

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071819\
 Data File : VW011359.D
 Acq On : 19 Jul 2019 03:52
 Operator : SY/VA
 Sample : K3835-08
 Misc : 6.32G/5ML/MSVOA W/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 19 06:50:28 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	156666	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	288407	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	254201	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	114218	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	99049	50.32	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.64%	
35) Dibromofluoromethane	7.88	113	73805	42.93	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	85.86%	
50) Toluene-d8	10.32	98	289715	41.69	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	83.38%	
62) 4-Bromofluorobenzene	12.62	95	100335	39.39	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	78.78%	

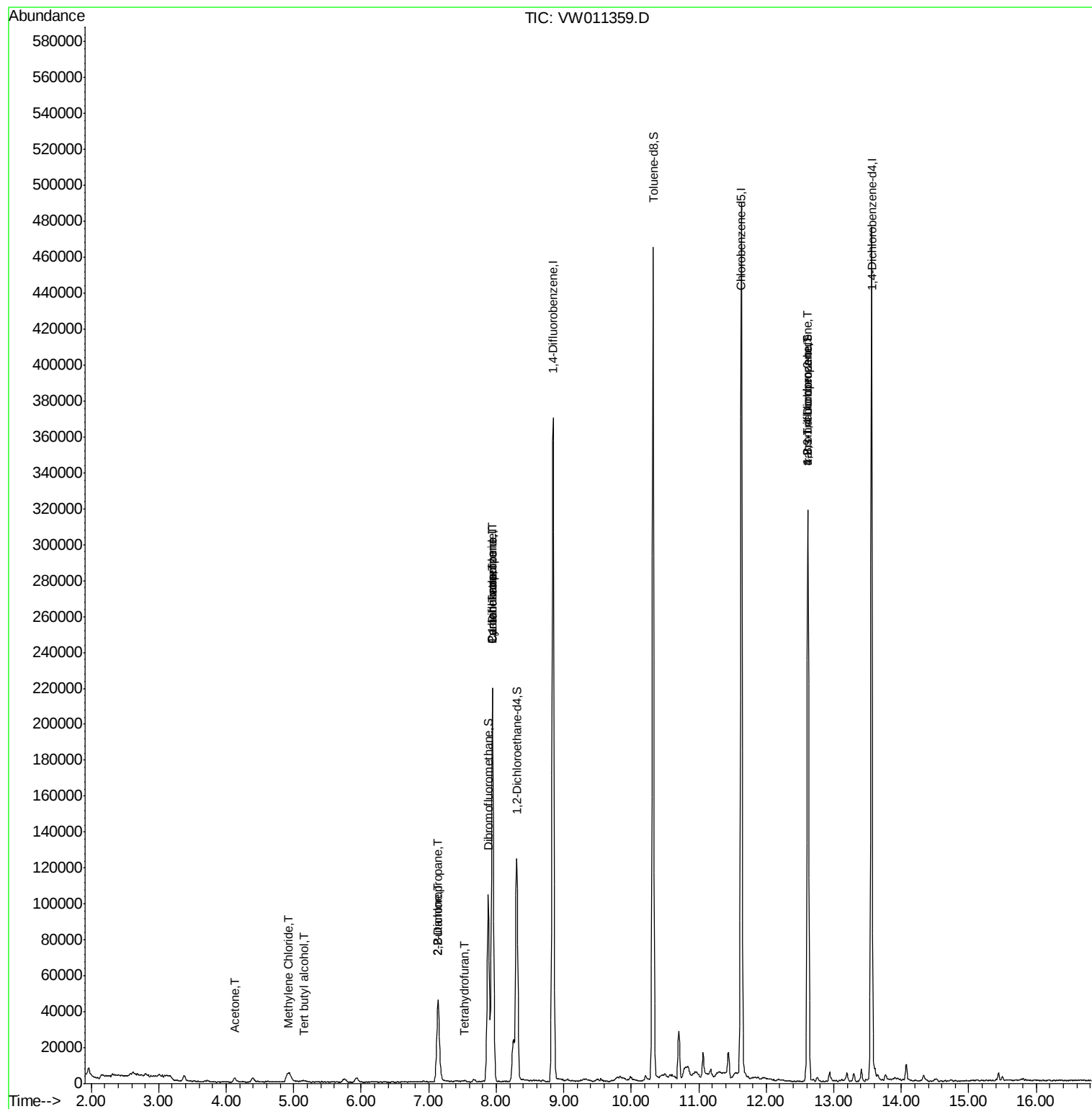
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.16	59	1620	11.115	ug/l #	74
16) Acetone	4.12	43	4826	10.189	ug/l	99
18) Methyl Acetate	4.67	43	320	Below Cal	#	57
20) Methylene Chloride	4.92	84	4001	2.141	ug/l #	77
25) 2-Butanone	7.13	43	2787	3.748	ug/l #	85
26) 2,2-Dichloropropane	7.13	77	3218	1.727	ug/l #	53
29) Tetrahydrofuran	7.54	42	750	1.538	ug/l #	55
31) Cyclohexane	7.95	56	3939	1.033	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	14351	4.673	ug/l #	50
38) Carbon Tetrachloride	7.95	117	16014	6.151	ug/l #	15
76) 1,2,3-Trichloropropane	12.62	75	54033	40.936	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	54033	92.590	ug/l #	6

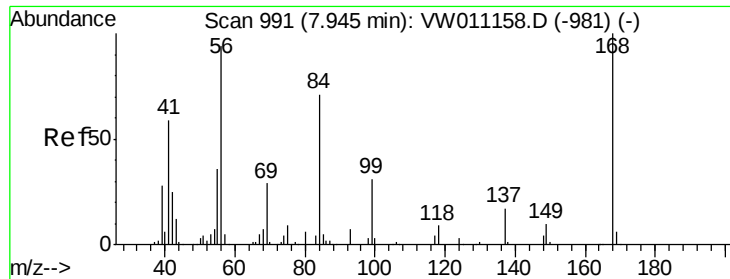
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW011359.D

Acq: 19 Jul 2019 03:52

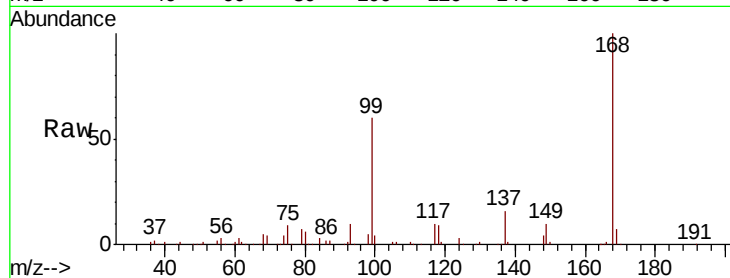
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 156666

