

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091619\
 Data File : VW013073.D
 Acq On : 17 Sep 2019 06:40
 Operator : SY/VA
 Sample : K4893-01
 Misc : 4.99G/5ML/MSVOA_W/SOIL
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 RBR-200059-RT-1494

Quant Time: Sep 17 08:47:55 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	32366	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	47231	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	40396	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	14710	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	19517	65.29	ug/l	0.00
Spiked Amount			Recovery	=	130.58%	
35) Dibromofluoromethane	7.88	113	15428	60.20	ug/l	0.00
Spiked Amount			Recovery	=	120.40%	
50) Toluene-d8	10.32	98	56007	55.85	ug/l	0.00
Spiked Amount			Recovery	=	111.70%	
62) 4-Bromofluorobenzene	12.62	95	16798	46.58	ug/l	0.00
Spiked Amount			Recovery	=	93.16%	

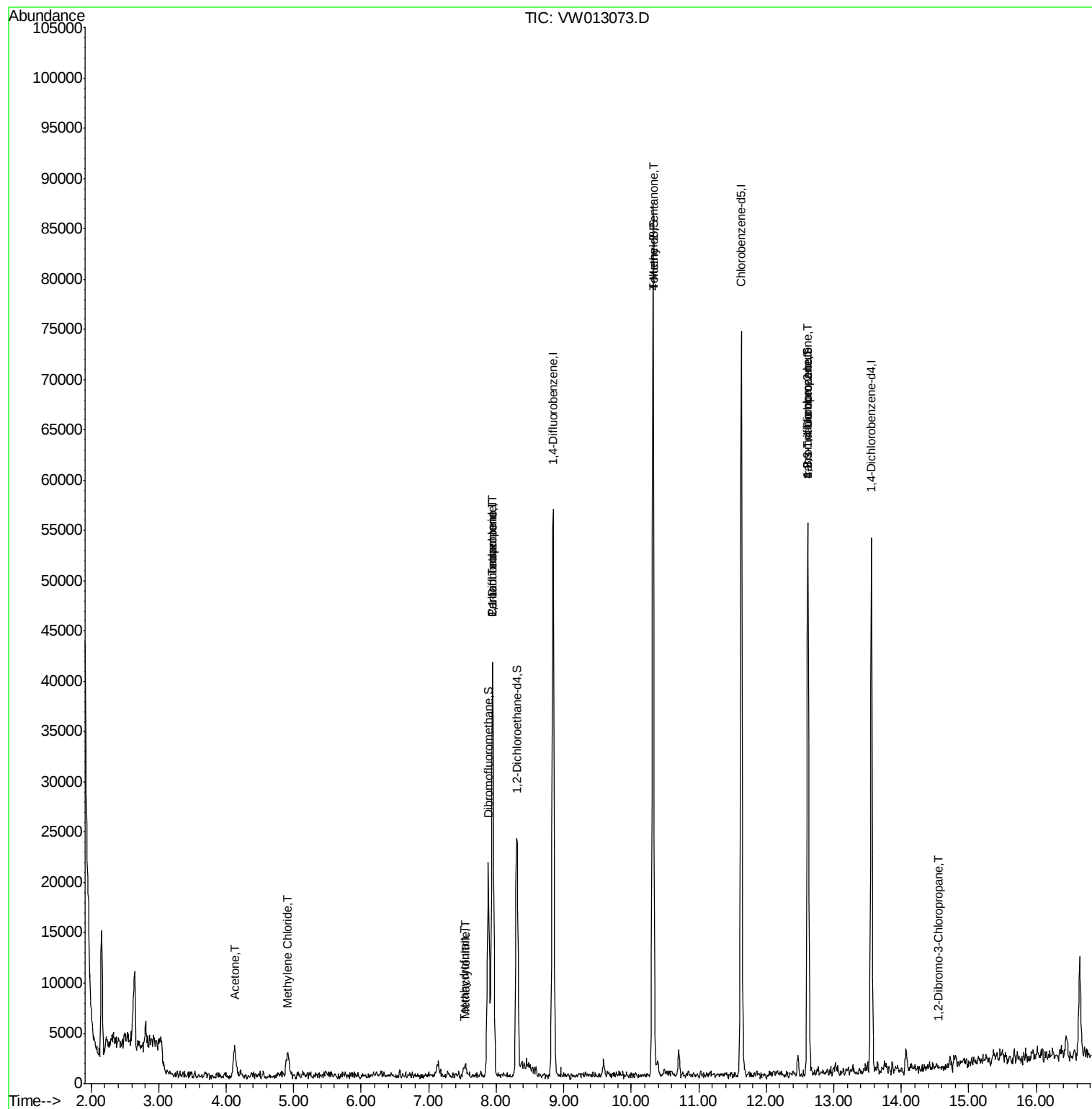
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.21	50	418	Below Cal	#	81
11) Tert butyl alcohol	5.15	59	216	Below Cal	#	72
13) Acrolein	3.95	56	48	Below Cal	#	15
16) Acetone	4.13	43	5565	71.868	ug/l	97
20) Methylene Chloride	4.91	84	1816	2.603	ug/l #	83
26) 2,2-Dichloropropane	7.40	77	23	Below Cal	#	55
29) Tetrahydrofuran	7.53	42	402	7.423	ug/l #	45
31) Cyclohexane	7.95	56	768	Below Cal	#	26
36) 1,1-Dichloropropene	7.95	75	2519	6.674	ug/l #	53
38) Carbon Tetrachloride	7.94	117	2996	7.746	ug/l #	18
41) Methacrylonitrile	7.54	41	835	6.329	ug/l #	44
51) 4-Methyl-2-Pentanone	10.32	43	271	1.365	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	8333	64.673	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	8333	146.710	ug/l #	7
92) 1,2-Dibromo-3-Chloropropan	14.55	75	52	1.659	ug/l #	1

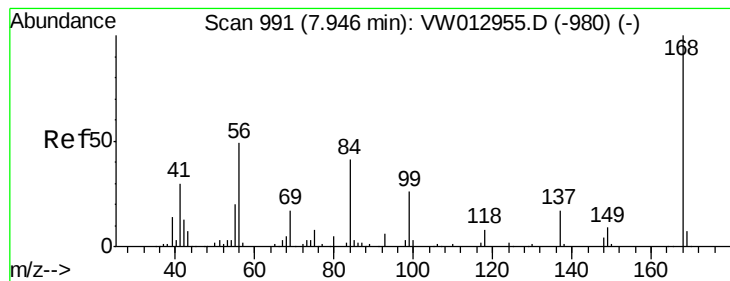
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW091619\
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Quant Title : SW846 8260
QLast Update : Fri Sep 13 17:26:01 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW013073.D

