

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091019\
 Data File : VW012890.D
 Acq On : 11 Sep 2019 01:28
 Operator : SY/VA
 Sample : K4755-02
 Misc : 2.86G/5ML/MSVOA_W/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 RO-1-3

Quant Time: Sep 11 08:23:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090719S.M
 Quant Title : SW846 8260
 QLast Update : Sun Sep 08 05:04:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	258518	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	393421	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	315976	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	117289	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	138741	48.03	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.06%	
35) Dibromofluoromethane	7.88	113	113453	48.50	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.00%	
50) Toluene-d8	10.32	98	460520	50.26	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.52%	
62) 4-Bromofluorobenzene	12.62	95	135632	40.77	ug/l	0.00
Spiked Amount 50.000			Recovery	=	81.54%	

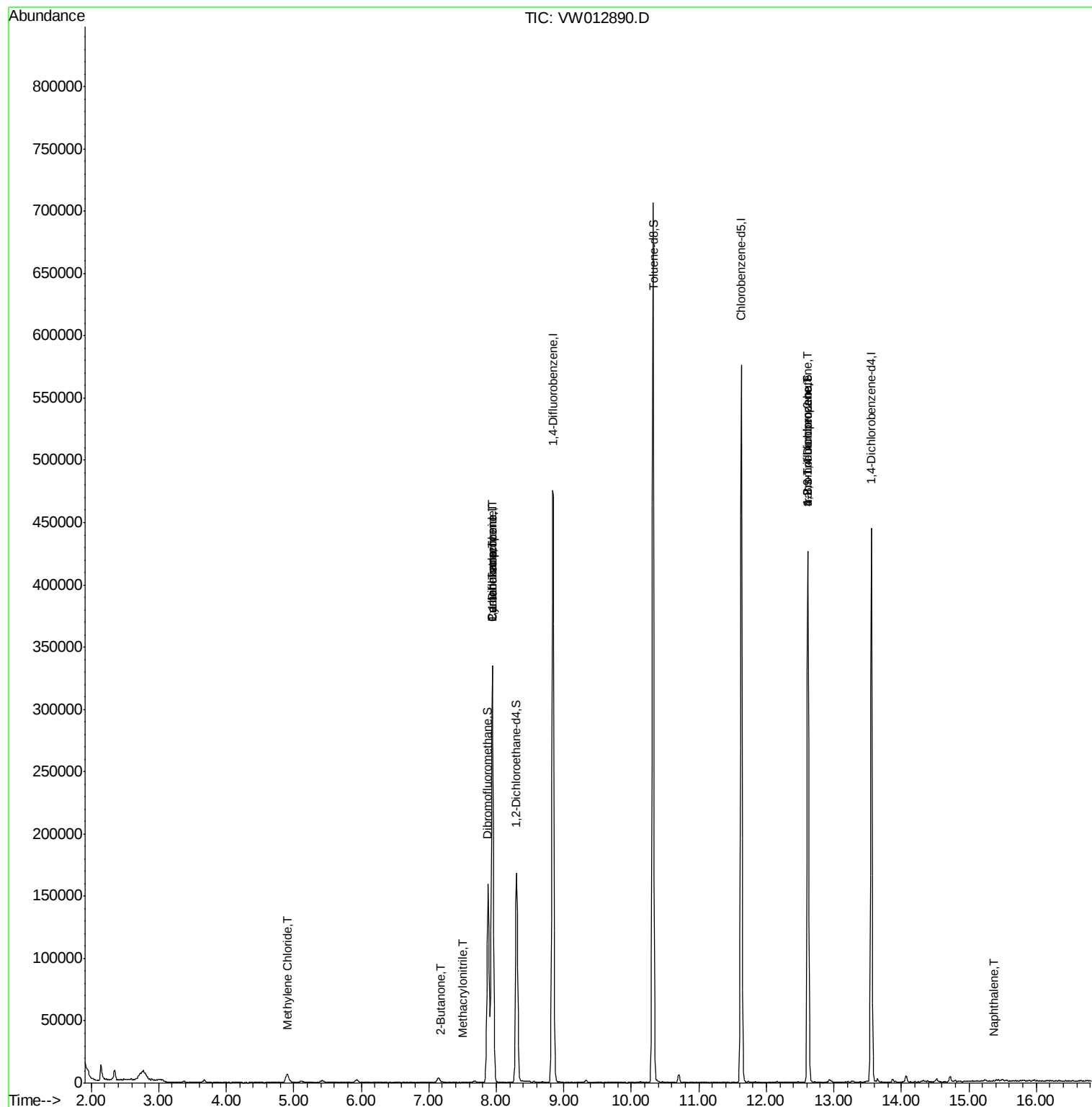
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
20) Methylene Chloride	4.90	84	4641	1.884	ug/l #	83
25) 2-Butanone	7.18	43	37	19.710	ug/l #	53
31) Cyclohexane	7.94	56	5588	1.316	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	19664	5.625	ug/l #	53
38) Carbon Tetrachloride	7.95	117	24726	7.176	ug/l #	16
41) Methacrylonitrile	7.49	41	20	3.851	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	71691	59.776	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	71691	126.430	ug/l #	6
95) Naphthalene	15.38	128	299	4.494	ug/l #	69

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

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Quant Title : SW846 8260
QLast Update : Sun Sep 08 05:04:40 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: VW012890.D

Acq: 11 Sep 2019 01:28

Instrument :

MSVOA_W

ClientSampleId :

