

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080619\
 Data File : VW011729.D
 Acq On : 05 Aug 2019 23:50
 Operator : SY/VA
 Sample : K4164-01
 Misc : 5.22G/5ML/MSVOA_W/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 RBR-2000030

Quant Time: Aug 06 08:08:24 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	219902	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	367222	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	300333	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	110556	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	144675	57.30	ug/l	0.00
Spiked Amount			Recovery	=	114.60%	
35) Dibromofluoromethane	7.88	113	112901	54.80	ug/l	0.00
Spiked Amount			Recovery	=	109.60%	
50) Toluene-d8	10.32	98	451155	53.49	ug/l	0.00
Spiked Amount			Recovery	=	106.98%	
62) 4-Bromofluorobenzene	12.62	95	137215	45.63	ug/l	0.00
Spiked Amount			Recovery	=	91.26%	

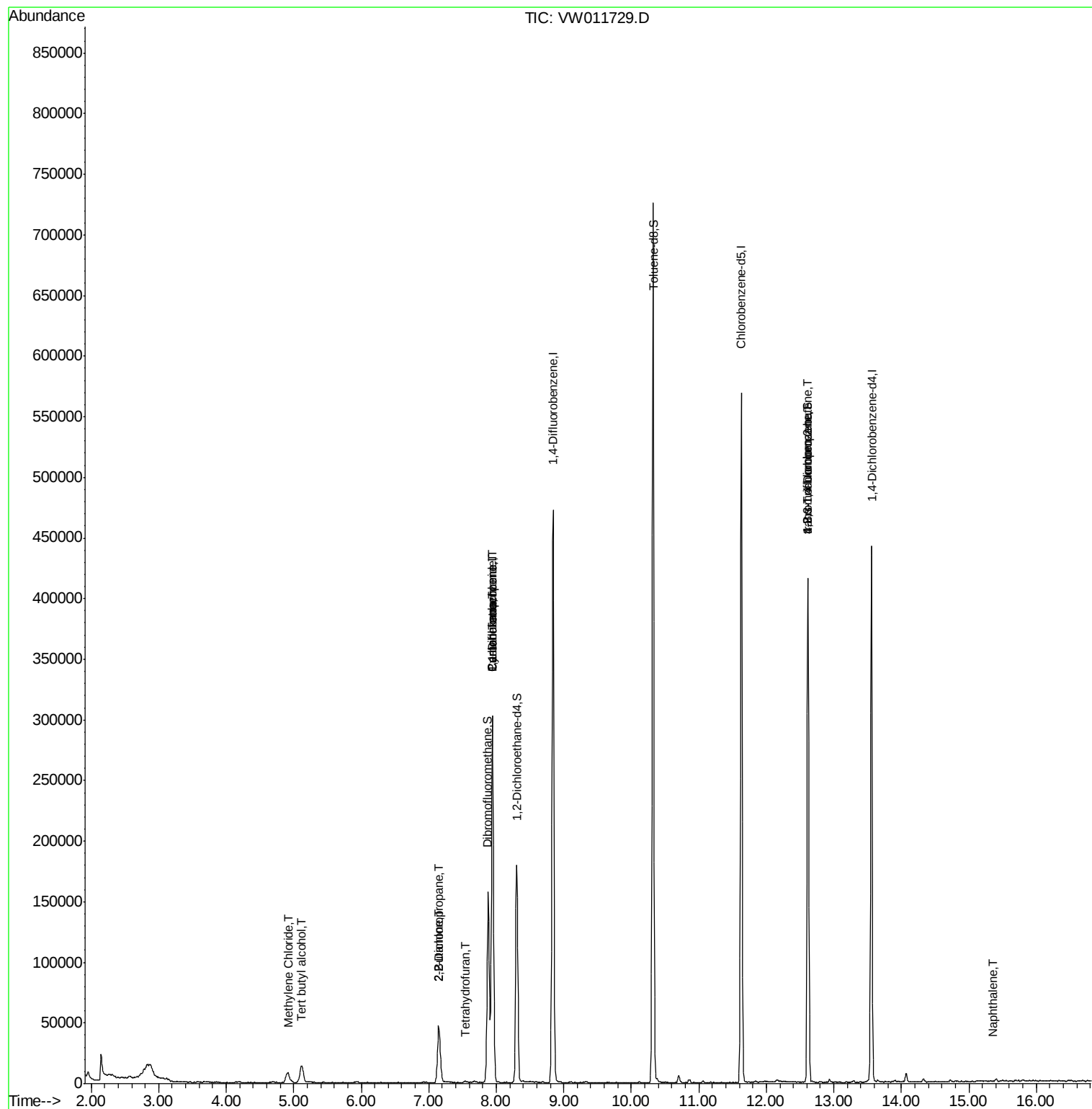
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.12	59	14102	62.286	ug/l #	73
20) Methylene Chloride	4.91	84	6272	2.264	ug/l	88
25) 2-Butanone	7.15	43	3078	2.929	ug/l #	80
26) 2,2-Dichloropropane	7.15	77	3247	1.073	ug/l #	54
29) Tetrahydrofuran	7.54	42	1091	1.816	ug/l	98
31) Cyclohexane	7.94	56	5593	1.185	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	19057	4.991	ug/l #	53
38) Carbon Tetrachloride	7.95	117	22231	6.801	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	72116	61.648	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	72116	142.076	ug/l #	6
95) Naphthalene	15.36	128	178	2.105	ug/l #	69

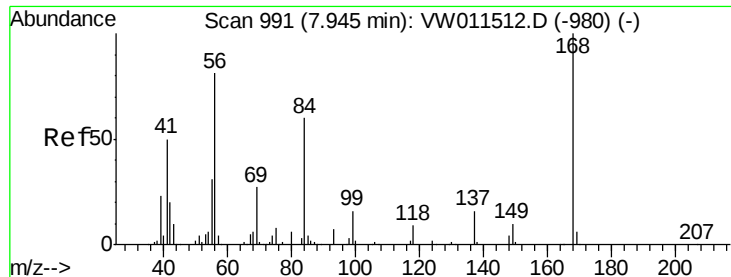
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW011729.D

Acq: 05 Aug 2019 23:50

Instrument :

MSVOA_W

ClientSampleId :