Acq: 17 Sep 2019 06:40

Instrument :

MSVOA_W

ClientSampleId :

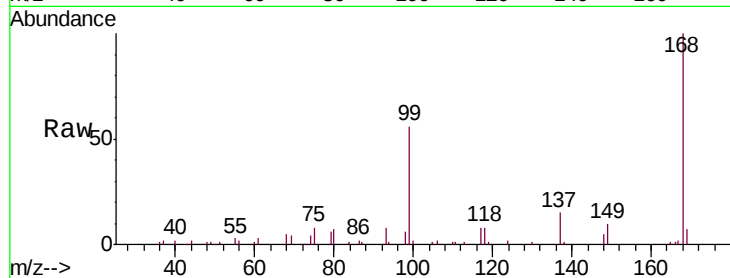
RBR-200059-RT-1494

Tgt Ion:168 Resp: 32366

Ion Ratio Lower Upper

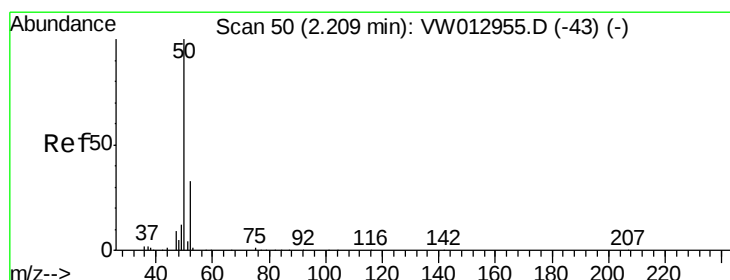
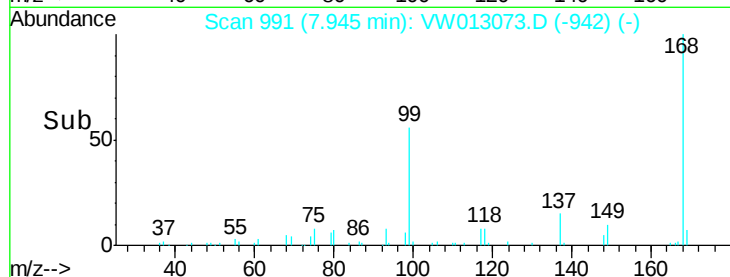
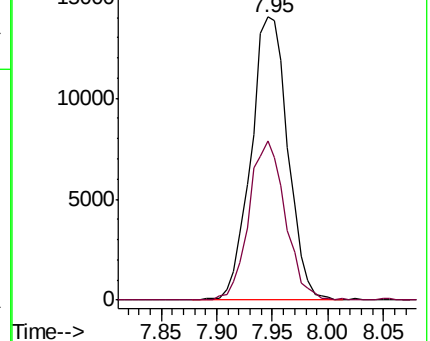
168 100

99 56.4 46.2 69.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#3

Chloromethane

Concen: Below Cal

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW013073.D

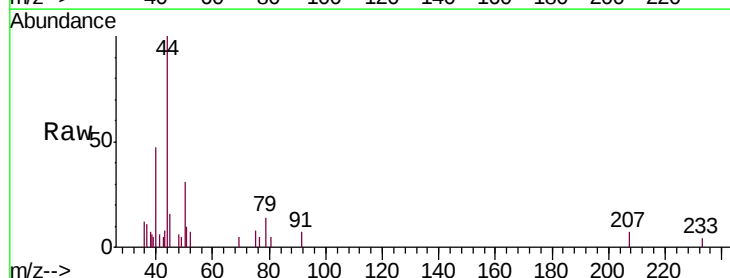
Acq: 17 Sep 2019 06:40

Tgt Ion: 50 Resp: 418

Ion Ratio Lower Upper

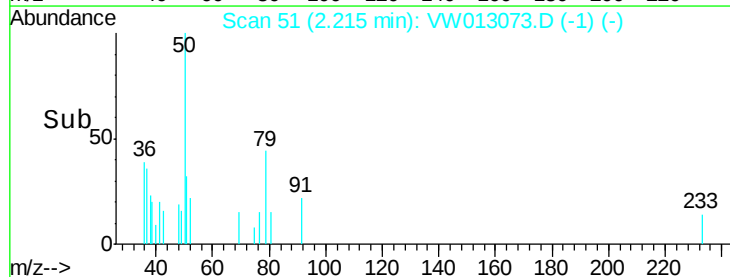
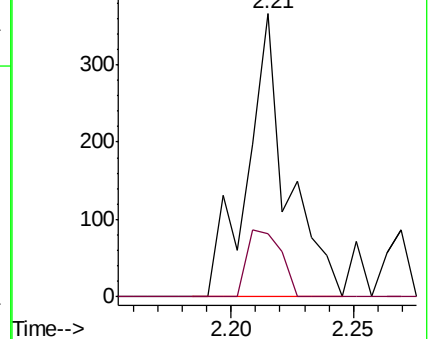
50 100

