

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071819\
 Data File : VW011352.D
 Acq On : 19 Jul 2019 00:43
 Operator : SY/VA
 Sample : K3835-28
 Misc : 6.55G/5ML/MSVOA W/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 19 06:49:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 11 08:14:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	193198	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	335631	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	292798	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	130063	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	137254	56.54	ug/l	0.00
Spiked Amount			Recovery	=	113.08%	
35) Dibromofluoromethane	7.88	113	106437	53.20	ug/l	0.00
Spiked Amount			Recovery	=	106.40%	
50) Toluene-d8	10.32	98	419459	51.87	ug/l	0.00
Spiked Amount			Recovery	=	103.74%	
62) 4-Bromofluorobenzene	12.61	95	142131	47.95	ug/l	0.00
Spiked Amount			Recovery	=	95.90%	

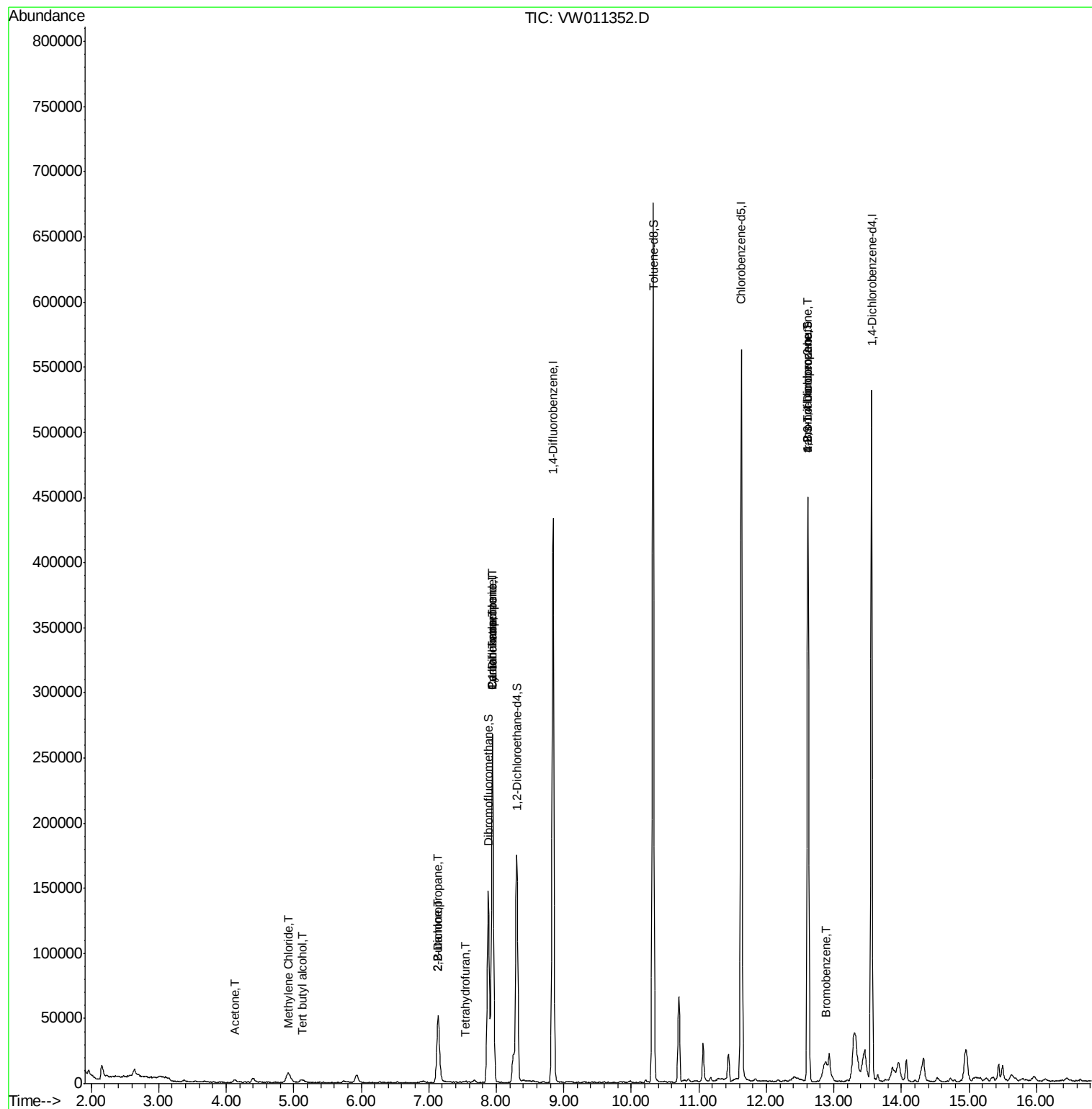
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.12	59	2415	13.437	ug/l #	70
16) Acetone	4.12	43	4396	7.526	ug/l	95
18) Methyl Acetate	4.68	43	522	Below Cal	#	57
20) Methylene Chloride	4.92	84	5953	2.583	ug/l	96
25) 2-Butanone	7.14	43	3655	3.986	ug/l #	77
26) 2,2-Dichloropropane	7.13	77	3468	1.509	ug/l #	53
29) Tetrahydrofuran	7.54	42	812	1.351	ug/l #	68
31) Cyclohexane	7.94	56	5030	1.070	ug/l #	2
36) 1,1-Dichloropropene	7.95	75	17428	4.876	ug/l #	50
38) Carbon Tetrachloride	7.95	117	19299	6.370	ug/l #	17
76) 1,2,3-Trichloropropane	12.61	75	76529	50.916	ug/l #	100
77) Bromobenzene	12.88	156	22077	10.118	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.61	75	76529	115.162	ug/l #	6

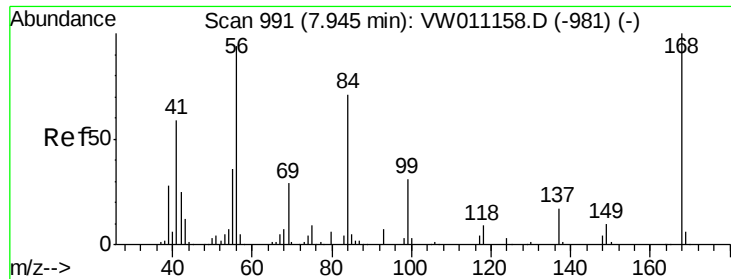
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW011352.D

Acq: 19 Jul 2019 00:43

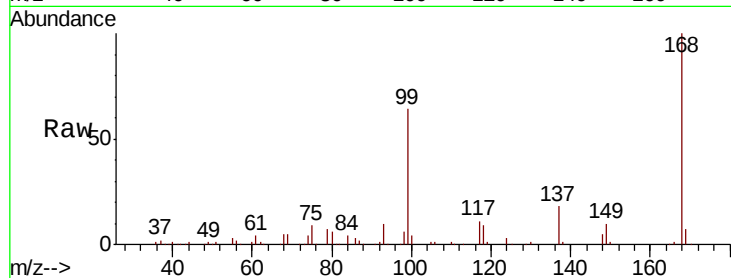
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 193198

Ion Ratio Lower Upper

168 100

99 63.6 50.1 75.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

80000

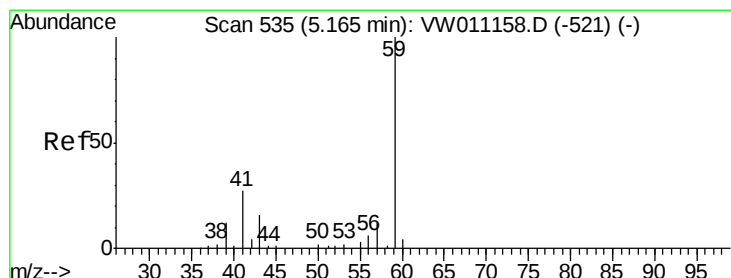
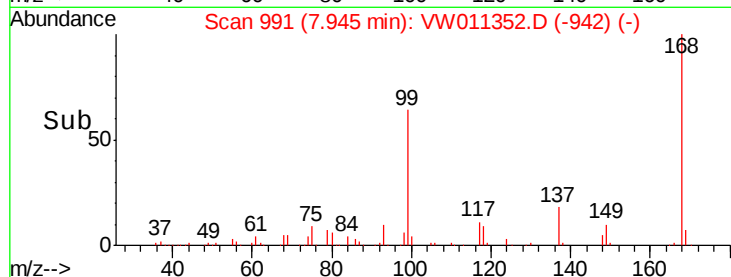
60000

