

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082919\
 Data File : VW012308.D
 Acq On : 29 Aug 2019 17:21
 Operator : SY/VA
 Sample : K4572-01
 Misc : 5.21G/5ML/MSVOA_W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 RBR-200059-200035

Quant Time: Aug 30 06:50:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	225281	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	375128	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	304145	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	113489	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	141939	53.00	ug/l	0.00
Spiked Amount			Recovery	=	106.00%	
35) Dibromofluoromethane	7.88	113	113417	50.65	ug/l	0.00
Spiked Amount			Recovery	=	101.30%	
50) Toluene-d8	10.32	98	449962	49.56	ug/l	0.00
Spiked Amount			Recovery	=	99.12%	
62) 4-Bromofluorobenzene	12.61	95	139664	43.64	ug/l	0.00
Spiked Amount			Recovery	=	87.28%	

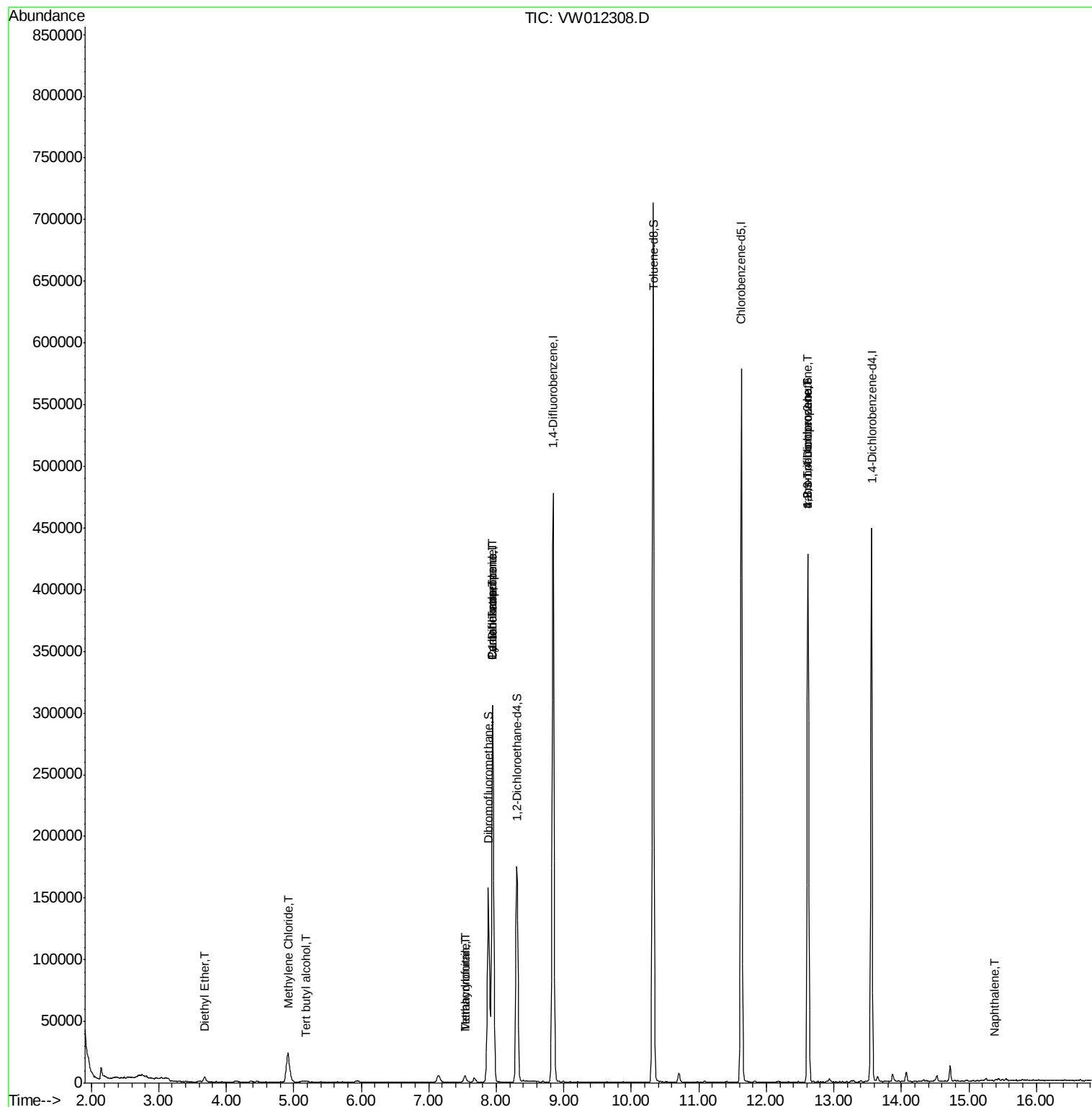
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	2149	1.714	ug/l	93
11) Tert butyl alcohol	5.18	59	722	4.480	ug/l	97
20) Methylene Chloride	4.92	84	17593	6.798	ug/l	89
29) Tetrahydrofuran	7.54	42	4842	8.676	ug/l	100
31) Cyclohexane	7.95	56	5400	1.119	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	19028	4.909	ug/l #	51
38) Carbon Tetrachloride	7.95	117	22763	6.784	ug/l #	17
41) Methacrylonitrile	7.54	41	2801	2.243	ug/l #	58
76) 1,2,3-Trichloropropane	12.61	75	73462	66.463	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.61	75	73462	145.723	ug/l #	6
95) Naphthalene	15.37	128	235	4.371	ug/l #	69

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

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Quant Title : SW846 8260
QLast Update : Mon Aug 26 07:18:31 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW012308.D

Acq: 29 Aug 2019 17:21

Instrument :

MSVOA_W

ClientSampleId :

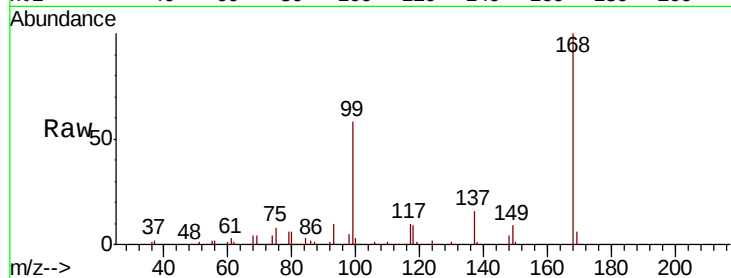
RBR-200059-200035

Tgt Ion:168 Resp: 225281

Ion Ratio Lower Upper

168 100

99 57.6 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

60000

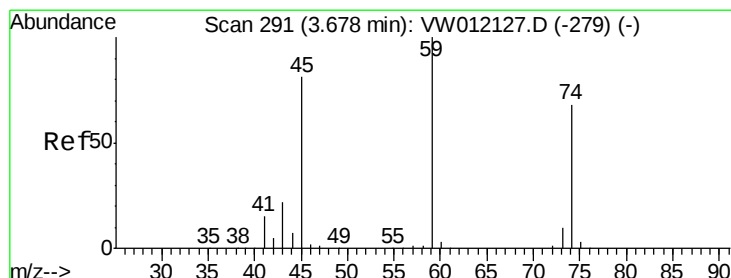
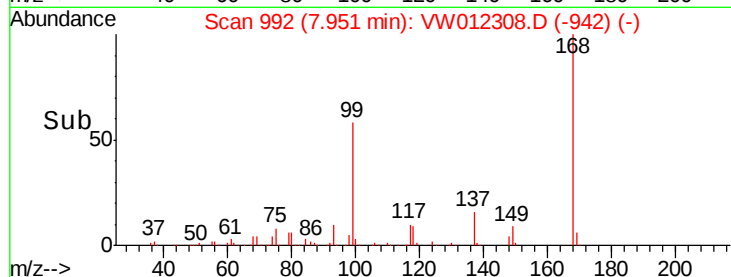
40000