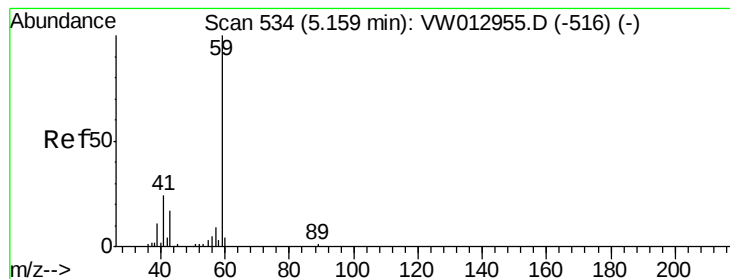
52 22.4 26.6 39.8#



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



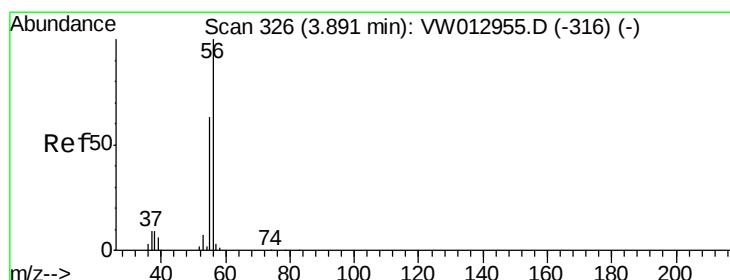
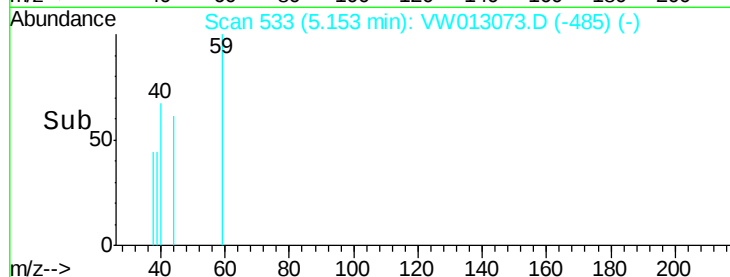
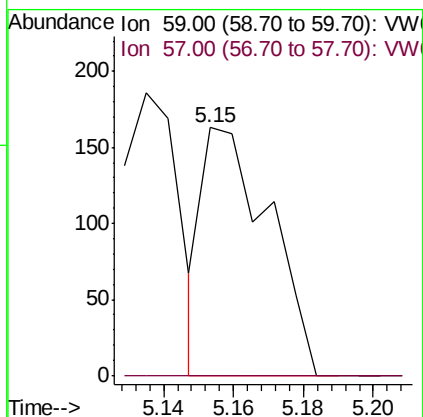
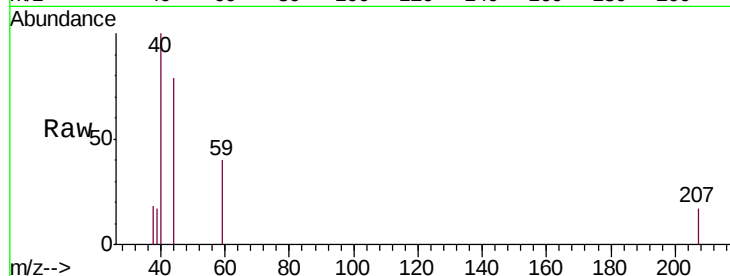


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.15 min Scan# 533
 Delta R.T. -0.01 min
 Lab File: VW013073.D
 Acq: 17 Sep 2019 06:40

Instrument :
 MSVOA_W
 ClientSampleId :
 RBR-200059-RT-1494

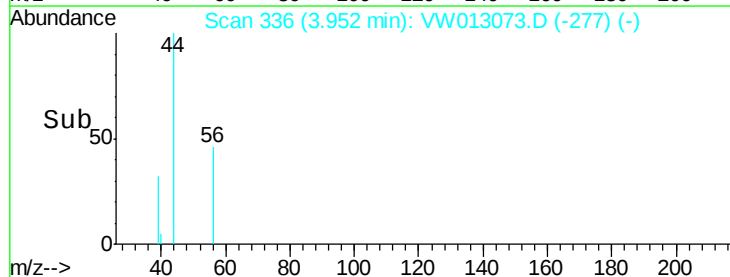
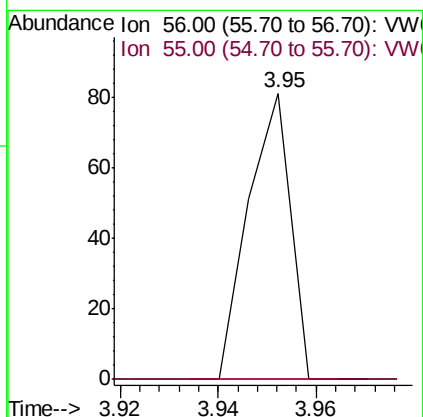
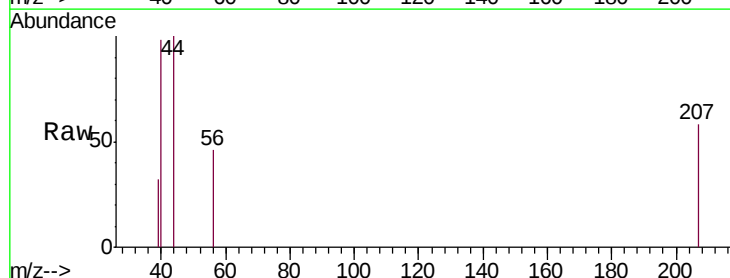
Tgt Ion: 59 Resp: 216
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#

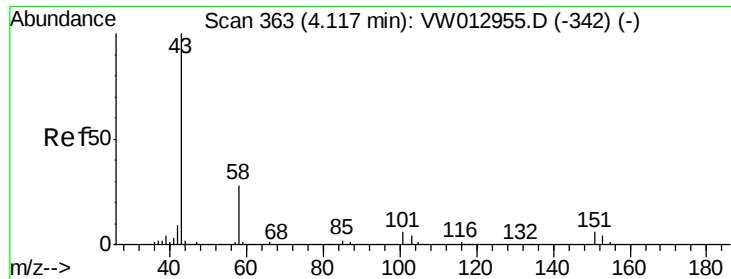


#13

Acrolein
 Concen: Below Cal
 RT: 3.95 min Scan# 336
 Delta R.T. 0.06 min
 Lab File: VW013073.D
 Acq: 17 Sep 2019 06:40

Tgt Ion: 56 Resp: 48
 Ion Ratio Lower Upper
 56 100
 55 0.0 55.8 83.8#





#16

Acetone

Concen: 71.868 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW013073.D

Acq: 17 Sep 2019 06:40

Instrument :

MSVOA_W

ClientSampleId :

