

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070920\
 Data File : VW015832.D
 Acq On : 09 Jul 2020 16:37
 Operator : SY/VA
 Sample : L3203-13RE
 Misc : 6.63G/5ML/MSVOA W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 RO-06RE

Quant Time: Jul 10 05:44:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070720S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 08 08:28:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	12524	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	18044	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	16637	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	4735	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	8941	69.33	ug/l	0.00
Spiked Amount			Recovery	=	138.66%	
35) Dibromofluoromethane	7.89	113	7330	69.63	ug/l	0.00
Spiked Amount			Recovery	=	139.26%	
50) Toluene-d8	10.33	98	23953	59.24	ug/l	0.00
Spiked Amount			Recovery	=	118.48%	
62) 4-Bromofluorobenzene	12.62	95	6337	42.71	ug/l	0.00
Spiked Amount			Recovery	=	85.42%	

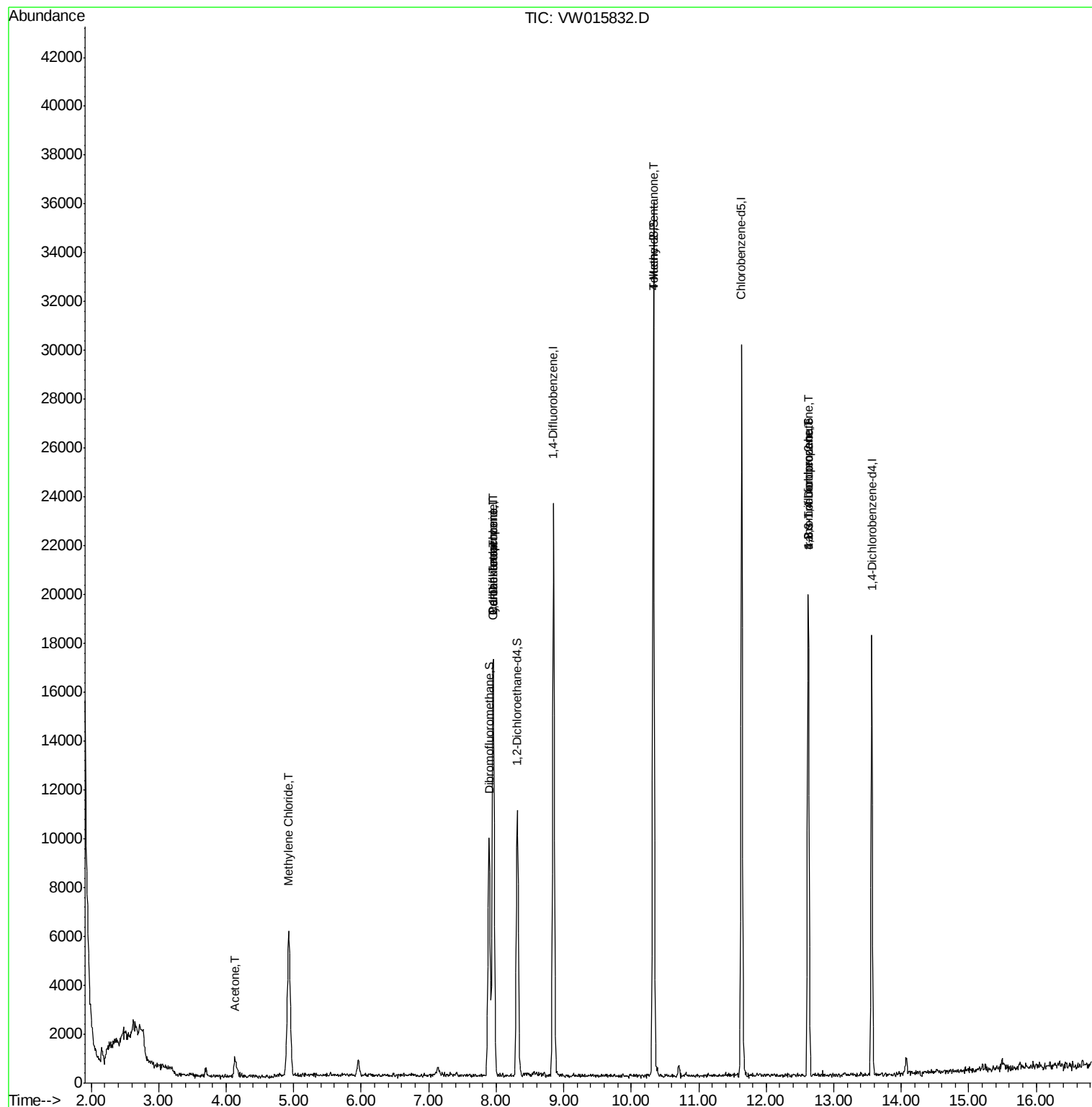
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.14	43	1600	66.305	ug/l #	85
20) Methylene Chloride	4.93	84	4498	34.911	ug/l	91
31) Cyclohexane	7.95	56	333	1.491	ug/l #	56
36) 1,1-Dichloropropene	7.96	75	1107	6.224	ug/l #	48
38) Carbon Tetrachloride	7.95	117	1360	7.902	ug/l #	12
51) 4-Methyl-2-Pentanone	10.33	43	109	1.656	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	3736	89.777	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	3736	192.155	ug/l #	7

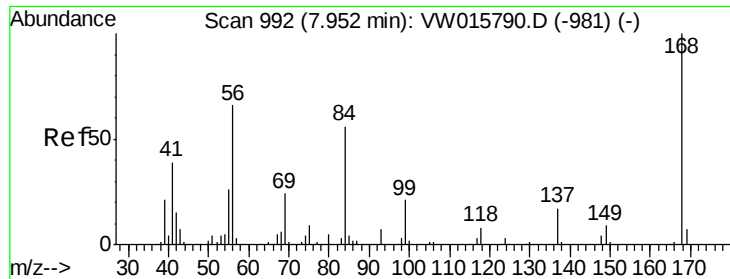
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW070920\
Data File : VW015832.D
Acq On : 09 Jul 2020 16:37
Operator : SY/VA
Sample : L3203-13RE
Misc : 6.63G/5ML/MSVOA W/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampled :
RO-06RE