Ion Ratio Lower Upper

168 100

99 60.2 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

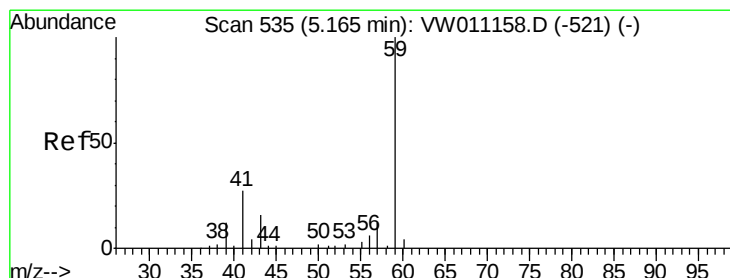
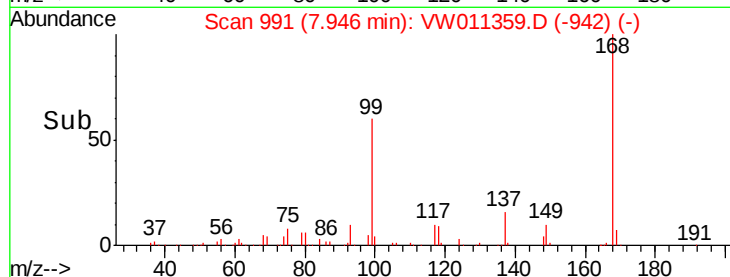
40000

20000

0

7.90 8.00

Time-->



#11

Tert butyl alcohol

Concen: 11.115 ug/l

RT: 5.16 min Scan# 534

Delta R.T. -0.01 min

Lab File: VW011359.D

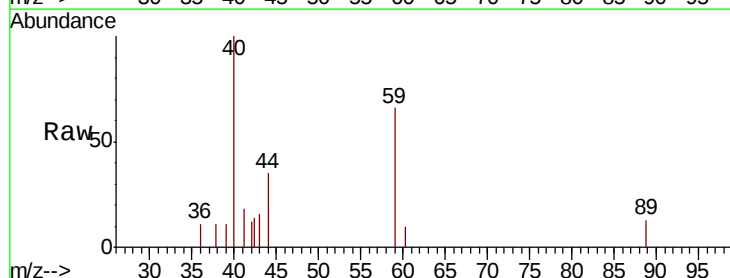
Acq: 19 Jul 2019 03:52

Tgt Ion: 59 Resp: 1620

Ion Ratio Lower Upper

59 100

57 1.2 9.0 13.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.16

400

300

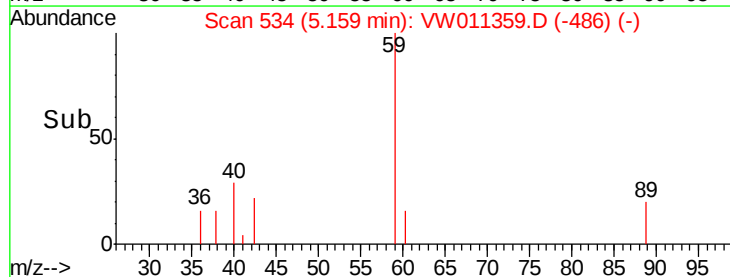
200

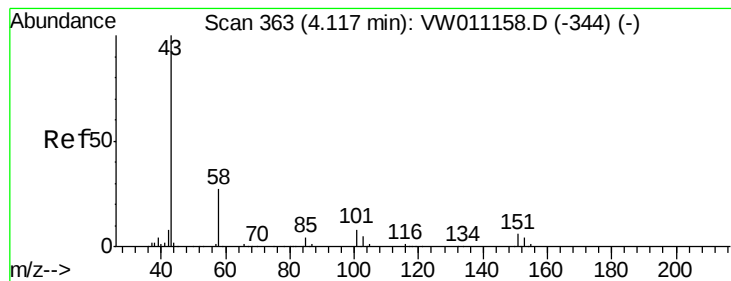
100

0

5.10 5.20

Time-->





#16

Acetone

Concen: 10.189 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW011359.D

Acq: 19 Jul 2019 03:52

Instrument :

MSVOA_W

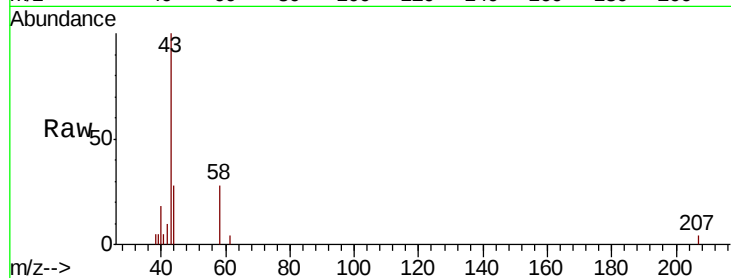
ClientSampleId :

Tot Ion: 43 Resp: 4826

Ion Ratio Lower Upper

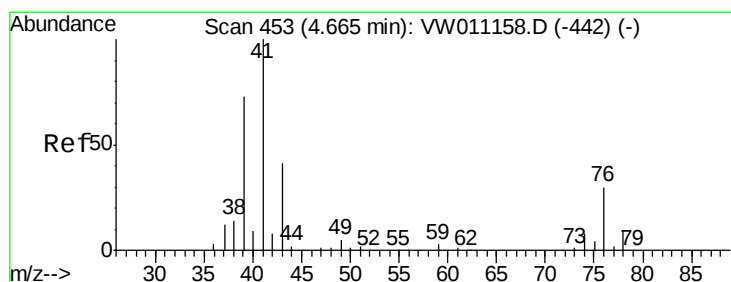
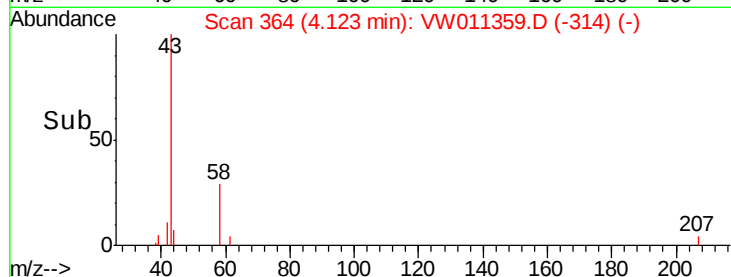
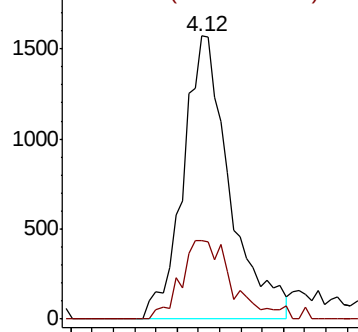
43 100

58 27.6 21.8 32.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#18

Methyl Acetate

Concen: Below Cal

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW011359.D

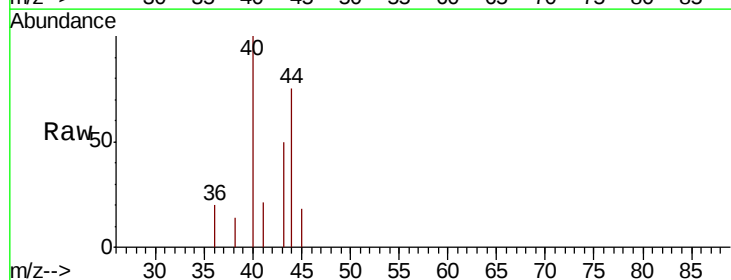
Acq: 19 Jul 2019 03:52

Tgt Ion: 43 Resp: 320

Ion Ratio Lower Upper

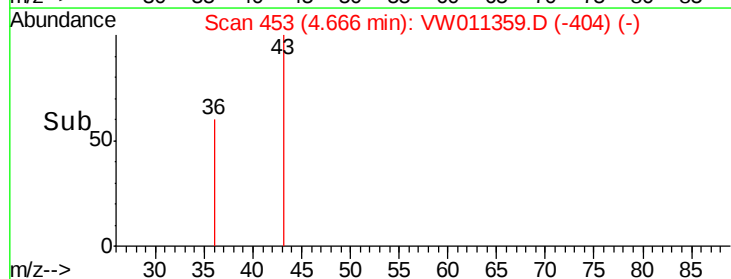
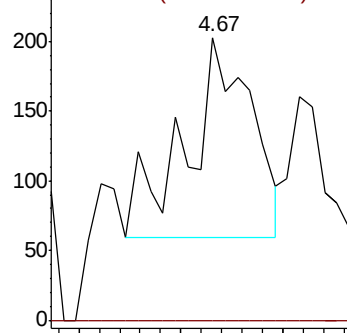
43 100