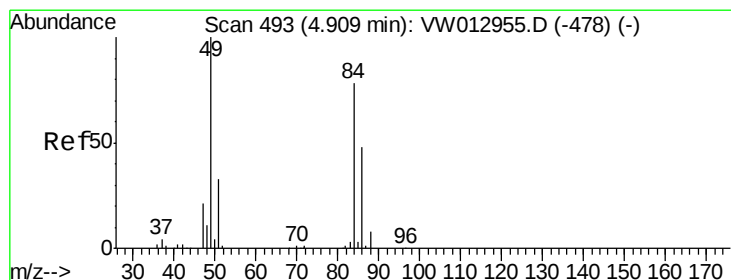
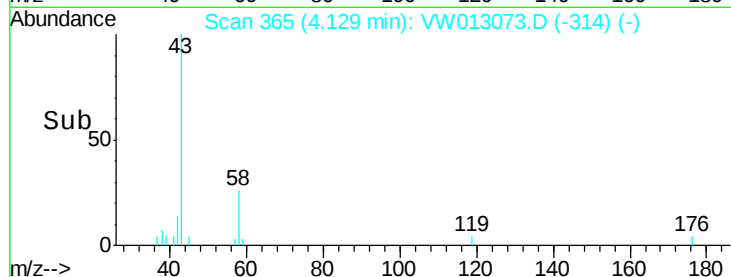
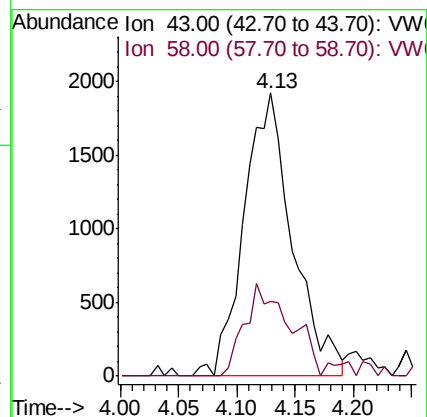
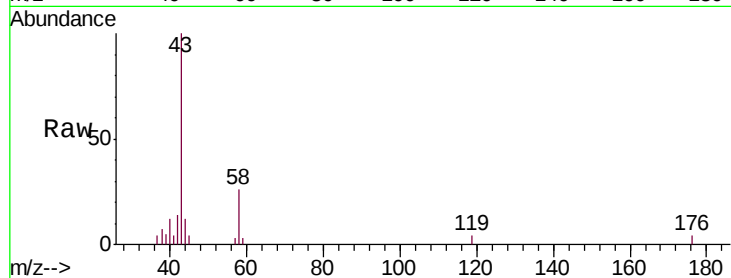
RBR-200059-RT-1494

Tgt Ion: 43 Resp: 5565

Ion Ratio Lower Upper

43 100

58 26.4 22.3 33.5



#20

Methylene Chloride

Concen: 2.603 ug/l

RT: 4.91 min Scan# 493

Delta R.T. 0.00 min

Lab File: VW013073.D

Acq: 17 Sep 2019 06:40

Tgt Ion: 84 Resp: 1816

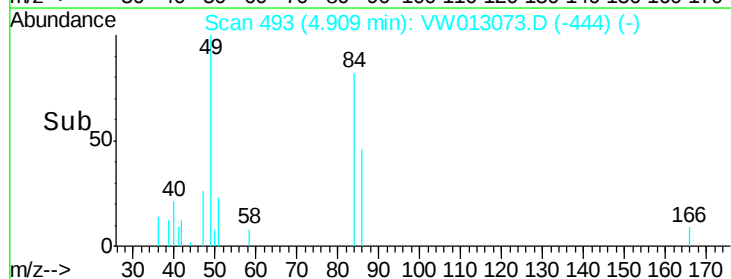
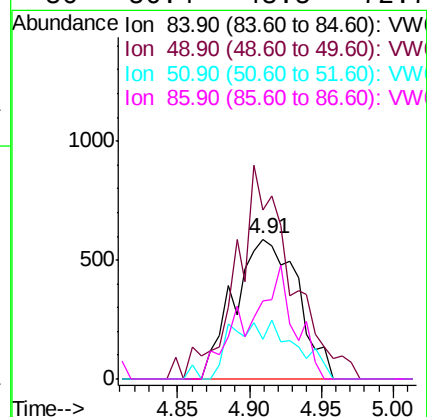
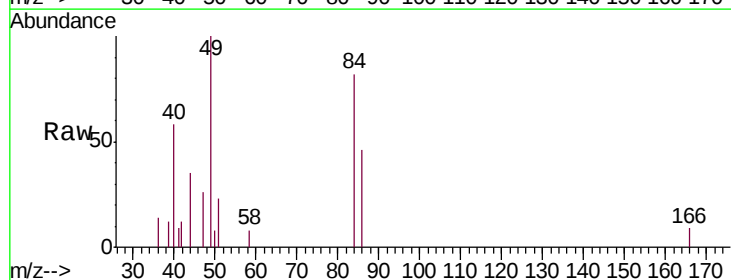
Ion Ratio Lower Upper

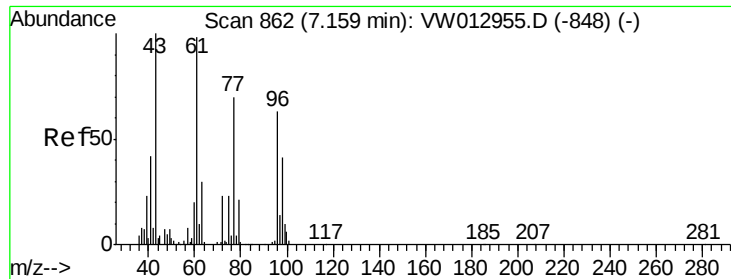
84 100

49 104.6 102.0 153.0

51 28.1 34.0 51.0#

86 56.4 48.5 72.7

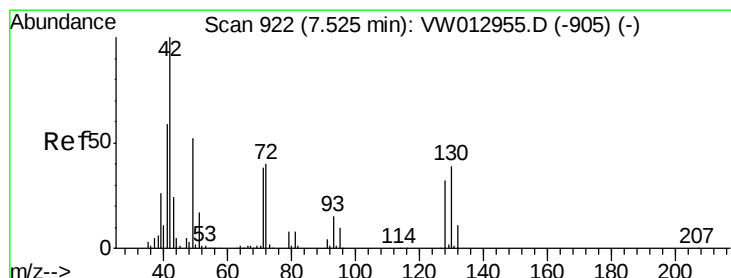
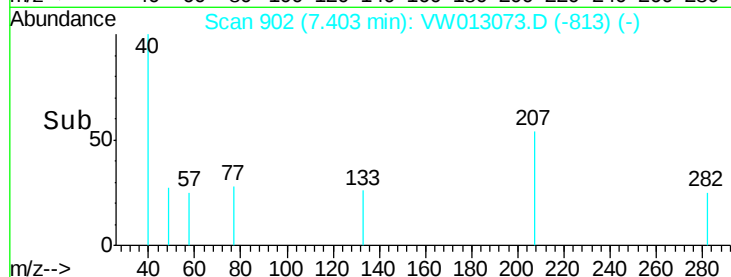
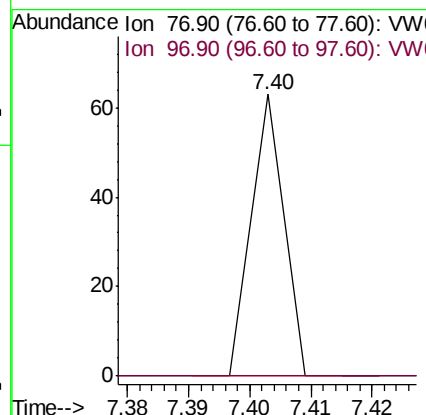
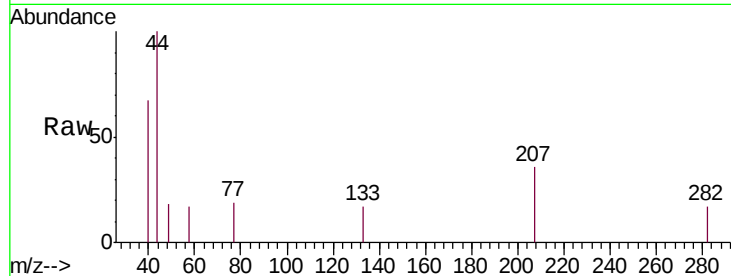