Quant Time: Jul 10 05:44:26 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W070720S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 08 08:28:05 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.01 min

Lab File: VW015832.D

Acq: 09 Jul 2020 16:37

Instrument :

MSVOA_W

ClientSampleId :

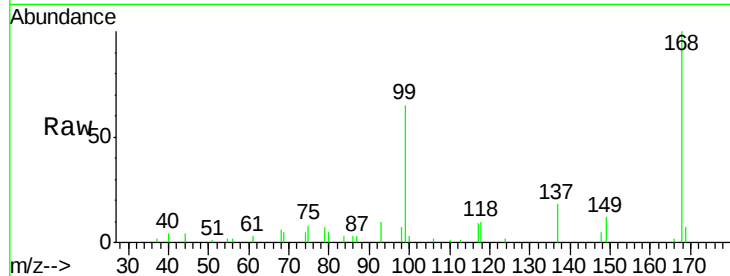
RO-06RE

Tot Ion:168 Resp: 12524

Ion Ratio Lower Upper

168 100

99 64.9 47.8 71.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.96

6000

5000

4000

3000

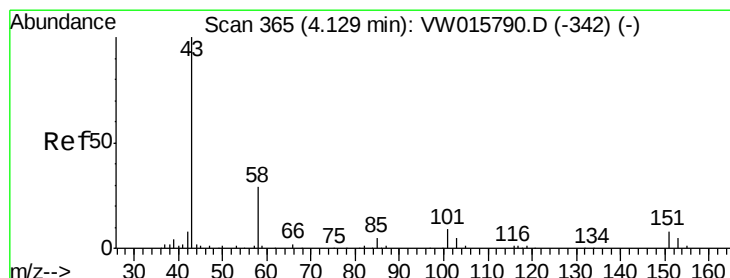
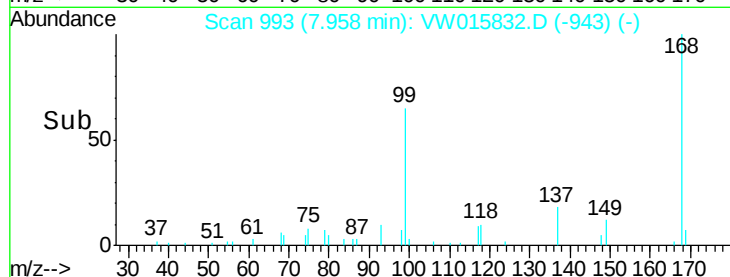
2000

1000

0

Time-->

7.85 7.90 7.95 8.00 8.05



#16

Acetone

Concen: 66.305 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW015832.D

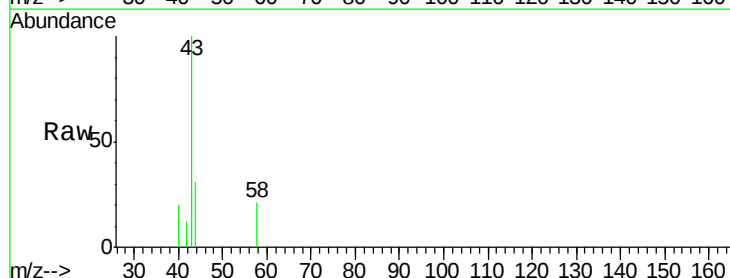
Acq: 09 Jul 2020 16:37

Tgt Ion: 43 Resp: 1600

Ion Ratio Lower Upper

43 100

58 21.4 23.5 35.3#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.14

600

500

400

300

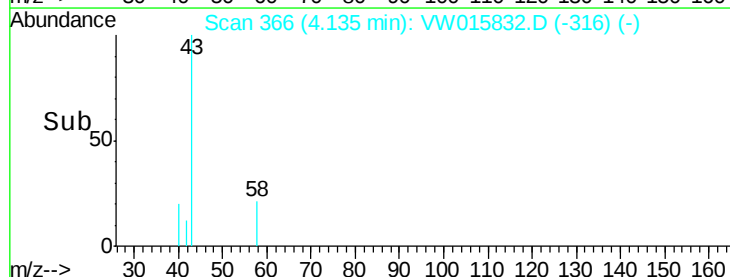
200

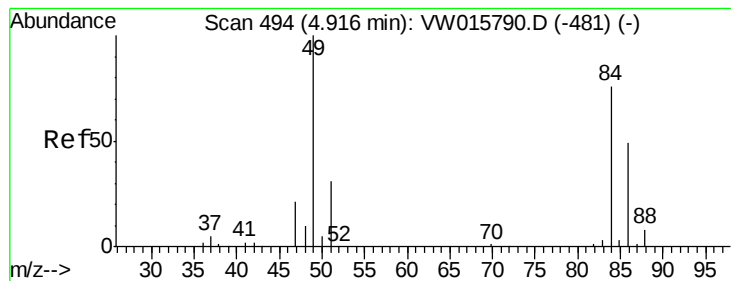
100

0

Time-->

4.05 4.10 4.15 4.20





#20

Methvlene Chloride

Concen: 34.911 ug/l

RT: 4.93 min Scan# 496

Delta R.T. 0.01 min

Lab File: VW015832.D

Acq: 09 Jul 2020 16:37

Instrument :

MSVOA_W

ClientSampleId :

