

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081219\
 Data File : VW011869.D
 Acq On : 13 Aug 2019 00:19
 Operator : SY/VA
 Sample : K4229-14
 Misc : 5.74G/5ML/MSVOA W/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 13 09:24:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	234136	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	394496	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	321982	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	119481	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	152100	56.57	ug/l	0.00
Spiked Amount			Recovery	=	113.14%	
35) Dibromofluoromethane	7.88	113	120408	54.40	ug/l	0.00
Spiked Amount			Recovery	=	108.80%	
50) Toluene-d8	10.32	98	482305	53.23	ug/l	0.00
Spiked Amount			Recovery	=	106.46%	
62) 4-Bromofluorobenzene	12.62	95	147727	45.73	ug/l	0.00
Spiked Amount			Recovery	=	91.46%	

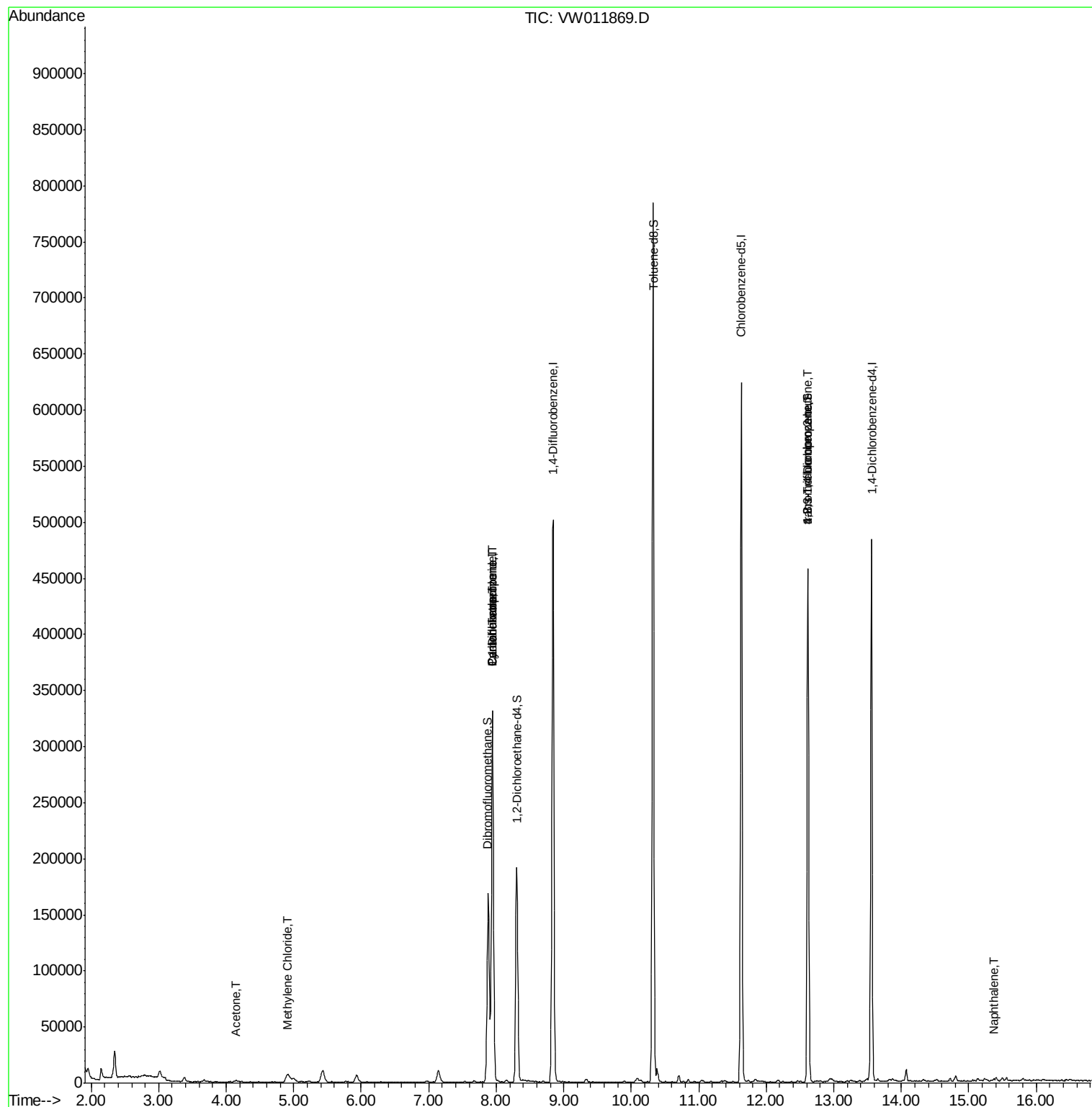
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.17	59	134	Below Cal	#	72
16) Acetone	4.14	43	3396	3.971	ug/l	90
20) Methylene Chloride	4.90	84	4901	1.662	ug/l	89
31) Cyclohexane	7.94	56	6562	1.305	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	20595	5.021	ug/l #	52
38) Carbon Tetrachloride	7.95	117	23995	6.833	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	80285	63.504	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	80285	146.355	ug/l #	6
95) Naphthalene	15.37	128	1401	2.351	ug/l #	89

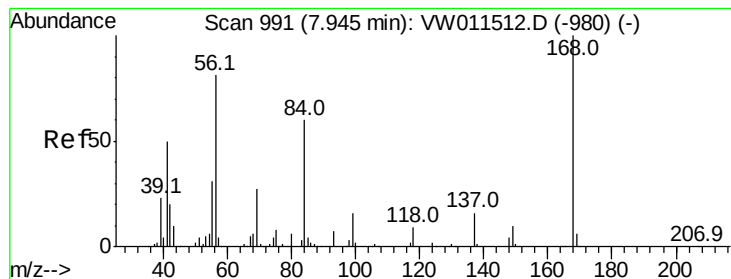
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Jul 27 00:23:30 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW011869.D

Acq: 13 Aug 2019 00:19

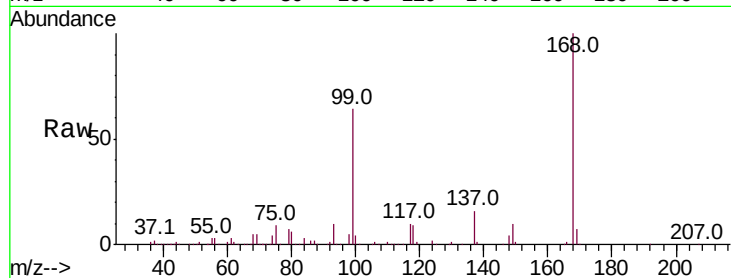
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 234136

