

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW110618\
 Data File : VW006700.D
 Acq On : 06 Nov 2018 21:17
 Operator : SY/AP
 Sample : J5815-01
 Misc : 5.53G/5ML/MSVOA W/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 HL-R37719-RT

Quant Time: Nov 07 11:29:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W110218S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 01 03:48:08 2018
 Response via : Initial Calibration

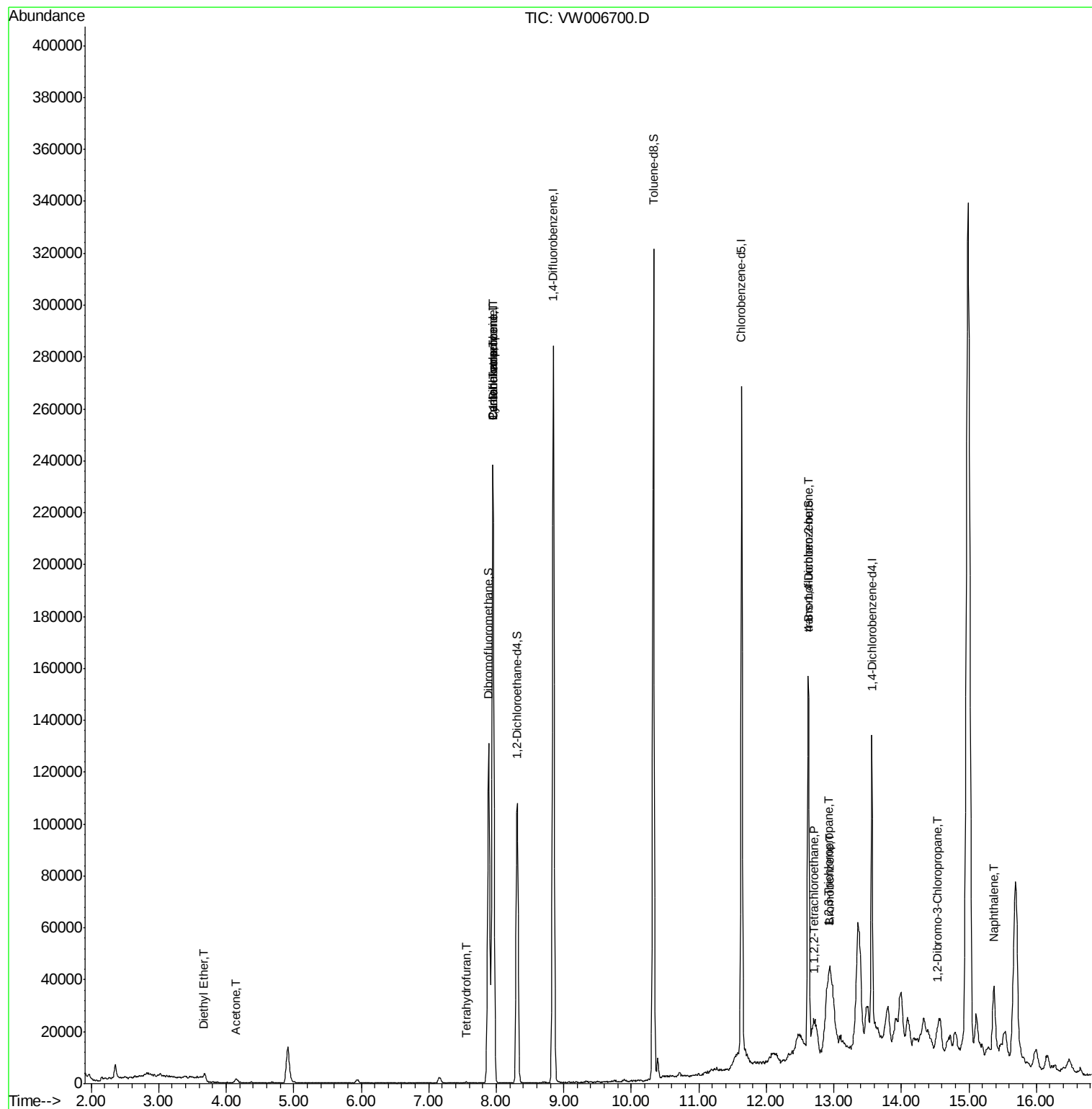
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	197851	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	258962	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	151716	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	33366	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	85671	50.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.74%	
35) Dibromofluoromethane	7.89	113	92352	56.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.66%	
50) Toluene-d8	10.33	98	225516	36.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	72.90%	
62) 4-Bromofluorobenzene	12.62	95	45284	20.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.38%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.67	74	1768	2.067	ug/l	81
16) Acetone	4.14	43	2873	10.463	ug/l #	87
29) Tetrahydrofuran	7.56	42	249	1.010	ug/l #	29
31) Cyclohexane	7.95	56	3372	1.245	ug/l #	9
36) 1,1-Dichloropropene	7.95	75	12152	5.336	ug/l #	48
38) Carbon Tetrachloride	7.95	117	17004	7.146	ug/l #	17
75) 1,1,2,2-Tetrachloroethane	12.70	83	743	2.140	ug/l #	39
76) 1,2,3-Trichloropropane	12.92	75	740	2.843	ug/l #	100
77) Bromobenzene	12.93	156	51597	90.666	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	21861	208.557	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	14.53	75	146	2.592	ug/l #	1
95) Naphthalene	15.37	128	1281	1.063	ug/l #	84

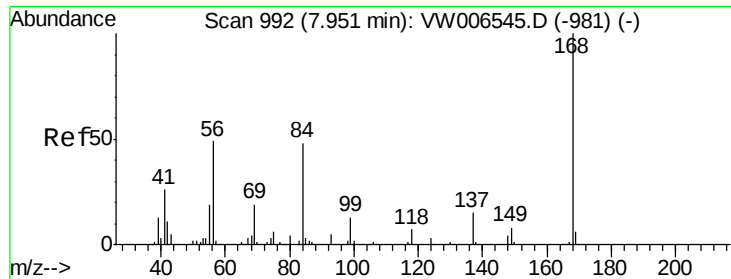
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW110618\
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QLast Update : Thu Nov 01 03:48:08 2018
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW006700.D

Acq: 06 Nov 2018 21:17

Instrument :

MSVOA_W

ClientSampleId :