40000

20000

0

Time--> 7.80 7.90 8.00



#11

Tert butyl alcohol

Concen: 13.437 ug/l

RT: 5.12 min Scan# 527

Delta R.T. -0.05 min

Lab File: VW011352.D

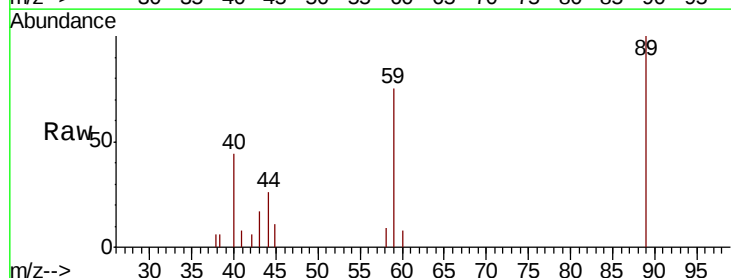
Acq: 19 Jul 2019 00:43

Tgt Ion: 59 Resp: 2415

Ion Ratio Lower Upper

59 100

57 0.0 9.0 13.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.12

800

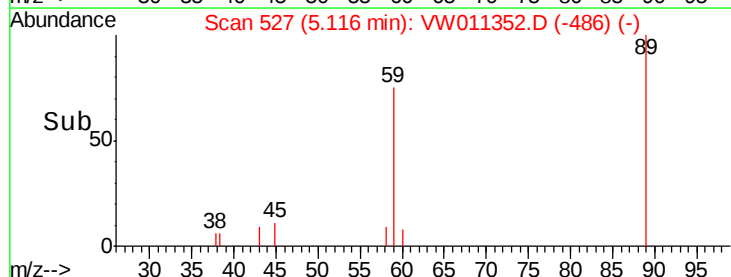
600

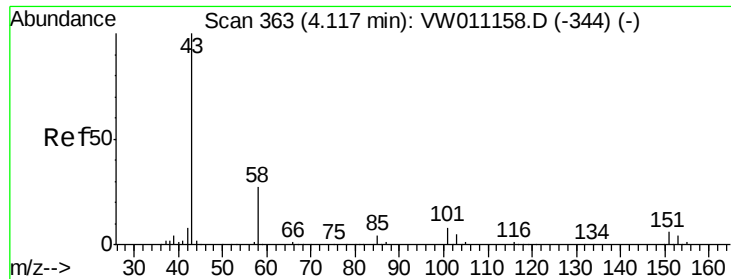
400

200

0

Time--> 5.00 5.05 5.10 5.15 5.20

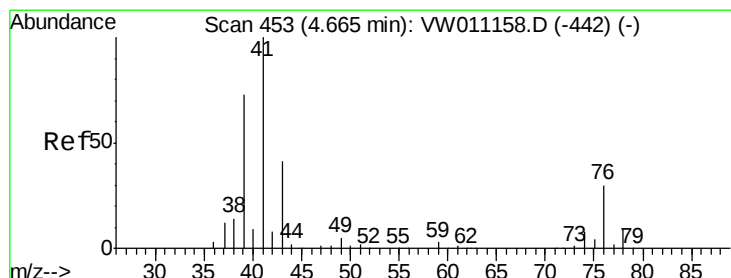
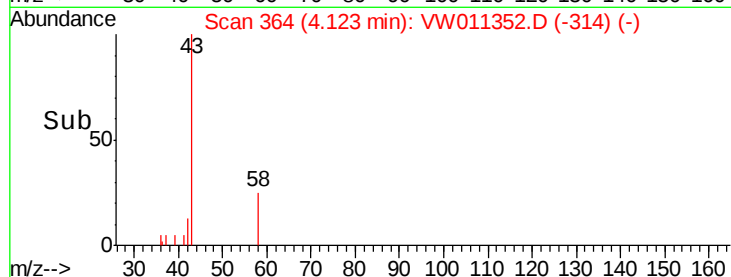
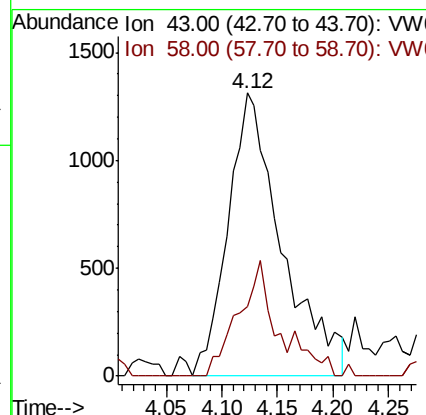
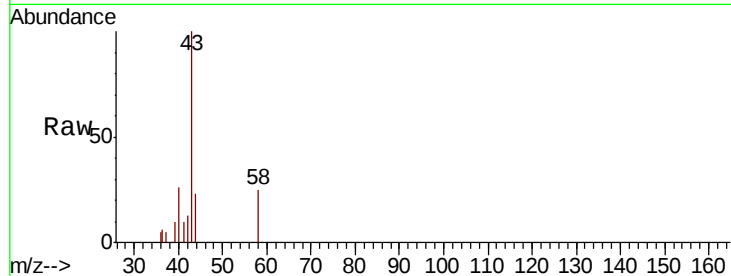




#16
Acetone
Concen: 7.526 ug/l
RT: 4.12 min Scan# 364
Delta R.T. 0.01 min
Lab File: VW011352.D
Acq: 19 Jul 2019 00:43

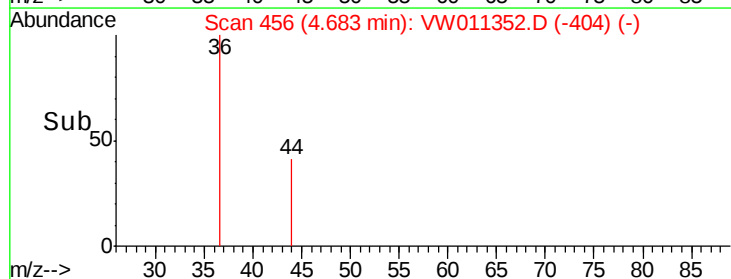
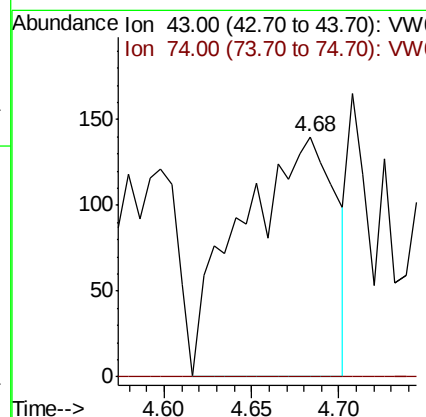
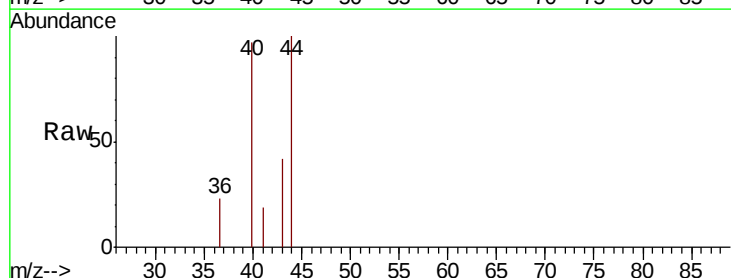
Instrument :
MSVOA_W
ClientSampled :

