

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091619\
 Data File : VW013065.D
 Acq On : 17 Sep 2019 03:12
 Operator : SY/VA
 Sample : K4897-05
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 RBR-200052

Quant Time: Sep 17 07:28:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 13 17:26:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	328076	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	498691	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	421084	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	168229	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	165797	54.72	ug/l	0.00
Spiked Amount			Recovery	=	109.44%	
35) Dibromofluoromethane	7.88	113	142721	52.74	ug/l	0.00
Spiked Amount			Recovery	=	105.48%	
50) Toluene-d8	10.32	98	591443	55.86	ug/l	0.00
Spiked Amount			Recovery	=	111.72%	
62) 4-Bromofluorobenzene	12.62	95	187123	49.15	ug/l	0.00
Spiked Amount			Recovery	=	98.30%	

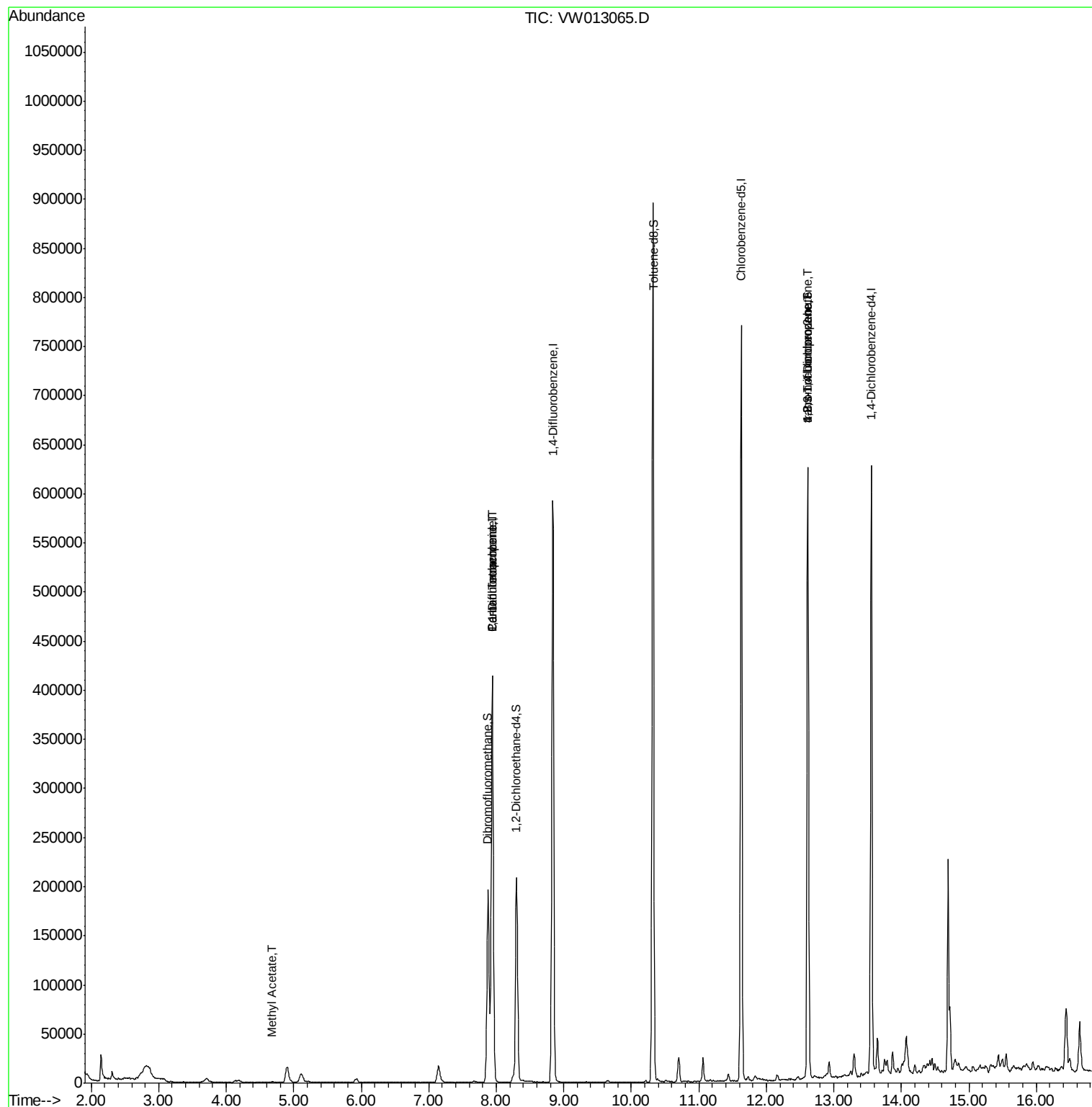
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.03	85	25	Below Cal	#	44
3) Chloromethane	2.20	50	409	Below Cal	#	28
11) Tert butyl alcohol	5.19	59	297	Below Cal	#	72
13) Acrolein	3.98	56	58	Below Cal	#	15
16) Acetone	4.13	43	4176	Below Cal		95
18) Methyl Acetate	4.68	43	1884	1.091	ug/l #	84
20) Methylene Chloride	4.91	84	12475	Below Cal		94
26) 2,2-Dichloropropane	7.15	77	1378	Below Cal	#	55
31) Cyclohexane	7.94	56	6753	Below Cal	#	1
36) 1,1-Dichloropropene	7.94	75	23539	5.907	ug/l #	45
38) Carbon Tetrachloride	7.95	117	29959	7.336	ug/l #	14
76) 1,2,3-Trichloropropane	12.62	75	94665	64.243	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	94665	145.733	ug/l #	7

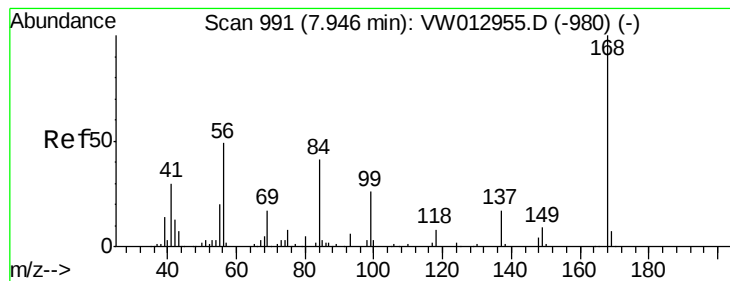
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW013065.D

Acq: 17 Sep 2019 03:12

Instrument :

MSVOA_W

ClientSampleId :