20000

0

Time-->

7.80 7.90 8.00 8.10



#8

Diethyl Ether

Concen: 1.714 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VW012308.D

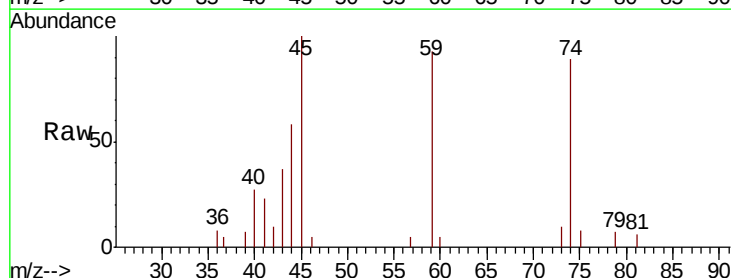
Acq: 29 Aug 2019 17:21

Tgt Ion: 74 Resp: 2149

Ion Ratio Lower Upper

74 100

45 126.7 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

1200

1000

800

600

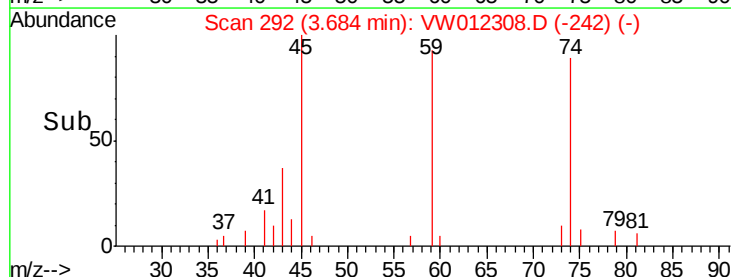
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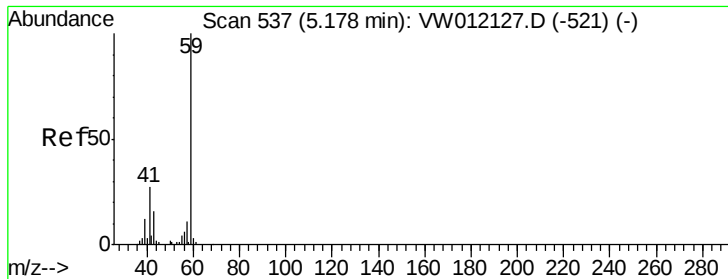
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Time-->

3.60 3.65 3.70 3.75

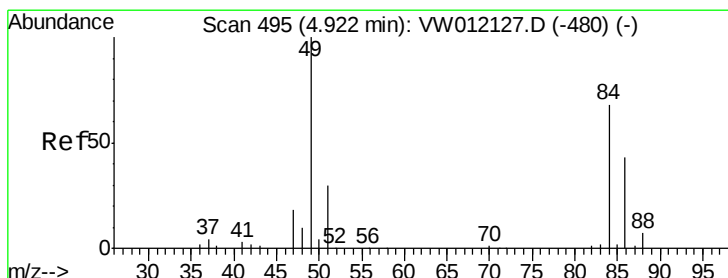
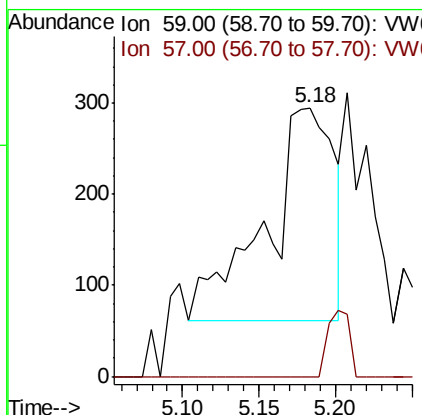
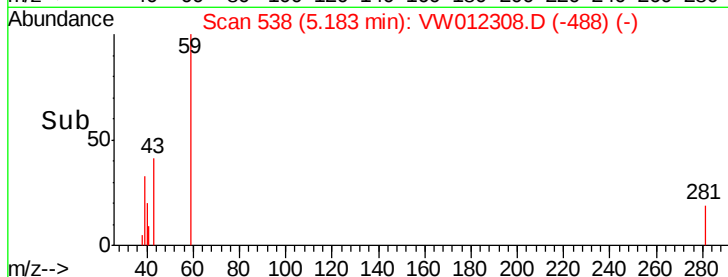
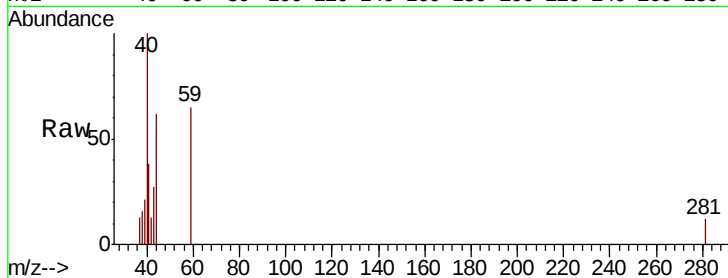




#11
Tert butyl alcohol
Concen: 4.480 ug/l
RT: 5.18 min Scan# 538
Delta R.T. 0.01 min
Lab File: VW012308.D
Acq: 29 Aug 2019 17:21

