

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092419\
 Data File : VW013283.D
 Acq On : 24 Sep 2019 18:14
 Operator : SY/VA
 Sample : K5021-01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 RT-1488-RBR200031-RBR200036

Quant Time: Sep 25 07:12:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	346557	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	510639	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	426918	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	177708	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	145944	51.60	ug/l	0.00
Spiked Amount			Recovery	=	103.20%	
35) Dibromofluoromethane	7.88	113	141034	50.22	ug/l	0.00
Spiked Amount			Recovery	=	100.44%	
50) Toluene-d8	10.32	98	593701	50.51	ug/l	0.00
Spiked Amount			Recovery	=	101.02%	
62) 4-Bromofluorobenzene	12.62	95	181027	45.09	ug/l	0.00
Spiked Amount			Recovery	=	90.18%	

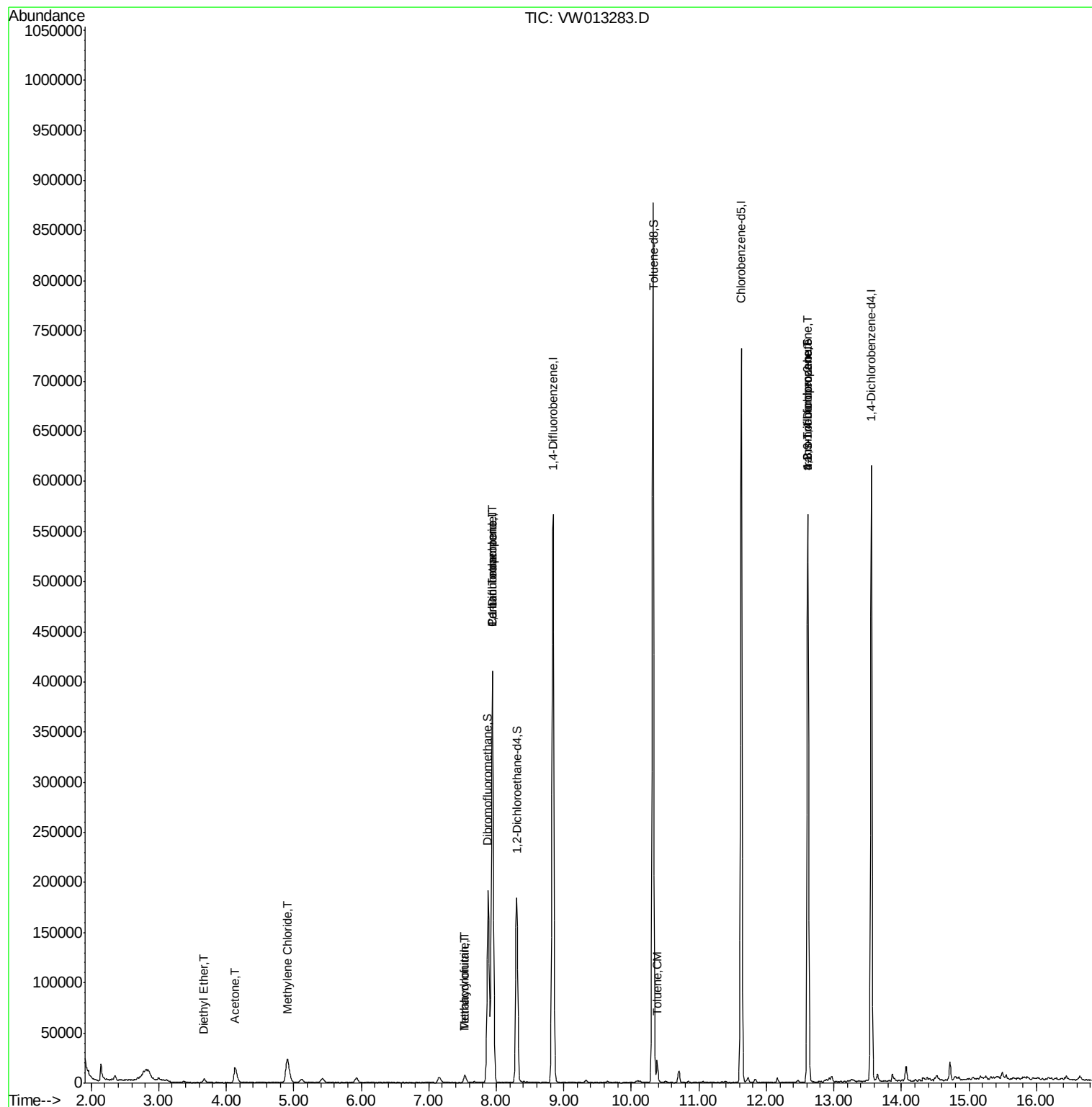
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.67	74	1899	1.164	ug/l	62
11) Tert butyl alcohol	5.19	59	289	Below Cal	#	73
16) Acetone	4.13	43	29137	45.681	ug/l	100
20) Methylene Chloride	4.91	84	22304	4.175	ug/l	91
26) 2,2-Dichloropropane	7.16	77	416	Below Cal	#	52
29) Tetrahydrofuran	7.53	42	6537	11.132	ug/l	98
36) 1,1-Dichloropropene	7.94	75	22583	4.566	ug/l #	48
38) Carbon Tetrachloride	7.94	117	29869	6.737	ug/l #	19
41) Methacrylonitrile	7.53	41	3670	2.925	ug/l #	46
52) Toluene	10.38	92	8885	1.005	ug/l	94
76) 1,2,3-Trichloropropane	12.62	75	85132	54.245	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	85132	121.721	ug/l #	12

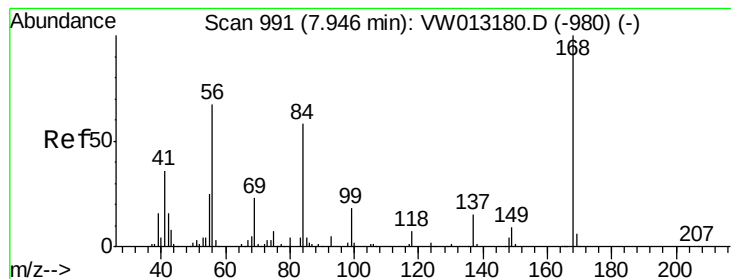
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW092419\
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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: VW013283.D

Acq: 24 Sep 2019 18:14

Instrument :

MSVOA_W

ClientSampleId :

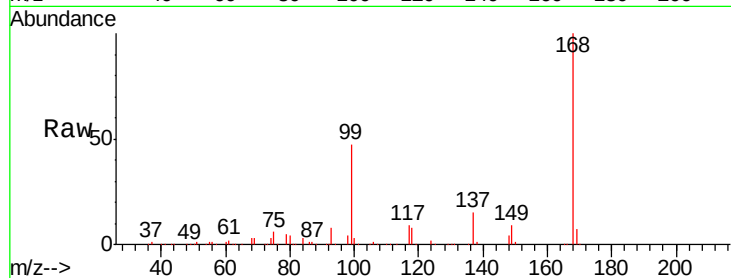
RT-1488-RBR200031-RBR200036

Tgt Ion:168 Resp: 346557

Ion Ratio Lower Upper

168 100

99 47.4 40.2 60.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

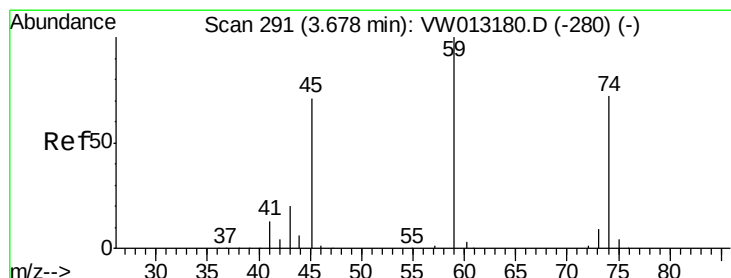
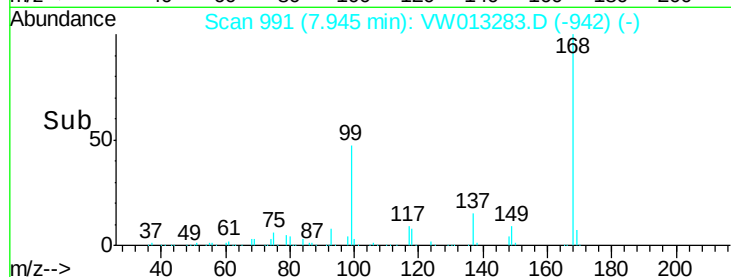
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#8