RO-06RE

Tot Ion: 84 Resp: 4498

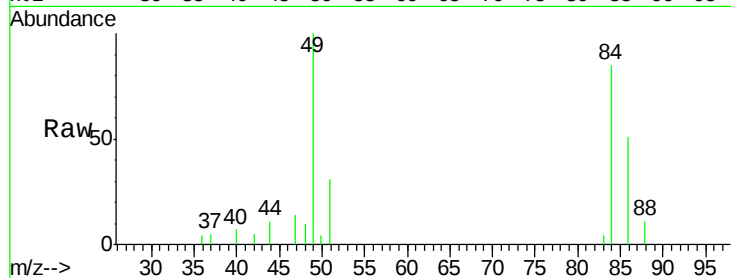
Ion Ratio Lower Upper

84 100

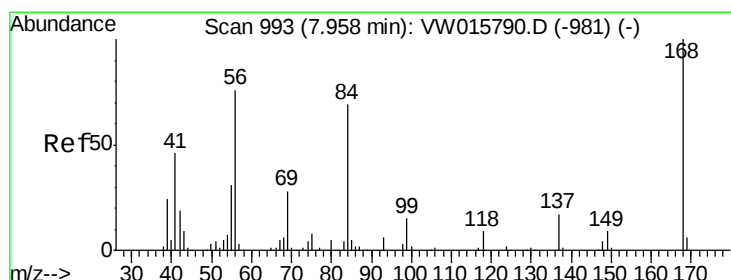
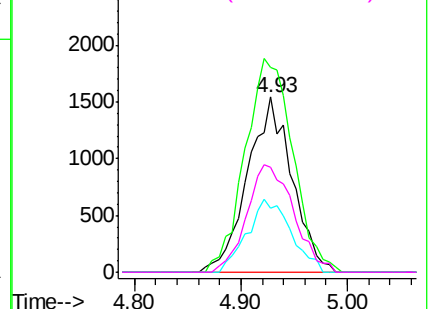
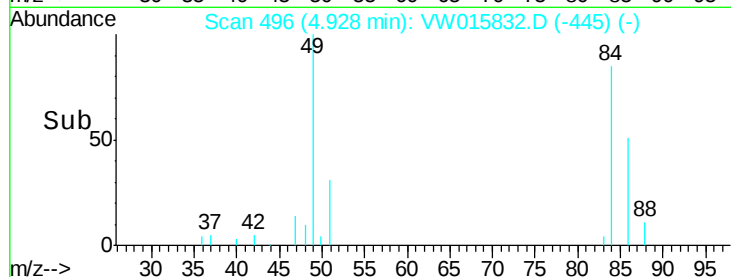
49 117.2 105.0 157.6

51 36.8 32.3 48.5

86 60.2 51.2 76.8



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



#31

Cyclohexane

Concen: 1.491 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW015832.D

Acq: 09 Jul 2020 16:37

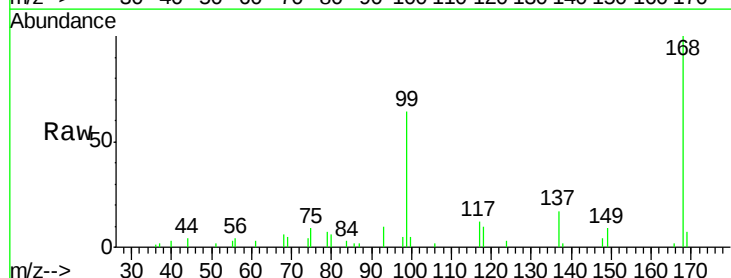
Tgt Ion: 56 Resp: 333

Ion Ratio Lower Upper

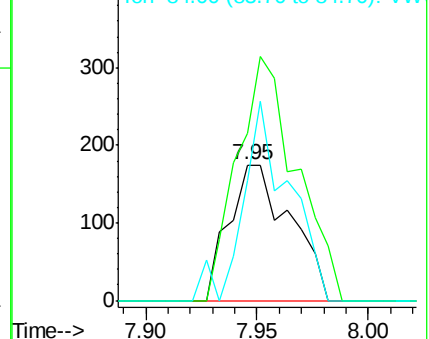
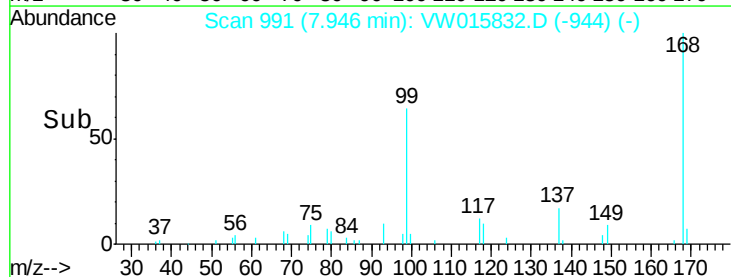
56 100