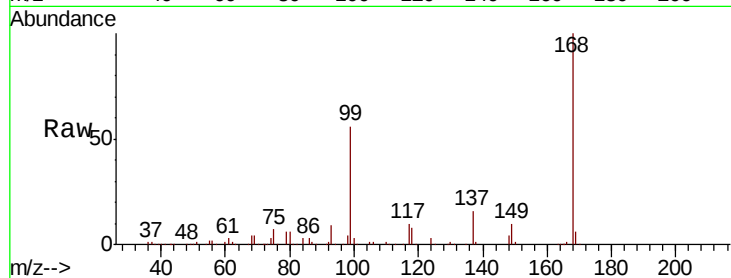
RO-1-3

Tgt Ion:168 Resp: 258518

Ion Ratio Lower Upper

168 100

99 55.7 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

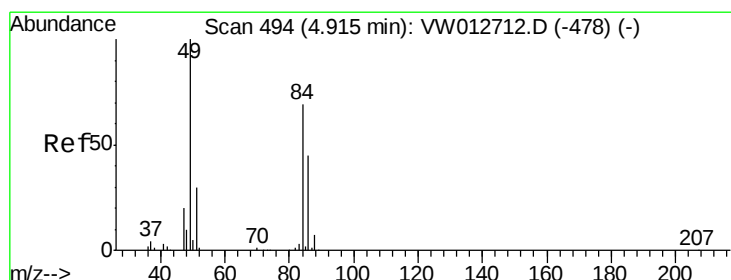
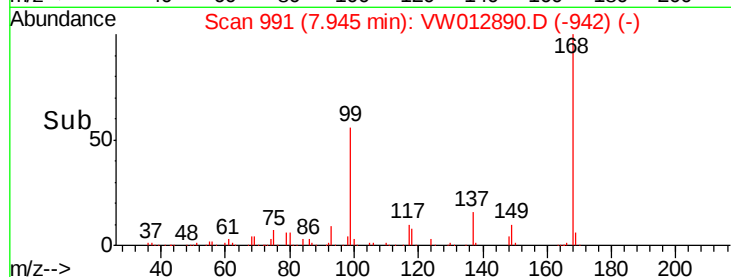
7.95

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#20

Methylene Chloride

Concen: 1.884 ug/l

RT: 4.90 min Scan# 491

Delta R.T. -0.02 min

Lab File: VW012890.D

Acq: 11 Sep 2019 01:28

Tgt Ion: 84 Resp: 4641

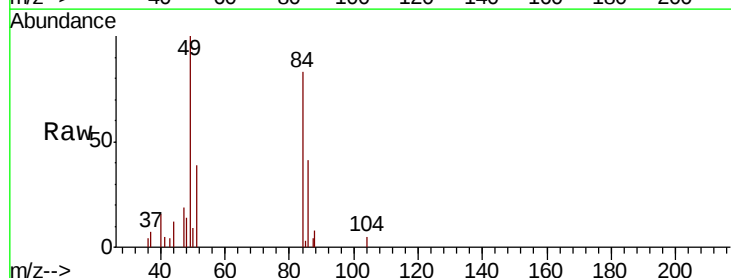
Ion Ratio Lower Upper

84 100

49 120.3 115.4 173.0

51 46.9 34.9 52.3

86 49.5 52.2 78.4#



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

4.90

3000

2500

2000

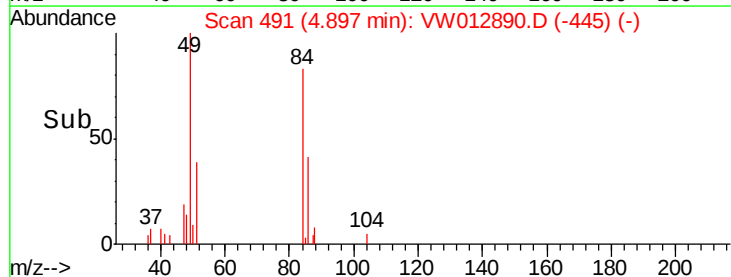
1500

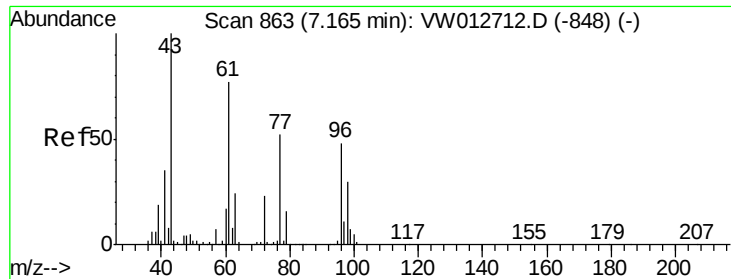
1000

500

0

Time--> 4.80 4.90 5.00

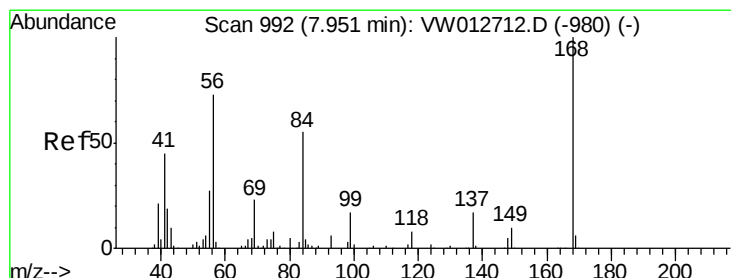
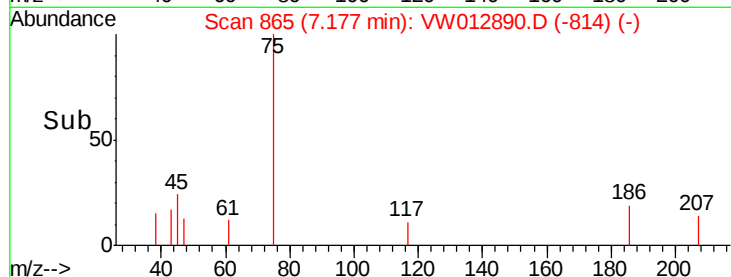
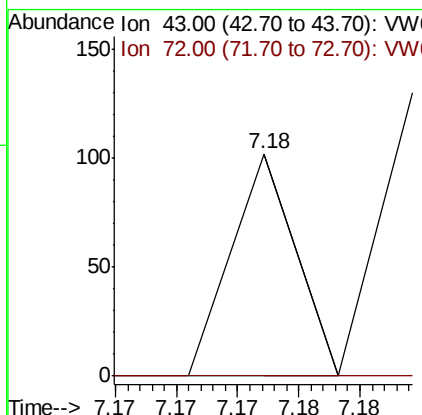
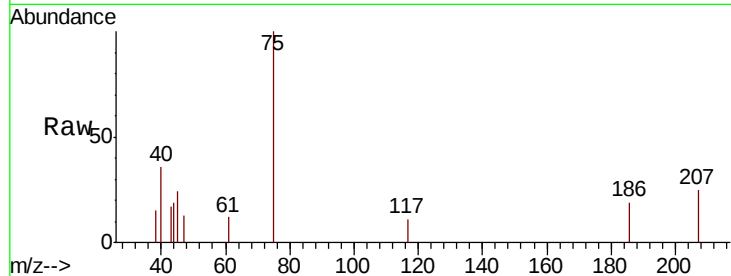




#25
2-Butanone
Concen: 19.710 ug/l
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW012890.D
Acq: 11 Sep 2019 01:28

