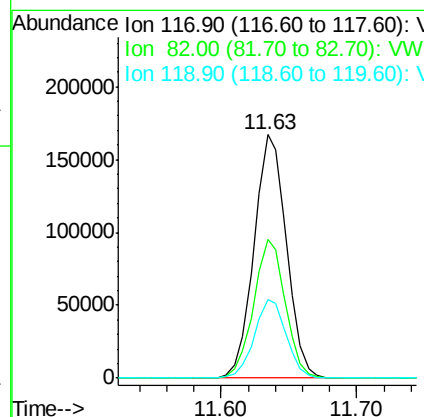
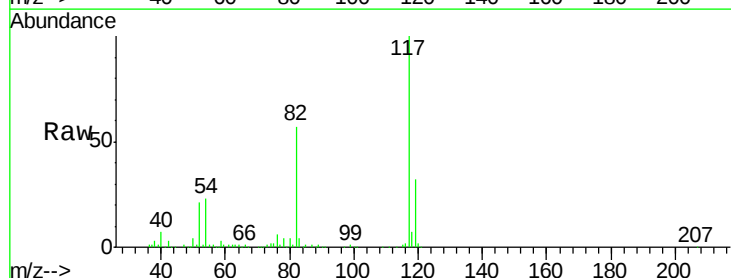
Instrument :
MSVOA_W
ClientSampleId :

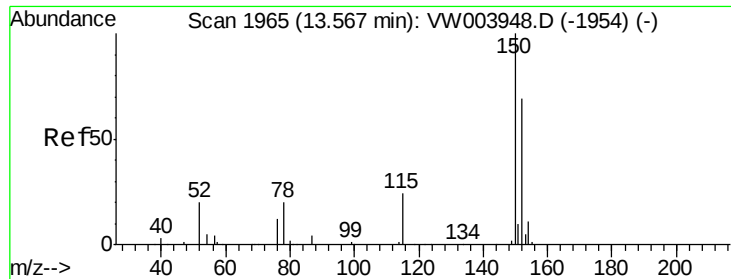
Tot Ion: 95 Resp: 29279
Ion Ratio Lower Upper
95 100
174 82.3 0.0 160.2
176 81.0 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW004137.D
Acq: 23 Jul 2018 15:11

Tgt Ion: 117 Resp: 278643
Ion Ratio Lower Upper
117 100
82 56.7 46.5 69.7
119 32.3 26.2 39.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VW004137.D

Acq: 23 Jul 2018 15:11

Instrument :

MSVOA_W

ClientSampleId :

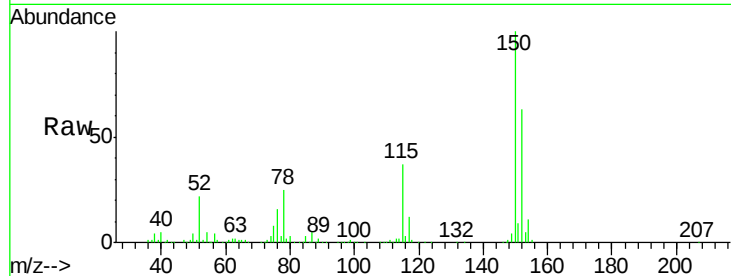
Tot Ion:152 Resp: 87393

Ion Ratio Lower Upper

152 100

115 59.8 29.2 87.6

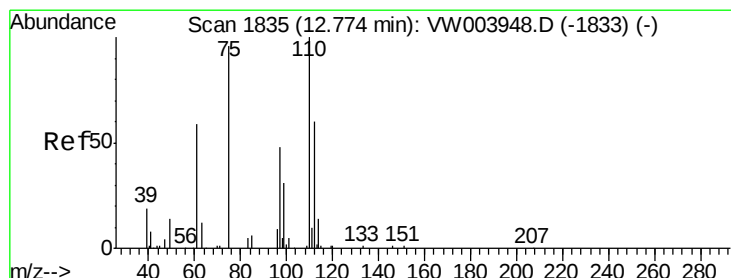
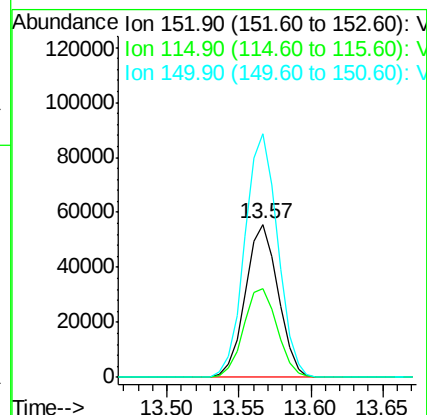
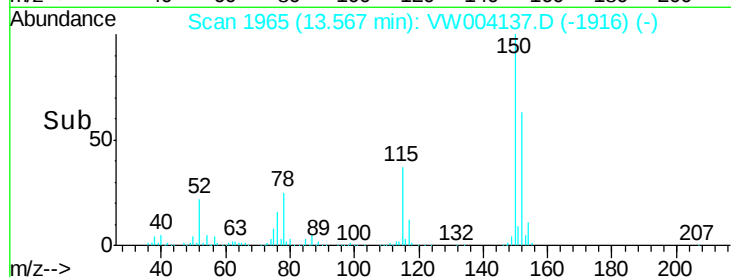
150 160.2 0.0 345.2