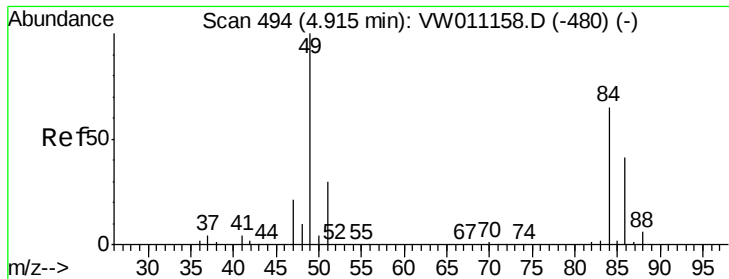
74 0.0 15.7 23.5#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

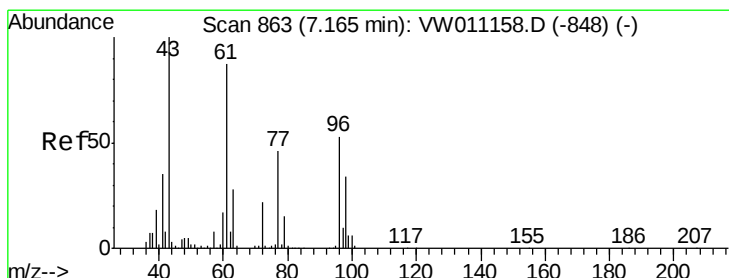
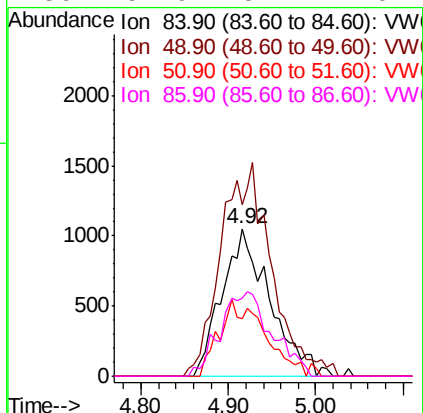
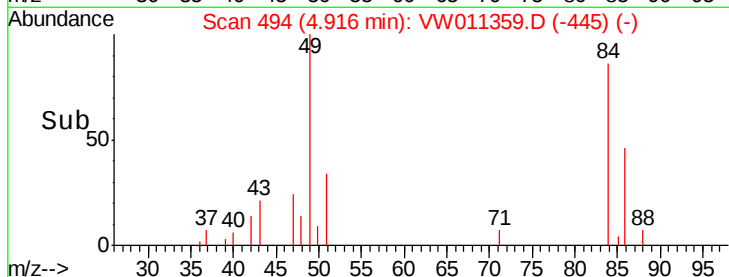
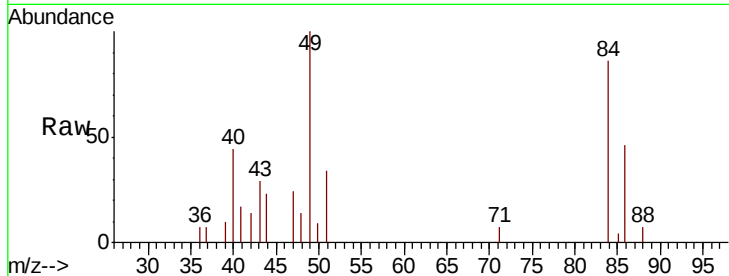




#20
Methvlene Chloride
Concen: 2.141 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW011359.D
Acq: 19 Jul 2019 03:52

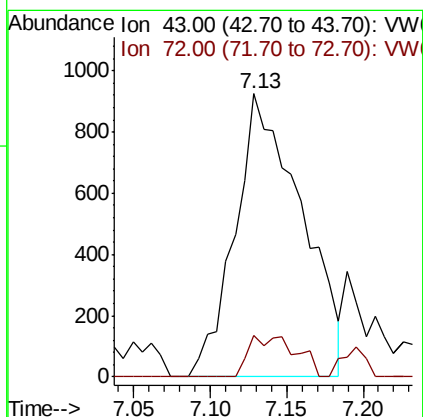
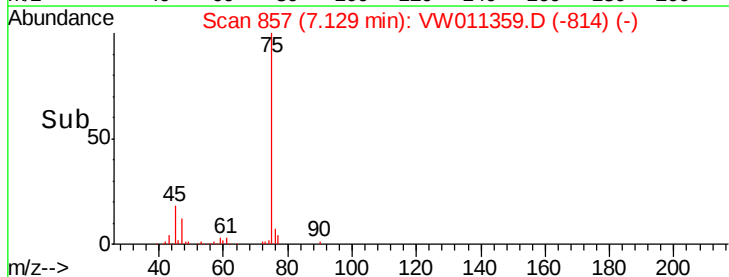
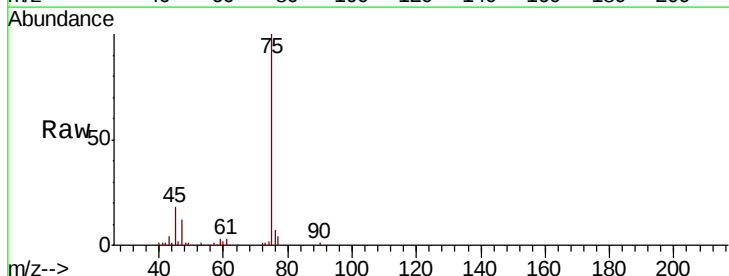
Instrument :
MSVOA_W
ClientSampled :

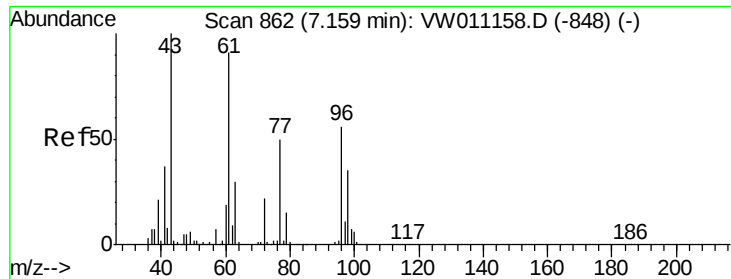
Tot Ion: 84 Resp: 4001
Ion Ratio Lower Upper
84 100
49 116.2 123.8 185.6#
51 39.3 37.4 56.2
86 52.9 51.1 76.7



#25
2-Butanone
Concen: 3.748 ug/l
RT: 7.13 min Scan# 857
Delta R.T. -0.04 min
Lab File: VW011359.D
Acq: 19 Jul 2019 03:52

