

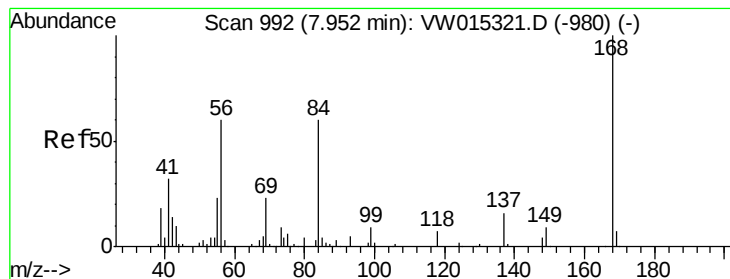
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW042420\
 Data File : VW015343.D
 Acq On : 24 Apr 2020 15:11
 Operator : SY/VA
 Sample : L2409-04
 Misc : 7.16G/5ML/MSVOA W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Apr 25 06:49:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W042020S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 21 06:39:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	213739	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	295764	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	266034	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	122555	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	84925	48.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.18%	
35) Dibromofluoromethane	7.88	113	84824	51.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.56%	
50) Toluene-d8	10.32	98	356630	51.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.50%	
62) 4-Bromofluorobenzene	12.62	95	120270	45.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.48%	
Target Compounds						
					Qvalue	
16) Acetone	4.15	43	653	2.139	ug/l #	78
20) Methylene Chloride	4.92	84	5680	2.839	ug/l	91
31) Cyclohexane	7.95	56	3821	1.182	ug/l #	18
36) 1,1-Dichloropropene	7.95	75	13891	5.204	ug/l #	50
38) Carbon Tetrachloride	7.95	117	18956	6.498	ug/l #	19
51) 4-Methyl-2-Pentanone	10.32	43	1613	1.891	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	60045	63.332	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	60045	138.445	ug/l #	15

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW015343.D

Acq: 24 Apr 2020 15:11

Instrument :

MSVOA_W

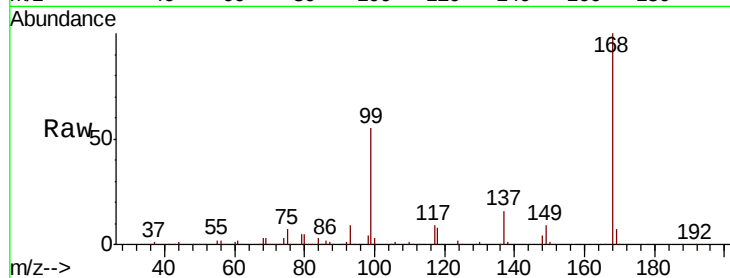
ClientSampleId :

Tot Ion:168 Resp: 213739

Ion Ratio Lower Upper

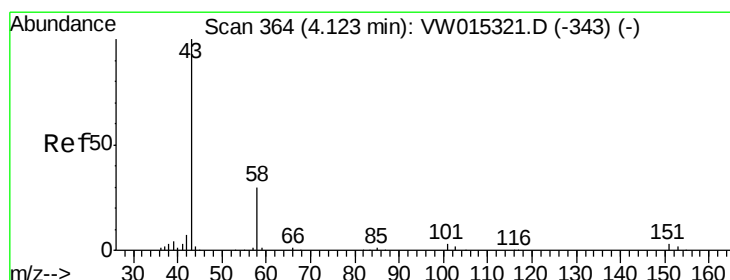
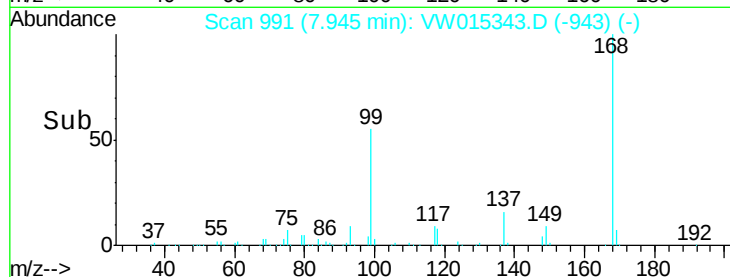
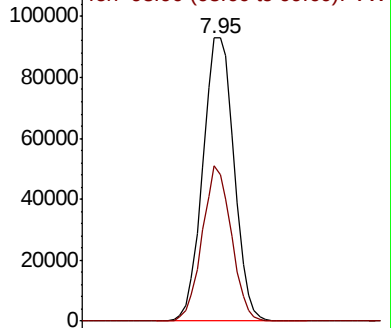
168 100

