

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072318\
 Data File : VW004147.D
 Acq On : 23 Jul 2018 19:31
 Operator : SY/AP
 Sample : J4026-05
 Misc : 5.02G/5ML/MSVOA W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 24 04:46:09 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	201421	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	361957	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	327844	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	142650	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	97634	43.36	ug/l	0.00
Spiked Amount			Recovery	=	86.72%	
35) Dibromofluoromethane	7.88	113	84766	36.50	ug/l	0.00
Spiked Amount			Recovery	=	73.00%	
50) Toluene-d8	10.33	98	282336	31.33	ug/l	0.00
Spiked Amount			Recovery	=	62.66%	
62) 4-Bromofluorobenzene	12.62	95	92235	28.38	ug/l	0.00
Spiked Amount			Recovery	=	56.76%	

Target Compounds

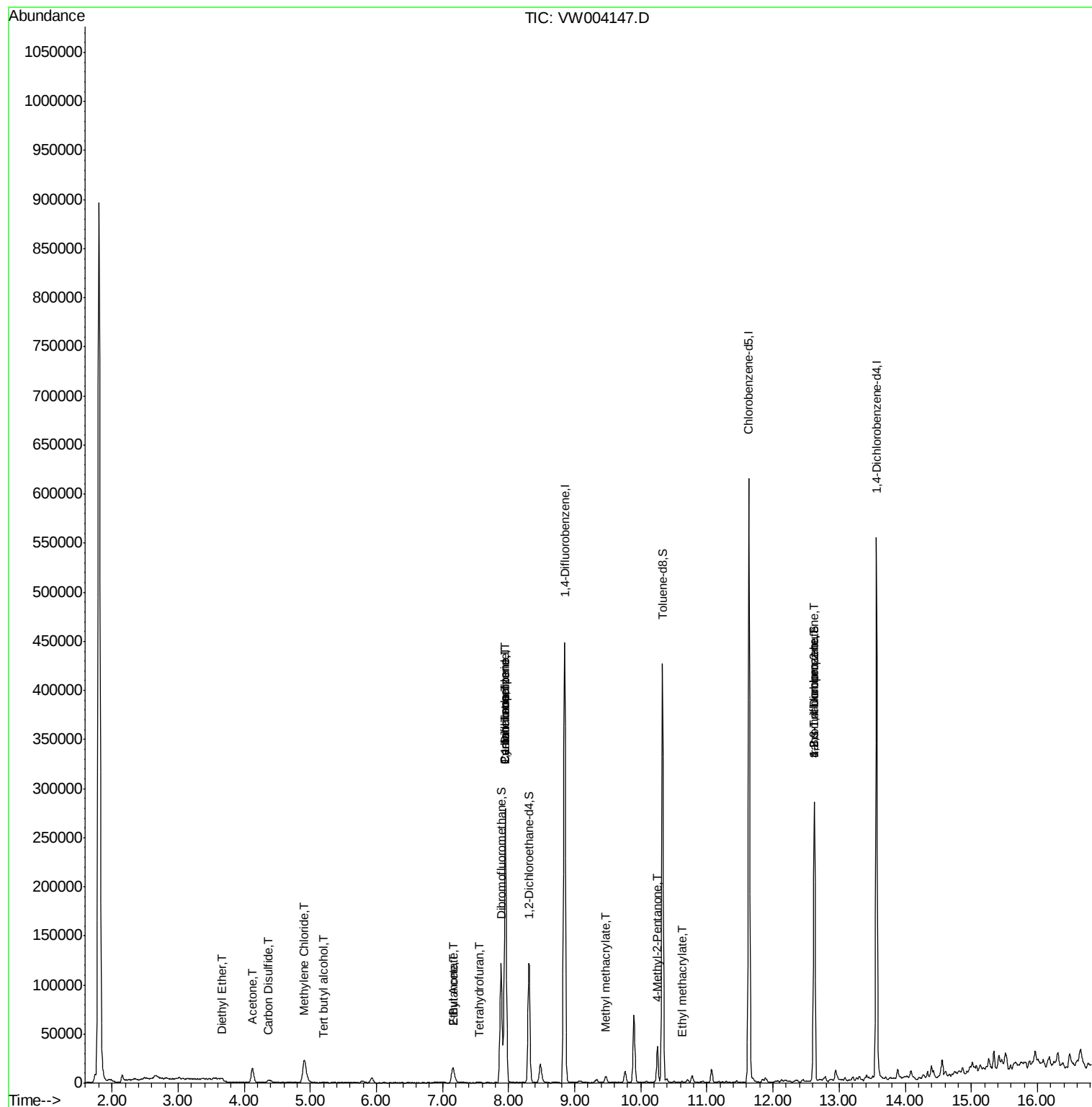
					Qvalue	
8) Diethyl Ether	3.67	74	1295	1.298	ug/l	74
11) Tert butyl alcohol	5.20	59	204	1.313	ug/l #	72
16) Acetone	4.12	43	26771	49.482	ug/l	99
17) Carbon Disulfide	4.37	76	6255	1.024	ug/l #	93
20) Methylene Chloride	4.91	84	21518	1.363	ug/l	95
25) 2-Butanone	7.18	43	7319	10.053	ug/l	91
29) Tetrahydrofuran	7.55	42	638	1.407	ug/l #	72
31) Cyclohexane	7.95	56	5016	1.343	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	16676	4.478	ug/l #	50
37) Ethyl Acetate	7.18	43	7319	4.075	ug/l #	70
38) Carbon Tetrachloride	7.95	117	20282	5.829	ug/l #	18
48) Methyl methacrylate	9.48	41	2397	1.475	ug/l #	37
51) 4-Methyl-2-Pentanone	10.25	43	4545	2.539	ug/l #	85
56) Ethyl methacrylate	10.62	69	210	3.018	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	46963	33.162	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	46963	73.353	ug/l #	11

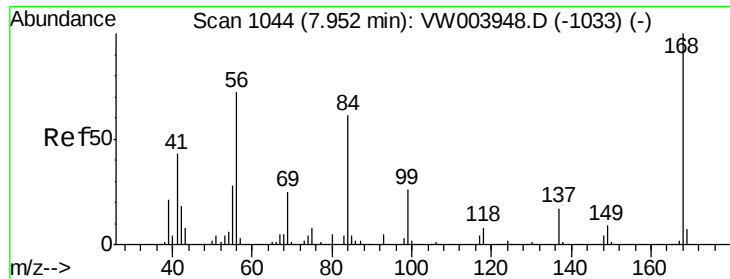
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW004147.D

Acq: 23 Jul 2018 19:31

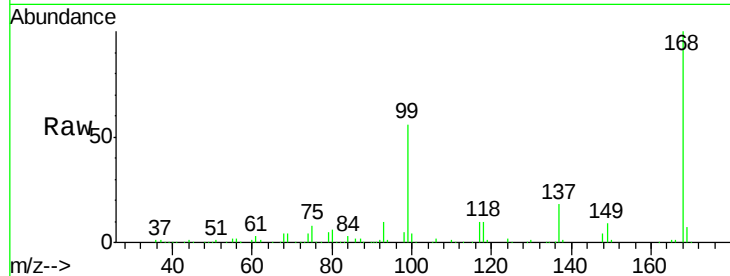
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 201421

Ion Ratio Lower Upper

168 100

99 55.6 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

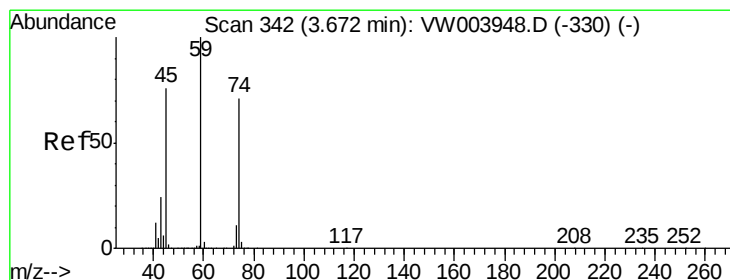
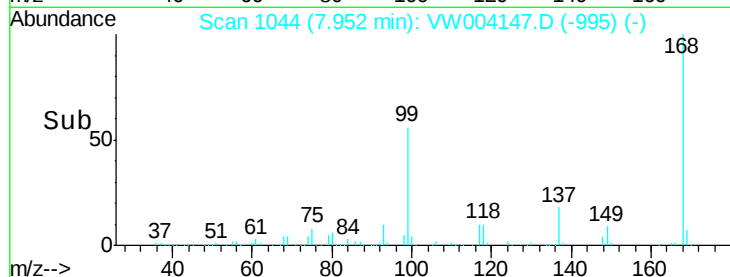
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#8

