

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW080419\
 Data File : VW011691.D
 Acq On : 04 Aug 2019 04:16
 Operator : SY/VA
 Sample : K4135-20
 Misc : 5.55G/5ML/MSVOA W/SOIL
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 1S-B4-(30)

Quant Time: Aug 05 01:07:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	193597	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	327053	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	254003	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	88929	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	128201	57.67	ug/l	0.00
Spiked Amount						
			Recovery	=	115.34%	
35) Dibromofluoromethane	7.88	113	100930	55.01	ug/l	0.00
Spiked Amount						
			Recovery	=	110.02%	
50) Toluene-d8	10.32	98	362951	48.31	ug/l	0.00
Spiked Amount						
			Recovery	=	96.62%	
62) 4-Bromofluorobenzene	12.62	95	103758	38.74	ug/l	0.00
Spiked Amount						
			Recovery	=	77.48%	

Target Compounds

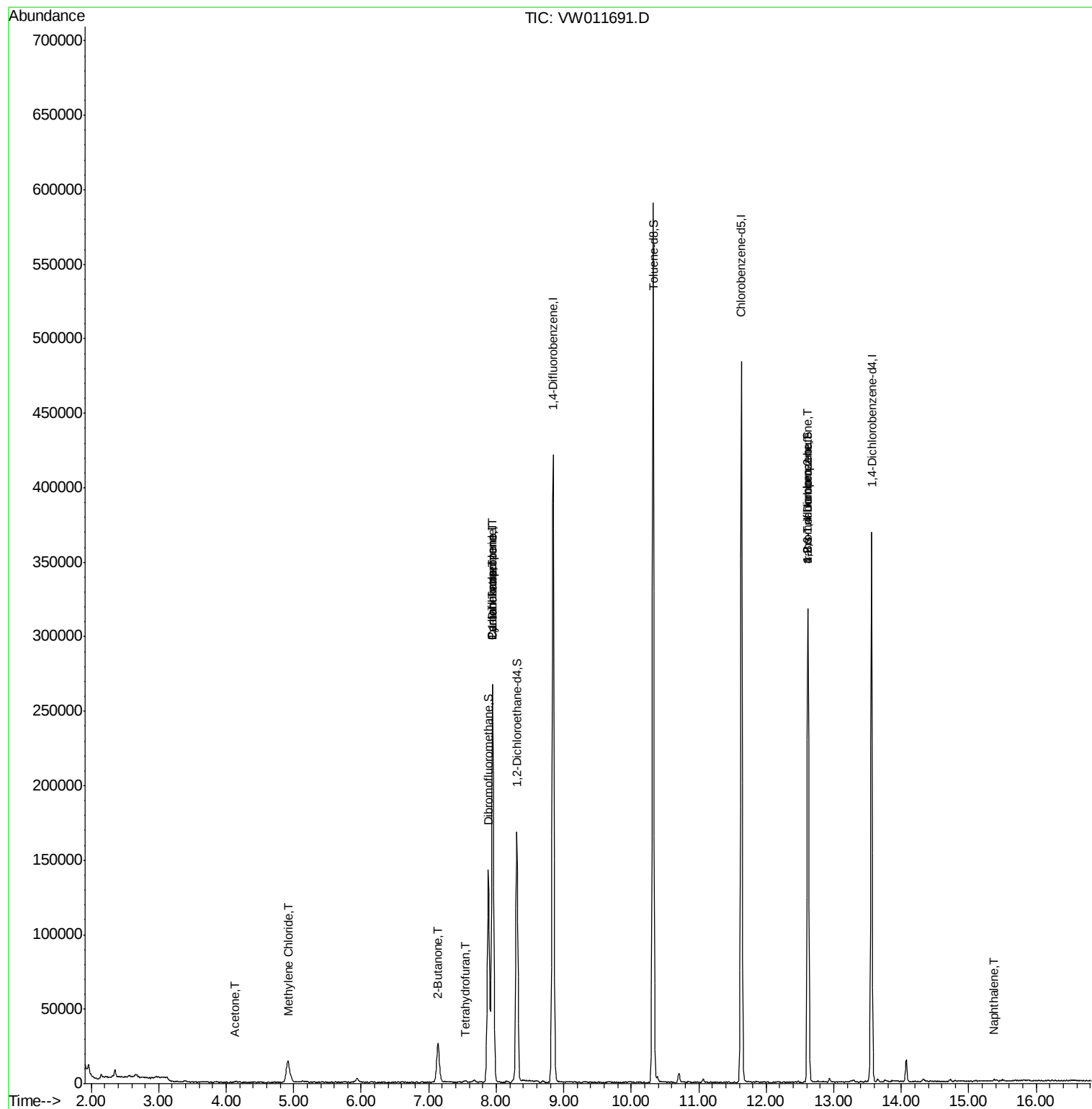
					Qvalue	
11) Tert butyl alcohol	5.17	59	303	Below Cal	#	92
16) Acetone	4.14	43	1148	1.623	ug/l #	84
20) Methylene Chloride	4.92	84	11172	4.581	ug/l	97
25) 2-Butanone	7.15	43	1692	1.829	ug/l #	77
29) Tetrahydrofuran	7.53	42	1184	2.239	ug/l #	80
31) Cyclohexane	7.94	56	5070	1.220	ug/l #	3
36) 1,1-Dichloropropene	7.95	75	17535	5.156	ug/l #	52
38) Carbon Tetrachloride	7.95	117	19465	6.686	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	56565	60.113	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	56565	138.541	ug/l #	6
95) Naphthalene	15.38	128	977	2.333	ug/l #	87

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

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QLast Update : Sat Jul 27 00:23:30 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: VW011691.D

Acq: 04 Aug 2019 04:16

Instrument :

MSVOA_W

ClientSampleId :

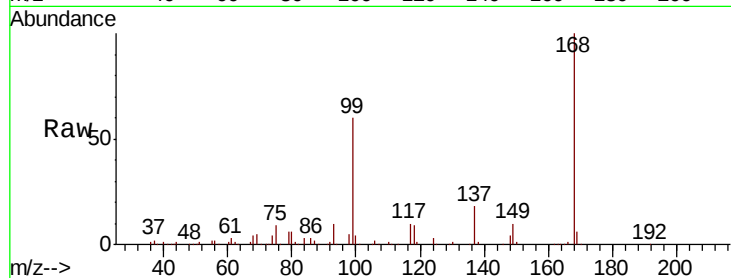
1S-B4-(30)