Ion Ratio Lower Upper

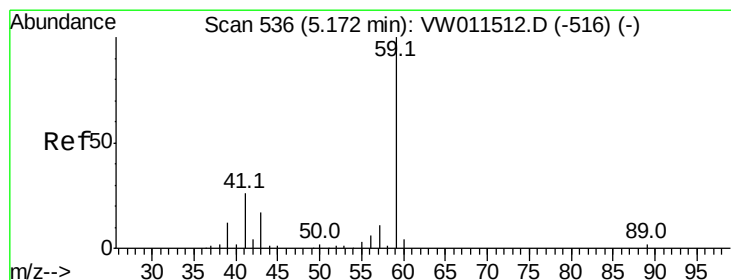
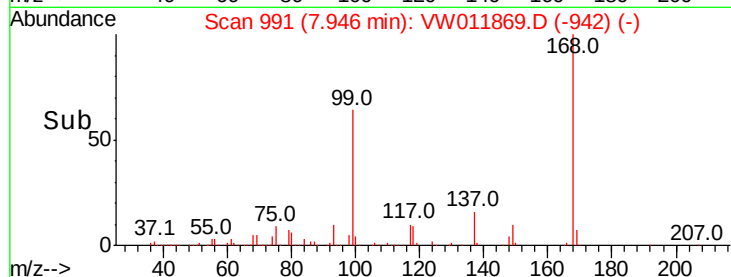
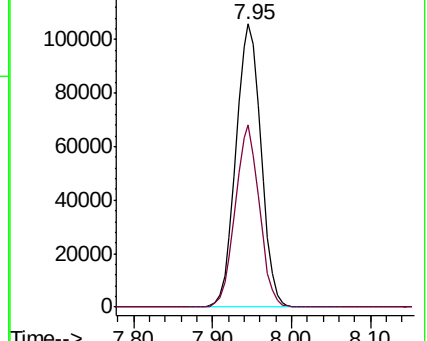
168 100

99 64.3 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.17 min Scan# 536

Delta R.T. 0.00 min

Lab File: VW011869.D

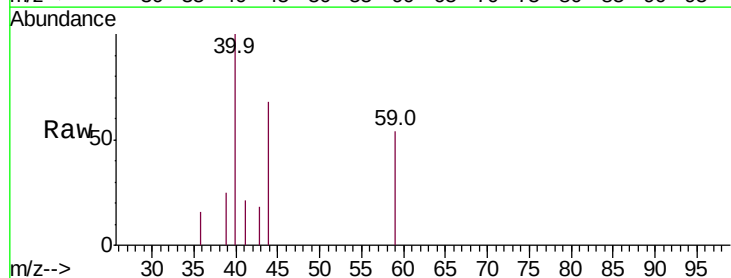
Acq: 13 Aug 2019 00:19

Tgt Ion: 59 Resp: 134

Ion Ratio Lower Upper

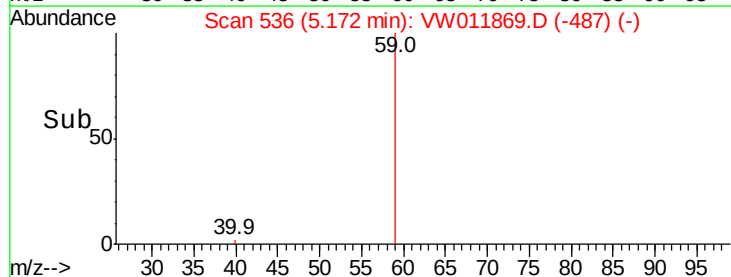
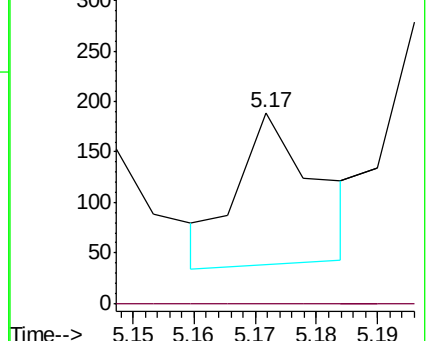
59 100

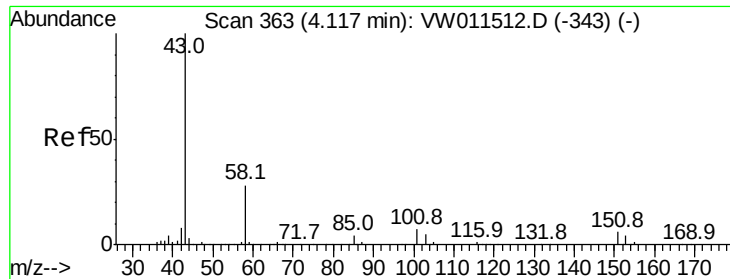
57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 3.971 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.02 min

Lab File: VW011869.D

Acq: 13 Aug 2019 00:19

Instrument :

MSVOA_W

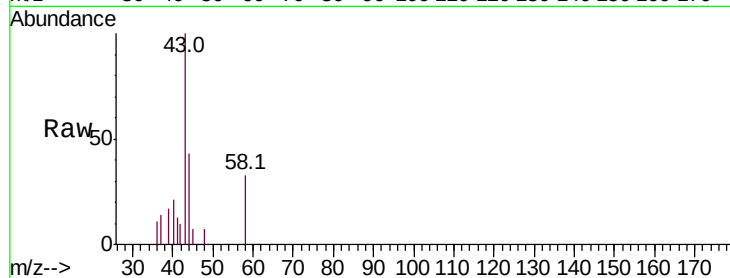
ClientSampleId :