Diethyl Ether

Concen: 1.164 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW013283.D

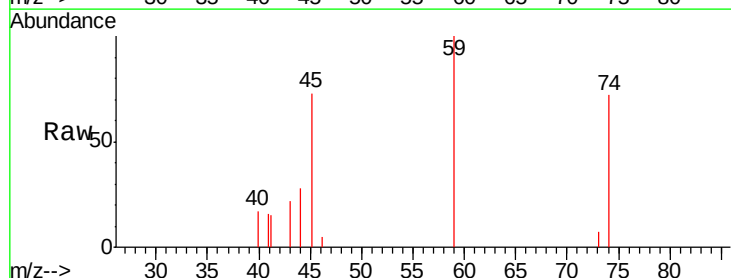
Acq: 24 Sep 2019 18:14

Tgt Ion: 74 Resp: 1899

Ion Ratio Lower Upper

74 100

45 137.1 49.5 148.7



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.67

1000

800

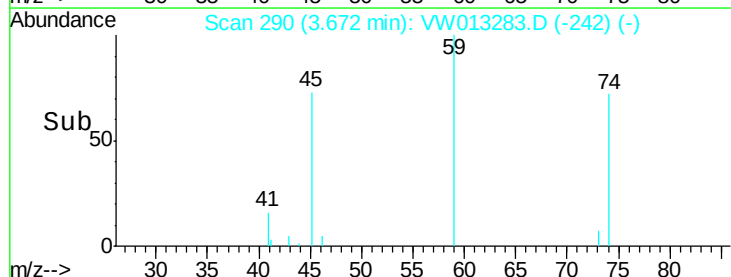
600

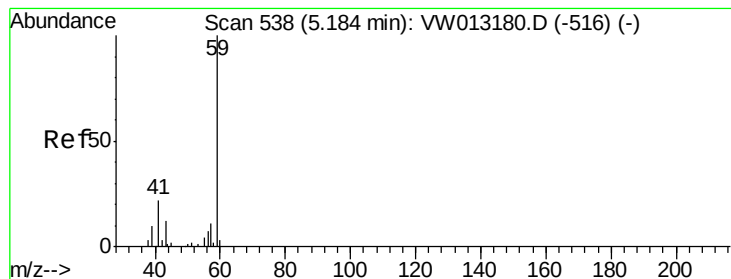
400

200

0

Time--> 3.60 3.65 3.70 3.75



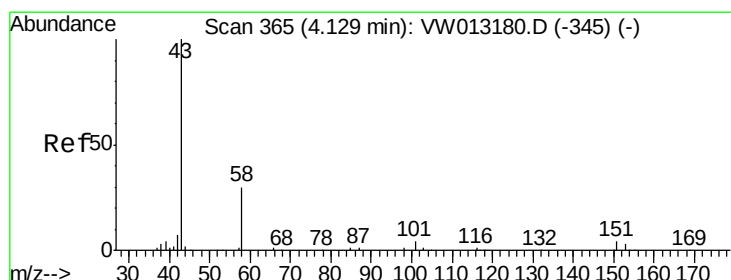
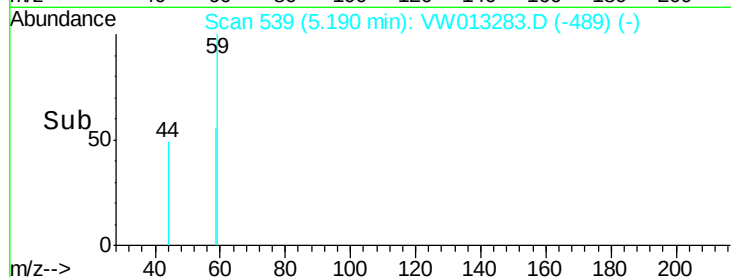
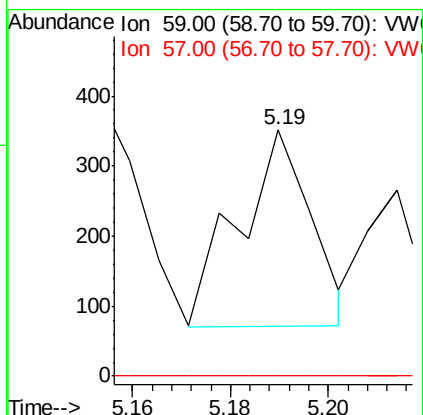
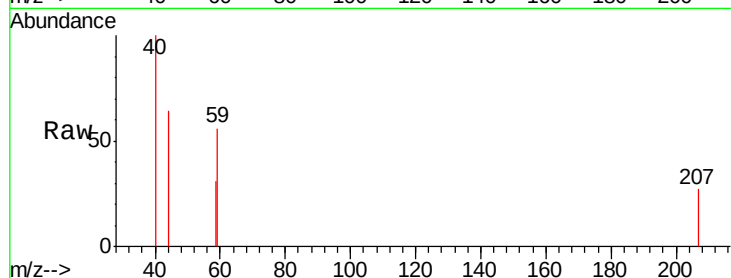


#11

Tert butyl alcohol
Concen: Below Cal
RT: 5.19 min Scan# 539
Delta R.T. 0.01 min
Lab File: VW013283.D
Acq: 24 Sep 2019 18:14

Instrument :
MSVOA_W
ClientSampleId :
RT-1488-RBR200031-RBR200036

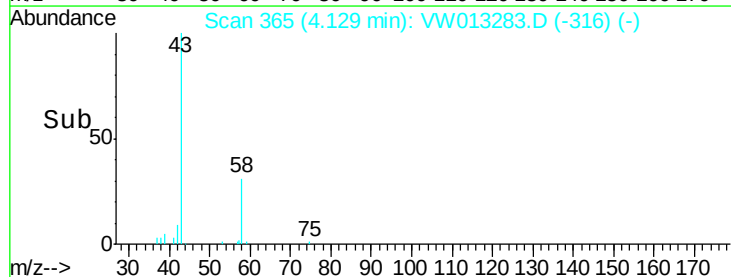
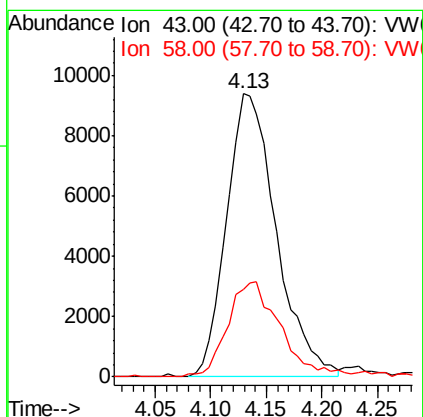
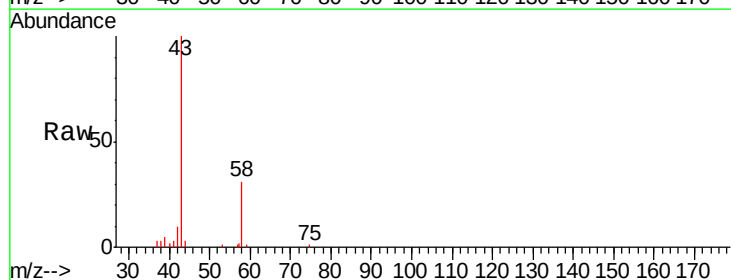
Tgt Ion: 59 Resp: 289
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