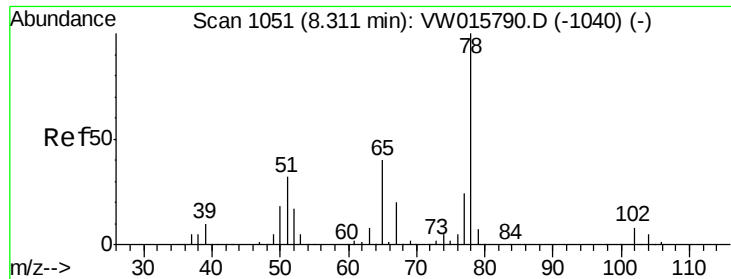
69 122.9 28.9 43.3#

84 88.0 72.2 108.4



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

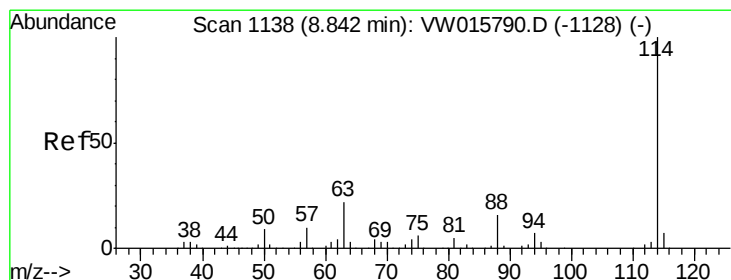
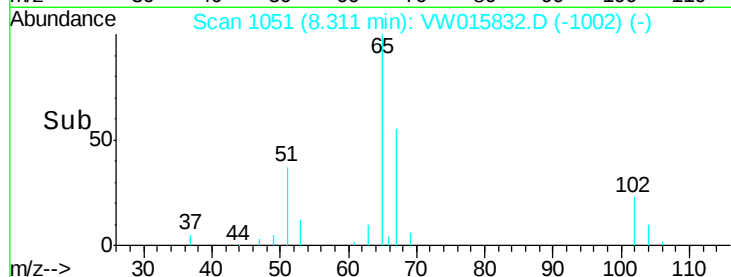
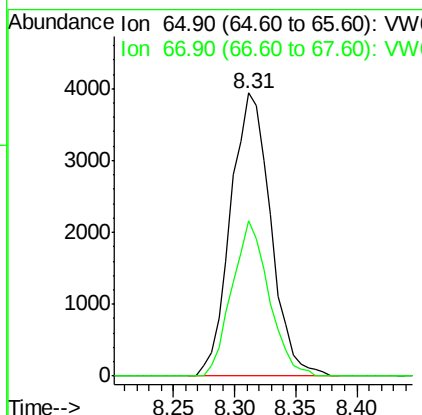
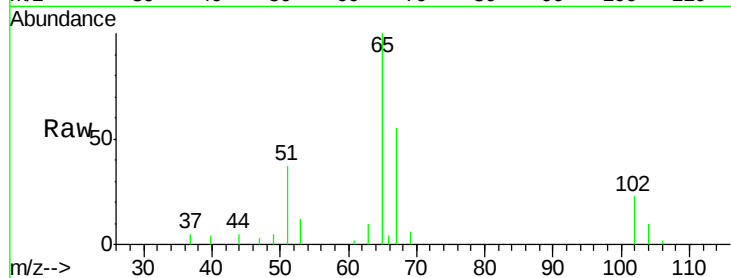




#33
 1,2-Dichloroethane-d4
 Concen: 69.328 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VW015832.D
 Acq: 09 Jul 2020 16:37

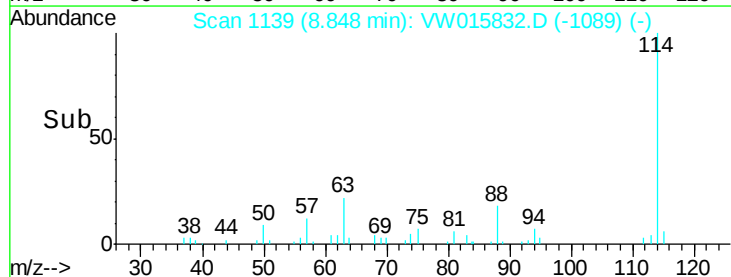
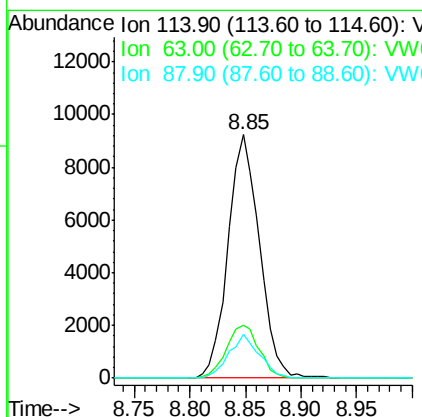
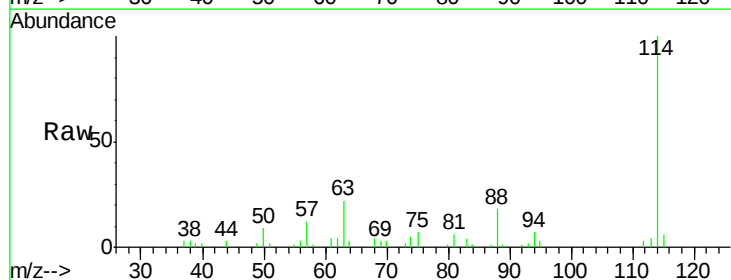
Instrument :
 MSVOA_W
 ClientSampleId :
 RO-06RE

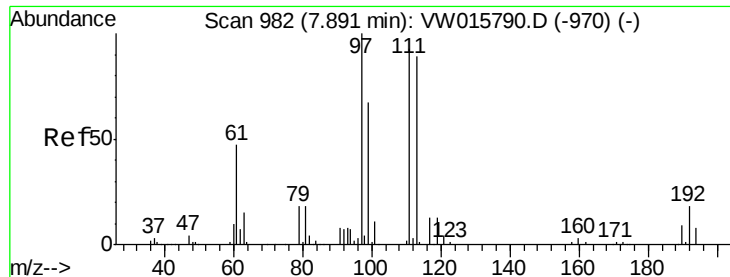
Tot Ion: 65 Resp: 8941
 Ion Ratio Lower Upper
 65 100
 67 50.6 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.01 min
 Lab File: VW015832.D
 Acq: 09 Jul 2020 16:37

Tgt Ion: 114 Resp: 18044
 Ion Ratio Lower Upper
 114 100
 63 21.8 0.0 44.4
 88 17.8 0.0 32.6

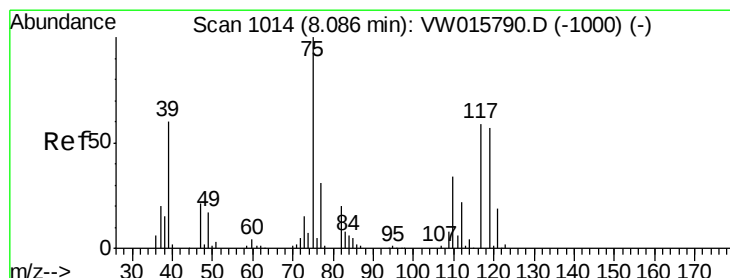
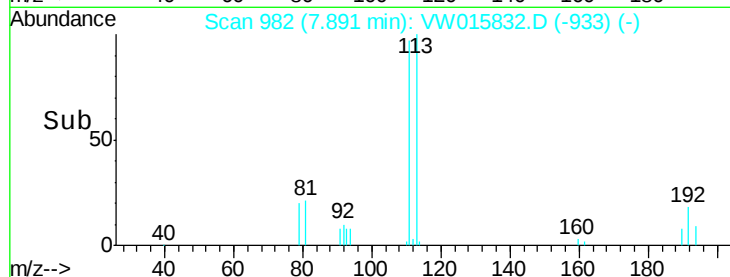
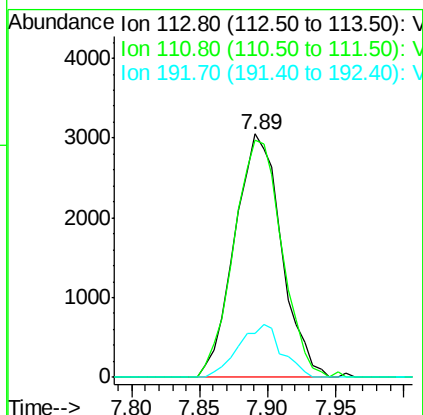
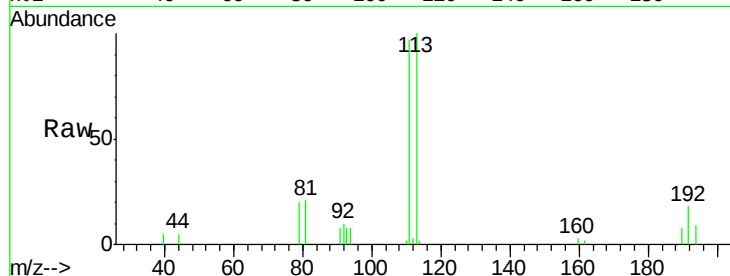