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



#76

1,2,3-Trichloropropane

Concen: 17.219 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW004137.D

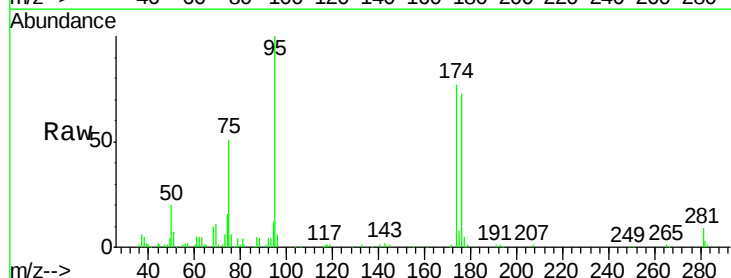
Acq: 23 Jul 2018 15:11

Tgt Ion: 75 Resp: 14939

Ion Ratio Lower Upper

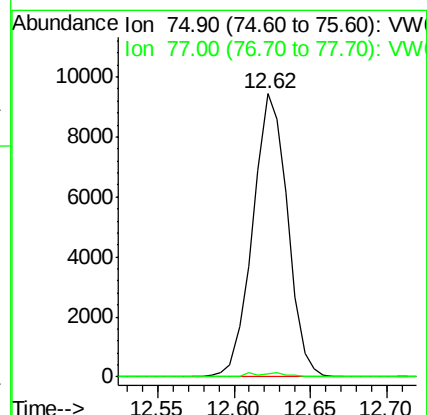
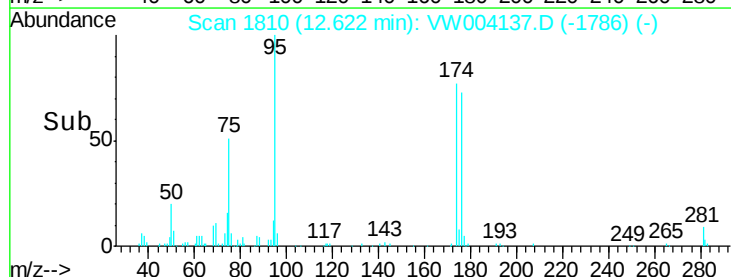
75 100

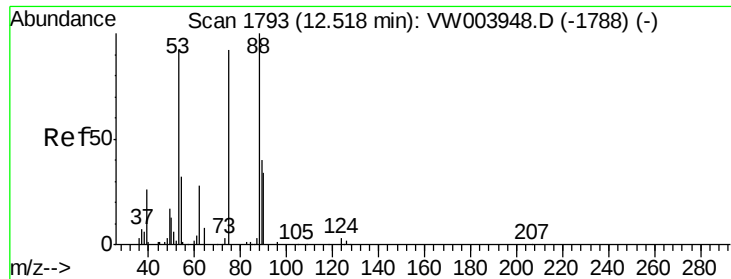
77 0.7 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