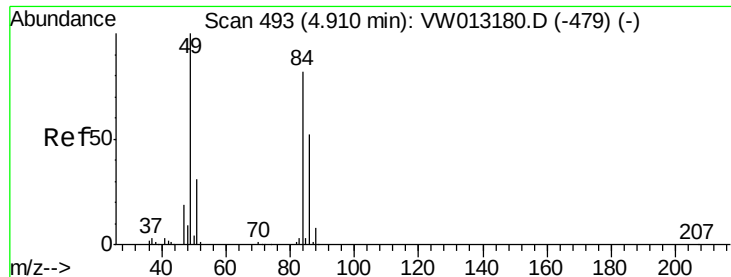


#16

Acetone
Concen: 45.681 ug/l
RT: 4.13 min Scan# 365
Delta R.T. -0.00 min
Lab File: VW013283.D
Acq: 24 Sep 2019 18:14

Tgt Ion: 43 Resp: 29137
Ion Ratio Lower Upper
43 100
58 29.9 24.1 36.1

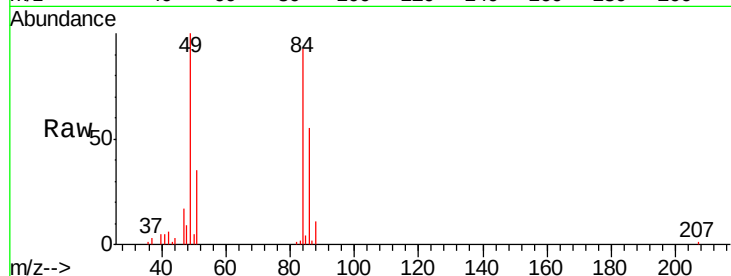




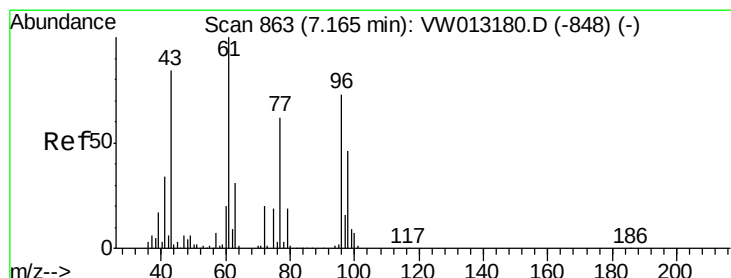
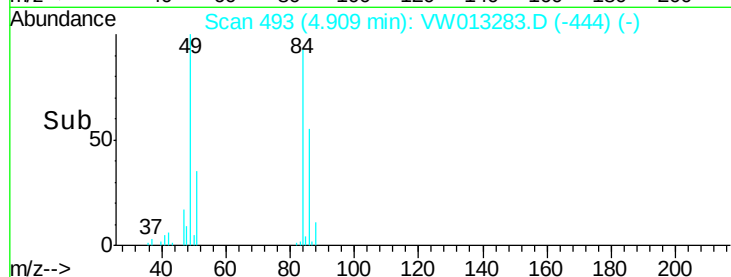
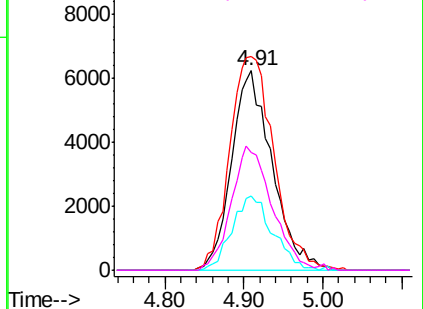
#20
Methylene Chloride
Concen: 4.175 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW013283.D
Acq: 24 Sep 2019 18:14

Instrument :
MSVOA_W
ClientSampleId :
RT-1488-RBR200031-RBR200036

Tgt Ion: 84 Resp: 22304
Ion Ratio Lower Upper
84 100
49 107.2 97.6 146.4
51 37.5 30.2 45.2
86 59.2 50.6 76.0

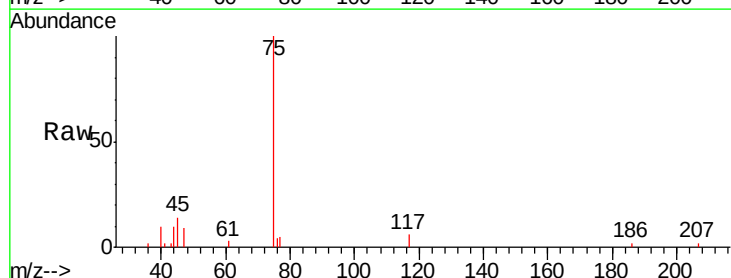


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

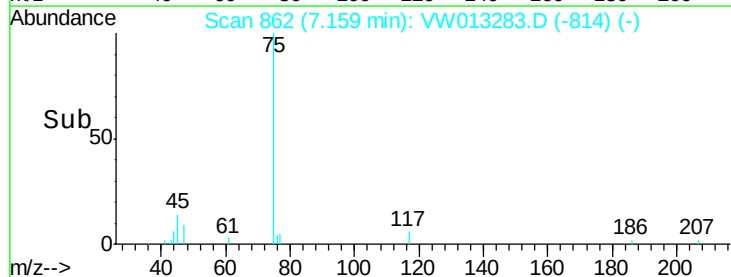
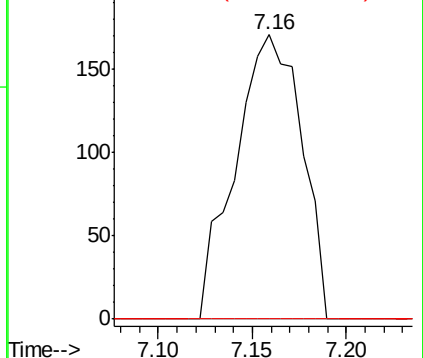


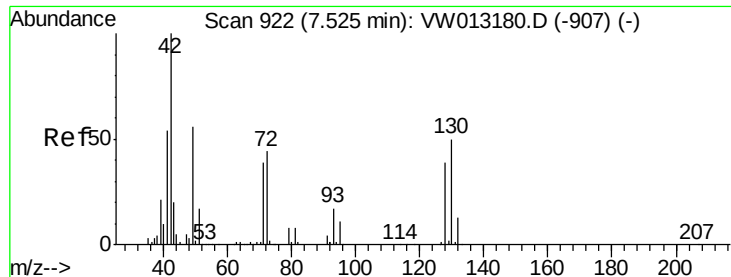
#26
2,2-Dichloropropane
Concen: Below Cal
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW013283.D
Acq: 24 Sep 2019 18:14