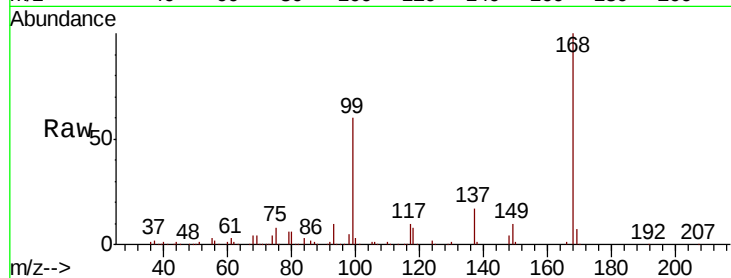
RBR-2000030

Tgt Ion:168 Resp: 219902

Ion Ratio Lower Upper

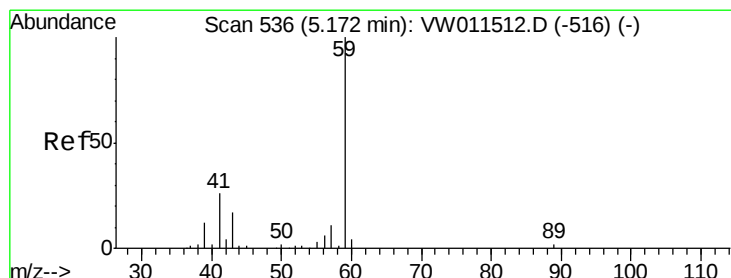
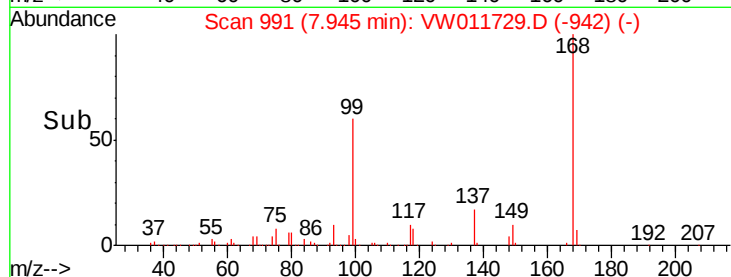
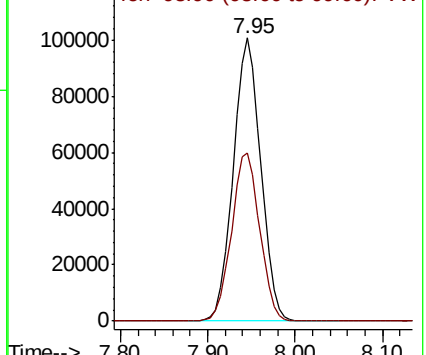
168 100

99 59.6 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: 62.286 ug/l

RT: 5.12 min Scan# 527

Delta R.T. -0.05 min

Lab File: VW011729.D

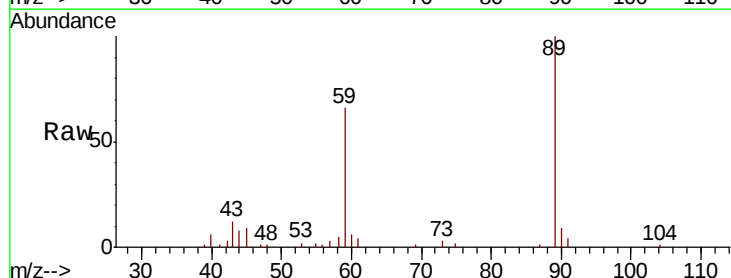
Acq: 05 Aug 2019 23:50

Tgt Ion: 59 Resp: 14102

Ion Ratio Lower Upper

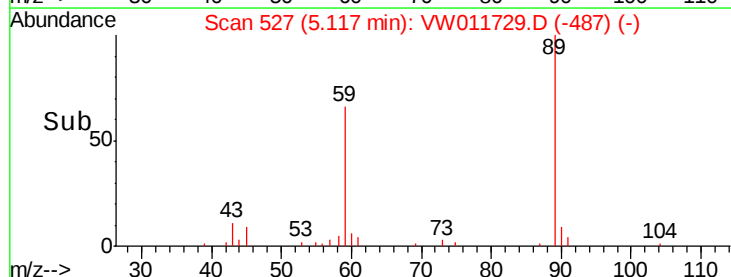
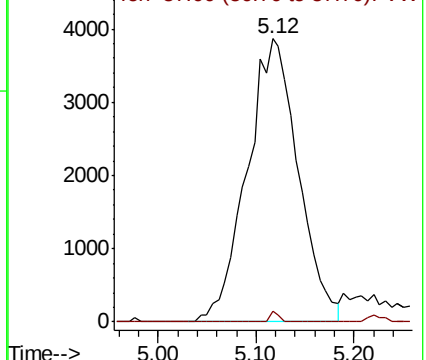
59 100

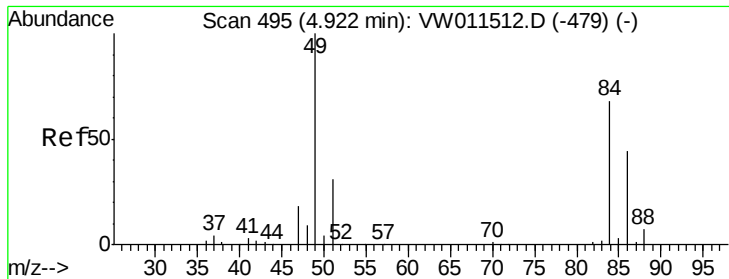
57 0.6 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

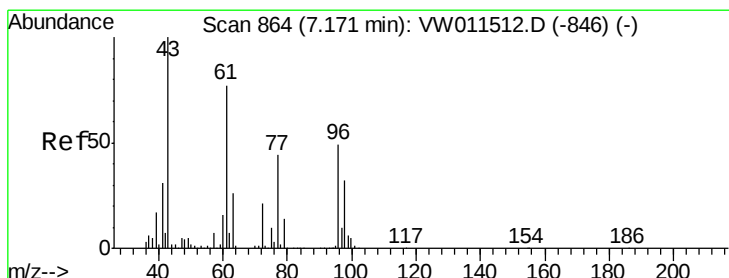
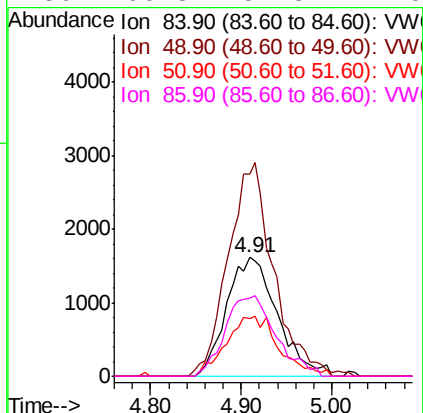
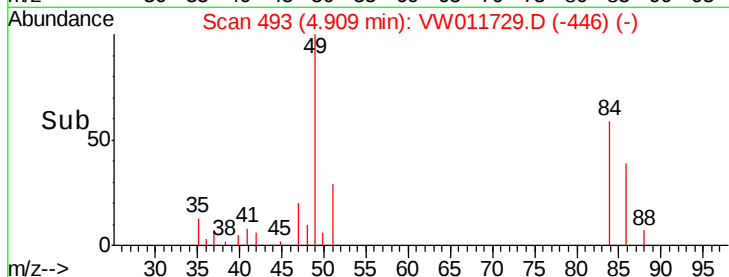
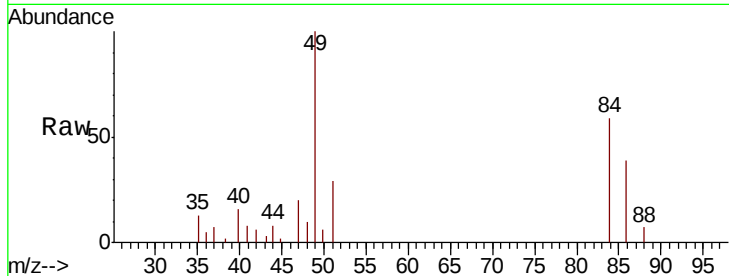




#20
Methylene Chloride
Concen: 2.264 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW011729.D
Acq: 05 Aug 2019 23:50