Diethyl Ether

Concen: 1.298 ug/l

RT: 3.67 min Scan# 341

Delta R.T. -0.01 min

Lab File: VW004147.D

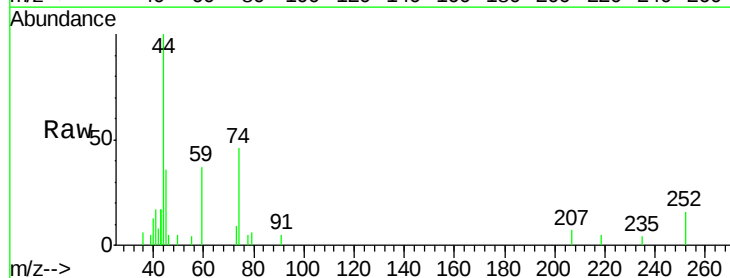
Acq: 23 Jul 2018 19:31

Tgt Ion: 74 Resp: 1295

Ion Ratio Lower Upper

74 100

45 134.7 53.8 161.4



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.67

800

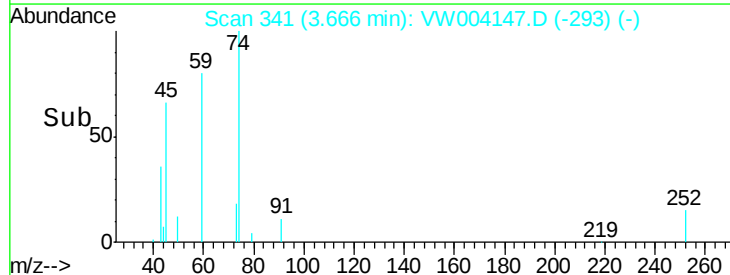
600

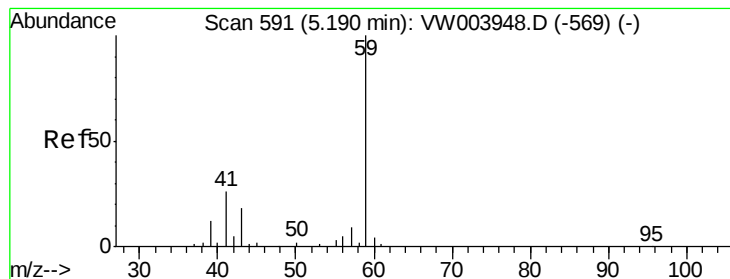
400

200

0

Time--> 3.60 3.65 3.70 3.75



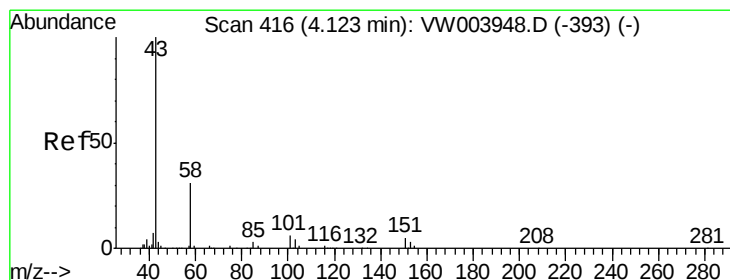
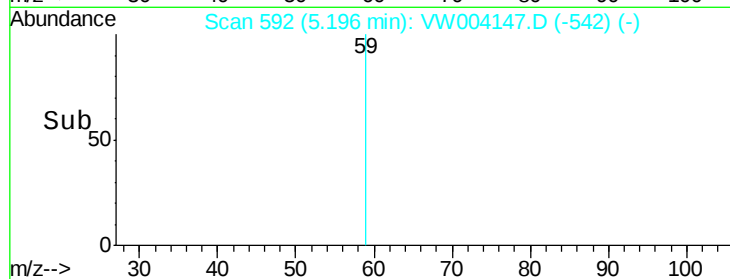
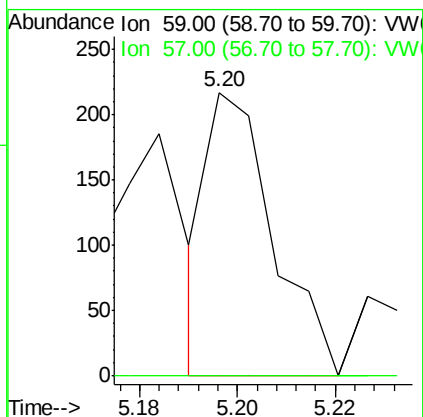
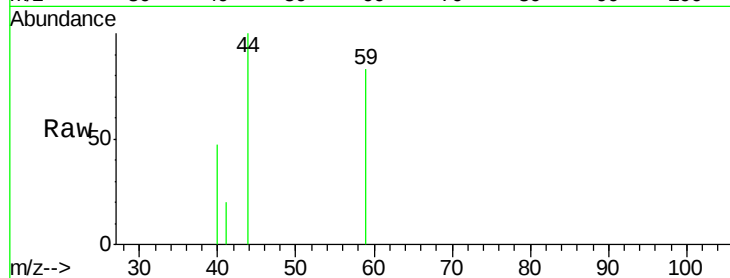


#11

Tert butvl alcohol
 Concen: 1.313 ug/l
 RT: 5.20 min Scan# 592
 Delta R.T. 0.01 min
 Lab File: VW004147.D
 Acq: 23 Jul 2018 19:31

Instrument :
 MSVOA_W
 ClientSampled :

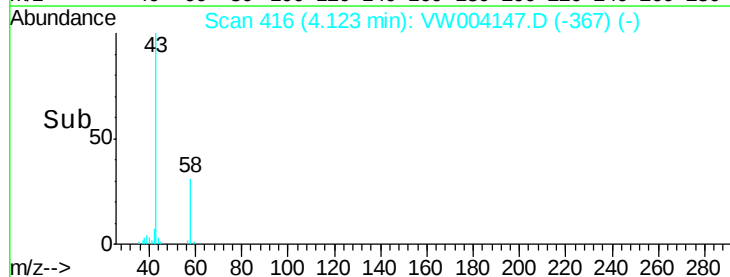
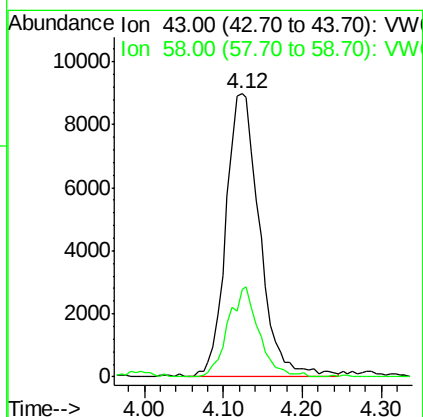
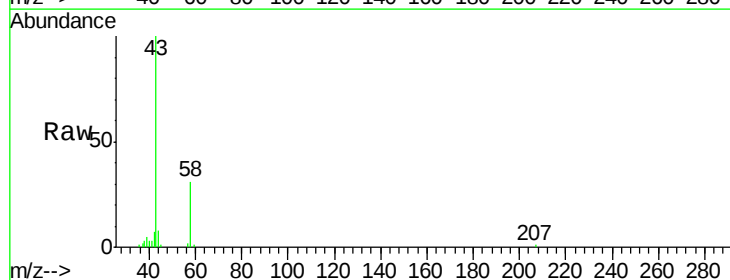
Tot Ion: 59 Resp: 204
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#

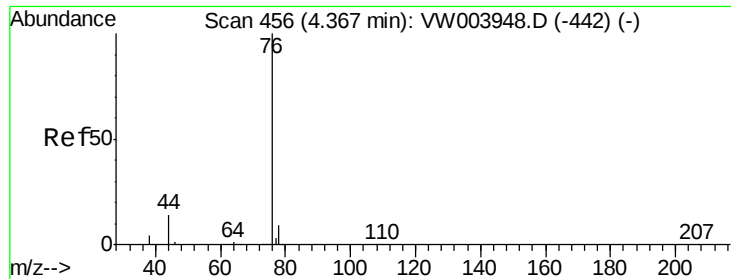


#16

Acetone
 Concen: 49.482 ug/l
 RT: 4.12 min Scan# 416
 Delta R.T. -0.00 min
 Lab File: VW004147.D
 Acq: 23 Jul 2018 19:31