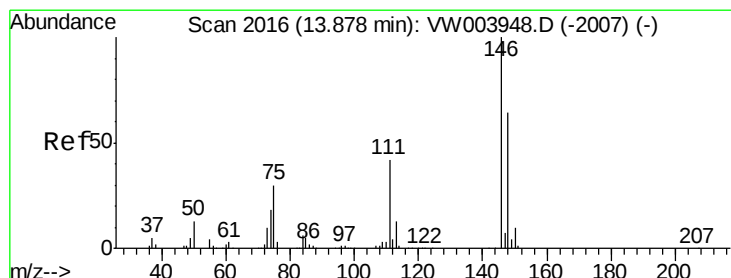
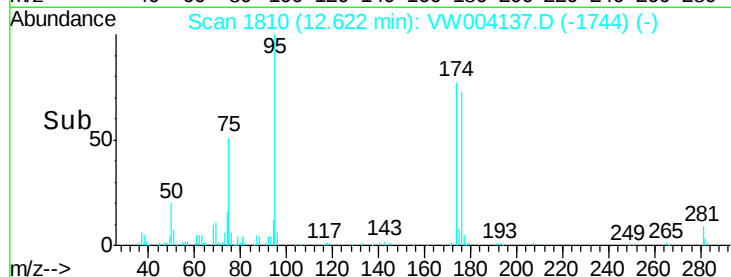
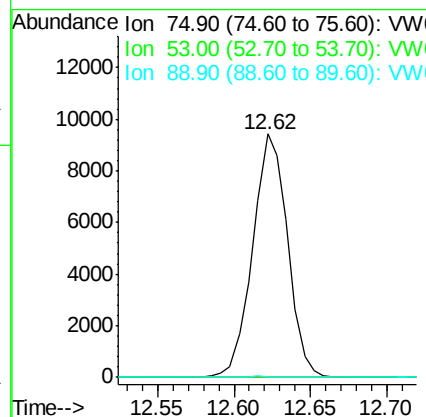
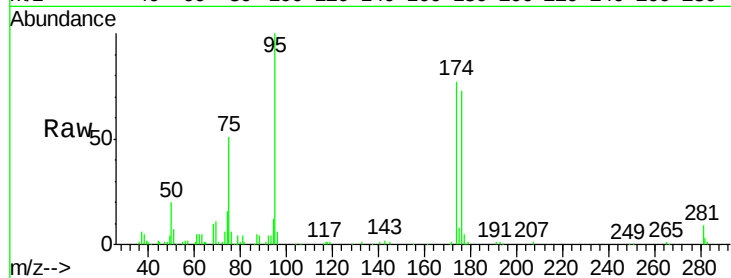




#81
trans-1,4-Dichloro-2-butene
Concen: 38.087 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. 0.10 min
Lab File: VW004137.D
Acq: 23 Jul 2018 15:11

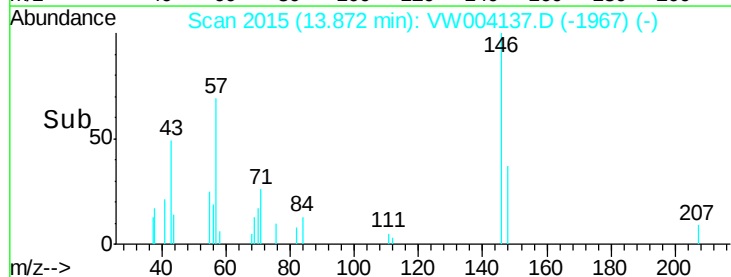
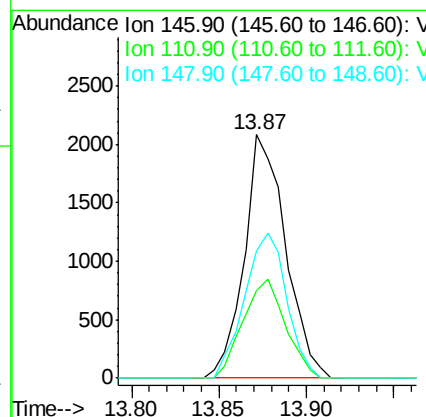
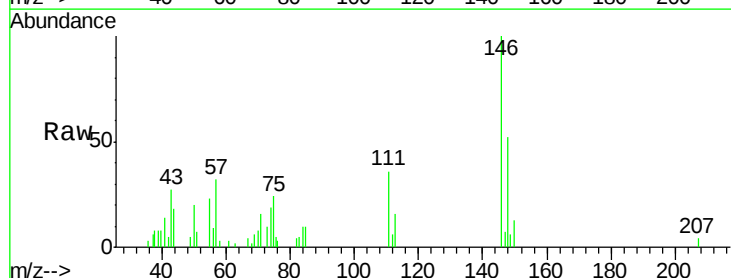
Instrument :
MSVOA_W
ClientSampleId :

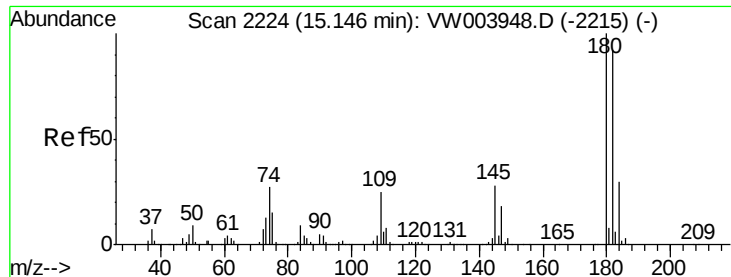
Tot Ion: 75 Resp: 14939
Ion Ratio Lower Upper
75 100
53 0.0 77.6 116.4#
89 0.2 36.6 54.8#