Tot Ion: 43 Resp: 3396

Ion Ratio Lower Upper

43 100

58 33.1 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.14

800

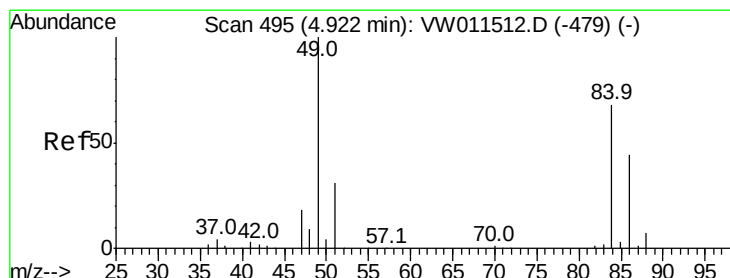
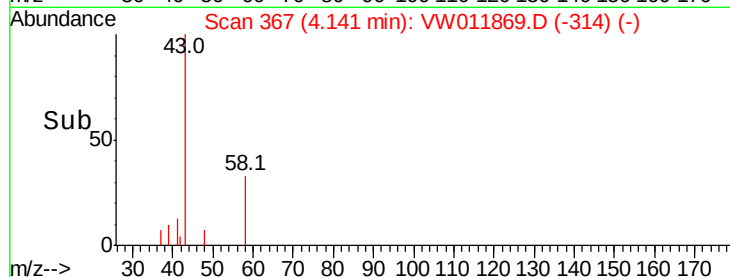
600

400

200

0

Time-->



#20

Methylene Chloride

Concen: 1.662 ug/l

RT: 4.90 min Scan# 492

Delta R.T. -0.02 min

Lab File: VW011869.D

Acq: 13 Aug 2019 00:19

Tgt Ion: 84 Resp: 4901

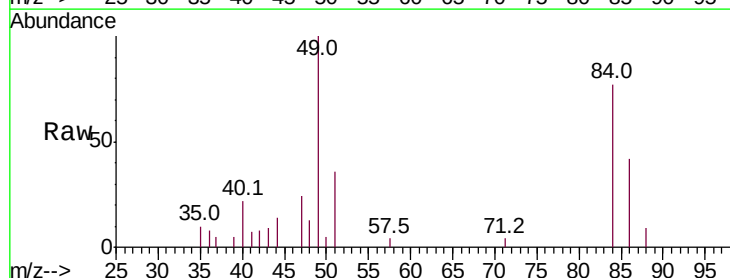
Ion Ratio Lower Upper

84 100

49 129.4 117.8 176.6

51 46.8 37.0 55.4

86 54.6 51.8 77.8



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

3000

2500

2000

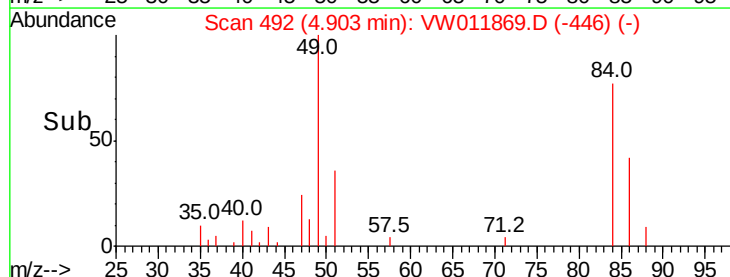
1500

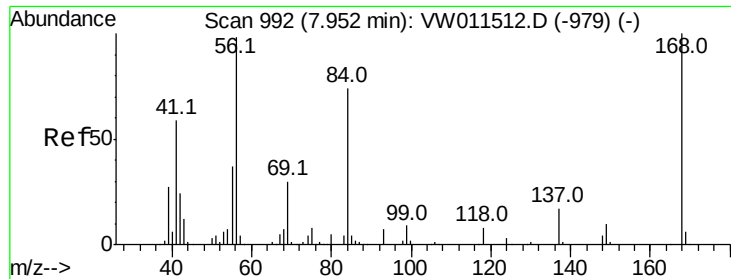
1000

500

0

Time-->

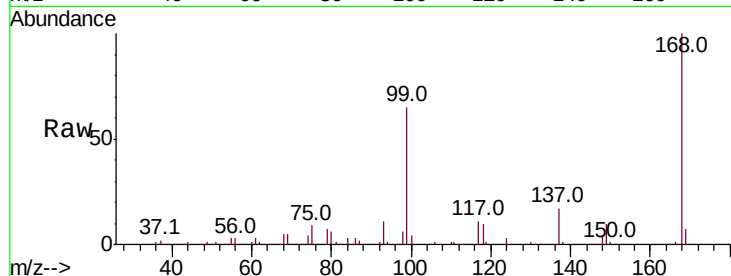




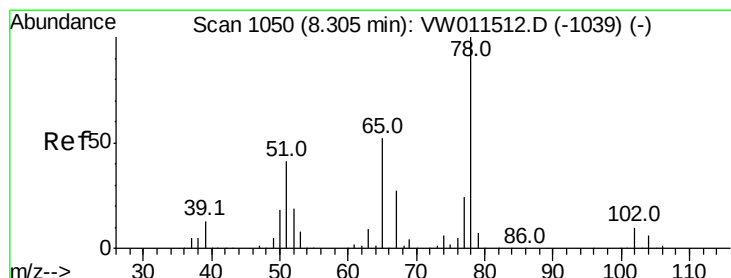
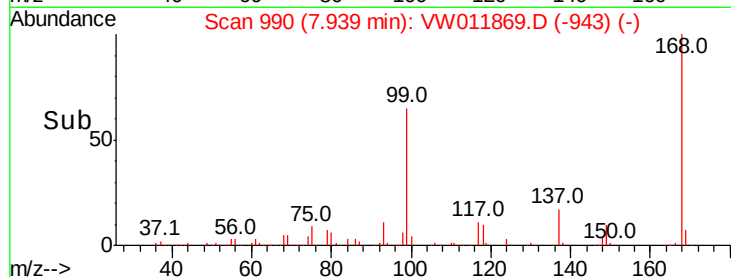
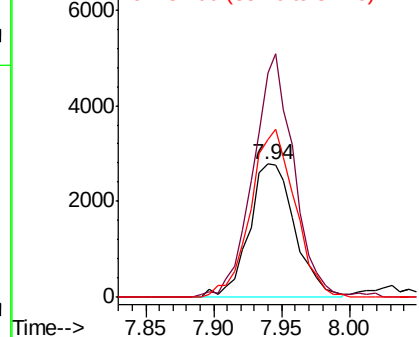
#31
Cyclohexane
Concen: 1.305 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW011869.D
Acq: 13 Aug 2019 00:19

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 6562
Ion Ratio Lower Upper
56 100
69 167.9 24.3 36.5#
84 118.6 60.4 90.6#