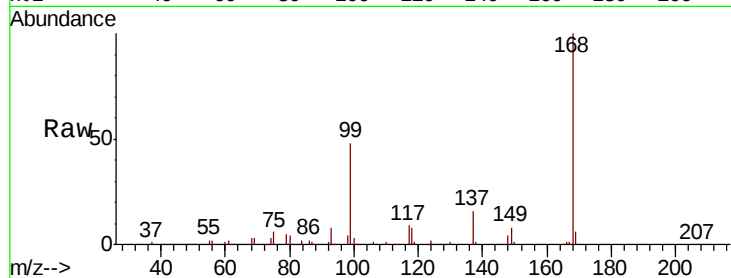
HL-R37719-RT

Tot Ion:168 Resp: 197851

Ion Ratio Lower Upper

168 100

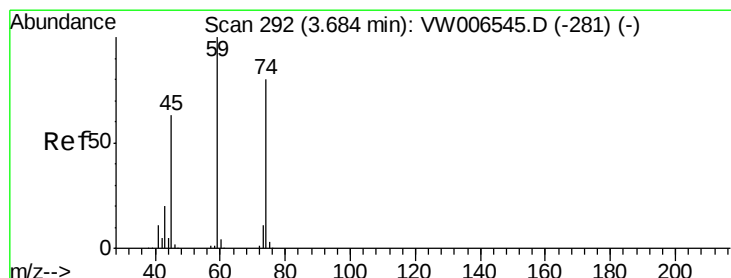
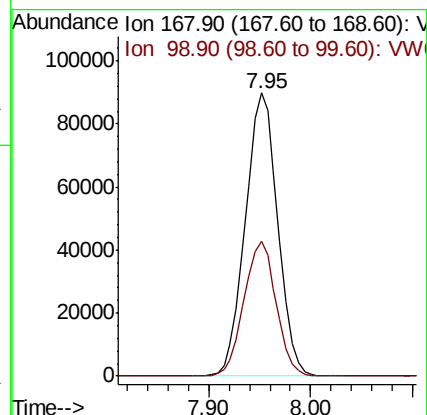
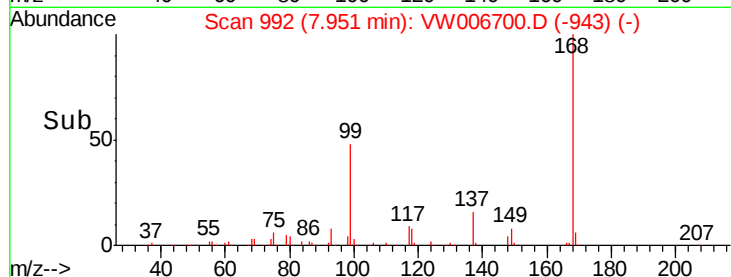
99 47.6 37.4 56.0



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95



#8

Diethyl Ether

Concen: 2.067 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW006700.D

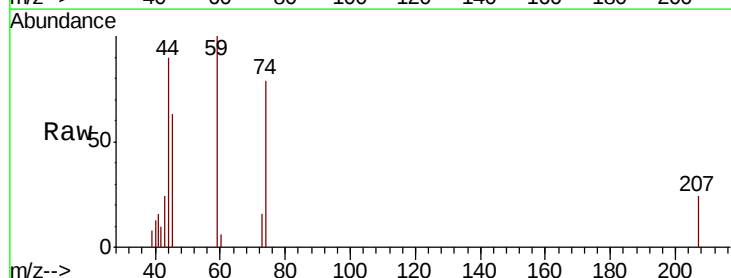
Acq: 06 Nov 2018 21:17

Tgt Ion: 74 Resp: 1768

Ion Ratio Lower Upper

74 100

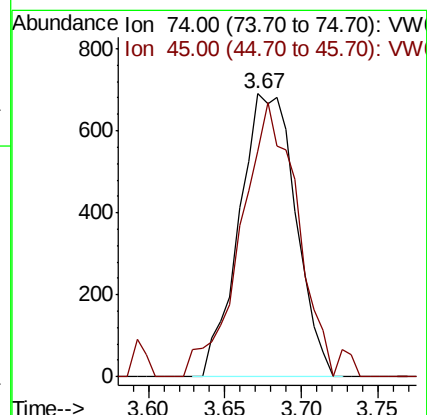
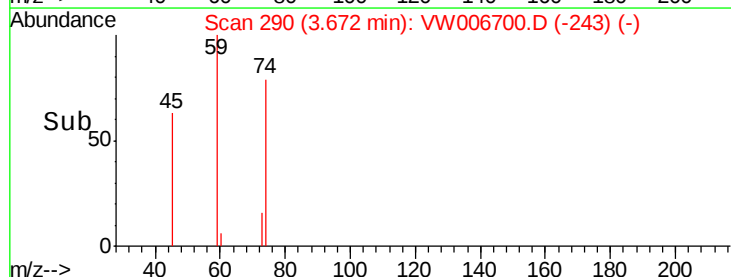
45 99.4 41.1 123.4

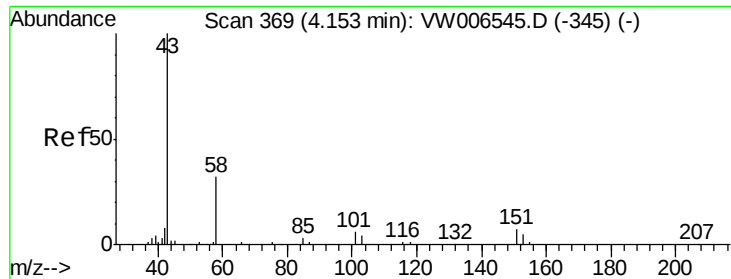


Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.67





#16

Acetone

Concen: 10.463 ug/l

RT: 4.14 min Scan# 367

Delta R.T. -0.01 min

Lab File: VW006700.D

Acq: 06 Nov 2018 21:17

Instrument :

MSVOA_W

ClientSampleId :

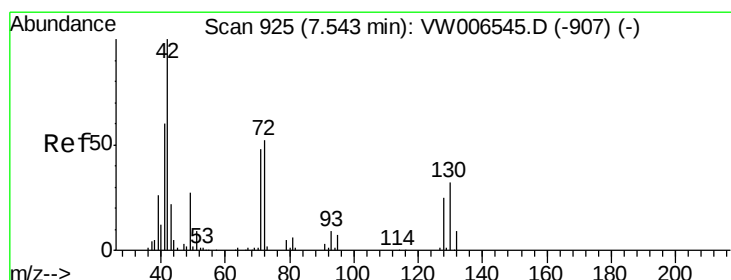
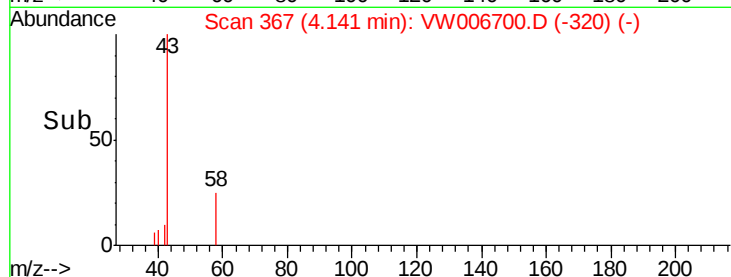
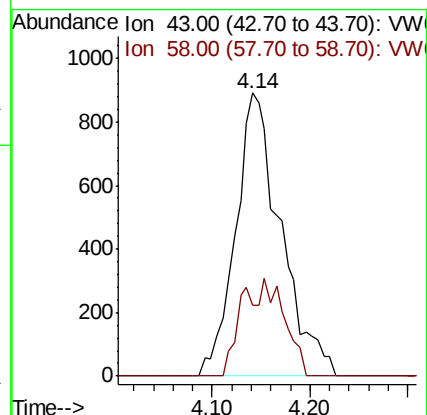
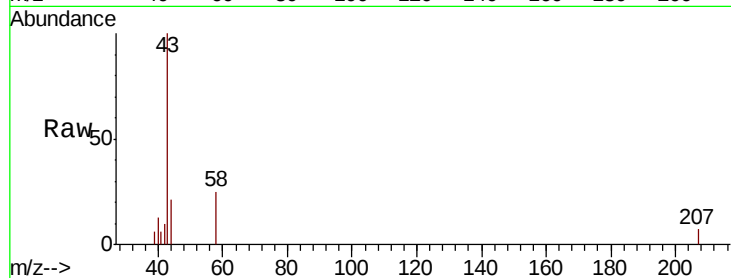
HL-R37719-RT