Tot Ion:168 Resp: 193597

Ion Ratio Lower Upper

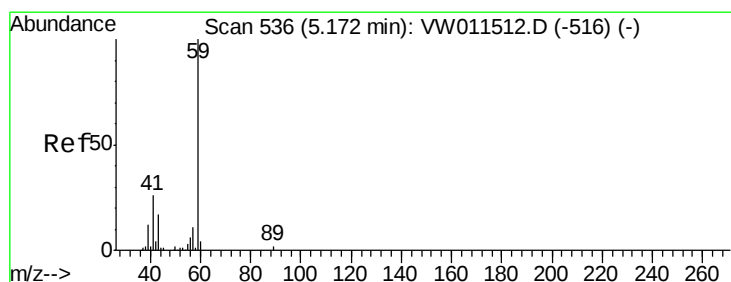
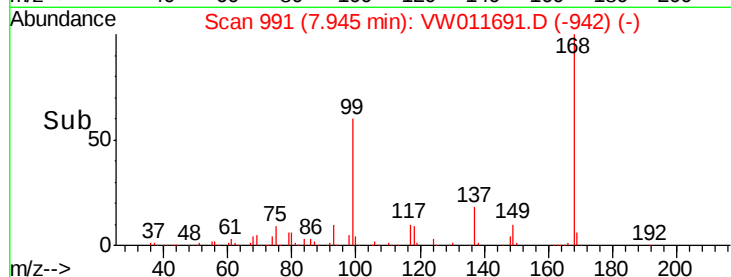
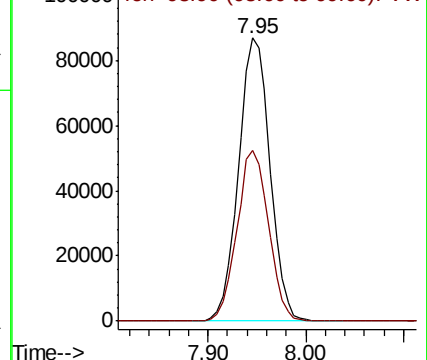
168 100

99 60.3 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.17 min Scan# 536

Delta R.T. 0.00 min

Lab File: VW011691.D

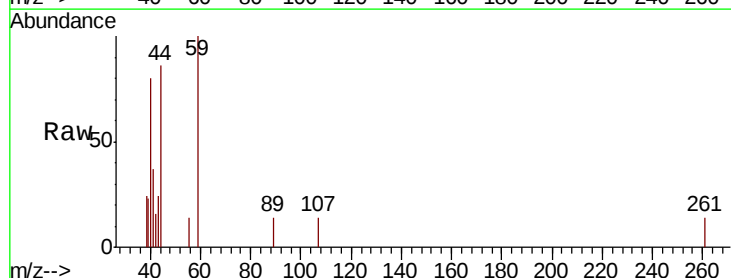
Acq: 04 Aug 2019 04:16

Tgt Ion: 59 Resp: 303

Ion Ratio Lower Upper

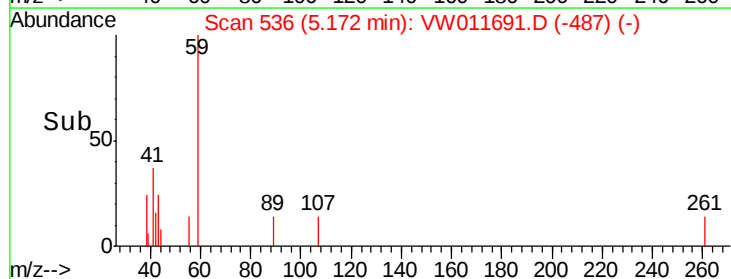
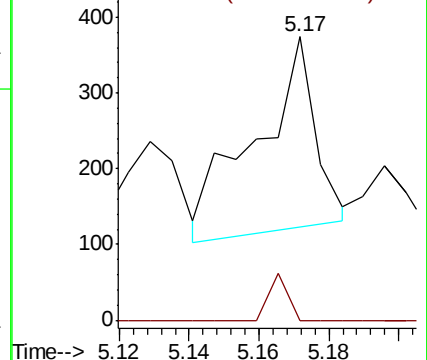
59 100

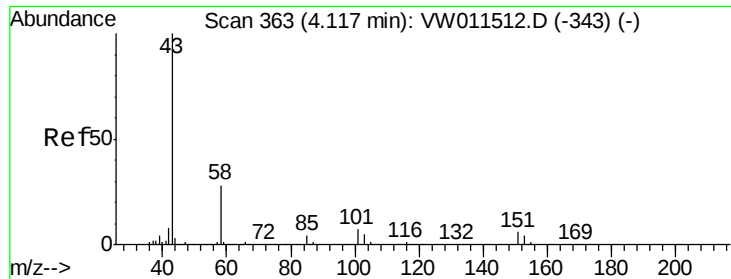
57 7.6 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

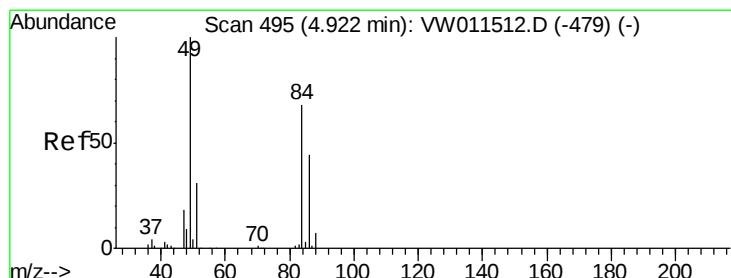
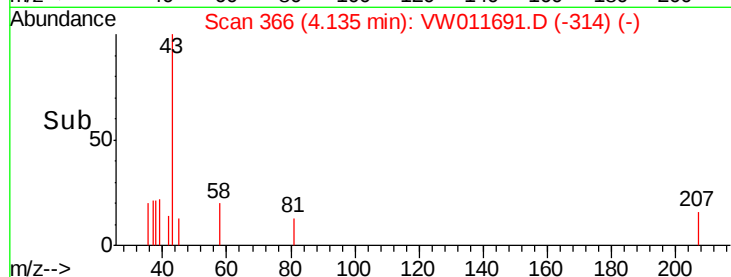
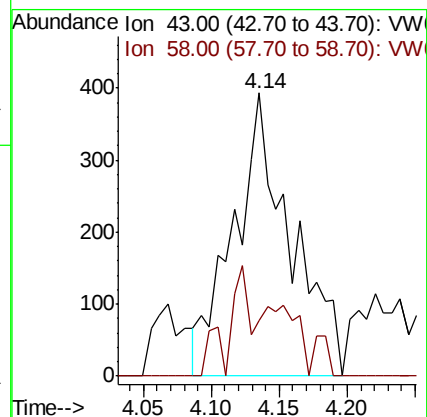
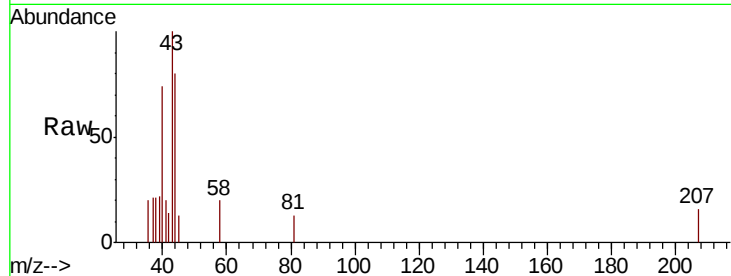




#16
Acetone
Concen: 1.623 ug/l
RT: 4.14 min Scan# 366
Delta R.T. 0.02 min
Lab File: VW011691.D
Acq: 04 Aug 2019 04:16