#26
 2,2-Dichloropropane
 Concen: Below Cal
 RT: 7.40 min Scan# 902
 Delta R.T. 0.24 min
 Lab File: VW013073.D
 Acq: 17 Sep 2019 06:40

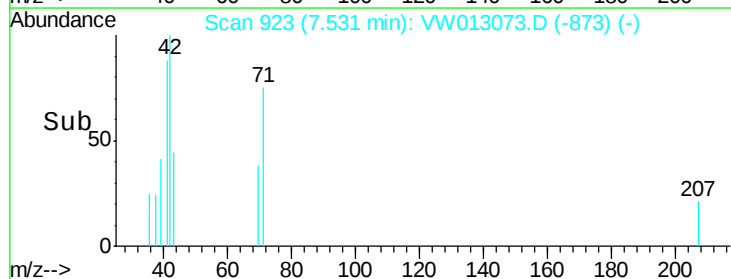
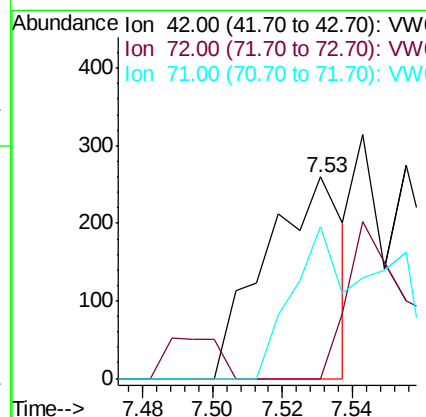
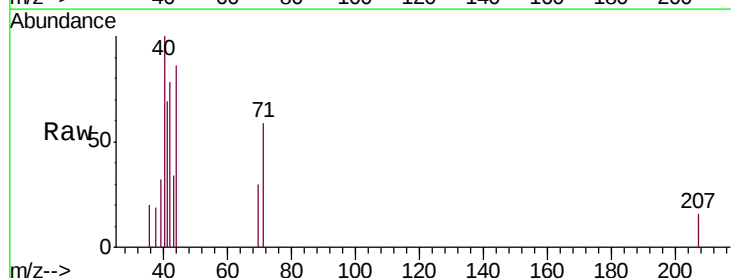
Instrument :
 MSVOA_W
 ClientSampleId :
 RBR-200059-RT-1494

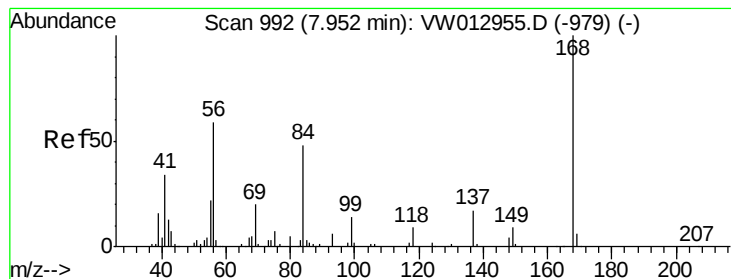
Tgt Ion: 77 Resp: 23
 Ion Ratio Lower Upper
 77 100
 97 0.0 10.7 32.1#



#29
 Tetrahydrofuran
 Concen: 7.423 ug/l
 RT: 7.53 min Scan# 923
 Delta R.T. 0.01 min
 Lab File: VW013073.D
 Acq: 17 Sep 2019 06:40

Tgt Ion: 42 Resp: 402
 Ion Ratio Lower Upper
 42 100
 72 57.5 31.4 47.0#
 71 85.8 29.8 44.8#





#31

Cyclohexane

Concen: Below Cal

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW013073.D

Acq: 17 Sep 2019 06:40

Instrument :

MSVOA_W

ClientSampleId :

RBR-200059-RT-1494

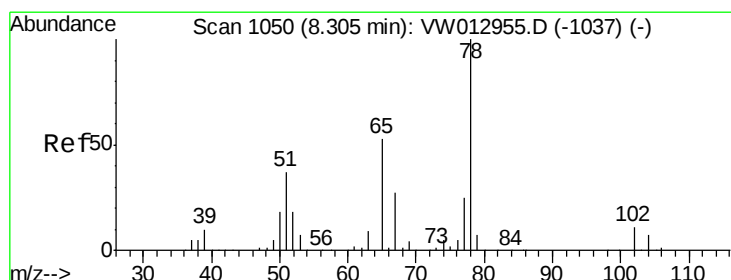
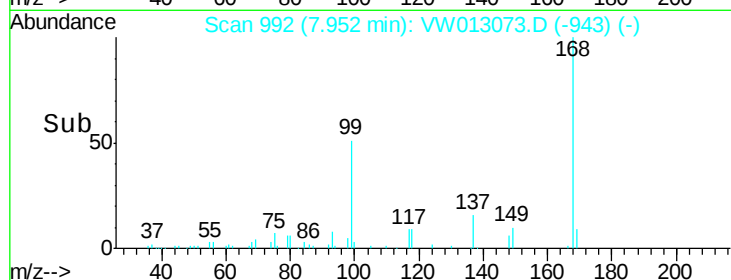
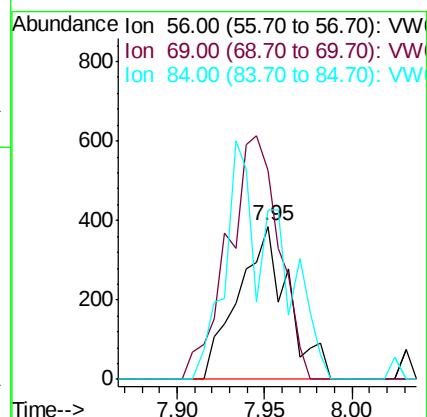
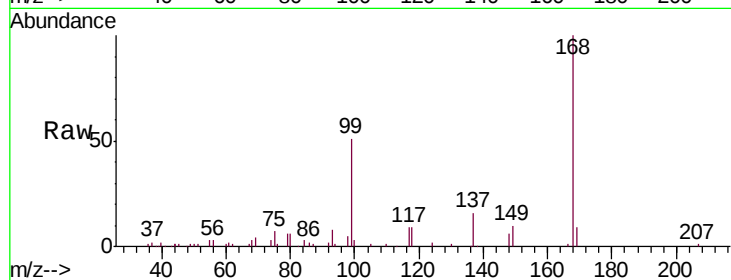
Tgt Ion: 56 Resp: 768