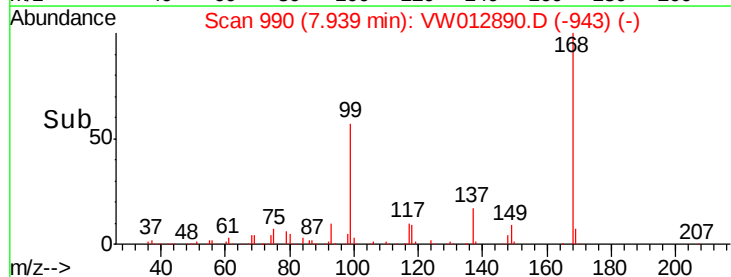
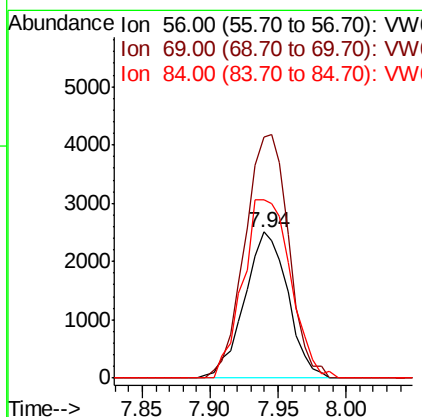
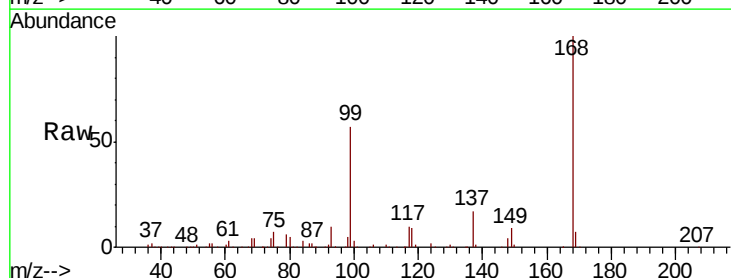
Instrument :
MSVOA_W
ClientSampled :
RO-1-3

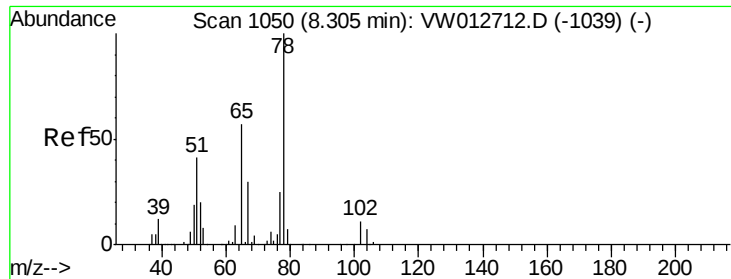
Tgt Ion: 43 Resp: 37
Ion Ratio Lower Upper
43 100
72 0.0 18.0 27.0#



#31
Cyclohexane
Concen: 1.316 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW012890.D
Acq: 11 Sep 2019 01:28

Tgt Ion: 56 Resp: 5588
Ion Ratio Lower Upper
56 100
69 165.1 25.7 38.5#
84 122.3 60.4 90.6#

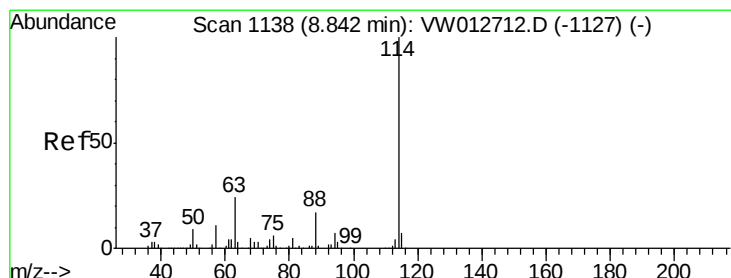
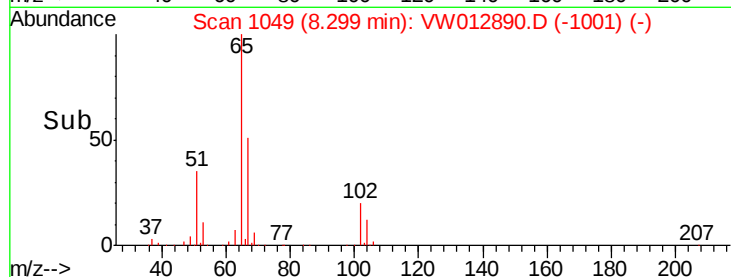
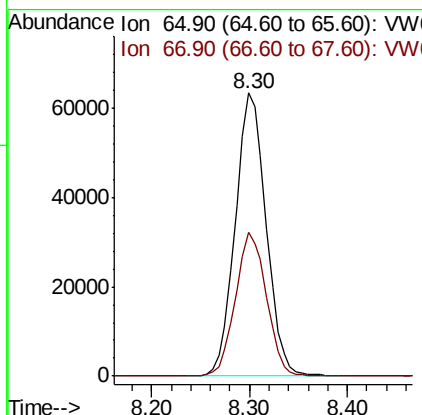
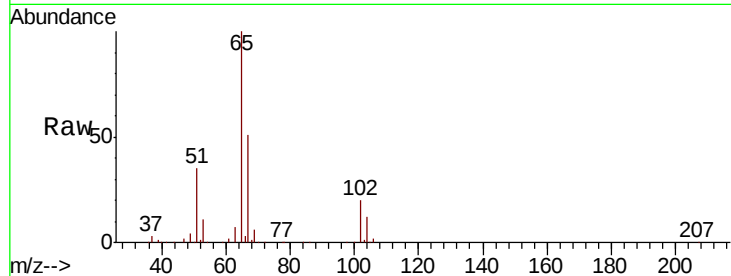




#33
 1,2-Dichloroethane-d4
 Concen: 48.032 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW012890.D
 Acq: 11 Sep 2019 01:28