99 54.7 48.5 72.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#16

Acetone

Concen: 2.139 ug/l

RT: 4.15 min Scan# 368

Delta R.T. 0.02 min

Lab File: VW015343.D

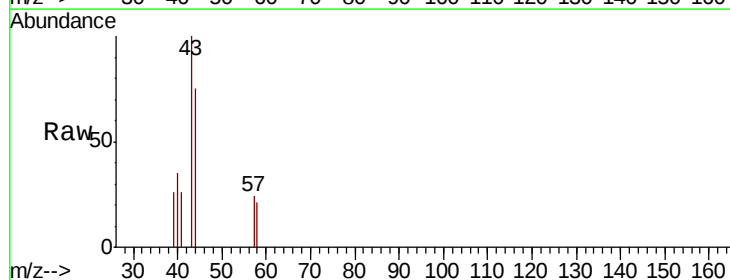
Acq: 24 Apr 2020 15:11

Tgt Ion: 43 Resp: 653

Ion Ratio Lower Upper

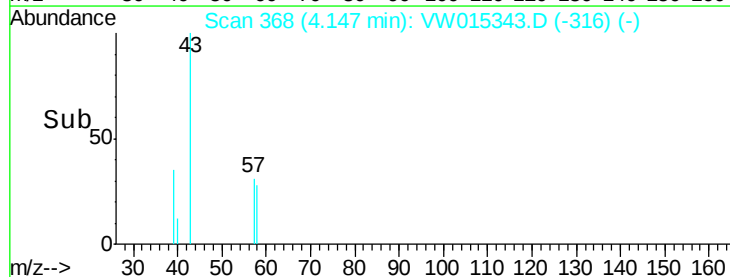
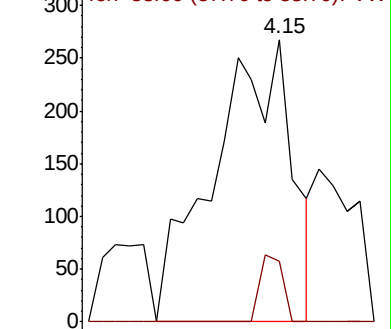
43 100

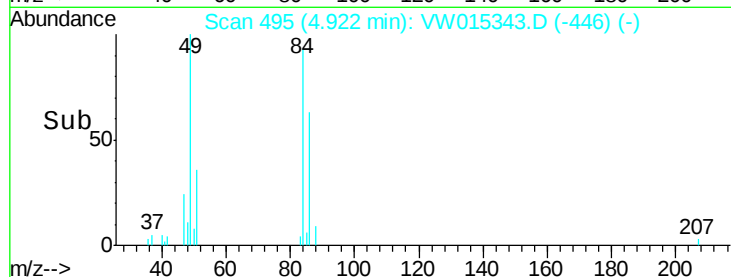
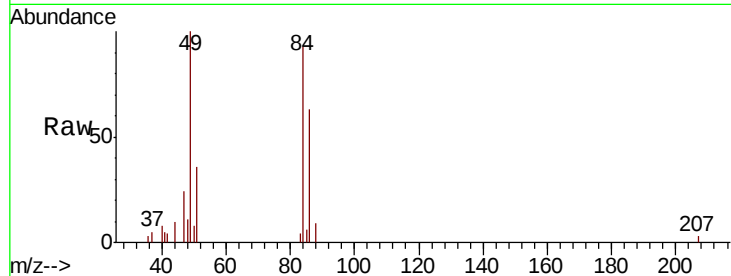
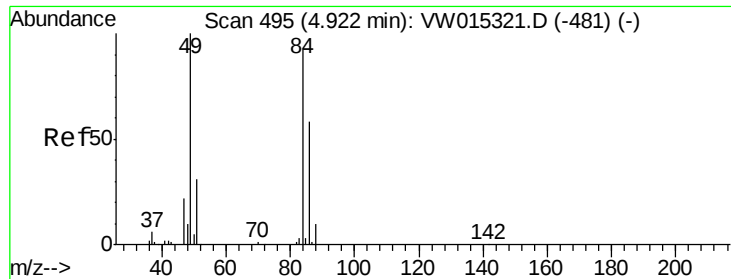
58 21.3 27.0 40.4#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

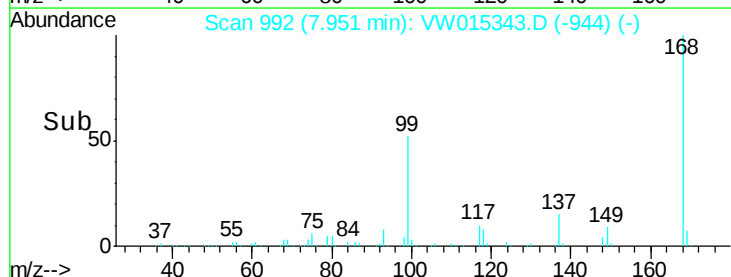
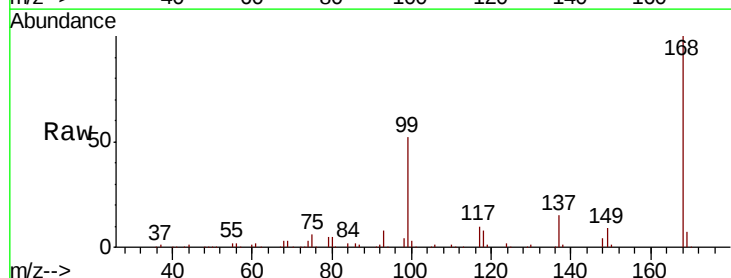
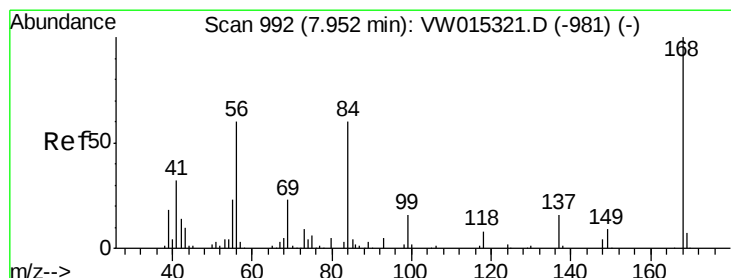
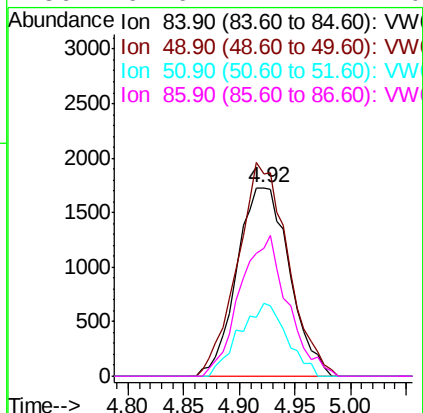