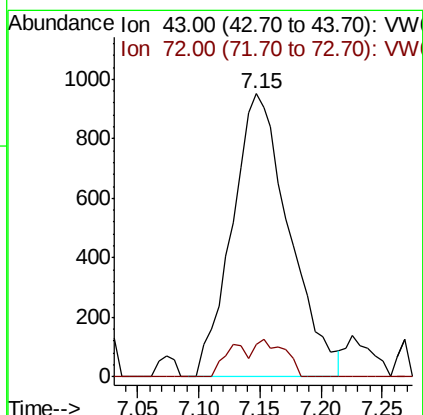
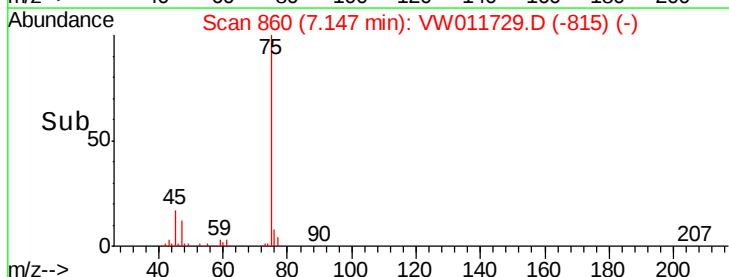
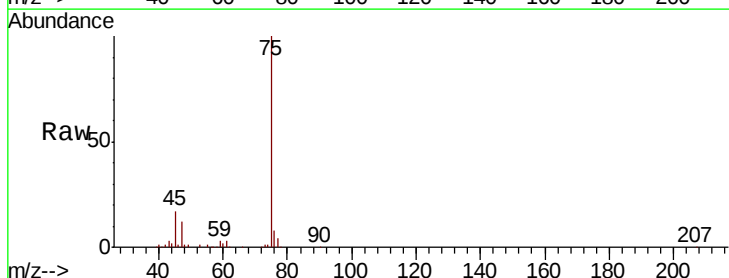
Instrument :
MSVOA_W
ClientSampleId :
RBR-2000030

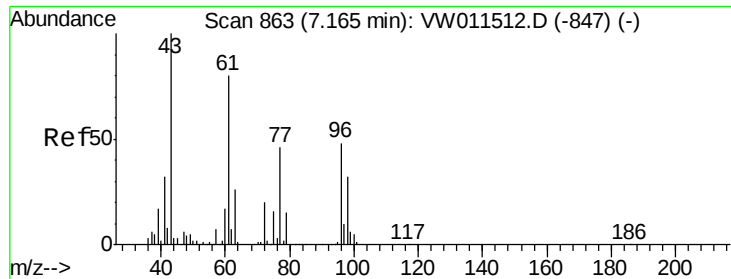
Tgt Ion: 84 Resp: 6272
Ion Ratio Lower Upper
84 100
49 170.4 117.8 176.6
51 49.0 37.0 55.4
86 66.3 51.8 77.8



#25
2-Butanone
Concen: 2.929 ug/l
RT: 7.15 min Scan# 860
Delta R.T. -0.02 min
Lab File: VW011729.D
Acq: 05 Aug 2019 23:50

Tgt Ion: 43 Resp: 3078
Ion Ratio Lower Upper
43 100
72 11.5 16.6 24.8#





#26

2,2-Dichloropropane

Concen: 1.073 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW011729.D

Acq: 05 Aug 2019 23:50

Instrument :

MSVOA_W

ClientSampled :

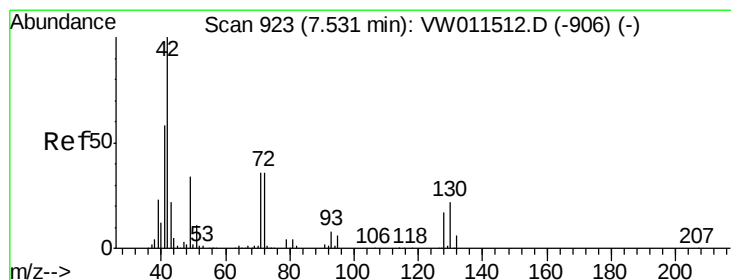
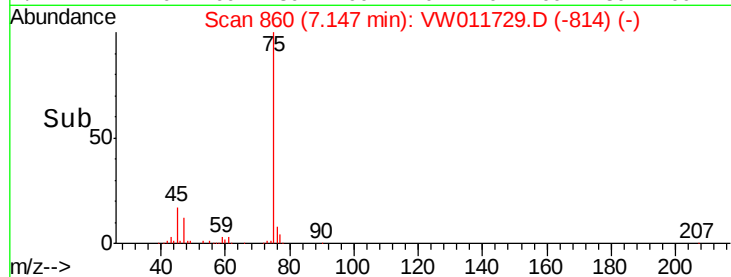
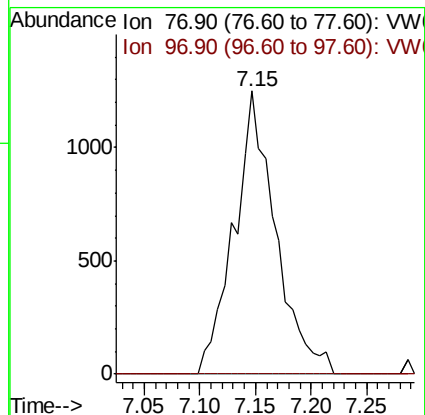
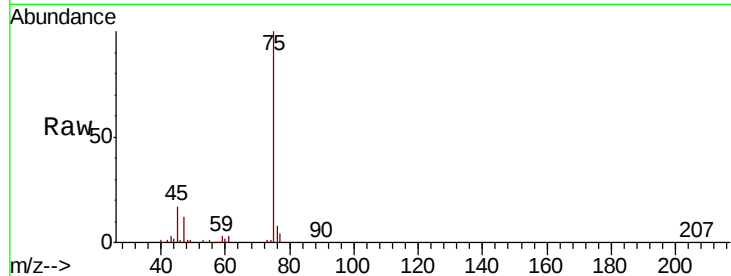
RBR-2000030

Tgt Ion: 77 Resp: 3247

Ion Ratio Lower Upper

77 100

97 0.0 10.8 32.4#



#29

Tetrahydrofuran

Concen: 1.816 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW011729.D

Acq: 05 Aug 2019 23:50

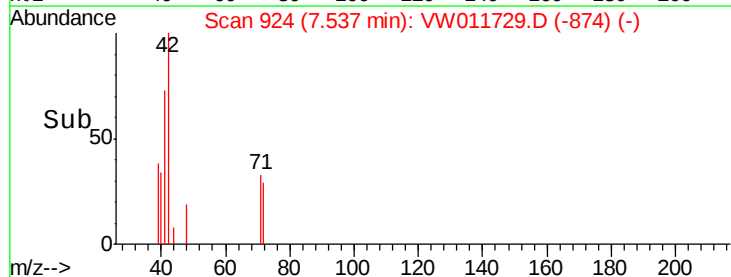
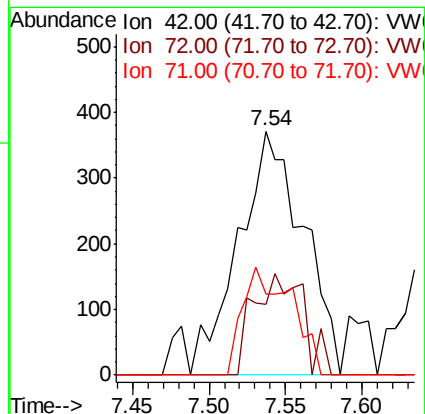
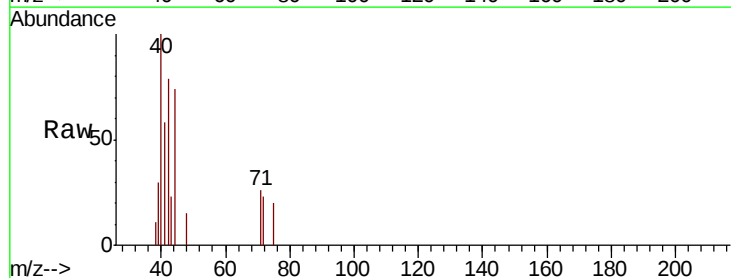
Tgt Ion: 42 Resp: 1091