Ion Ratio Lower Upper

56 100

69 136.5 27.0 40.6#

84 110.9 66.2 99.2#



#33

1,2-Dichloroethane-d4

Concen: 65.291 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW013073.D

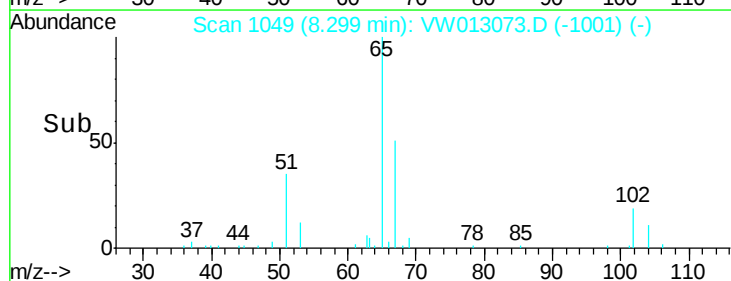
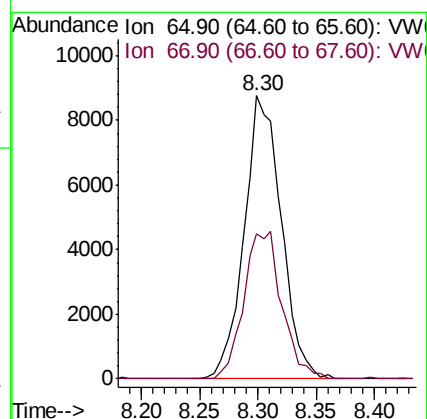
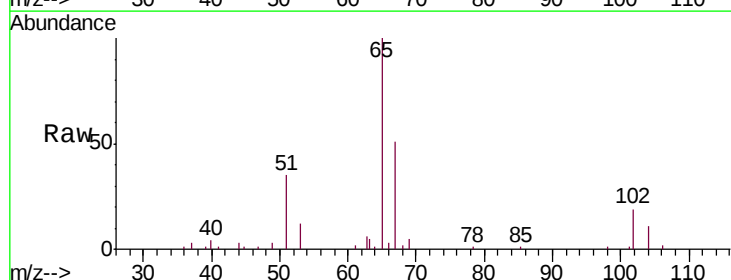
Acq: 17 Sep 2019 06:40

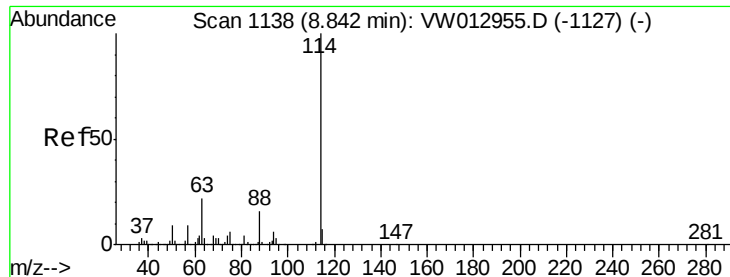
Tgt Ion: 65 Resp: 19517

Ion Ratio Lower Upper

65 100

67 53.2 0.0 101.2

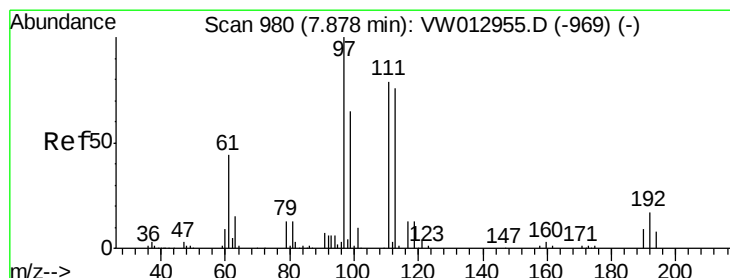
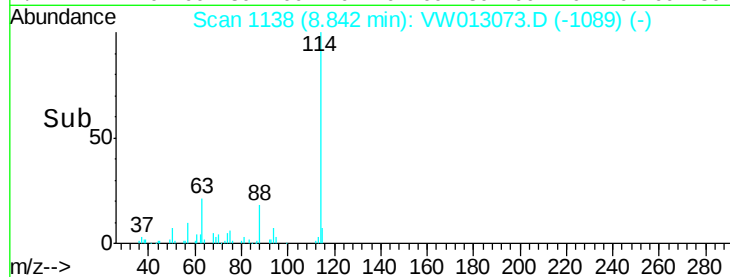
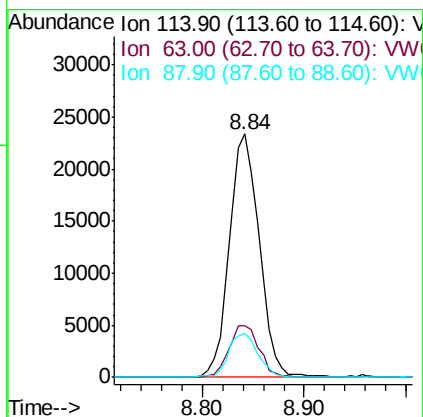
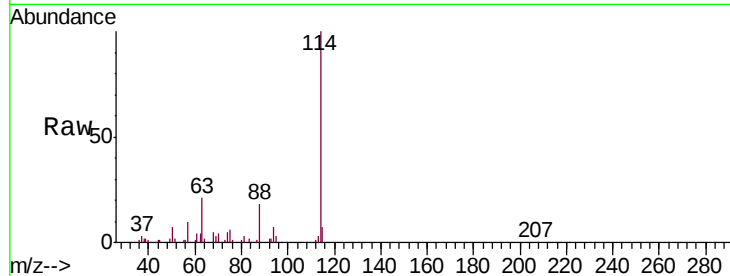




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013073.D
 Acq: 17 Sep 2019 06:40