Tgt Ion: 43 Resp: 26771
 Ion Ratio Lower Upper
 43 100
 58 31.1 24.5 36.7

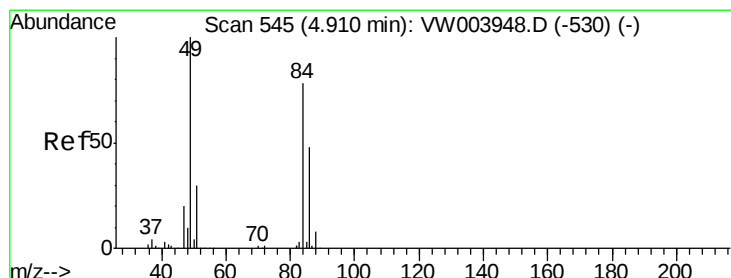
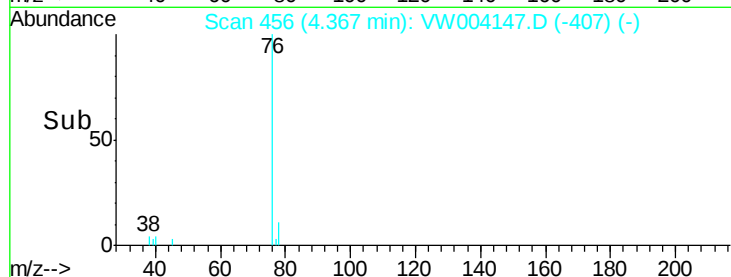
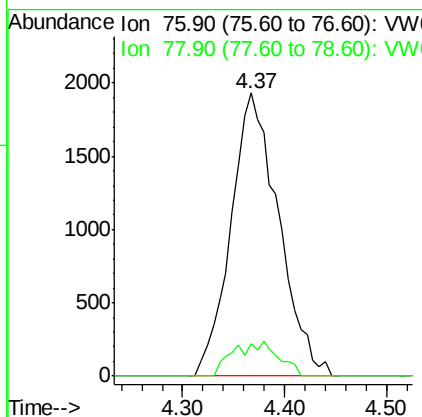
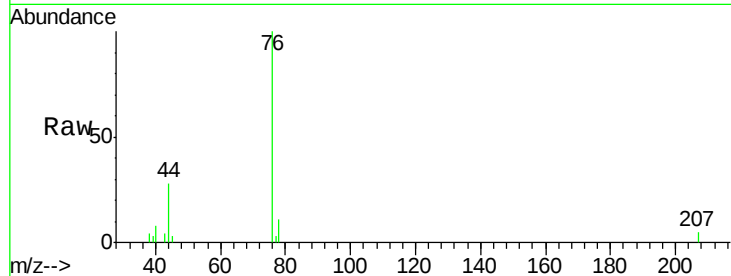




#17
Carbon Disulfide
Concen: 1.024 ug/l
RT: 4.37 min Scan# 456
Delta R.T. -0.00 min
Lab File: VW004147.D
Acq: 23 Jul 2018 19:31

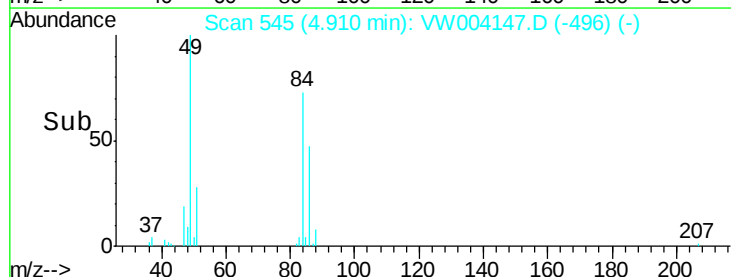
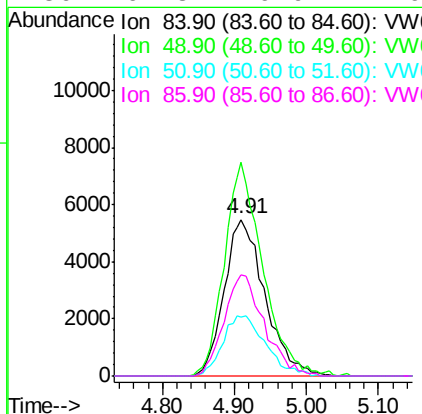
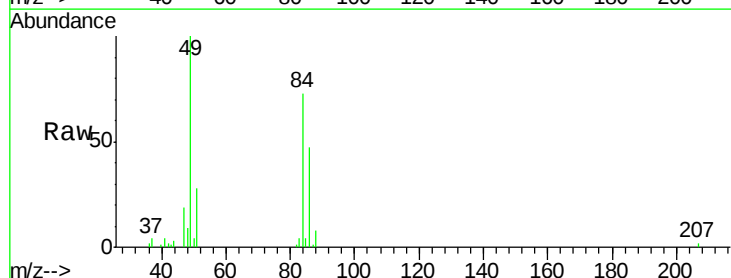
Instrument :
MSVOA_W
ClientSampleId :

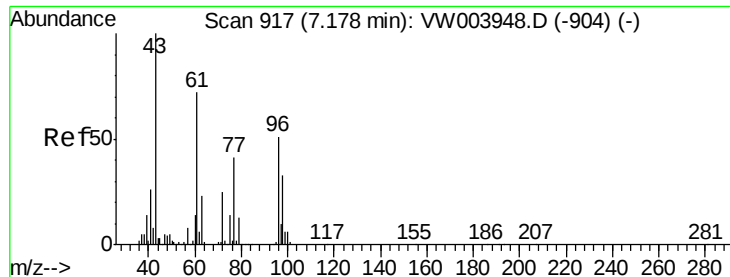
Tot Ion: 76 Resp: 6255
Ion Ratio Lower Upper
76 100
78 11.3 7.1 10.7#



#20
Methylene Chloride
Concen: 1.363 ug/l
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW004147.D
Acq: 23 Jul 2018 19:31

Tgt Ion: 84 Resp: 21518
Ion Ratio Lower Upper
84 100
49 136.5 102.9 154.3
51 37.7 30.9 46.3
86 64.3 49.9 74.9





#25

2-Butanone

Concen: 10.053 ug/l

RT: 7.18 min Scan# 917

Delta R.T. -0.00 min

Lab File: VW004147.D

Acq: 23 Jul 2018 19:31

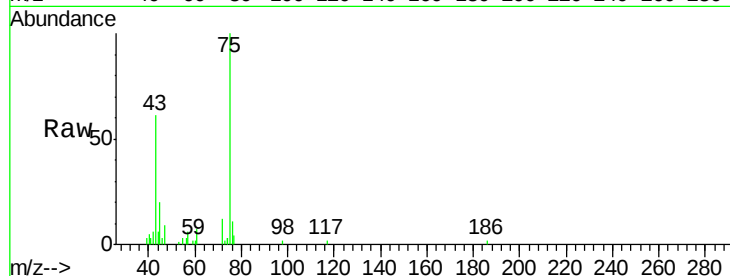
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 7319

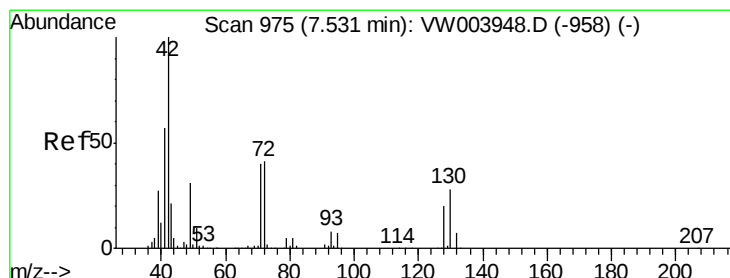
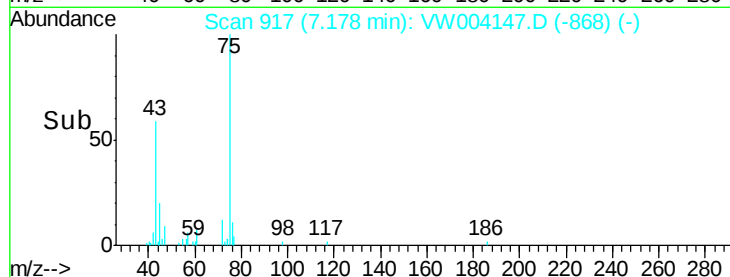
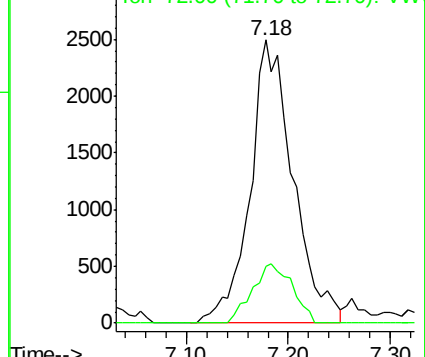
Ion Ratio Lower Upper

43 100

72 20.2 19.8 29.6



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW



#29

Tetrahydrofuran

Concen: 1.407 ug/l

RT: 7.55 min Scan# 978

Delta R.T. 0.02 min

Lab File: VW004147.D

Acq: 23 Jul 2018 19:31

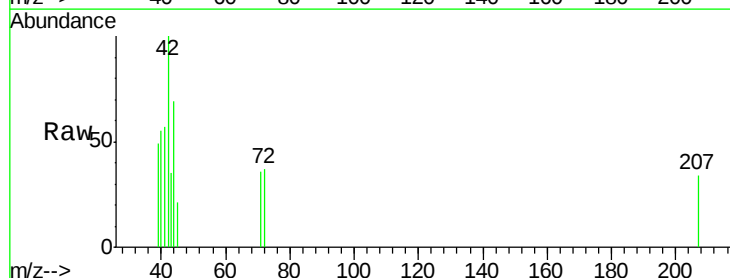
Tgt Ion: 42 Resp: 638

Ion Ratio Lower Upper

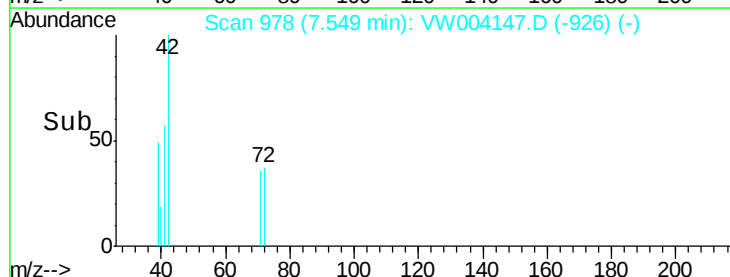
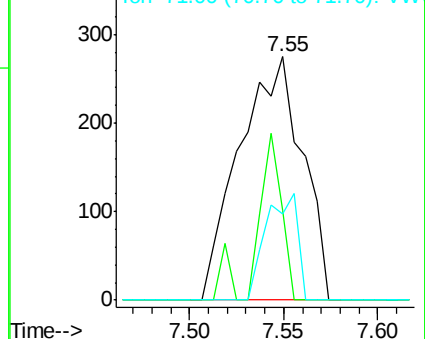
42 100