#20
Methvlene Chloride
Concen: 2.839 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW015343.D
Acq: 24 Apr 2020 15:11

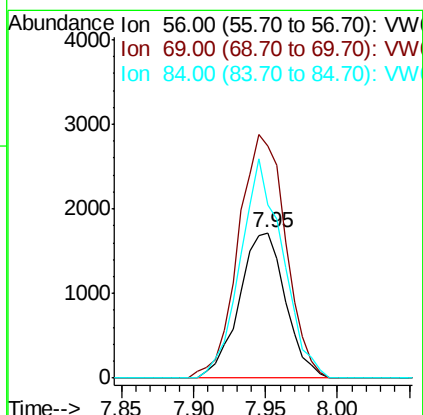
Instrument :
MSVOA_W
ClientSampleId :

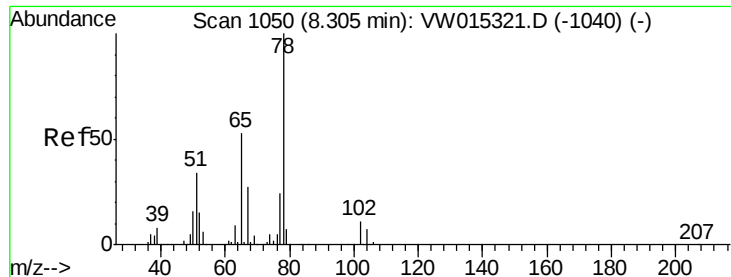
Tot Ion: 84 Resp: 5680
Ion Ratio Lower Upper
84 100
49 107.5 95.4 143.0
51 38.7 29.8 44.8
86 67.6 47.4 71.0



#31
Cyclohexane
Concen: 1.182 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW015343.D
Acq: 24 Apr 2020 15:11

Tgt Ion: 56 Resp: 3821
Ion Ratio Lower Upper
56 100
69 159.1 27.1 40.7#
84 118.8 71.9 107.9#





#33

1,2-Dichloroethane-d4

Concen: 48.588 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW015343.D

Acq: 24 Apr 2020 15:11

Instrument :

MSVOA_W

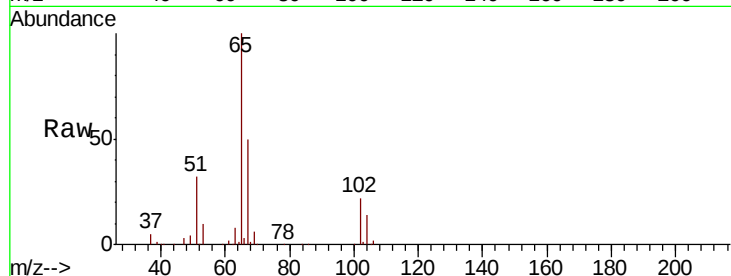
ClientSampleId :

Tot Ion: 65 Resp: 84925

Ion Ratio Lower Upper

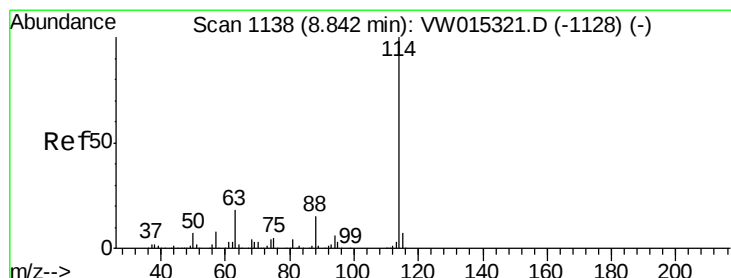
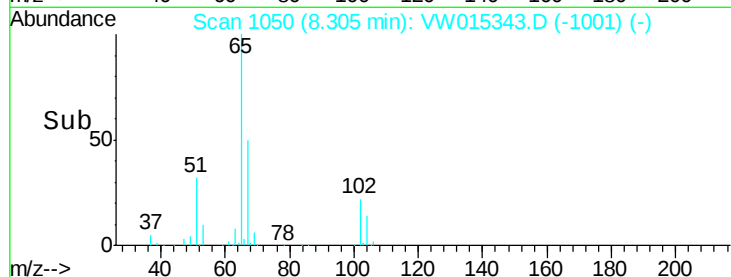
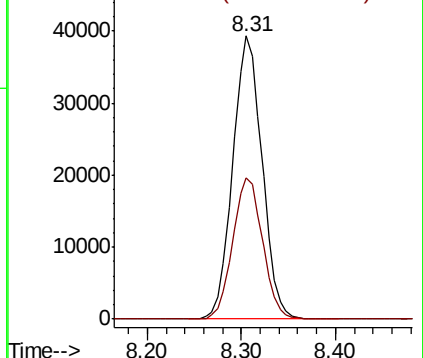
65 100

67 51.0 0.0 107.0



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: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW015343.D