Tot Ion: 43 Resp: 2873

Ion Ratio Lower Upper

43 100

58 25.2 25.8 38.8#



#29

Tetrahydrofuran

Concen: 1.010 ug/l

RT: 7.56 min Scan# 928

Delta R.T. 0.02 min

Lab File: VW006700.D

Acq: 06 Nov 2018 21:17

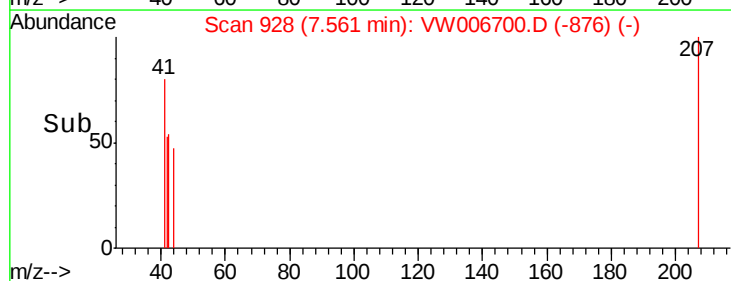
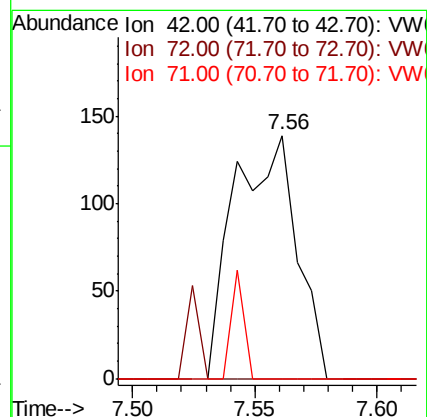
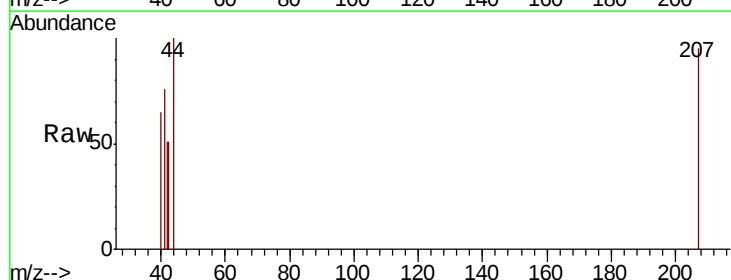
Tgt Ion: 42 Resp: 249

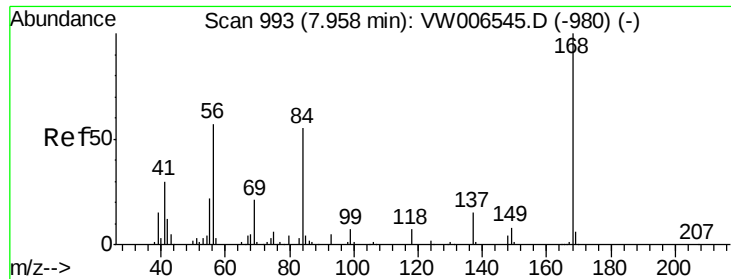
Ion Ratio Lower Upper

42 100

72 0.0 39.2 58.8#

71 0.0 37.6 56.4#

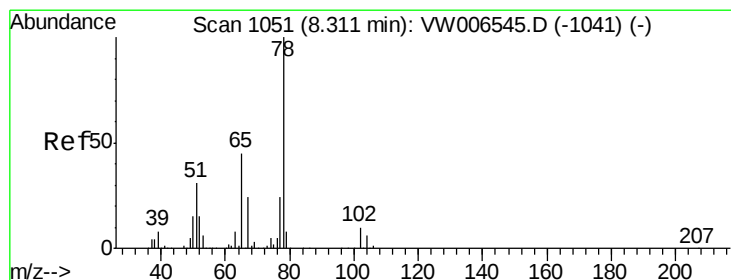
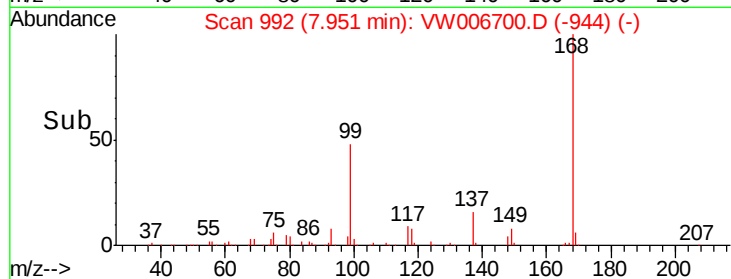
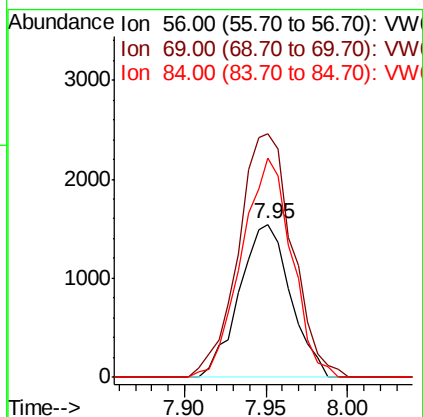
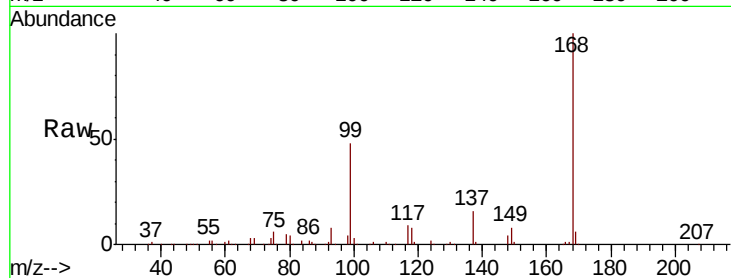




#31
Cyclohexane
Concen: 1.245 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW006700.D
Acq: 06 Nov 2018 21:17

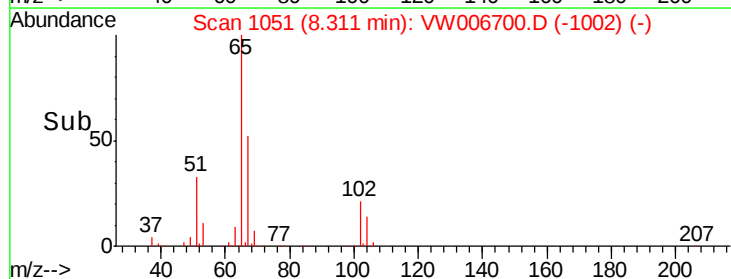
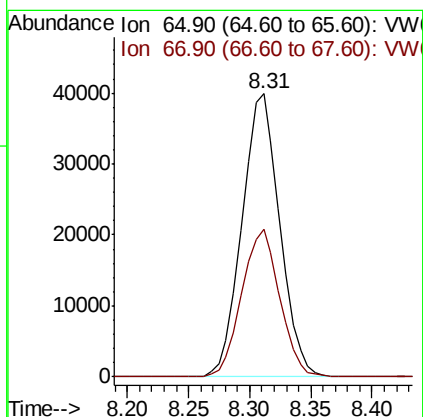
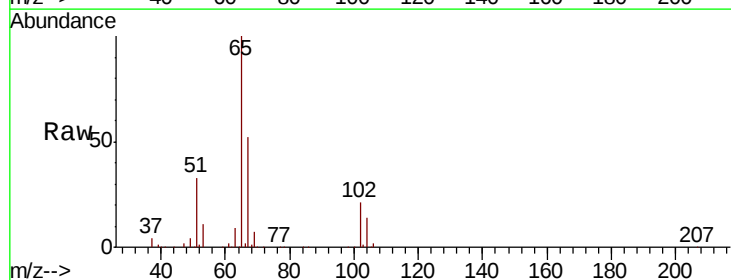
Instrument :
MSVOA_W
ClientSampleId :
HL-R37719-RT

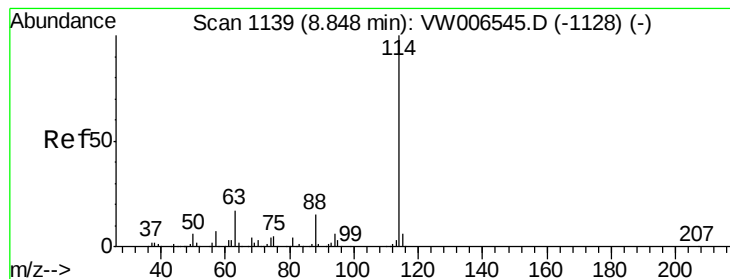
Tot Ion: 56 Resp: 3372
Ion Ratio Lower Upper
56 100
69 159.0 29.0 43.4#
84 143.6 77.8 116.6#