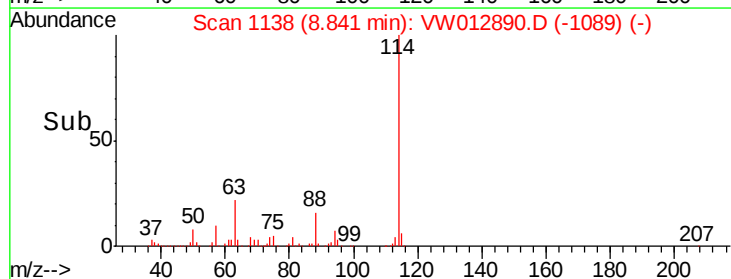
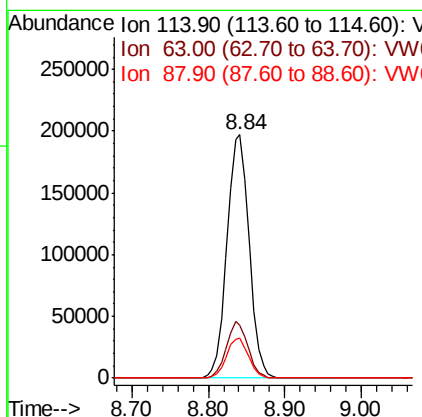
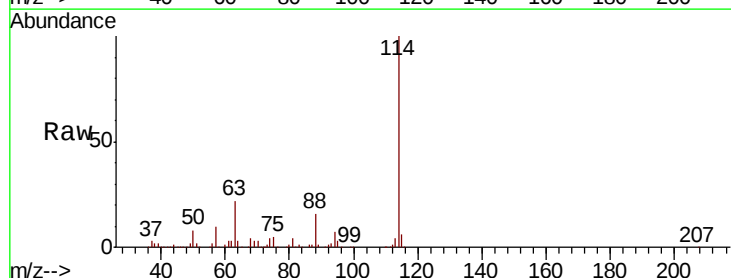
Instrument :
 MSVOA_W
 ClientSampleId :
 RO-1-3

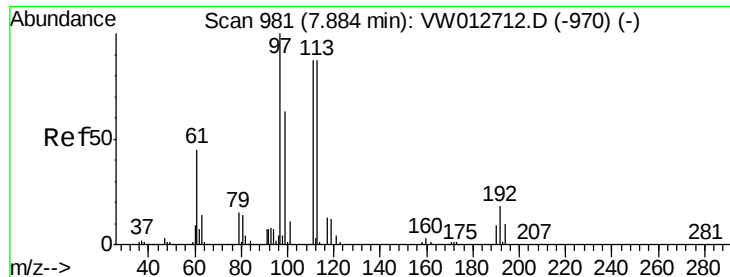
Tgt Ion: 65 Resp: 138741
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012890.D
 Acq: 11 Sep 2019 01:28

Tgt Ion: 114 Resp: 393421
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 47.2
 88 16.5 0.0 34.0





#35

Dibromofluoromethane

Concen: 48.505 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012890.D

Acq: 11 Sep 2019 01:28

Instrument :

MSVOA_W

ClientSampleId :

RO-1-3

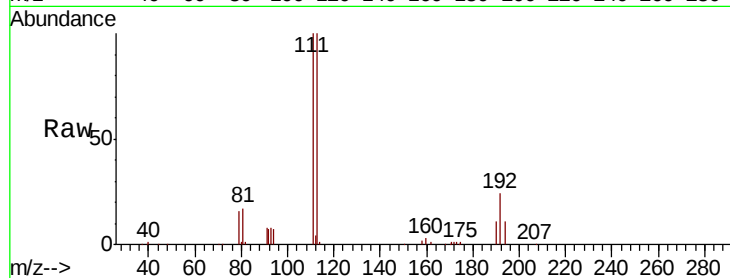
Tgt Ion:113 Resp: 113453

Ion Ratio Lower Upper

113 100

111 103.3 80.2 120.4

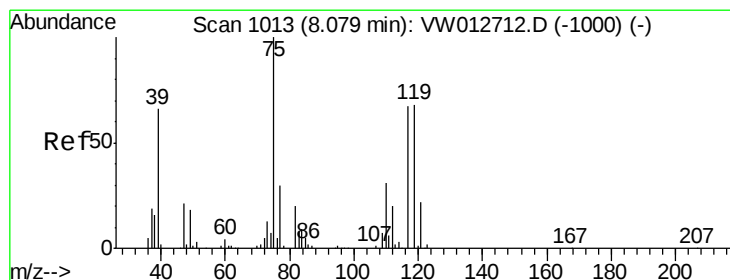
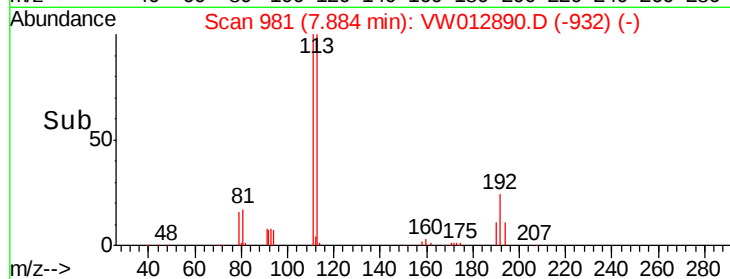
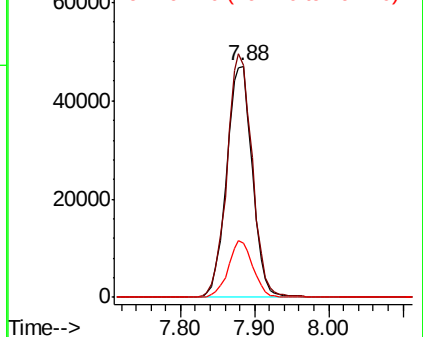
192 23.3 17.3 25.9



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: 5.625 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW012890.D

Acq: 11 Sep 2019 01:28

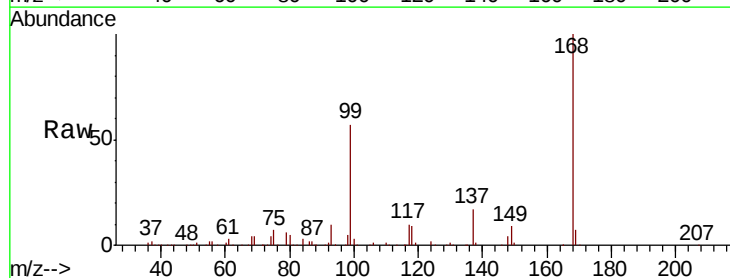
Tgt Ion: 75 Resp: 19664

Ion Ratio Lower Upper

75 100

110 10.9 15.9 47.7#

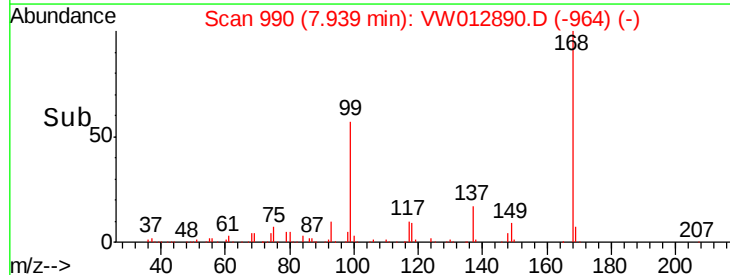
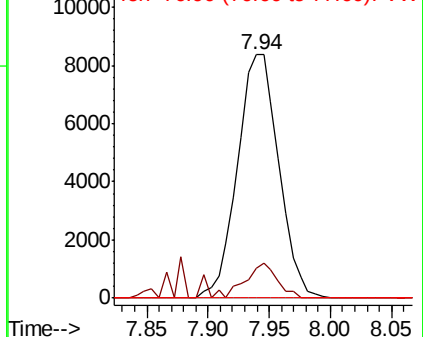
77 0.0 25.0 37.4#