#35
 Dibromofluoromethane
 Concen: 69.629 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VW015832.D
 Acq: 09 Jul 2020 16:37

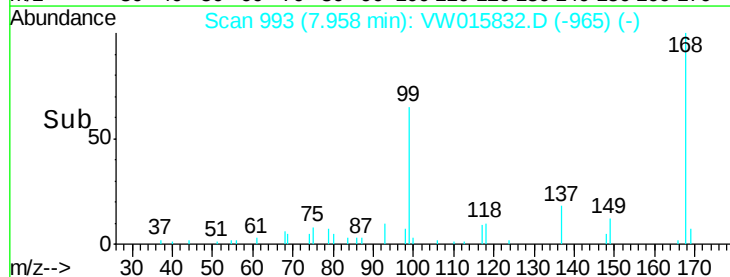
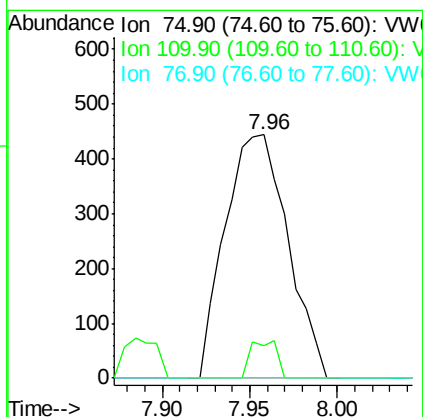
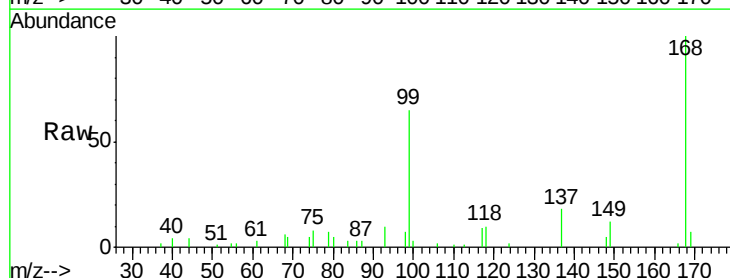
Instrument :
 MSVOA_W
 ClientSampleId :
 RO-06RE

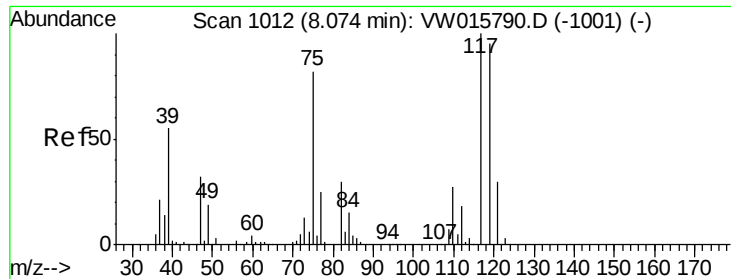
Tot Ion:113 Resp: 7330
 Ion Ratio Lower Upper
 113 100
 111 100.0 82.8 124.2
 192 19.9 15.4 23.2



#36
 1,1-Dichloropropene
 Concen: 6.224 ug/l
 RT: 7.96 min Scan# 993
 Delta R.T. -0.13 min
 Lab File: VW015832.D
 Acq: 09 Jul 2020 16:37

Tgt Ion: 75 Resp: 1107
 Ion Ratio Lower Upper
 75 100
 110 6.4 16.8 50.3#
 77 0.0 24.7 37.1#