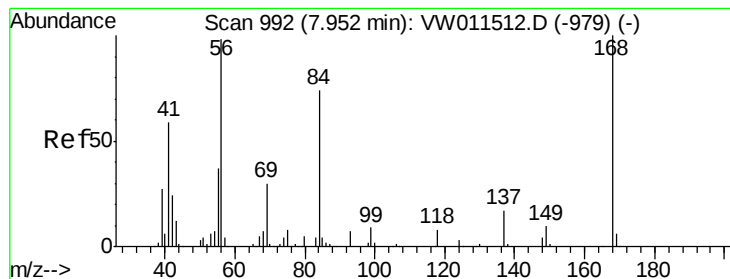
Ion Ratio Lower Upper

42 100

72 32.0 27.1 40.7

71 33.5 26.2 39.4





#31

Cyclohexane

Concen: 1.185 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW011729.D

Acq: 05 Aug 2019 23:50

Instrument :

MSVOA_W

ClientSampleId :

RBR-2000030

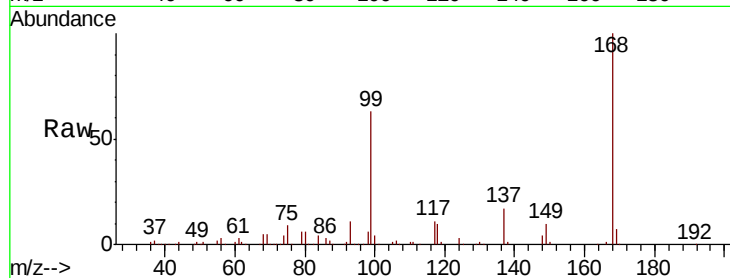
Tgt Ion: 56 Resp: 5593

Ion Ratio Lower Upper

56 100

69 172.1 24.3 36.5#

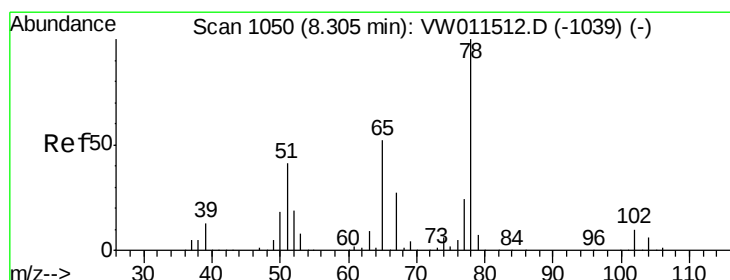
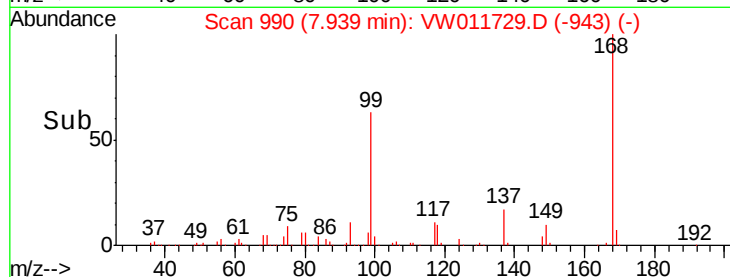
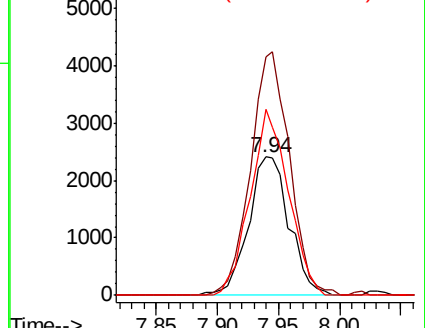
84 134.8 60.4 90.6#



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: 57.295 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW011729.D

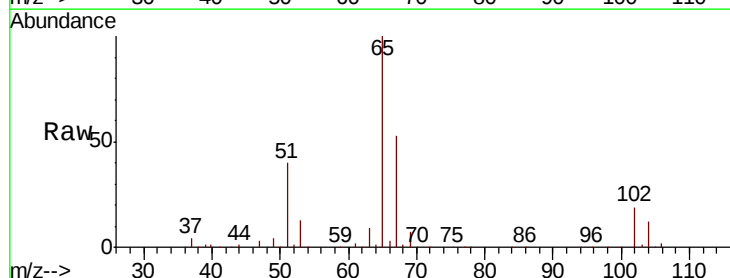
Acq: 05 Aug 2019 23:50

Tgt Ion: 65 Resp: 144675

Ion Ratio Lower Upper

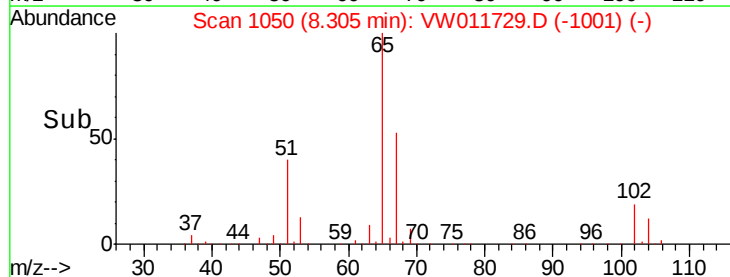
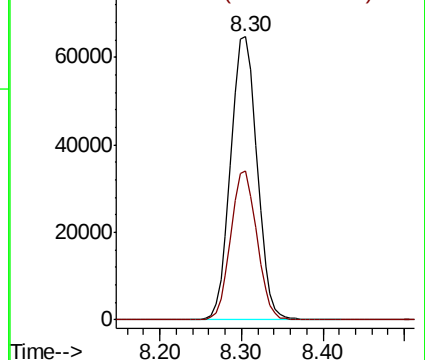
65 100