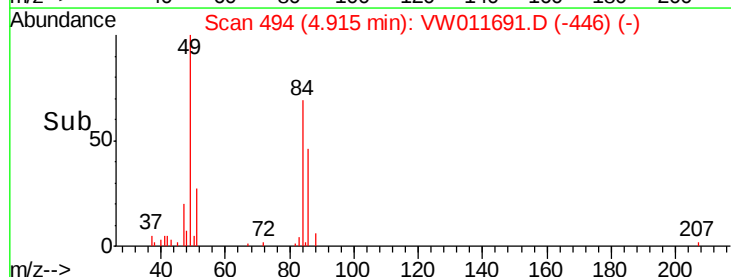
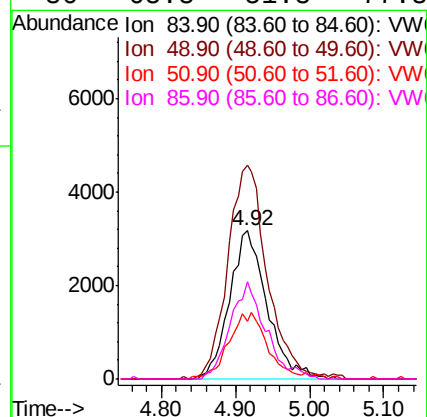
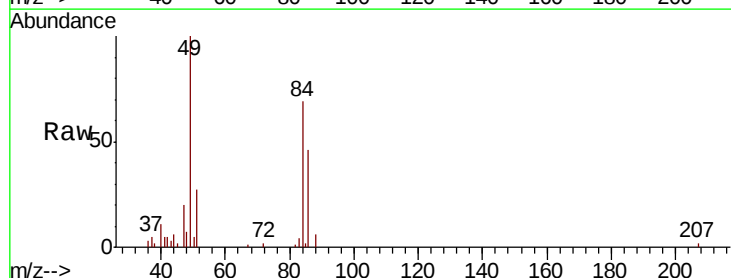
Instrument :
MSVOA_W
ClientSampleId :
1S-B4-(30)

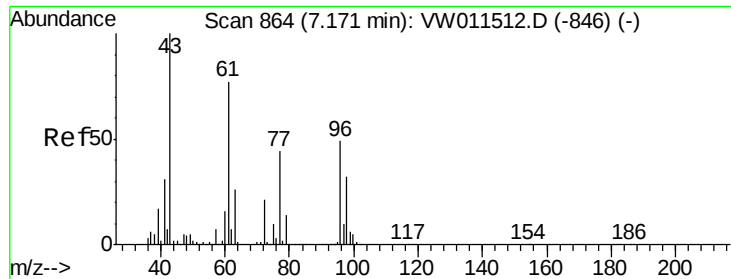
Tot Ion: 43 Resp: 1148
Ion Ratio Lower Upper
43 100
58 19.6 22.3 33.5#



#20
Methylene Chloride
Concen: 4.581 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW011691.D
Acq: 04 Aug 2019 04:16

Tgt Ion: 84 Resp: 11172
Ion Ratio Lower Upper
84 100
49 144.4 117.8 176.6
51 39.2 37.0 55.4
86 65.8 51.8 77.8

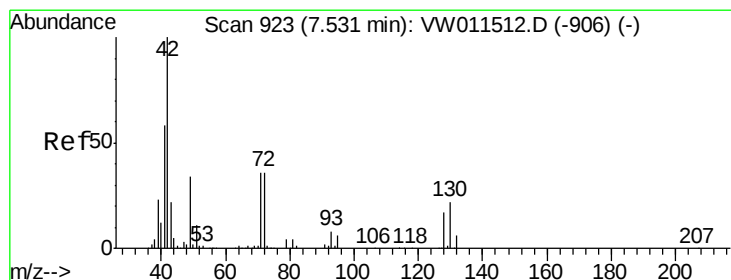
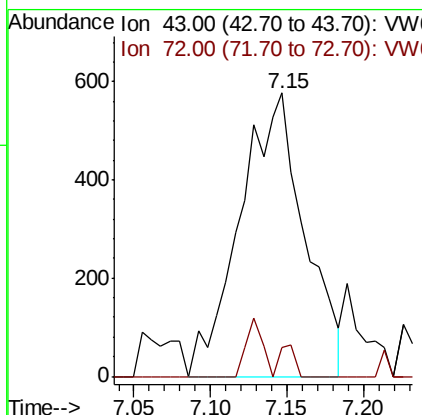
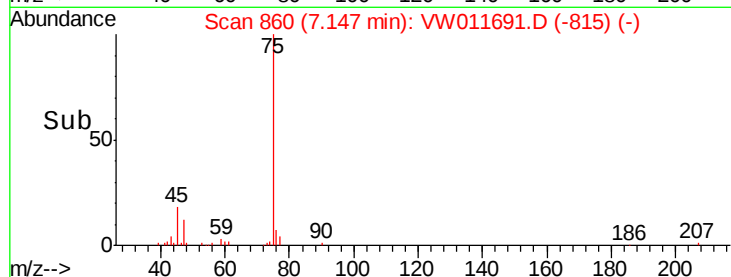
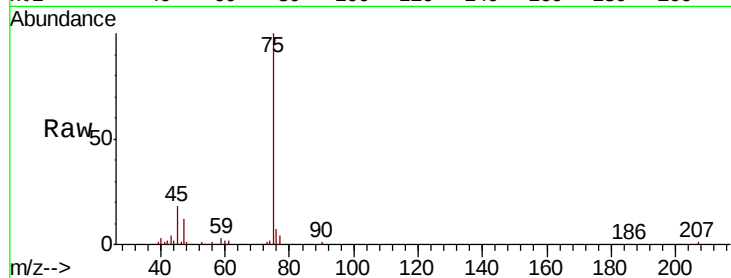




#25
2-Butanone
Concen: 1.829 ug/l
RT: 7.15 min Scan# 860
Delta R.T. -0.02 min
Lab File: VW011691.D
Acq: 04 Aug 2019 04:16

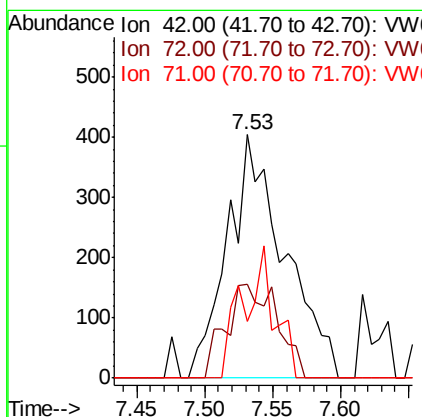
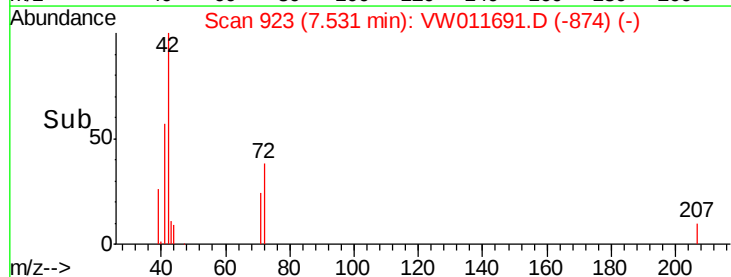
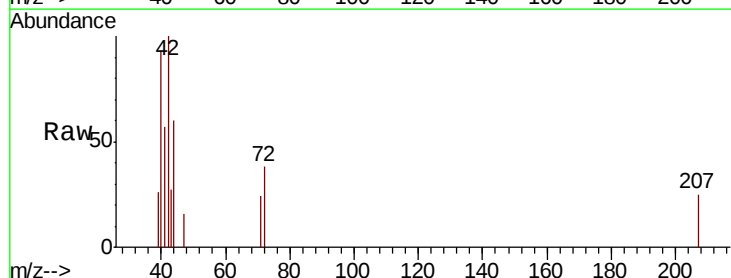
Instrument :
MSVOA_W
ClientSampleId :
1S-B4-(30)