Acq: 24 Apr 2020 15:11

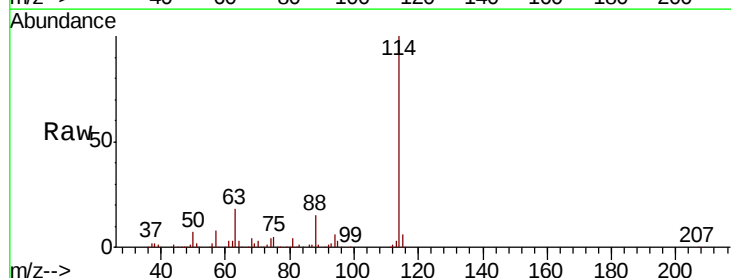
Tgt Ion: 114 Resp: 295764

Ion Ratio Lower Upper

114 100

63 18.2 0.0 39.8

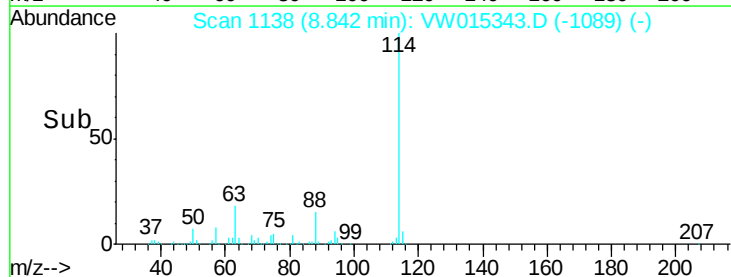
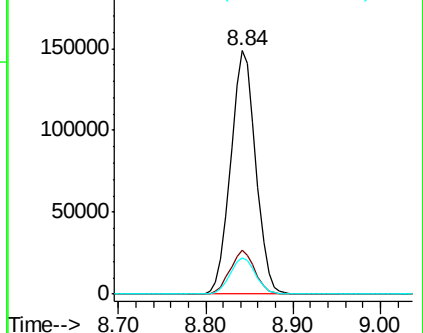
88 15.1 0.0 30.2

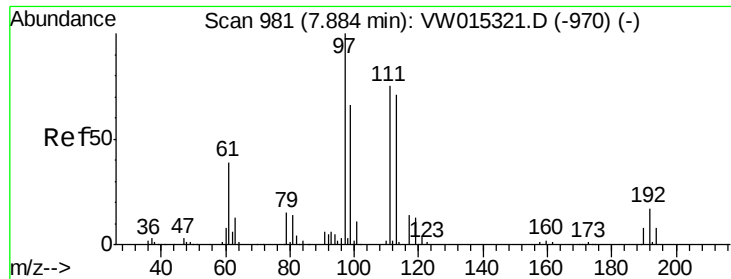


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW





#35

Dibromofluoromethane

Concen: 51.776 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW015343.D

Acq: 24 Apr 2020 15:11

Instrument :

MSVOA_W

ClientSampleId :

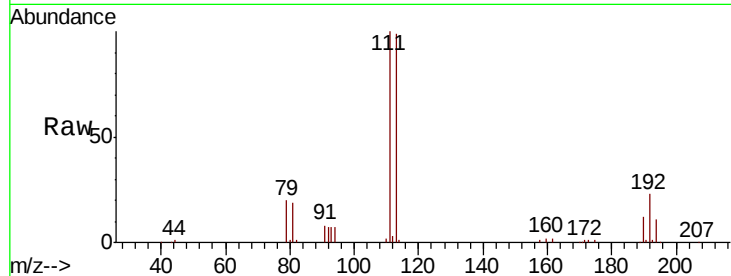
Tot Ion:113 Resp: 84824

Ion Ratio Lower Upper

113 100

111 101.9 83.0 124.4

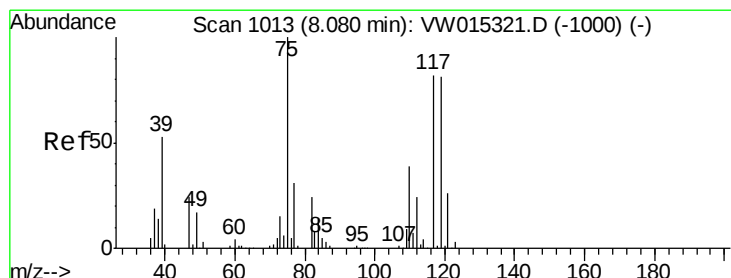
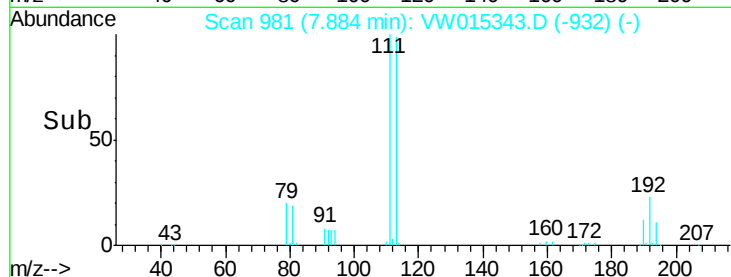
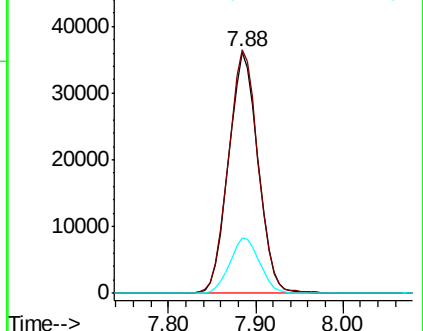
192 23.3 15.1 22.7#



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: 5.204 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.14 min