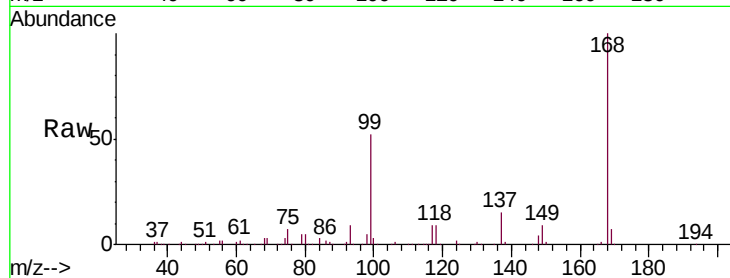
RBR-200052

Tgt Ion:168 Resp: 328076

Ion Ratio Lower Upper

168 100

99 52.5 46.2 69.2



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

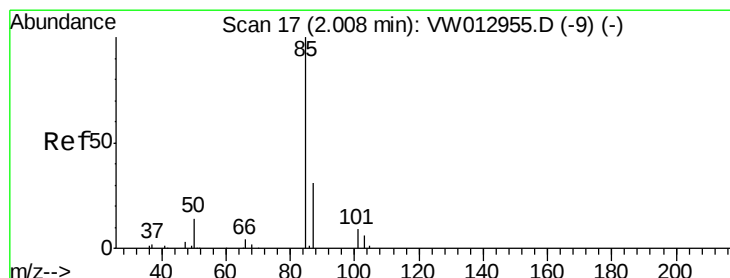
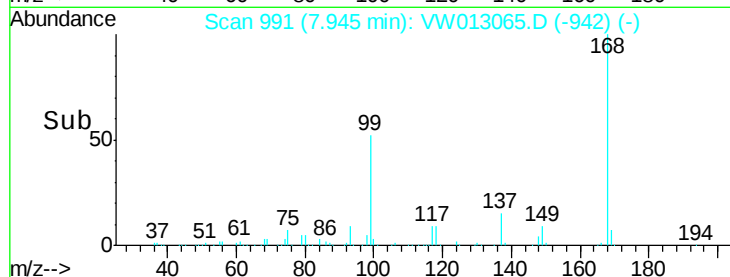
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.03 min Scan# 21

Delta R.T. 0.02 min

Lab File: VW013065.D

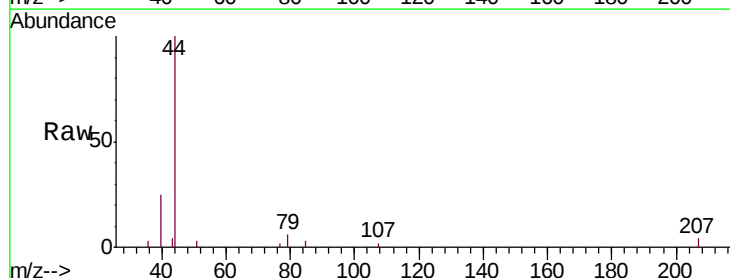
Acq: 17 Sep 2019 03:12

Tgt Ion: 85 Resp: 25

Ion Ratio Lower Upper

85 100

87 0.0 15.4 46.4#



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.03

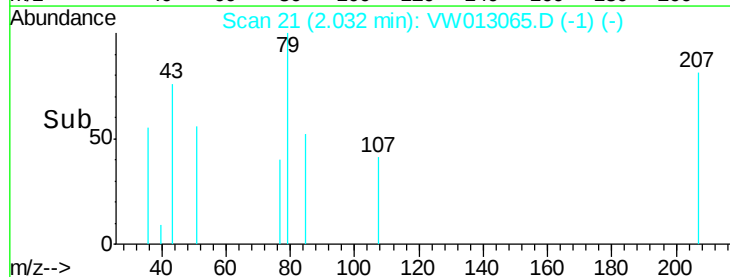
60

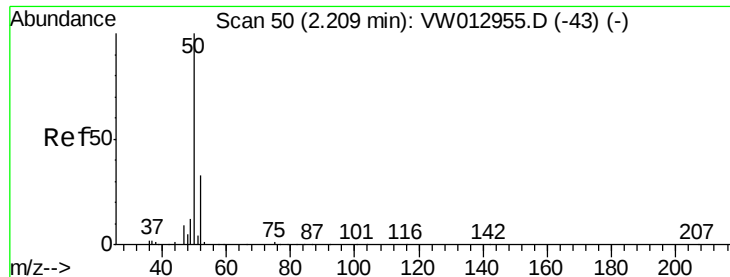
40

20

0

Time-->





#3

Chloromethane

Concen: Below Cal

RT: 2.20 min Scan# 49

Delta R.T. -0.01 min

Lab File: VW013065.D

Acq: 17 Sep 2019 03:12

Instrument :

MSVOA_W

ClientSampled :

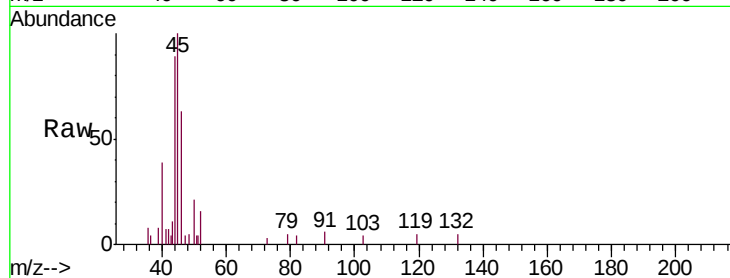
RBR-200052

Tgt Ion: 50 Resp: 409

Ion Ratio Lower Upper

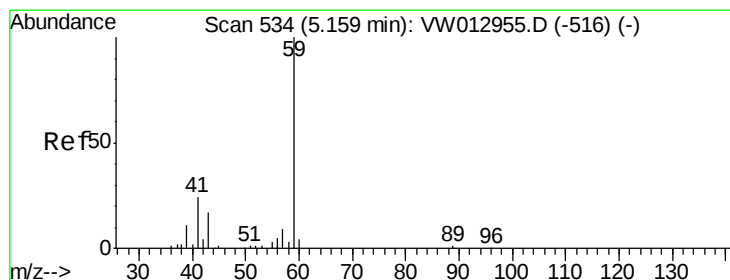
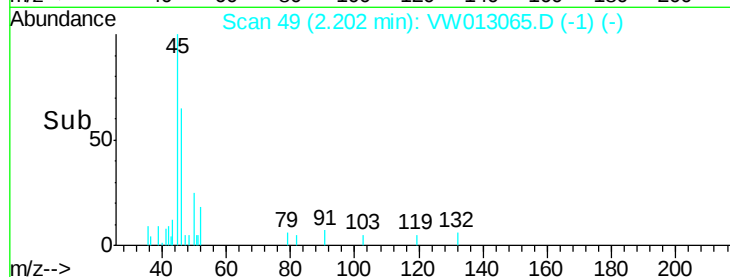
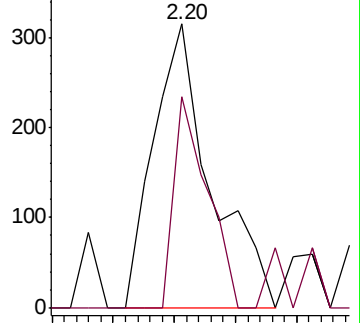
50 100

52 74.3 26.6 39.8#



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.19 min Scan# 539

Delta R.T. 0.03 min

Lab File: VW013065.D

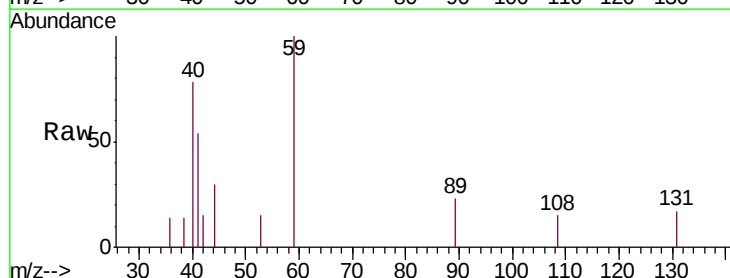
Acq: 17 Sep 2019 03:12

Tgt Ion: 59 Resp: 297

Ion Ratio Lower Upper

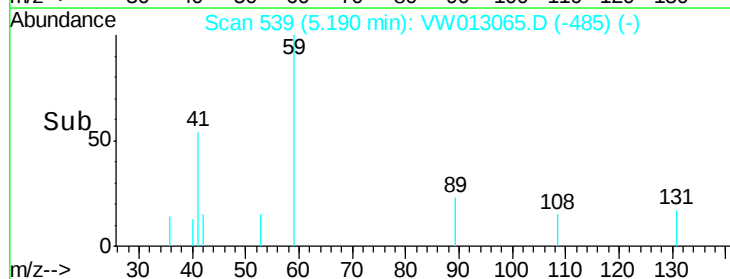
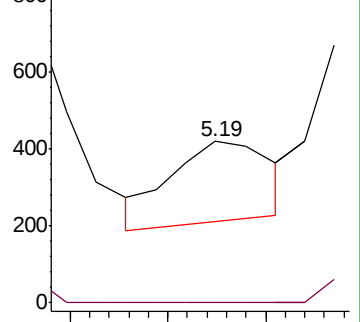
59 100