#33
1,2-Dichloroethane-d4
Concen: 50.373 ug/l
RT: 8.31 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VW006700.D
Acq: 06 Nov 2018 21:17

Tgt Ion: 65 Resp: 85671
Ion Ratio Lower Upper
65 100
67 52.5 0.0 104.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. -0.00 min

Lab File: VW006700.D

Acq: 06 Nov 2018 21:17

Instrument :

MSVOA_W

ClientSampleId :

HL-R37719-RT

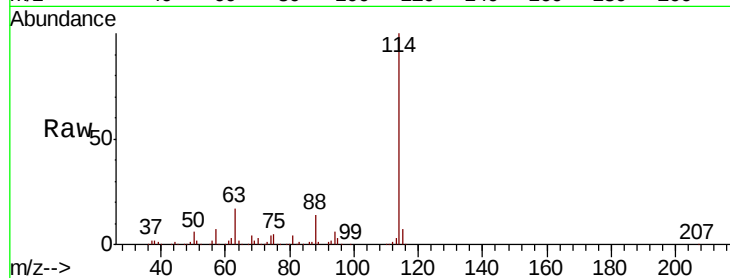
Tot Ion:114 Resp: 258962

Ion Ratio Lower Upper

114 100

63 16.9 0.0 34.4

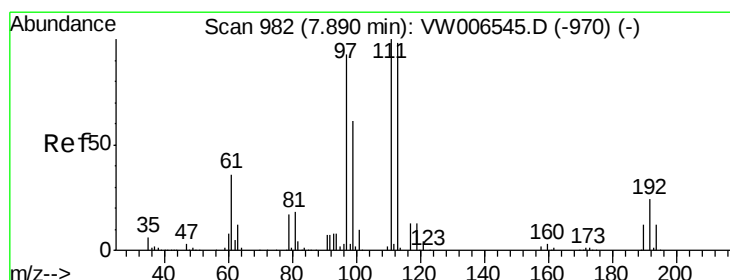
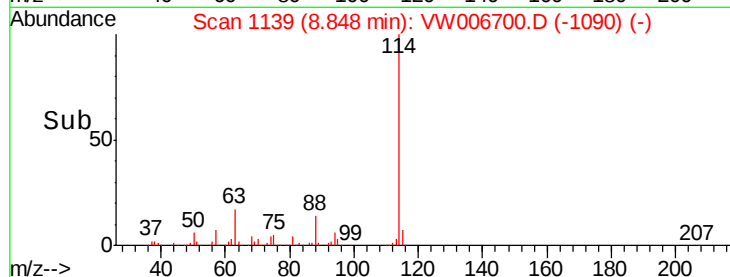
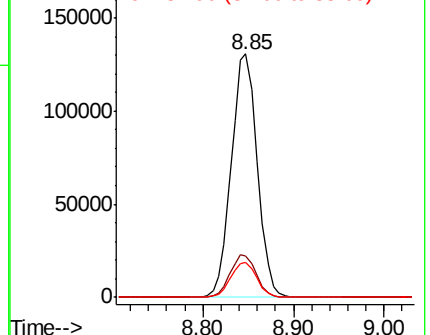
88 14.4 0.0 29.0



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: 56.825 ug/l

RT: 7.89 min Scan# 982

Delta R.T. -0.00 min

Lab File: VW006700.D

Acq: 06 Nov 2018 21:17

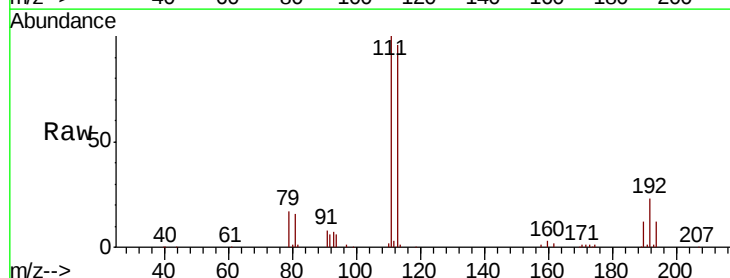
Tgt Ion:113 Resp: 92352

Ion Ratio Lower Upper

113 100

111 102.8 82.2 123.2

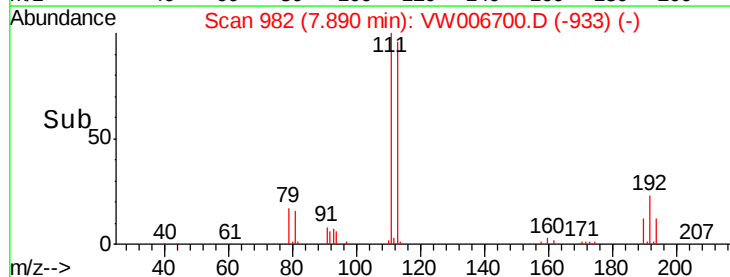
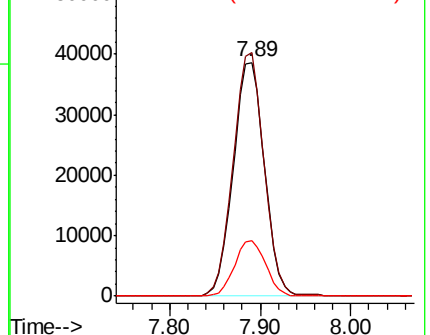
192 23.7 19.0 28.6

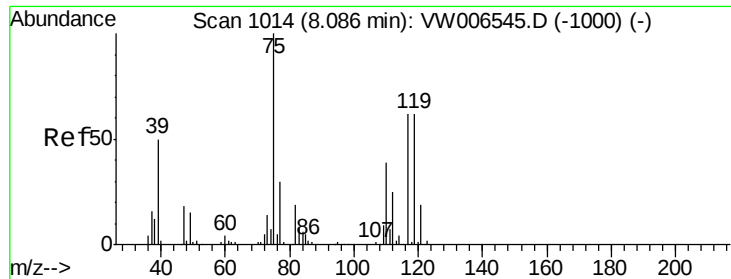


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

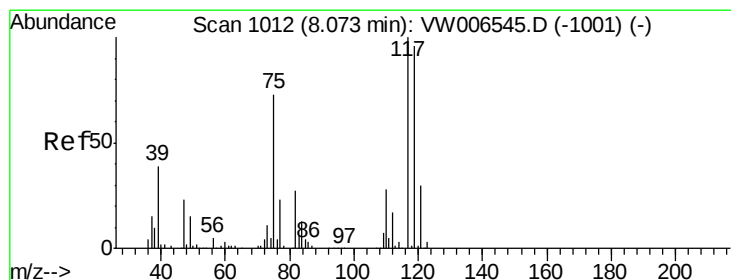
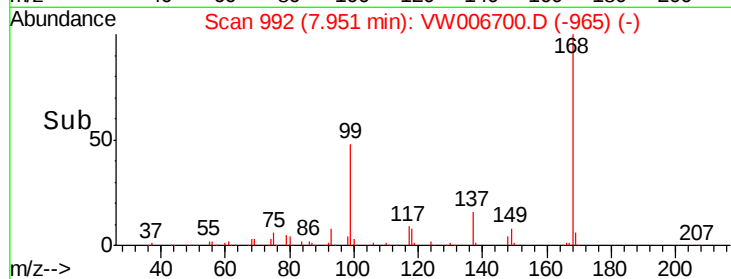
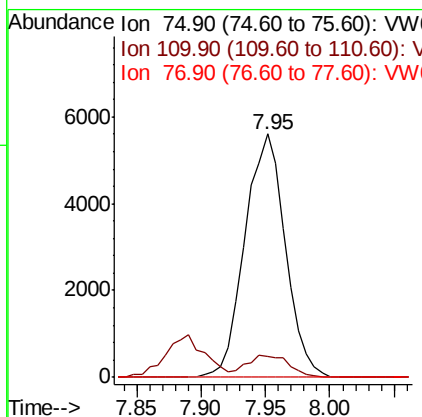
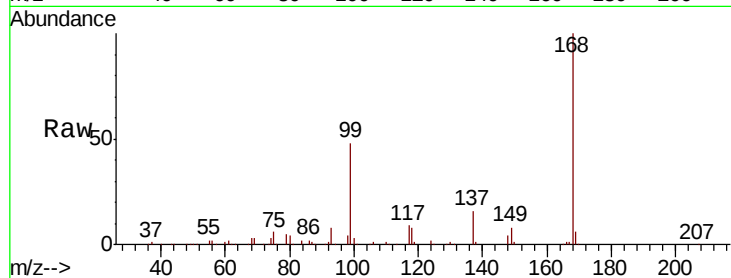