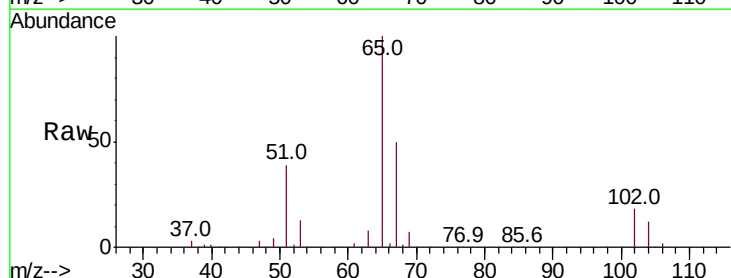


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

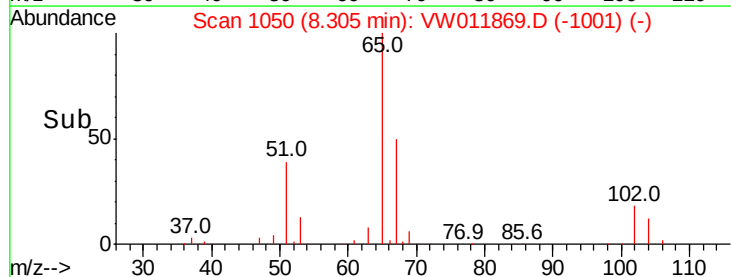
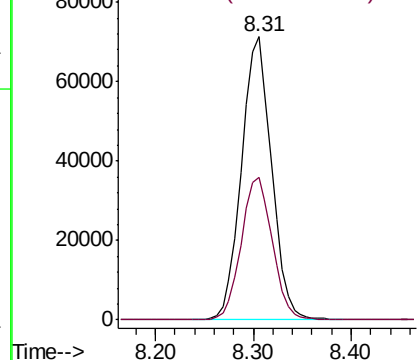


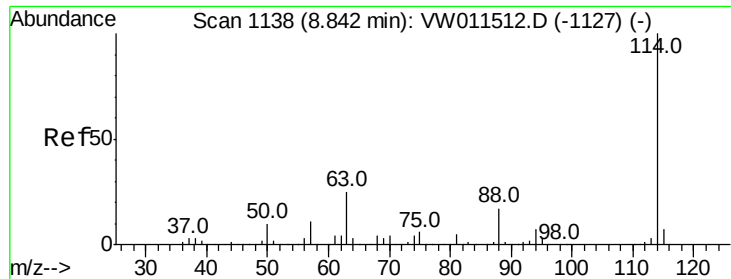
#33
1,2-Dichloroethane-d4
Concen: 56.574 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VW011869.D
Acq: 13 Aug 2019 00:19

Tgt Ion: 65 Resp: 152100
Ion Ratio Lower Upper
65 100
67 52.1 0.0 105.2



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

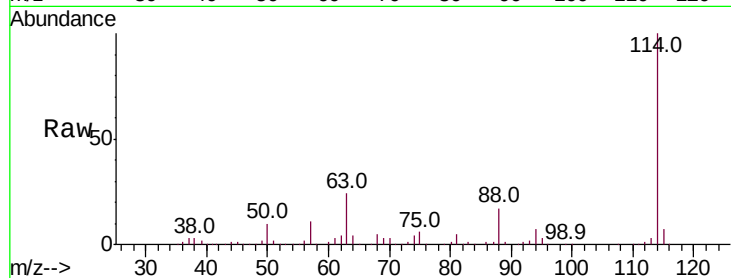




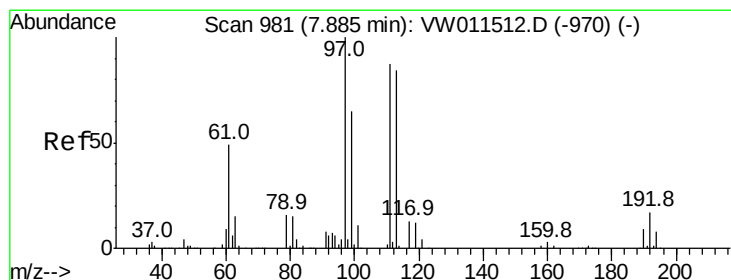
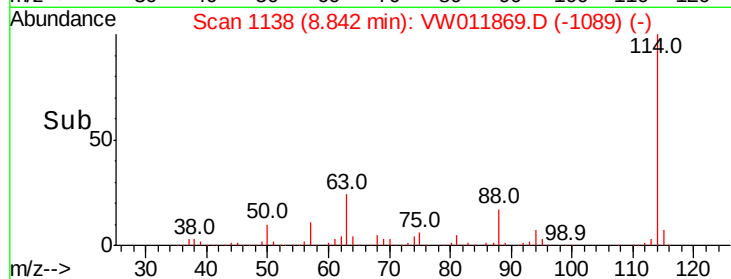
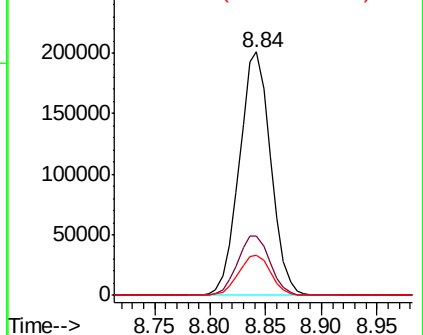
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011869.D
 Acq: 13 Aug 2019 00:19

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion:114 Resp: 394496
 Ion Ratio Lower Upper
 114 100
 63 24.4 0.0 49.2
 88 16.6 0.0 33.8

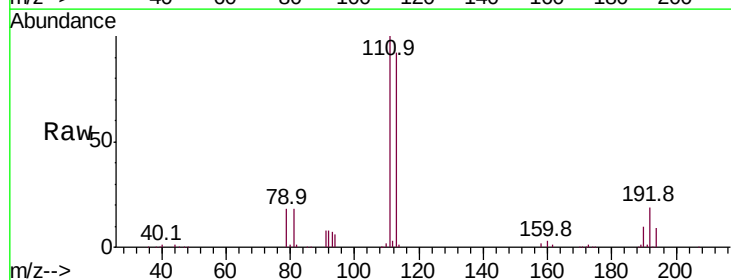


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

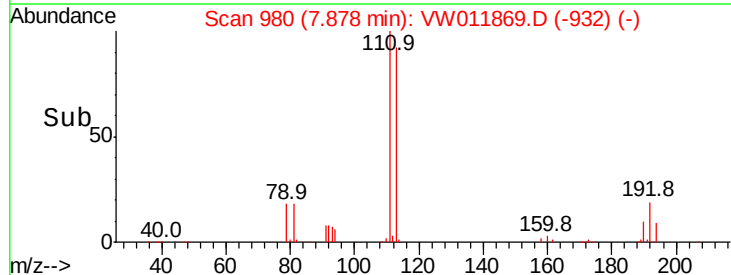
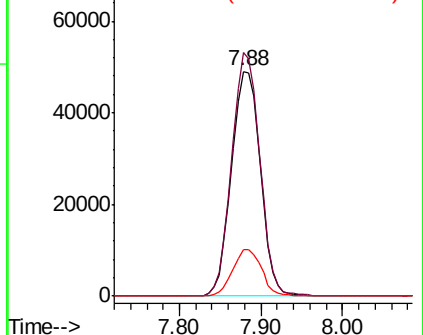