Lab File: VW015343.D

Acq: 24 Apr 2020 15:11

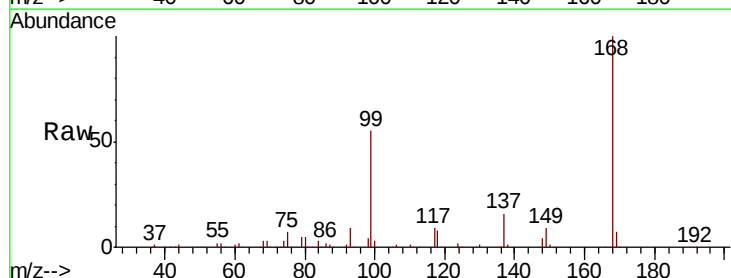
Tgt Ion: 75 Resp: 13891

Ion Ratio Lower Upper

75 100

110 9.4 18.2 54.6#

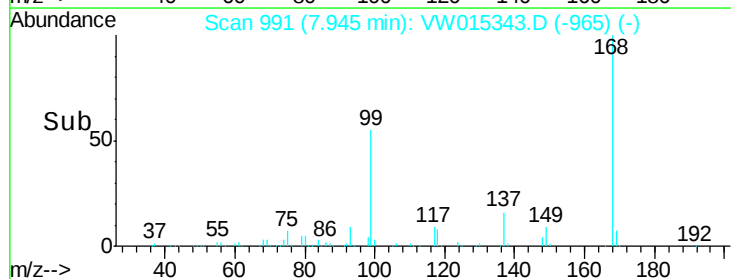
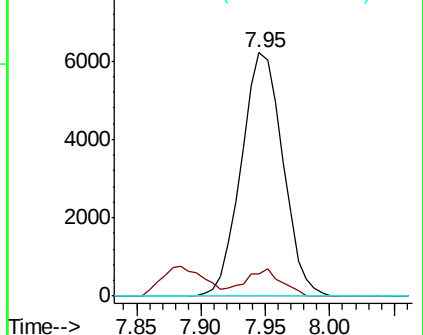
77 0.0 24.5 36.7#

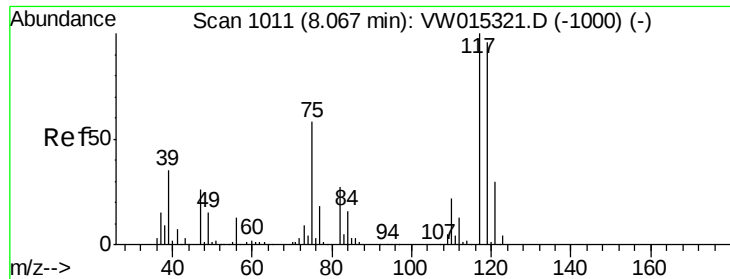


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

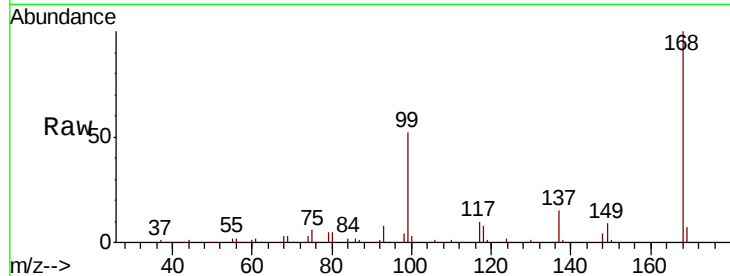




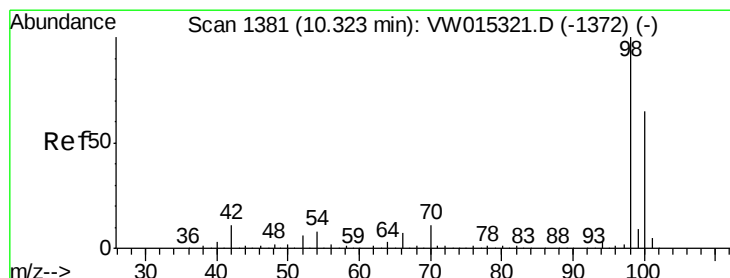
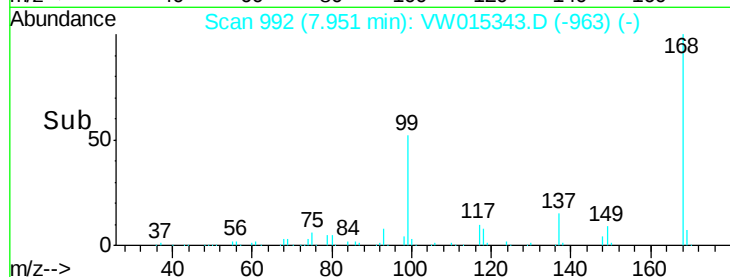
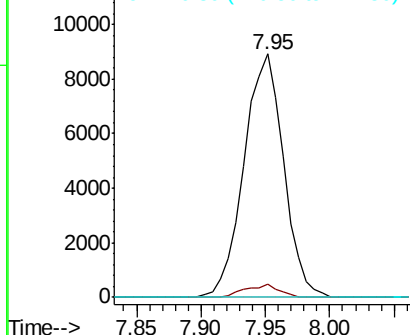
#38
Carbon Tetrachloride
Concen: 6.498 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW015343.D
Acq: 24 Apr 2020 15:11

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 18956
Ion Ratio Lower Upper
117 100
119 5.4 72.3 108.5#
121 0.0 23.7 35.5#