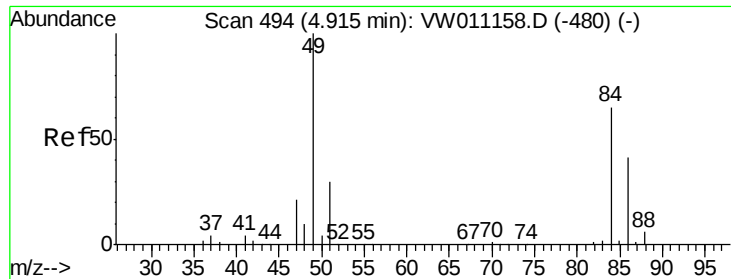
Tot Ion: 43 Resp: 4396
Ion Ratio Lower Upper
43 100
58 24.8 21.8 32.6



#18
Methyl Acetate
Concen: Below Cal
RT: 4.68 min Scan# 456
Delta R.T. 0.02 min
Lab File: VW011352.D
Acq: 19 Jul 2019 00:43

Tgt Ion: 43 Resp: 522
Ion Ratio Lower Upper
43 100
74 0.0 15.7 23.5#

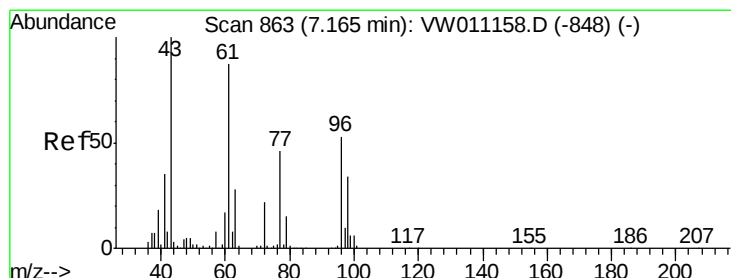
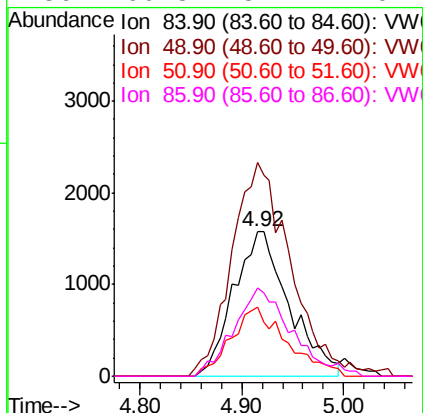
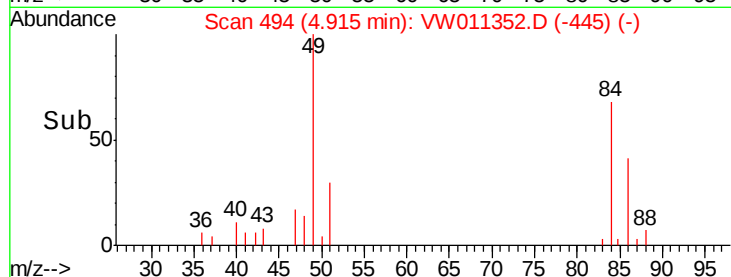
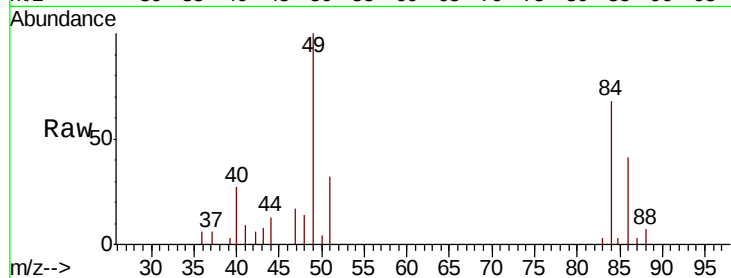




#20
Methvlene Chloride
Concen: 2.583 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW011352.D
Acq: 19 Jul 2019 00:43

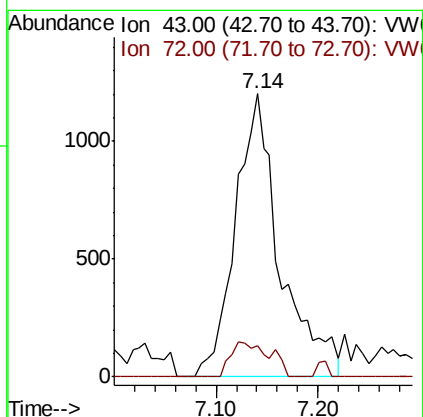
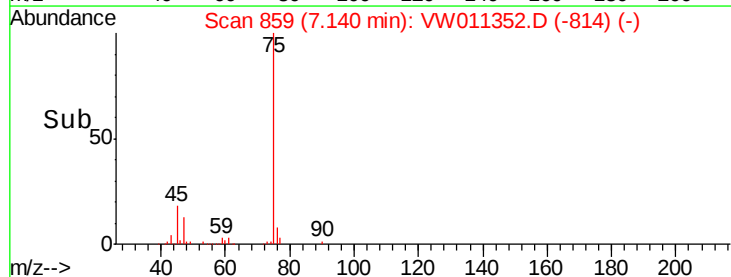
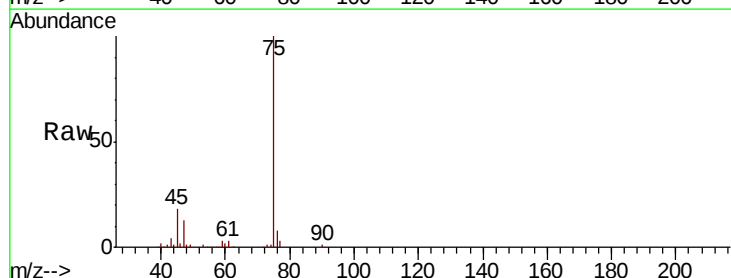
Instrument :
MSVOA_W
ClientSampled :

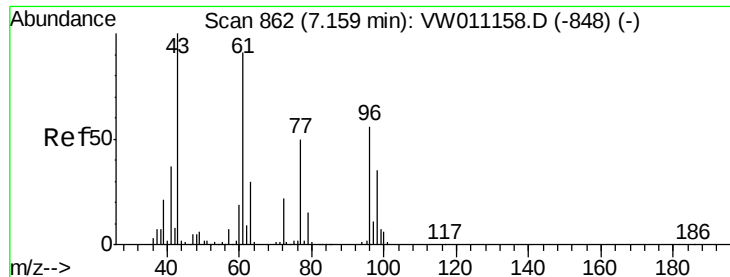
Tot Ion: 84 Resp: 5953
Ion Ratio Lower Upper
84 100
49 147.8 123.8 185.6
51 47.5 37.4 56.2
86 60.8 51.1 76.7



#25
2-Butanone
Concen: 3.986 ug/l
RT: 7.14 min Scan# 859
Delta R.T. -0.02 min
Lab File: VW011352.D
Acq: 19 Jul 2019 00:43

Tgt Ion: 43 Resp: 3655
Ion Ratio Lower Upper
43 100
72 10.8 17.6 26.4#





#26

2,2-Dichloropropane

Concen: 1.509 ug/l

RT: 7.13 min Scan# 857

Delta R.T. -0.03 min

Lab File: VW011352.D

Acq: 19 Jul 2019 00:43

Instrument :

MSVOA_W

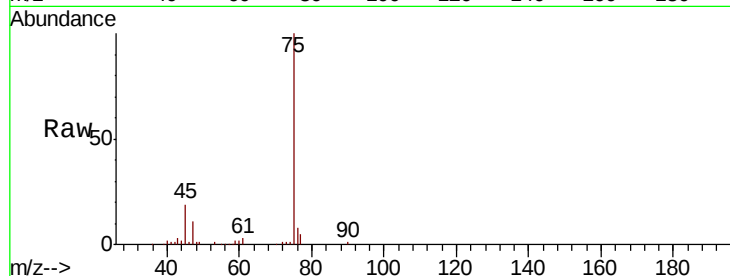
ClientSampled :