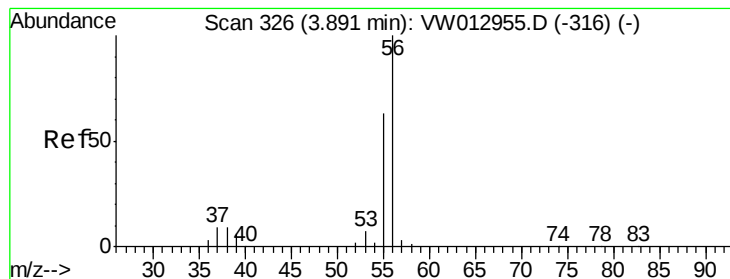
57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: Below Cal

RT: 3.98 min Scan# 340

Delta R.T. 0.09 min

Lab File: VW013065.D

Acq: 17 Sep 2019 03:12

Instrument :

MSVOA_W

ClientSampleId :

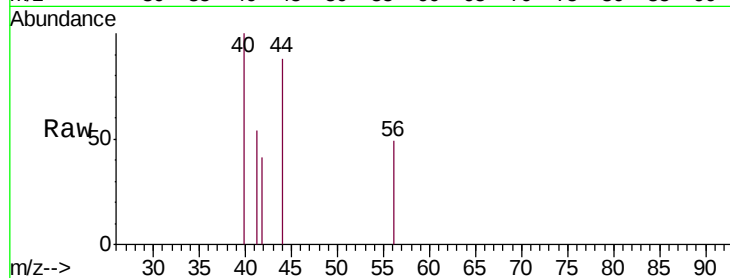
RBR-200052

Tgt Ion: 56 Resp: 58

Ion Ratio Lower Upper

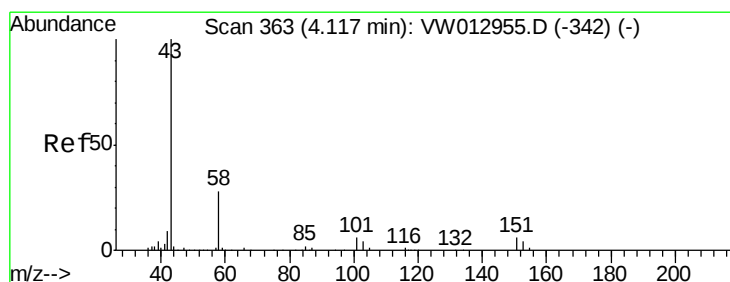
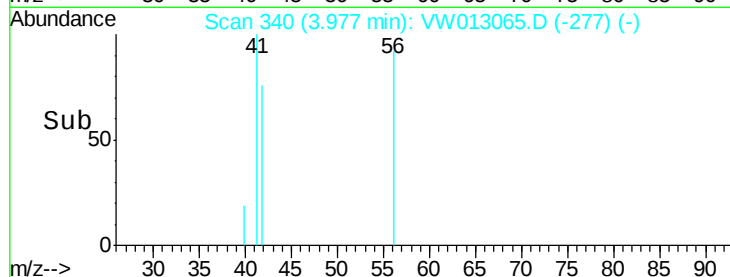
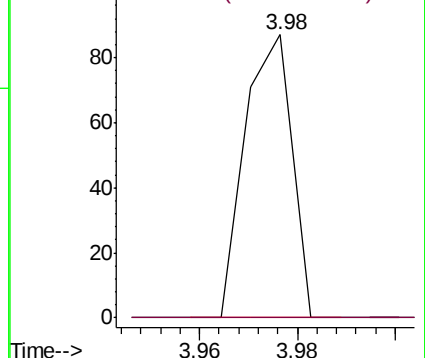
56 100

55 0.0 55.8 83.8#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#16

Acetone

Concen: Below Cal

RT: 4.13 min Scan# 366

Delta R.T. 0.02 min

Lab File: VW013065.D

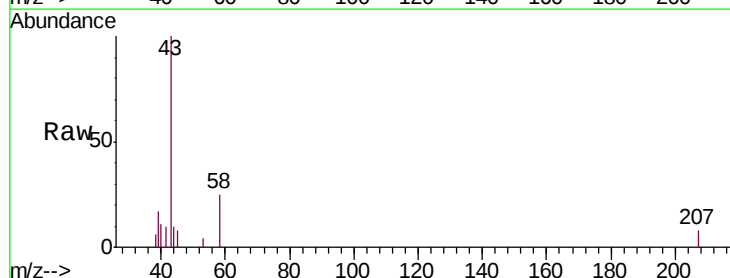
Acq: 17 Sep 2019 03:12

Tgt Ion: 43 Resp: 4176

Ion Ratio Lower Upper

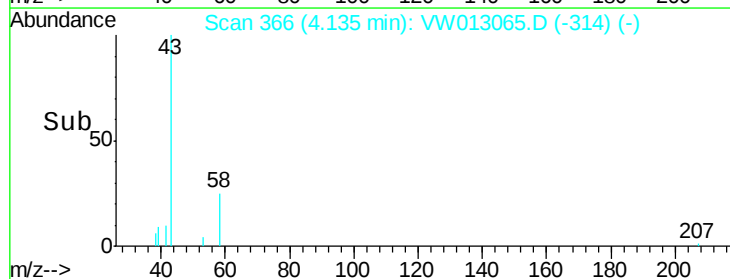
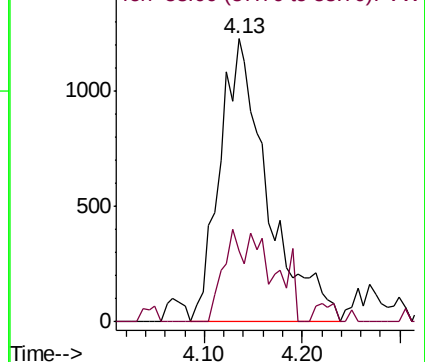
43 100

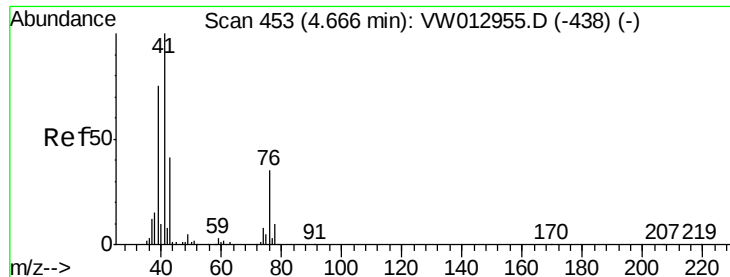
58 25.1 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#18

Methyl Acetate

Concen: 1.091 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.01 min

Lab File: VW013065.D

Acq: 17 Sep 2019 03:12

Instrument :

MSVOA_W

ClientSampled :

