

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\WV110318\
 Data File : VW006588.D
 Acq On : 02 Nov 2018 05:28
 Operator : SY/AP
 Sample : J5377-01RE
 Misc : 6.32G/5ML/MSVOA_W/SOIL
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 RBR-200036RE

Quant Time: Nov 02 08:00:17 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

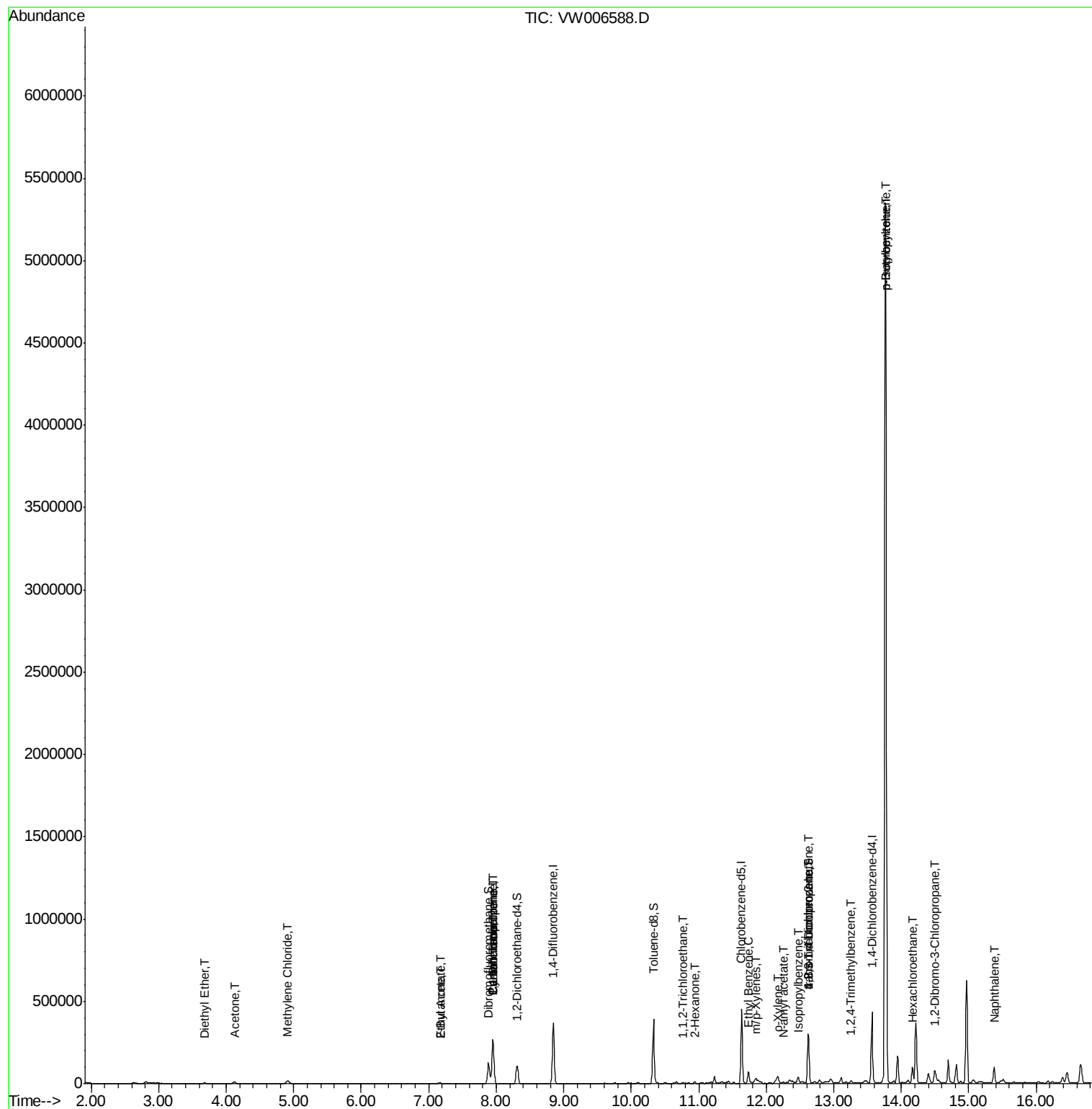
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	219225	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	338009	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	267679	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	125975	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	87940	46.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.34%	
35) Dibromofluoromethane	7.88	113	88261	41.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.22%	
50) Toluene-d8	10.33	98	265022	32.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	65.64%	
62) 4-Bromofluorobenzene	12.62	95	93259	31.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	63.70%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.67	74	1958	2.066	ug/l	84
16) Acetone	4.12	43	18678	61.392	ug/l	98
20) Methylene Chloride	4.91	84	15354	2.060	ug/l	97
25) 2-Butanone	7.17	43	3606	8.306	ug/l #	88
31) Cyclohexane	7.95	56	3774	1.257	ug/l #	18
36) 1,1-Dichloropropene	7.95	75	13849	4.659	ug/l #	49
37) Ethyl Acetate	7.17	43	3606	3.501	ug/l #	66
38) Carbon Tetrachloride	7.95	117	19201	6.182	ug/l #	16
55) 1,1,2-Trichloroethane	10.77	97	2093	1.277	ug/l #	22
59) 2-Hexanone	10.93	43	3711	5.176	ug/l #	25
67) Ethyl Benzene	11.73	91	49064	5.211	ug/l	94
68) m/p-Xylenes	11.84	106	9224	2.452	ug/l	95
69) o-Xylene	12.17	106	10610	2.963	ug/l	97
73) Isopropylbenzene	12.47	105	16913	2.038	ug/l	98
74) N-amyl acetate	12.26	43	2236	1.559	ug/l #	40
76) 1,2,3-Trichloropropane	12.62	75	45299	46.087	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	45299	115.663	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.26	105	8824	1.234	ug/l	96
86) p-Isopropyltoluene	13.77	119	149310	18.844	ug/l #	1
89) n-Butylbenzene	13.77	91	441230	62.733	ug/l #	42
90) Hexachloroethane	14.16	117	43011	33.029	ug/l #	3
92) 1,2-Dibromo-3-Chloropropan	14.49	75	1943	9.136	ug/l #	1
95) Naphthalene	15.38	128	87099	19.148	ug/l	100

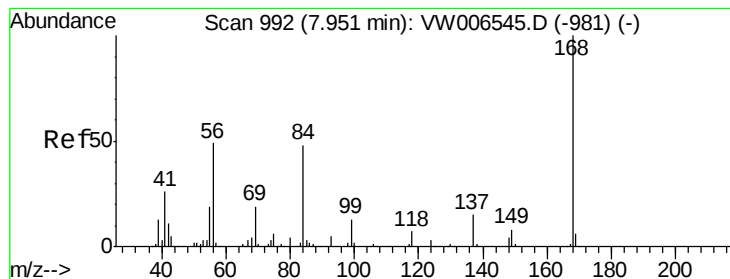
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W110218S.M
Quant Title : SW846 8260
QLast Update : Thu Nov 01 03:48:08 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW006588.D

Acq: 02 Nov 2018 05:28

Instrument :

MSVOA_W

ClientSampleId :

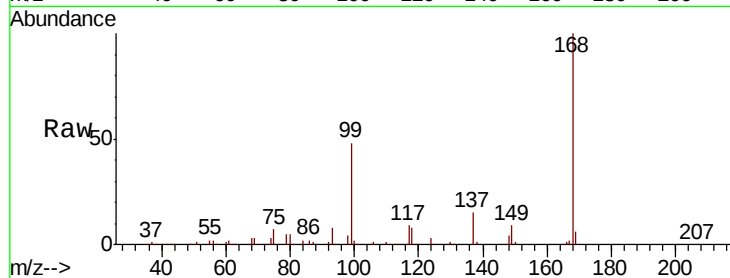
RBR-200036RE

Tgt Ion:168 Resp: 219225

Ion Ratio Lower Upper

168 100

99 48.1 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

100000

80000

60000

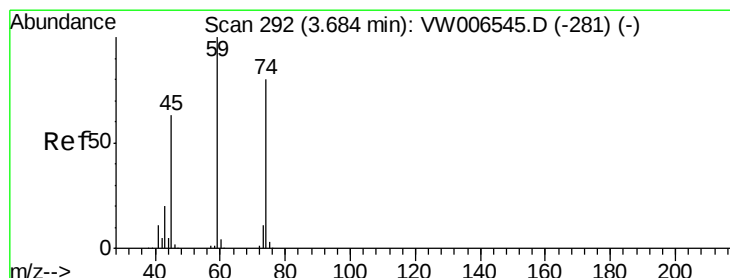
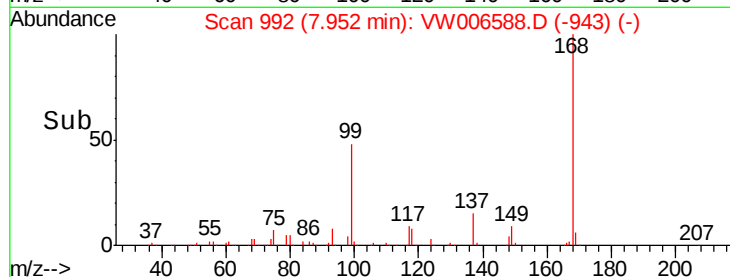
40000

20000

0

Time-->

7.90 8.00 8.10



#8

Diethyl Ether

Concen: 2.066 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW006588.D

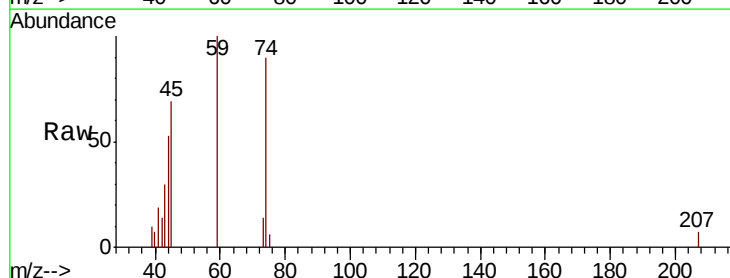
Acq: 02 Nov 2018 05:28

Tgt Ion: 74 Resp: 1958

Ion Ratio Lower Upper

74 100

45 96.7 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

1000

800

600

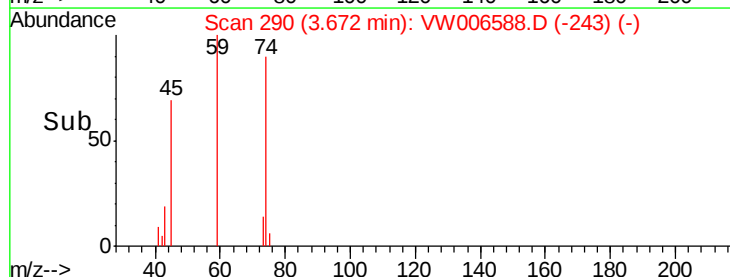
400

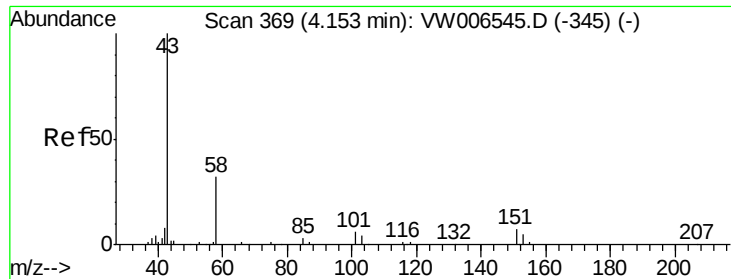
200

0

Time-->

3.60 3.65 3.70 3.75





#16

Acetone

Concen: 61.392 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.03 min

Lab File: VW006588.D

Acq: 02 Nov 2018 05:28

Instrument :