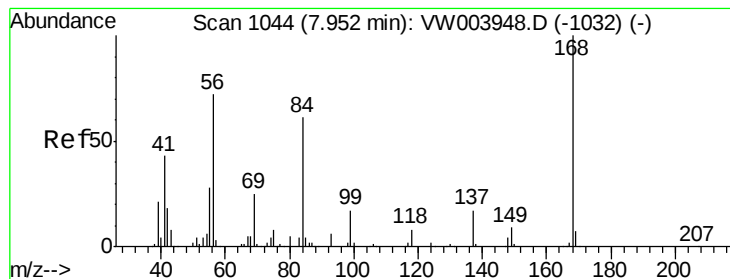
72 22.3 32.6 48.8#

71 21.9 30.5 45.7#



Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW





#31

Cyclohexane

Concen: 1.343 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VW004147.D

Acq: 23 Jul 2018 19:31

Instrument :
MSVOA_W
ClientSampled :

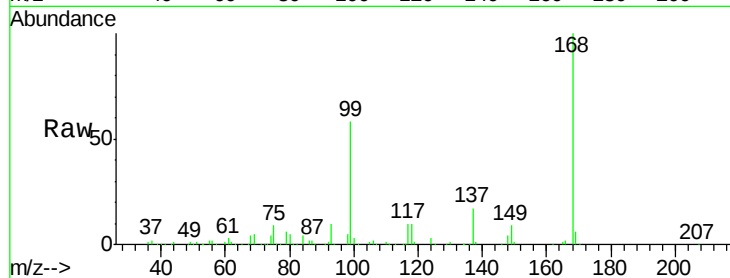
Tot Ion: 56 Resp: 5016

Ion Ratio Lower Upper

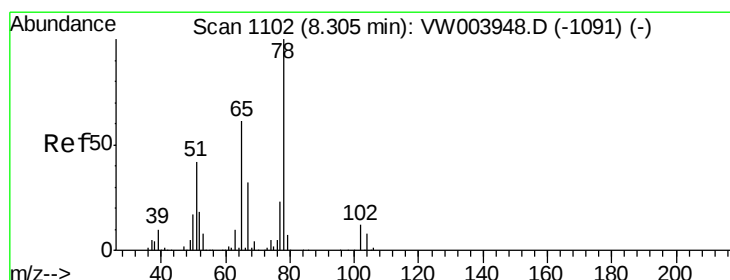
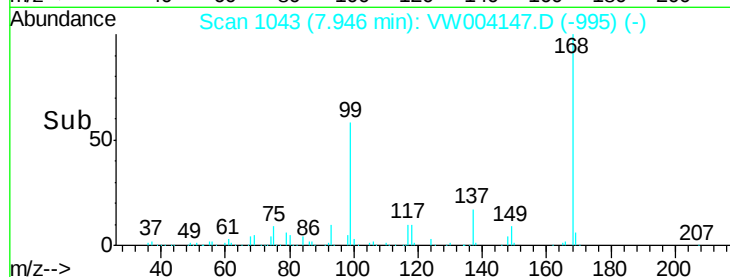
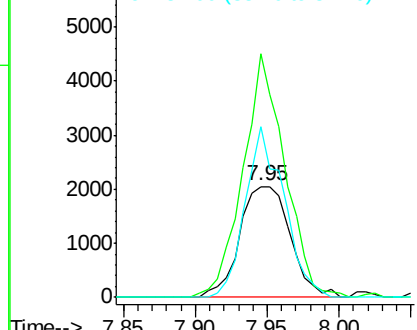
56 100

69 219.2 27.8 41.8#

84 153.5 67.2 100.8#



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



#33

1,2-Dichloroethane-d4

Concen: 43.364 ug/l

RT: 8.31 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VW004147.D

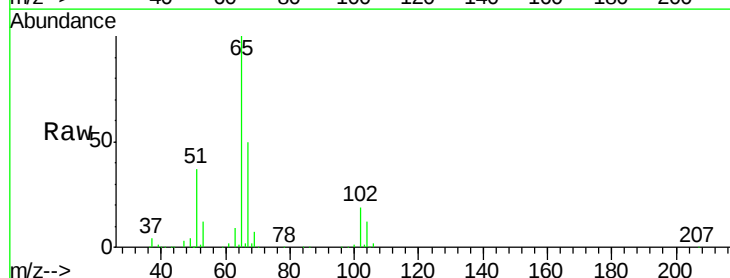
Acq: 23 Jul 2018 19:31

Tgt Ion: 65 Resp: 97634

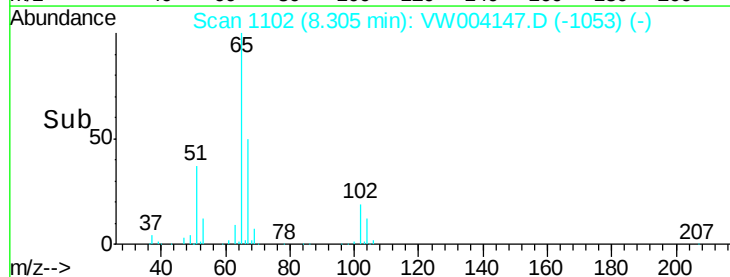
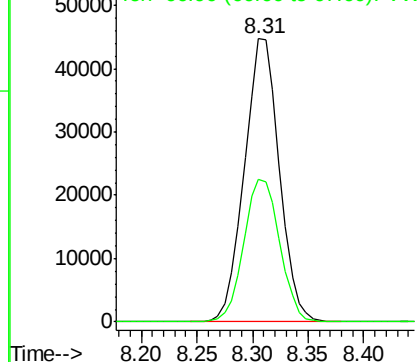
Ion Ratio Lower Upper

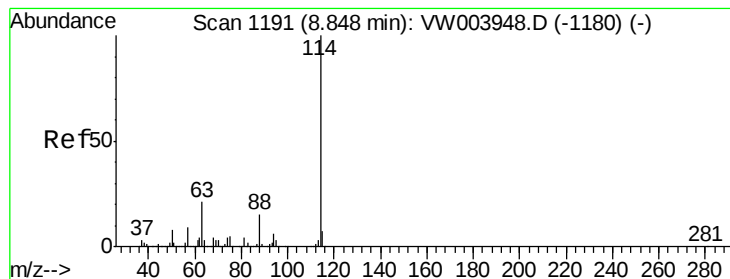
65 100

67 51.7 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. -0.00 min

Lab File: VW004147.D

Acq: 23 Jul 2018 19:31

Instrument :

MSVOA_W

ClientSampleId :

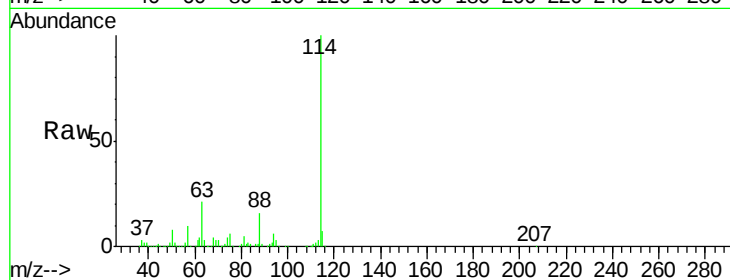
Tot Ion:114 Resp: 361957

Ion Ratio Lower Upper

114 100

63 21.3 0.0 42.8

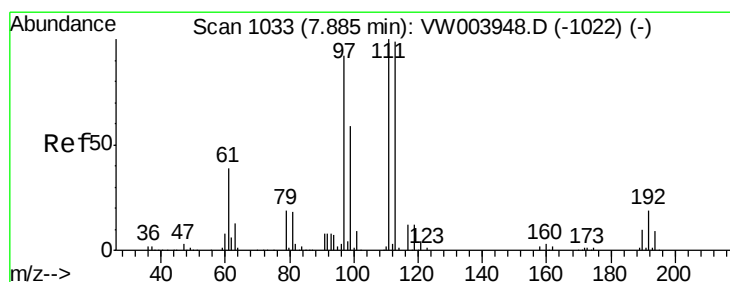
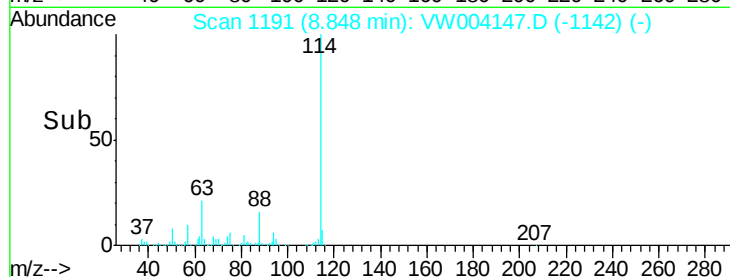
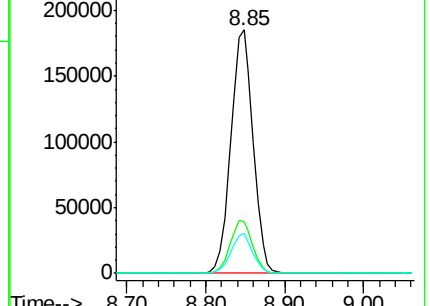
88 16.4 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW



#35

Dibromofluoromethane

Concen: 36.499 ug/l

RT: 7.88 min Scan# 1033

Delta R.T. -0.00 min

Lab File: VW004147.D

Acq: 23 Jul 2018 19:31

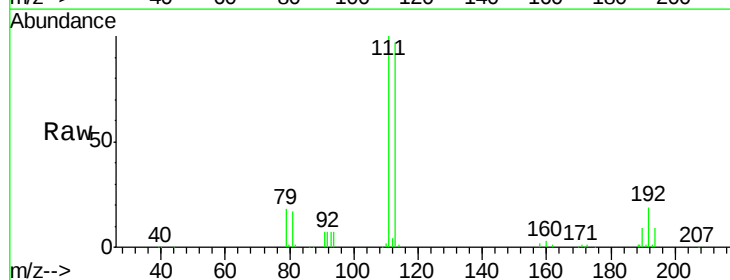
Tgt Ion:113 Resp: 84766

Ion Ratio Lower Upper

113 100

111 101.9 81.3 121.9

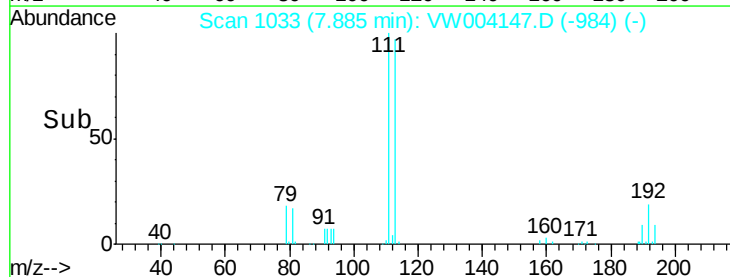
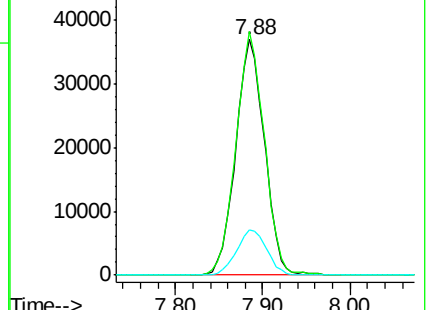
192 20.0 15.8 23.6

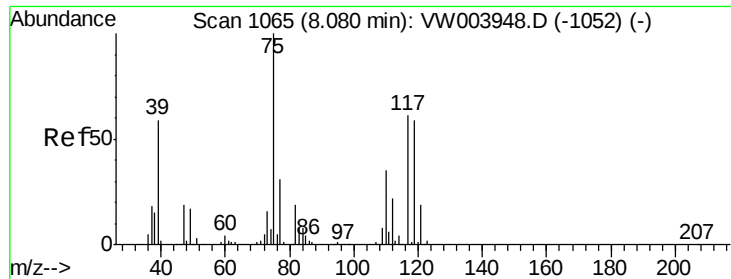


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

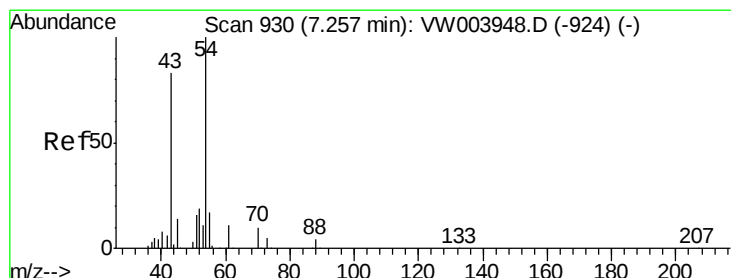
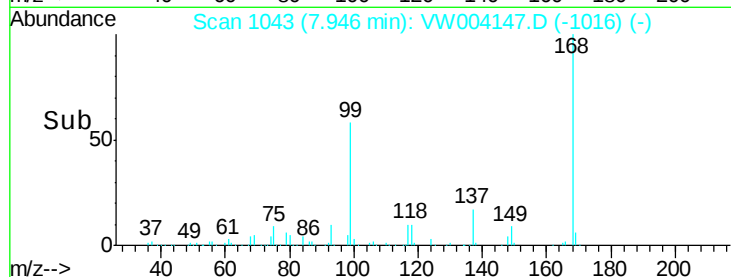
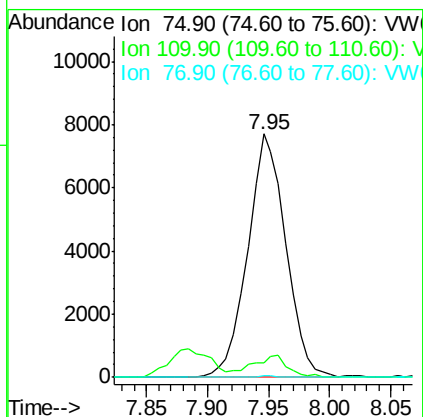
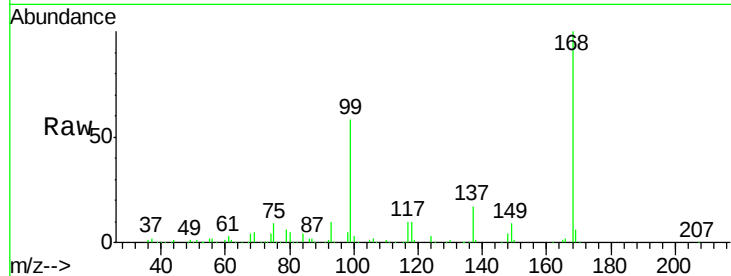




#36
 1,1-Dichloropropene
 Concen: 4.478 ug/l
 RT: 7.95 min Scan# 1043
 Delta R.T. -0.13 min
 Lab File: VW004147.D
 Acq: 23 Jul 2018 19:31

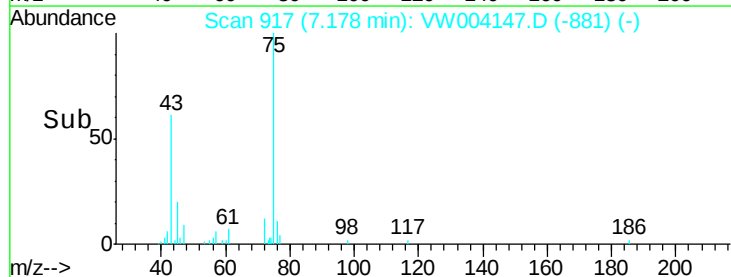
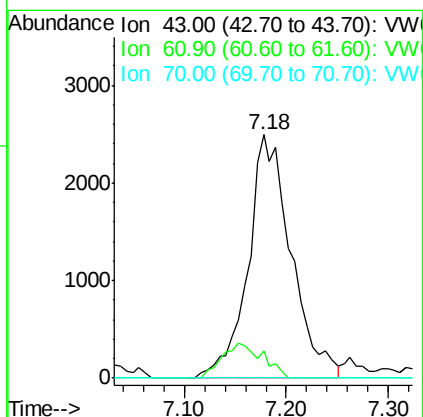
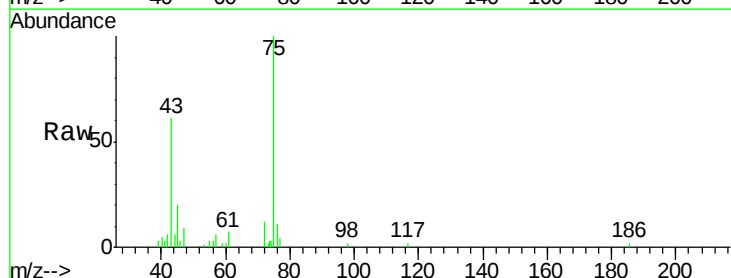
Instrument :
 MSVOA_W
 ClientSampled :