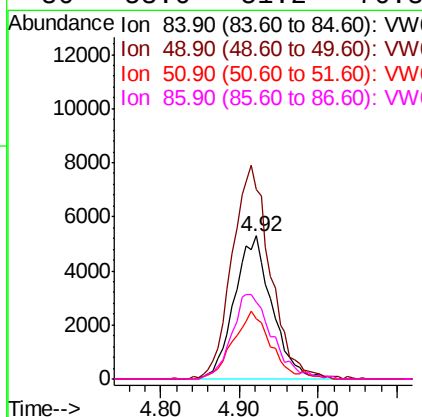
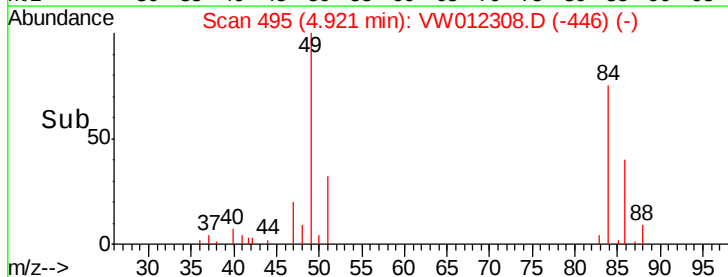
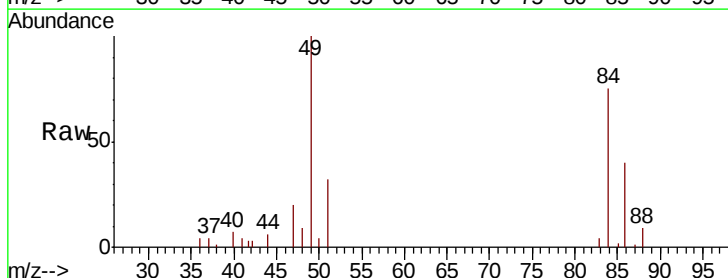
Instrument :
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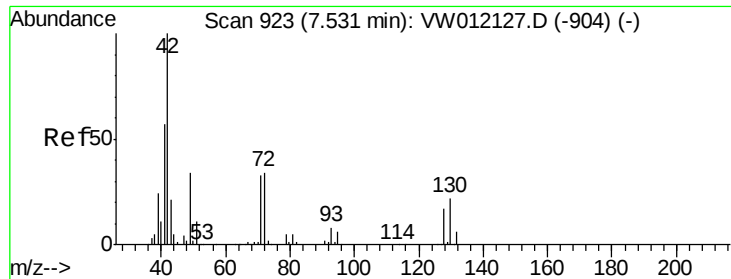
Tgt Ion: 59 Resp: 722
Ion Ratio Lower Upper
59 100
57 10.1 9.0 13.4



#20
Methylene Chloride
Concen: 6.798 ug/l
RT: 4.92 min Scan# 495
Delta R.T. -0.00 min
Lab File: VW012308.D
Acq: 29 Aug 2019 17:21

Tgt Ion: 84 Resp: 17593
Ion Ratio Lower Upper
84 100
49 132.5 117.8 176.8
51 42.3 35.6 53.4
86 53.6 51.2 76.8

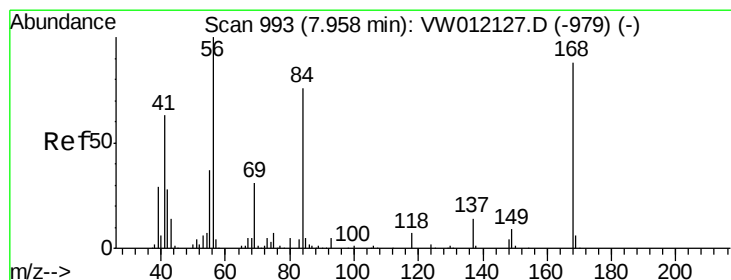
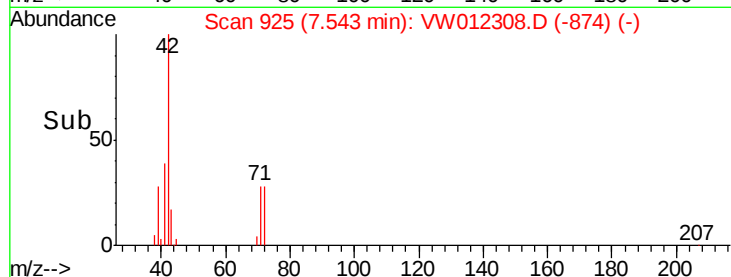
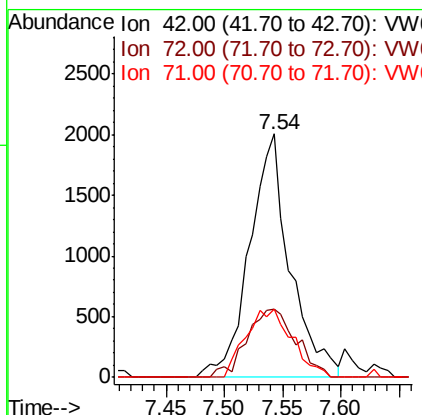
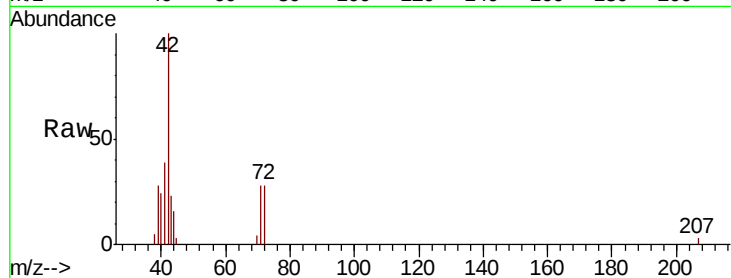




#29
Tetrahydrofuran
Concen: 8.676 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.01 min
Lab File: VW012308.D
Acq: 29 Aug 2019 17:21

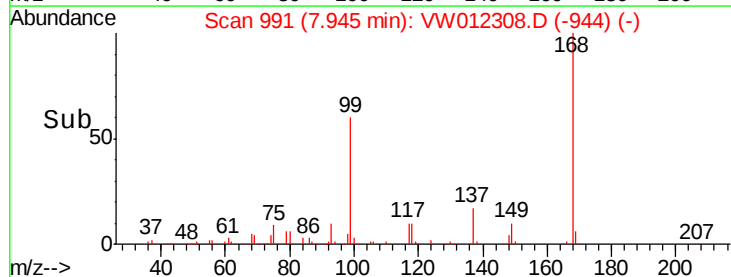
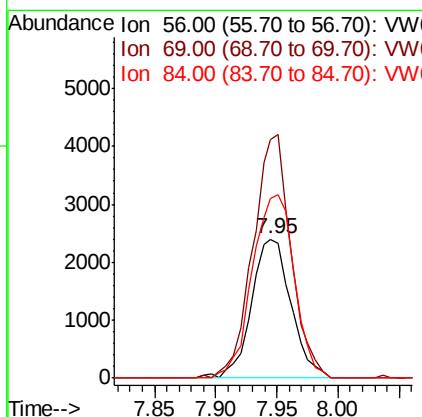
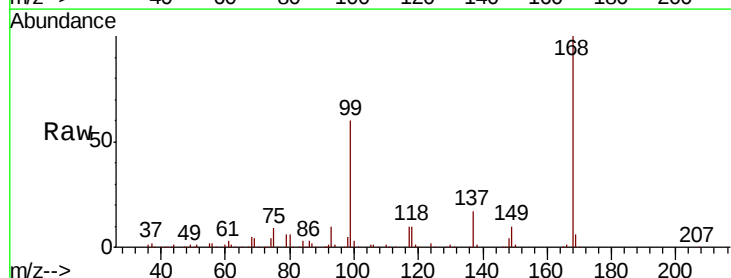
Instrument :
MSVOA_W
ClientSampleId :
RBR-200059-200035