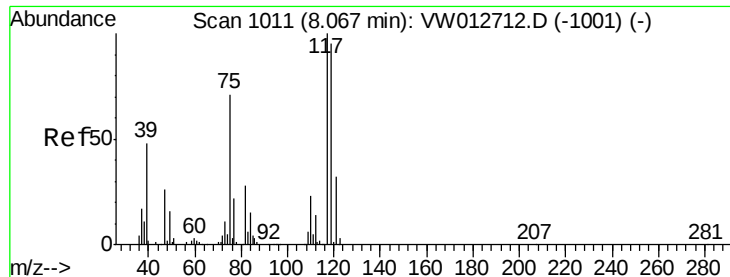


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 7.176 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012890.D

Acq: 11 Sep 2019 01:28

Instrument :

MSVOA_W

ClientSampled :

RO-1-3

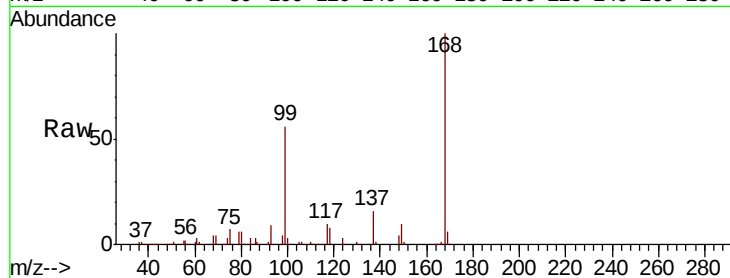
Tgt Ion: 117 Resp: 24726

Ion Ratio Lower Upper

117 100

119 5.1 76.2 114.2#

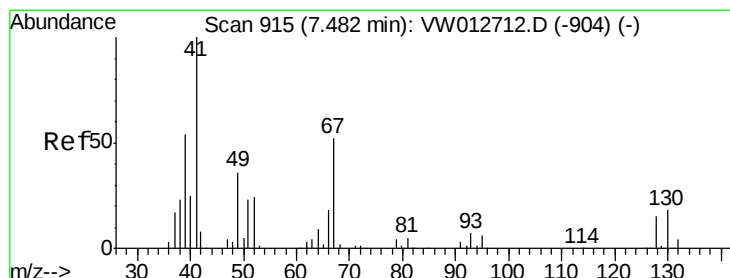
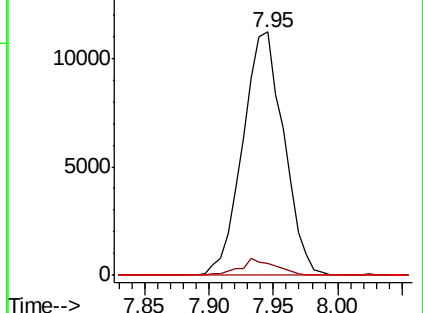
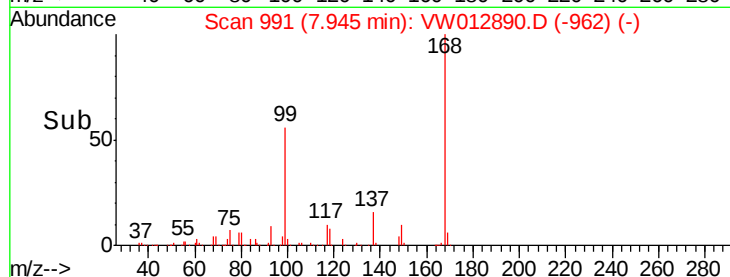
121 0.0 25.4 38.2#



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



#41

Methacrylonitrile

Concen: 3.851 ug/l

RT: 7.49 min Scan# 917

Delta R.T. 0.01 min

Lab File: VW012890.D

Acq: 11 Sep 2019 01:28

Tgt Ion: 41 Resp: 20

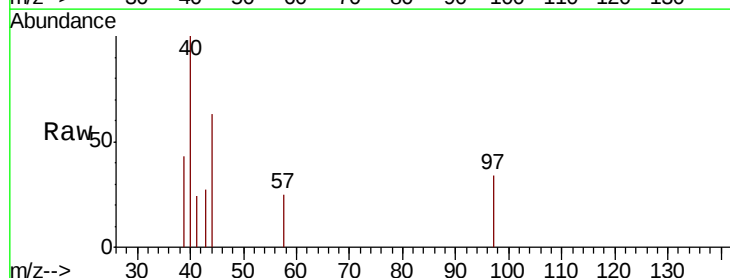
Ion Ratio Lower Upper

41 100

39 410.0 47.5 71.3#

67 0.0 45.1 67.7#

52 0.0 20.2 30.2#

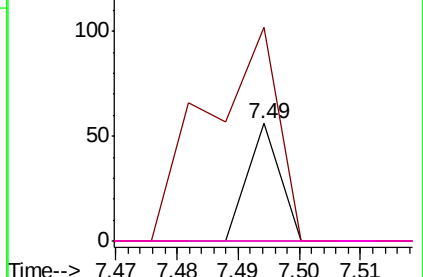
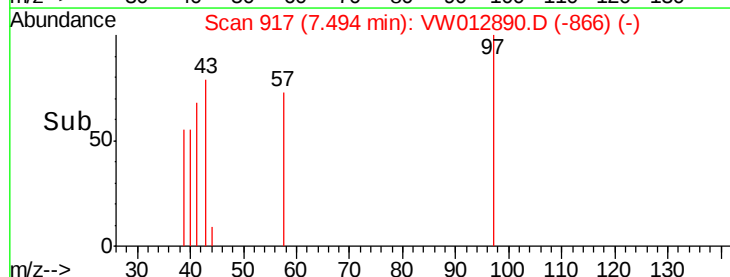