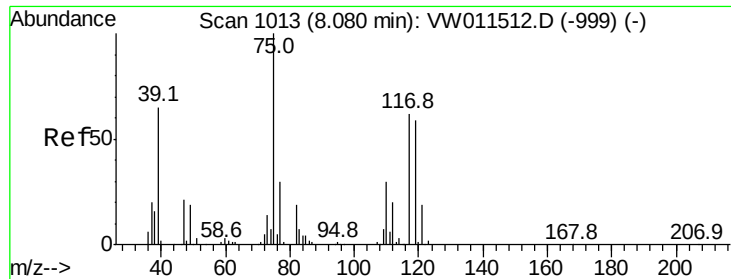
#35
 Dibromofluoromethane
 Concen: 54.405 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW011869.D
 Acq: 13 Aug 2019 00:19

Tgt Ion:113 Resp: 120408
 Ion Ratio Lower Upper
 113 100
 111 105.0 82.7 124.1
 192 20.6 16.1 24.1



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

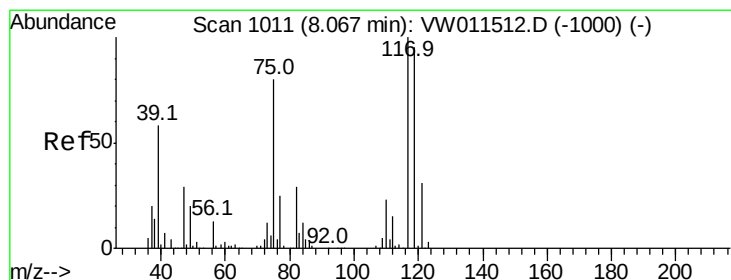
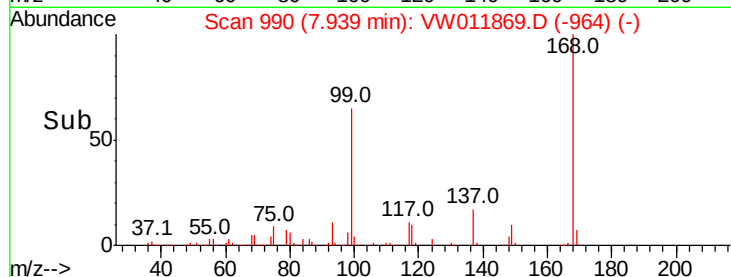
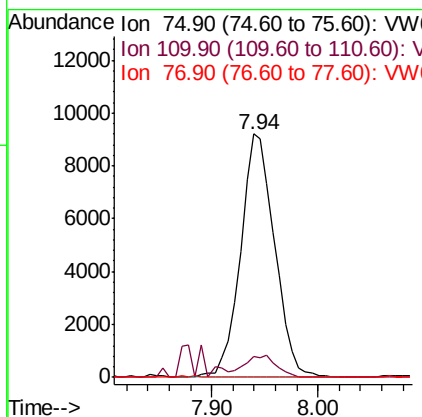
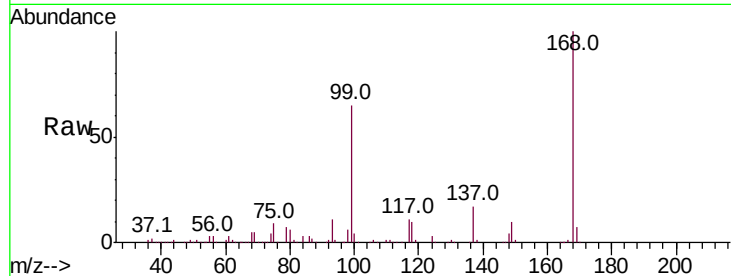




#36
 1,1-Dichloropropene
 Concen: 5.021 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW011869.D
 Acq: 13 Aug 2019 00:19

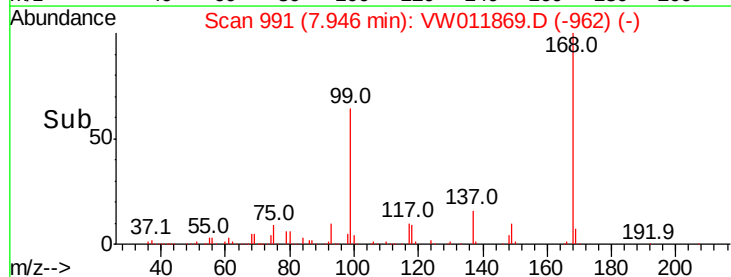
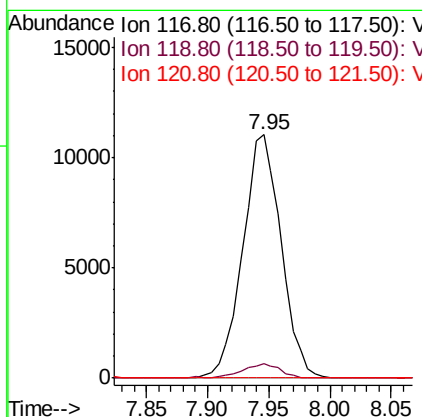
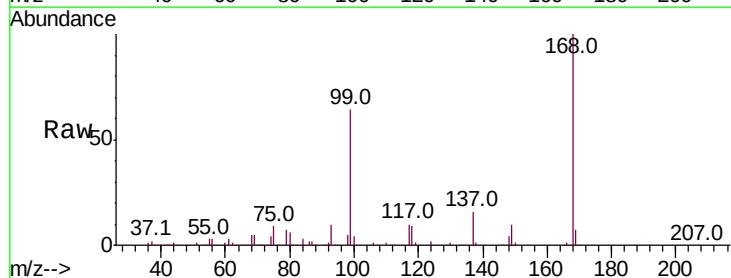
Instrument :
 MSVOA_W
 ClientSampled :