Tot Ion: 77 Resp: 3468

Ion Ratio Lower Upper

77 100

97 0.0 11.2 33.5#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW

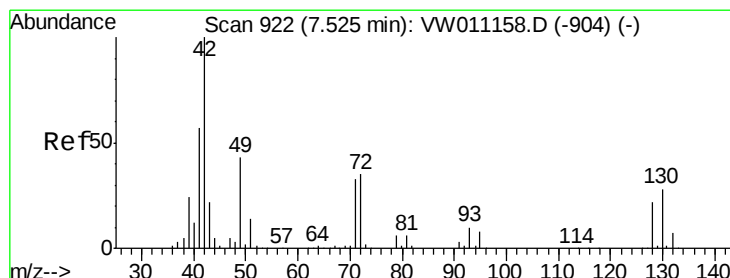
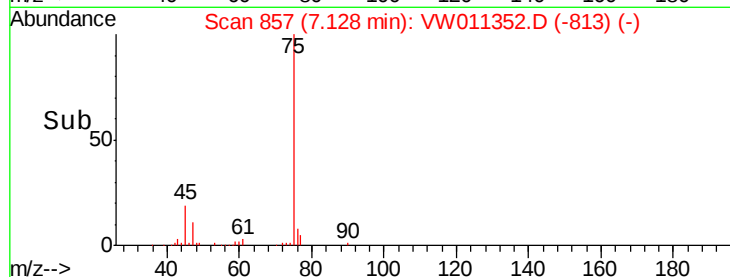
7.13

1000

500

0

Time-->



#29

Tetrahydrofuran

Concen: 1.351 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW011352.D

Acq: 19 Jul 2019 00:43

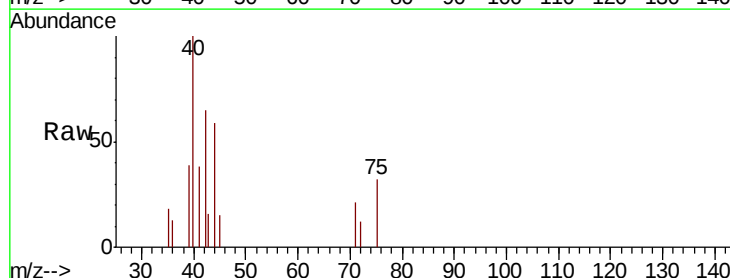
Tgt Ion: 42 Resp: 812

Ion Ratio Lower Upper

42 100

72 9.1 27.4 41.2#

71 21.2 25.9 38.9#



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

7.54

400

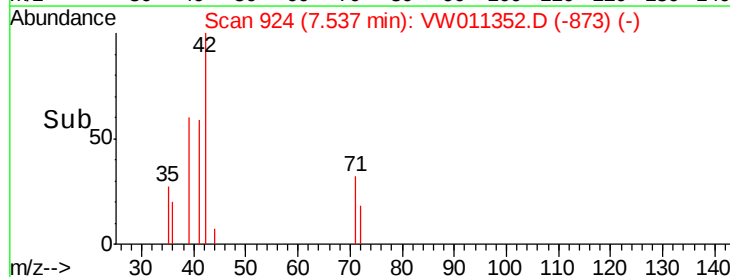
300

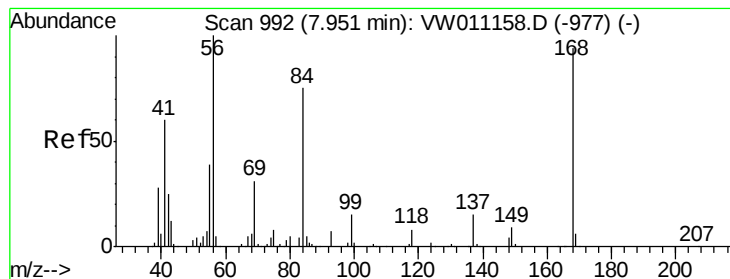
200

100

0

Time-->





#31

Cyclohexane

Concen: 1.070 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW011352.D

Acq: 19 Jul 2019 00:43

Instrument :

MSVOA_W

ClientSampled :

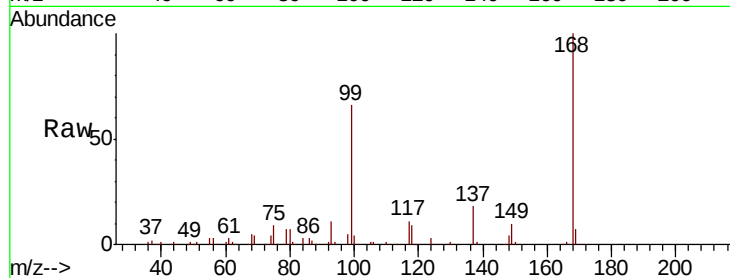
Tot Ion: 56 Resp: 5030

Ion Ratio Lower Upper

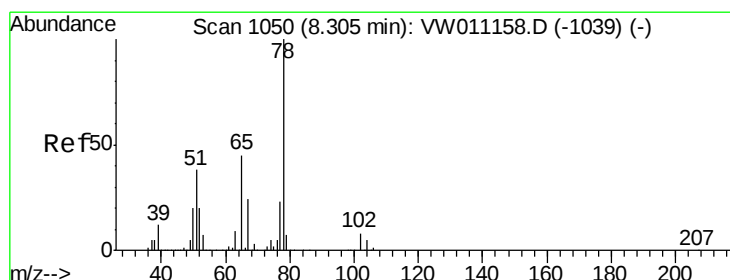
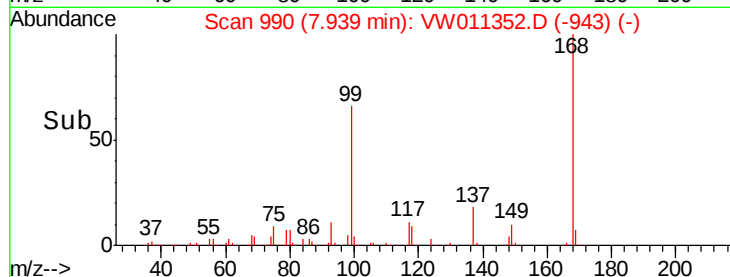
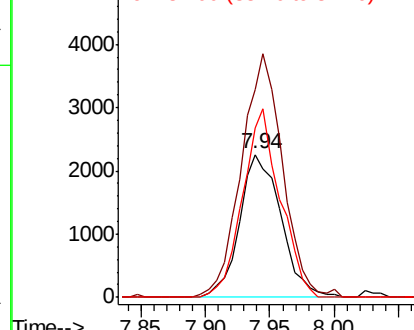
56 100

69 145.8 24.6 36.8#

84 119.0 60.1 90.1#



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: 56.539 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW011352.D