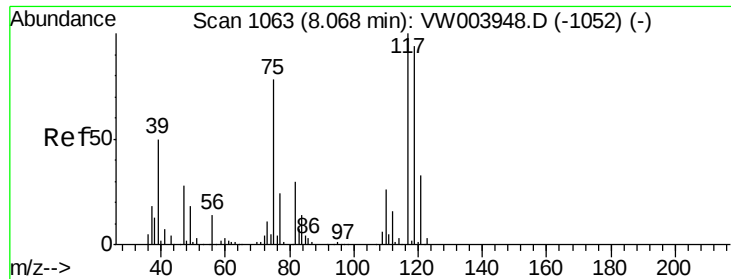
Tot Ion: 75 Resp: 16676
 Ion Ratio Lower Upper
 75 100
 110 8.2 17.0 51.0#
 77 0.3 24.9 37.3#



#37
 Ethyl Acetate
 Concen: 4.075 ug/l
 RT: 7.18 min Scan# 917
 Delta R.T. -0.08 min
 Lab File: VW004147.D
 Acq: 23 Jul 2018 19:31

Tgt Ion: 43 Resp: 7319
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.7 16.1#
 70 0.0 7.7 11.5#

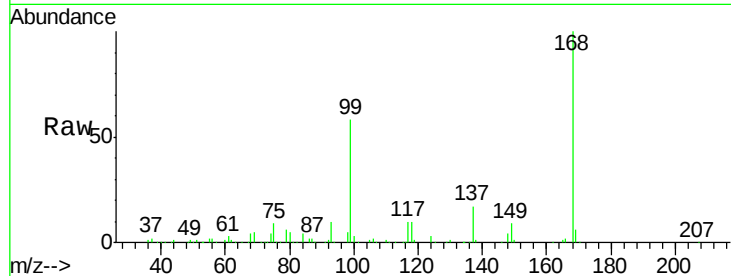




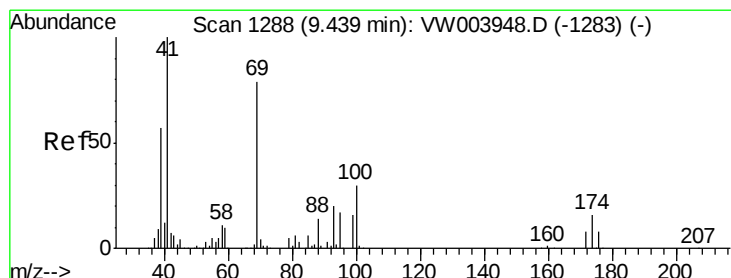
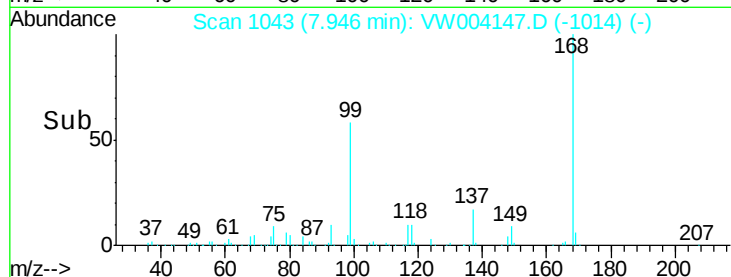
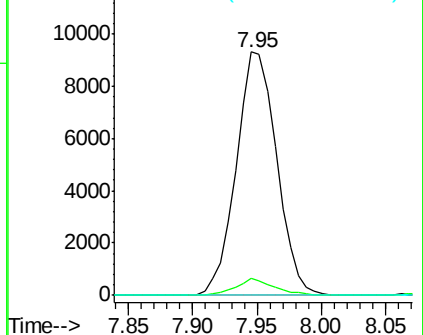
#38
Carbon Tetrachloride
Concen: 5.829 ug/l
RT: 7.95 min Scan# 1043
Delta R.T. -0.12 min
Lab File: VW004147.D
Acq: 23 Jul 2018 19:31

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:117 Resp: 20282
Ion Ratio Lower Upper
117 100
119 6.9 75.3 112.9#
121 0.0 26.0 39.0#

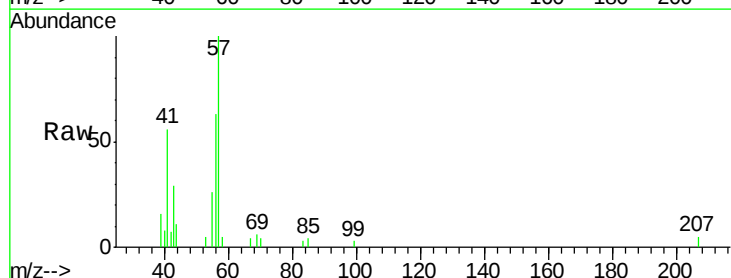


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

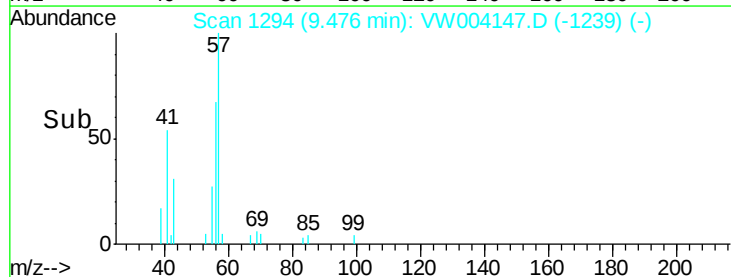
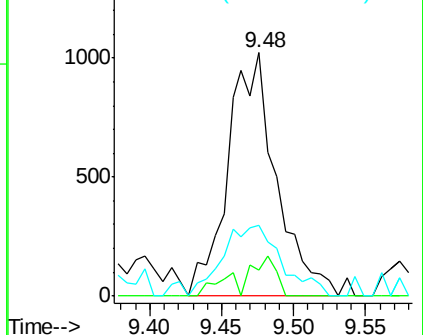


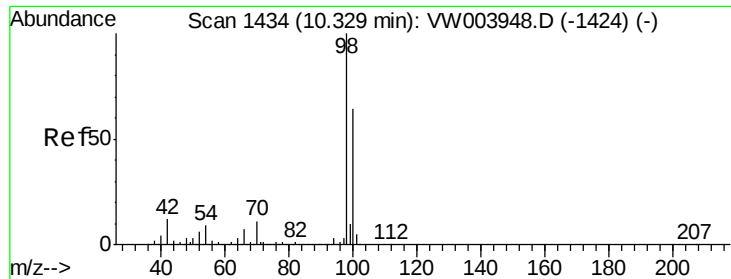
#48
Methyl methacrylate
Concen: 1.475 ug/l
RT: 9.48 min Scan# 1294
Delta R.T. 0.04 min
Lab File: VW004147.D
Acq: 23 Jul 2018 19:31

Tgt Ion: 41 Resp: 2397
Ion Ratio Lower Upper
41 100
69 7.8 67.0 100.6#
39 35.4 48.8 73.2#



Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 39.00 (38.70 to 39.70): VW





#50

Toluene-d8

Concen: 31.331 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW004147.D

Acq: 23 Jul 2018 19:31

Instrument :

MSVOA_W

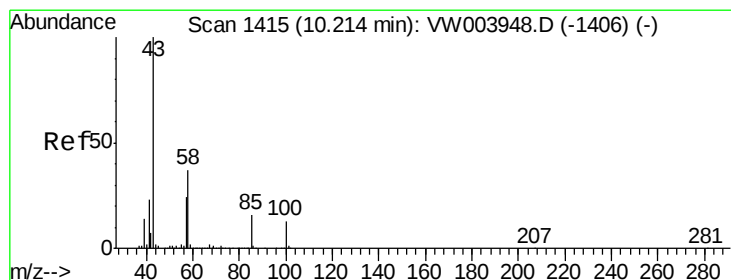
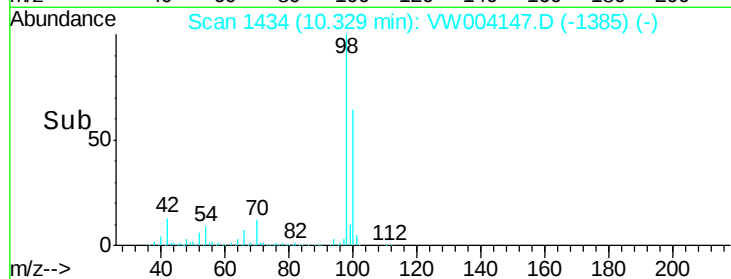
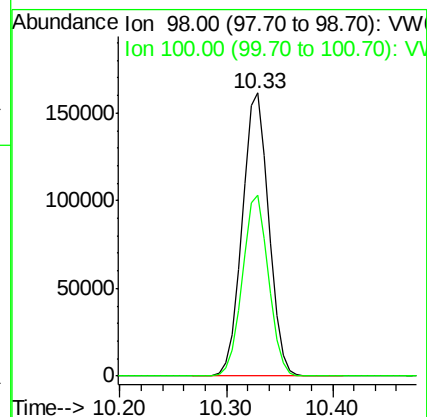
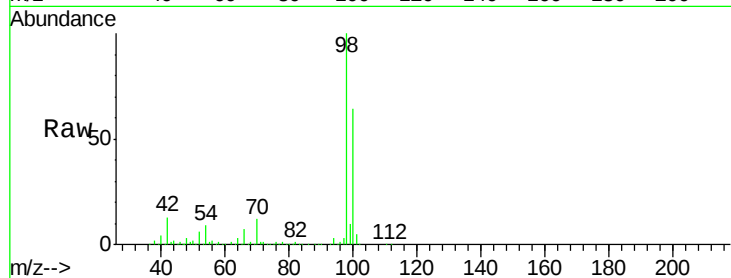
ClientSampleId :