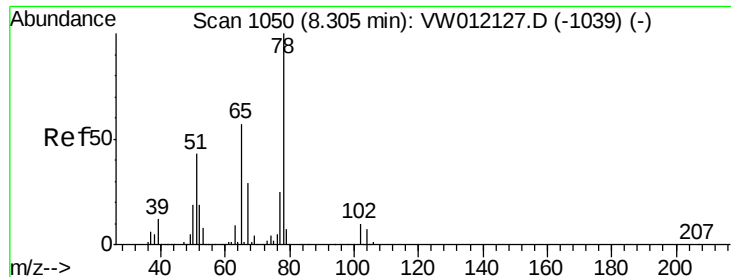
Tgt Ion: 42 Resp: 4842
Ion Ratio Lower Upper
42 100
72 34.1 27.3 40.9
71 32.1 25.5 38.3



#31
Cyclohexane
Concen: 1.119 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW012308.D
Acq: 29 Aug 2019 17:21

Tgt Ion: 56 Resp: 5400
Ion Ratio Lower Upper
56 100
69 171.9 24.9 37.3#
84 129.4 60.6 90.8#

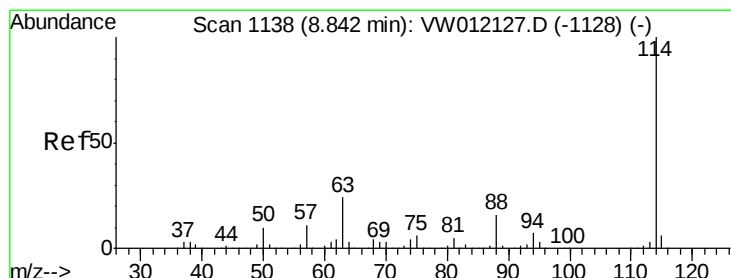
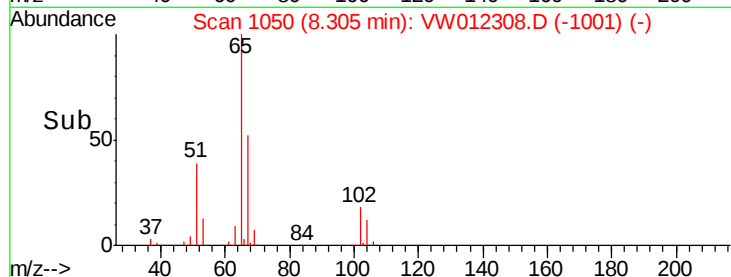
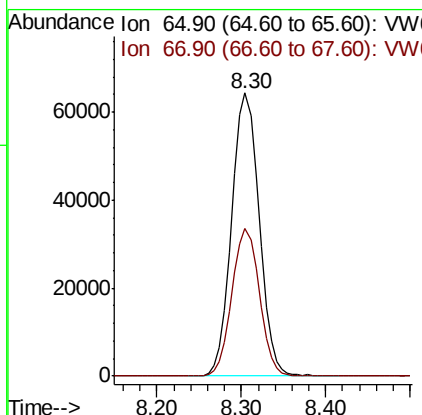
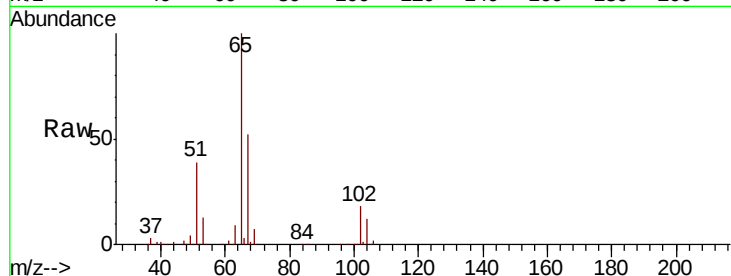




#33
 1,2-Dichloroethane-d4
 Concen: 53.001 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012308.D
 Acq: 29 Aug 2019 17:21

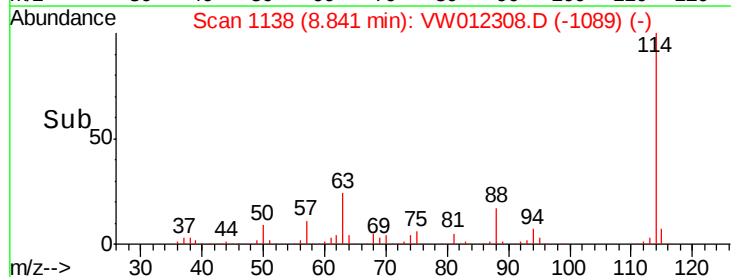
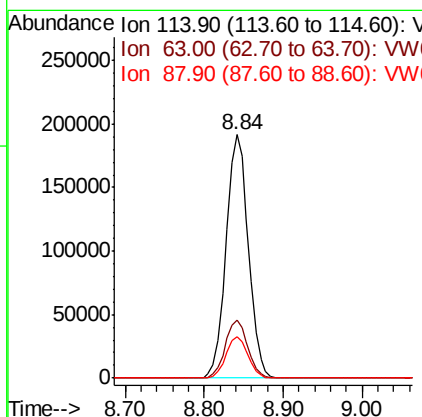
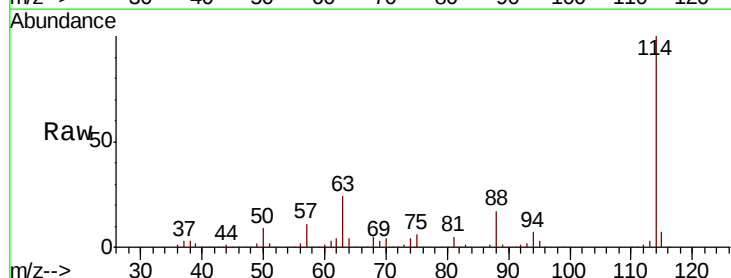
Instrument :
 MSVOA_W
 ClientSampleId :
 RBR-200059-200035

Tgt Ion: 65 Resp: 141939
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012308.D
 Acq: 29 Aug 2019 17:21

Tgt Ion: 114 Resp: 375128
 Ion Ratio Lower Upper
 114 100
 63 23.7 0.0 48.6
 88 17.0 0.0 32.2