Tgt Ion: 43 Resp: 2787
Ion Ratio Lower Upper
43 100
72 14.8 17.6 26.4#

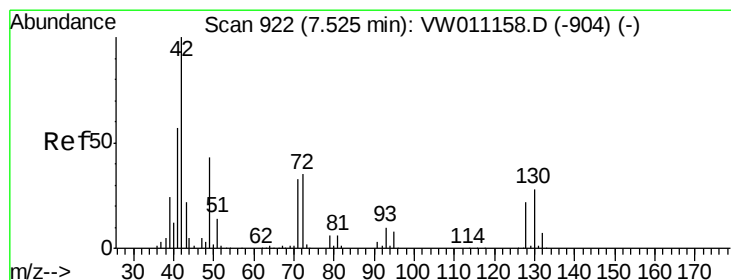
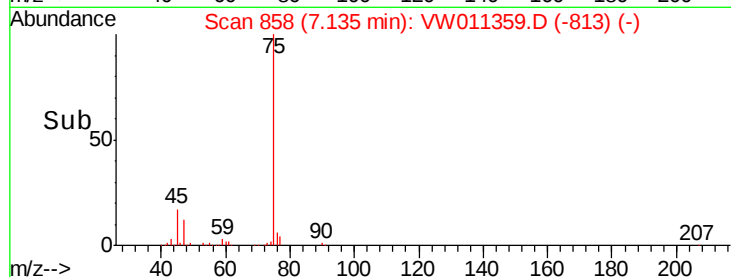
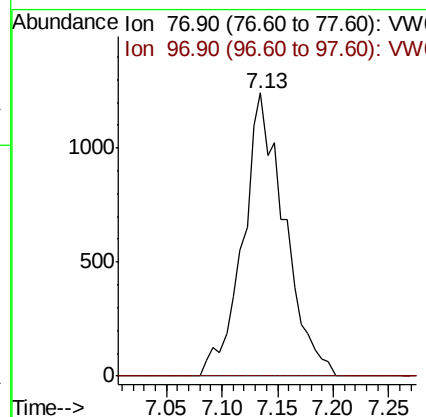
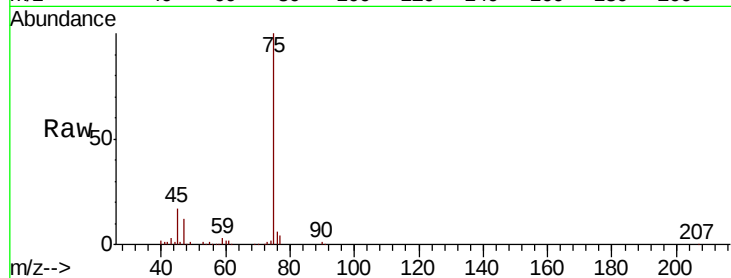




#26
 2,2-Dichloropropane
 Concen: 1.727 ug/l
 RT: 7.13 min Scan# 858
 Delta R.T. -0.02 min
 Lab File: VW011359.D
 Acq: 19 Jul 2019 03:52

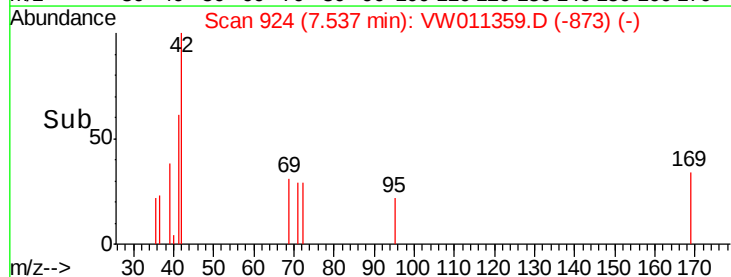
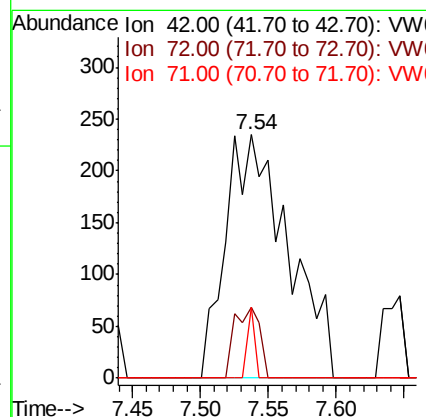
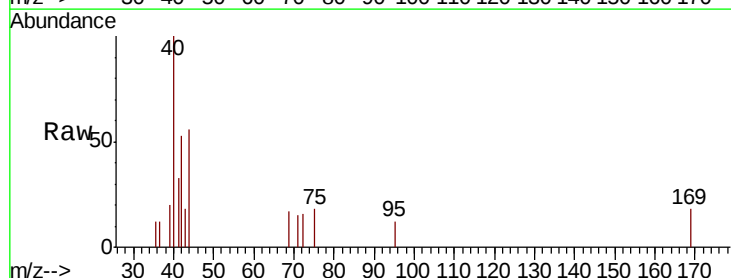
Instrument :
 MSVOA_W
 ClientSampled :

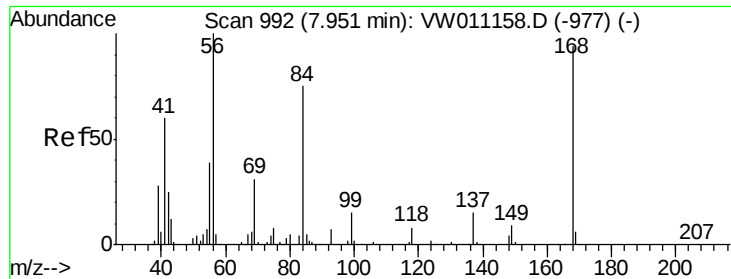
Tot Ion: 77 Resp: 3218
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.2 33.5#



#29
 Tetrahydrofuran
 Concen: 1.538 ug/l
 RT: 7.54 min Scan# 924
 Delta R.T. 0.01 min
 Lab File: VW011359.D
 Acq: 19 Jul 2019 03:52

Tgt Ion: 42 Resp: 750
 Ion Ratio Lower Upper
 42 100
 72 11.6 27.4 41.2#
 71 3.3 25.9 38.9#

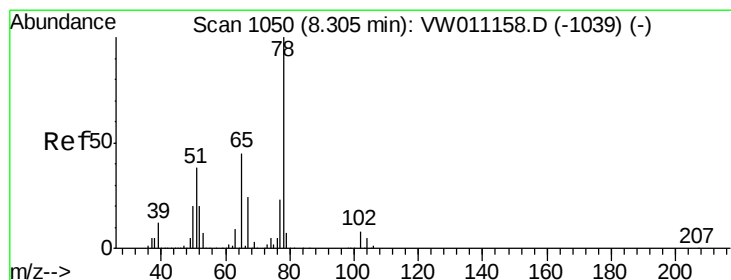
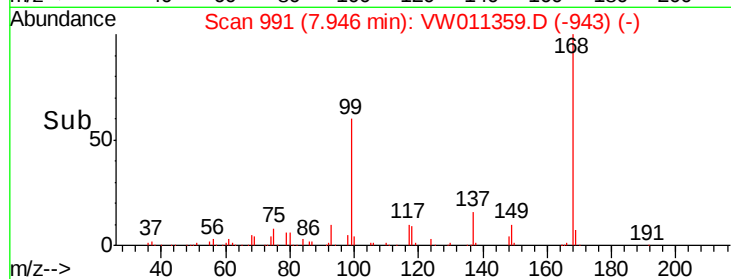
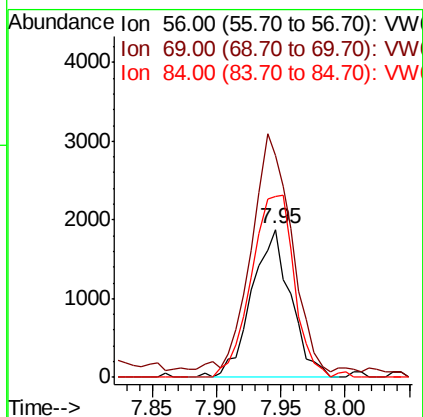
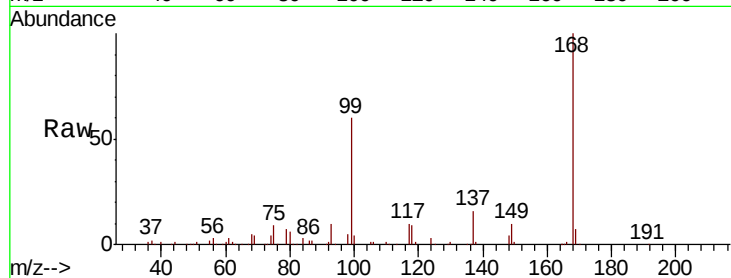