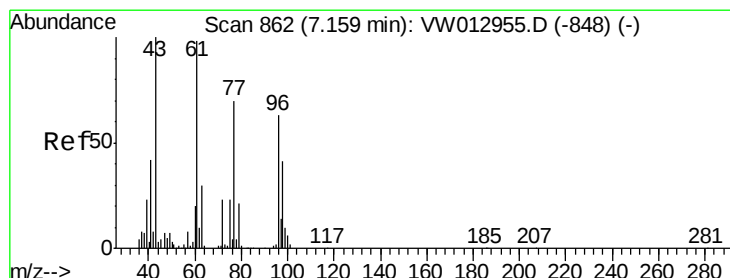
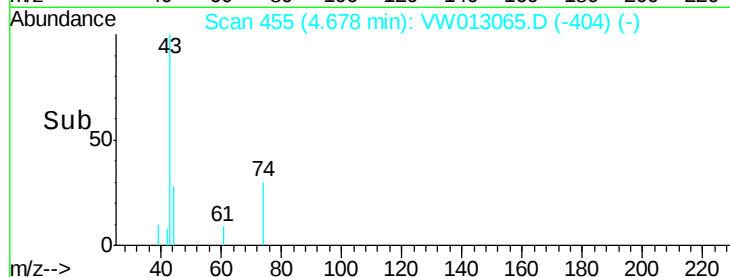
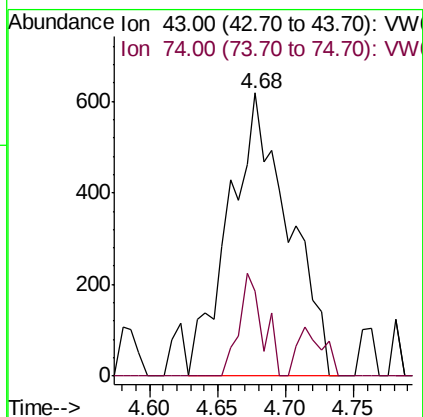
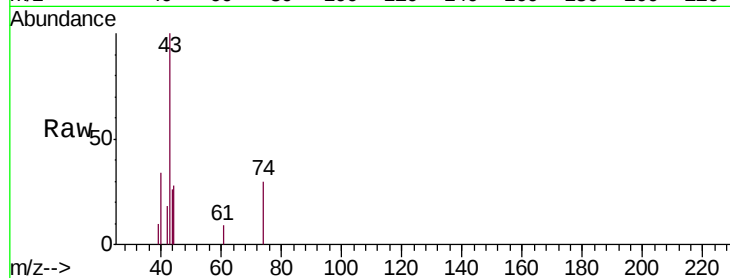
RBR-200052

Tgt Ion: 43 Resp: 1884

Ion Ratio Lower Upper

43 100

74 14.6 17.8 26.8#



#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.15 min Scan# 860

Delta R.T. -0.01 min

Lab File: VW013065.D

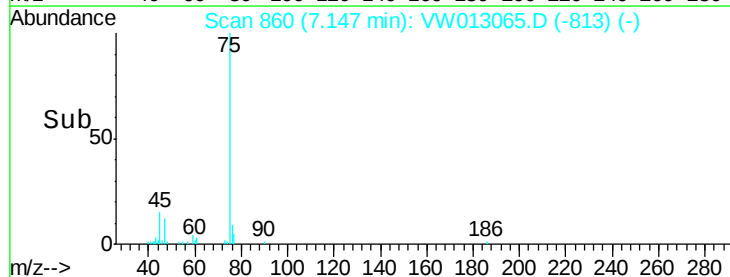
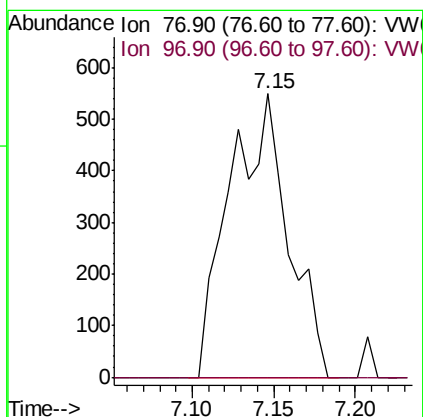
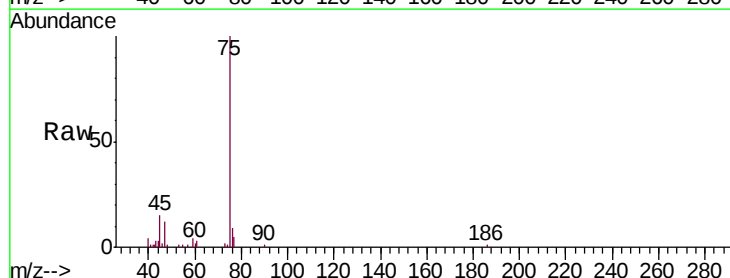
Acq: 17 Sep 2019 03:12

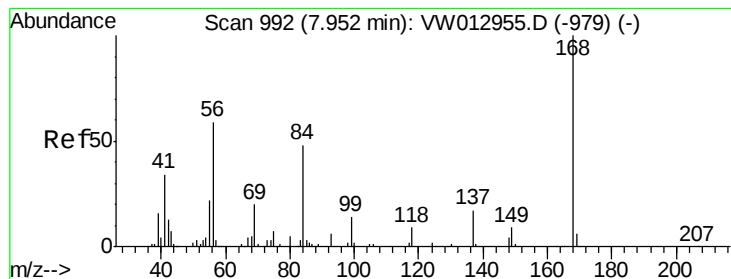
Tgt Ion: 77 Resp: 1378

Ion Ratio Lower Upper

77 100

97 0.0 10.7 32.1#





#31

Cyclohexane

Concen: Below Cal

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW013065.D

Acq: 17 Sep 2019 03:12

Instrument :

MSVOA_W

ClientSampleId :

RBR-200052

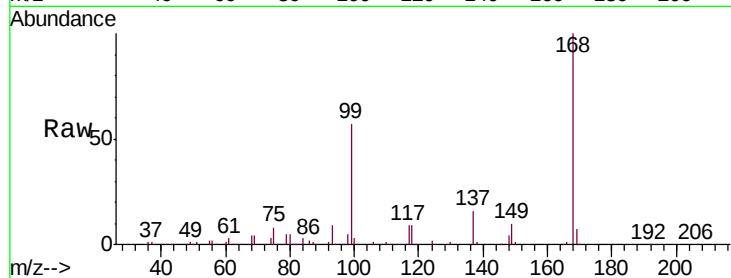
Tgt Ion: 56 Resp: 6753

Ion Ratio Lower Upper

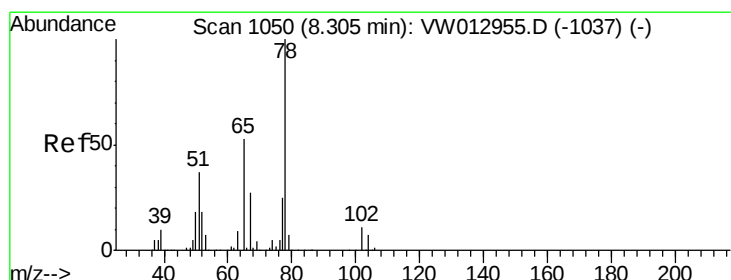
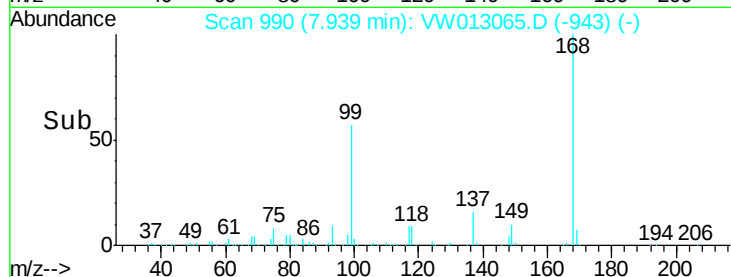
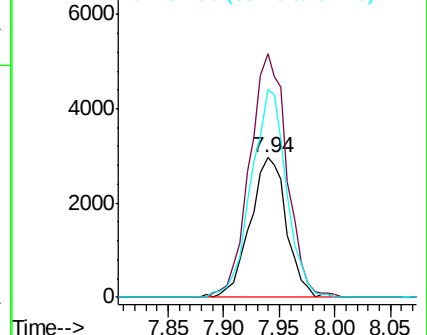
56 100