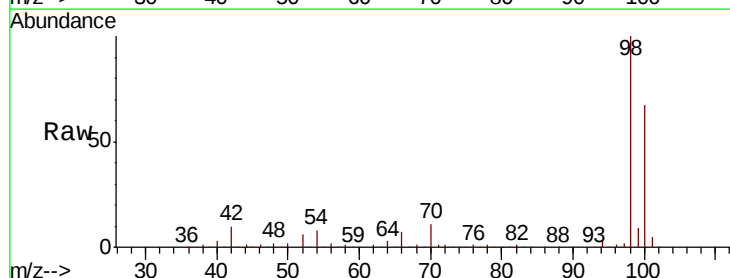


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

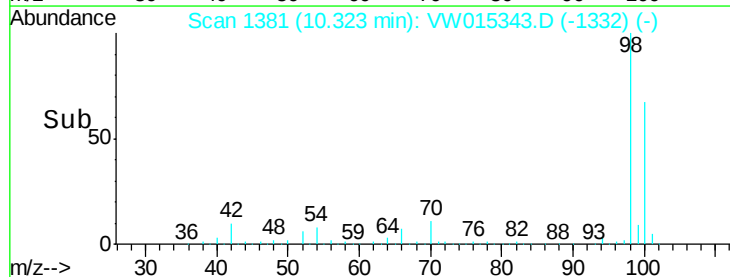
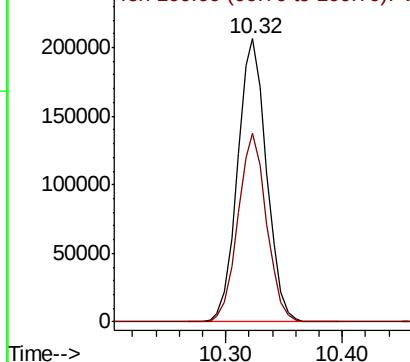


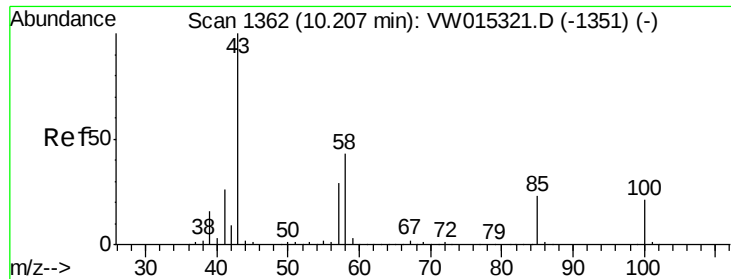
#50
Toluene-d8
Concen: 51.747 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW015343.D
Acq: 24 Apr 2020 15:11

Tgt Ion: 98 Resp: 356630
Ion Ratio Lower Upper
98 100
100 65.8 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 1.891 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.12 min

Lab File: VW015343.D

Acq: 24 Apr 2020 15:11

Instrument :

MSVOA_W

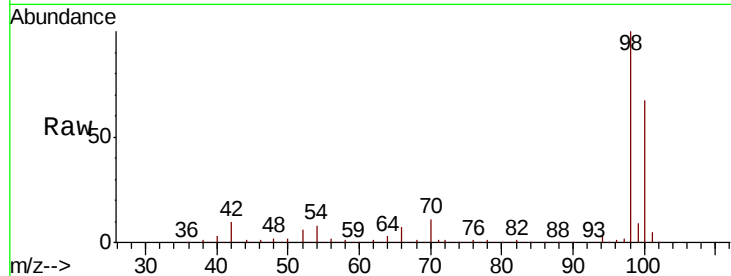
ClientSampled :

Tot Ion: 43 Resp: 1613

Ion Ratio Lower Upper

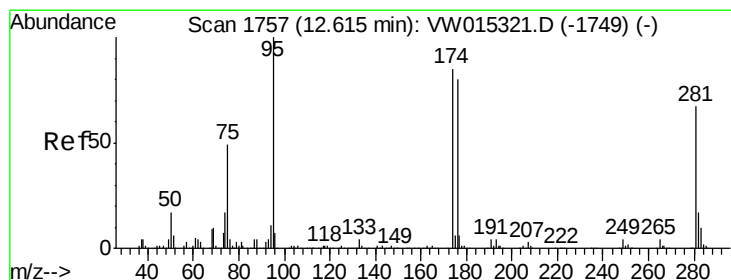
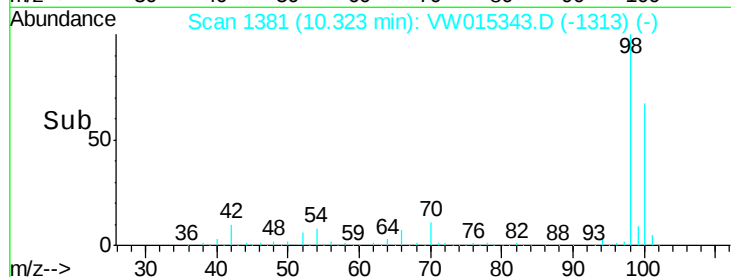
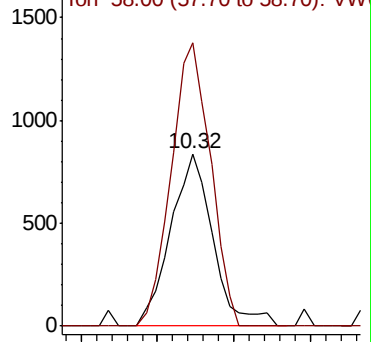
43 100