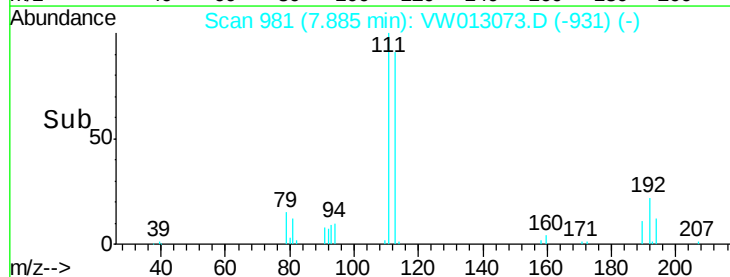
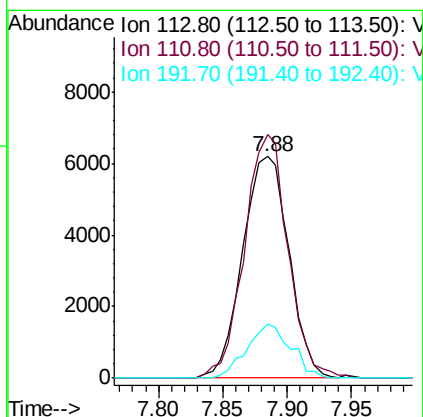
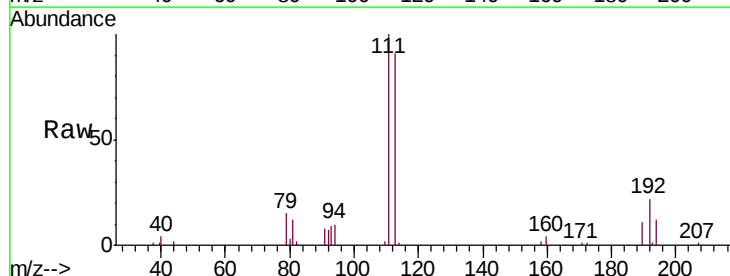
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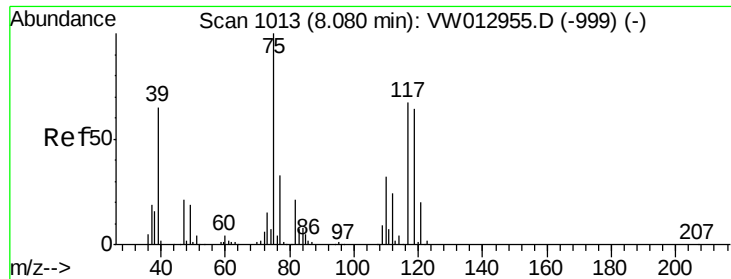
Tgt Ion:114 Resp: 47231
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 43.4
 88 18.2 0.0 31.6



#35
 Dibromofluoromethane
 Concen: 60.200 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VW013073.D
 Acq: 17 Sep 2019 06:40

Tgt Ion:113 Resp: 15428
 Ion Ratio Lower Upper
 113 100
 111 103.1 82.8 124.2
 192 23.1 17.8 26.8

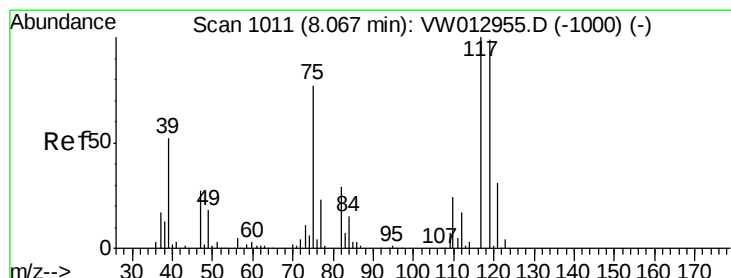
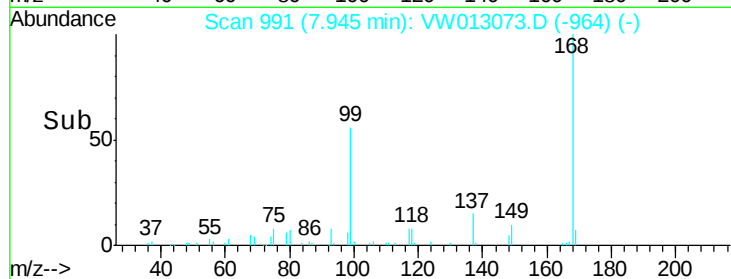
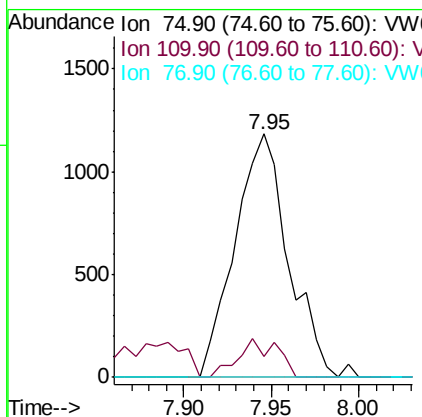
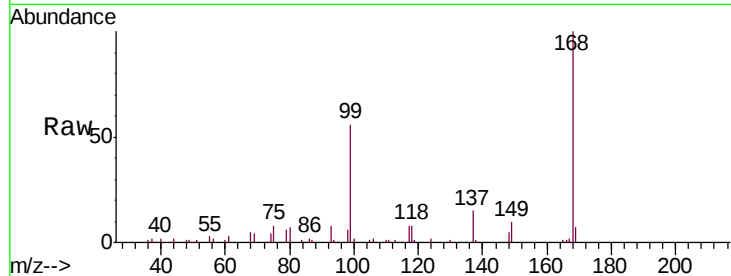




#36
 1,1-Dichloropropene
 Concen: 6.674 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW013073.D
 Acq: 17 Sep 2019 06:40