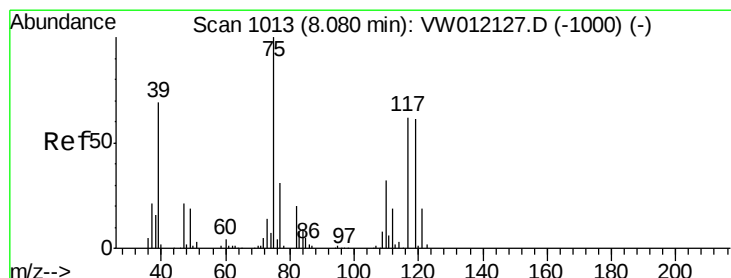
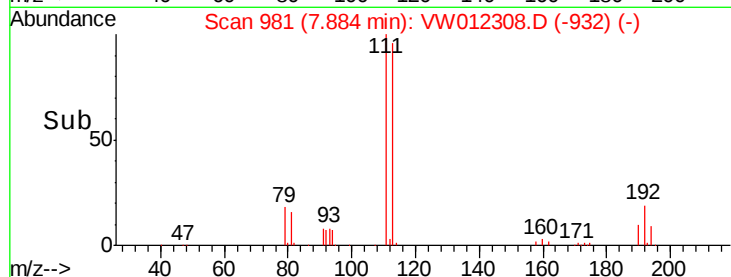
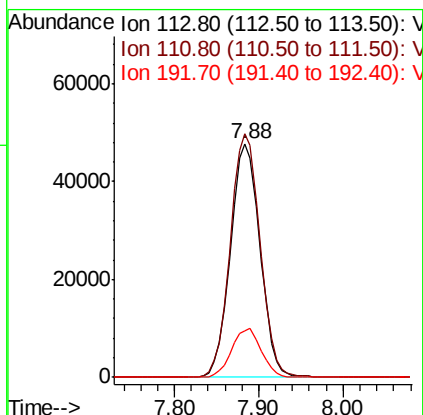
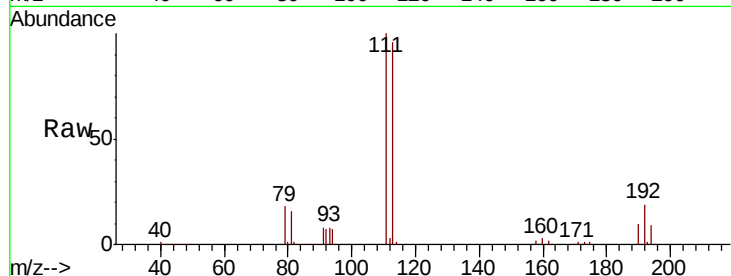




#35
 Dibromofluoromethane
 Concen: 50.652 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012308.D
 Acq: 29 Aug 2019 17:21

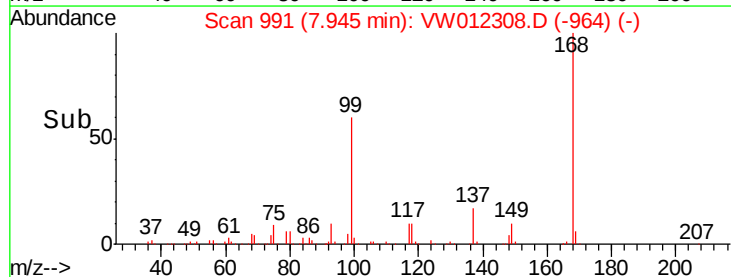
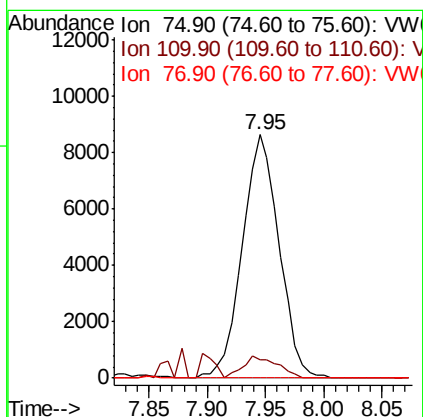
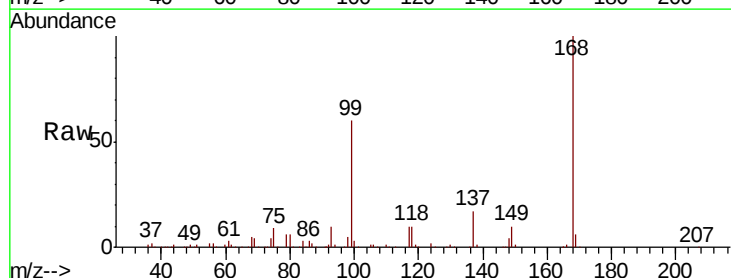
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 RBR-200059-200035

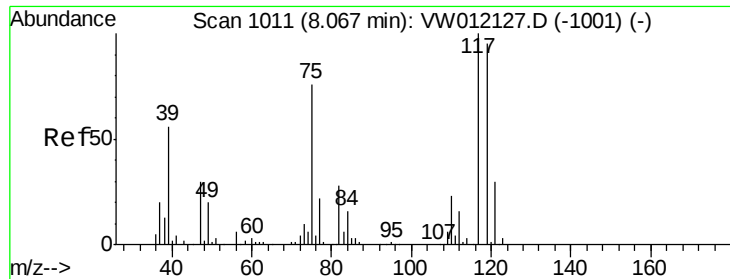
Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.9	82.7	124.1
192	20.9	16.2	24.2



#36
 1,1-Dichloropropene
 Concen: 4.909 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012308.D
 Acq: 29 Aug 2019 17:21

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.5	15.6	46.8#
77	0.0	24.6	36.8#

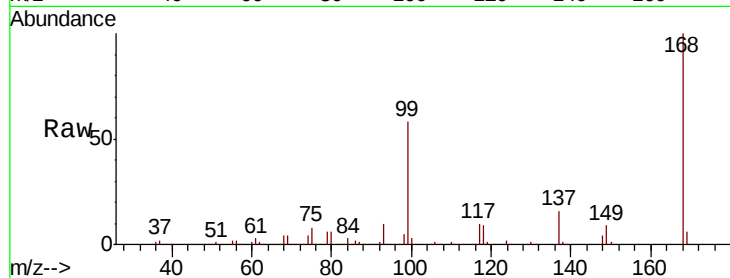




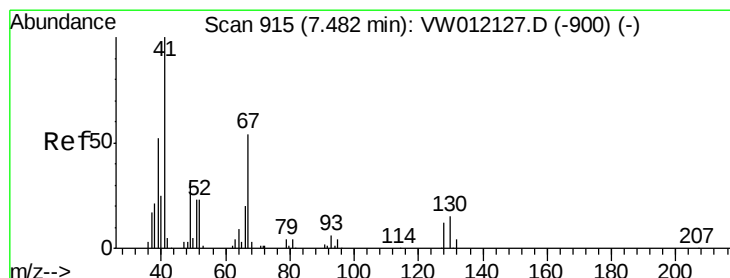
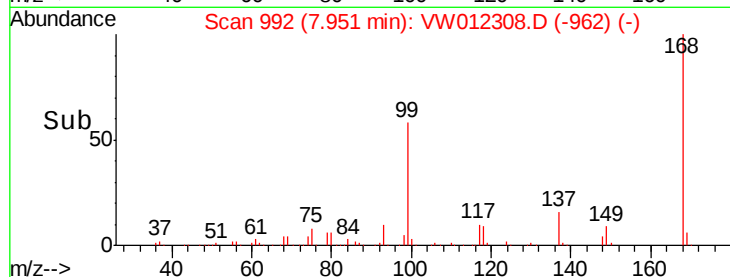
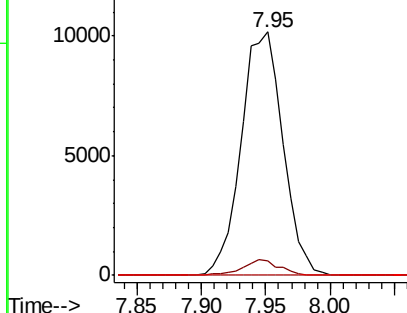
#38
Carbon Tetrachloride
Concen: 6.784 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW012308.D
Acq: 29 Aug 2019 17:21