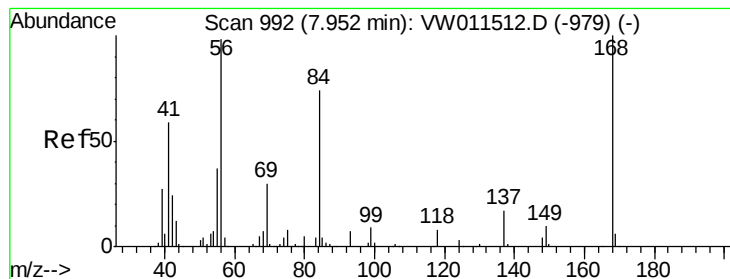
Tot Ion: 43 Resp: 1692
Ion Ratio Lower Upper
43 100
72 10.1 16.6 24.8#



#29
Tetrahydrofuran
Concen: 2.239 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW011691.D
Acq: 04 Aug 2019 04:16

Tgt Ion: 42 Resp: 1184
Ion Ratio Lower Upper
42 100
72 34.9 27.1 40.7
71 11.3 26.2 39.4#





#31

Cyclohexane

Concen: 1.220 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW011691.D

Acq: 04 Aug 2019 04:16

Instrument :

MSVOA_W

ClientSampled :

1S-B4-(30)

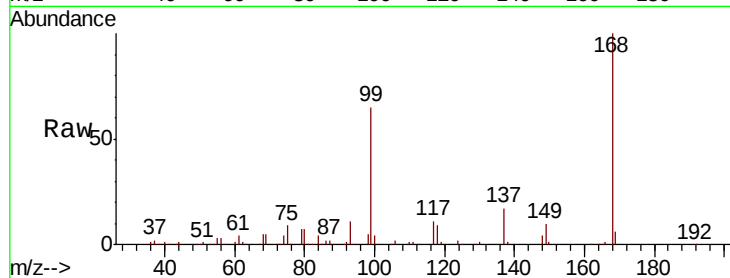
Tot Ion: 56 Resp: 5070

Ion Ratio Lower Upper

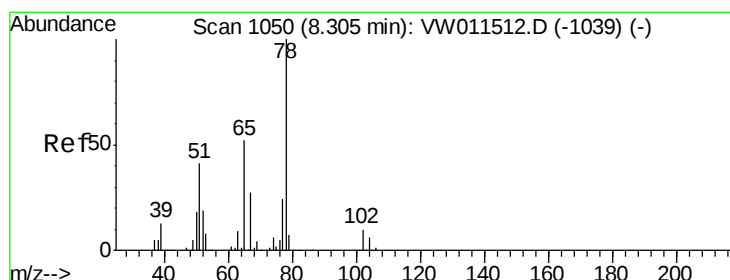
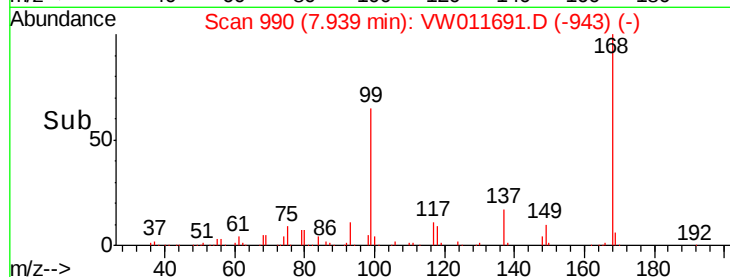
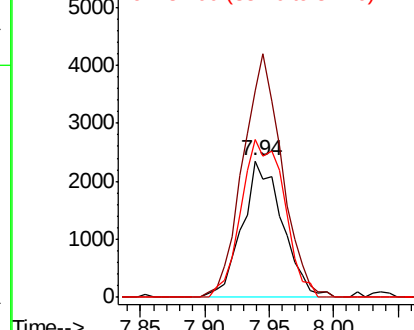
56 100

69 151.4 24.3 36.5#

84 115.5 60.4 90.6#



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: 57.669 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW011691.D

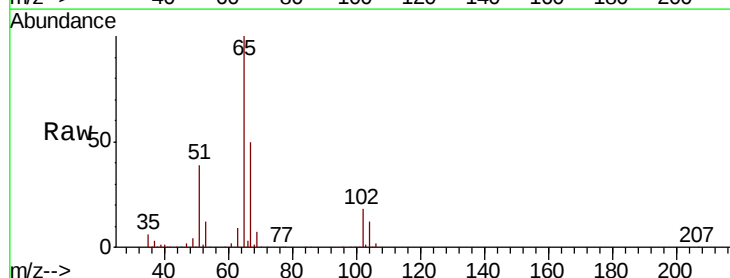
Acq: 04 Aug 2019 04:16

Tgt Ion: 65 Resp: 128201

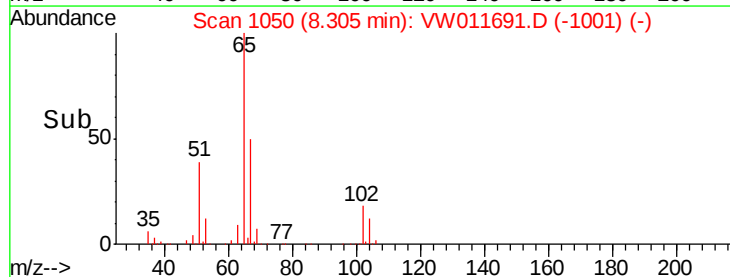
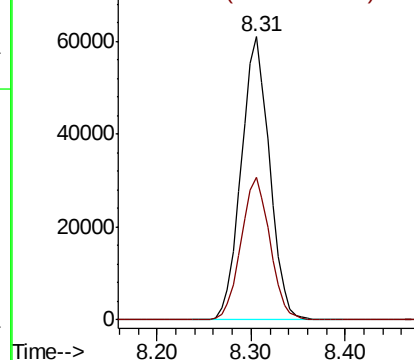
Ion Ratio Lower Upper