Tgt Ion: 77 Resp: 416
Ion Ratio Lower Upper
77 100
97 0.0 11.8 35.4#



Abundance Ion 76.90 (76.60 to 77.60): VW
Ion 96.90 (96.60 to 97.60): VW

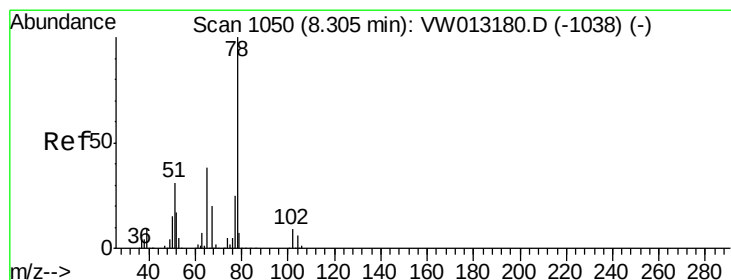
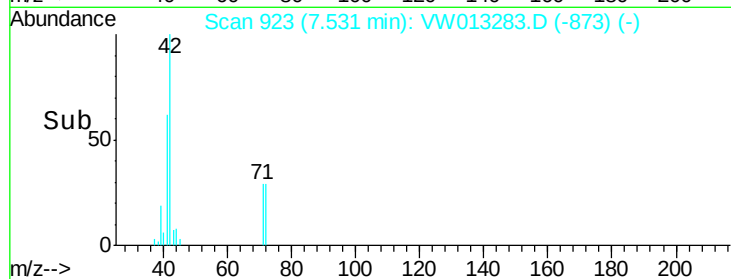
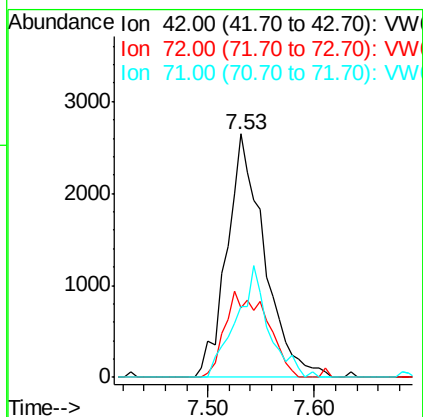
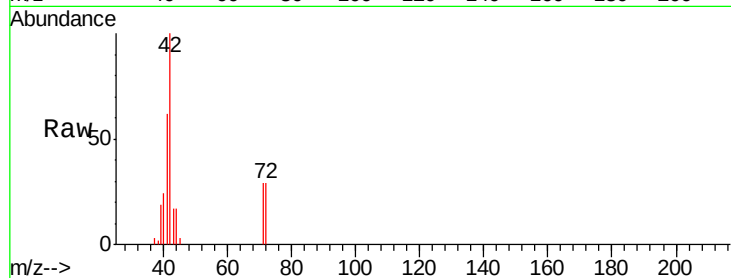




#29
Tetrahydrofuran
Concen: 11.132 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW013283.D
Acq: 24 Sep 2019 18:14

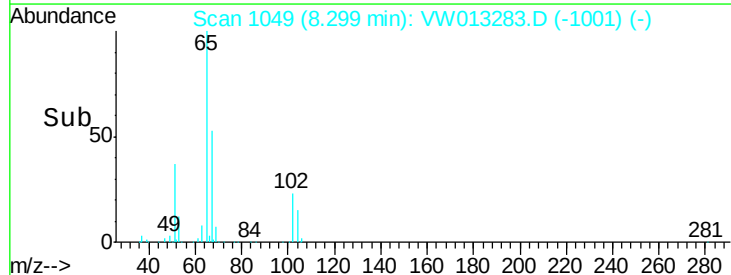
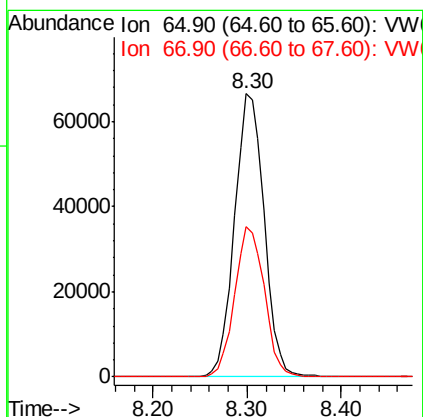
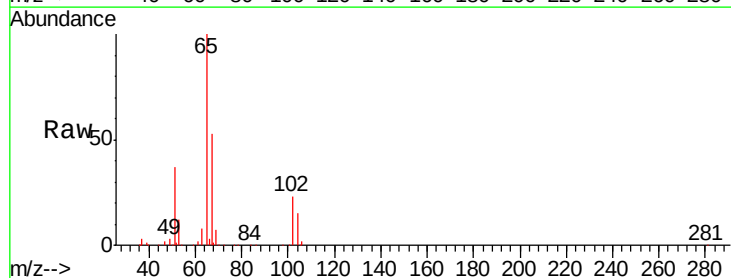
Instrument :
MSVOA_W
ClientSampleId :
RT-1488-RBR200031-RBR200036

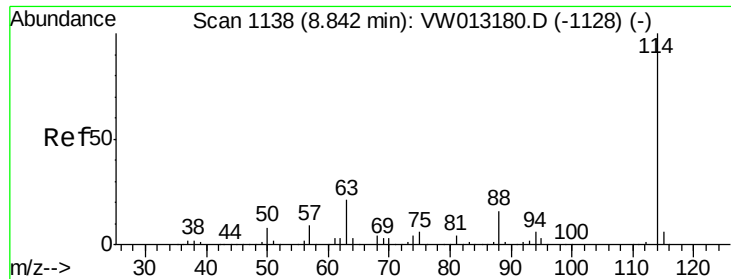
Tgt Ion	Ratio	Lower	Upper
42	100		
72	39.7	33.9	50.9
71	39.8	31.9	47.9



#33
1,2-Dichloroethane-d4
Concen: 51.599 ug/l
RT: 8.30 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VW013283.D
Acq: 24 Sep 2019 18:14

Tgt Ion	Ratio	Lower	Upper
65	100		
67	53.3	0.0	106.2

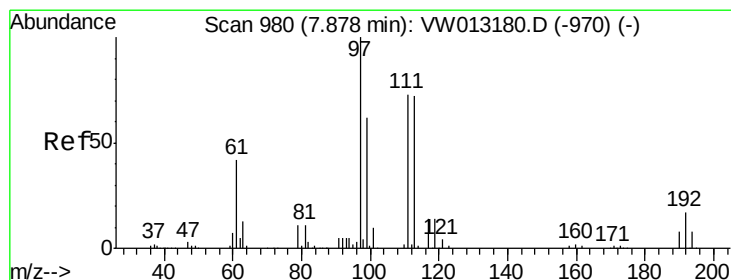
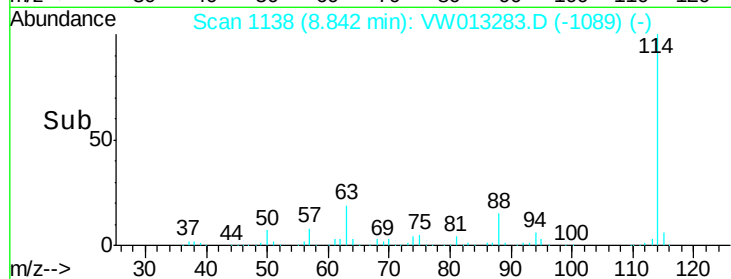
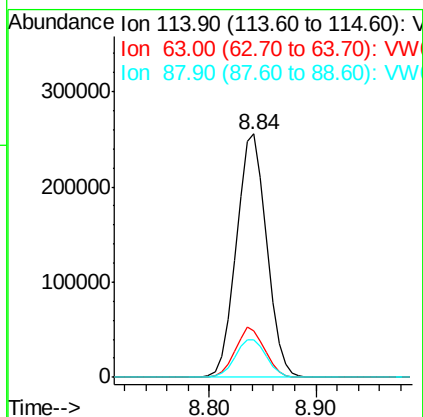
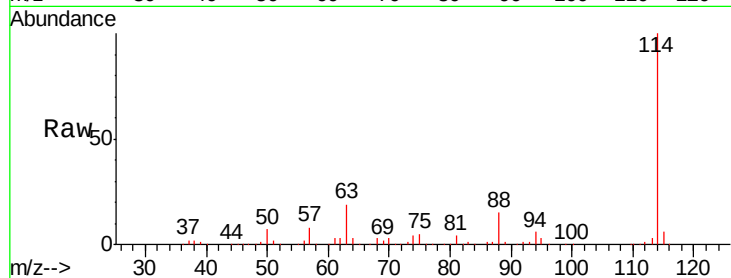