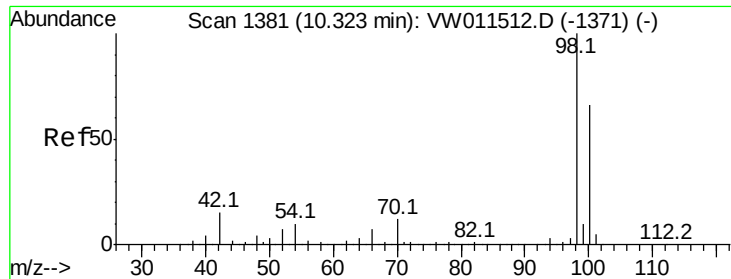
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.5	15.6	46.8#
77	0.0	24.3	36.5#



#38
 Carbon Tetrachloride
 Concen: 6.833 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW011869.D
 Acq: 13 Aug 2019 00:19

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.2	75.8	113.6#
121	0.0	24.7	37.1#

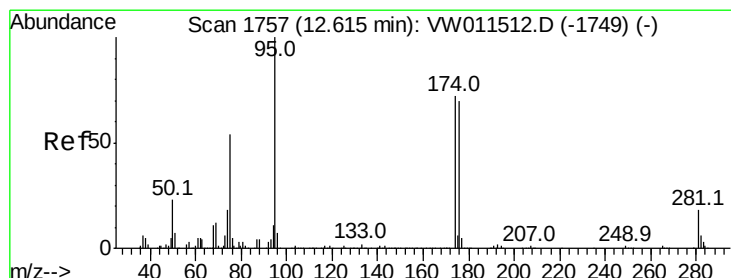
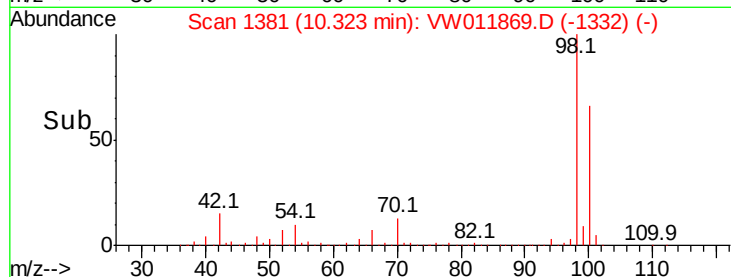
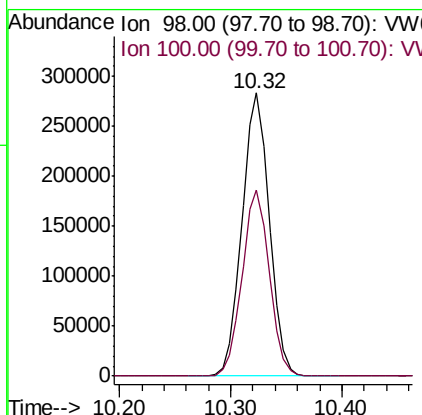
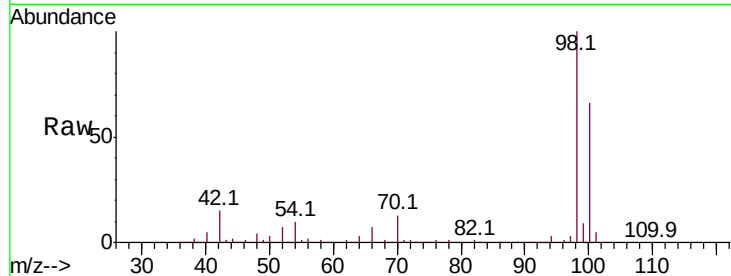




#50
Toluene-d8
Concen: 53.226 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW011869.D
Acq: 13 Aug 2019 00:19

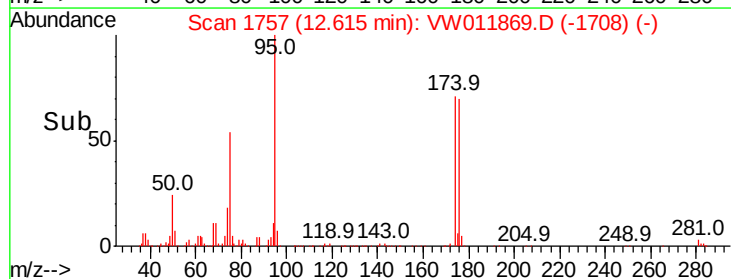
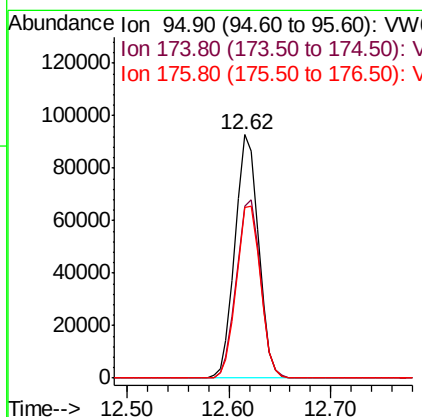
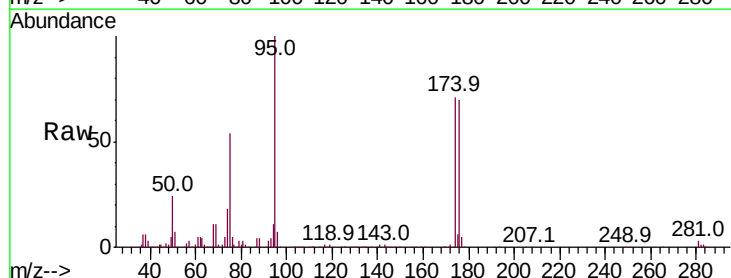
Instrument :
MSVOA_W
ClientSampleId :