58 152.3 32.3 48.5#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#62

4-Bromofluorobenzene

Concen: 45.738 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW015343.D

Acq: 24 Apr 2020 15:11

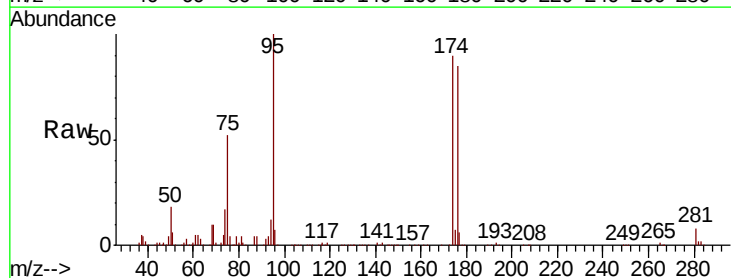
Tgt Ion: 95 Resp: 120270

Ion Ratio Lower Upper

95 100

174 91.6 0.0 144.4

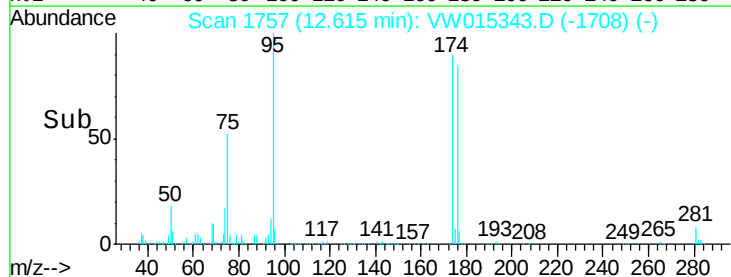
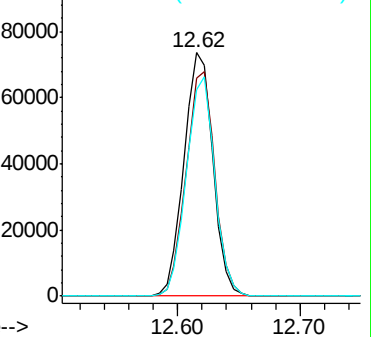
176 88.6 0.0 140.6

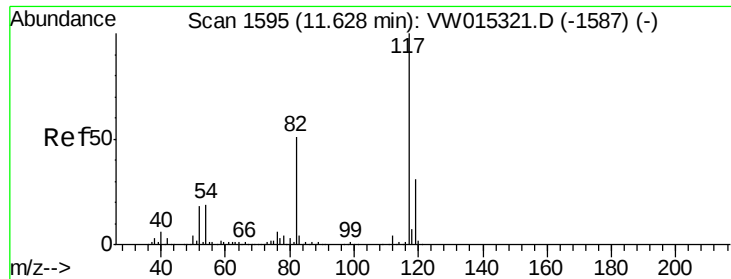


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

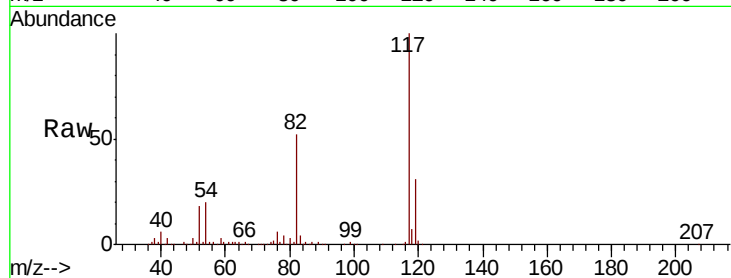




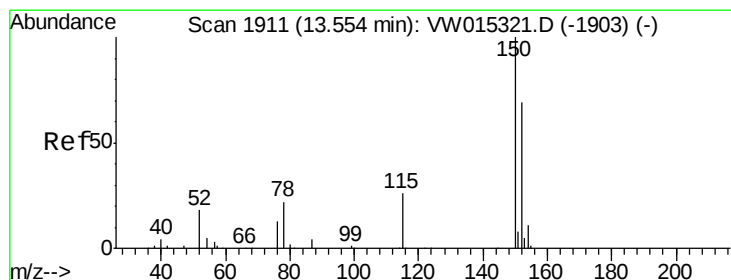
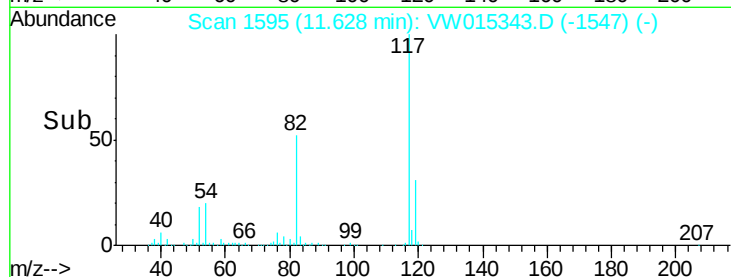
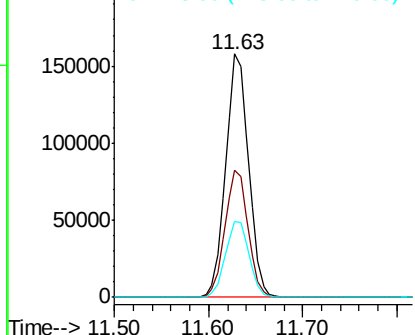
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW015343.D
Acq: 24 Apr 2020 15:11

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.2	44.1	66.1
119	31.4	24.9	37.3