#31
Cyclohexane
Concen: 1.033 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW011359.D
Acq: 19 Jul 2019 03:52

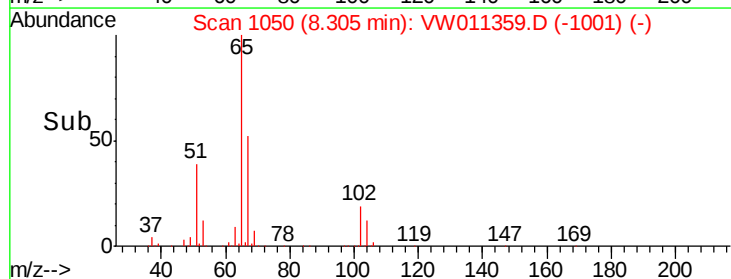
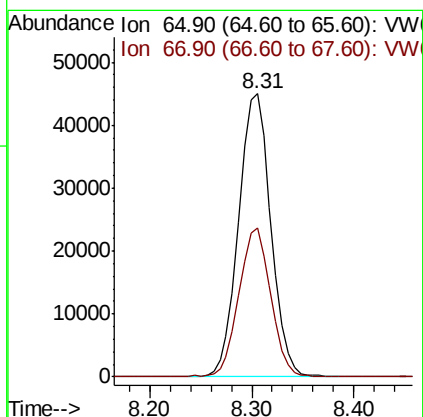
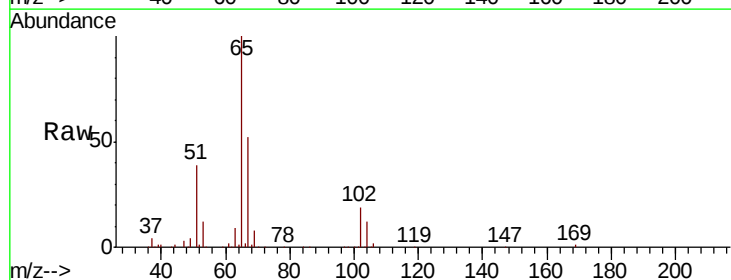
Instrument :
MSVOA_W
ClientSampled :

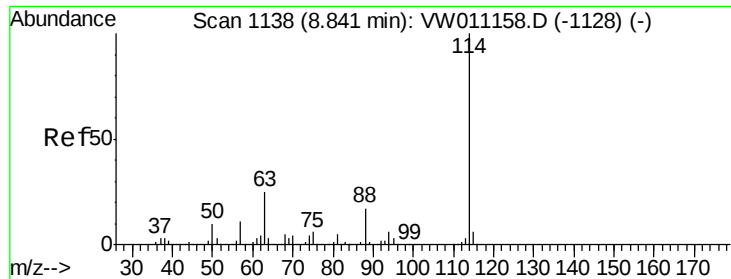
Tot Ion	56	Resp	3939
Ion Ratio	Lower	Upper	
56	100		
69	145.0	24.6	36.8#
84	122.6	60.1	90.1#



#33
1,2-Dichloroethane-d4
Concen: 50.315 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VW011359.D
Acq: 19 Jul 2019 03:52

Tgt Ion	65	Resp	99049
Ion Ratio	Lower	Upper	
65	100		
67	52.1	0.0	104.4

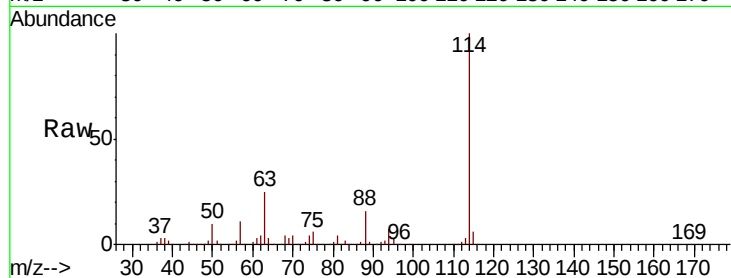




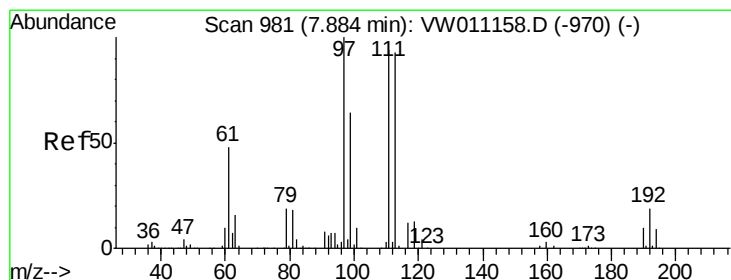
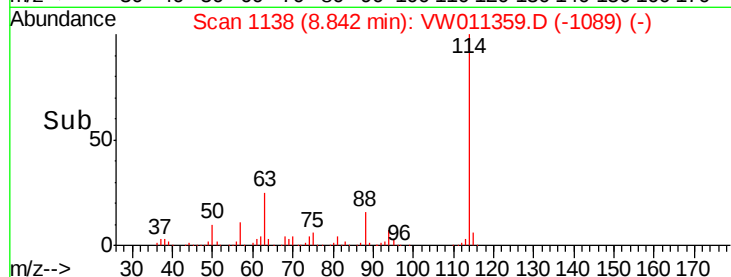
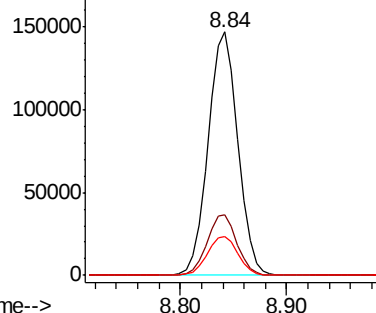
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011359.D
 Acq: 19 Jul 2019 03:52

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	24.7	0.0	50.8
88	16.1	0.0	34.2