MSVOA_W

ClientSampleId :

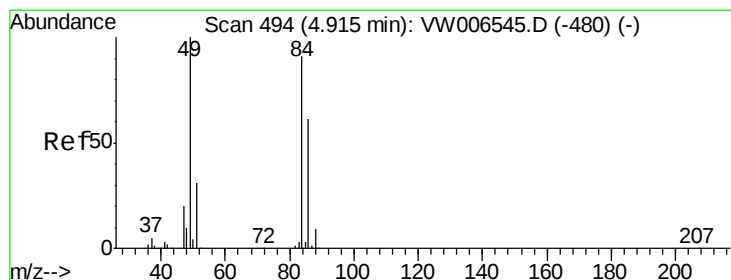
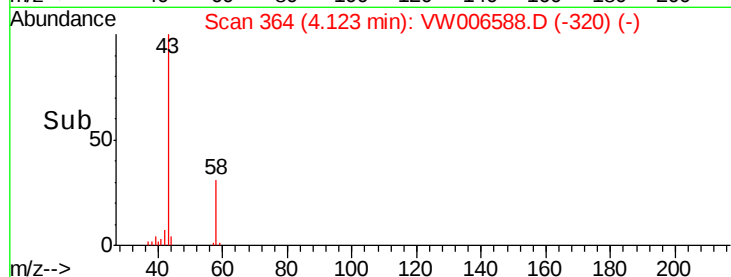
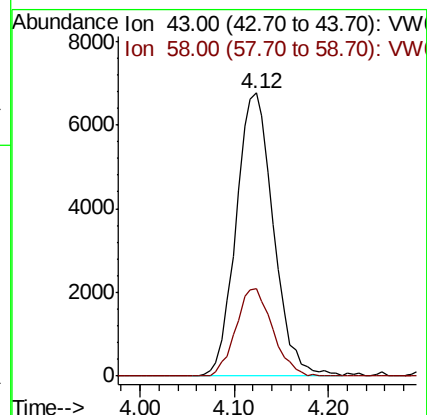
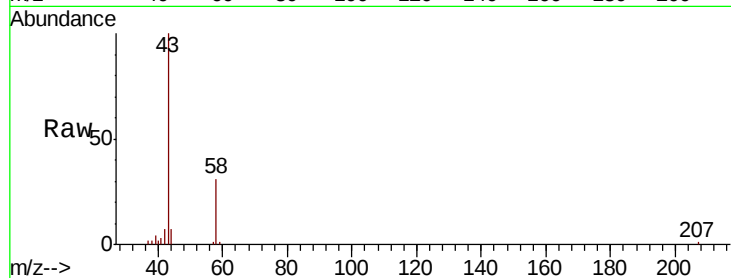
RBR-200036RE

Tgt Ion: 43 Resp: 18678

Ion Ratio Lower Upper

43 100

58 31.0 25.8 38.8



#20

Methylene Chloride

Concen: 2.060 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW006588.D

Acq: 02 Nov 2018 05:28

Tgt Ion: 84 Resp: 15354

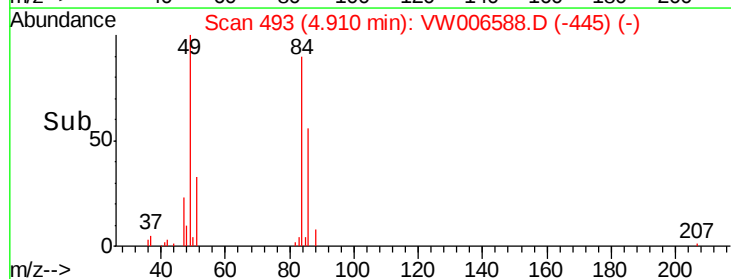
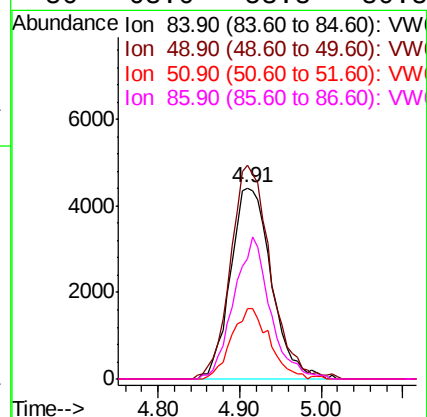
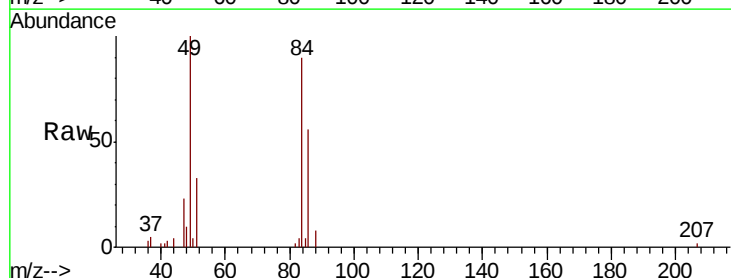
Ion Ratio Lower Upper

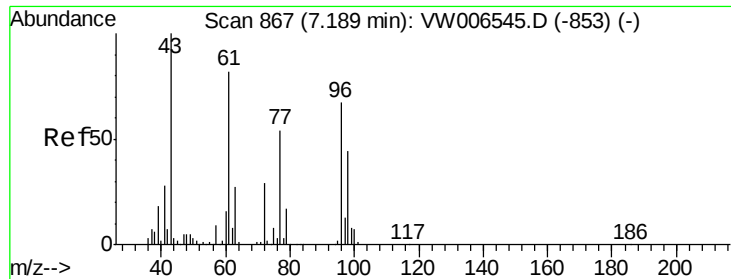
84 100

49 111.7 88.2 132.4

51 37.1 27.0 40.6

86 63.0 53.8 80.8

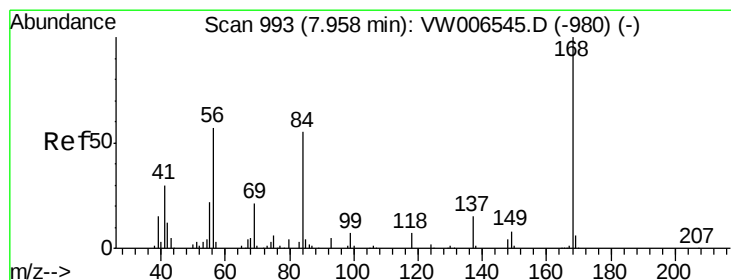
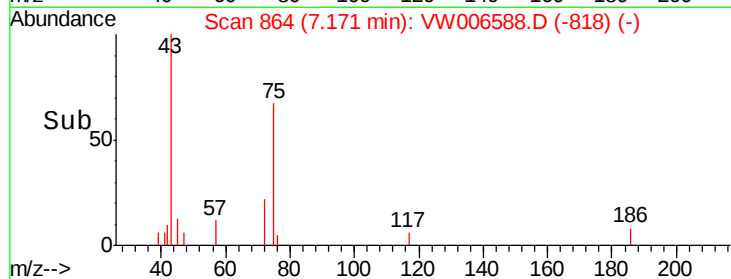
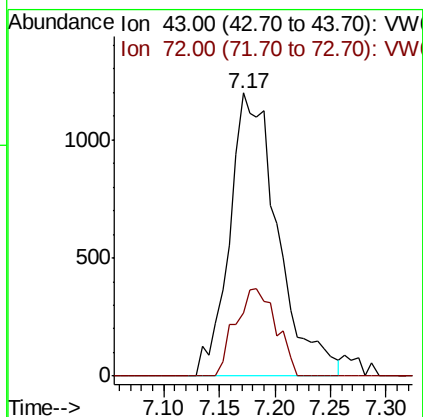
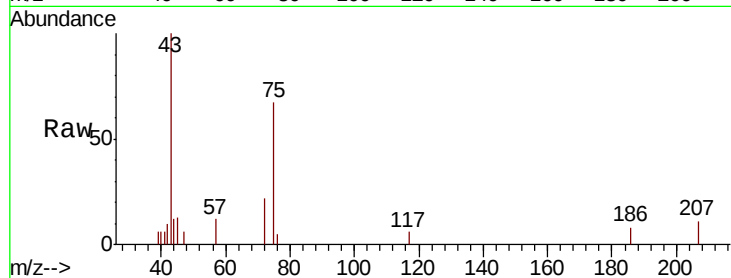




#25
2-Butanone
Concen: 8.306 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.02 min
Lab File: VW006588.D
Acq: 02 Nov 2018 05:28

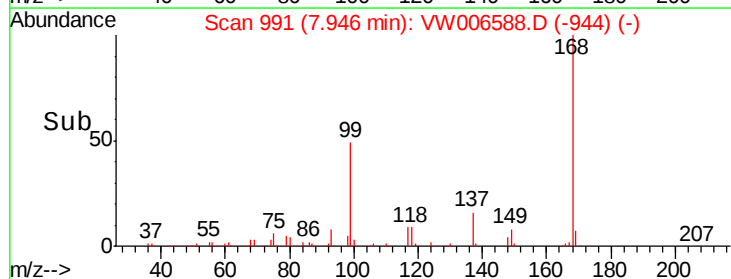
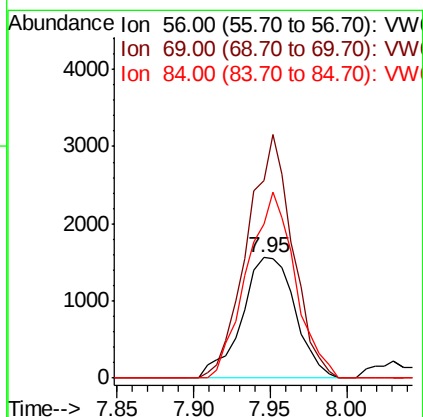
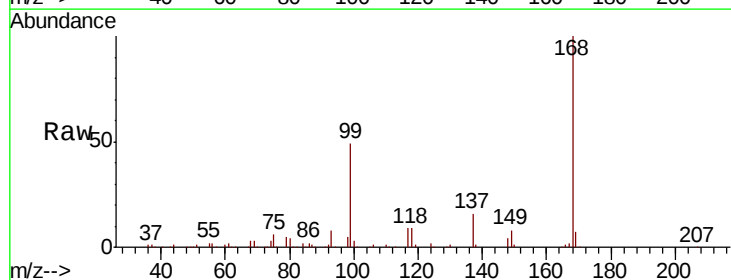
Instrument :
MSVOA_W
ClientSampleId :
RBR-200036RE

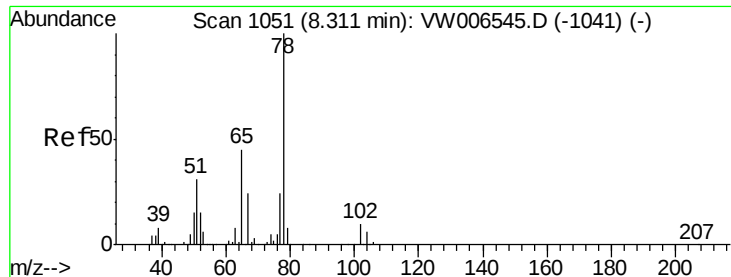
Tgt Ion: 43 Resp: 3606
Ion Ratio Lower Upper
43 100
72 22.4 23.2 34.8#



#31
Cyclohexane
Concen: 1.257 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW006588.D
Acq: 02 Nov 2018 05:28

Tgt Ion: 56 Resp: 3774
Ion Ratio Lower Upper
56 100
69 163.7 29.0 43.4#
84 128.0 77.8 116.6#