69 174.5 27.0 40.6#

84 149.0 66.2 99.2#



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: 54.718 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW013065.D

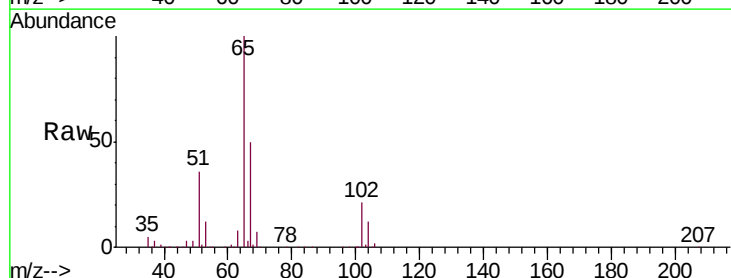
Acq: 17 Sep 2019 03:12

Tgt Ion: 65 Resp: 165797

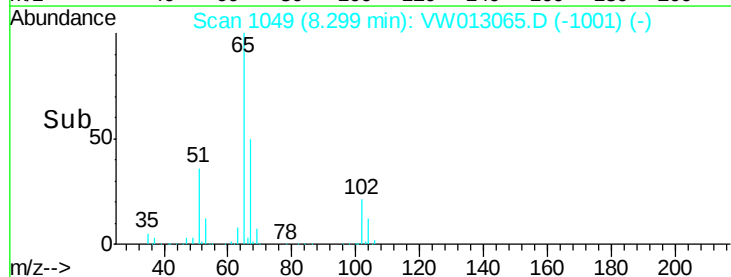
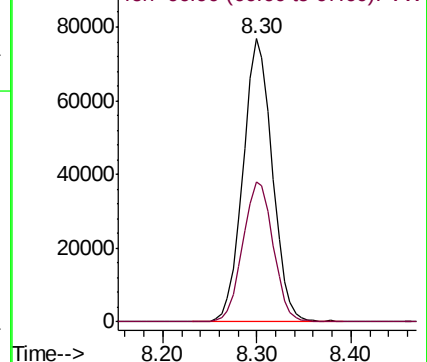
Ion Ratio Lower Upper

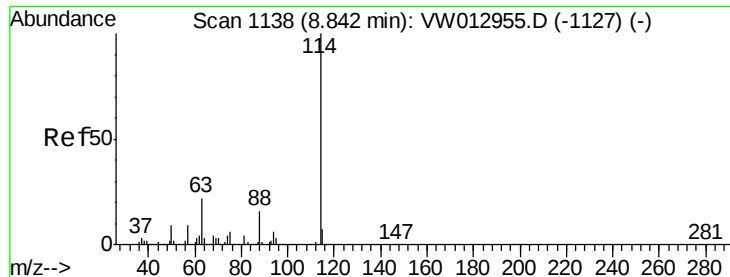
65 100

67 51.6 0.0 101.2



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# 1137

Delta R.T. -0.01 min

Lab File: VW013065.D

Acq: 17 Sep 2019 03:12

Instrument :

MSVOA_W

ClientSampleId :

RBR-200052

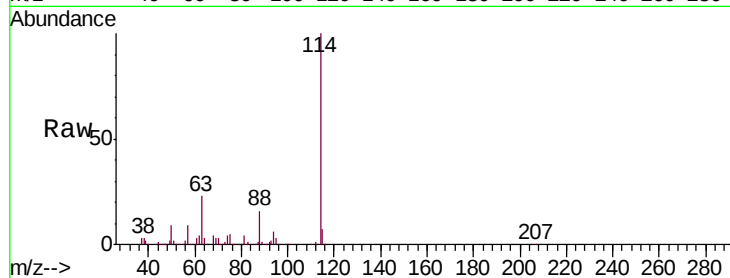
Tgt Ion:114 Resp: 498691

Ion Ratio Lower Upper

114 100

63 22.7 0.0 43.4

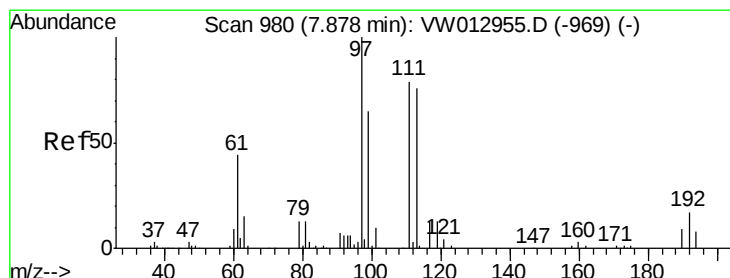
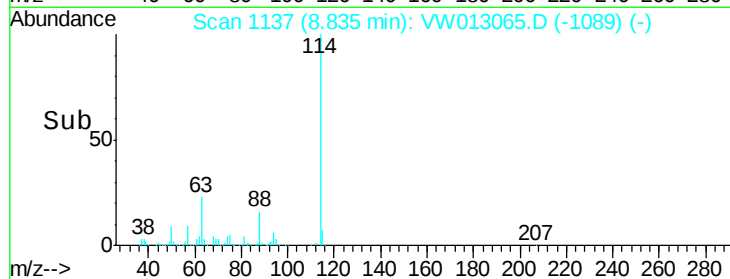
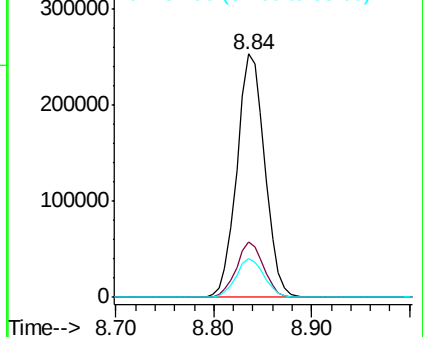
88 16.2 0.0 31.6



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: 52.743 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW013065.D