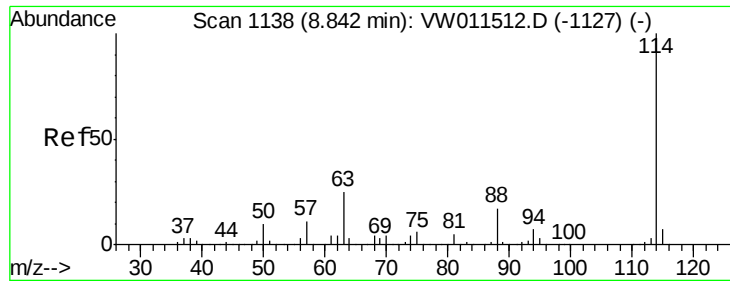
67 52.0 0.0 105.2



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

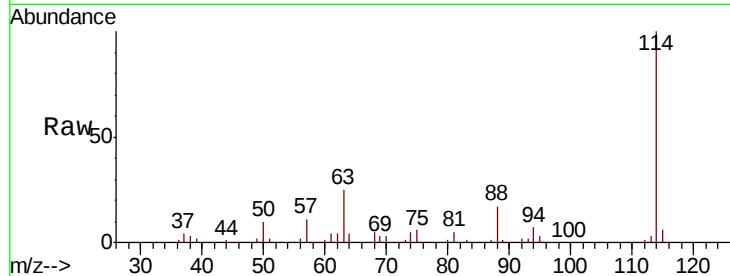




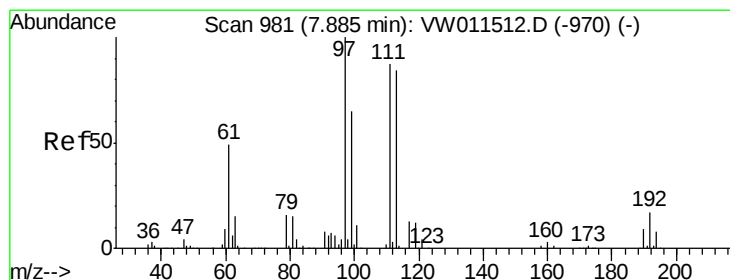
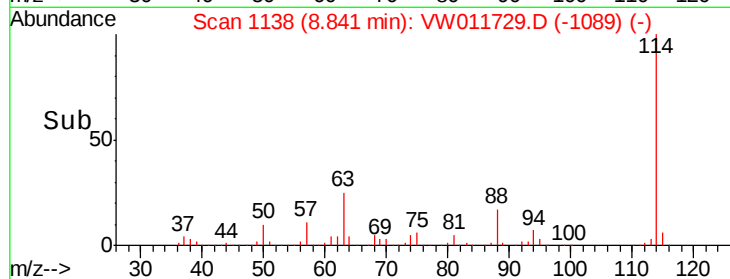
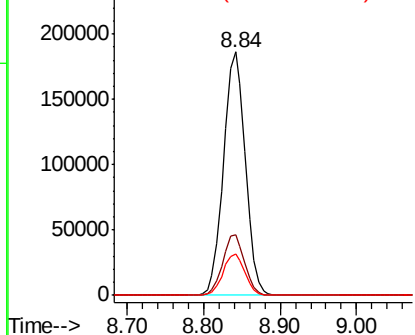
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011729.D
 Acq: 05 Aug 2019 23:50

Instrument :
 MSVOA_W
 ClientSampleId :
 RBR-2000030

Tgt Ion:114 Resp: 367222
 Ion Ratio Lower Upper
 114 100
 63 25.0 0.0 49.2
 88 17.1 0.0 33.8

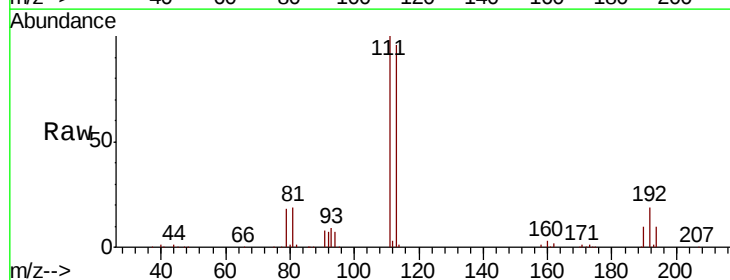


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

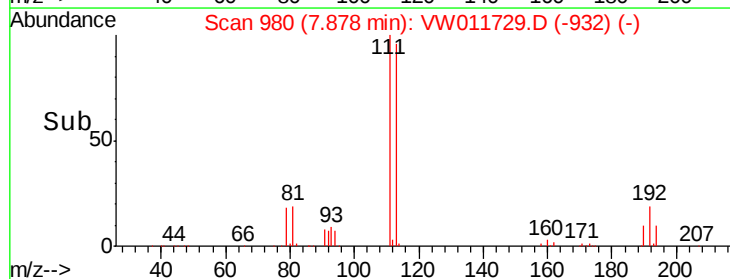
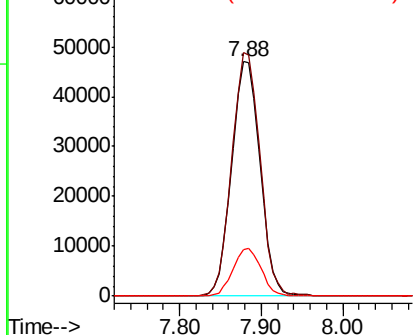


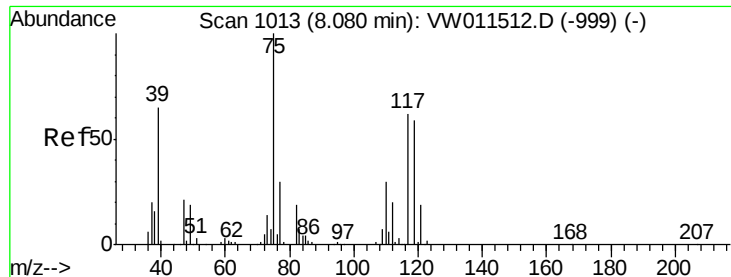
#35
 Dibromofluoromethane
 Concen: 54.802 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW011729.D
 Acq: 05 Aug 2019 23:50

Tgt Ion:113 Resp: 112901
 Ion Ratio Lower Upper
 113 100
 111 102.9 82.7 124.1
 192 20.2 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

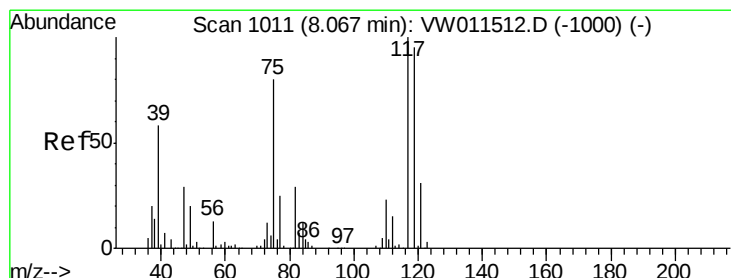
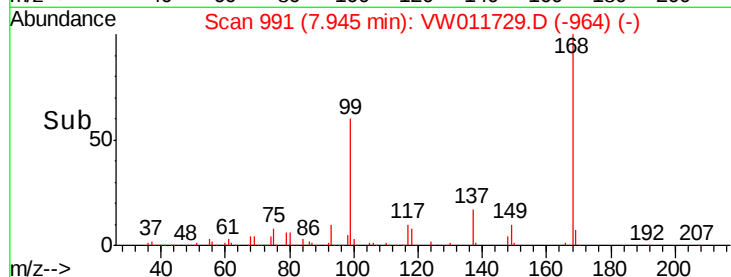
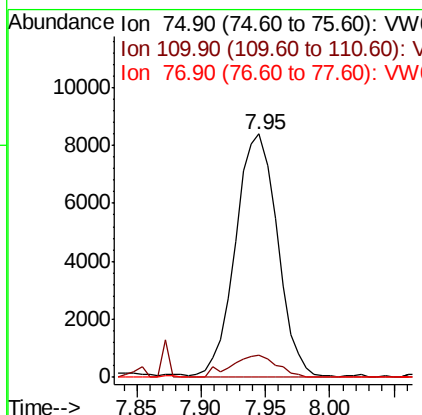
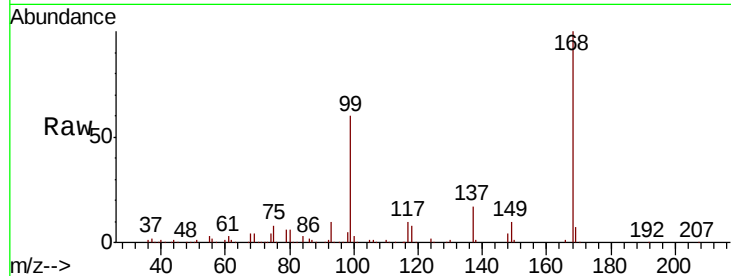