#36
 1,1-Dichloropropene
 Concen: 5.336 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW006700.D
 Acq: 06 Nov 2018 21:17

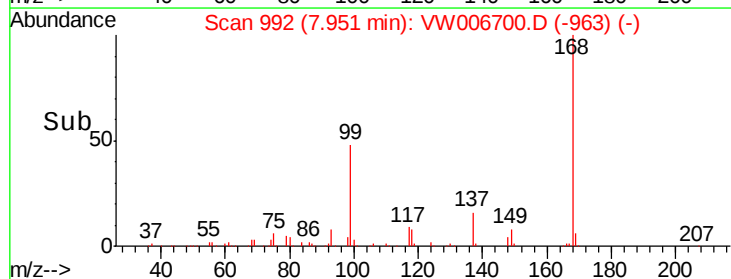
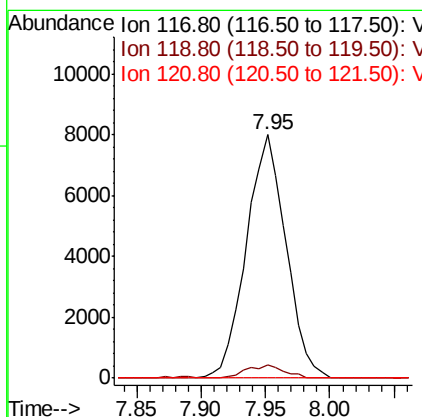
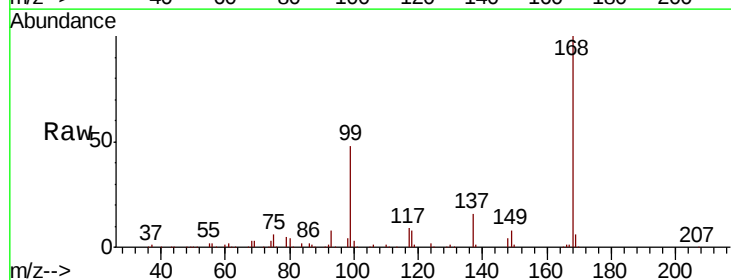
Instrument :
 MSVOA_W
 ClientSampleId :
 HL-R37719-RT

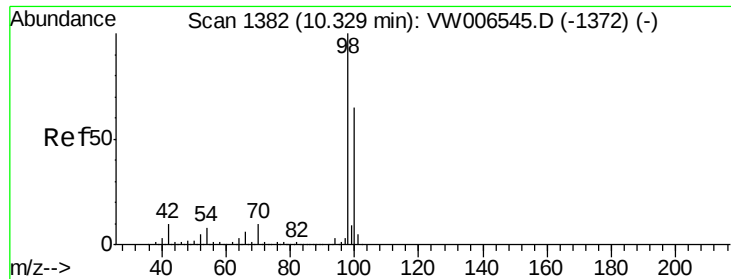
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.7	19.5	58.5#
77	0.0	24.6	37.0#



#38
 Carbon Tetrachloride
 Concen: 7.146 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW006700.D
 Acq: 06 Nov 2018 21:17

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.6	76.3	114.5#
121	0.0	24.1	36.1#





#50

Toluene-d8

Concen: 36.451 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW006700.D

Acq: 06 Nov 2018 21:17

Instrument :

MSVOA_W

ClientSampleId :

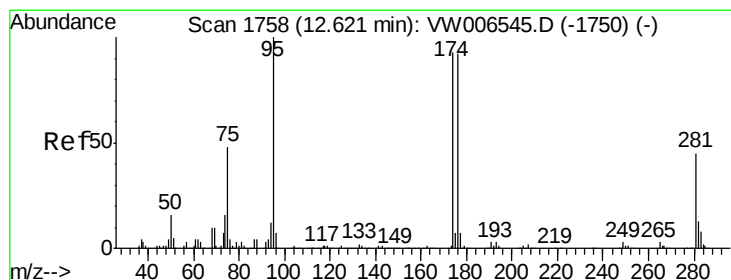
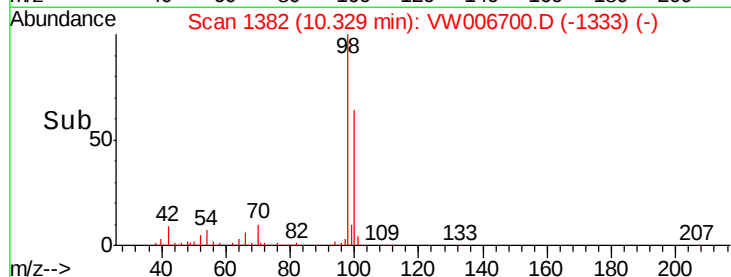
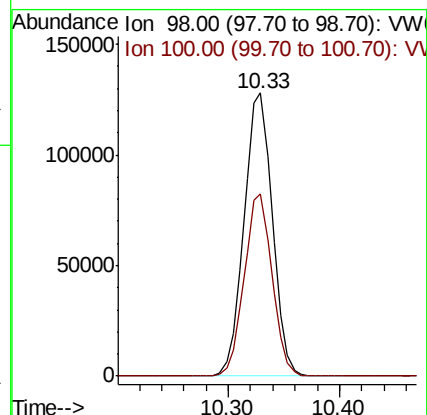
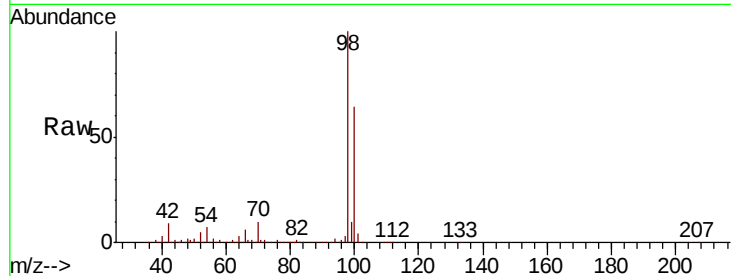
HL-R37719-RT