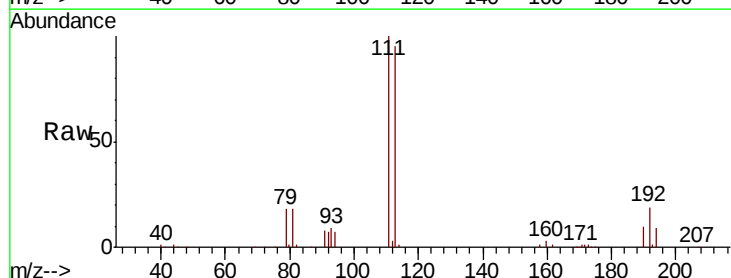


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

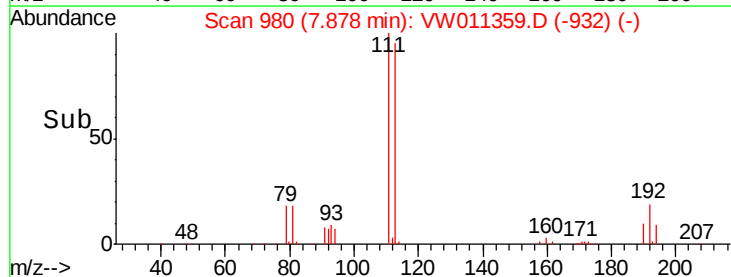
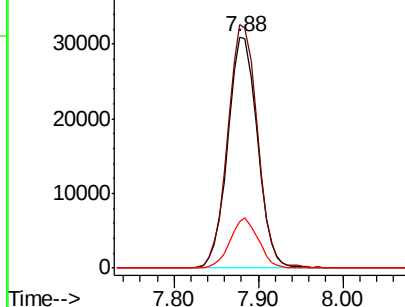


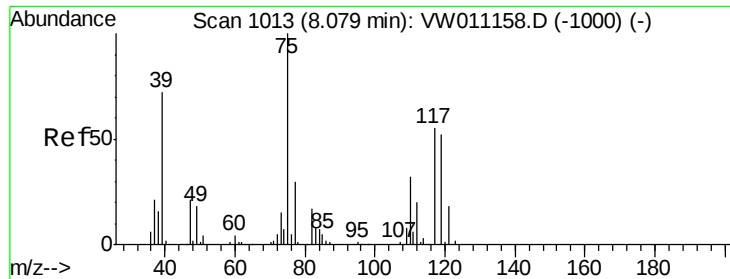
#35
 Dibromofluoromethane
 Concen: 42.934 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW011359.D
 Acq: 19 Jul 2019 03:52

Tgt Ion	Ratio	Lower	Upper
113	100		
111	105.1	82.4	123.6
192	20.5	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

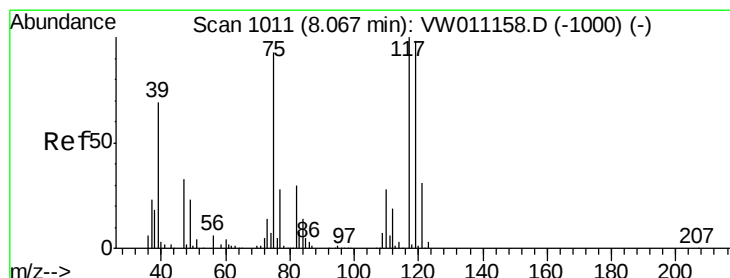
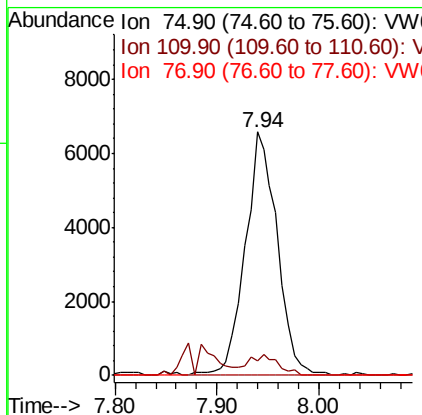
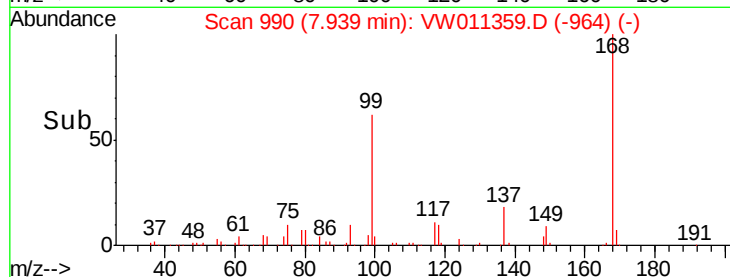
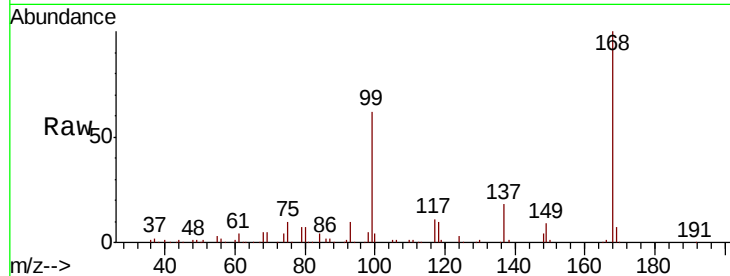




#36
 1,1-Dichloropropene
 Concen: 4.673 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW011359.D
 Acq: 19 Jul 2019 03:52

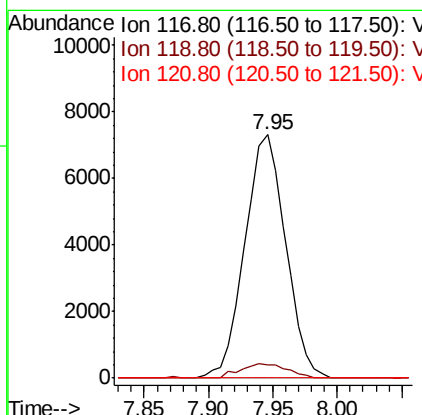
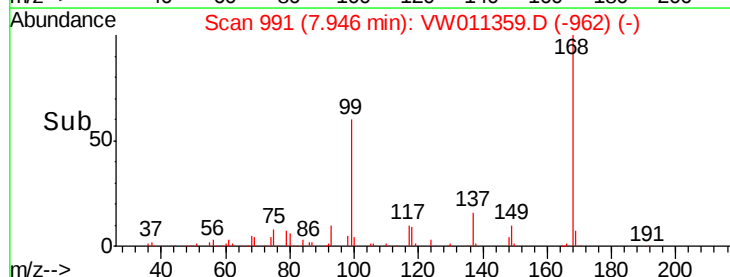
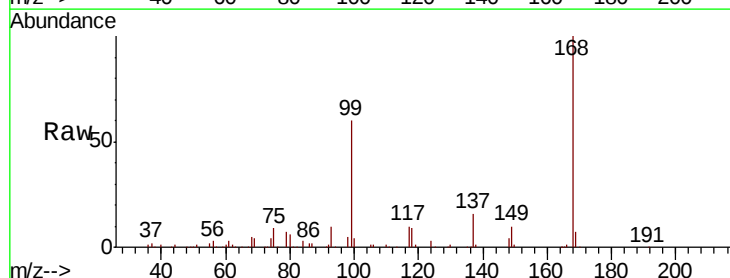
Instrument :
 MSVOA_W
 ClientSampleId :