#33

1,2-Dichloroethane-d4

Concen: 46.666 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VW006588.D

Acq: 02 Nov 2018 05:28

Instrument :

MSVOA_W

ClientSampleId :

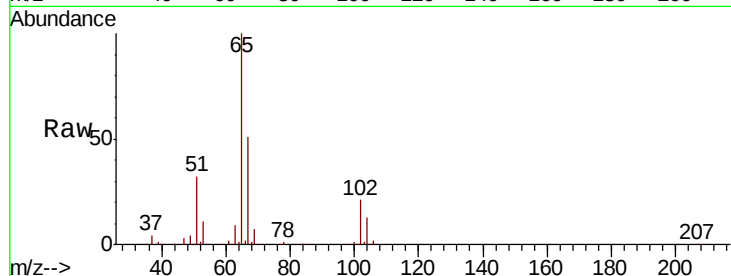
RBR-200036RE

Tgt Ion: 65 Resp: 87940

Ion Ratio Lower Upper

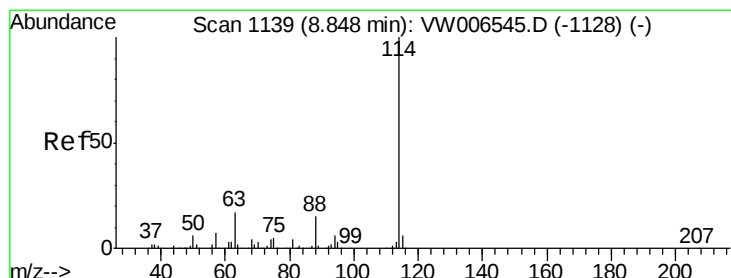
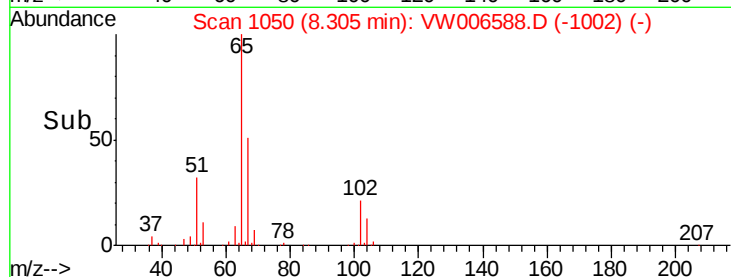
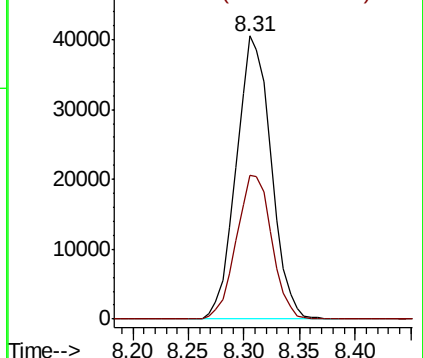
65 100

67 51.5 0.0 104.4



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: 8.85 min Scan# 1139

Delta R.T. 0.00 min

Lab File: VW006588.D

Acq: 02 Nov 2018 05:28

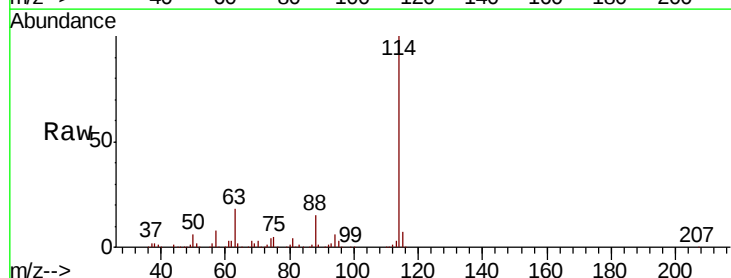
Tgt Ion: 114 Resp: 338009

Ion Ratio Lower Upper

114 100

63 18.0 0.0 34.4

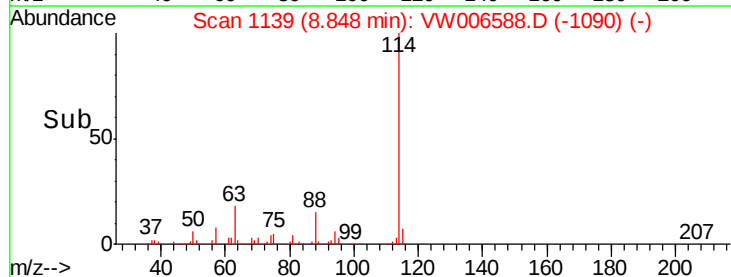
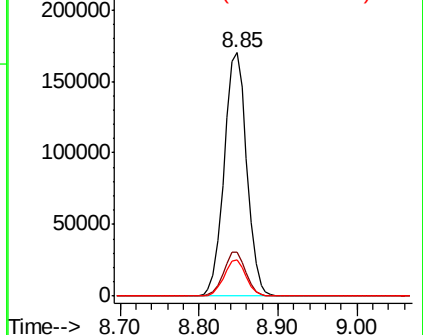
88 14.7 0.0 29.0

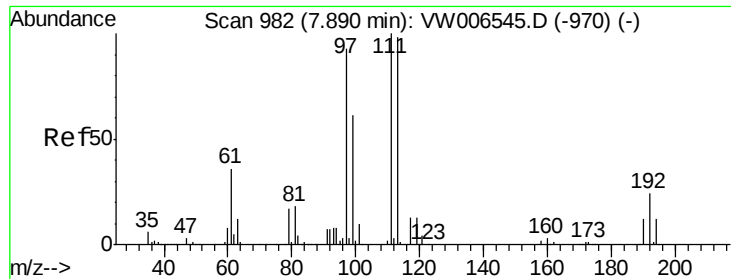


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

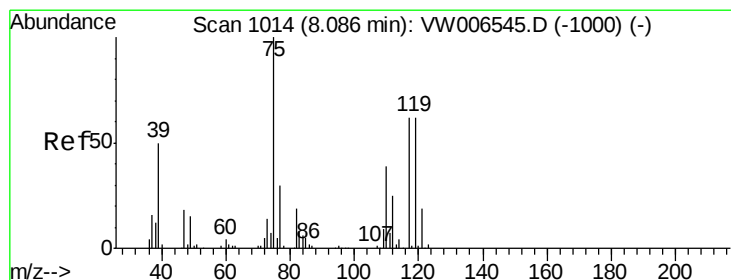
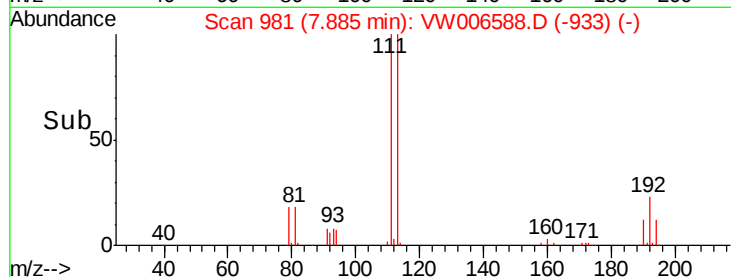
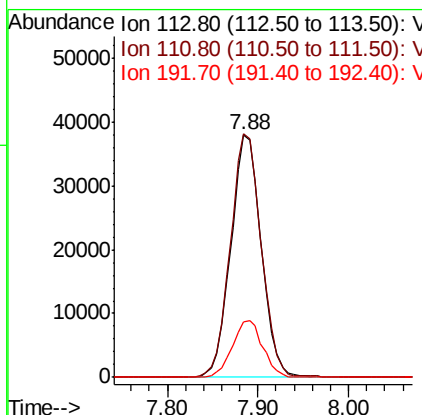
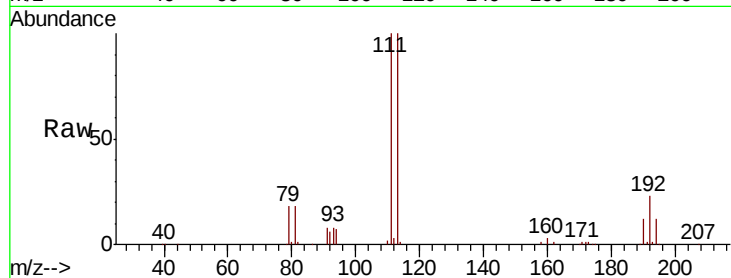




#35
 Dibromofluoromethane
 Concen: 41.608 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.01 min
 Lab File: VW006588.D
 Acq: 02 Nov 2018 05:28

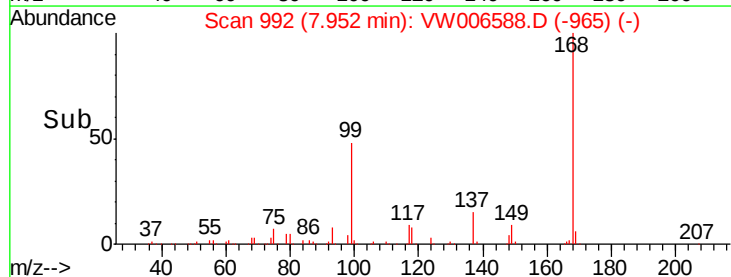
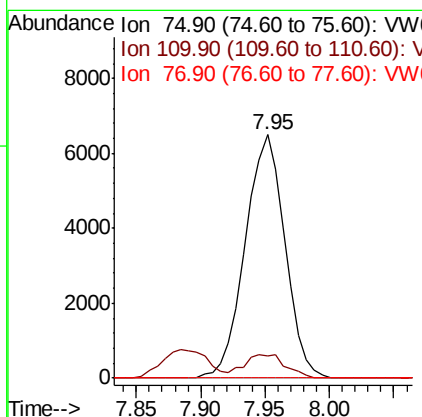
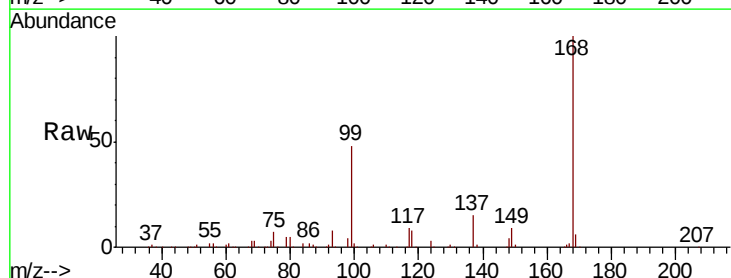
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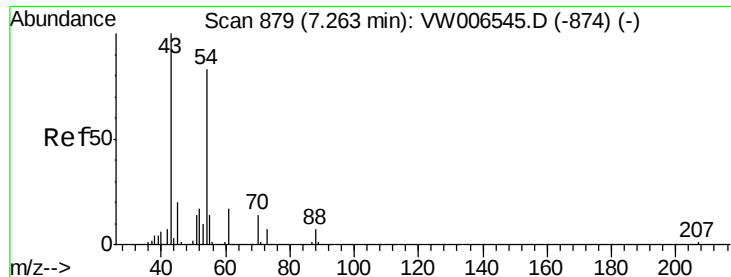
Tgt Ion:113 Resp: 88261
 Ion Ratio Lower Upper
 113 100
 111 102.0 82.2 123.2
 192 23.7 19.0 28.6



#36
 1,1-Dichloropropene
 Concen: 4.659 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW006588.D
 Acq: 02 Nov 2018 05:28

Tgt Ion: 75 Resp: 13849
 Ion Ratio Lower Upper
 75 100
 110 10.0 19.5 58.5#
 77 0.0 24.6 37.0#