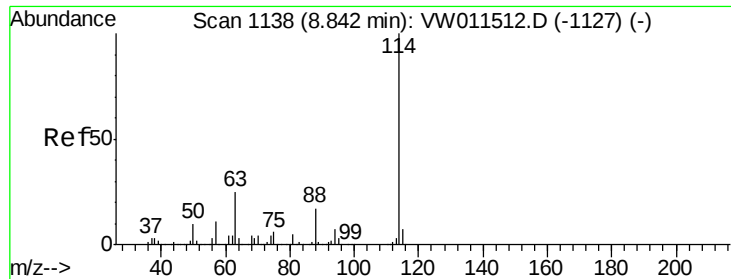
65 100

67 51.4 0.0 105.2



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

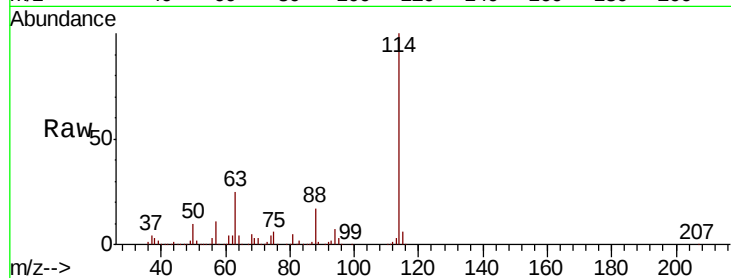




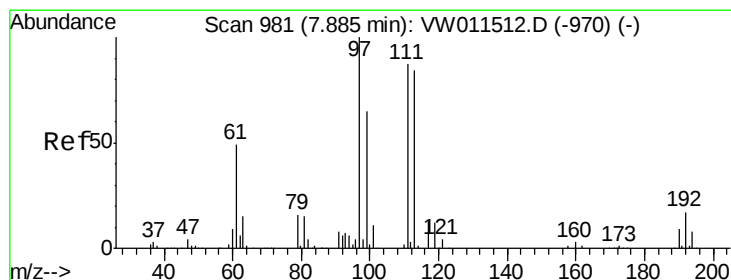
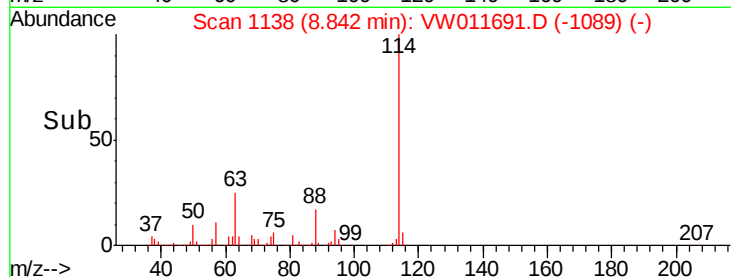
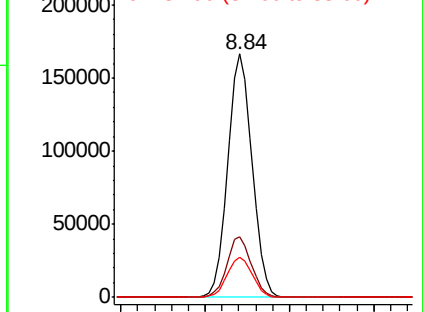
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011691.D
 Acq: 04 Aug 2019 04:16

Instrument :
 MSVOA_W
 ClientSampleId :
 1S-B4-(30)

Tot Ion	Ratio	Lower	Upper
114	100		
63	24.9	0.0	49.2
88	16.6	0.0	33.8

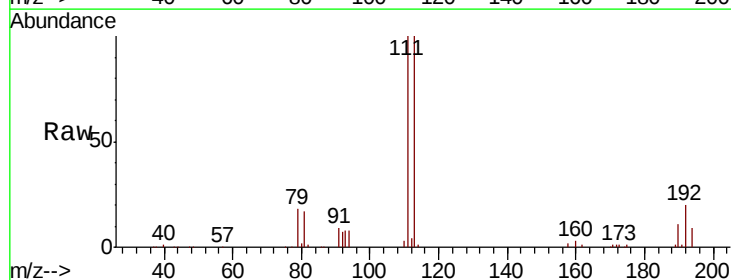


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

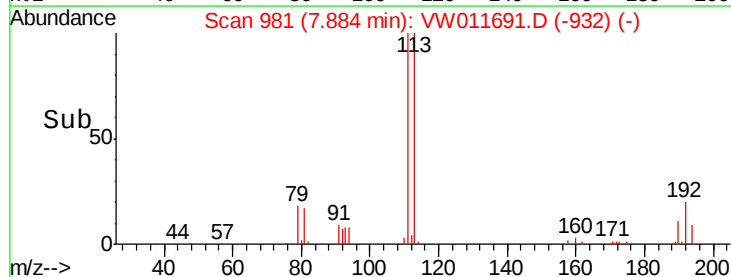
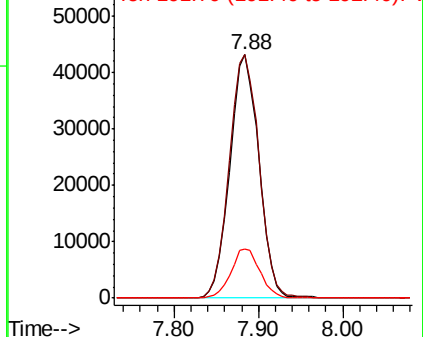


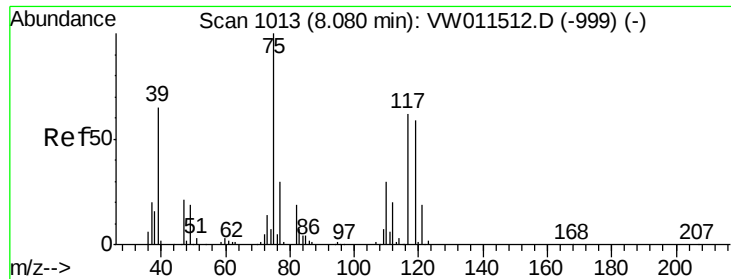
#35
 Dibromofluoromethane
 Concen: 55.008 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW011691.D
 Acq: 04 Aug 2019 04:16

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.7	124.1
192	20.1	16.1	24.1



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

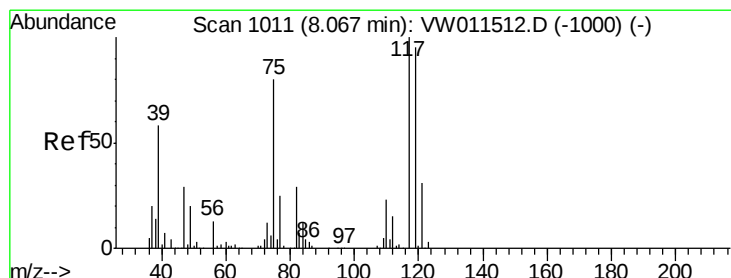
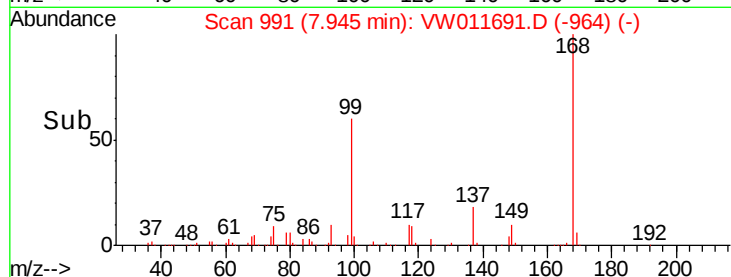
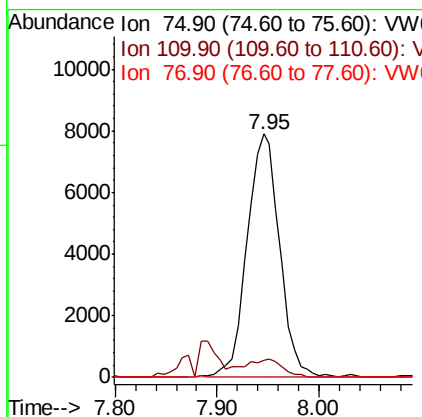
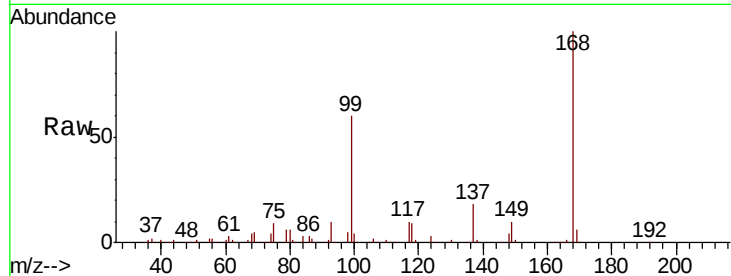