#36
 1,1-Dichloropropene
 Concen: 4.991 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW011729.D
 Acq: 05 Aug 2019 23:50

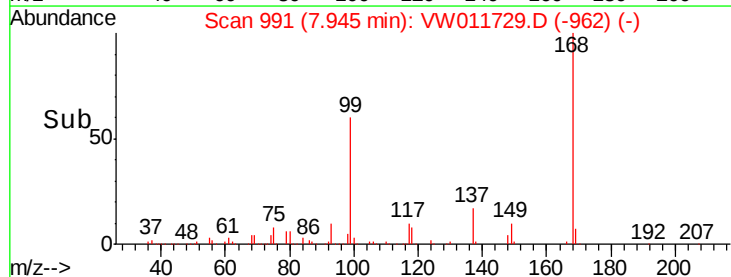
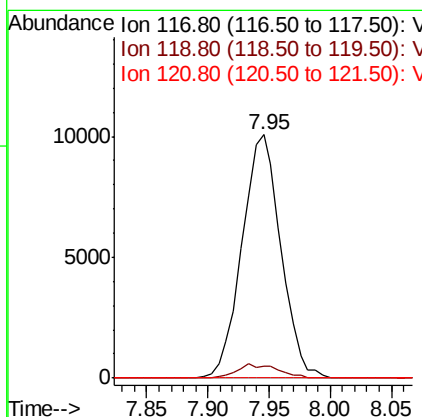
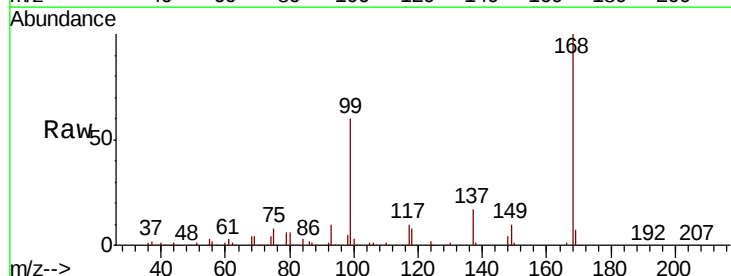
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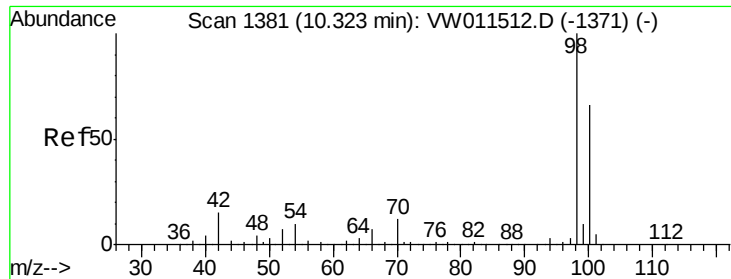
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.9	15.6	46.8#
77	0.0	24.3	36.5#



#38
 Carbon Tetrachloride
 Concen: 6.801 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW011729.D
 Acq: 05 Aug 2019 23:50

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.9	75.8	113.6#
121	0.0	24.7	37.1#

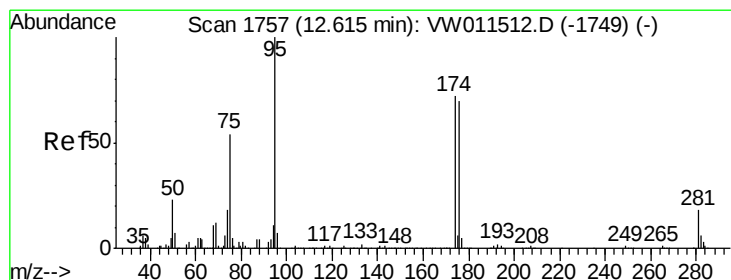
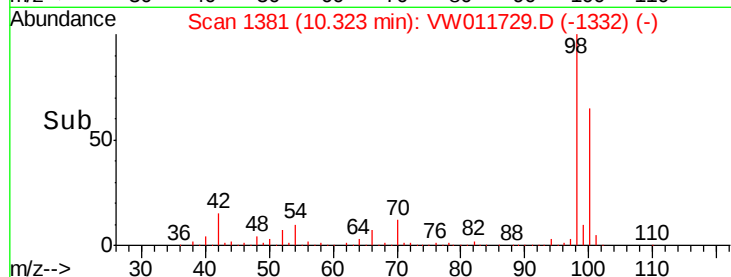
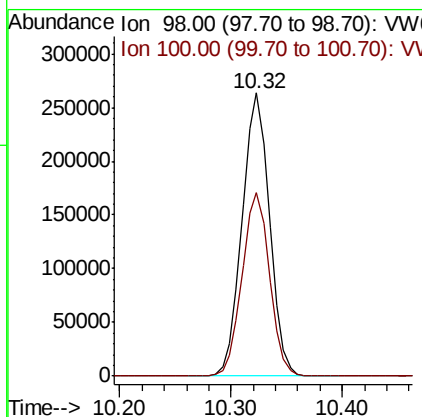
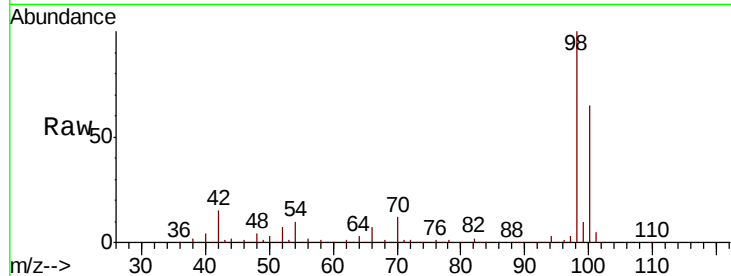




#50
Toluene-d8
Concen: 53.486 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW011729.D
Acq: 05 Aug 2019 23:50