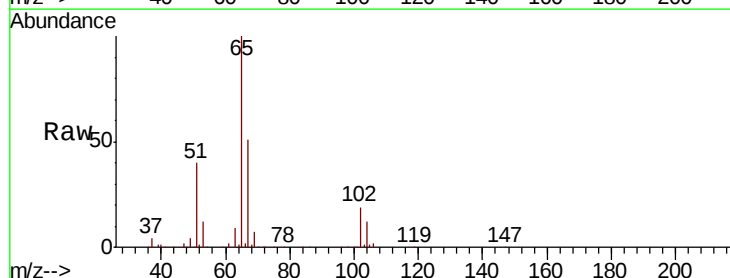
Acq: 19 Jul 2019 00:43

Tgt Ion: 65 Resp: 137254

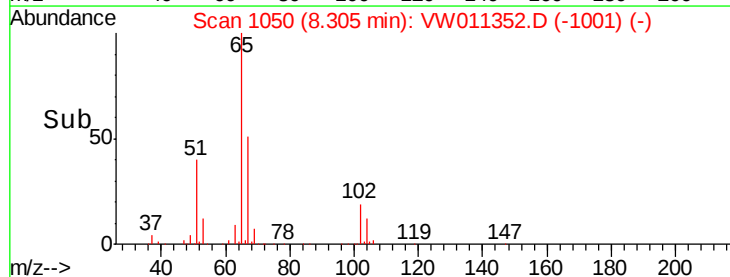
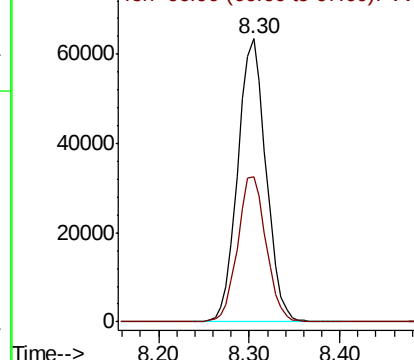
Ion Ratio Lower Upper

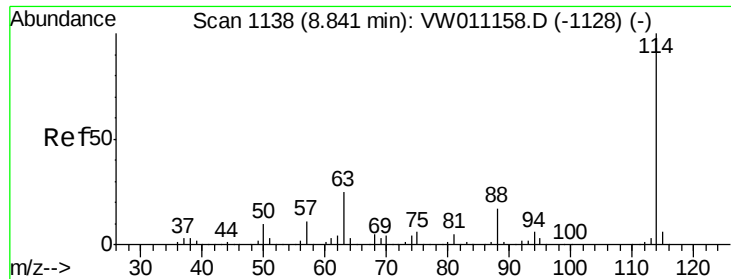
65 100

67 52.1 0.0 104.4



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

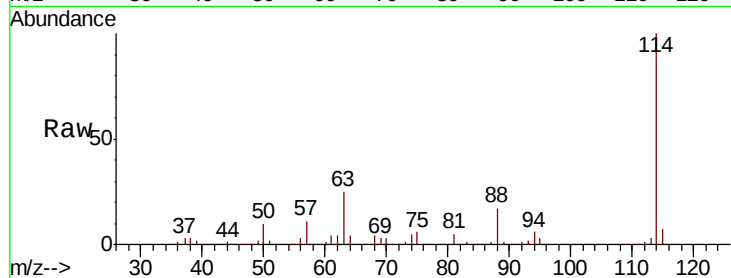




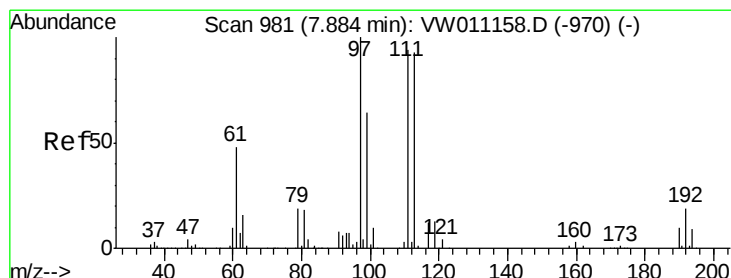
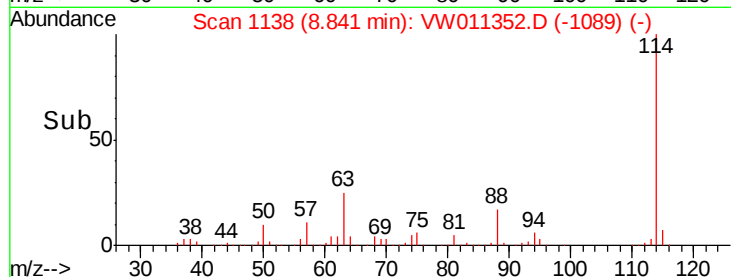
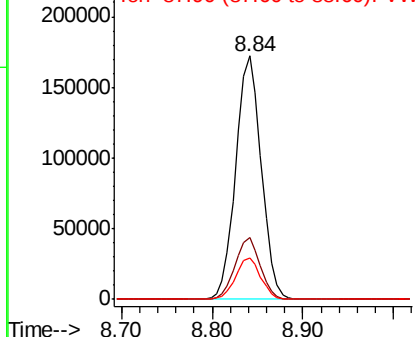
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011352.D
 Acq: 19 Jul 2019 00:43

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:114 Resp: 335631
 Ion Ratio Lower Upper
 114 100
 63 25.1 0.0 50.8
 88 17.1 0.0 34.2

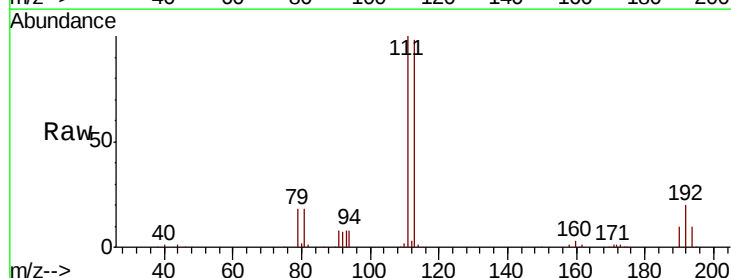


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

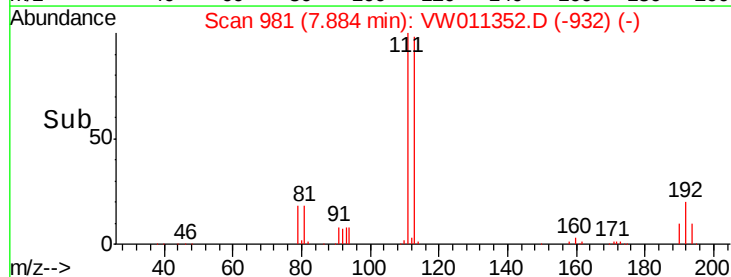
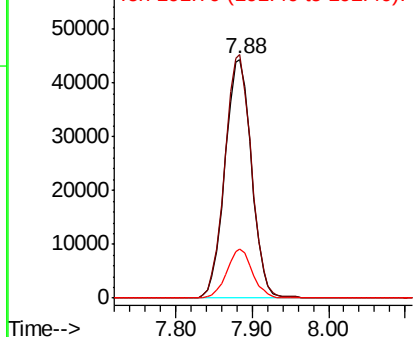


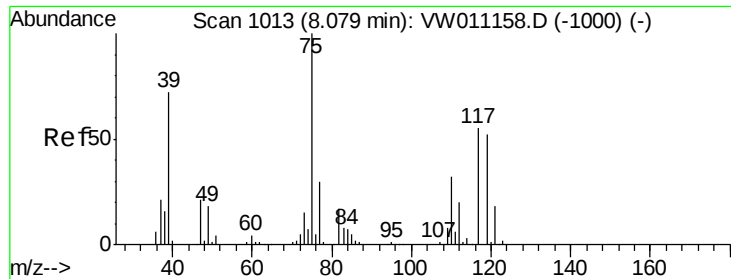
#35
 Dibromofluoromethane
 Concen: 53.205 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW011352.D
 Acq: 19 Jul 2019 00:43

Tgt Ion:113 Resp: 106437
 Ion Ratio Lower Upper
 113 100
 111 101.9 82.4 123.6
 192 19.7 15.8 23.8