Instrument :
MSVOA_W
ClientSampleId :
RBR-200059-200035

Tgt Ion: 117 Resp: 22763
Ion Ratio Lower Upper
117 100
119 5.8 76.2 114.2#
121 0.0 23.8 35.8#

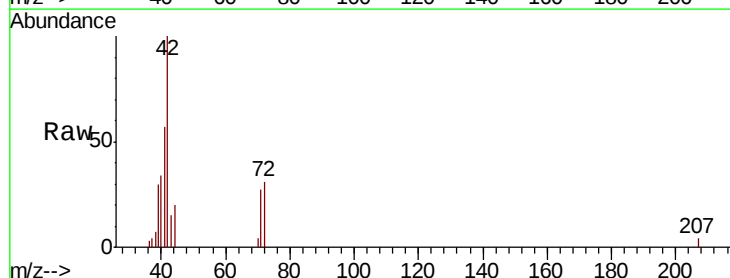


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

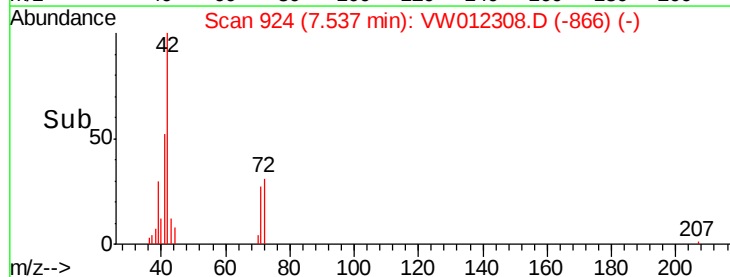
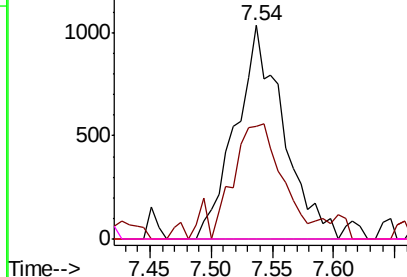


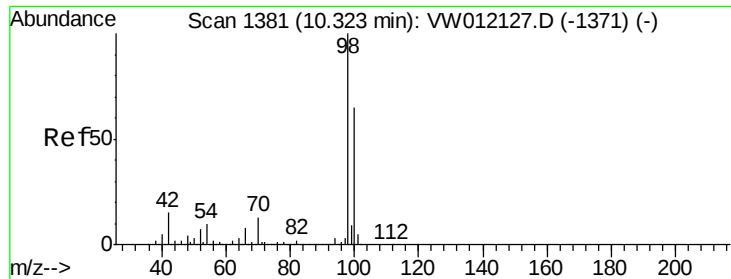
#41
Methacrylonitrile
Concen: 2.243 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.05 min
Lab File: VW012308.D
Acq: 29 Aug 2019 17:21

Tgt Ion: 41 Resp: 2801
Ion Ratio Lower Upper
41 100
39 55.7 45.8 68.8
67 0.0 46.2 69.4#
52 0.0 21.0 31.6#



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: 49.560 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012308.D

Acq: 29 Aug 2019 17:21

Instrument :

MSVOA_W

ClientSampleId :

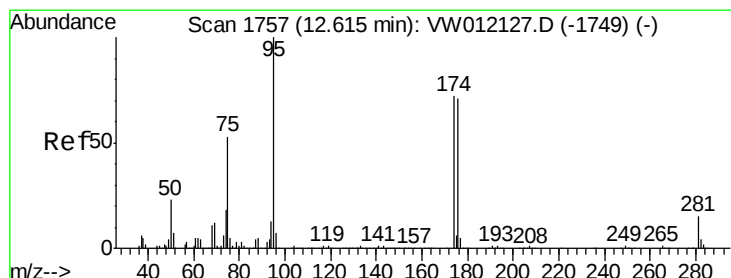
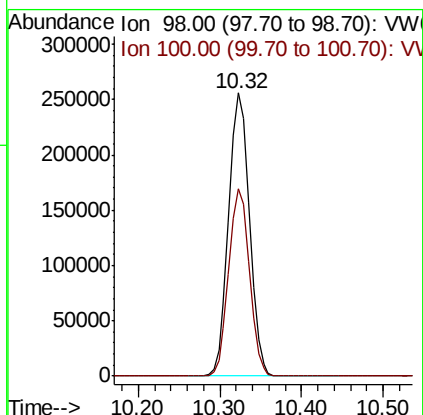
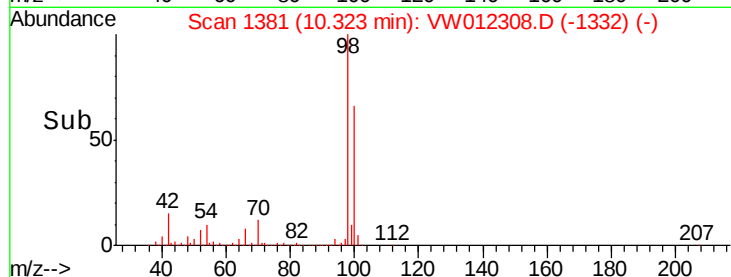
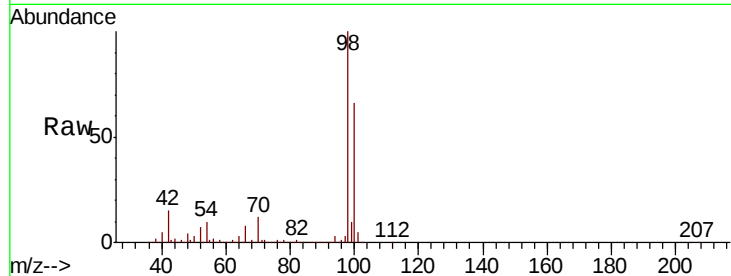
RBR-200059-200035