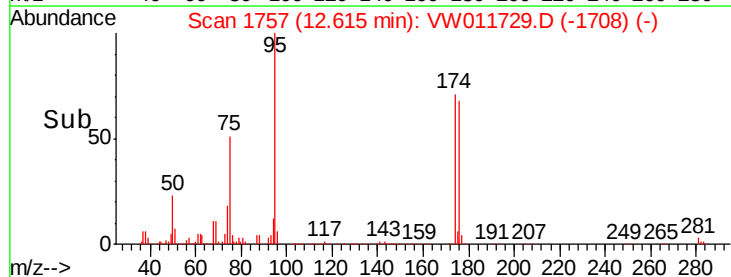
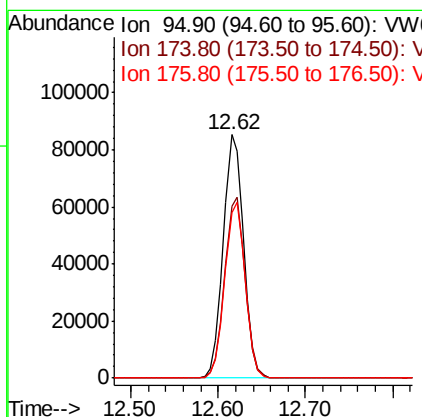
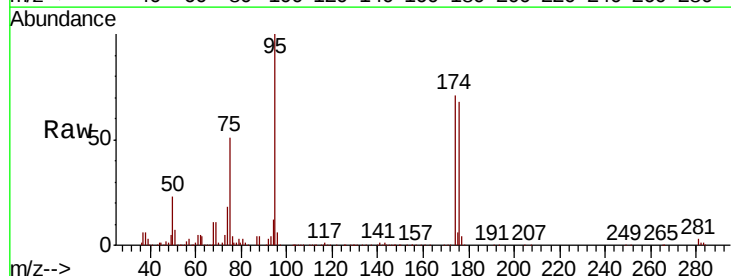
Instrument :
MSVOA_W
ClientSampleId :
RBR-2000030

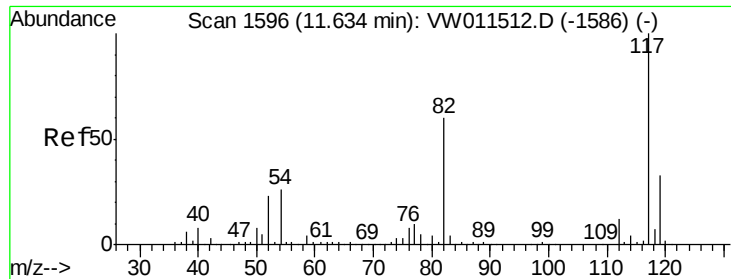
Tgt Ion: 98 Resp: 451155
Ion Ratio Lower Upper
98 100
100 64.9 52.7 79.1



#62
4-Bromofluorobenzene
Concen: 45.628 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW011729.D
Acq: 05 Aug 2019 23:50

Tgt Ion: 95 Resp: 137215
Ion Ratio Lower Upper
95 100
174 74.9 0.0 150.2
176 72.9 0.0 144.4

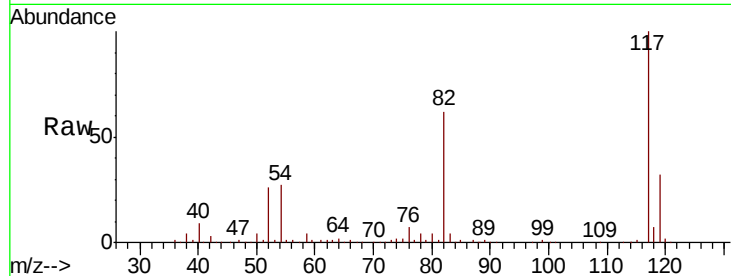




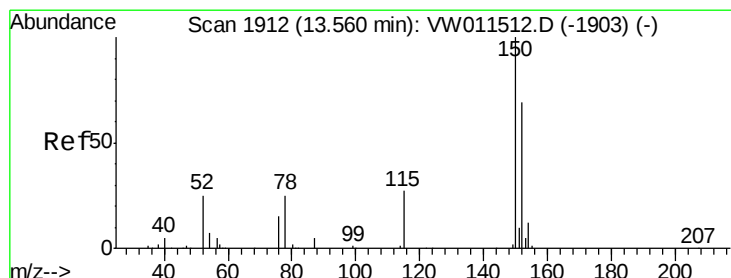
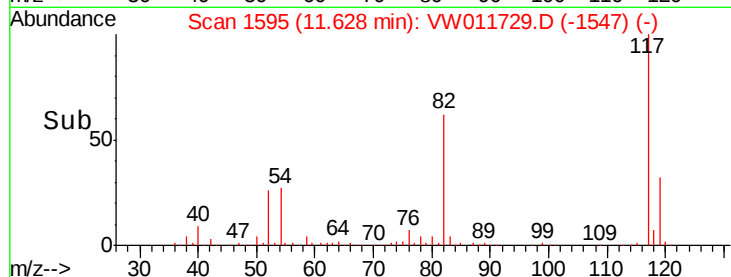
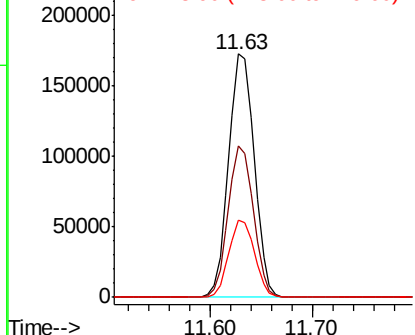
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW011729.D
Acq: 05 Aug 2019 23:50

Instrument :
MSVOA_W
ClientSampleId :
RBR-2000030

Tgt Ion	Ratio	Lower	Upper
117	100		
82	62.0	47.9	71.9
119	31.7	26.2	39.2

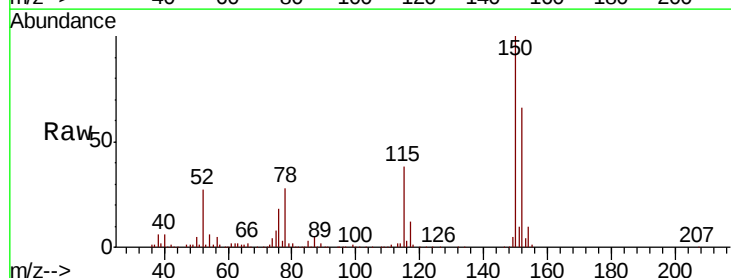


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

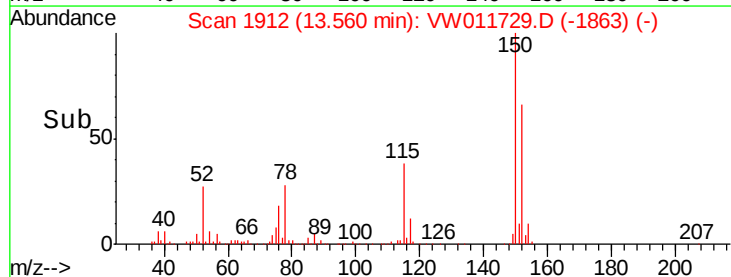
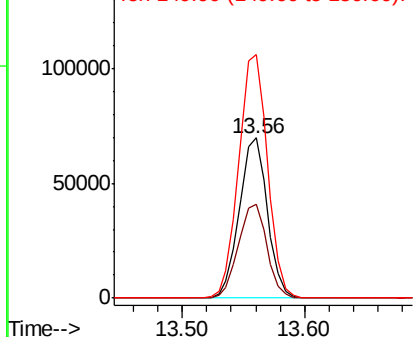