#36
 1,1-Dichloropropene
 Concen: 5.156 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW011691.D
 Acq: 04 Aug 2019 04:16

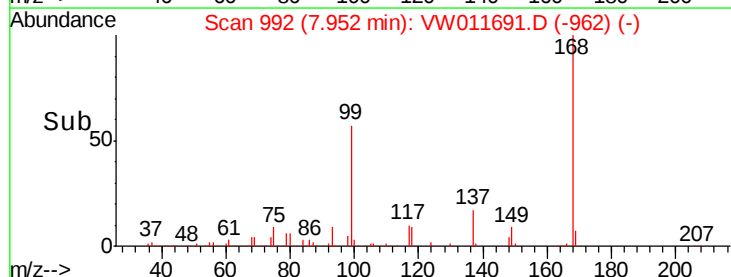
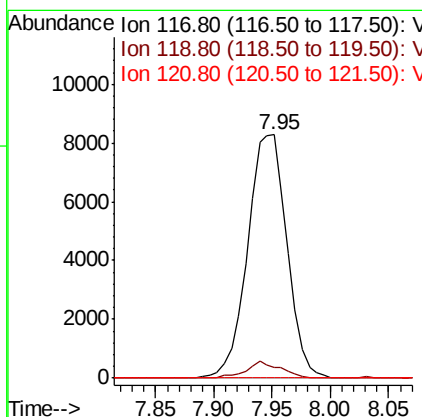
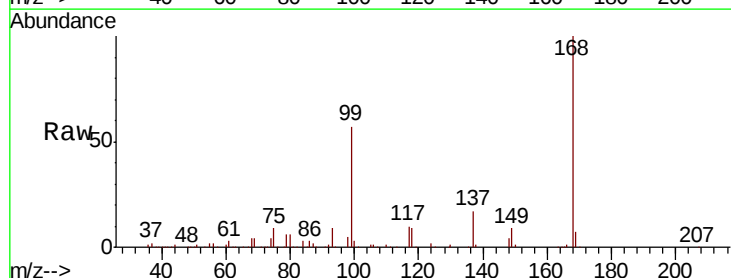
Instrument :
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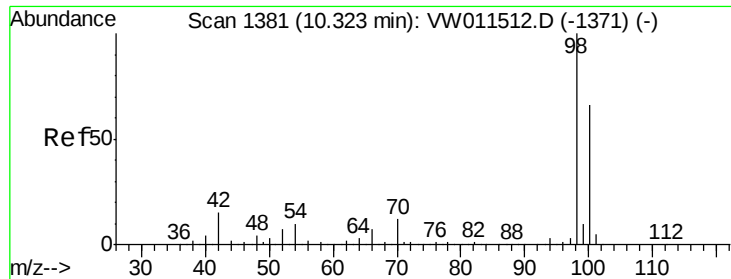
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.4	15.6	46.8#
77	0.0	24.3	36.5#



#38
 Carbon Tetrachloride
 Concen: 6.686 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW011691.D
 Acq: 04 Aug 2019 04:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.4	75.8	113.6#
121	0.0	24.7	37.1#





#50

Toluene-d8

Concen: 48.314 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW011691.D

Acq: 04 Aug 2019 04:16

Instrument :

MSVOA_W

ClientSampleId :

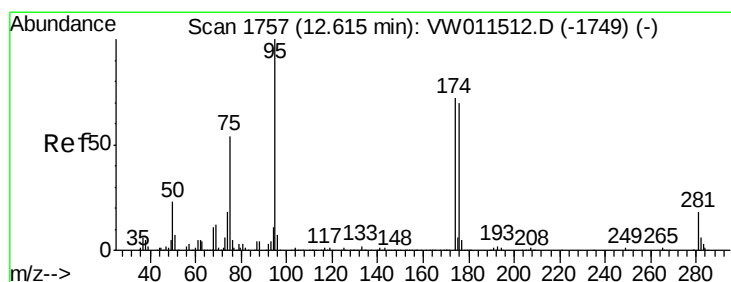
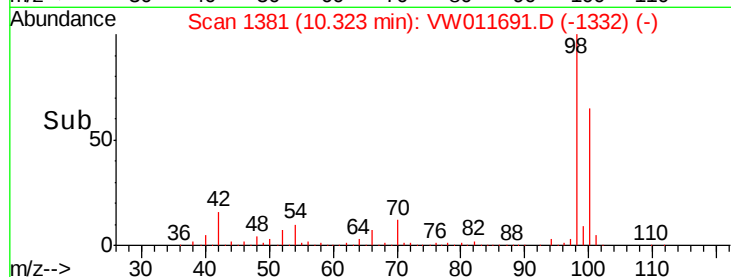
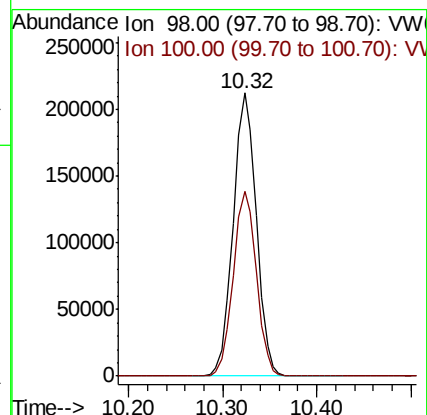
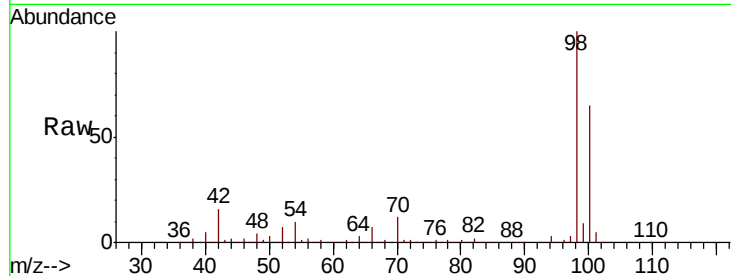
1S-B4-(30)