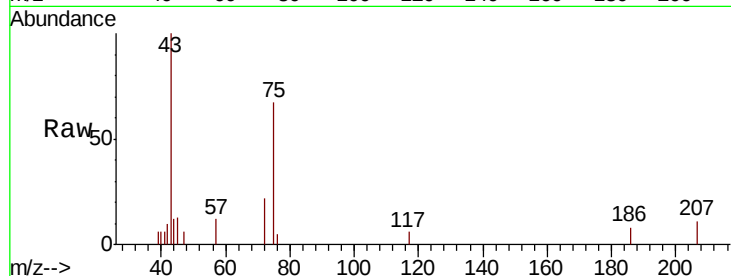




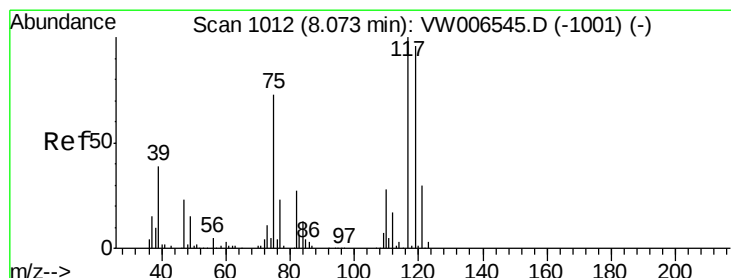
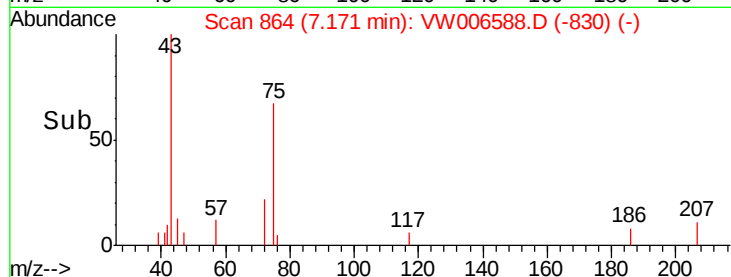
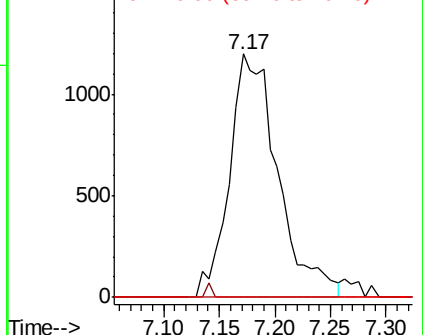
#37
Ethyl Acetate
Concen: 3.501 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.09 min
Lab File: VW006588.D
Acq: 02 Nov 2018 05:28

Instrument :
MSVOA_W
ClientSampleId :
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Tgt Ion: 43 Resp: 3606
Ion Ratio Lower Upper
43 100
61 0.0 12.1 18.1#
70 0.0 9.8 14.6#

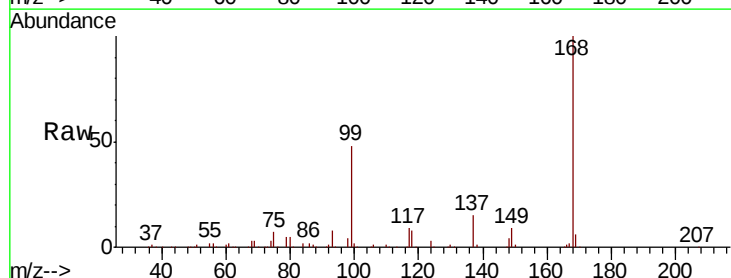


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 70.00 (69.70 to 70.70): VW

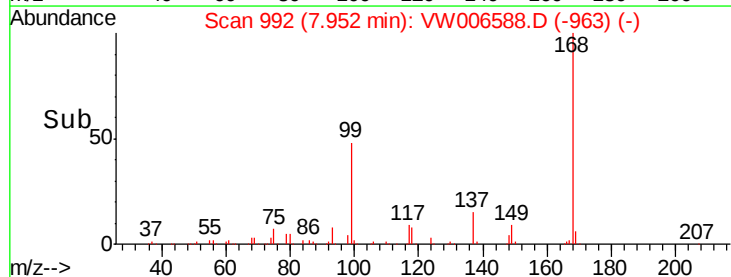
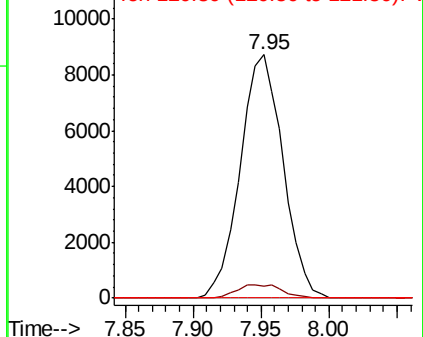


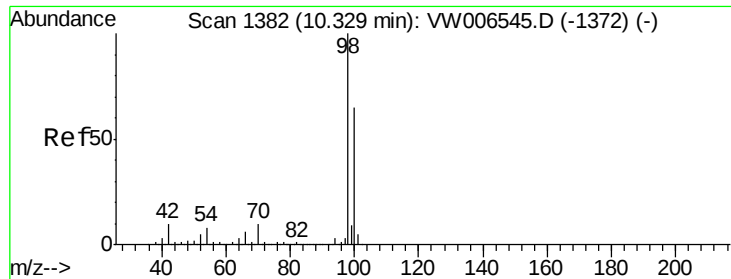
#38
Carbon Tetrachloride
Concen: 6.182 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW006588.D
Acq: 02 Nov 2018 05:28

Tgt Ion: 117 Resp: 19201
Ion Ratio Lower Upper
117 100
119 4.6 76.3 114.5#
121 0.0 24.1 36.1#



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





#50

Toluene-d8

Concen: 32.819 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW006588.D

Acq: 02 Nov 2018 05:28

Instrument :

MSVOA_W

ClientSampleId :

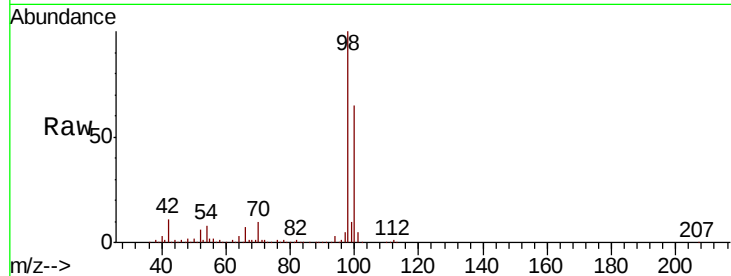
RBR-200036RE

Tgt Ion: 98 Resp: 265022

Ion Ratio Lower Upper

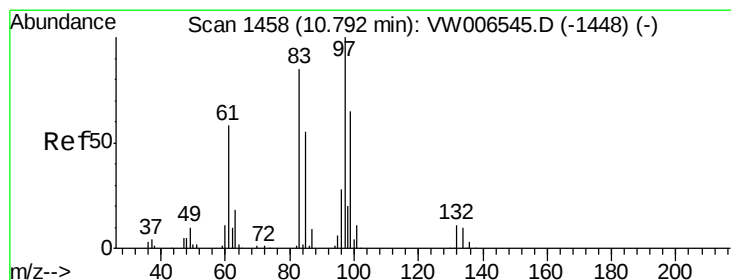
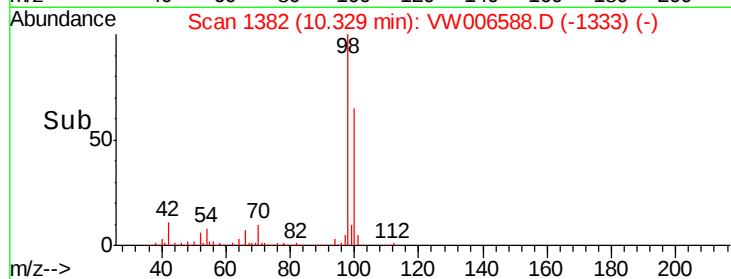
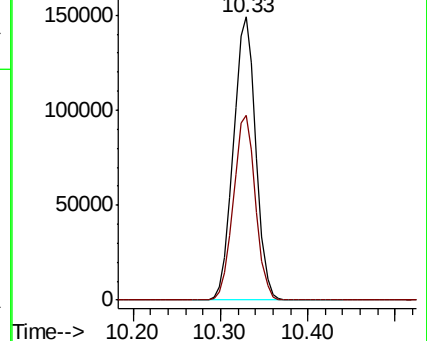
98 100

100 64.6 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#55

1,1,2-Trichloroethane

Concen: 1.277 ug/l

RT: 10.77 min Scan# 1454

Delta R.T. -0.02 min

Lab File: VW006588.D

Acq: 02 Nov 2018 05:28

Tgt Ion: 97 Resp: 2093

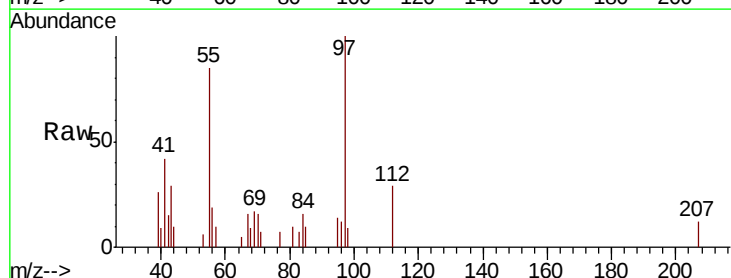
Ion Ratio Lower Upper

97 100

83 6.6 67.9 101.9#

85 10.1 44.0 66.0#

99 0.0 52.2 78.2#

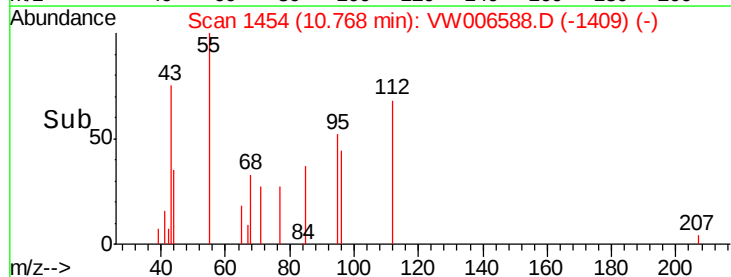
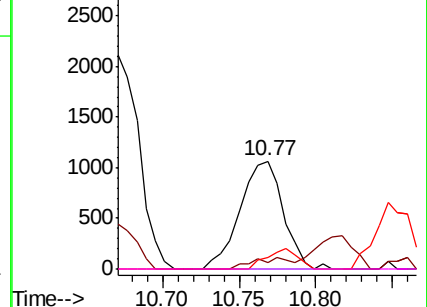


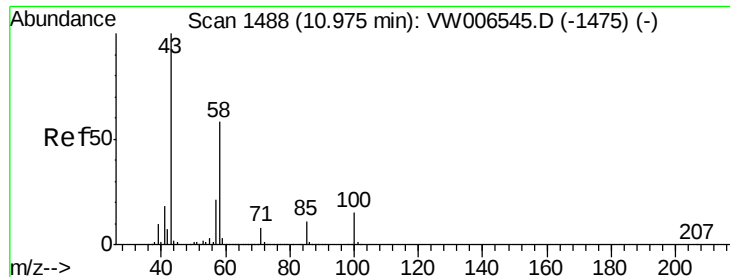
Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW

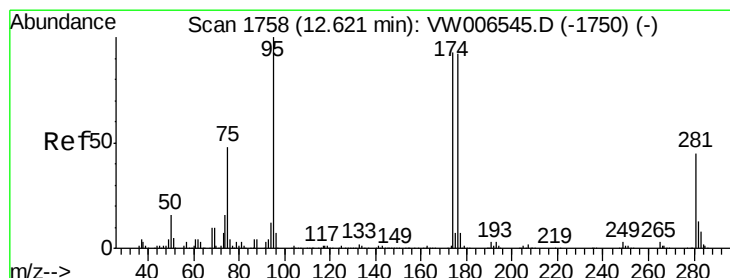
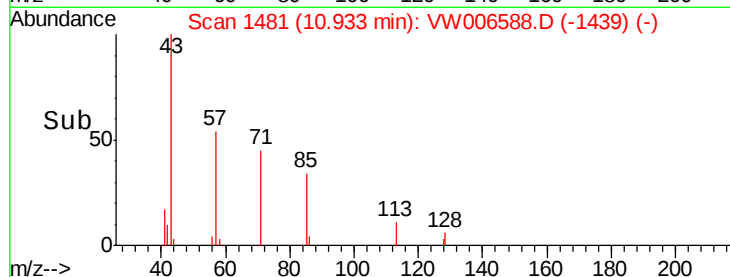
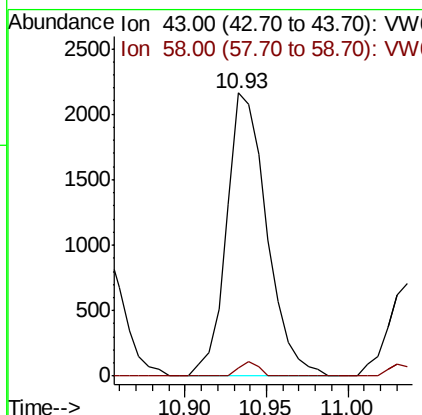
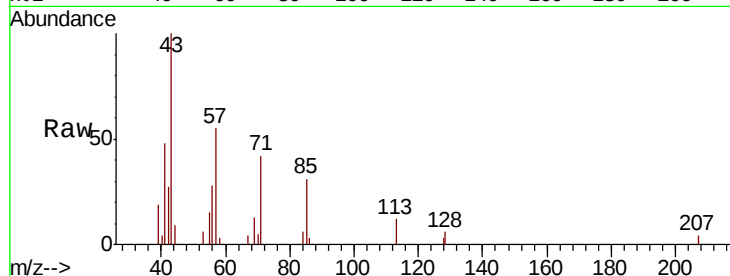




#59
2-Hexanone
Concen: 5.176 ug/l
RT: 10.93 min Scan# 1481
Delta R.T. -0.04 min
Lab File: VW006588.D
Acq: 02 Nov 2018 05:28

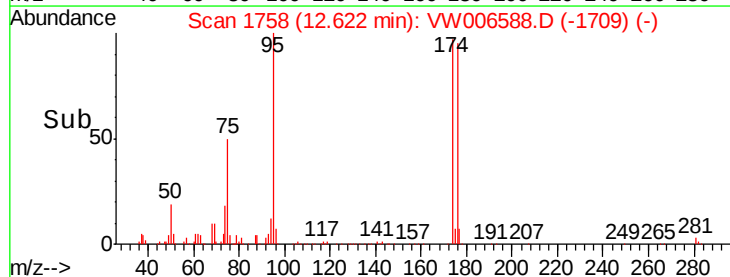
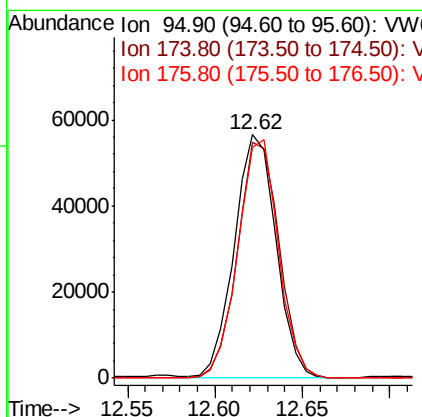
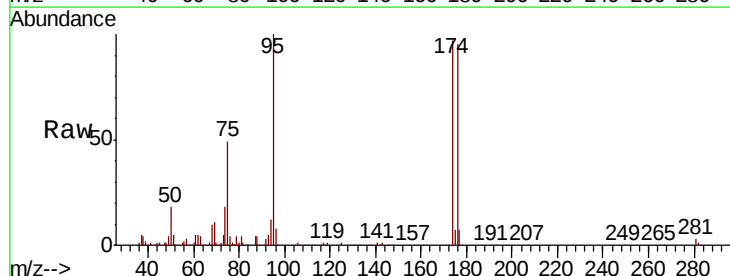
Instrument :
MSVOA_W
ClientSampleId :
RBR-200036RE

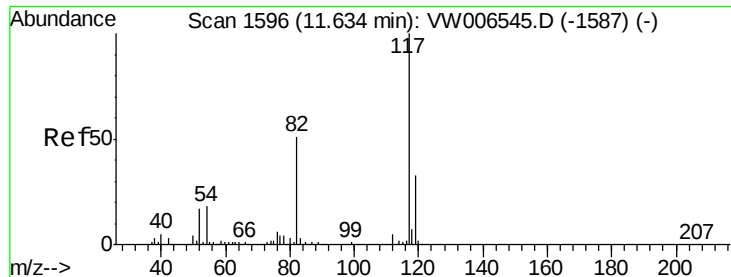
Tgt Ion: 43 Resp: 3711
Ion Ratio Lower Upper
43 100
58 2.4 28.8 86.4#



#62
4-Bromofluorobenzene
Concen: 31.855 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW006588.D
Acq: 02 Nov 2018 05:28

Tgt Ion: 95 Resp: 93259
Ion Ratio Lower Upper
95 100
174 97.3 0.0 192.4
176 95.5 0.0 187.4

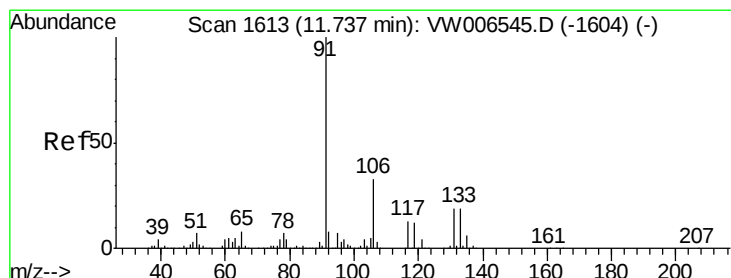
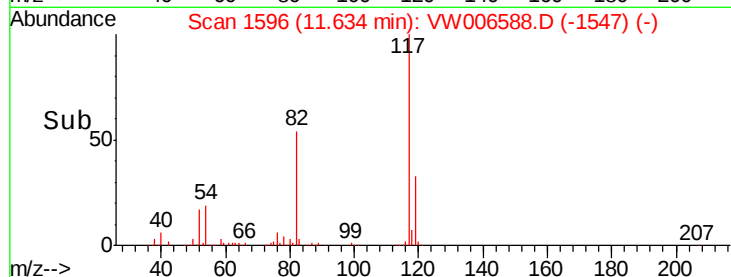
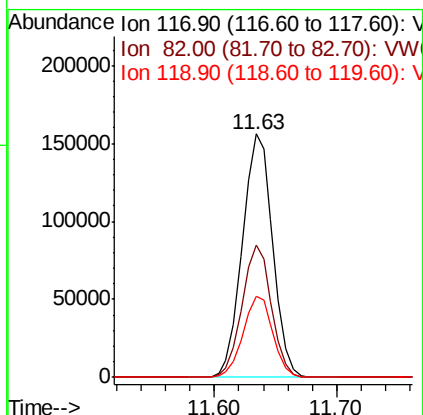
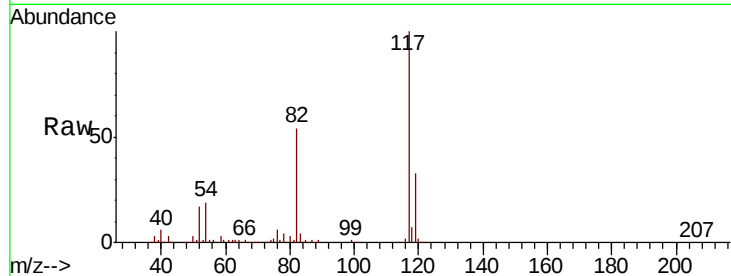




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW006588.D
Acq: 02 Nov 2018 05:28

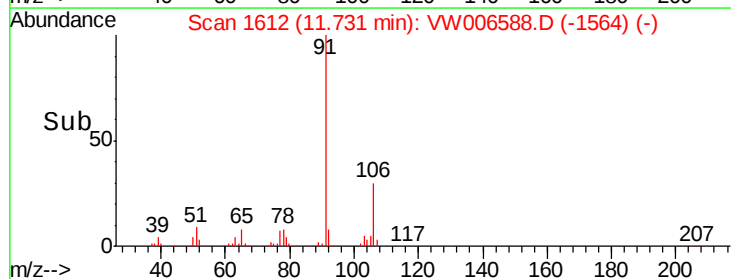
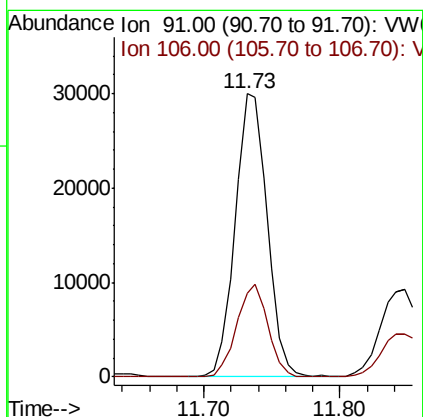
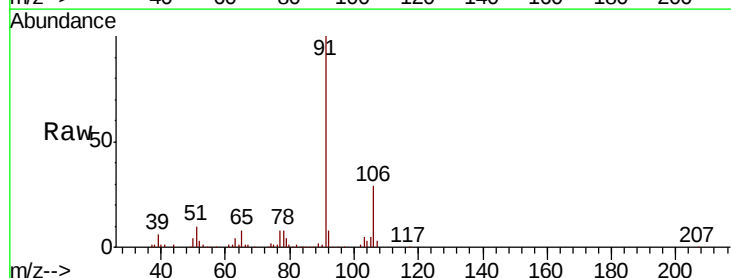
Instrument :
MSVOA_W
ClientSampleId :
RBR-200036RE

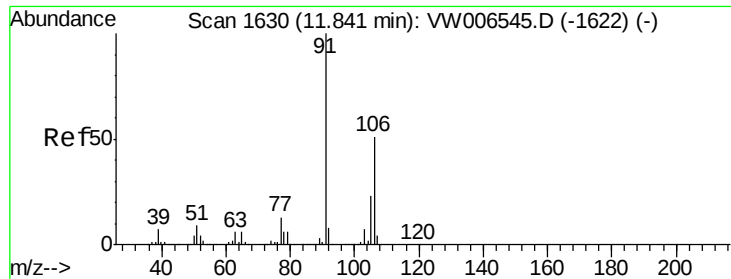
Tgt Ion: 117 Resp: 267679
Ion Ratio Lower Upper
117 100
82 54.3 40.8 61.2
119 33.4 26.1 39.1



#67
Ethyl Benzene
Concen: 5.211 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.01 min
Lab File: VW006588.D
Acq: 02 Nov 2018 05:28