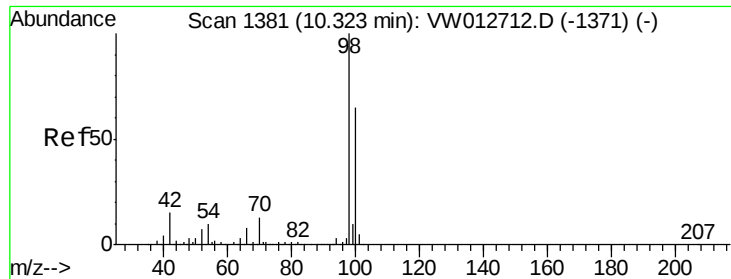
Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW





#50

Toluene-d8

Concen: 50.255 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012890.D

Acq: 11 Sep 2019 01:28

Instrument :

MSVOA_W

ClientSampled :

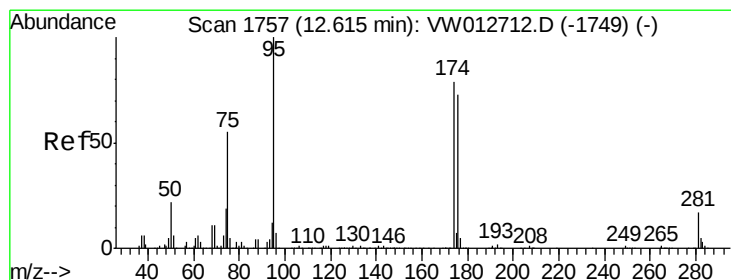
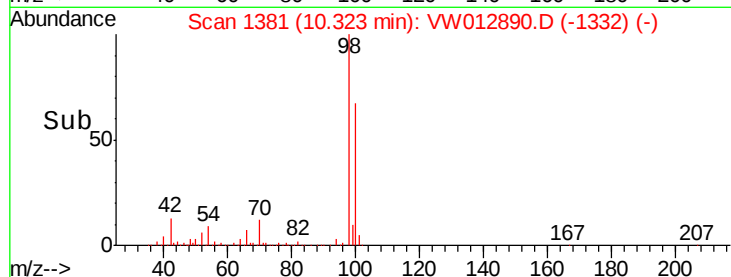
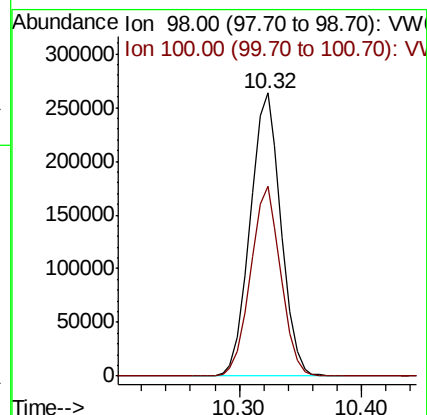
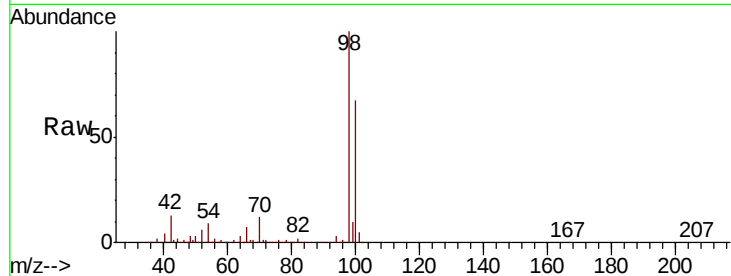
RO-1-3

Tgt Ion: 98 Resp: 460520

Ion Ratio Lower Upper

98 100

100 65.6 52.2 78.4



#62

4-Bromofluorobenzene

Concen: 40.771 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012890.D

Acq: 11 Sep 2019 01:28

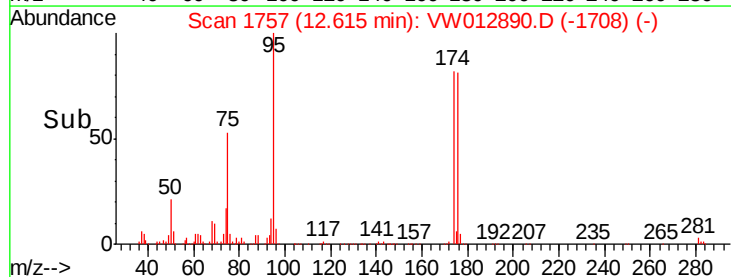
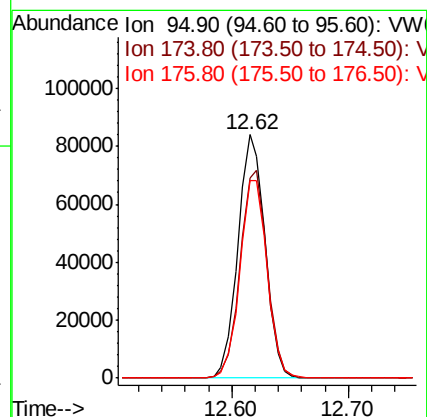
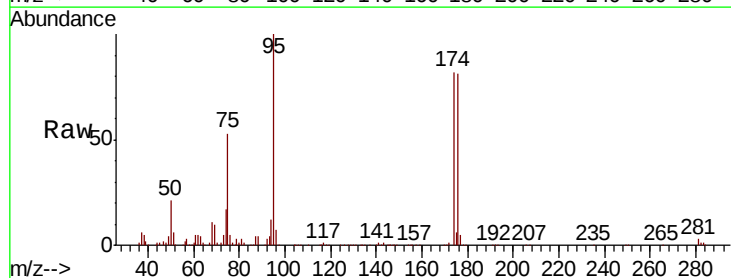
Tgt Ion: 95 Resp: 135632