Tot Ion: 98 Resp: 362951

Ion Ratio Lower Upper

98 100

100 65.3 52.7 79.1



#62

4-Bromofluorobenzene

Concen: 38.740 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW011691.D

Acq: 04 Aug 2019 04:16

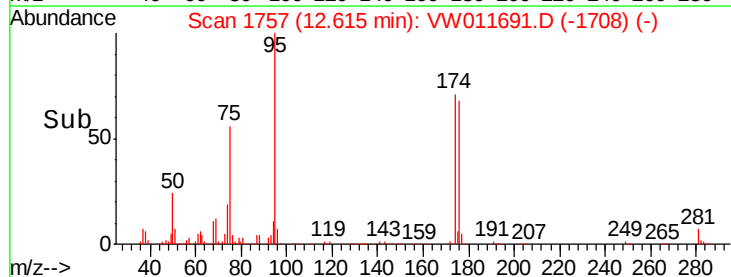
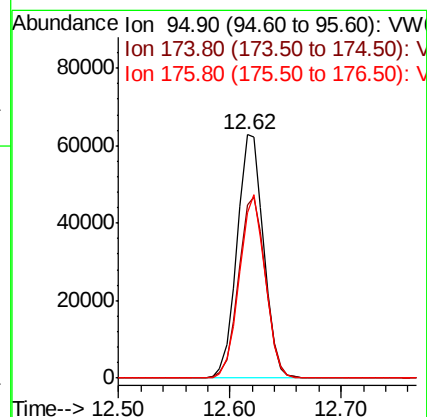
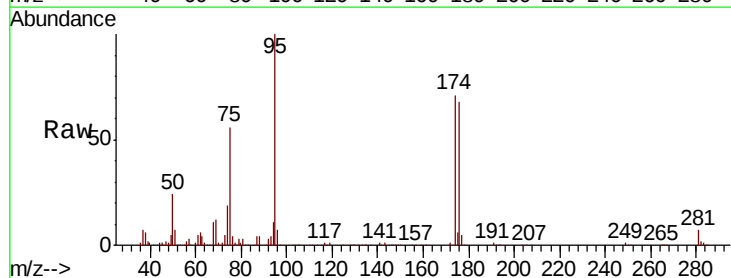
Tgt Ion: 95 Resp: 103758

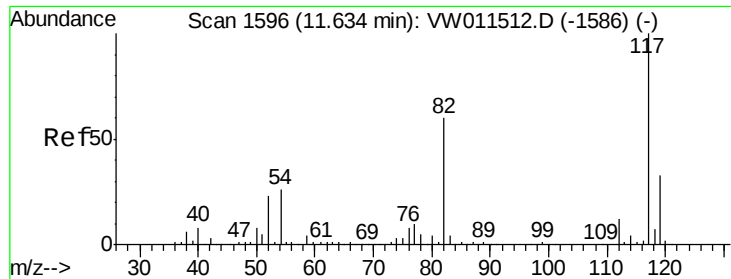
Ion Ratio Lower Upper

95 100

174 75.4 0.0 150.2

176 72.8 0.0 144.4

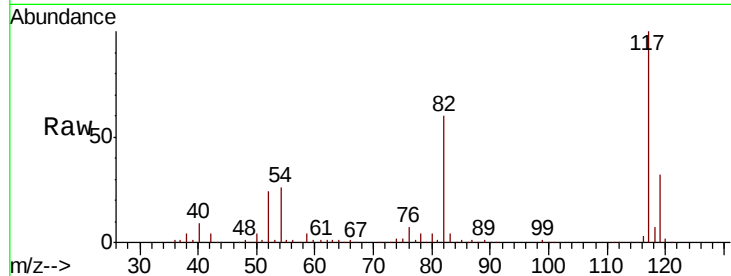




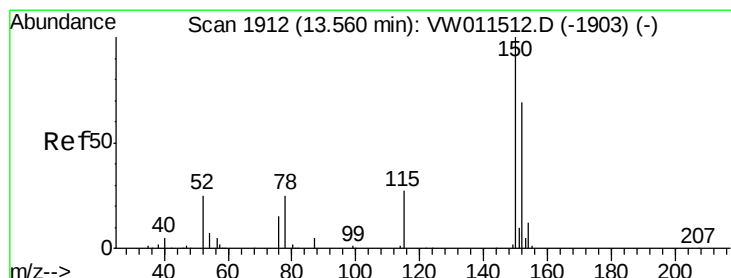
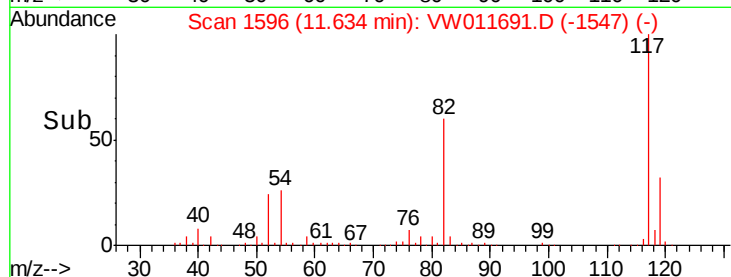
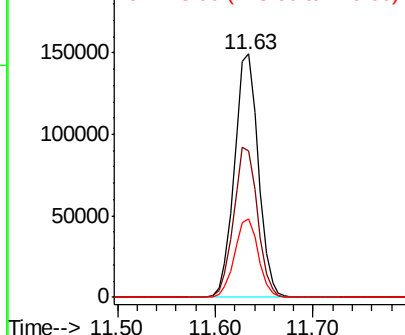
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW011691.D
Acq: 04 Aug 2019 04:16

Instrument :
MSVOA_W
ClientSampleId :
1S-B4-(30)

Tot Ion:117 Resp: 254003
Ion Ratio Lower Upper
117 100
82 60.0 47.9 71.9
119 32.1 26.2 39.2

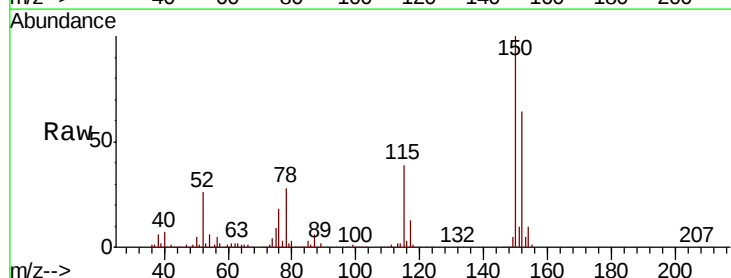


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

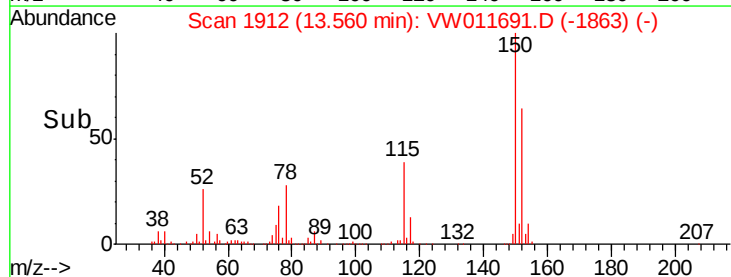
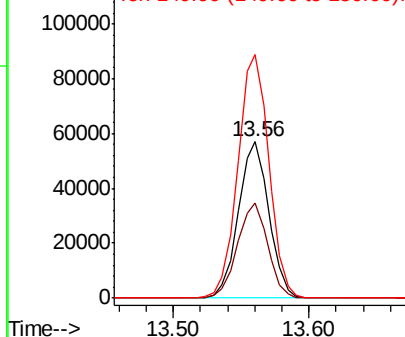