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013283.D
 Acq: 24 Sep 2019 18:14

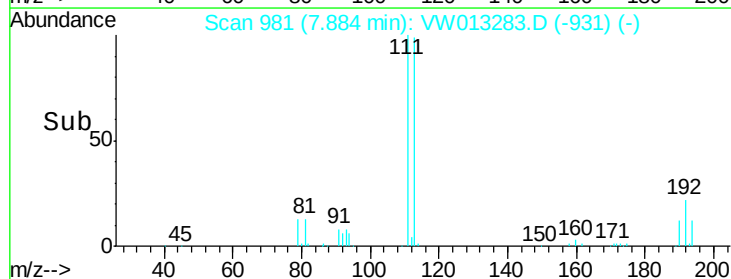
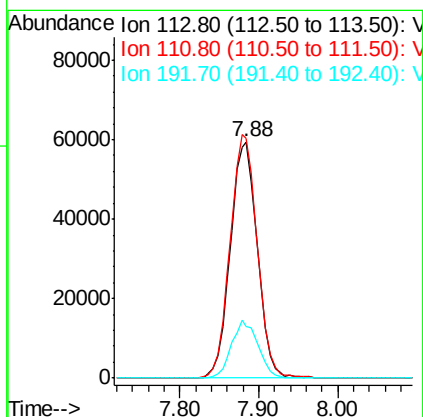
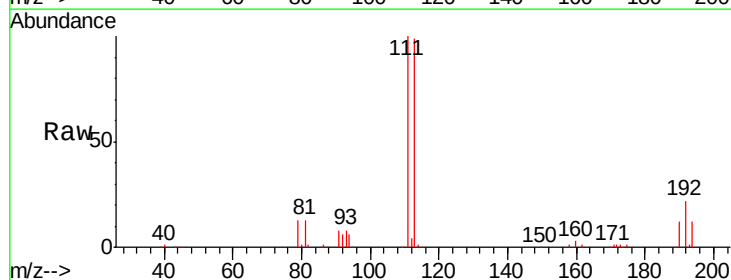
Instrument :
 MSVOA_W
 ClientSampleId :
 RT-1488-RBR200031-RBR200036

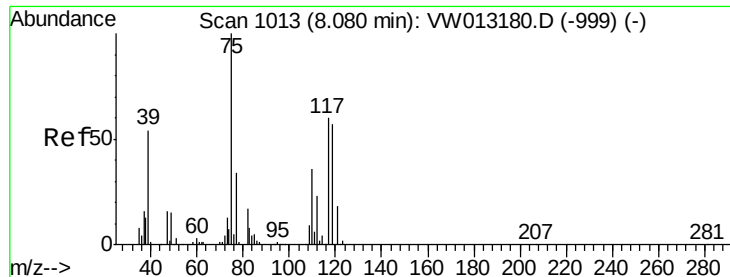
Tgt Ion:114 Resp: 510639
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 41.4
 88 15.3 0.0 32.0



#35
 Dibromofluoromethane
 Concen: 50.217 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VW013283.D
 Acq: 24 Sep 2019 18:14

Tgt Ion:113 Resp: 141034
 Ion Ratio Lower Upper
 113 100
 111 103.7 81.9 122.9
 192 24.1 19.1 28.7





#36

1,1-Dichloropropene

Concen: 4.566 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW013283.D

Acq: 24 Sep 2019 18:14

Instrument :

MSVOA_W

ClientSampleId :

RT-1488-RBR200031-RBR200036

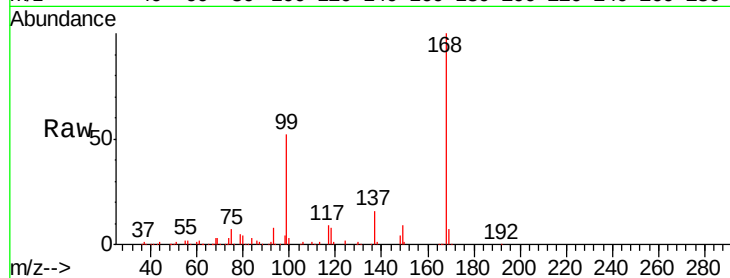
Tgt Ion: 75 Resp: 22583

Ion Ratio Lower Upper

75 100

110 7.8 18.1 54.3#

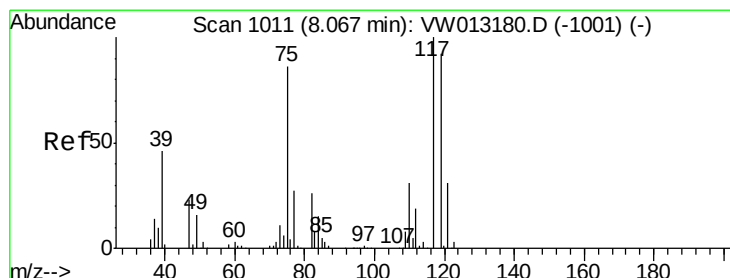
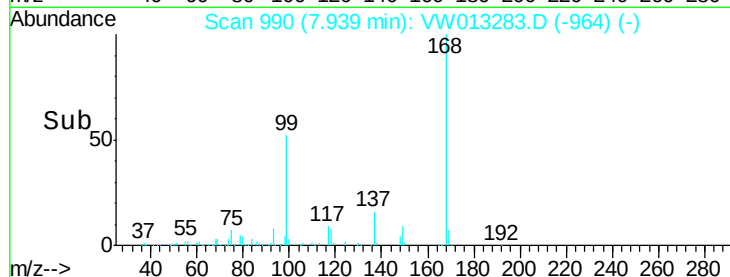
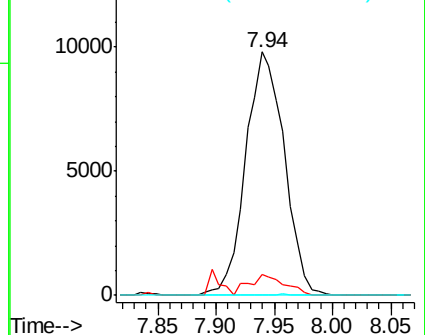
77 0.1 25.8 38.6#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW



#38

Carbon Tetrachloride

Concen: 6.737 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.13 min

Lab File: VW013283.D

Acq: 24 Sep 2019 18:14

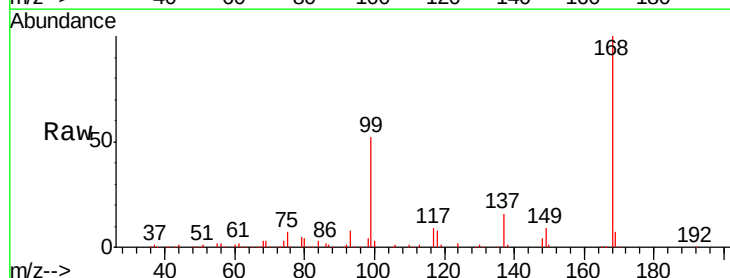
Tgt Ion: 117 Resp: 29869

Ion Ratio Lower Upper

117 100

119 6.7 73.5 110.3#

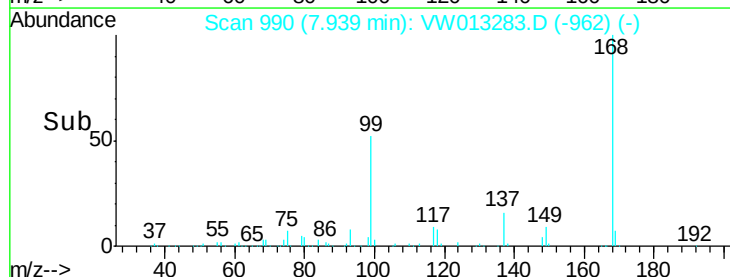
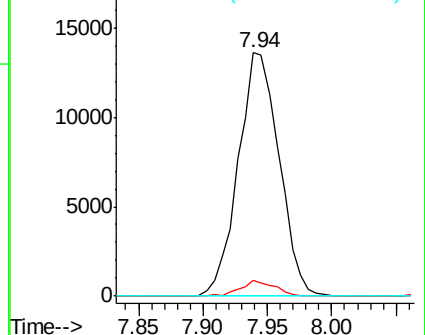
121 0.0 25.0 37.6#

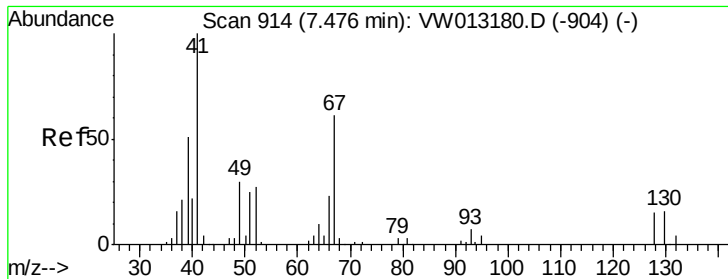


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

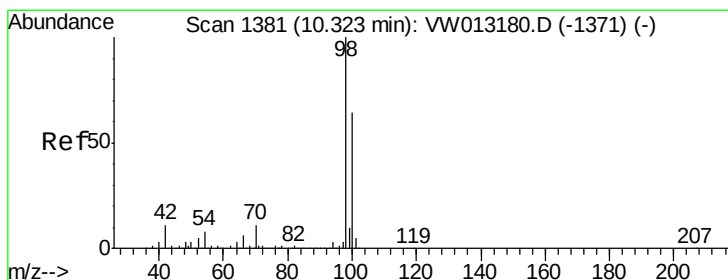
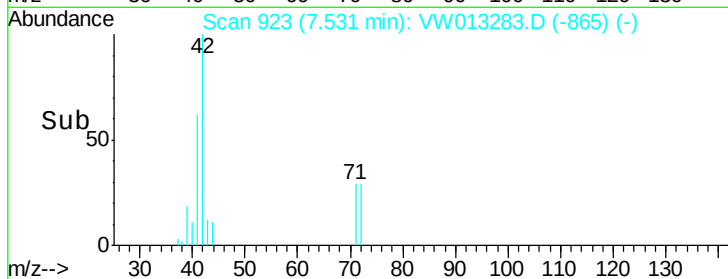
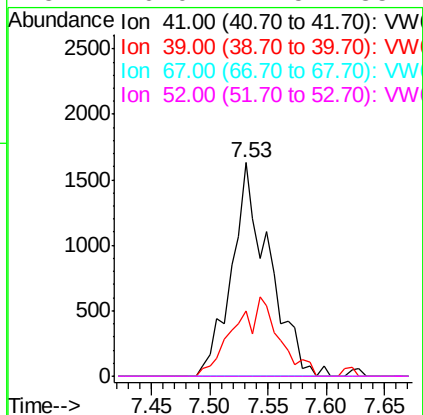
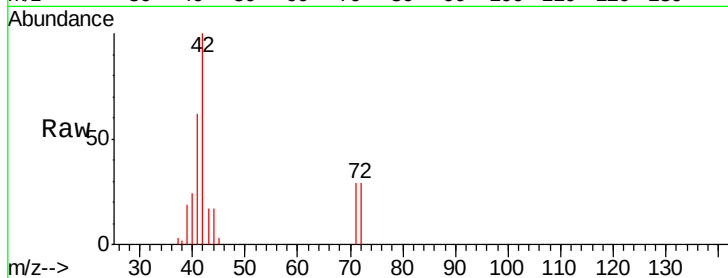




#41
Methacrylonitrile
Concen: 2.925 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.05 min
Lab File: VW013283.D
Acq: 24 Sep 2019 18:14

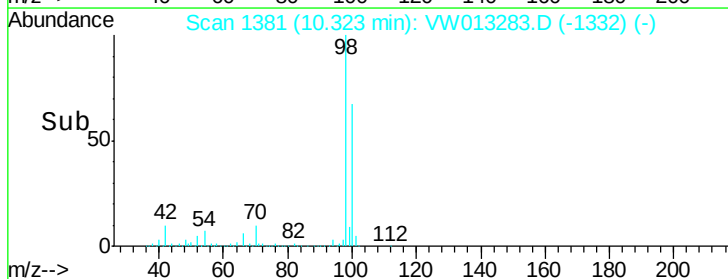
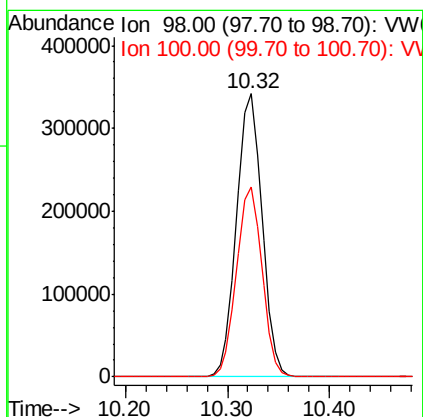
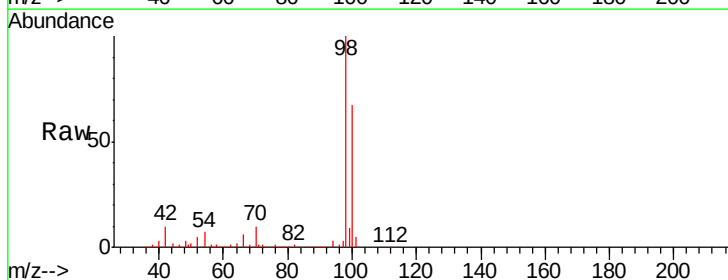
Instrument :
MSVOA_W
ClientSampleId :
RT-1488-RBR200031-RBR200036

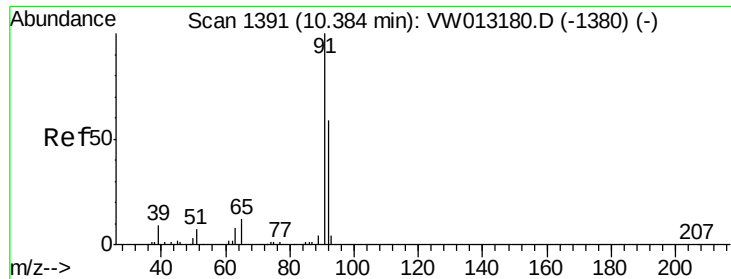
Tgt Ion:	41	Resp:	3670
Ion	Ratio	Lower	Upper
41	100		
39	44.1	45.9	68.9#
67	0.0	54.5	81.7#
52	0.0	22.5	33.7#