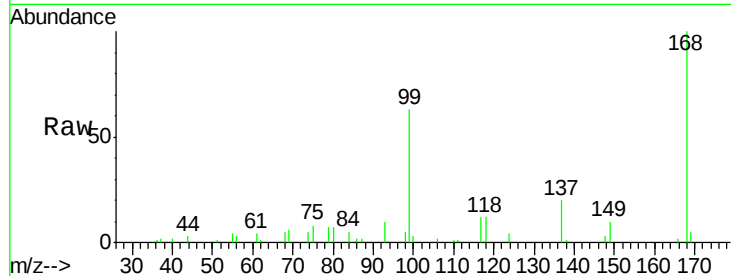




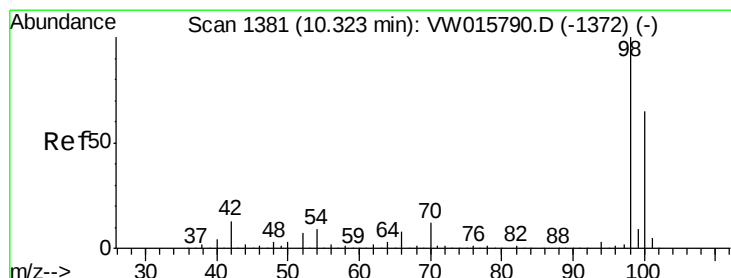
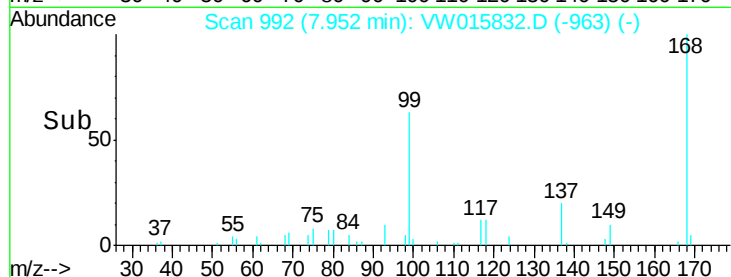
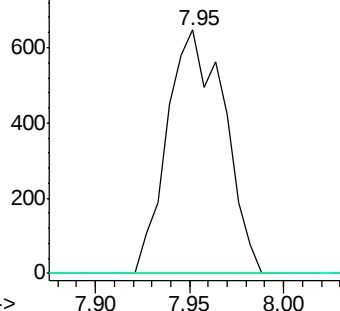
#38
Carbon Tetrachloride
Concen: 7.902 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW015832.D
Acq: 09 Jul 2020 16:37

Instrument :
MSVOA_W
ClientSampleId :
RO-06RE

Tot Ion:117 Resp: 1360
Ion Ratio Lower Upper
117 100
119 0.0 76.3 114.5#
121 0.0 24.0 36.0#

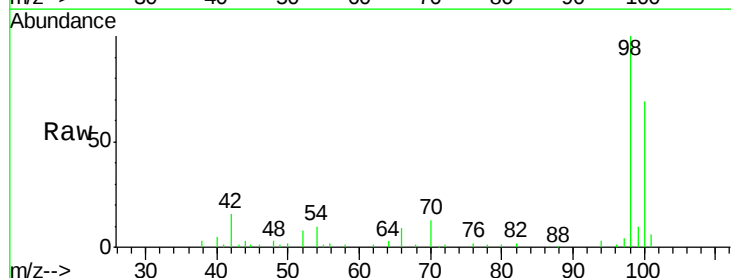


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

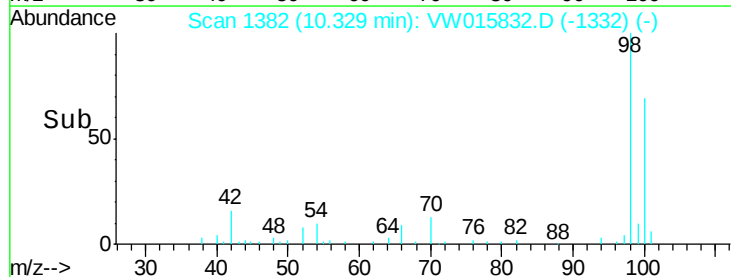
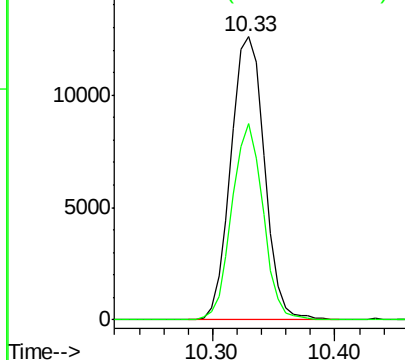


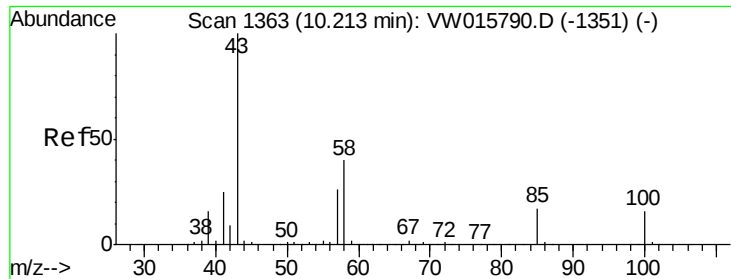
#50
Toluene-d8
Concen: 59.236 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. 0.01 min
Lab File: VW015832.D
Acq: 09 Jul 2020 16:37

Tgt Ion: 98 Resp: 23953
Ion Ratio Lower Upper
98 100
100 64.3 52.6 79.0



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: 1.656 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.12 min

Lab File: VW015832.D

Acq: 09 Jul 2020 16:37

Instrument :

MSVOA_W

ClientSampled :

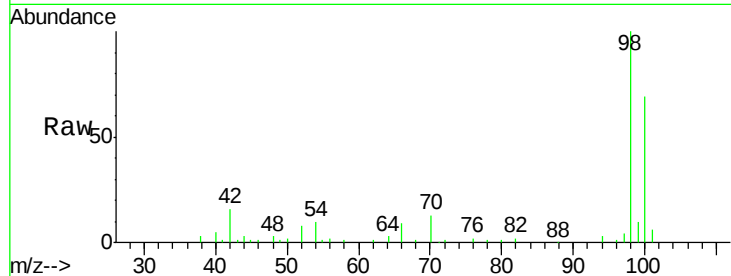
RO-06RE

Tot Ion: 43 Resp: 109

Ion Ratio Lower Upper

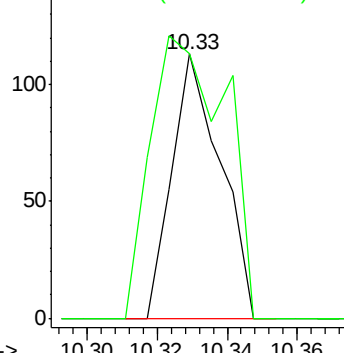
43 100

58 165.1 30.9 46.3#

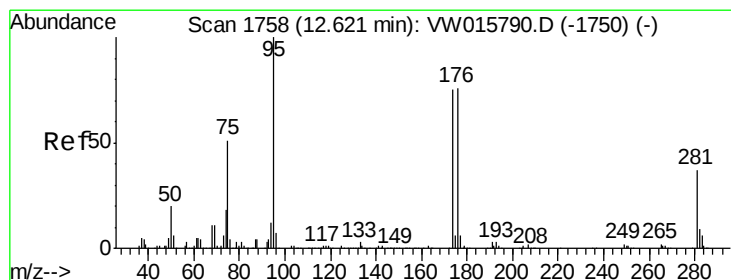
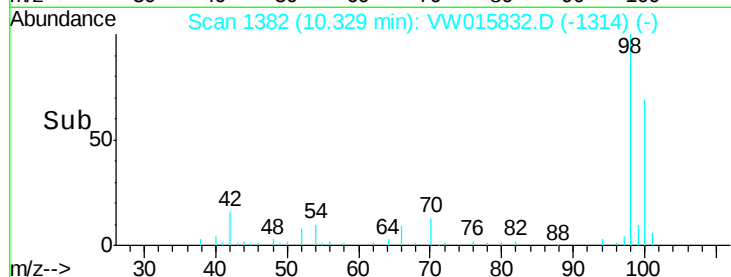