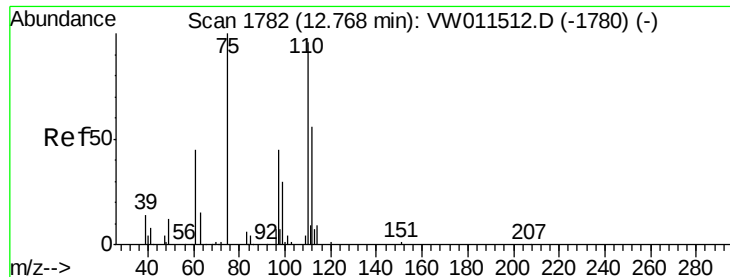
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW011691.D
Acq: 04 Aug 2019 04:16

Tgt Ion:152 Resp: 88929
Ion Ratio Lower Upper
152 100
115 60.7 30.5 91.5
150 158.6 0.0 352.6



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: 60.113 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011691.D

Acq: 04 Aug 2019 04:16

Instrument :

MSVOA_W

ClientSampleId :

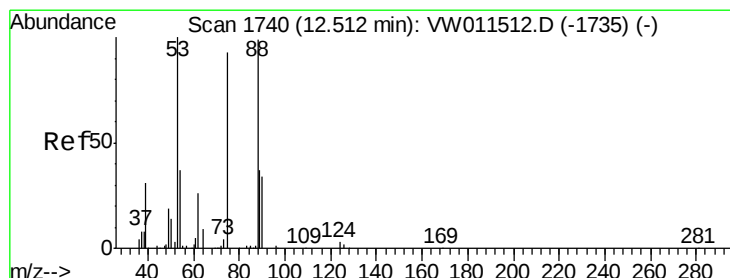
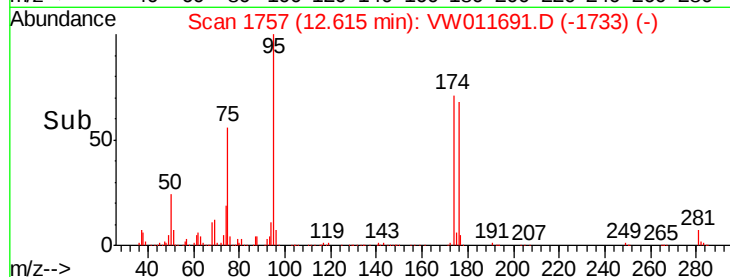
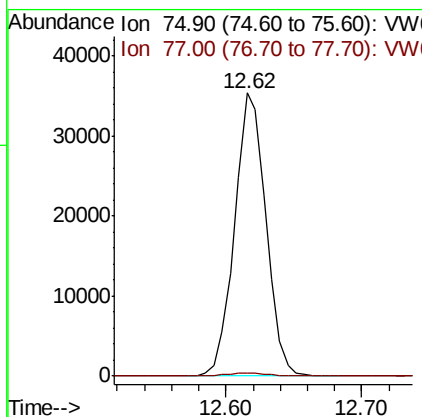
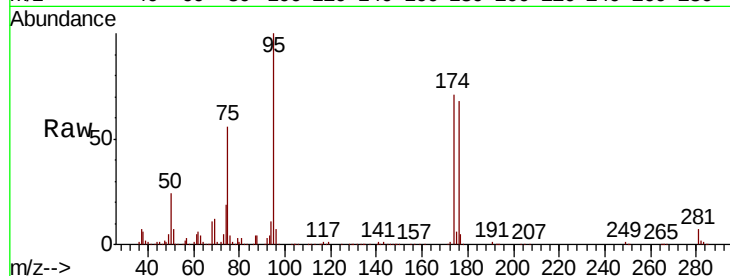
1S-B4-(30)

Tot Ion: 75 Resp: 56565

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 138.541 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011691.D

Acq: 04 Aug 2019 04:16

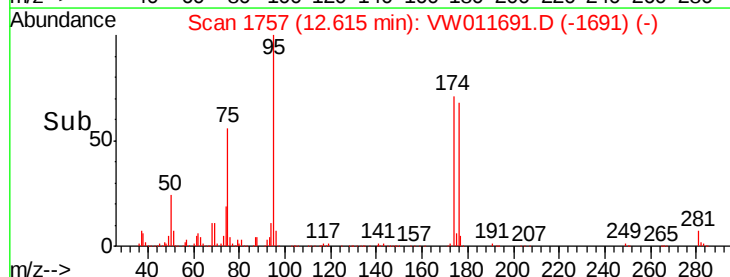
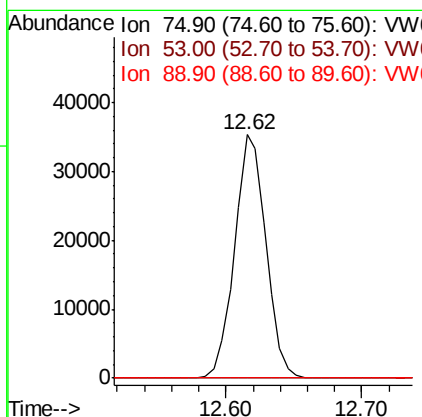
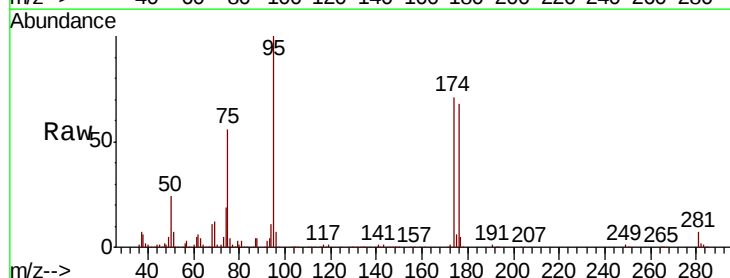
Tgt Ion: 75 Resp: 56565

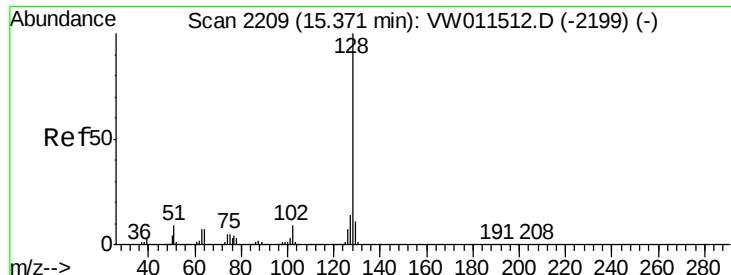
Ion Ratio Lower Upper

75 100

53 0.3 88.0 132.0#

89 0.0 35.3 52.9#





#95

Naphthalene

Concen: 2.333 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.01 min

Lab File: VW011691.D

Acq: 04 Aug 2019 04:16

Instrument :

MSVOA_W

ClientSampleId :

1S-B4-(30)

Tot Ion:128 Resp: 977

Ion Ratio Lower Upper

128 100

127 11.5 10.6 16.0

129 2.4 8.6 13.0#