Tgt Ion: 91 Resp: 49064
Ion Ratio Lower Upper
91 100
106 29.4 26.3 39.5

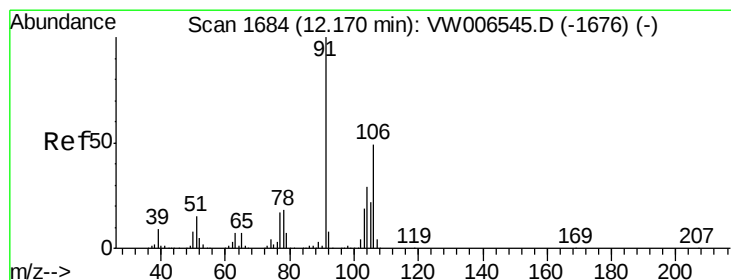
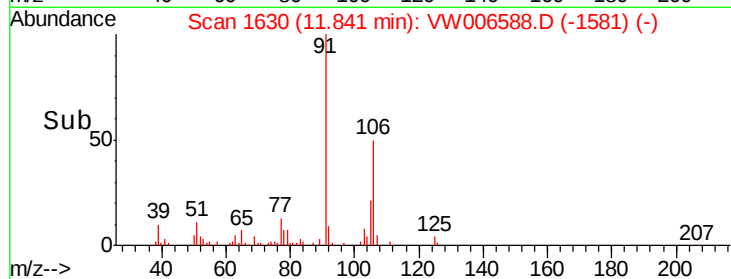
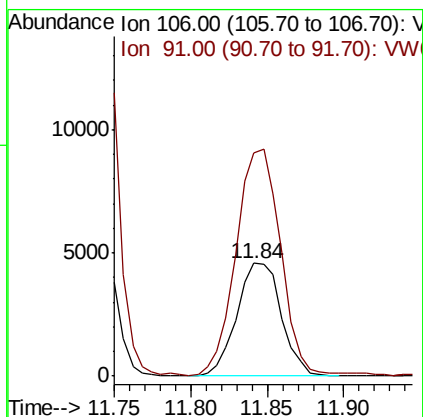
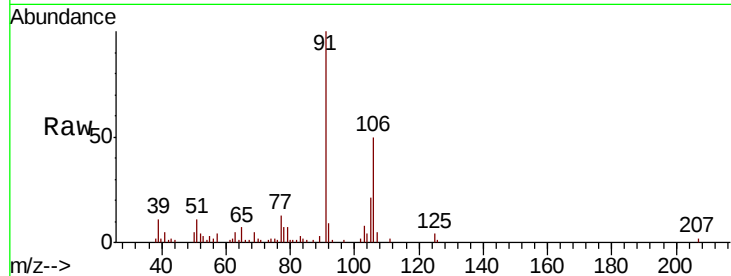




#68
m/p-Xylenes
Concen: 2.452 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW006588.D
Acq: 02 Nov 2018 05:28

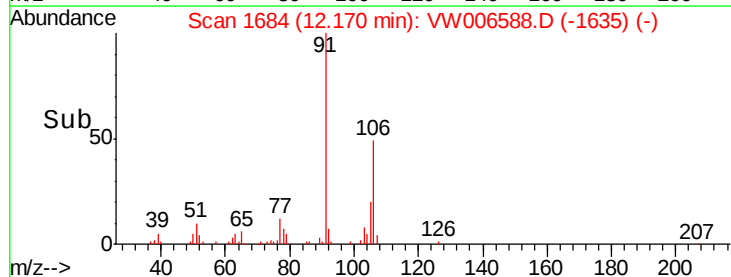
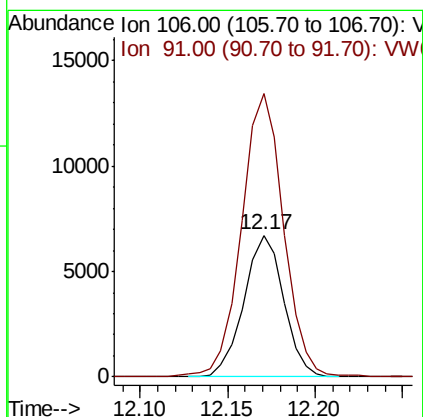
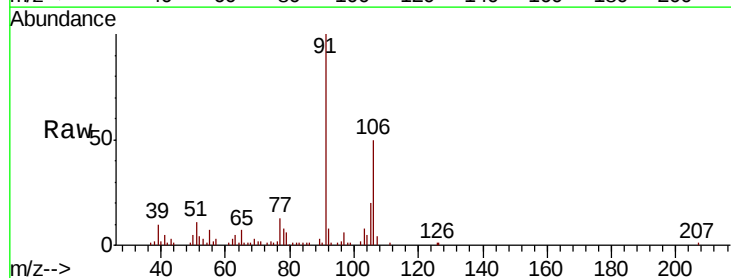
Instrument :
MSVOA_W
ClientSampleId :
RBR-200036RE

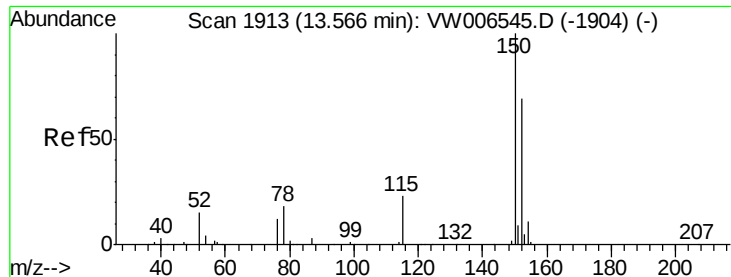
Tgt Ion:106 Resp: 9224
Ion Ratio Lower Upper
106 100
91 203.0 156.7 235.1



#69
o-Xylene
Concen: 2.963 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW006588.D
Acq: 02 Nov 2018 05:28

Tgt Ion:106 Resp: 10610
Ion Ratio Lower Upper
106 100
91 211.0 102.8 308.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. 0.00 min

Lab File: VW006588.D

Acq: 02 Nov 2018 05:28

Instrument :

MSVOA_W

ClientSampleId :

RBR-200036RE

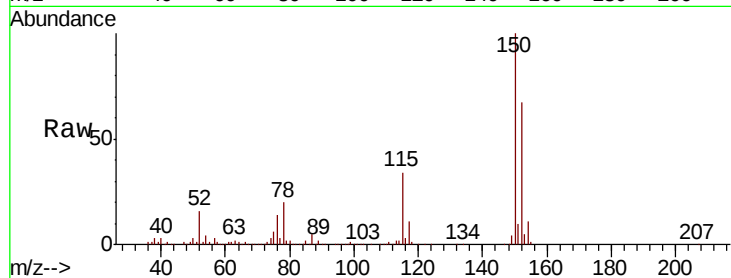
Tgt Ion:152 Resp: 125975

Ion Ratio Lower Upper

152 100

115 54.6 26.6 79.8

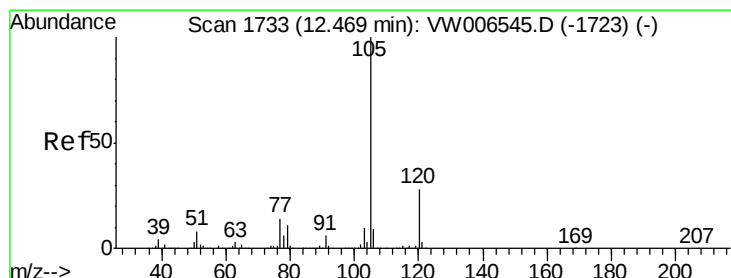
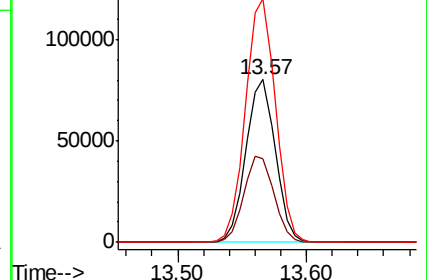
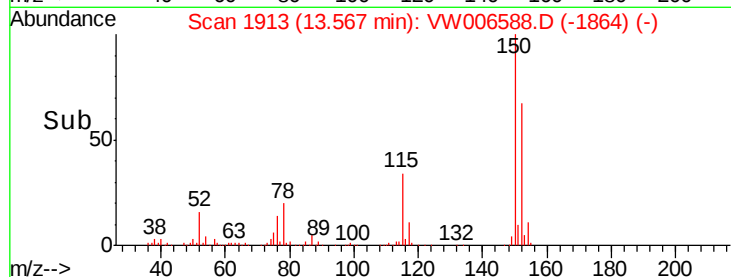
150 152.7 0.0 344.6



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



#73

Isopropylbenzene

Concen: 2.038 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW006588.D

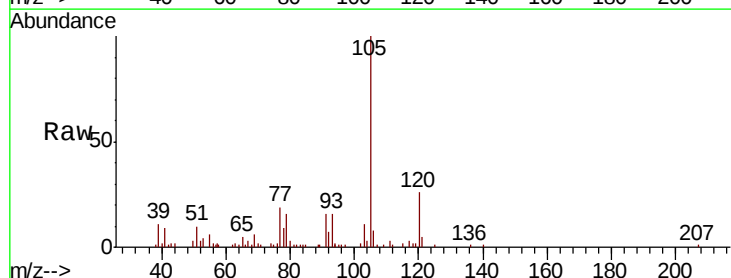
Acq: 02 Nov 2018 05:28

Tgt Ion:105 Resp: 16913

Ion Ratio Lower Upper

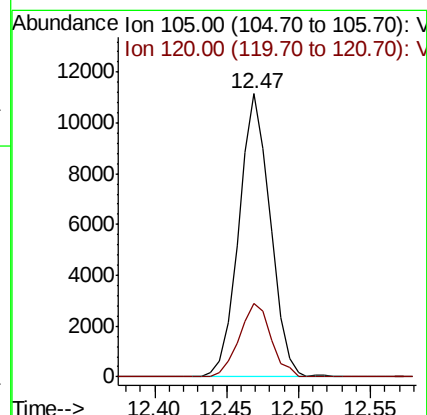
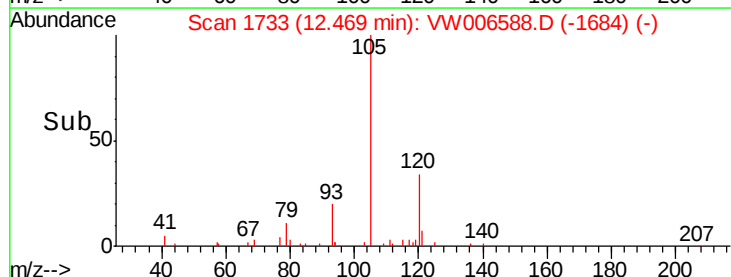
105 100

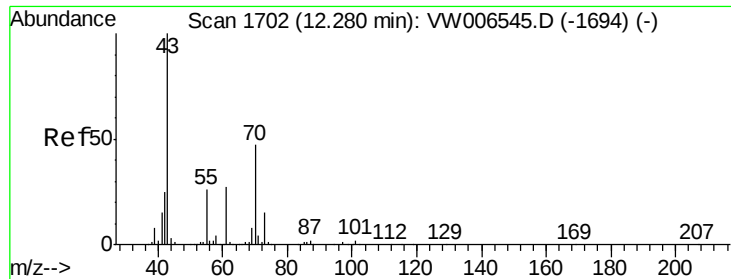
120 26.3 13.7 41.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