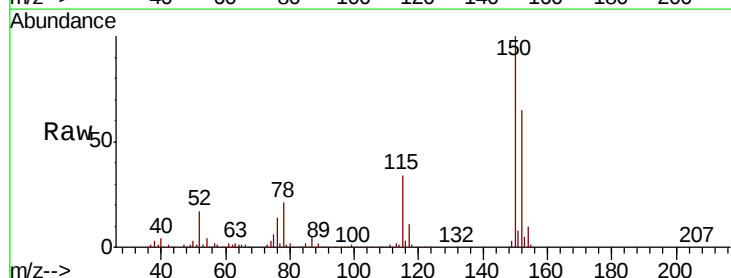


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

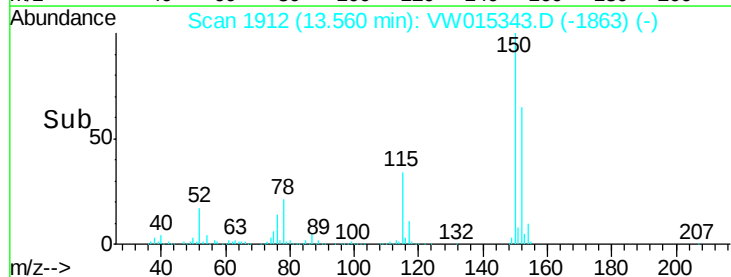
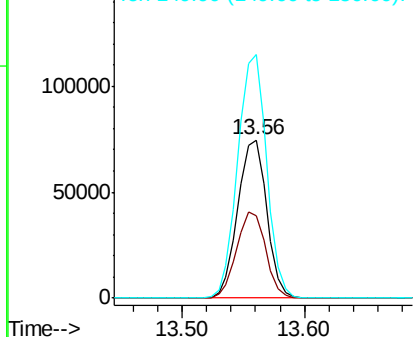


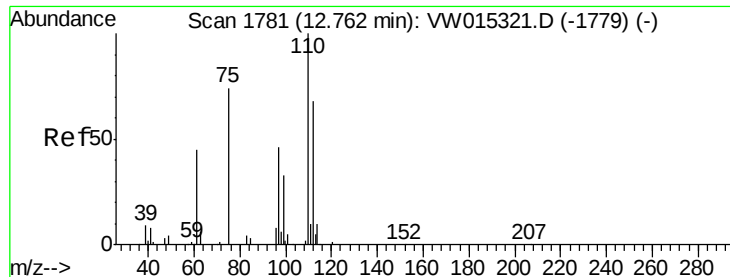
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW015343.D
Acq: 24 Apr 2020 15:11

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.5	31.3	93.9
150	153.9	0.0	343.4



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

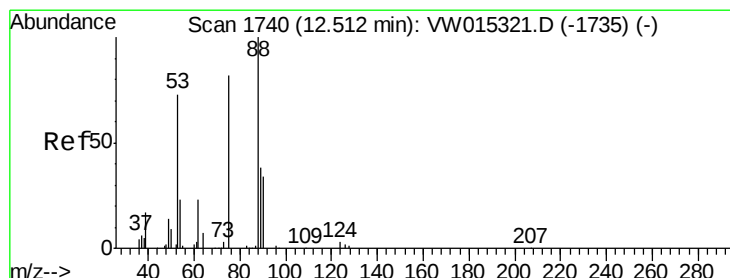
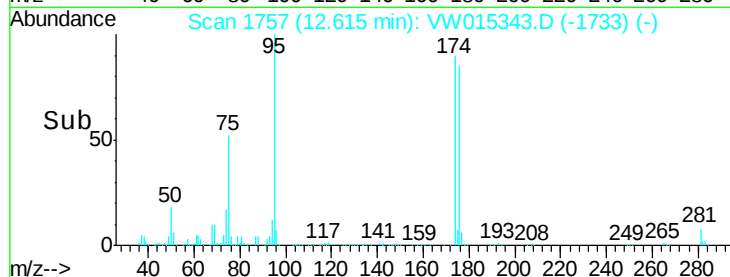
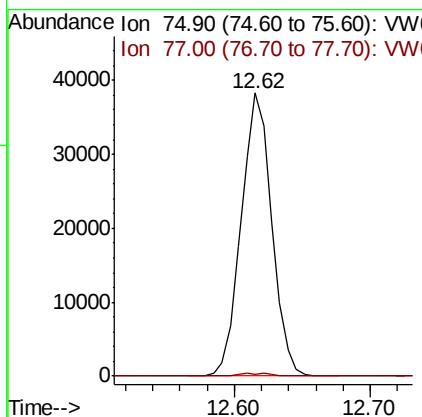
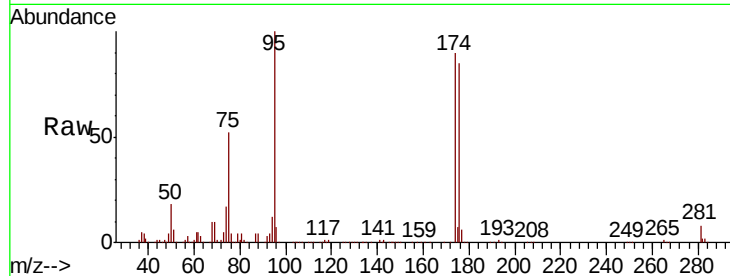




#76
 1,2,3-Trichloropropane
 Concen: 63.332 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW015343.D
 Acq: 24 Apr 2020 15:11

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 75 Resp: 60045
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 138.445 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW015343.D
 Acq: 24 Apr 2020 15:11

Tgt Ion: 75 Resp: 60045
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.4 104.2#
 89 0.0 34.8 52.2#