Tgt Ion: 98 Resp: 449962

Ion Ratio Lower Upper

98 100

100 65.8 52.4 78.6



#62

4-Bromofluorobenzene

Concen: 43.640 ug/l

RT: 12.61 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012308.D

Acq: 29 Aug 2019 17:21

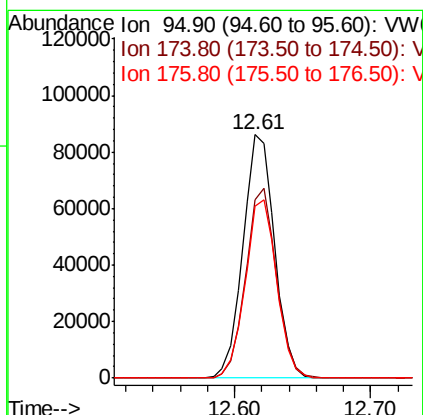
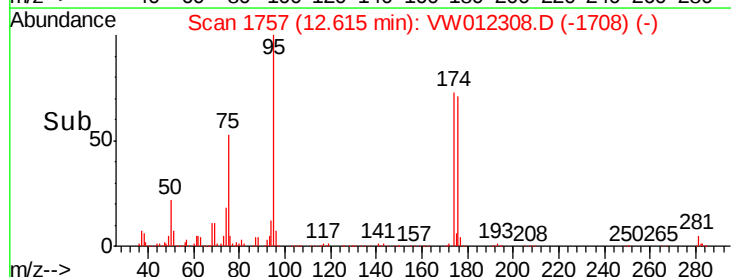
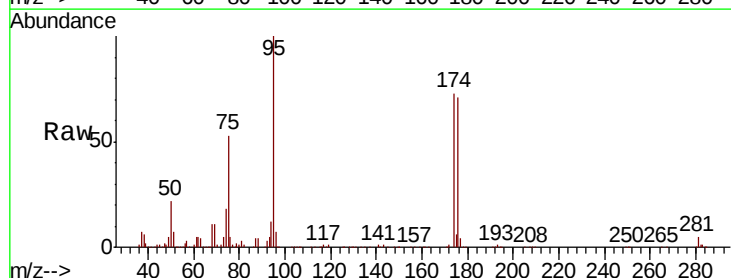
Tgt Ion: 95 Resp: 139664

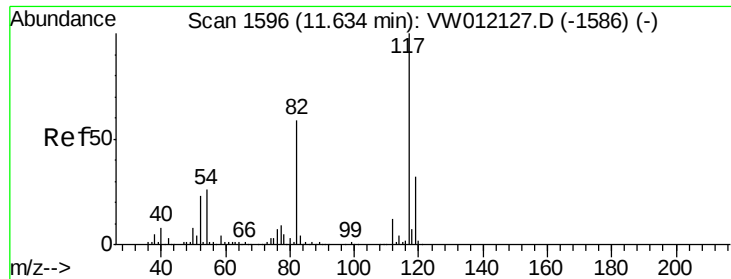
Ion Ratio Lower Upper

95 100

174 76.3 0.0 150.8

176 73.1 0.0 148.6

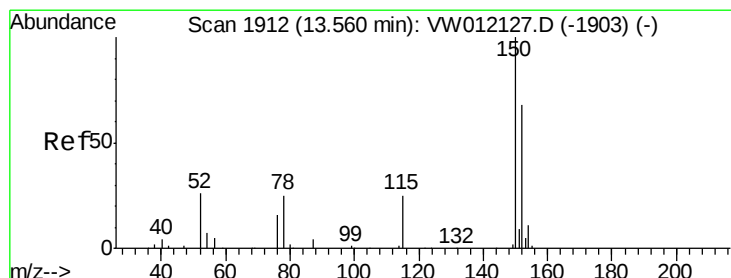
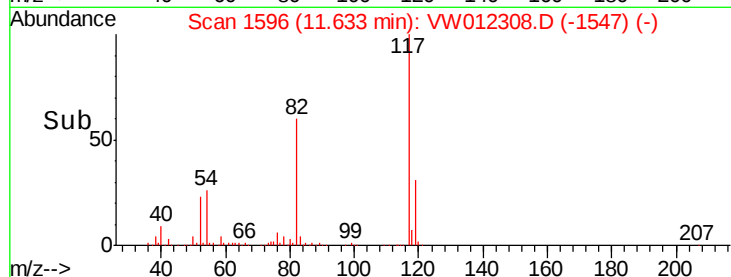
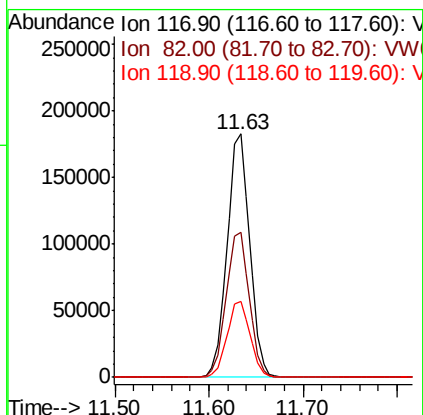
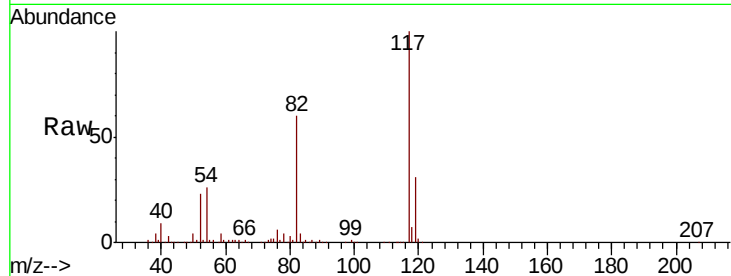




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012308.D
Acq: 29 Aug 2019 17:21

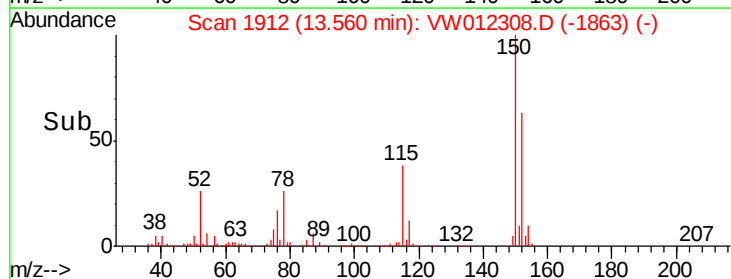
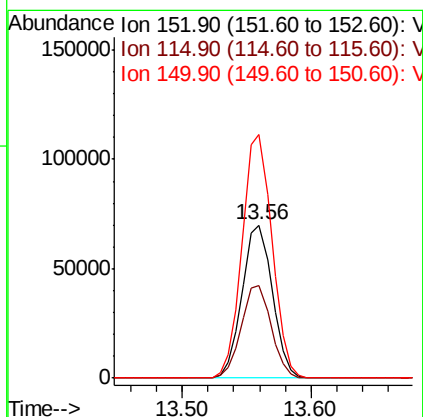
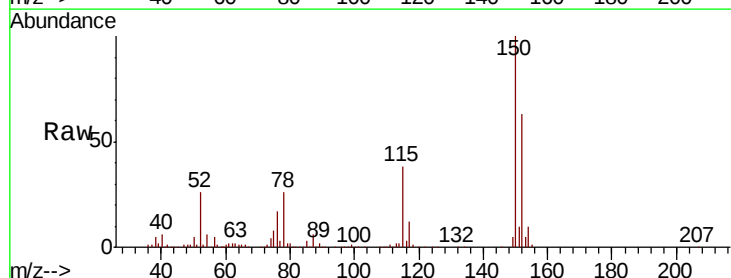
Instrument :
MSVOA_W
ClientSampleId :
RBR-200059-200035