Tot Ion: 98 Resp: 282336

Ion Ratio Lower Upper

98 100

100 63.1 51.2 76.8



#51

4-Methyl-2-Pentanone

Concen: 2.539 ug/l

RT: 10.25 min Scan# 1421

Delta R.T. 0.04 min

Lab File: VW004147.D

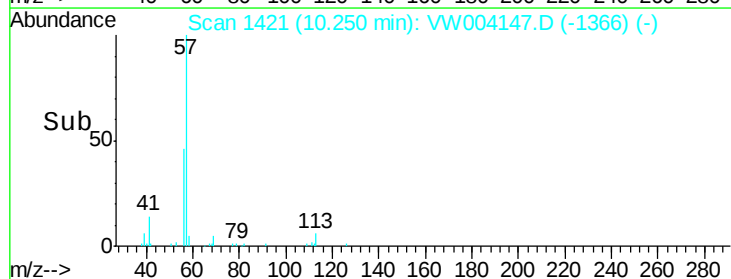
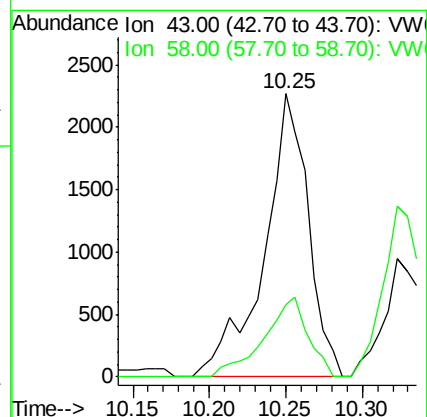
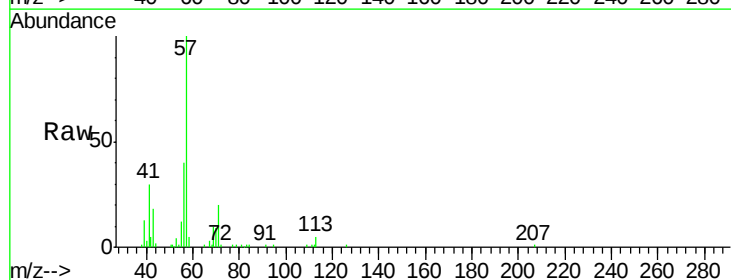
Acq: 23 Jul 2018 19:31

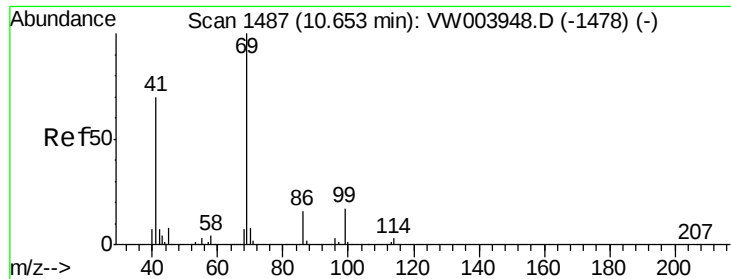
Tgt Ion: 43 Resp: 4545

Ion Ratio Lower Upper

43 100

58 28.1 29.9 44.9#





#56

Ethyl methacrylate

Concen: 3.018 ug/l

RT: 10.62 min Scan# 1482

Delta R.T. -0.03 min

Lab File: VW004147.D

Acq: 23 Jul 2018 19:31

Instrument :

MSVOA_W

ClientSampled :

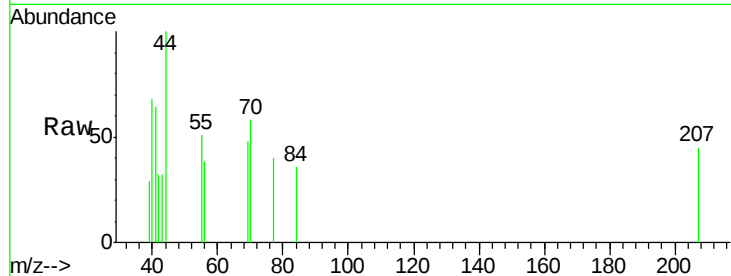
Tot Ion: 69 Resp: 210

Ion Ratio Lower Upper

69 100

41 257.6 56.5 84.7#

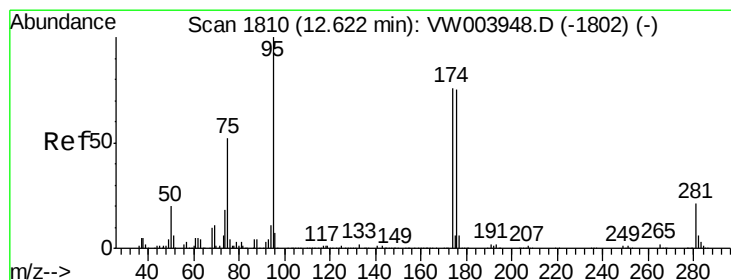
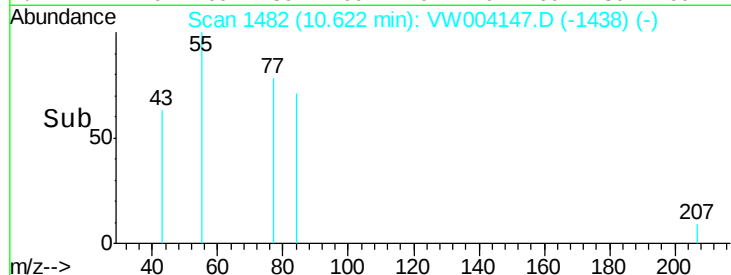
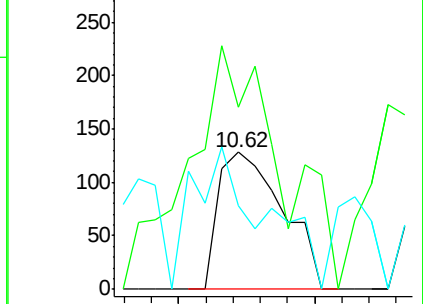
39 80.0 30.2 45.4#



Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW



#62

4-Bromofluorobenzene

Concen: 28.384 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VW004147.D

Acq: 23 Jul 2018 19:31

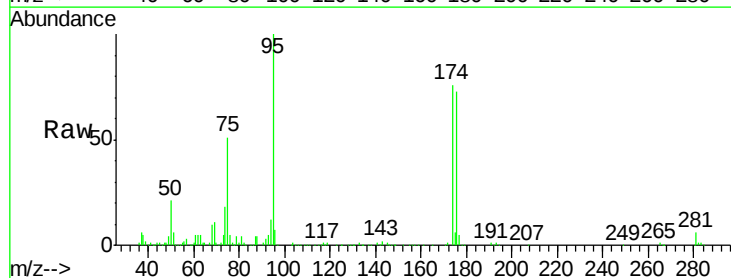
Tgt Ion: 95 Resp: 92235

Ion Ratio Lower Upper

95 100

174 80.8 0.0 160.2

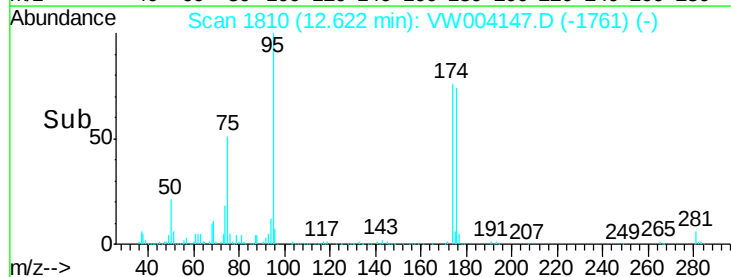
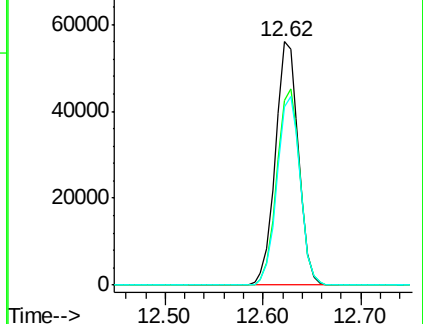
176 77.4 0.0 155.8