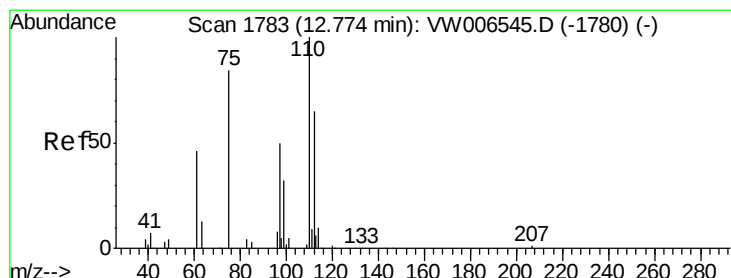
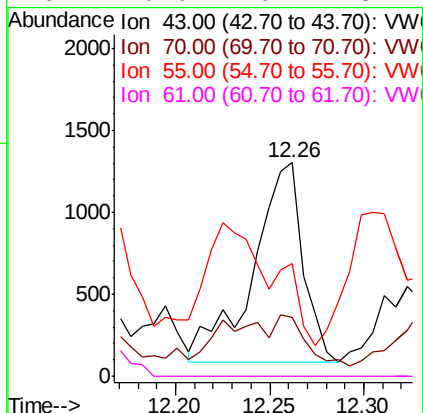
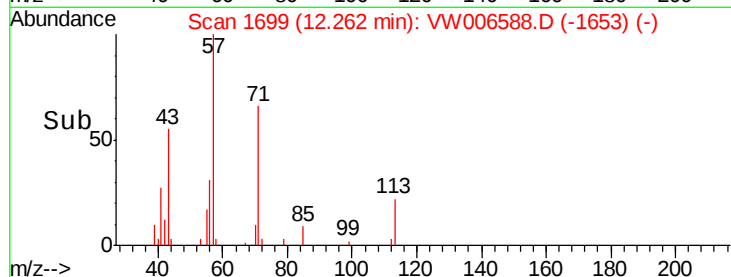
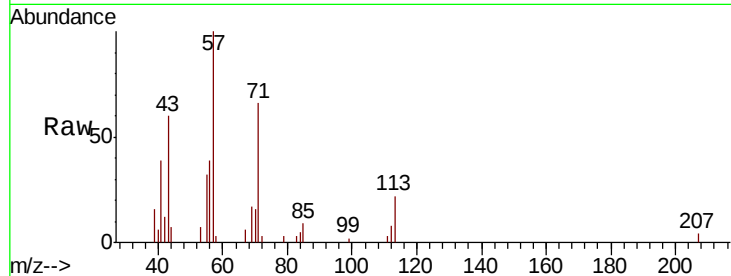




#74
N-ethyl acetate
Concen: 1.559 ug/l
RT: 12.26 min Scan# 1699
Delta R.T. -0.02 min
Lab File: VW006588.D
Acq: 02 Nov 2018 05:28

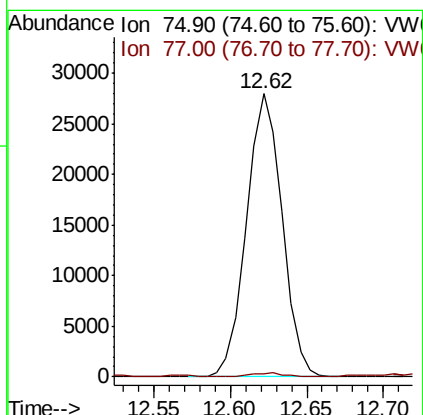
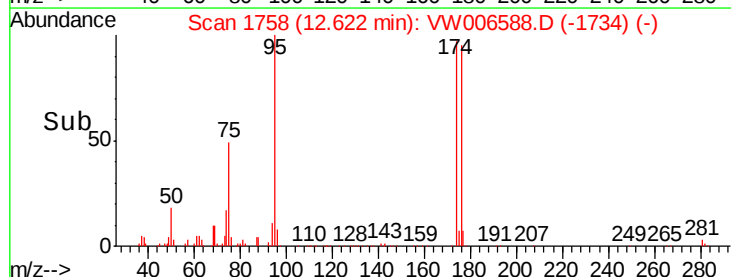
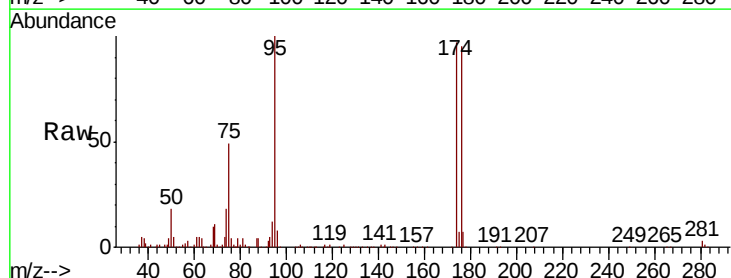
Instrument :
MSVOA_W
ClientSampleId :
RBR-200036RE

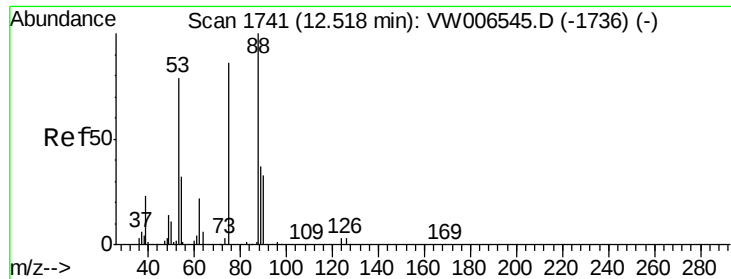
Tgt Ion: 43 Resp: 2236
Ion Ratio Lower Upper
43 100
70 0.0 36.9 55.3#
55 0.0 20.7 31.1#
61 0.0 20.7 31.1#



#76
1,2,3-Trichloropropane
Concen: 46.087 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.15 min
Lab File: VW006588.D
Acq: 02 Nov 2018 05:28

Tgt Ion: 75 Resp: 45299
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#

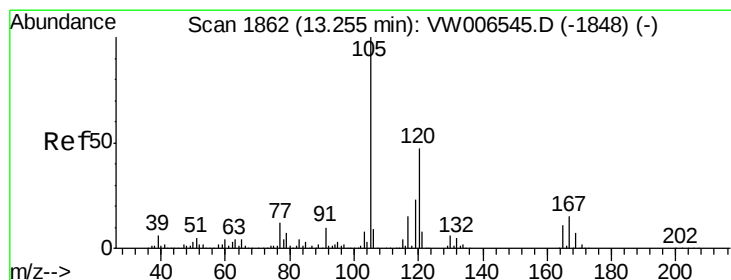
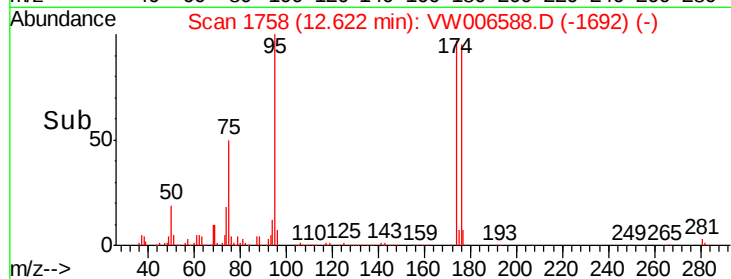
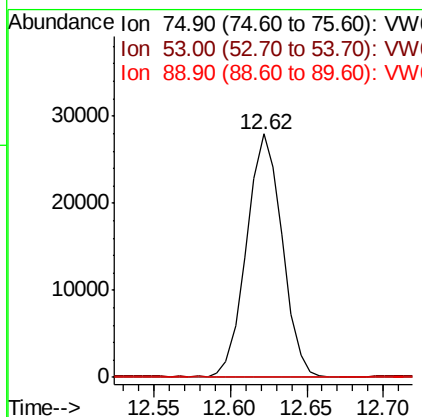
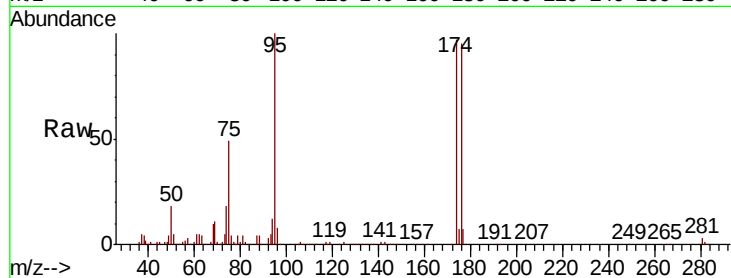




#81
trans-1,4-Dichloro-2-butene
Concen: 115.663 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.10 min
Lab File: VW006588.D
Acq: 02 Nov 2018 05:28

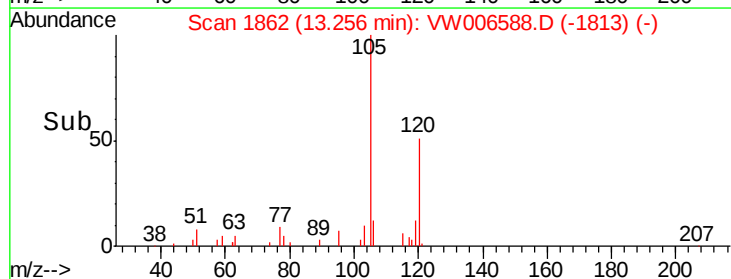
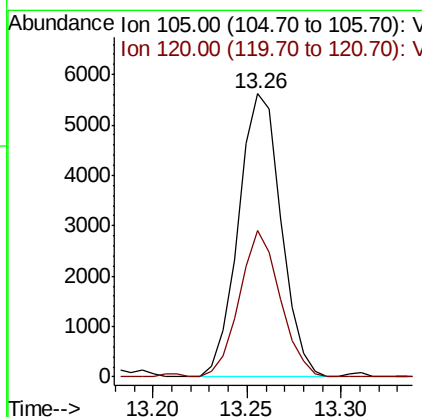
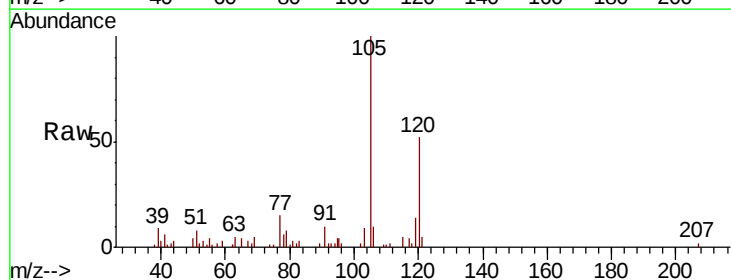
Instrument :
MSVOA_W
ClientSampleId :
RBR-200036RE

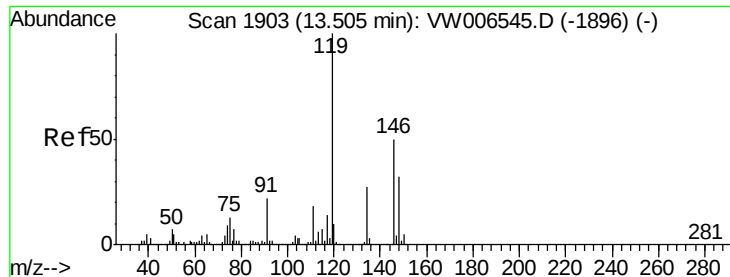
Tgt Ion: 75 Resp: 45299
Ion Ratio Lower Upper
75 100
53 0.5 77.2 115.8#
89 0.1 38.6 58.0#



#84
1,2,4-Trimethylbenzene
Concen: 1.234 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW006588.D
Acq: 02 Nov 2018 05:28