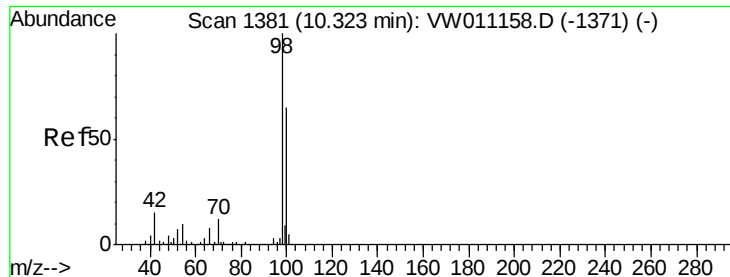
Tot Ion	Ratio	Lower	Upper
75	100		
110	7.7	15.9	47.6#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 6.151 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW011359.D
 Acq: 19 Jul 2019 03:52

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.2	78.1	117.1#
121	0.0	25.1	37.7#





#50

Toluene-d8

Concen: 41.694 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW011359.D

Acq: 19 Jul 2019 03:52

Instrument :

MSVOA_W

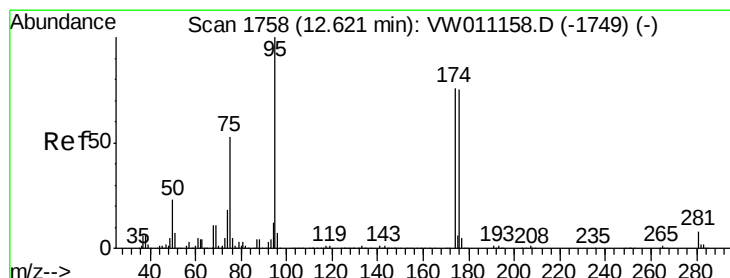
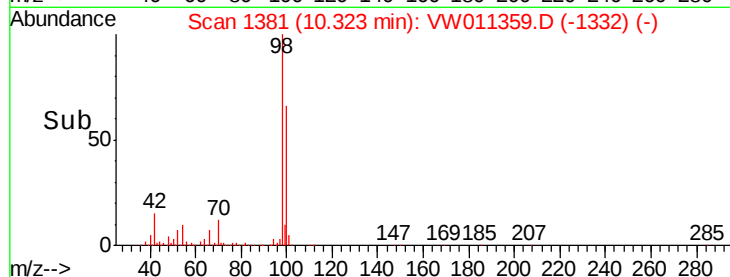
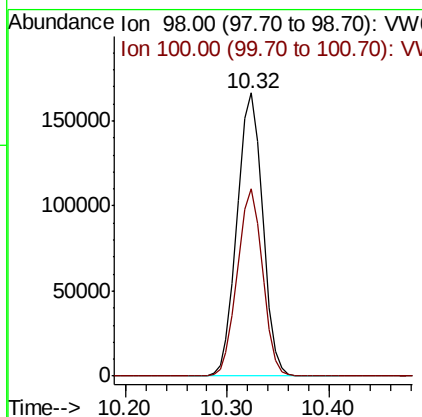
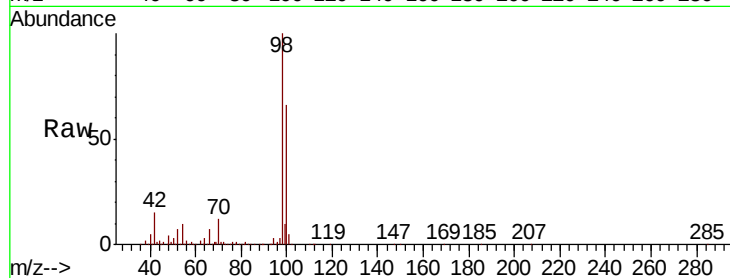
ClientSampleId :

Tot Ion: 98 Resp: 289715

Ion Ratio Lower Upper

98 100

100 65.2 52.4 78.6



#62

4-Bromofluorobenzene

Concen: 39.395 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VW011359.D

Acq: 19 Jul 2019 03:52

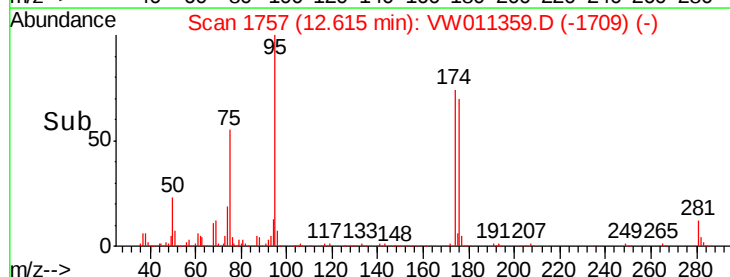
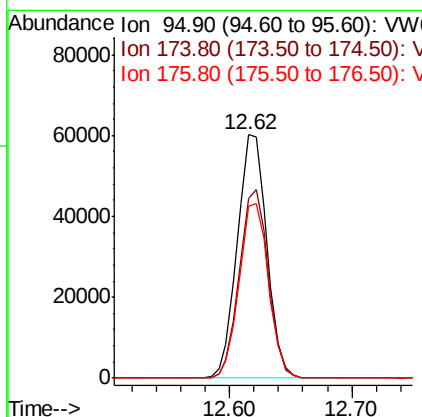
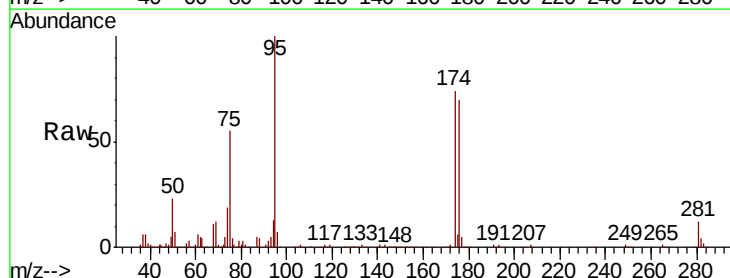
Tgt Ion: 95 Resp: 100335