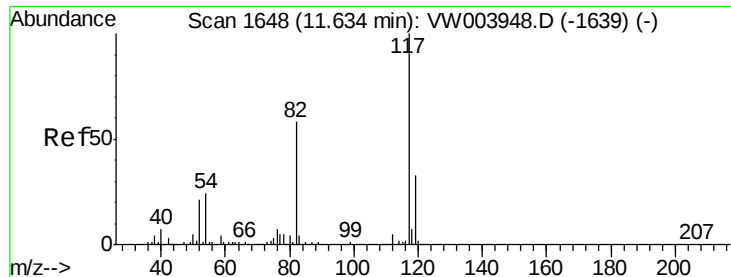


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

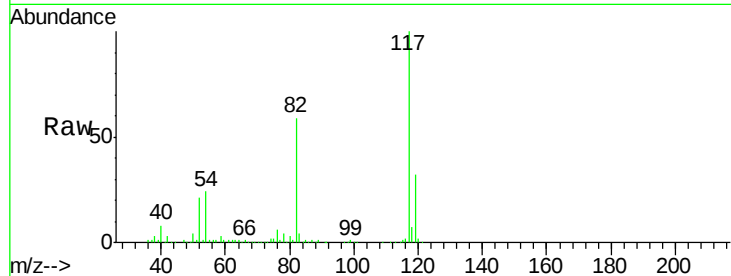




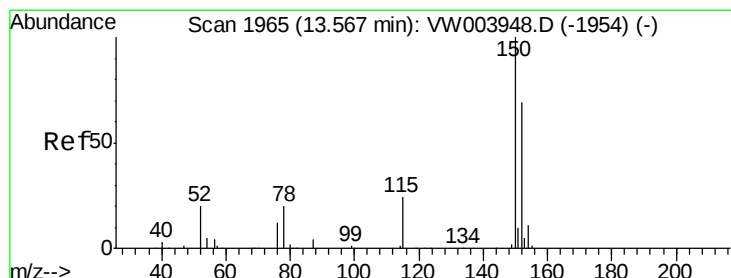
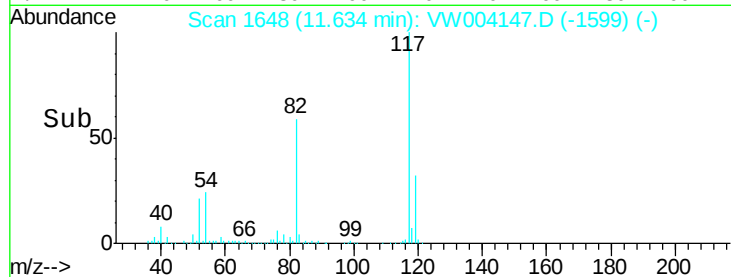
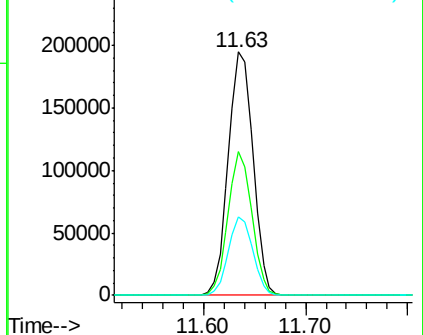
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VW004147.D
Acq: 23 Jul 2018 19:31

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:117 Resp: 327844
Ion Ratio Lower Upper
117 100
82 59.0 46.5 69.7
119 32.3 26.2 39.2

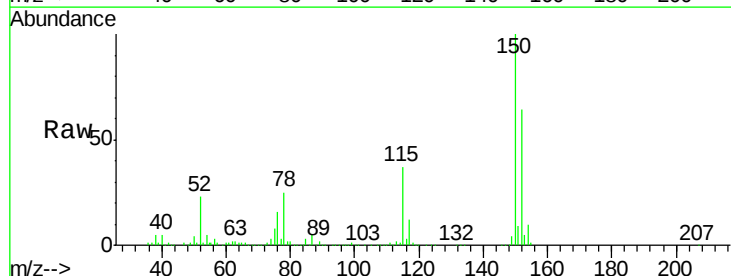


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

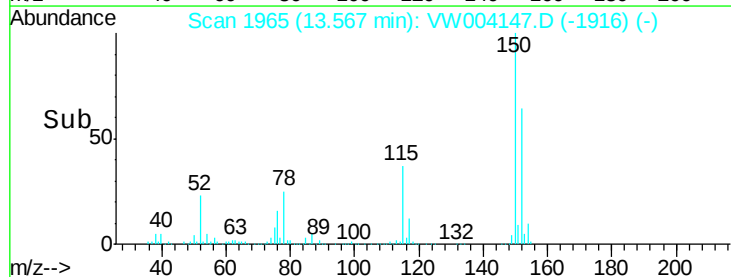
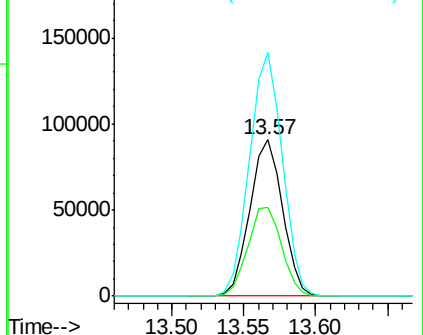


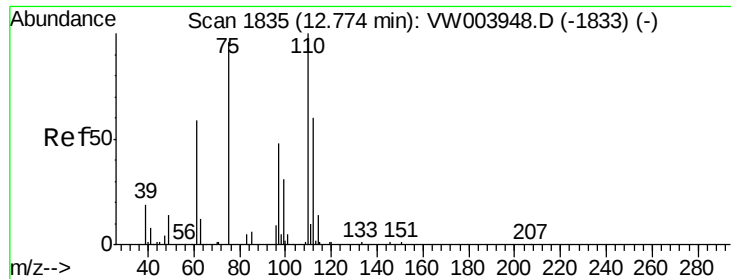
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. -0.00 min
Lab File: VW004147.D
Acq: 23 Jul 2018 19:31

Tgt Ion:152 Resp: 142650
Ion Ratio Lower Upper
152 100
115 58.6 29.2 87.6
150 156.1 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

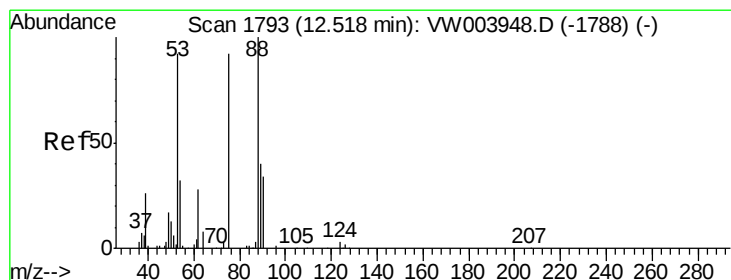
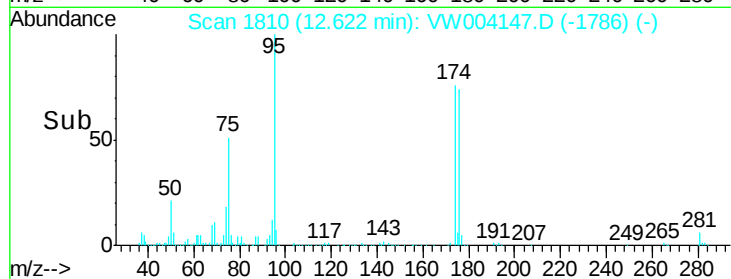
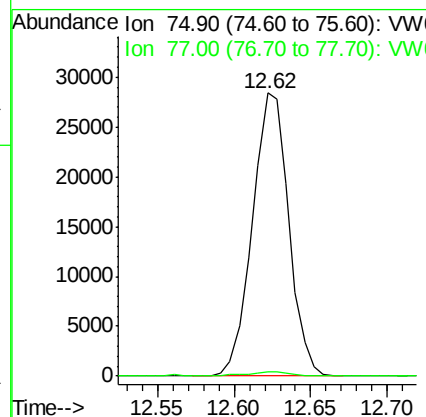
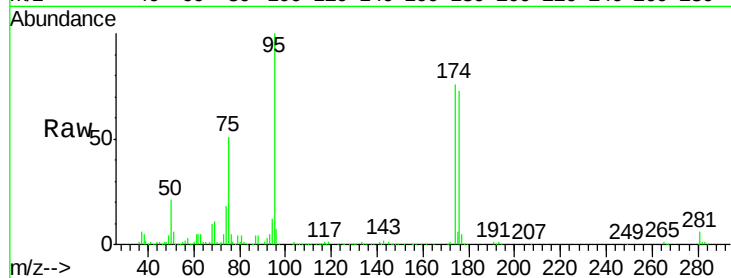




#76
 1,2,3-Trichloropropane
 Concen: 33.162 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. -0.15 min
 Lab File: VW004147.D
 Acq: 23 Jul 2018 19:31

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 75 Resp: 46963
 Ion Ratio Lower Upper
 75 100
 77 1.9 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 73.353 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. 0.10 min
 Lab File: VW004147.D
 Acq: 23 Jul 2018 19:31

Tgt Ion: 75 Resp: 46963
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.6 116.4#
 89 0.0 36.6 54.8#