#91
1,2-Dichlorobenzene
Concen: 1.296 ug/l
RT: 13.87 min Scan# 2015
Delta R.T. -0.01 min
Lab File: VW004137.D
Acq: 23 Jul 2018 15:11

Tgt Ion:146 Resp: 3407
Ion Ratio Lower Upper
146 100
111 41.8 20.7 62.1
148 60.9 32.0 96.2

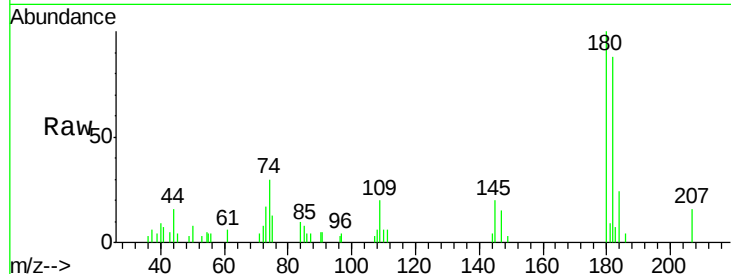




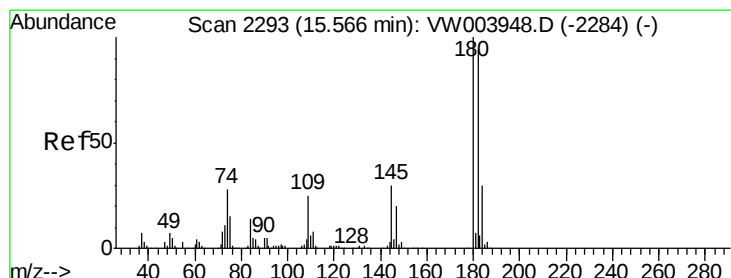
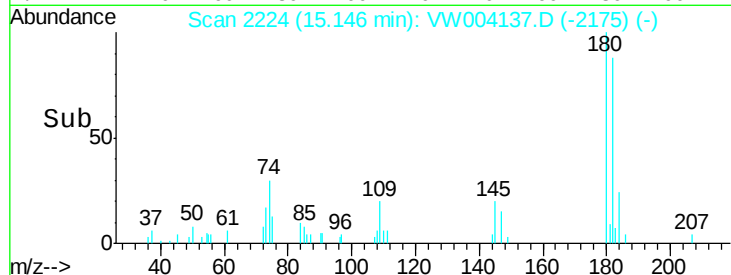
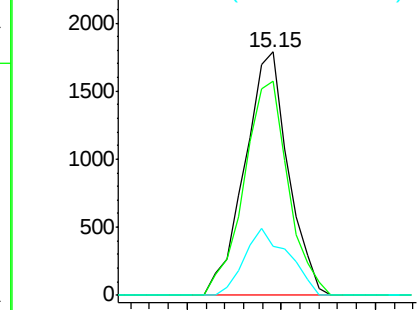
#93
 1,2,4-Trichlorobenzene
 Concen: 1.548 ug/l
 RT: 15.15 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VW004137.D
 Acq: 23 Jul 2018 15:11

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	89.5	46.9	140.8
145	27.7	15.0	45.0

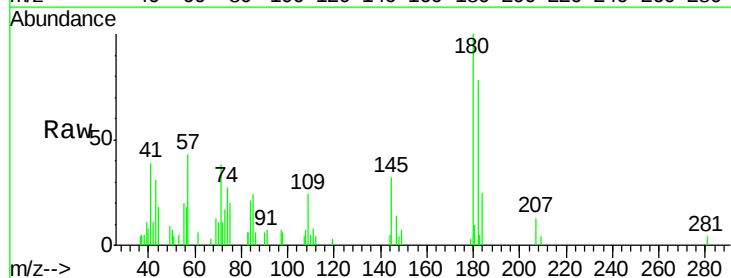


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V



#96
 1,2,3-Trichlorobenzene
 Concen: 1.714 ug/l
 RT: 15.57 min Scan# 2293
 Delta R.T. 0.00 min
 Lab File: VW004137.D
 Acq: 23 Jul 2018 15:11

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.1	47.5	142.6
145	32.8	15.8	47.4



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