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

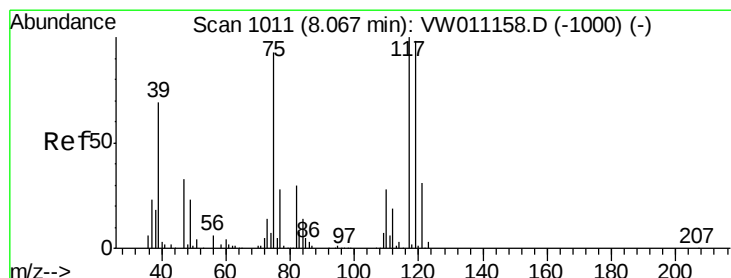
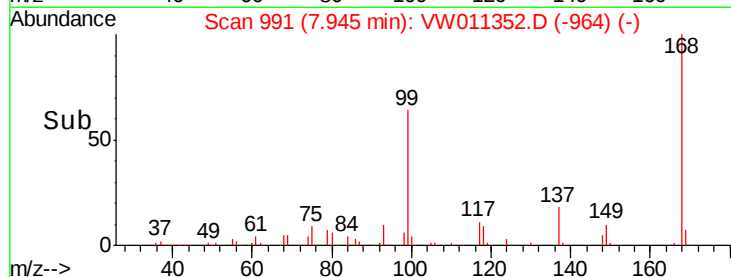
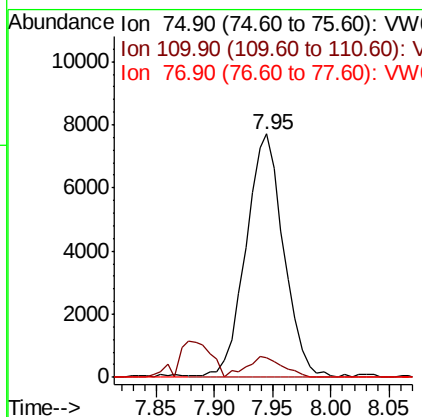
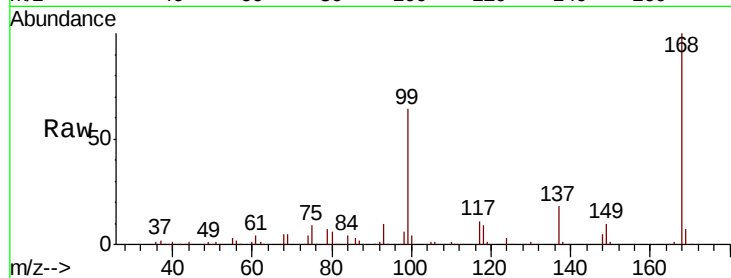




#36
 1,1-Dichloropropene
 Concen: 4.876 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW011352.D
 Acq: 19 Jul 2019 00:43

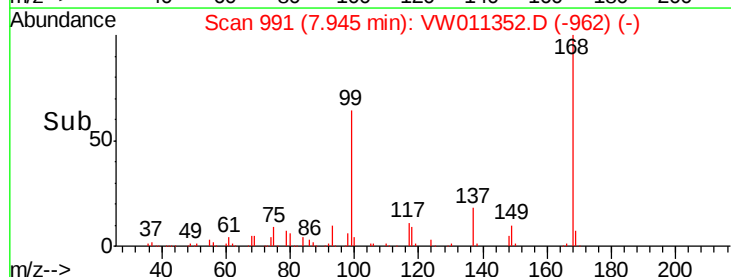
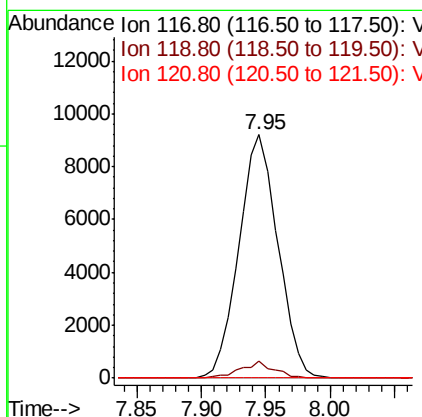
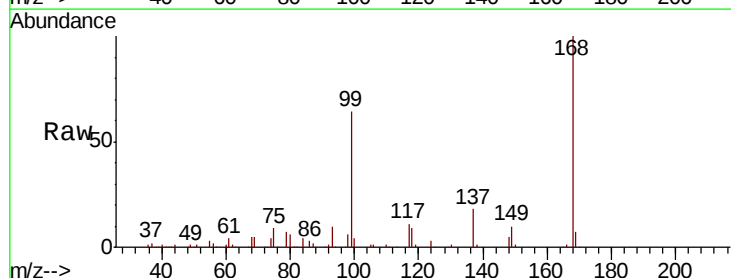
Instrument :
 MSVOA_W
 ClientSampleId :

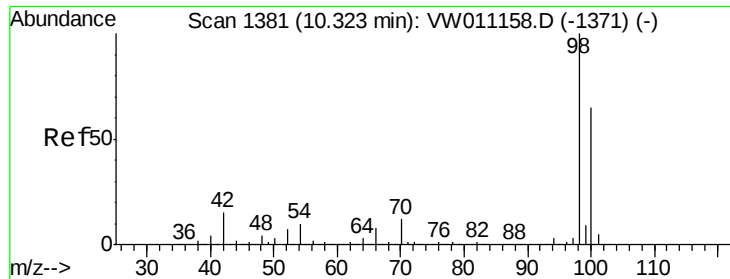
Tot Ion: 75 Resp: 17428
 Ion Ratio Lower Upper
 75 100
 110 7.2 15.9 47.6#
 77 0.0 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 6.370 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW011352.D
 Acq: 19 Jul 2019 00:43

Tgt Ion: 117 Resp: 19299
 Ion Ratio Lower Upper
 117 100
 119 6.8 78.1 117.1#
 121 0.0 25.1 37.7#





#50

Toluene-d8

Concen: 51.872 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW011352.D

Acq: 19 Jul 2019 00:43

Instrument :

MSVOA_W

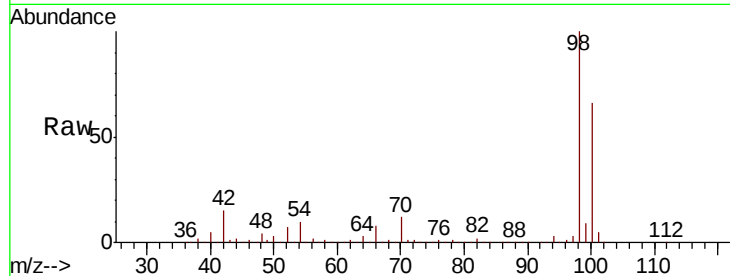
ClientSampled :

Tot Ion: 98 Resp: 419459

Ion Ratio Lower Upper

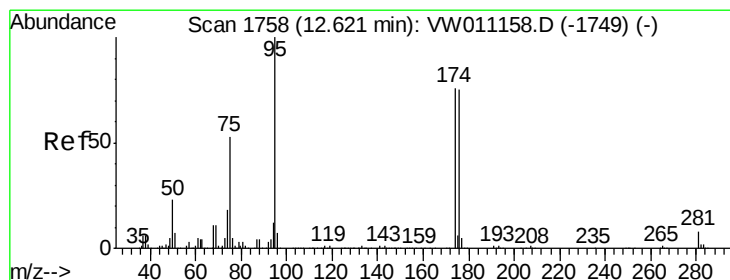
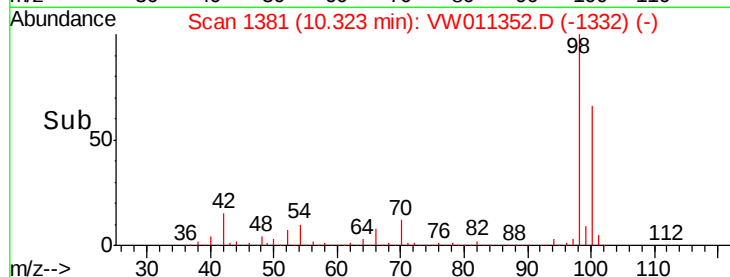
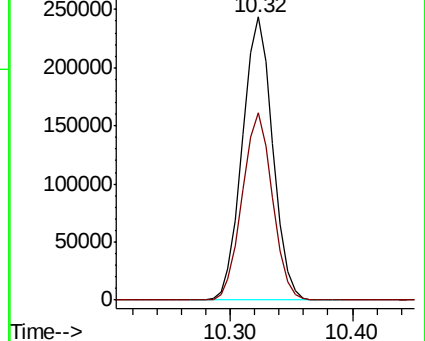
98 100