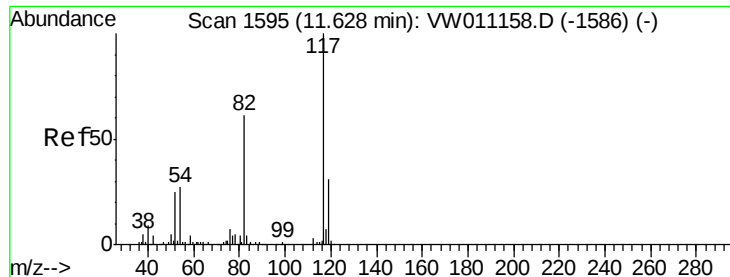
Ion Ratio Lower Upper

95 100

174 76.3 0.0 147.6

176 71.8 0.0 144.6

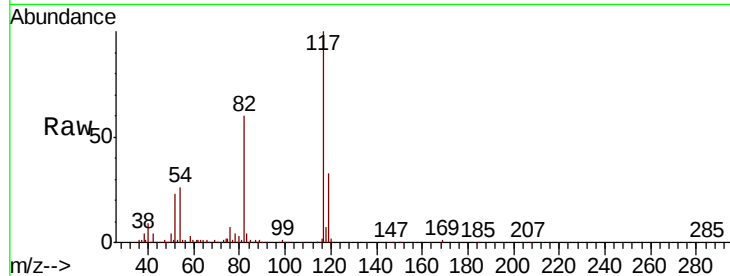




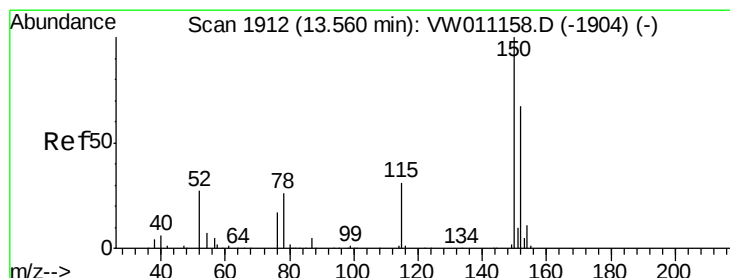
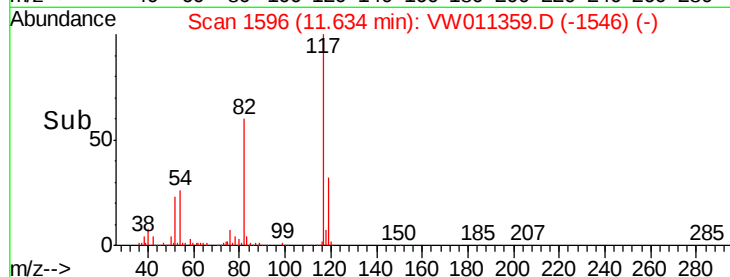
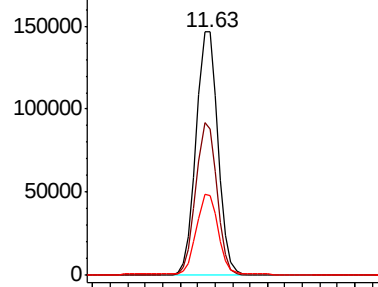
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW011359.D
Acq: 19 Jul 2019 03:52

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 254201
Ion Ratio Lower Upper
117 100
82 60.1 48.9 73.3
119 32.7 25.0 37.6

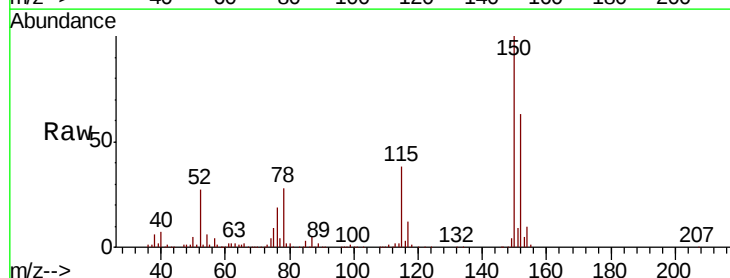


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

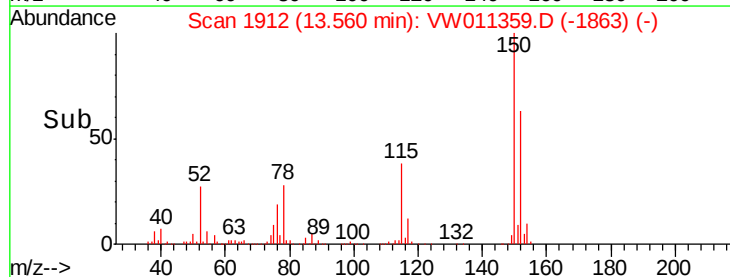
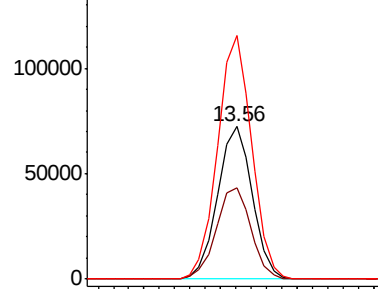


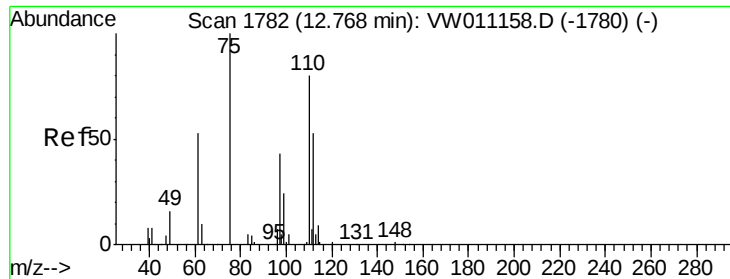
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW011359.D
Acq: 19 Jul 2019 03:52

Tgt Ion:152 Resp: 114218
Ion Ratio Lower Upper
152 100
115 60.0 30.1 90.3
150 157.3 0.0 346.0



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

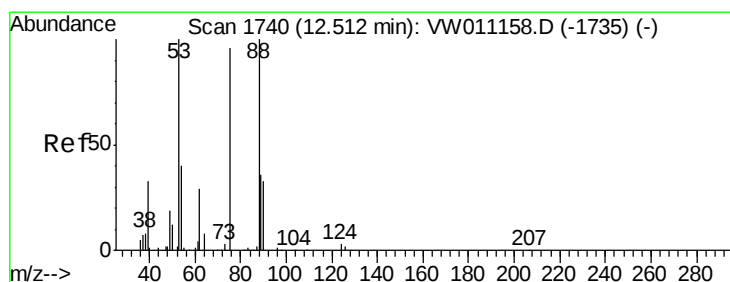
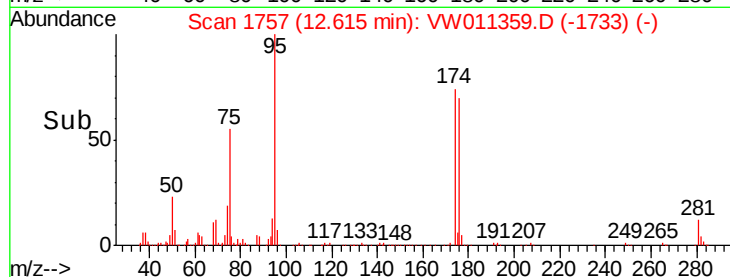
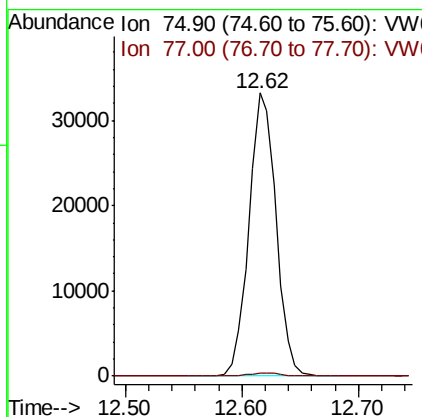
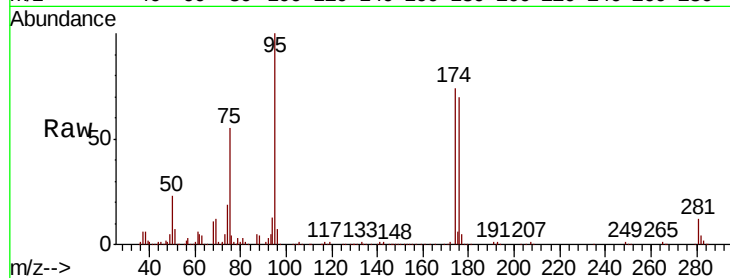




#76
 1,2,3-Trichloropropane
 Concen: 40.936 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW011359.D
 Acq: 19 Jul 2019 03:52

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 75 Resp: 54033
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 92.590 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW011359.D
 Acq: 19 Jul 2019 03:52

Tgt Ion: 75 Resp: 54033
 Ion Ratio Lower Upper
 75 100
 53 0.3 89.8 134.6#
 89 0.1 34.3 51.5#