Acq: 17 Sep 2019 03:12

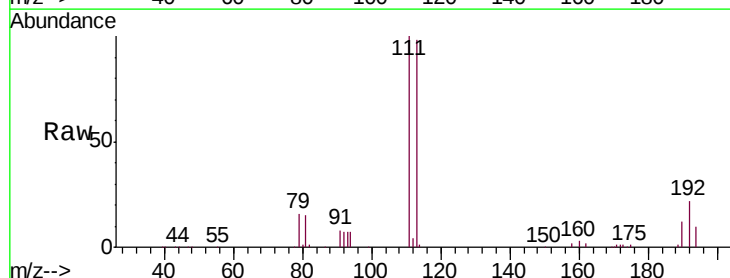
Tgt Ion:113 Resp: 142721

Ion Ratio Lower Upper

113 100

111 103.1 82.8 124.2

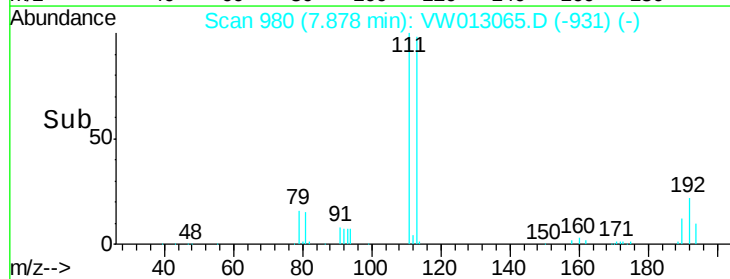
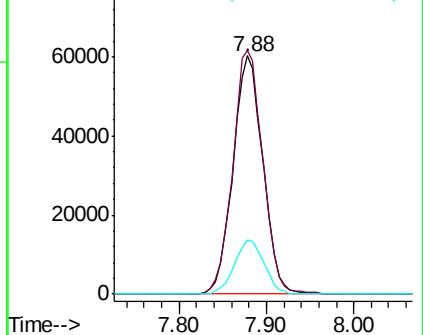
192 22.6 17.8 26.8

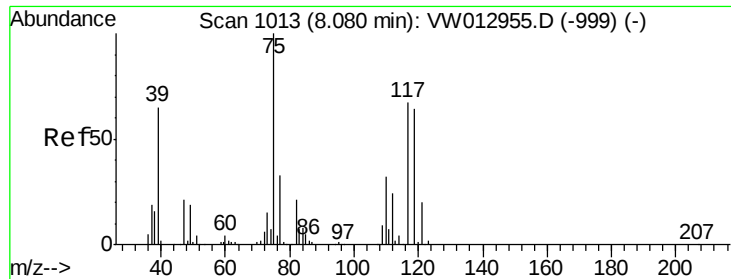


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

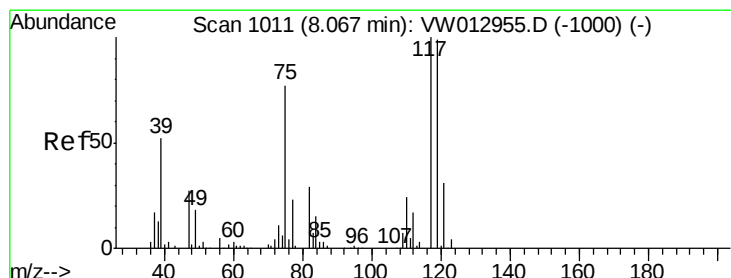
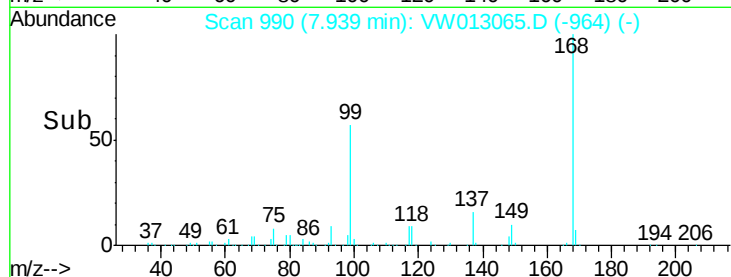
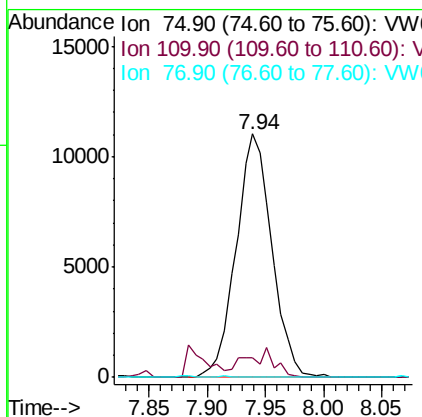
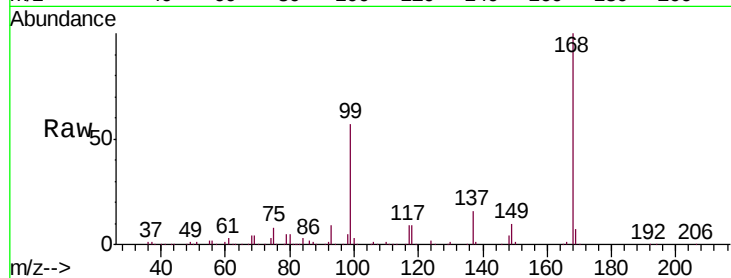




#36
 1,1-Dichloropropene
 Concen: 5.907 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW013065.D
 Acq: 17 Sep 2019 03:12

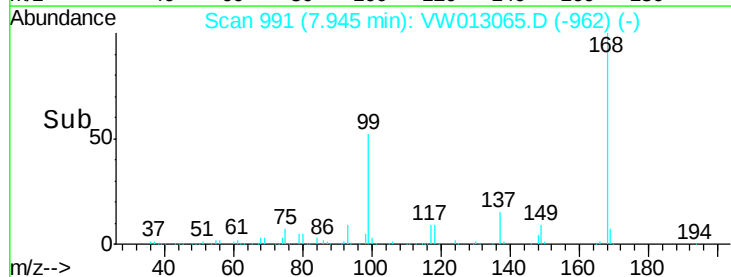
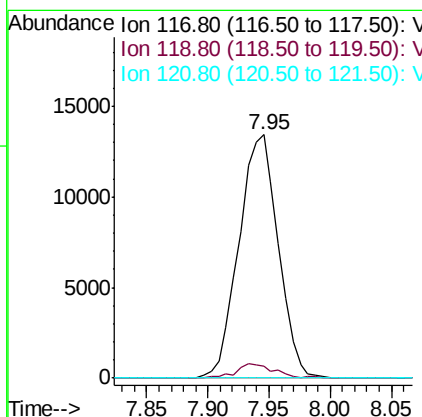
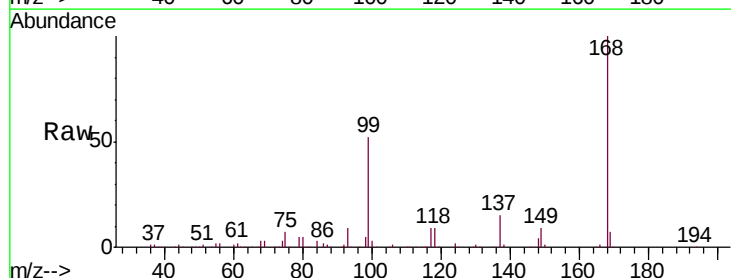
Instrument :
 MSVOA_W
 ClientSampleId :
 RBR-200052

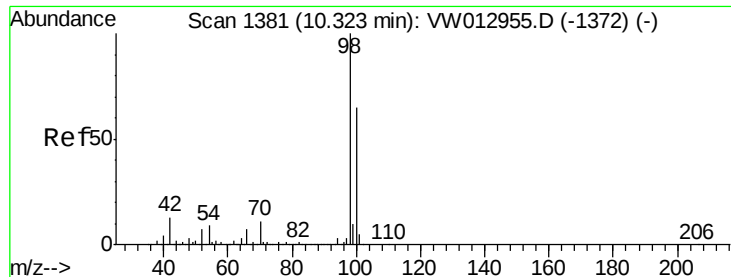
Tgt Ion	Ratio	Lower	Upper
75	100		
110	3.2	16.4	49.1#
77	0.0	25.1	37.7#