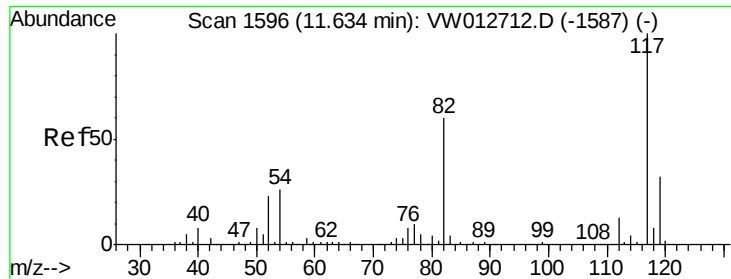
Ion Ratio Lower Upper

95 100

174 85.5 0.0 161.0

176 82.3 0.0 156.4

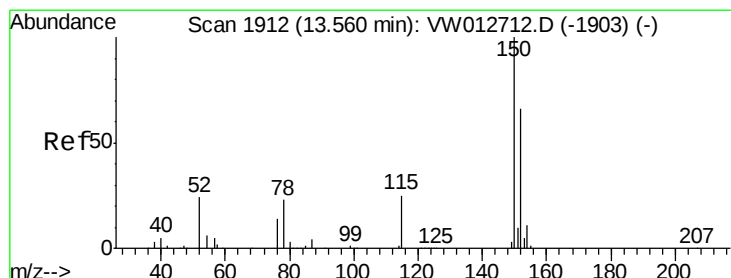
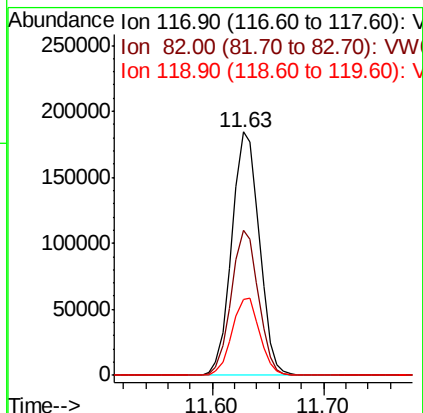
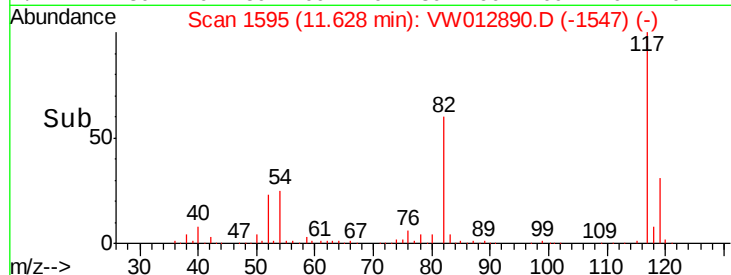
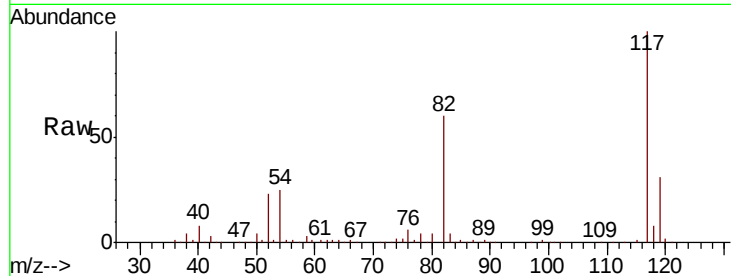




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012890.D
Acq: 11 Sep 2019 01:28

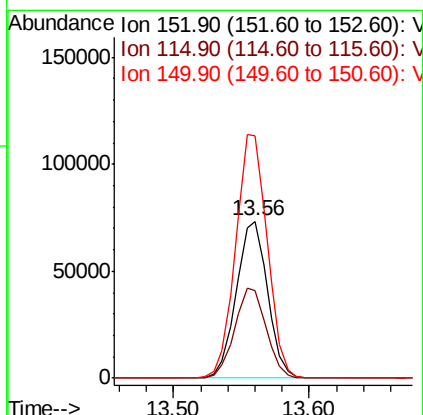
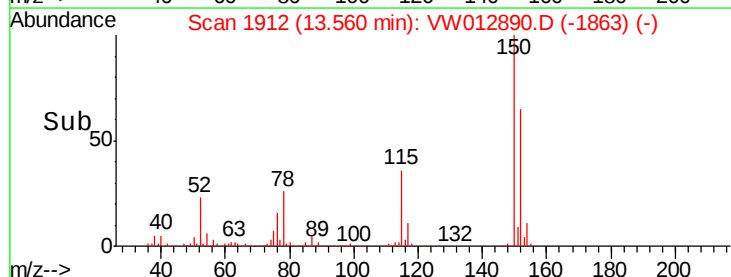
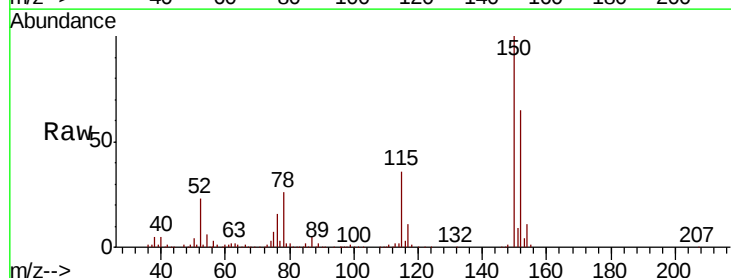
Instrument :
MSVOA_W
ClientSampled :
RO-1-3

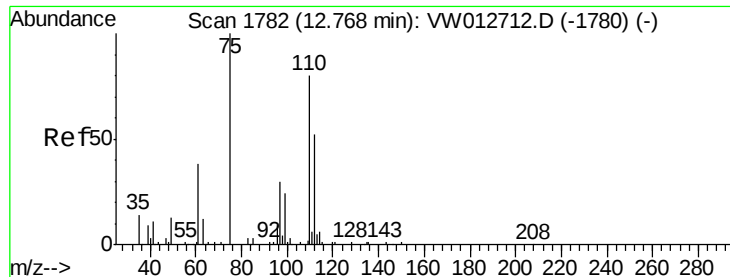
Tgt Ion:117 Resp: 315976
Ion Ratio Lower Upper
117 100
82 59.6 48.2 72.4
119 31.3 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012890.D
Acq: 11 Sep 2019 01:28

Tgt Ion:152 Resp: 117289
Ion Ratio Lower Upper
152 100
115 58.0 30.0 90.1
150 157.0 0.0 349.0





#76

1,2,3-Trichloropropane

Concen: 59.776 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012890.D

Acq: 11 Sep 2019 01:28

Instrument :

MSVOA_W

ClientSampleId :