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



Time-->



#62

4-Bromofluorobenzene

Concen: 42.708 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW015832.D

Acq: 09 Jul 2020 16:37

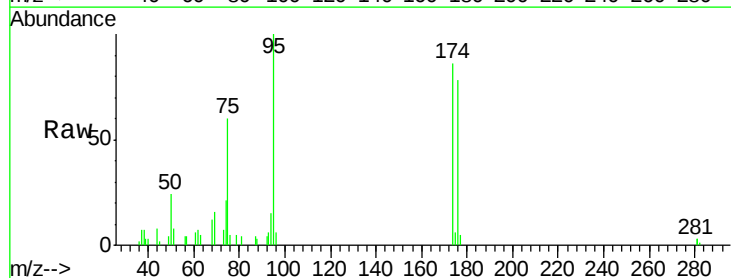
Tgt Ion: 95 Resp: 6337

Ion Ratio Lower Upper

95 100

174 77.5 0.0 150.2

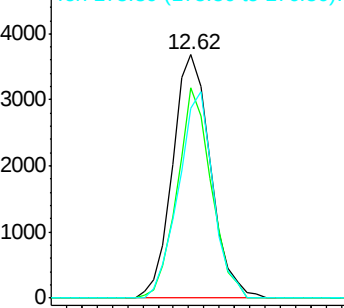
176 77.3 0.0 148.4



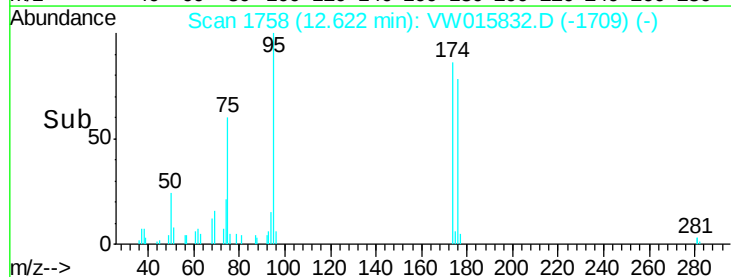
Abundance Ion 94.90 (94.60 to 95.60): VW

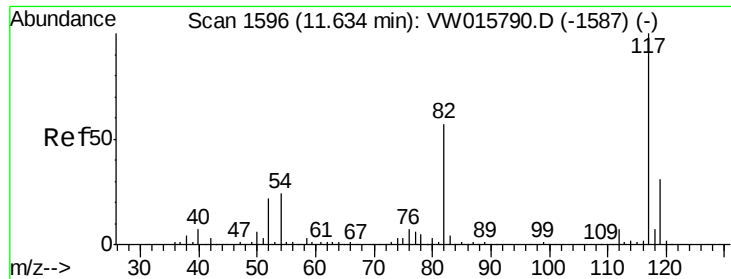
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->

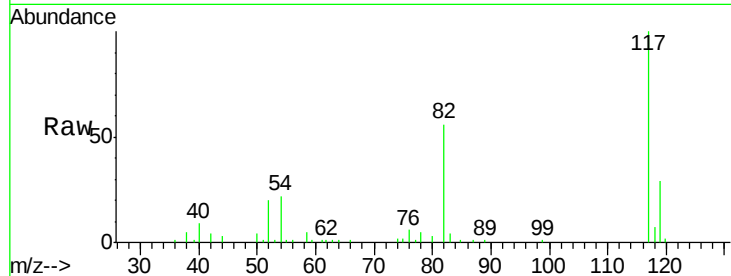




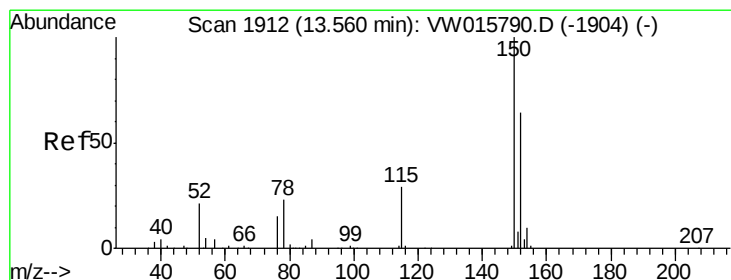
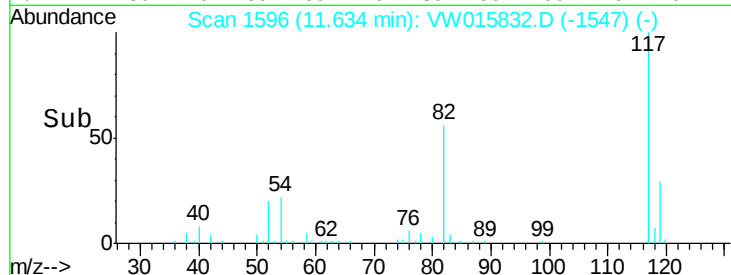
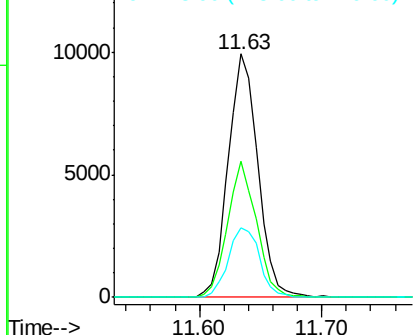
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW015832.D
Acq: 09 Jul 2020 16:37