100 65.8 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#62

4-Bromofluorobenzene

Concen: 47.953 ug/l

RT: 12.61 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VW011352.D

Acq: 19 Jul 2019 00:43

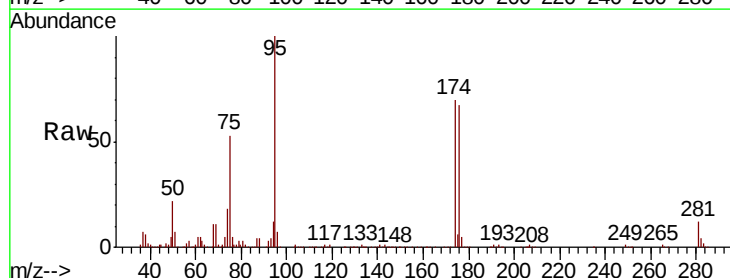
Tgt Ion: 95 Resp: 142131

Ion Ratio Lower Upper

95 100

174 75.2 0.0 147.6

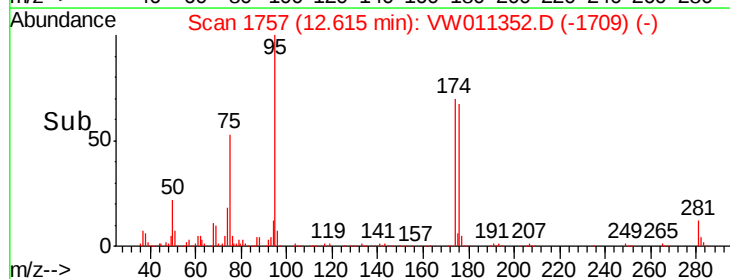
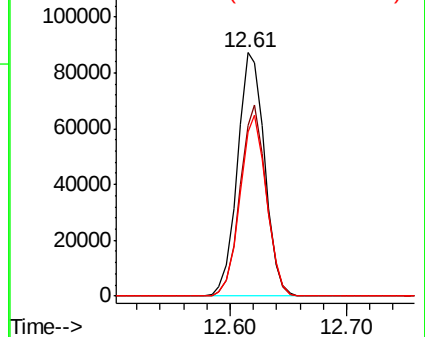
176 72.3 0.0 144.6

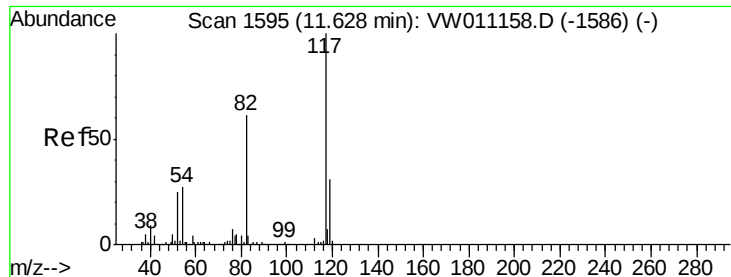


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

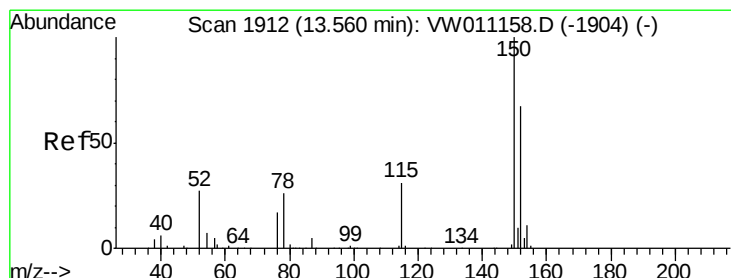
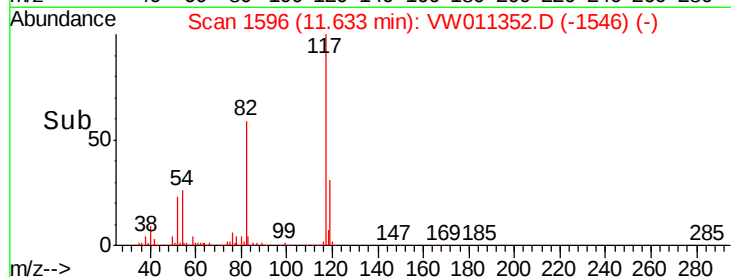
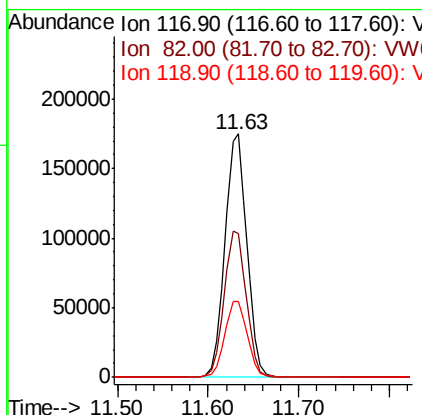
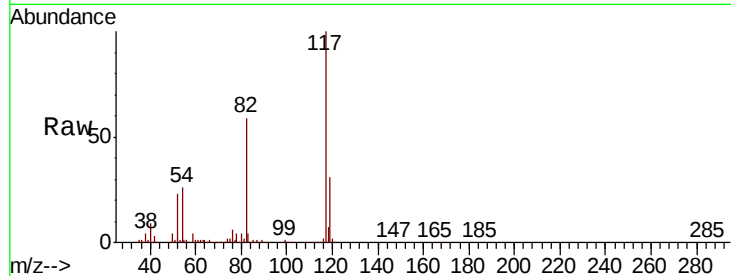




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW011352.D
Acq: 19 Jul 2019 00:43

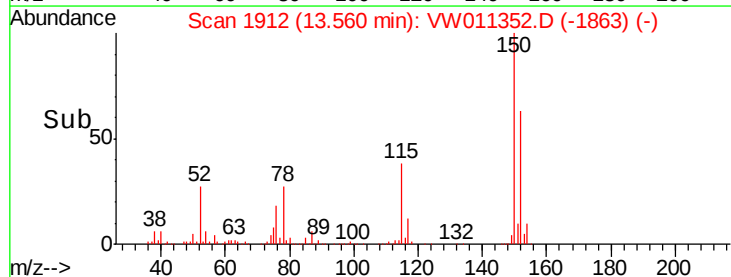
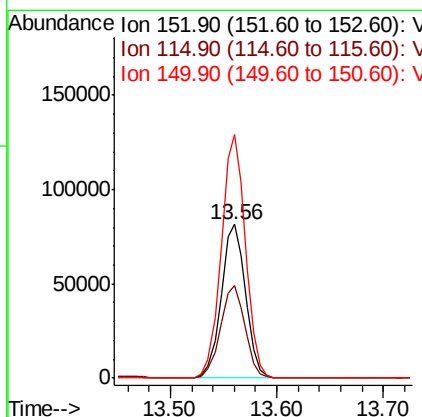
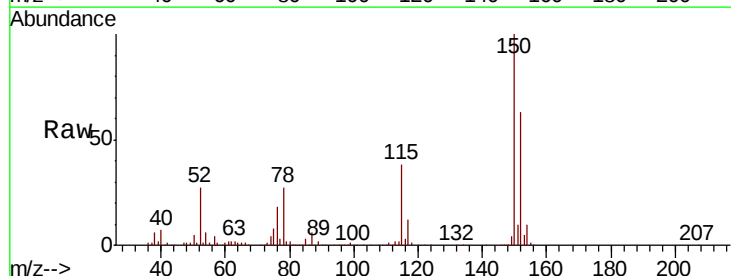
Instrument :
MSVOA_W
ClientSampleId :