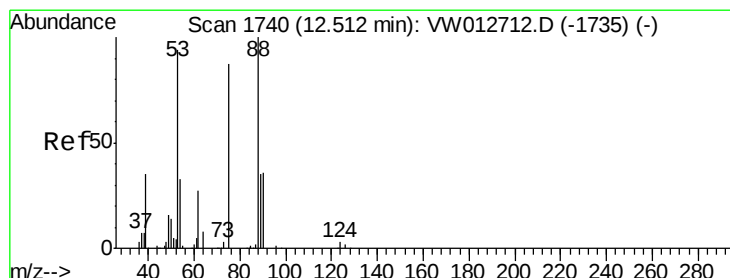
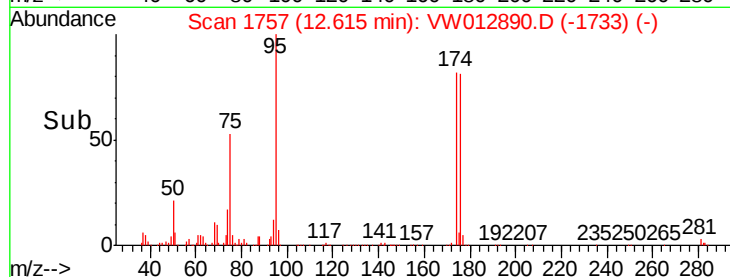
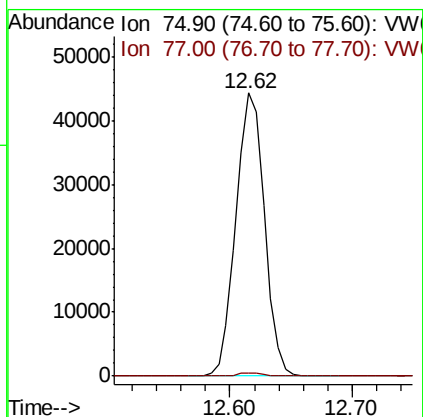
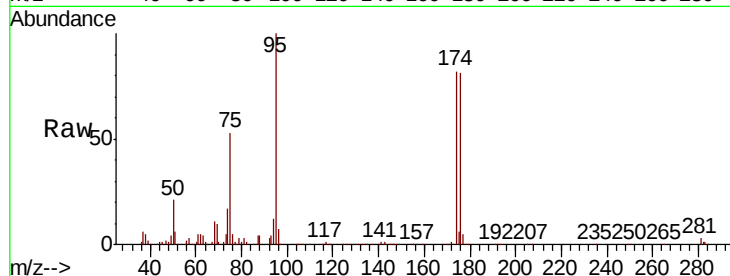
RO-1-3

Tgt Ion: 75 Resp: 71691

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 126.430 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012890.D

Acq: 11 Sep 2019 01:28

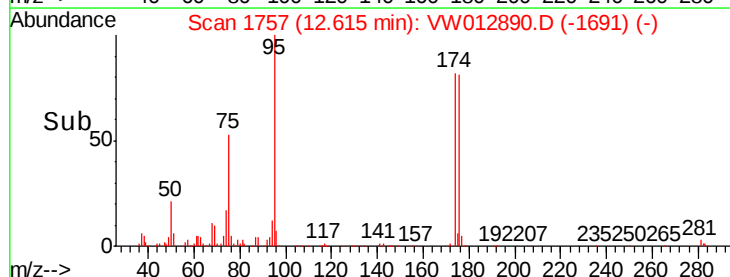
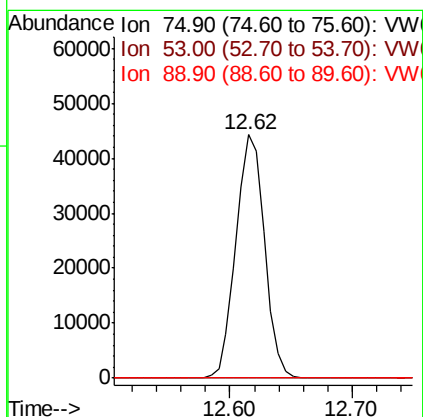
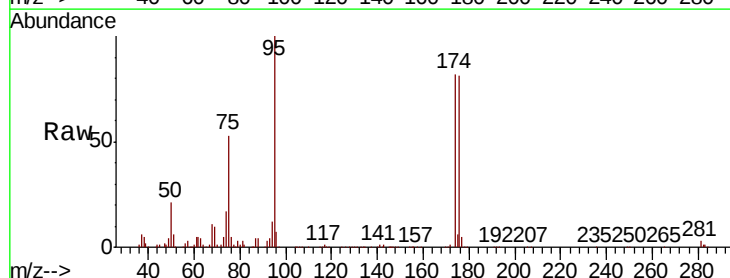
Tgt Ion: 75 Resp: 71691

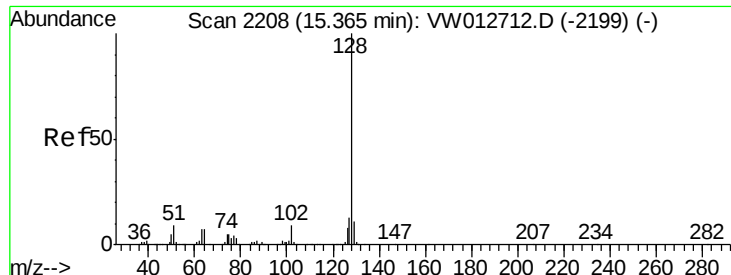
Ion Ratio Lower Upper

75 100

53 0.0 87.6 131.4#

89 0.1 35.5 53.3#





#95

Naphthalene

Concen: 4.494 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.01 min

Lab File: VW012890.D

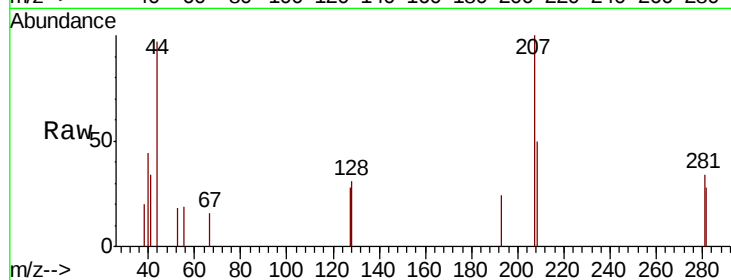
Acq: 11 Sep 2019 01:28

Instrument :

MSVOA_W

ClientSampleId :

RO-1-3



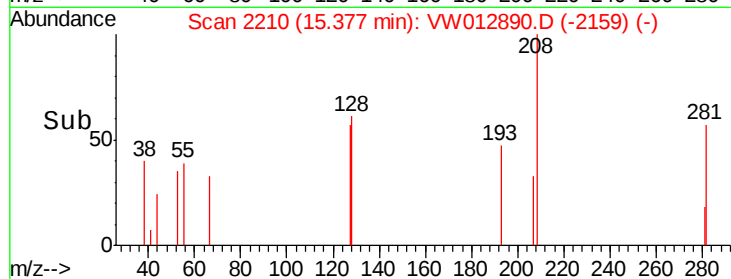
Tgt Ion:128 Resp: 299

Ion Ratio Lower Upper

128 100

127 0.0 10.7 16.1#

129 0.0 8.7 13.1#



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

250

200

150

100

50

0

15.35

15.38

15.40

Time-->