#38
 Carbon Tetrachloride
 Concen: 7.336 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW013065.D
 Acq: 17 Sep 2019 03:12

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.8	79.4	119.0#
121	0.0	24.6	36.8#

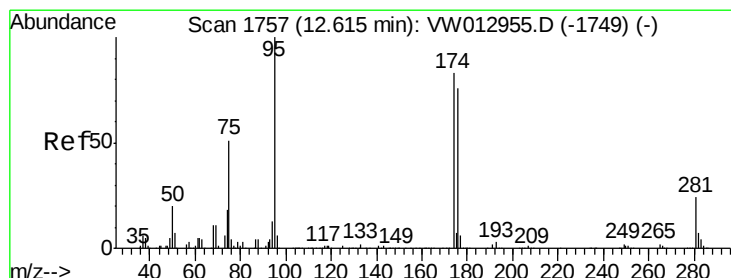
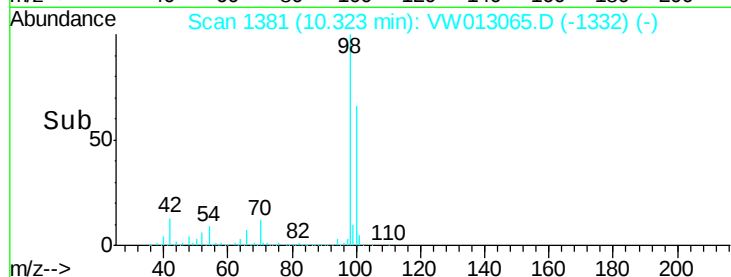
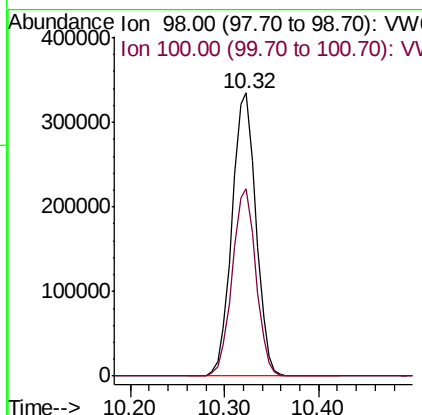
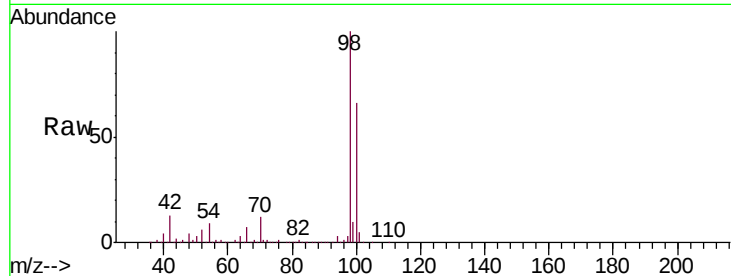




#50
Toluene-d8
Concen: 55.856 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013065.D
Acq: 17 Sep 2019 03:12

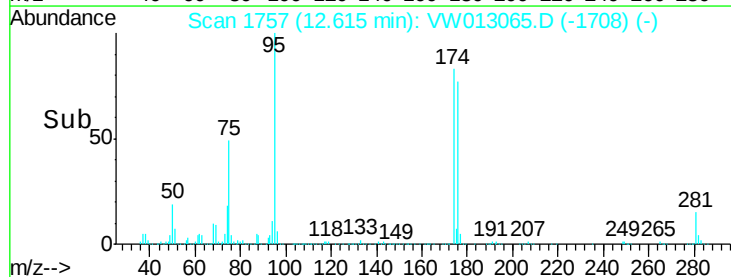
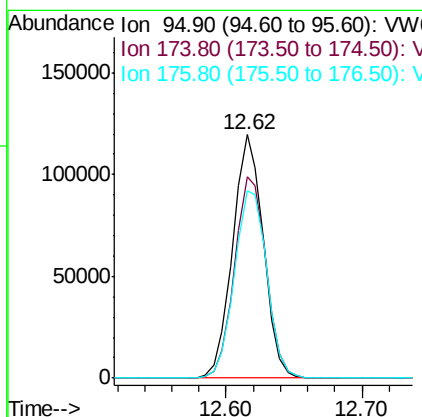
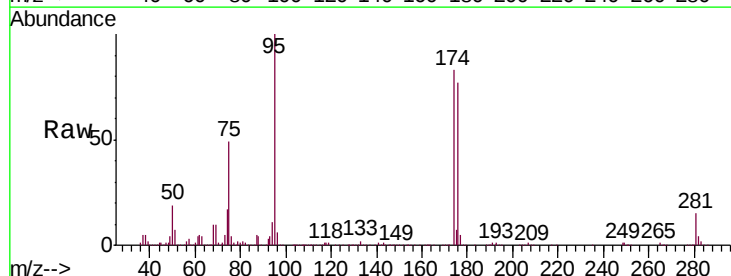
Instrument :
MSVOA_W
ClientSampleId :
RBR-200052

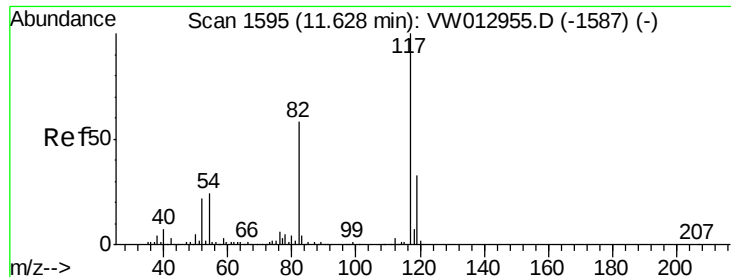
Tgt Ion: 98 Resp: 591443
Ion Ratio Lower Upper
98 100
100 65.4 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 49.146 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW013065.D
Acq: 17 Sep 2019 03:12

Tgt Ion: 95 Resp: 187123
Ion Ratio Lower Upper
95 100
174 85.7 0.0 170.4
176 82.1 0.0 164.6

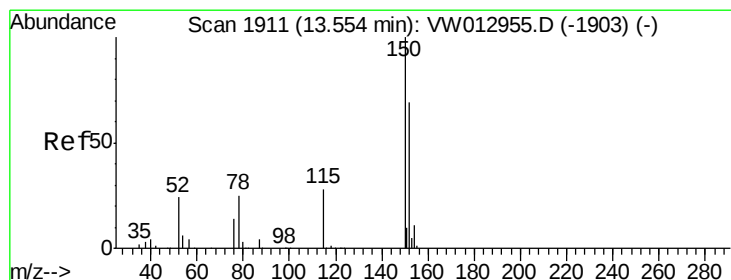
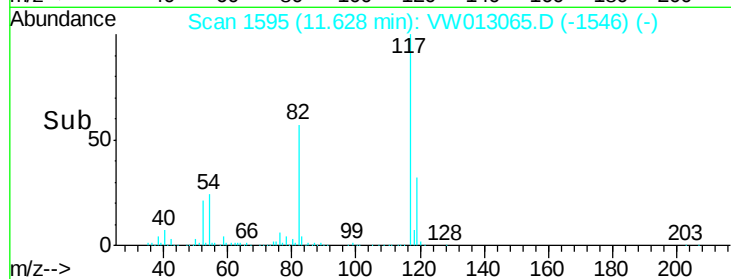
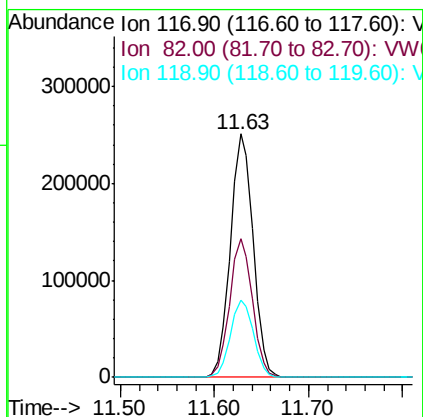
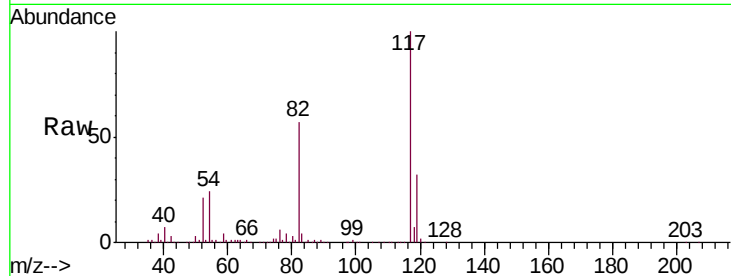