Instrument :
MSVOA_W
ClientSampleId :
RO-06RE

Tot Ion:117 Resp: 16637
Ion Ratio Lower Upper
117 100
82 55.8 45.5 68.3
119 28.6 25.0 37.6

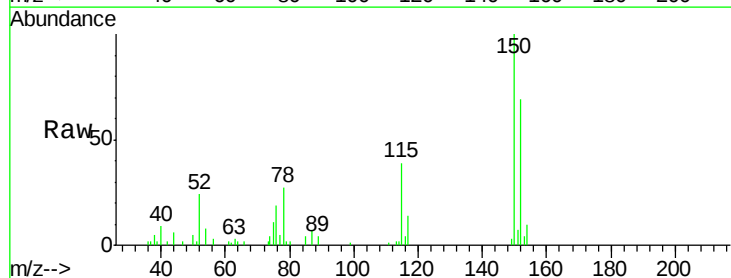


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

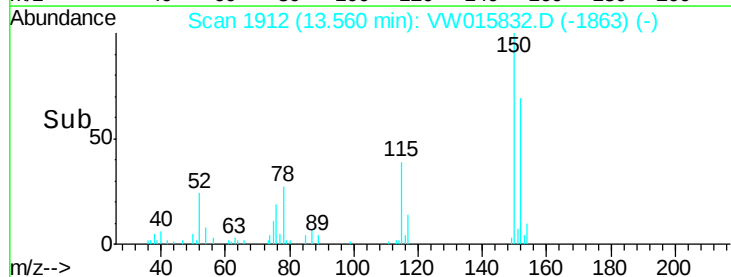
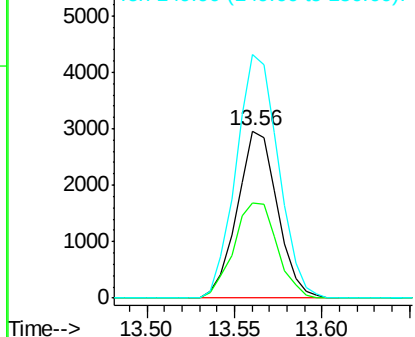


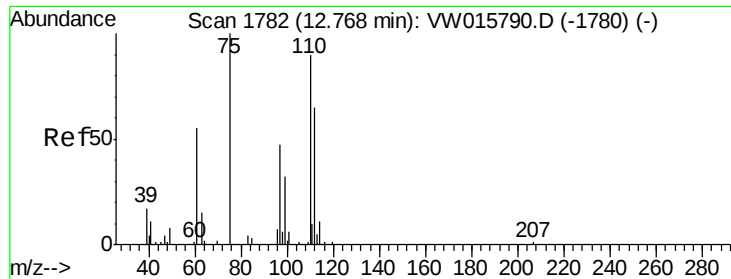
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW015832.D
Acq: 09 Jul 2020 16:37

Tgt Ion:152 Resp: 4735
Ion Ratio Lower Upper
152 100
115 60.9 29.9 89.7
150 152.4 0.0 350.8



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: 89.777 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW015832.D

Acq: 09 Jul 2020 16:37

Instrument :

MSVOA_W

ClientSampleId :

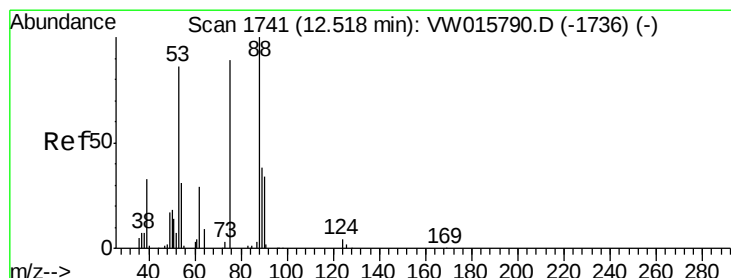
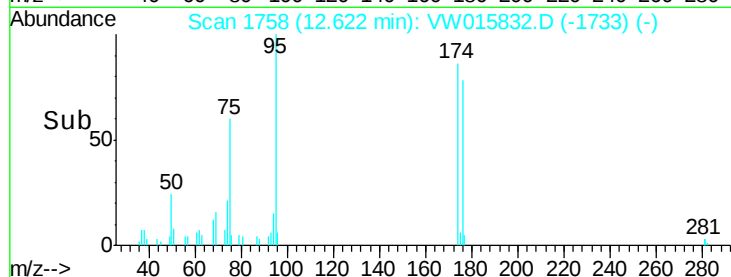
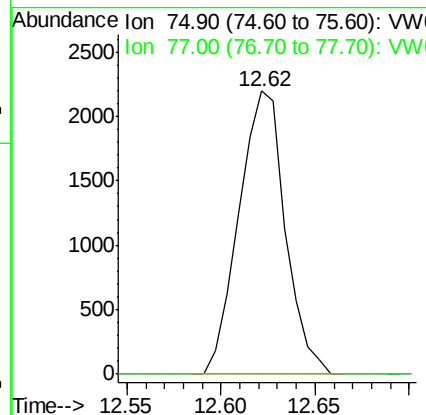
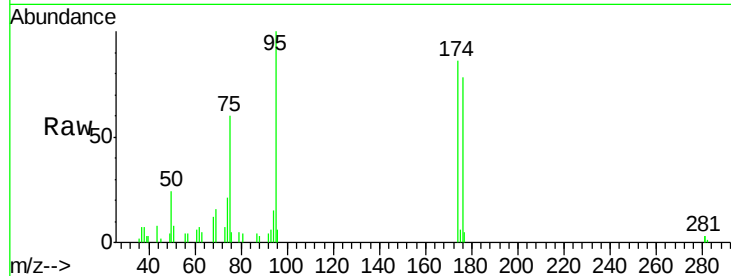
RO-06RE

Tot Ion: 75 Resp: 3736

Ion Ratio Lower Upper

75 100

77 0.0 177.3 532.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 192.155 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW015832.D

Acq: 09 Jul 2020 16:37

Tgt Ion: 75 Resp: 3736

Ion Ratio Lower Upper

75 100

53 0.0 85.9 128.9#

89 0.0 36.2 54.4#