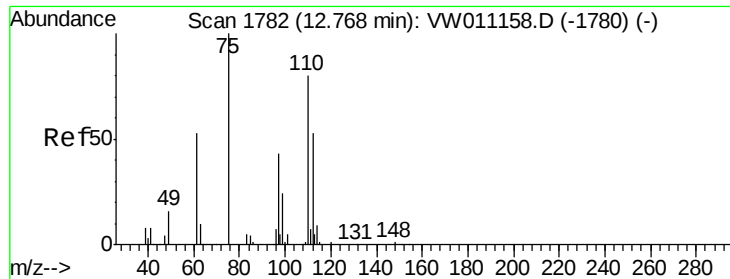
Tot Ion:117 Resp: 292798
Ion Ratio Lower Upper
117 100
82 58.9 48.9 73.3
119 31.3 25.0 37.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW011352.D
Acq: 19 Jul 2019 00:43

Tgt Ion:152 Resp: 130063
Ion Ratio Lower Upper
152 100
115 60.2 30.1 90.3
150 156.5 0.0 346.0



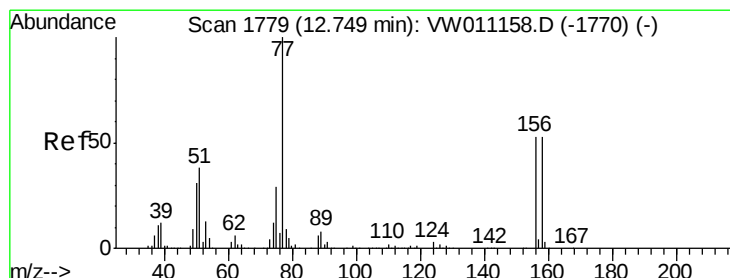
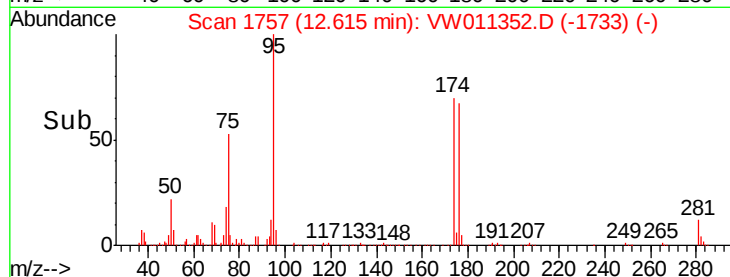
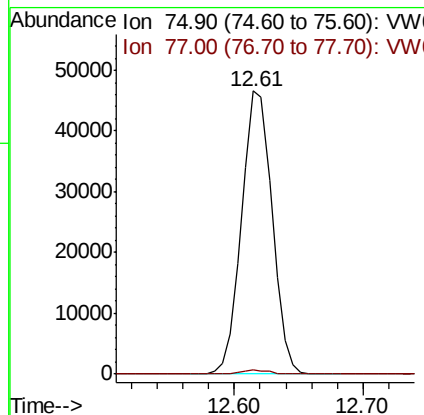
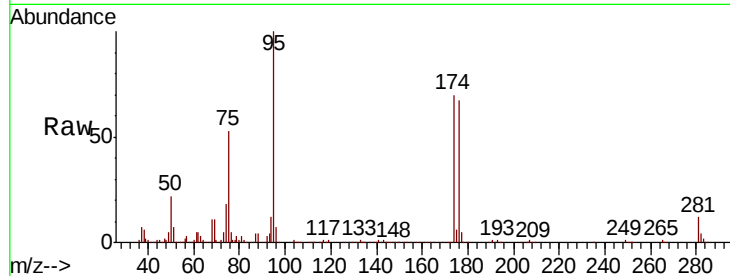


#76

1,2,3-Trichloropropane
Concen: 50.916 ug/l
RT: 12.61 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW011352.D
Acq: 19 Jul 2019 00:43

Instrument :
MSVOA_W
ClientSampled :

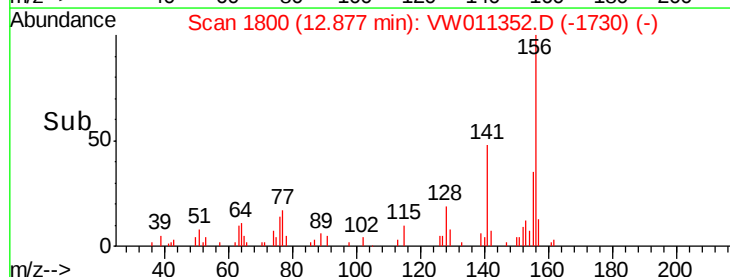
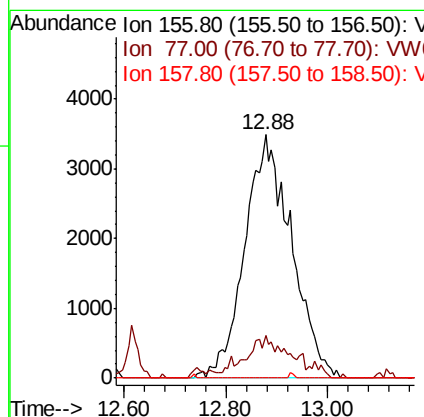
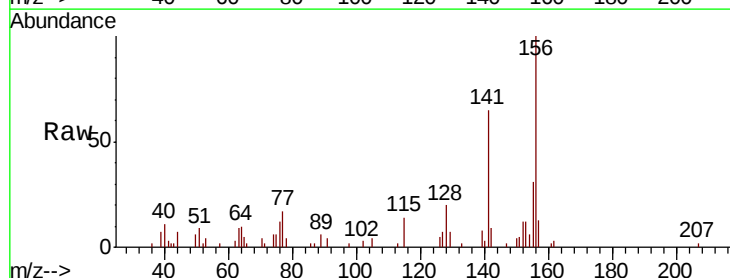
Tot Ion: 75 Resp: 76529
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#

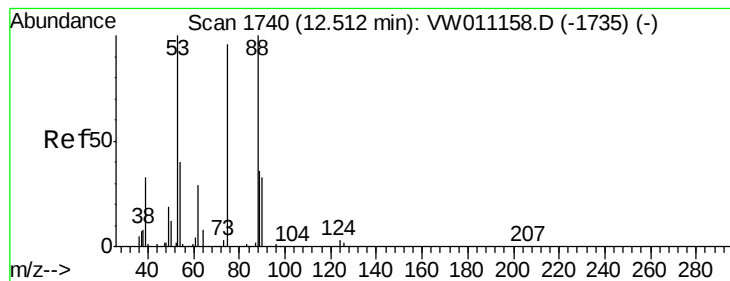


#77

Bromobenzene
Concen: 10.118 ug/l
RT: 12.88 min Scan# 1800
Delta R.T. 0.13 min
Lab File: VW011352.D
Acq: 19 Jul 2019 00:43

Tgt Ion: 156 Resp: 22077
Ion Ratio Lower Upper
156 100
77 2.3 109.0 327.0#
158 0.0 48.8 146.3#





#81

trans-1,4-Dichloro-2-butene

Concen: 115.162 ug/l

RT: 12.61 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011352.D

Acq: 19 Jul 2019 00:43

Instrument :

MSVOA_W

ClientSampleId :

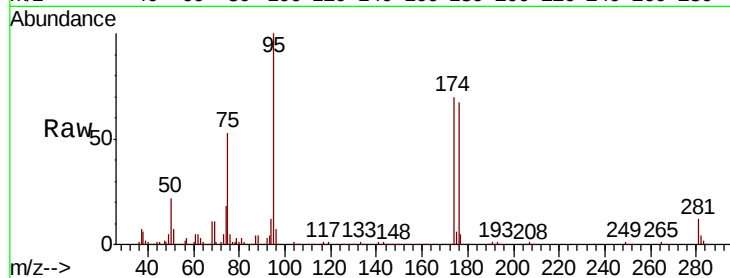
Tot Ion: 75 Resp: 76529

Ion Ratio Lower Upper

75 100

53 0.0 89.8 134.6#

89 0.2 34.3 51.5#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