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013065.D
Acq: 17 Sep 2019 03:12

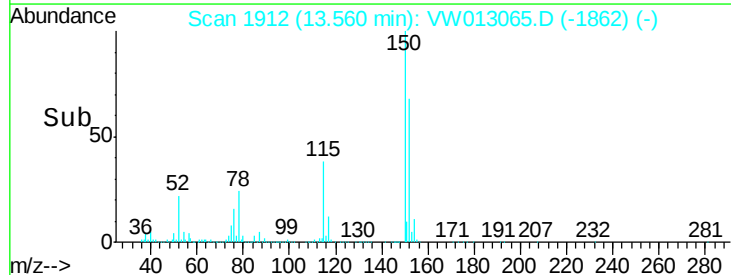
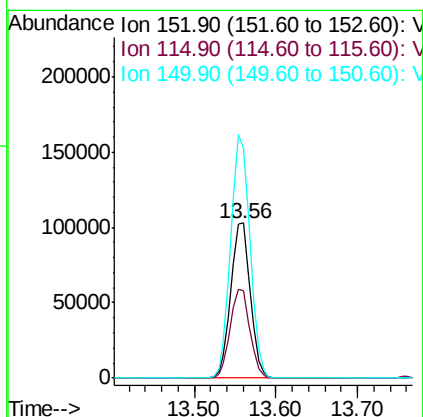
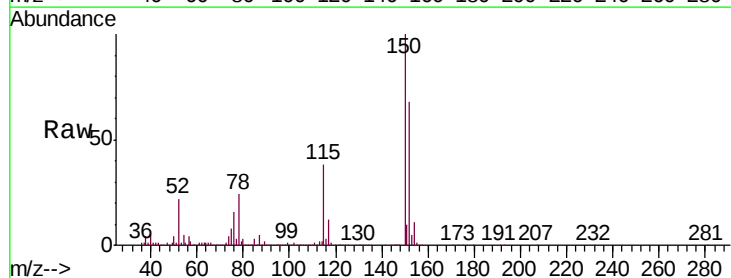
Instrument :
MSVOA_W
ClientSampleId :
RBR-200052

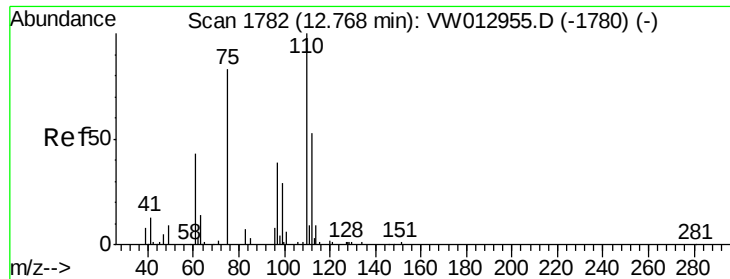
Tgt Ion:117 Resp: 421084
Ion Ratio Lower Upper
117 100
82 57.2 46.3 69.5
119 32.0 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.01 min
Lab File: VW013065.D
Acq: 17 Sep 2019 03:12

Tgt Ion:152 Resp: 168229
Ion Ratio Lower Upper
152 100
115 57.3 28.8 86.4
150 154.7 0.0 340.2





#76

1,2,3-Trichloropropane

Concen: 64.243 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013065.D

Acq: 17 Sep 2019 03:12

Instrument :

MSVOA_W

ClientSampleId :

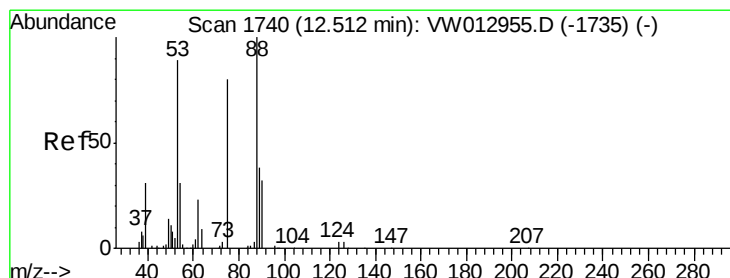
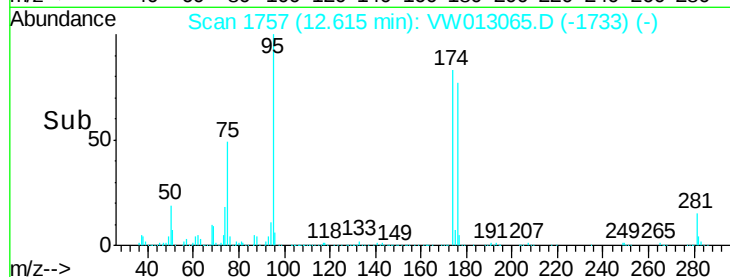
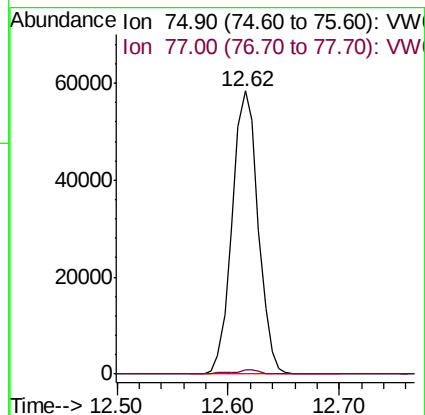
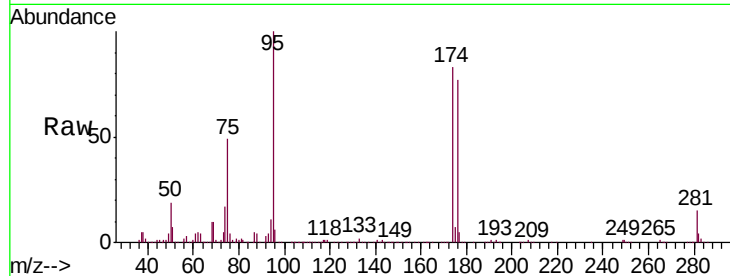
RBR-200052

Tgt Ion: 75 Resp: 94665

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 145.733 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013065.D

Acq: 17 Sep 2019 03:12

Tgt Ion: 75 Resp: 94665

Ion Ratio Lower Upper

75 100

53 0.2 85.6 128.4#

89 0.3 37.2 55.8#