Tgt Ion: 105 Resp: 8824
Ion Ratio Lower Upper
105 100
120 49.3 23.2 69.6

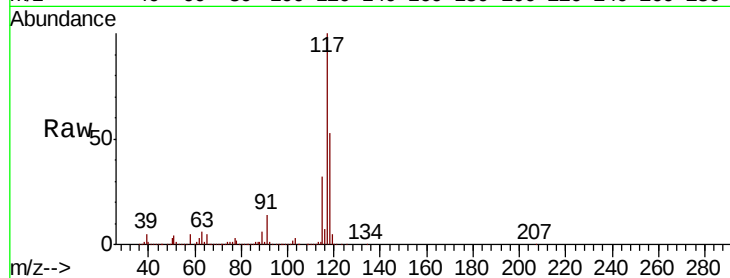




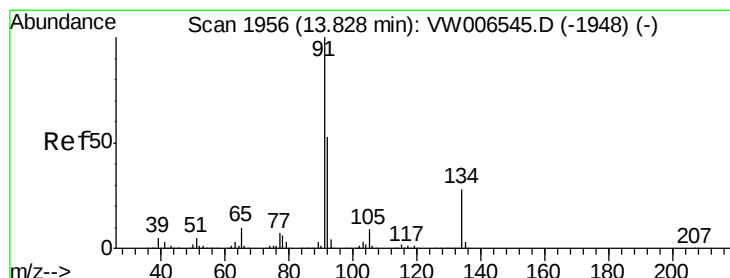
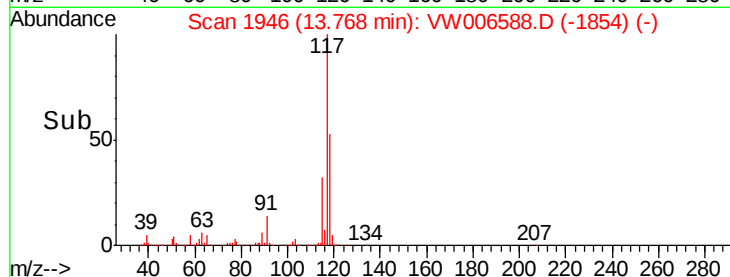
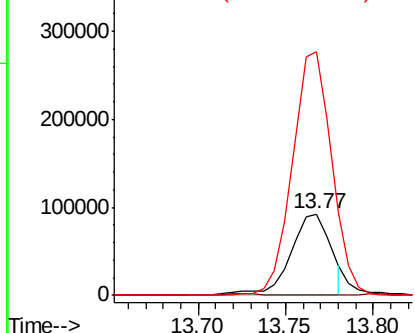
#86
p-Isopropyltoluene
Concen: 18.844 ug/l
RT: 13.77 min Scan# 1946
Delta R.T. 0.26 min
Lab File: VW006588.D
Acq: 02 Nov 2018 05:28

Instrument :
MSVOA_W
ClientSampleId :
RBR-200036RE

Tgt Ion: 119 Resp: 149310
Ion Ratio Lower Upper
119 100
134 0.0 13.6 40.7#
91 282.7 10.9 32.6#

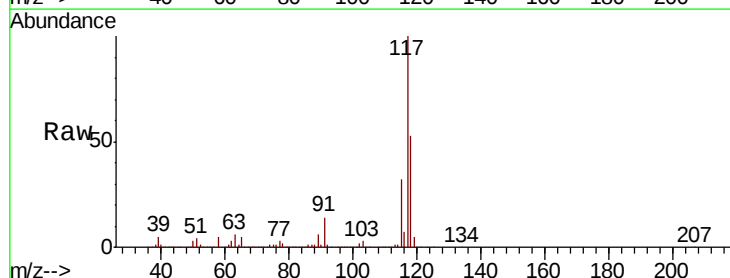


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): V

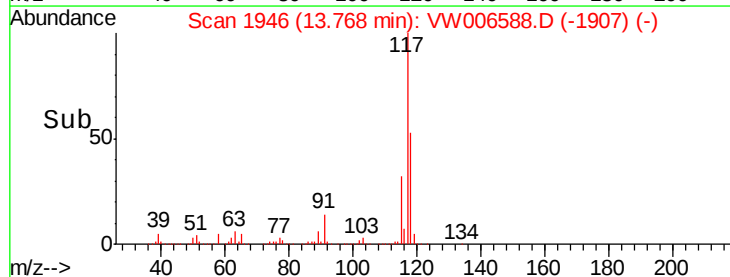
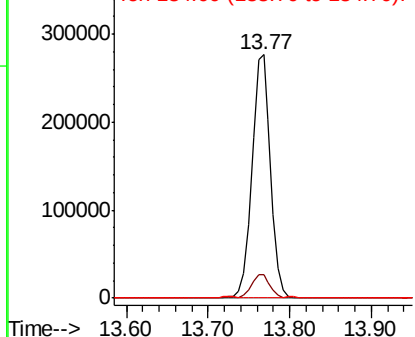


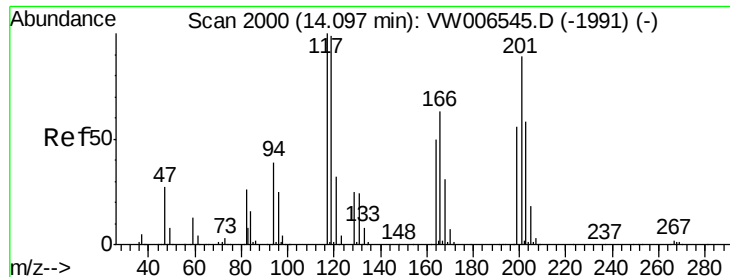
#89
n-Butylbenzene
Concen: 62.733 ug/l
RT: 13.77 min Scan# 1946
Delta R.T. -0.06 min
Lab File: VW006588.D
Acq: 02 Nov 2018 05:28

Tgt Ion: 91 Resp: 441230
Ion Ratio Lower Upper
91 100
92 9.9 26.4 79.0#
134 0.0 14.3 42.9#



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 92.00 (91.70 to 92.70): V
Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 33.029 ug/l

RT: 14.16 min Scan# 2011

Delta R.T. 0.07 min

Lab File: VW006588.D

Acq: 02 Nov 2018 05:28

Instrument :

MSVOA_W

ClientSampled :

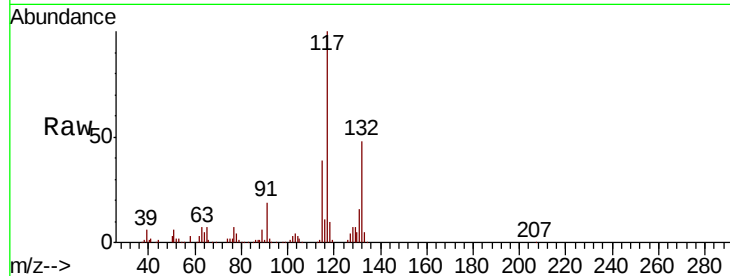
RBR-200036RE

Tgt Ion:117 Resp: 43011

Ion Ratio Lower Upper

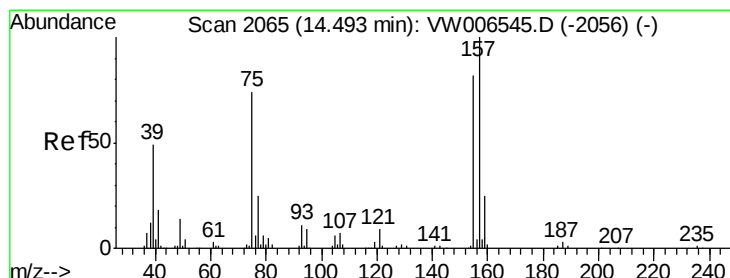
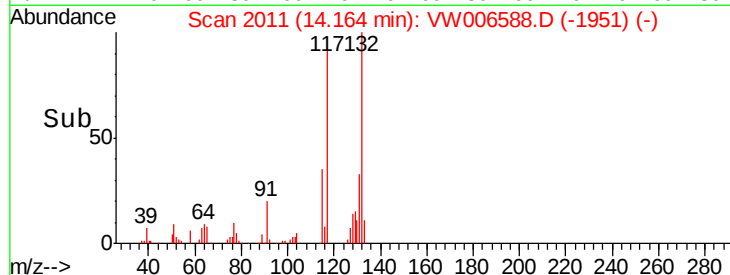
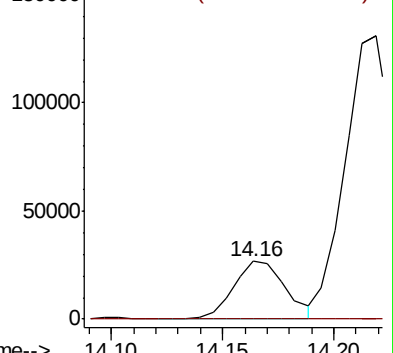
117 100

201 0.0 46.8 140.3#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 9.136 ug/l

RT: 14.49 min Scan# 2065

Delta R.T. 0.00 min

Lab File: VW006588.D

Acq: 02 Nov 2018 05:28

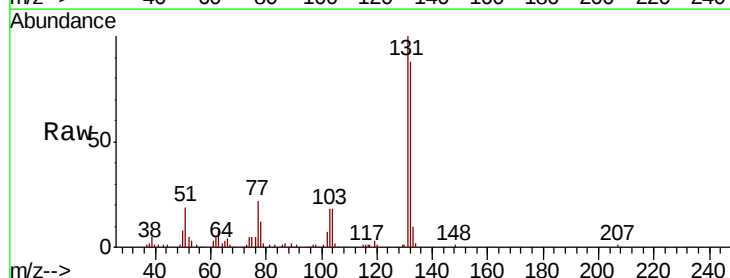
Tgt Ion: 75 Resp: 1943

Ion Ratio Lower Upper

75 100

155 0.0 50.6 151.8#

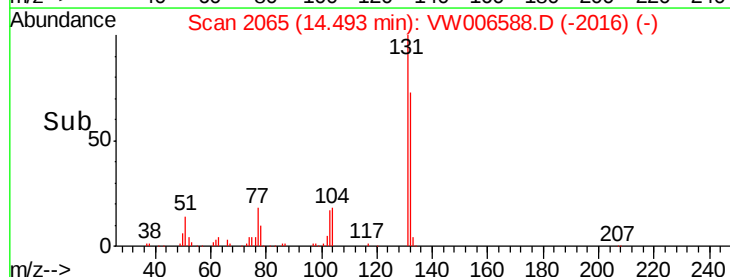
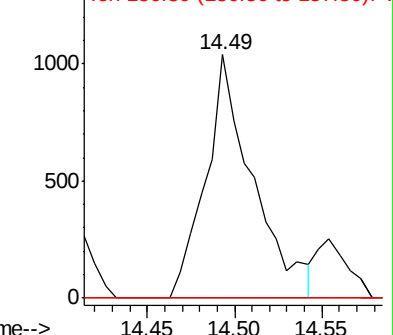
157 0.0 65.0 195.0#

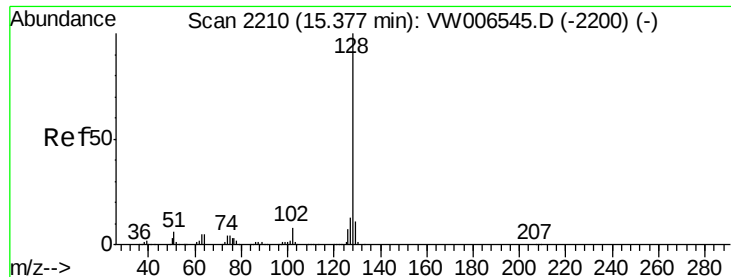


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

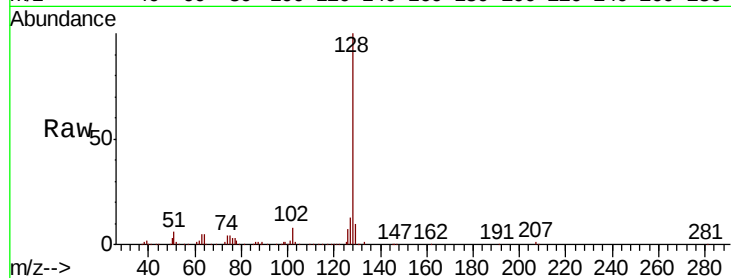




#95
Naphthalene
Concen: 19.148 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW006588.D
Acq: 02 Nov 2018 05:28

Instrument :
MSVOA_W
ClientSampleId :
RBR-200036RE

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	11.0	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