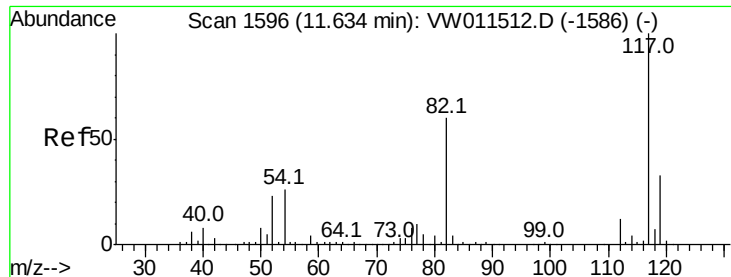
Tot Ion: 98 Resp: 482305
Ion Ratio Lower Upper
98 100
100 65.5 52.7 79.1



#62
4-Bromofluorobenzene
Concen: 45.728 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW011869.D
Acq: 13 Aug 2019 00:19

Tgt Ion: 95 Resp: 147727
Ion Ratio Lower Upper
95 100
174 74.9 0.0 150.2
176 72.5 0.0 144.4

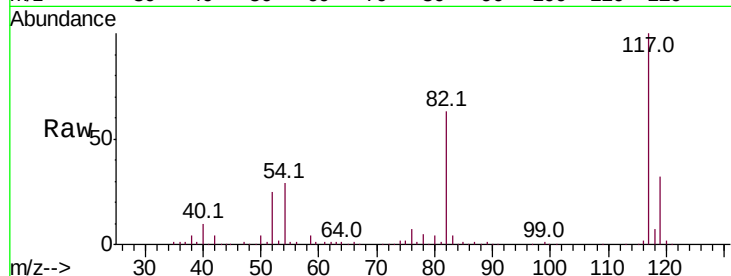




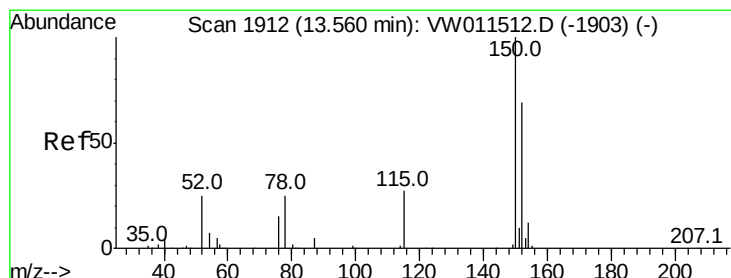
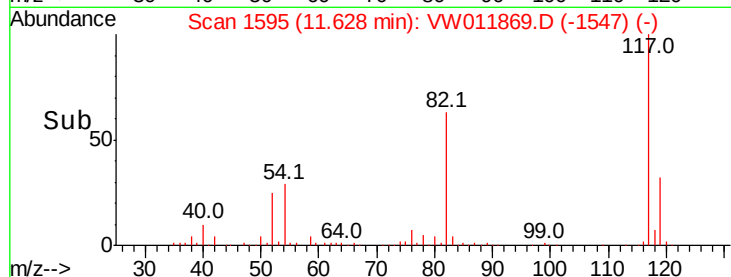
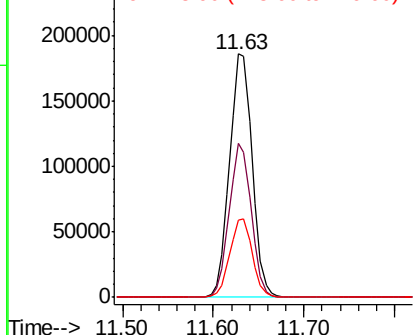
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW011869.D
Acq: 13 Aug 2019 00:19

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 321982
Ion Ratio Lower Upper
117 100
82 63.1 47.9 71.9
119 31.8 26.2 39.2

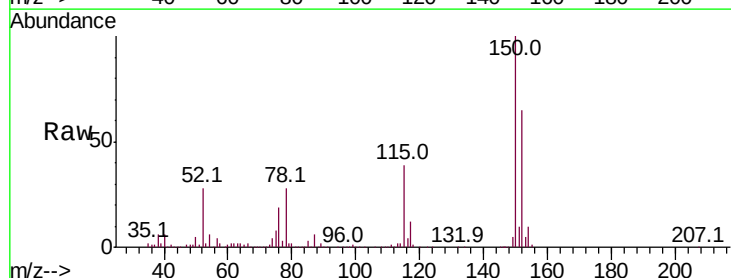


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

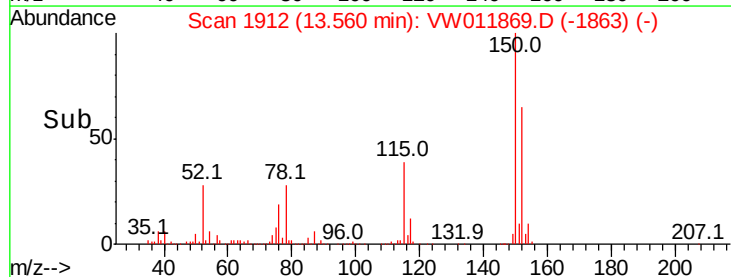
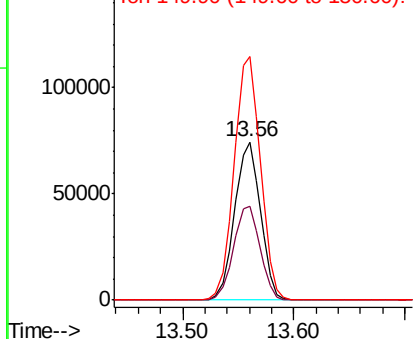


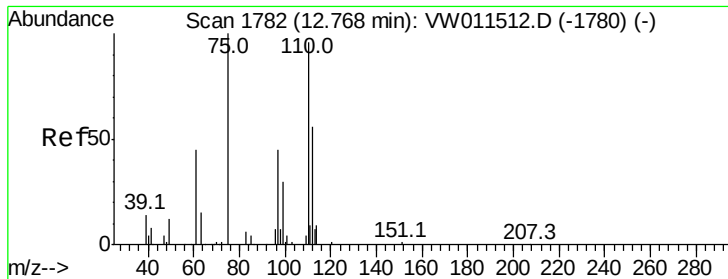
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW011869.D
Acq: 13 Aug 2019 00:19

Tgt Ion:152 Resp: 119481
Ion Ratio Lower Upper
152 100
115 61.2 30.5 91.5
150 156.7 0.0 352.6