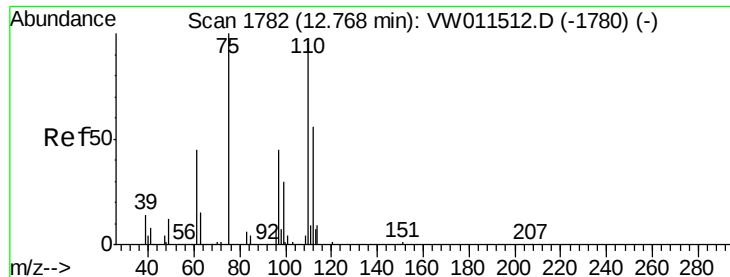
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW011729.D
Acq: 05 Aug 2019 23:50

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.7	30.5	91.5
150	156.2	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: 61.648 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011729.D

Acq: 05 Aug 2019 23:50

Instrument :

MSVOA_W

ClientSampleId :

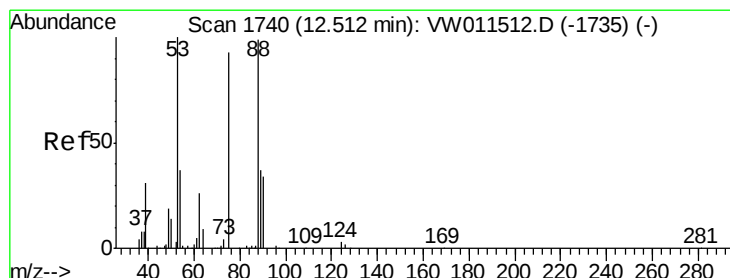
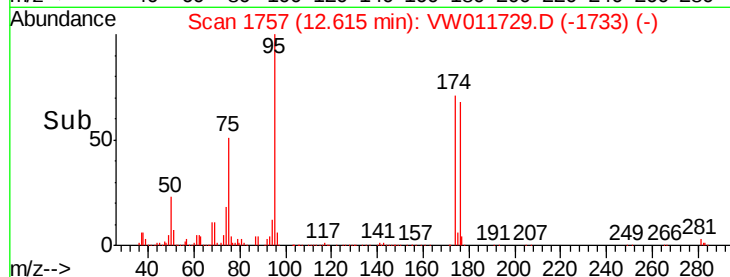
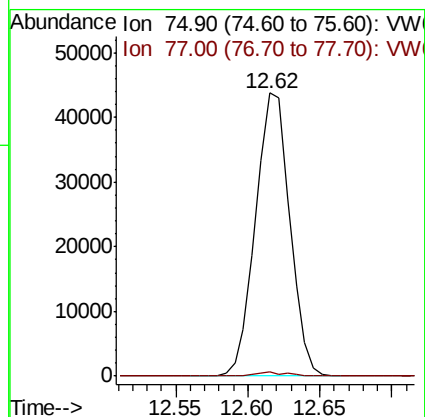
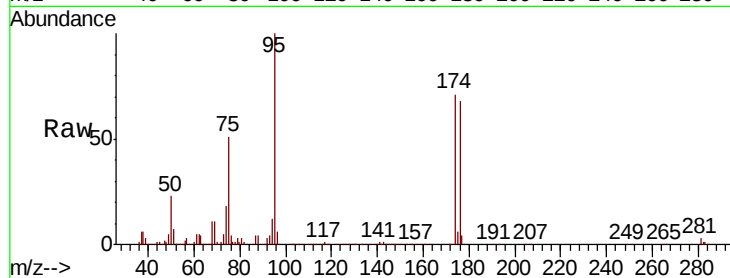
RBR-2000030

Tgt Ion: 75 Resp: 72116

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 142.076 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011729.D

Acq: 05 Aug 2019 23:50

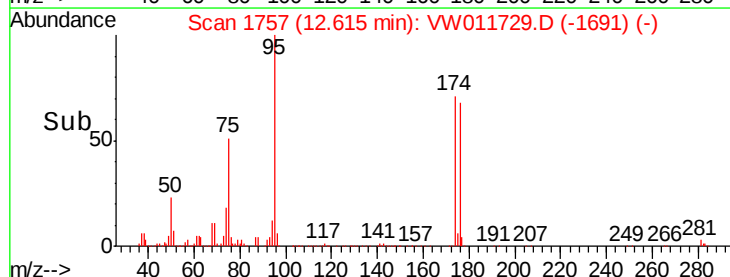
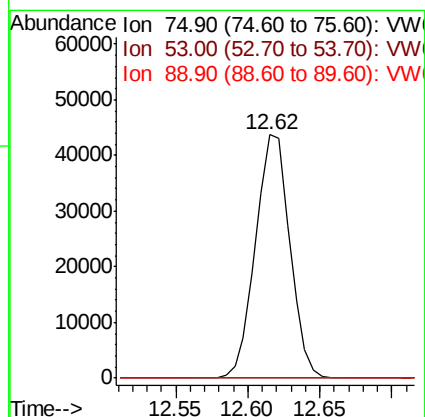
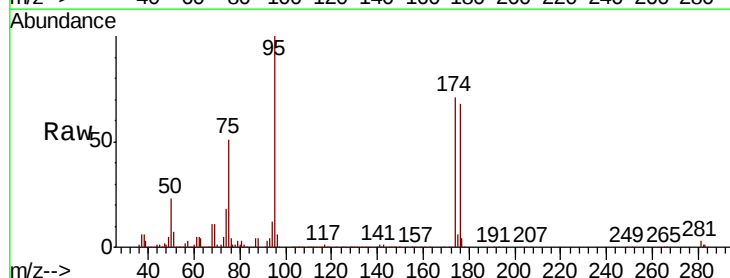
Tgt Ion: 75 Resp: 72116

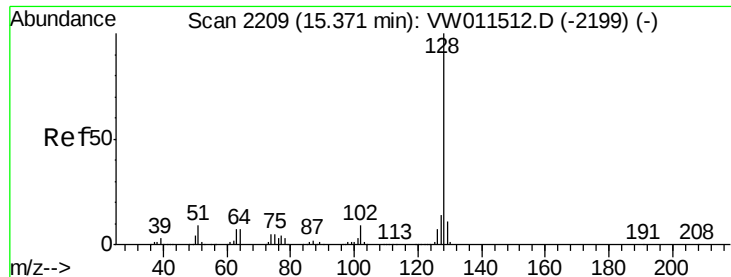
Ion Ratio Lower Upper

75 100

53 0.1 88.0 132.0#

89 0.0 35.3 52.9#

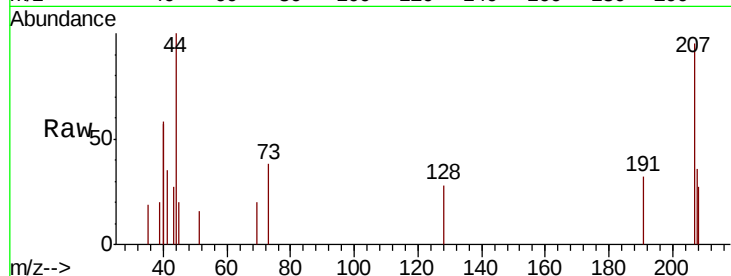




#95
Naphthalene
Concen: 2.105 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.01 min
Lab File: VW011729.D
Acq: 05 Aug 2019 23:50

Instrument :
MSVOA_W
ClientSampleId :
RBR-2000030

Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	16.0#
129	0.0	8.6	13.0#



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