Tot Ion: 98 Resp: 225516

Ion Ratio Lower Upper

98 100

100 63.5 51.6 77.4



#62

4-Bromofluorobenzene

Concen: 20.189 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW006700.D

Acq: 06 Nov 2018 21:17

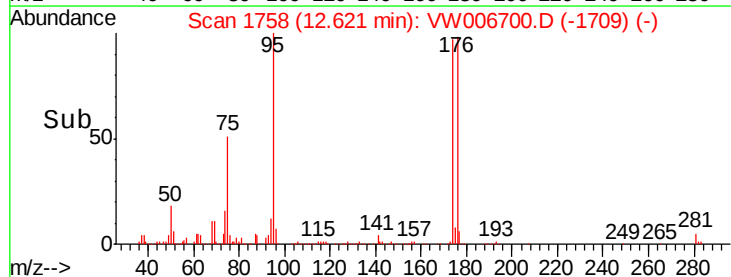
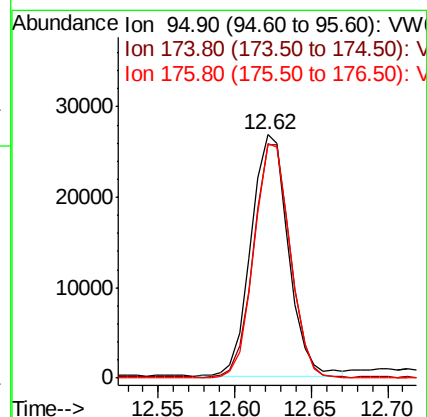
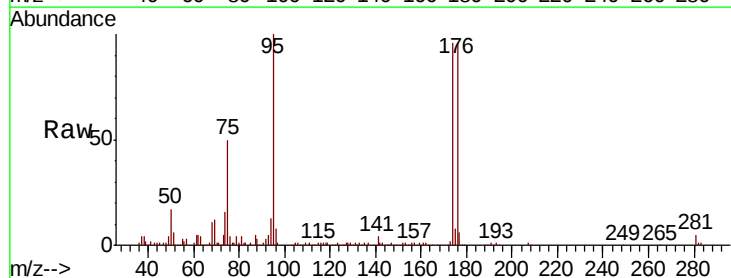
Tgt Ion: 95 Resp: 45284

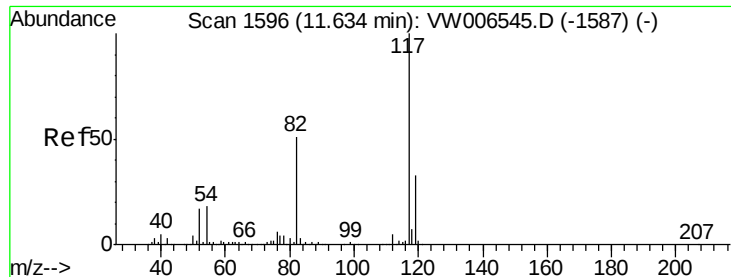
Ion Ratio Lower Upper

95 100

174 94.8 0.0 192.4

176 93.8 0.0 187.4

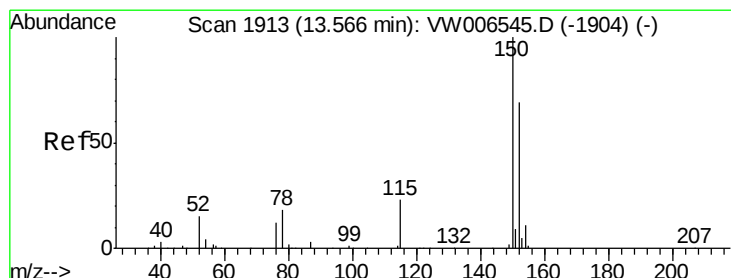
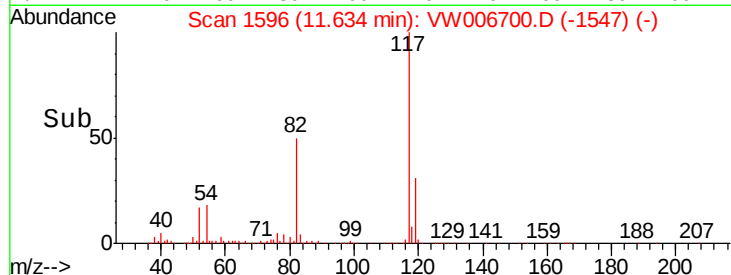
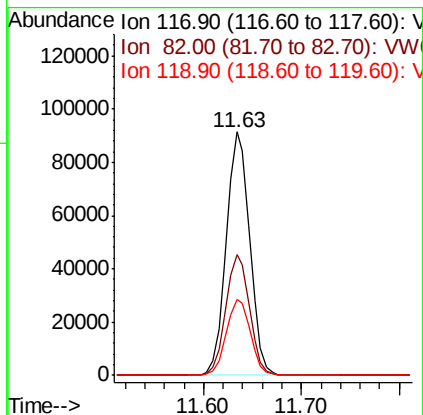
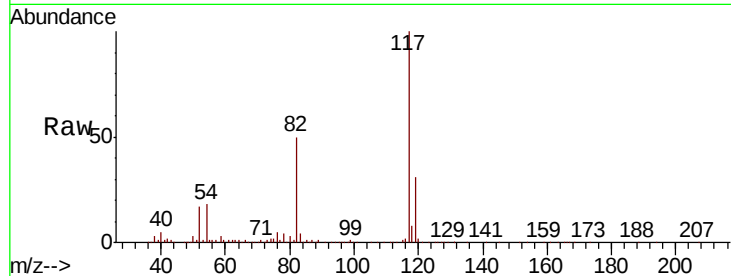




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW006700.D
Acq: 06 Nov 2018 21:17

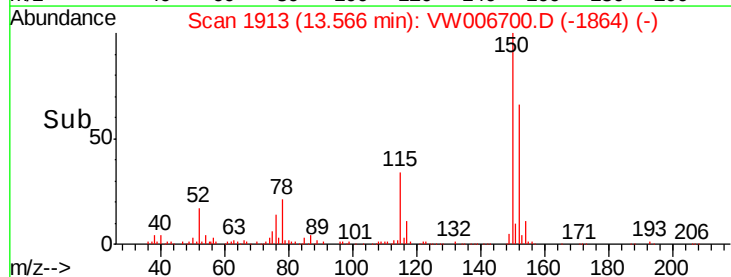
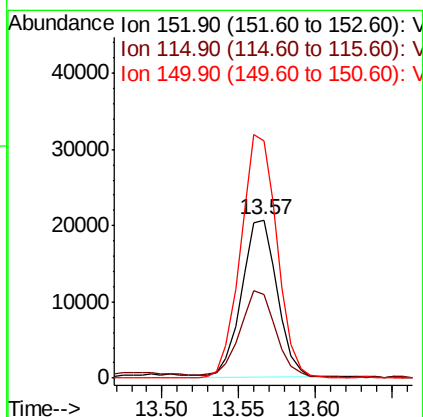
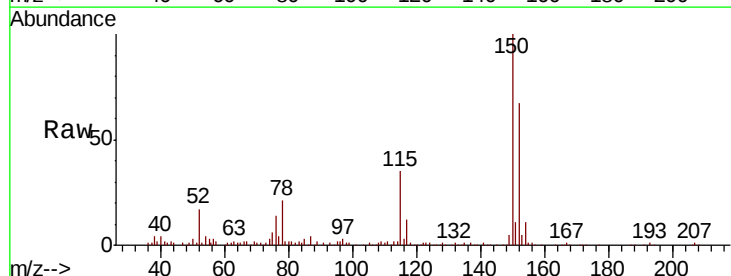
Instrument :
MSVOA_W
ClientSampleId :
HL-R37719-RT

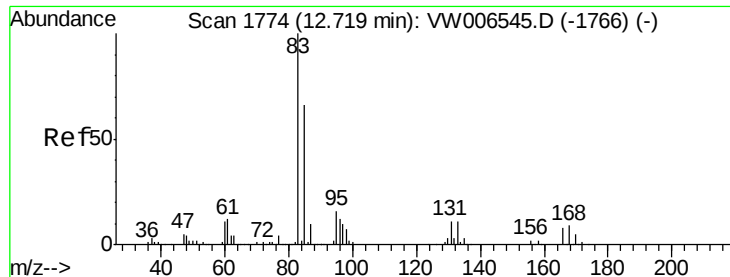
Tot Ion	Ratio	Lower	Upper
117	100		
82	49.6	40.8	61.2
119	31.3	26.1	39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. -0.00 min
Lab File: VW006700.D
Acq: 06 Nov 2018 21:17