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



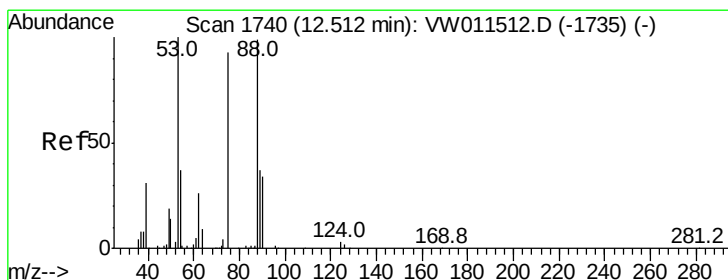
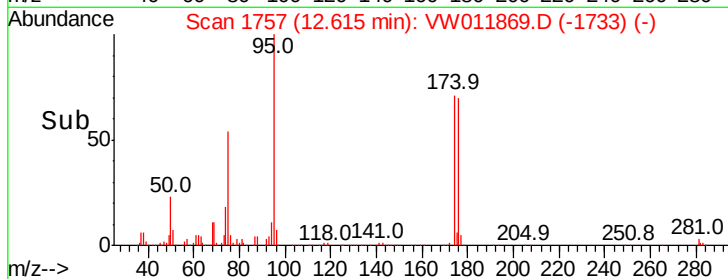
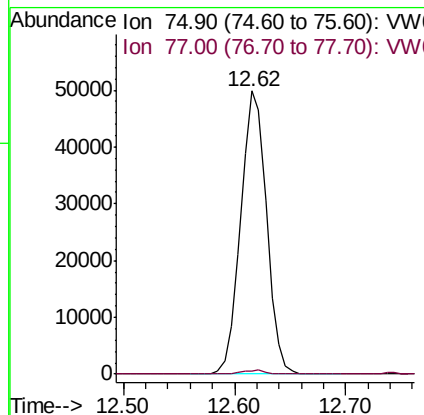
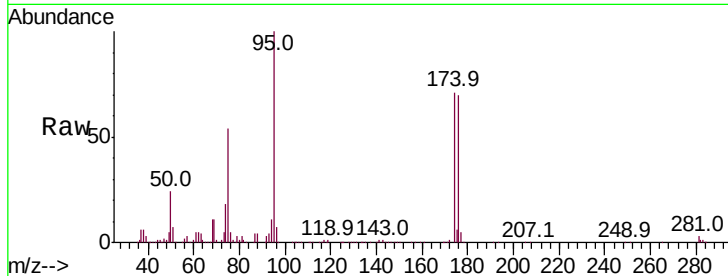


#76

1,2,3-Trichloropropane
Concen: 63.504 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW011869.D
Acq: 13 Aug 2019 00:19

Instrument :
MSVOA_W
ClientSampled :

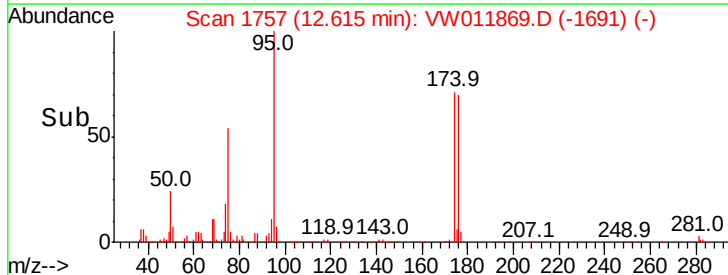
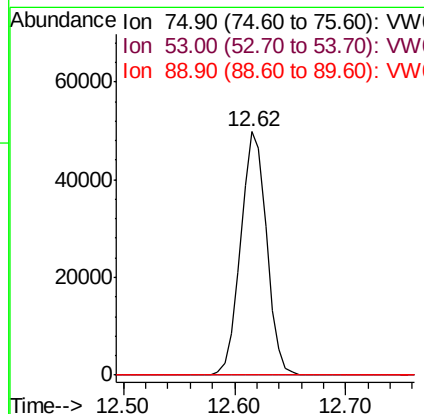
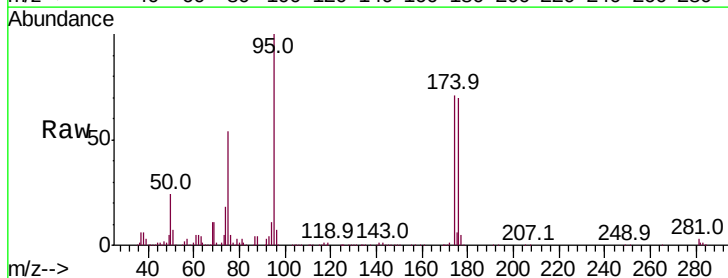
Tot Ion: 75 Resp: 80285
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#

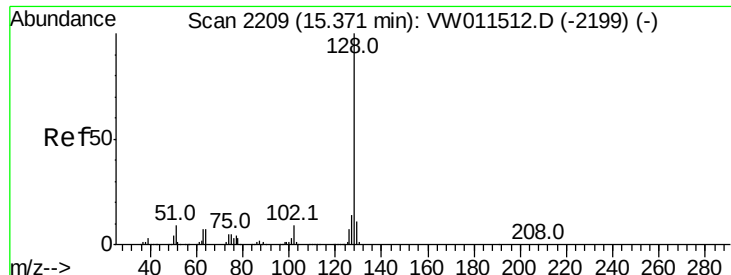


#81

trans-1,4-Dichloro-2-butene
Concen: 146.355 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW011869.D
Acq: 13 Aug 2019 00:19

Tgt Ion: 75 Resp: 80285
Ion Ratio Lower Upper
75 100
53 0.1 88.0 132.0#
89 0.0 35.3 52.9#

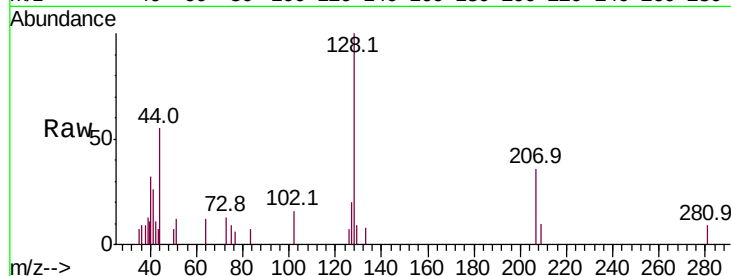




#95
Naphthalene
Concen: 2.351 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW011869.D
Acq: 13 Aug 2019 00:19

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 1401
Ion Ratio Lower Upper
128 100
127 15.0 10.6 16.0
129 3.9 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