#50
Toluene-d8
Concen: 50.511 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013283.D
Acq: 24 Sep 2019 18:14

Tgt Ion:	98	Resp:	593701
Ion	Ratio	Lower	Upper
98	100		
100	67.0	52.9	79.3





#52

Toluene

Concen: 1.005 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW013283.D

Acq: 24 Sep 2019 18:14

Instrument :

MSVOA_W

ClientSampleId :

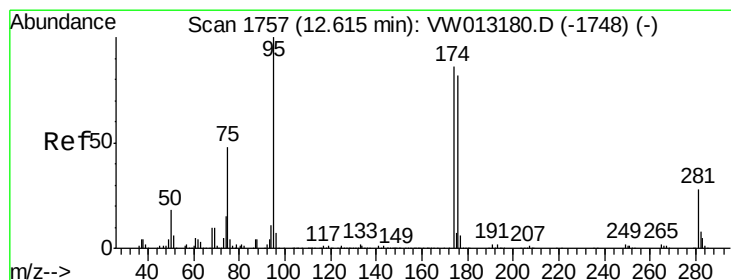
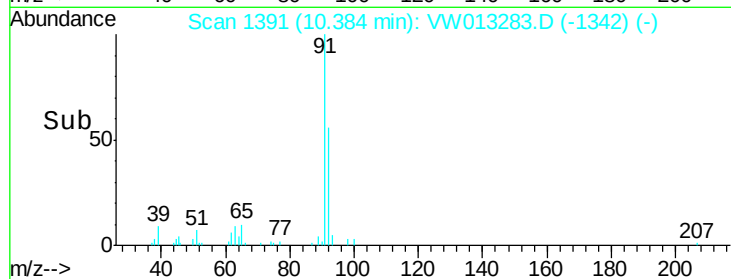
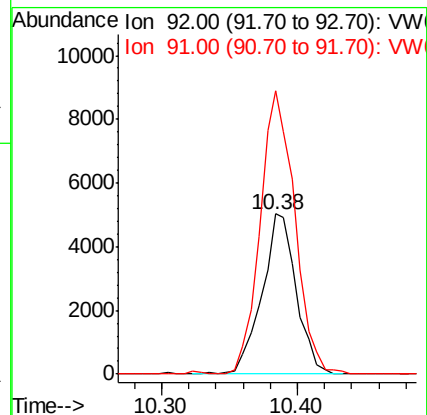
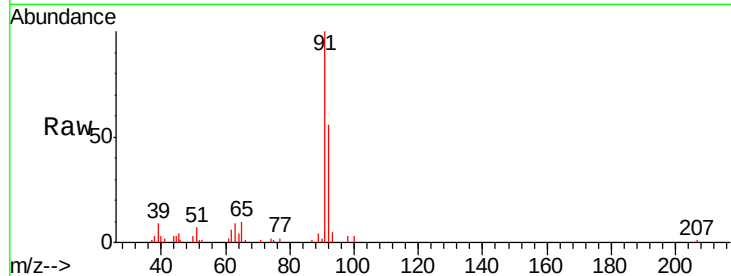
RT-1488-RBR200031-RBR200036

Tgt Ion: 92 Resp: 8885

Ion Ratio Lower Upper

92 100

91 178.0 135.7 203.5



#62

4-Bromofluorobenzene

Concen: 45.087 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW013283.D

Acq: 24 Sep 2019 18:14

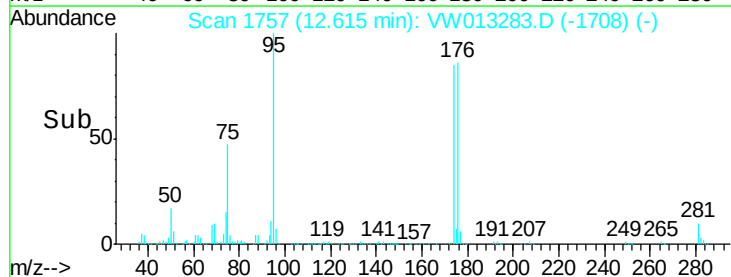
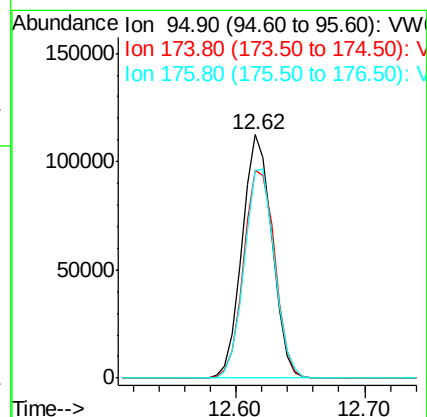
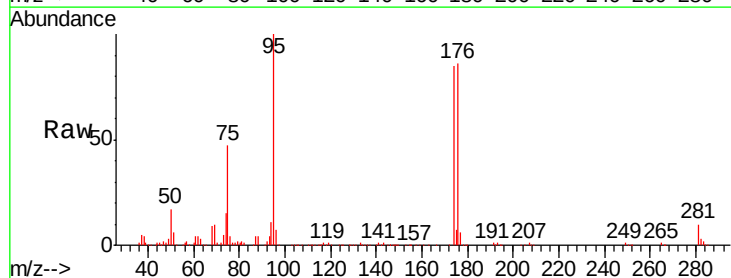
Tgt Ion: 95 Resp: 181027