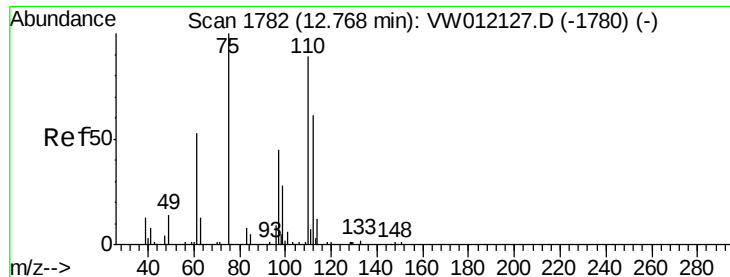
Tgt Ion	Ratio	Lower	Upper
117	100		
82	59.6	47.4	71.2
119	31.5	25.4	38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012308.D
Acq: 29 Aug 2019 17:21

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.1	30.1	90.3
150	157.6	0.0	345.8

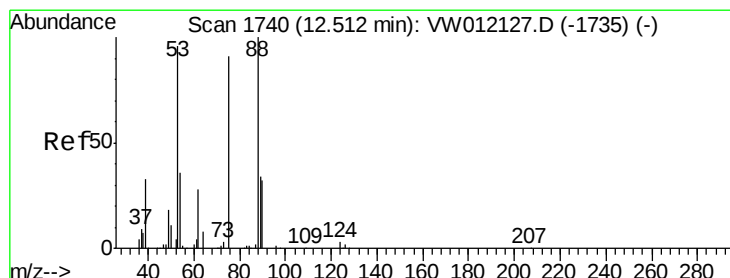
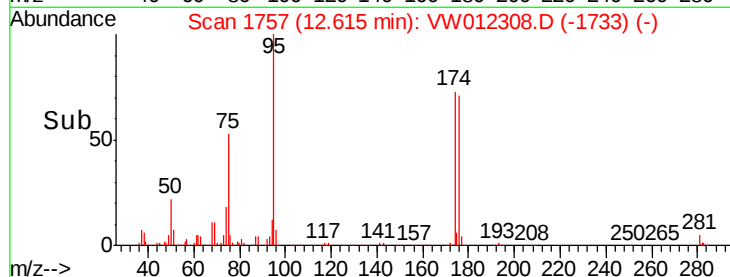
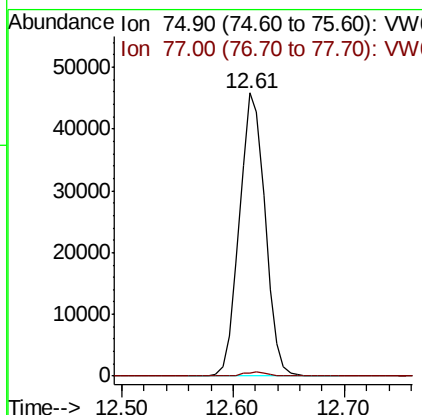
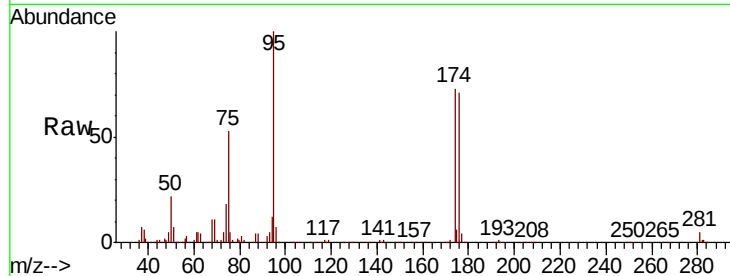




#76
 1,2,3-Trichloropropane
 Concen: 66.463 ug/l
 RT: 12.61 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW012308.D
 Acq: 29 Aug 2019 17:21

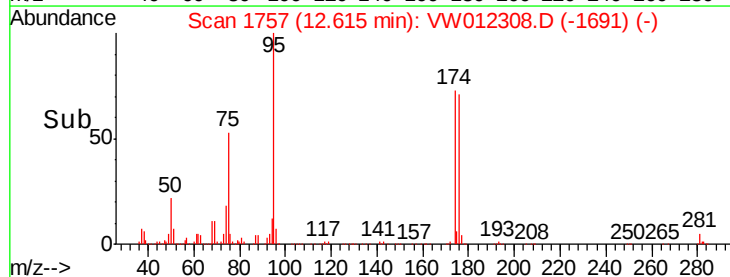
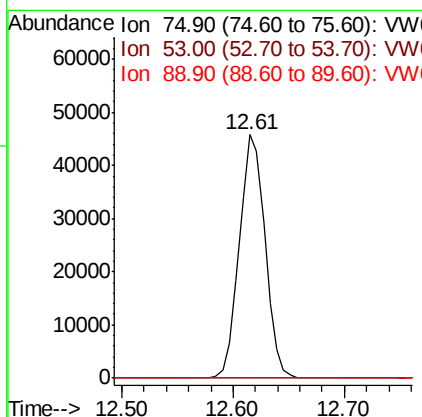
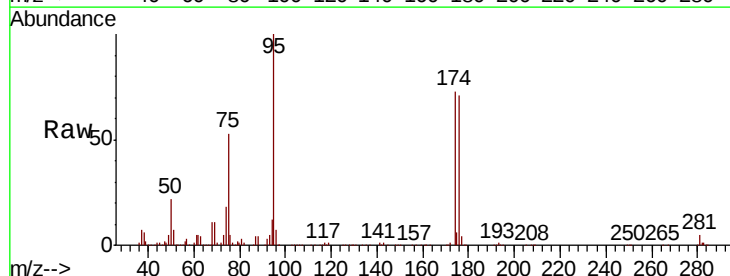
Instrument :
 MSVOA_W
 ClientSampleId :
 RBR-200059-200035

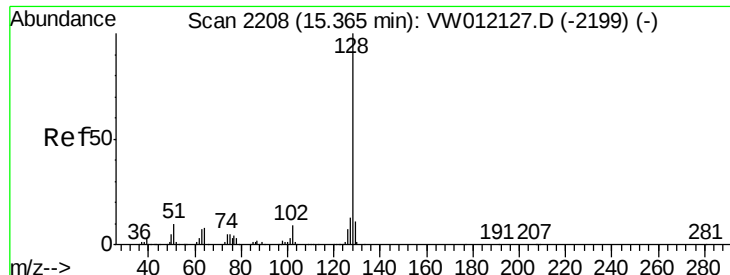
Tgt Ion: 75 Resp: 73462
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 145.723 ug/l
 RT: 12.61 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW012308.D
 Acq: 29 Aug 2019 17:21

Tgt Ion: 75 Resp: 73462
 Ion Ratio Lower Upper
 75 100
 53 0.2 89.4 134.0#
 89 0.0 34.5 51.7#





#95
Naphthalene
Concen: 4.371 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VW012308.D
Acq: 29 Aug 2019 17:21

Instrument :
MSVOA_W
ClientSampleId :
RBR-200059-200035

Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.7	16.1#
129	0.0	8.7	13.1#