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.9	26.6	79.8
150	156.4	0.0	344.6





#75

1,1,2,2-Tetrachloroethane

Concen: 2.140 ug/l

RT: 12.70 min Scan# 1771

Delta R.T. -0.02 min

Lab File: VW006700.D

Acq: 06 Nov 2018 21:17

Instrument :

MSVOA_W

ClientSampled :

HL-R37719-RT

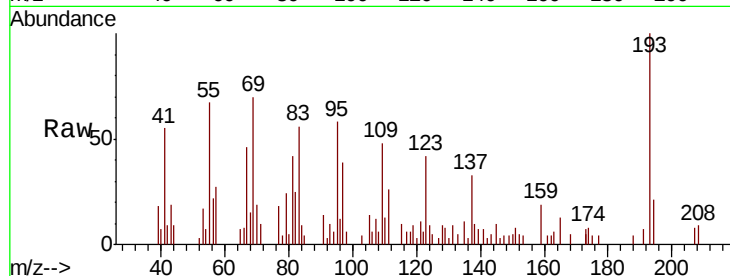
Tot Ion: 83 Resp: 743

Ion Ratio Lower Upper

83 100

131 0.0 5.9 17.7#

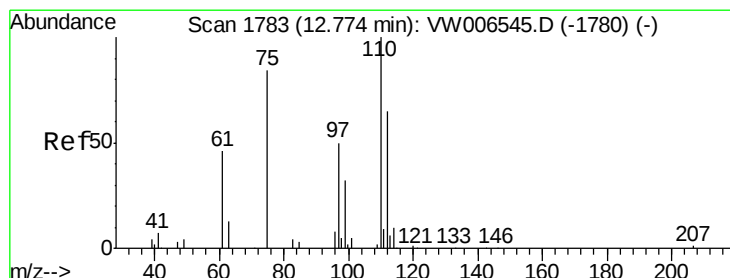
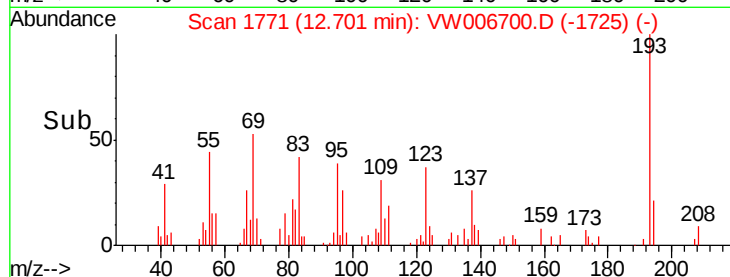
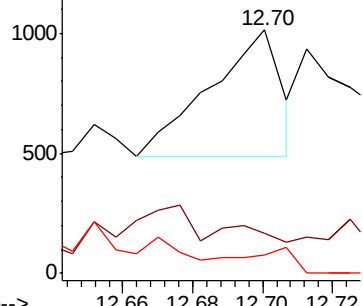
85 12.5 32.3 96.8#



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 2.843 ug/l

RT: 12.92 min Scan# 1807

Delta R.T. 0.15 min

Lab File: VW006700.D

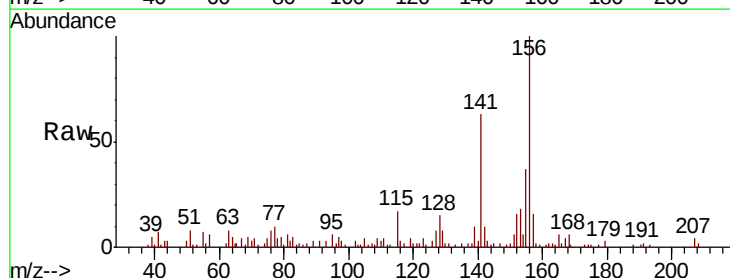
Acq: 06 Nov 2018 21:17

Tgt Ion: 75 Resp: 740

Ion Ratio Lower Upper

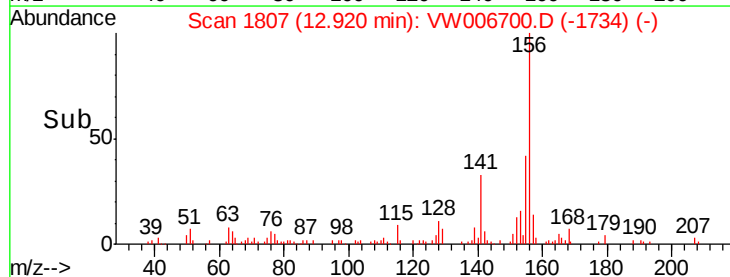
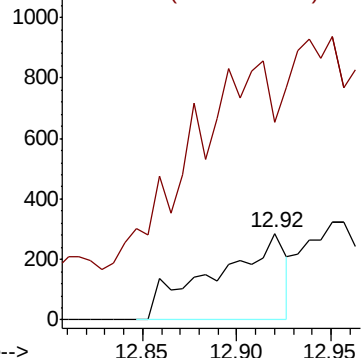
75 100

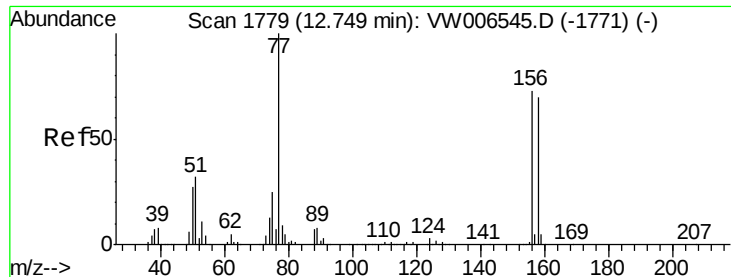
77 278.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 90.666 ug/l

RT: 12.93 min Scan# 1808

Delta R.T. 0.18 min

Lab File: VW006700.D

Acq: 06 Nov 2018 21:17

Instrument :

MSVOA_W

ClientSampleId :

HL-R37719-RT

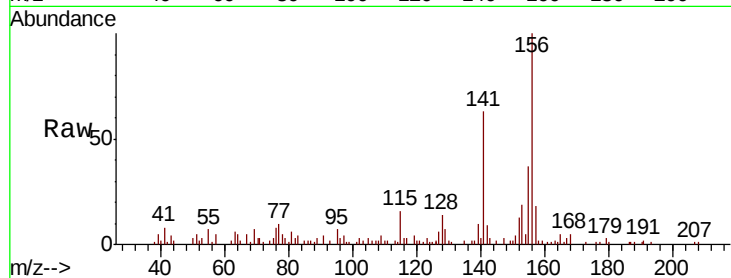
Tot Ion:156 Resp: 51597

Ion Ratio Lower Upper

156 100

77 4.0 75.9 227.8#

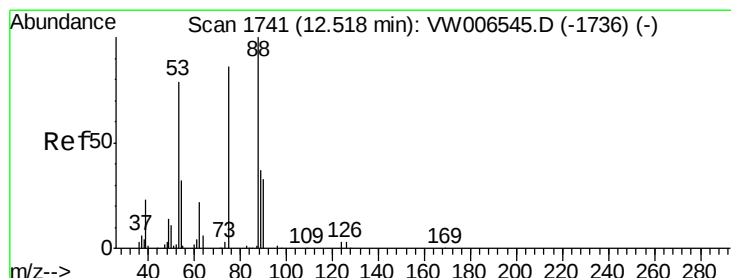
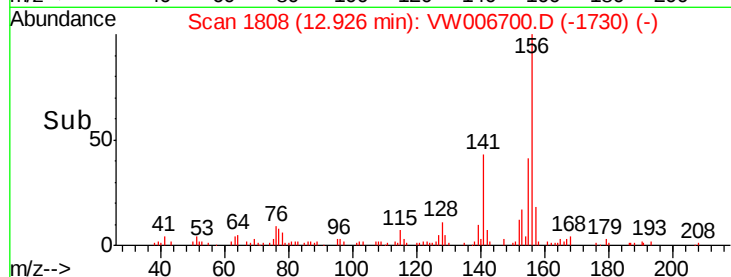
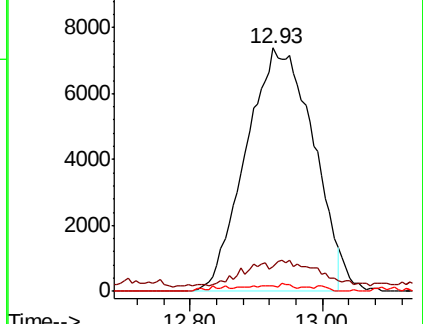
158 0.0 48.6 145.9#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#81