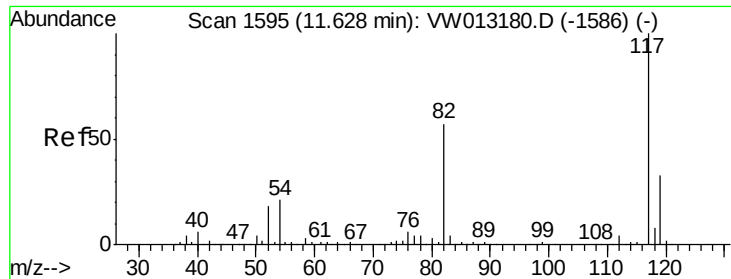
Ion Ratio Lower Upper

95 100

174 88.9 0.0 178.4

176 86.7 0.0 172.2

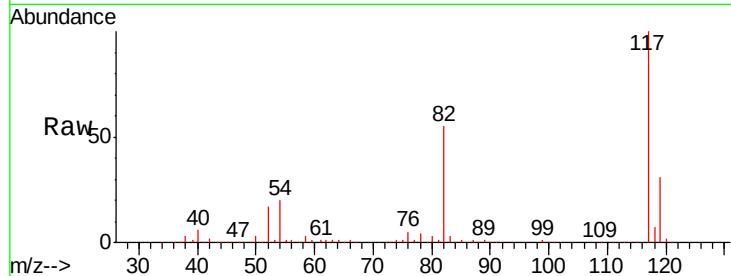




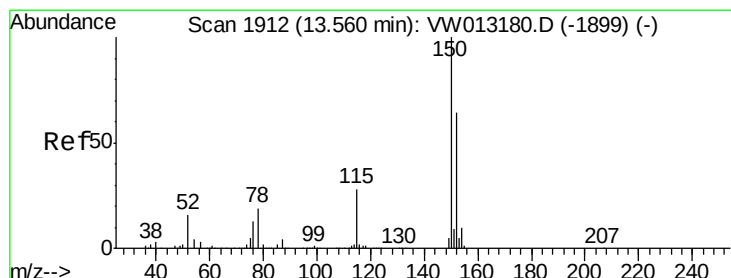
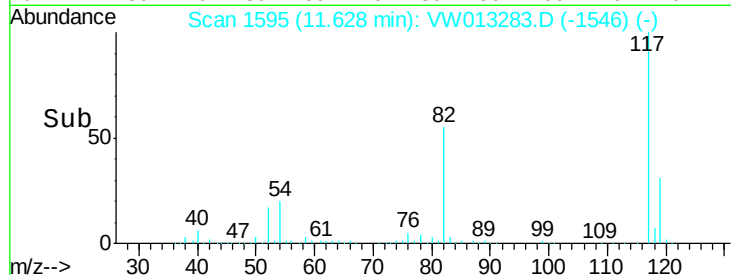
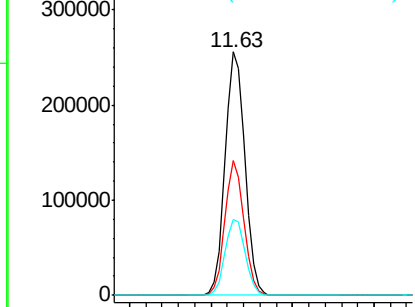
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013283.D
Acq: 24 Sep 2019 18:14

Instrument :
MSVOA_W
ClientSampleId :
RT-1488-RBR200031-RBR200036

Tgt Ion:117 Resp: 426918
Ion Ratio Lower Upper
117 100
82 55.3 45.9 68.9
119 31.0 26.2 39.2

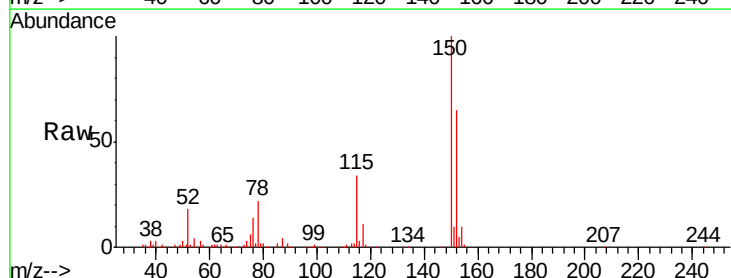


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

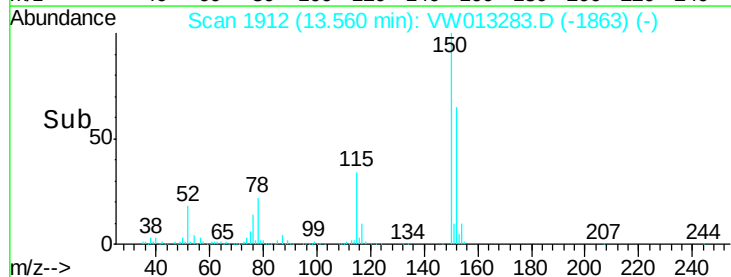
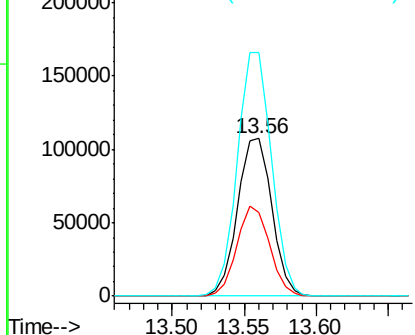


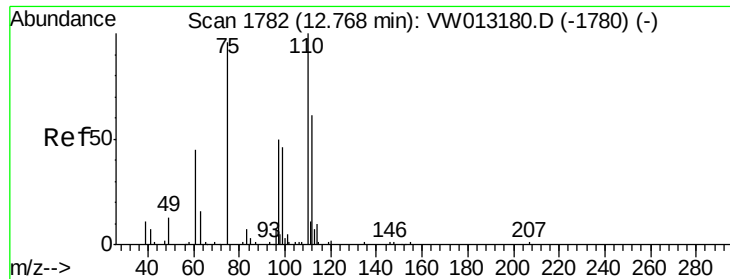
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW013283.D
Acq: 24 Sep 2019 18:14

Tgt Ion:152 Resp: 177708
Ion Ratio Lower Upper
152 100
115 54.9 27.3 81.9
150 154.5 0.0 349.0



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: 54.245 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013283.D

Acq: 24 Sep 2019 18:14

Instrument :

MSVOA_W

ClientSampleId :

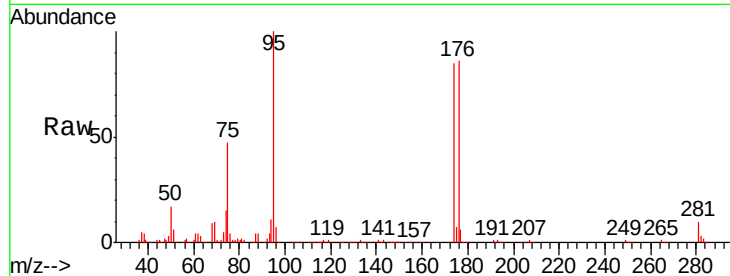
RT-1488-RBR200031-RBR200036

Tgt Ion: 75 Resp: 85132

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

12.62

60000

50000

40000

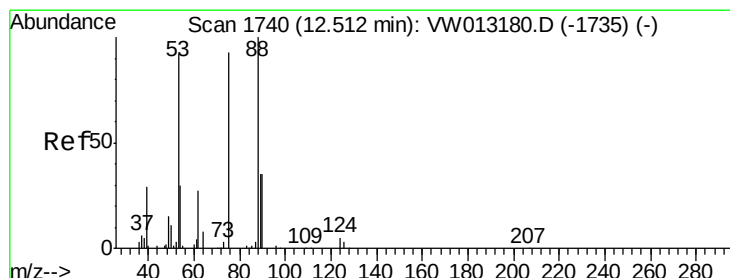
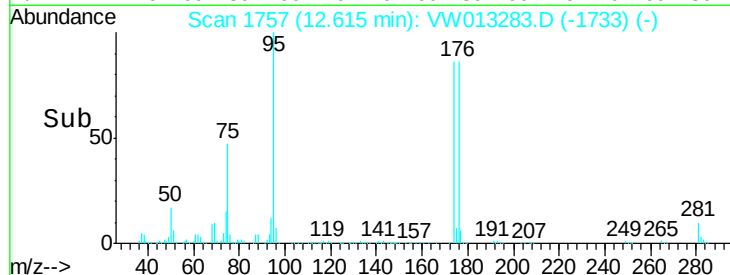
30000

20000

10000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 121.721 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013283.D

Acq: 24 Sep 2019 18:14

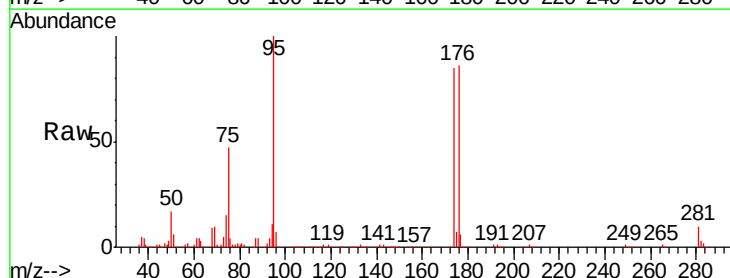
Tgt Ion: 75 Resp: 85132

Ion Ratio Lower Upper

75 100

53 0.0 76.6 114.8#

89 0.0 33.5 50.3#



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

60000

40000

20000

0

Time-->