trans-1,4-Dichloro-2-butene

Concen: 208.557 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW006700.D

Acq: 06 Nov 2018 21:17

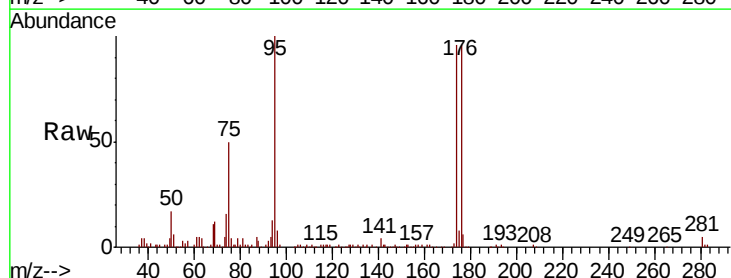
Tgt Ion: 75 Resp: 21861

Ion Ratio Lower Upper

75 100

53 0.0 77.2 115.8#

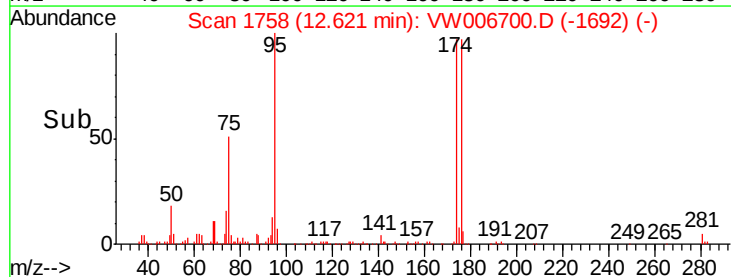
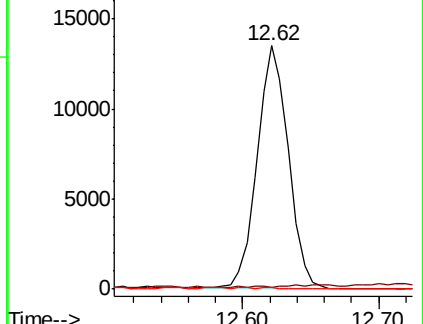
89 0.4 38.6 58.0#

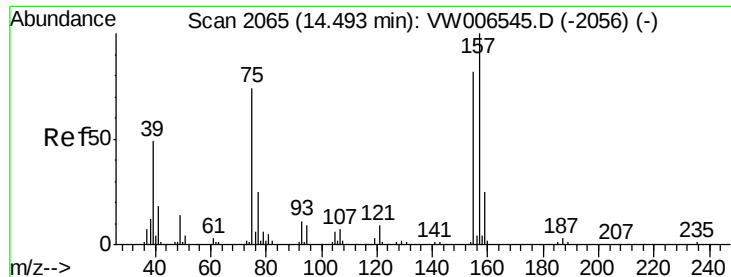


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW





#92

1,2-Dibromo-3-Chloropropane

Concen: 2.592 ug/l

RT: 14.53 min Scan# 2071

Delta R.T. 0.04 min

Lab File: VW006700.D

Acq: 06 Nov 2018 21:17

Instrument :

MSVOA_W

ClientSampleId :

HL-R37719-RT

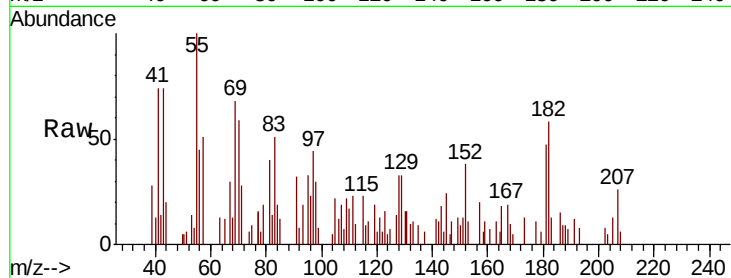
Tot Ion: 75 Resp: 146

Ion Ratio Lower Upper

75 100

155 0.0 50.6 151.8#

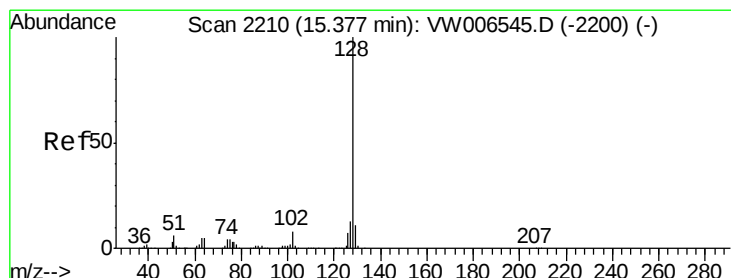
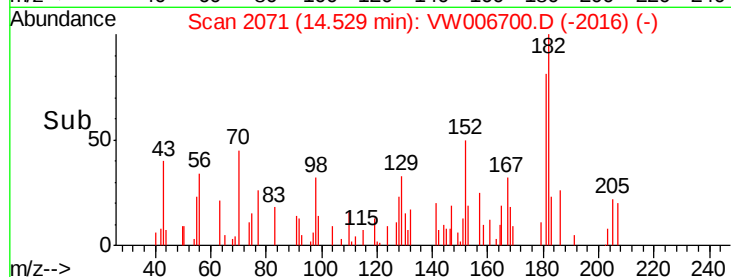
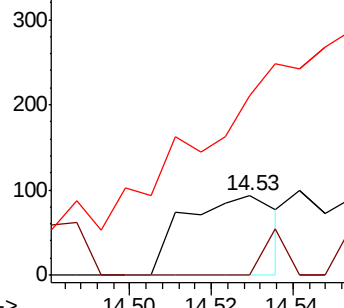
157 0.0 65.0 195.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#95

Naphthalene

Concen: 1.063 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. -0.01 min

Lab File: VW006700.D

Acq: 06 Nov 2018 21:17

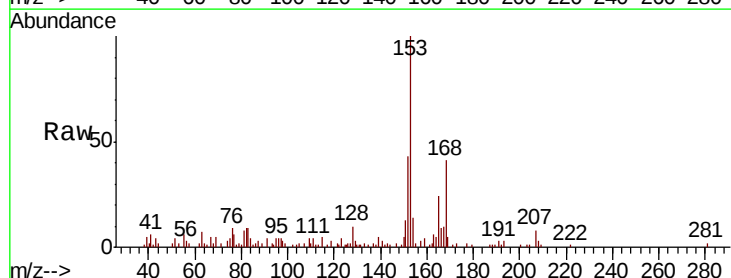
Tgt Ion:128 Resp: 1281

Ion Ratio Lower Upper

128 100

127 11.2 10.3 15.5

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