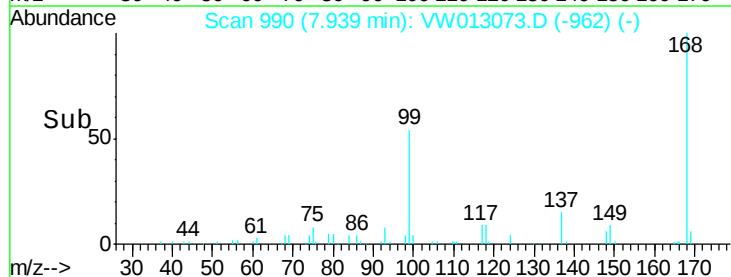
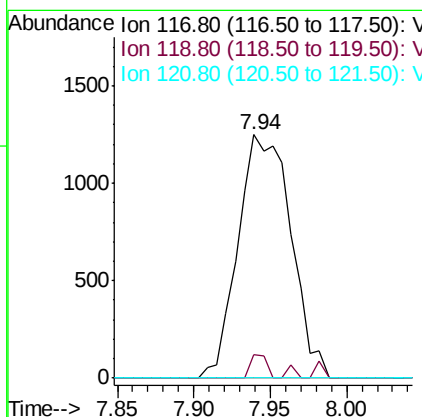
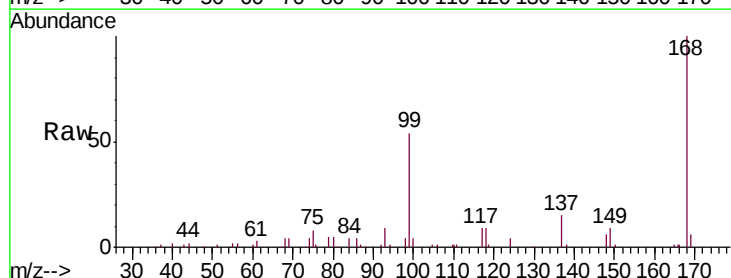
Instrument :
 MSVOA_W
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 RBR-200059-RT-1494

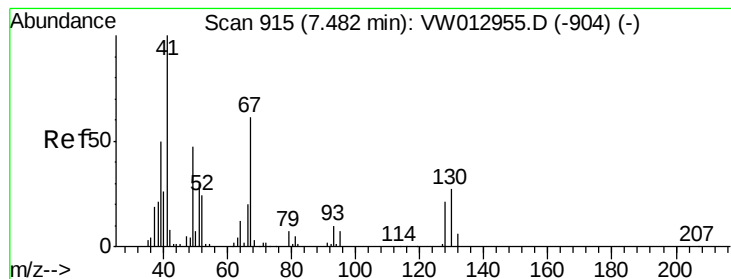
Tgt Ion: 75 Resp: 2519
 Ion Ratio Lower Upper
 75 100
 110 11.5 16.4 49.1#
 77 0.0 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 7.746 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.13 min
 Lab File: VW013073.D
 Acq: 17 Sep 2019 06:40

Tgt Ion: 117 Resp: 2996
 Ion Ratio Lower Upper
 117 100
 119 9.5 79.4 119.0#
 121 0.0 24.6 36.8#





#41

Methacrylonitrile

Concen: 6.329 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.06 min

Lab File: VW013073.D

Acq: 17 Sep 2019 06:40

Instrument :

MSVOA_W

ClientSampleId :

RBR-200059-RT-1494

Tgt Ion: 41 Resp: 835

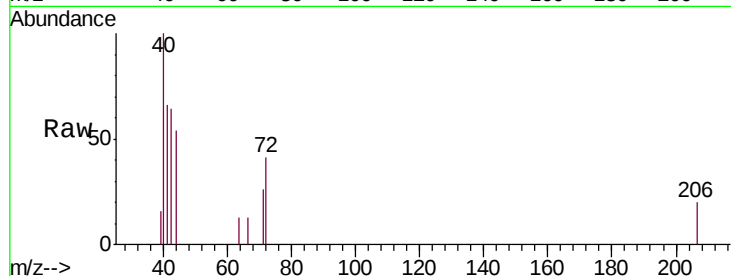
Ion Ratio Lower Upper

41 100

39 34.3 48.2 72.4#

67 0.0 47.5 71.3#

52 0.0 21.0 31.4#

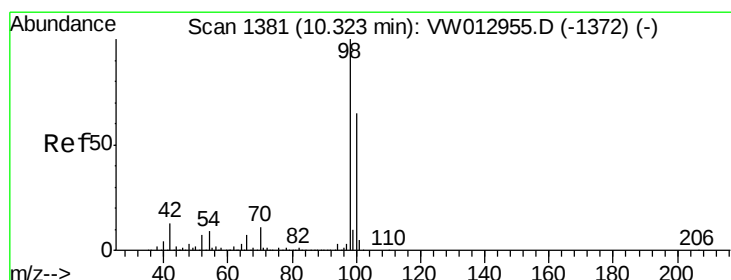
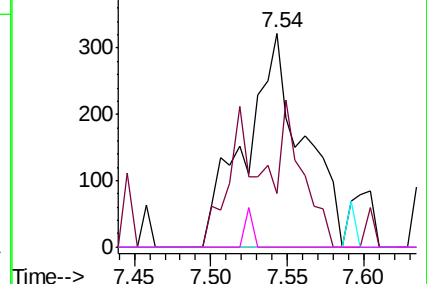
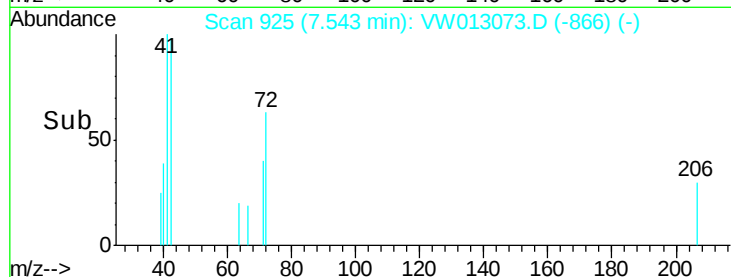


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#50

Toluene-d8

Concen: 55.847 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW013073.D

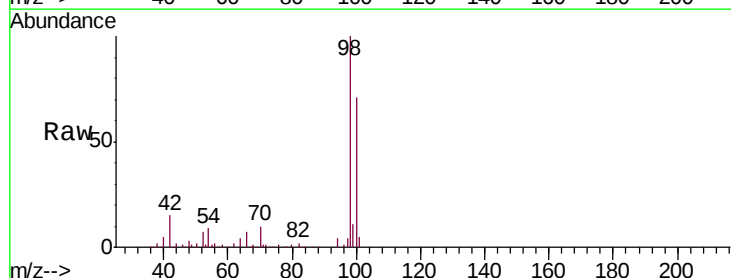
Acq: 17 Sep 2019 06:40

Tgt Ion: 98 Resp: 56007

Ion Ratio Lower Upper

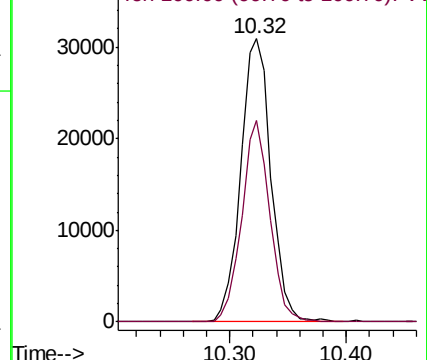
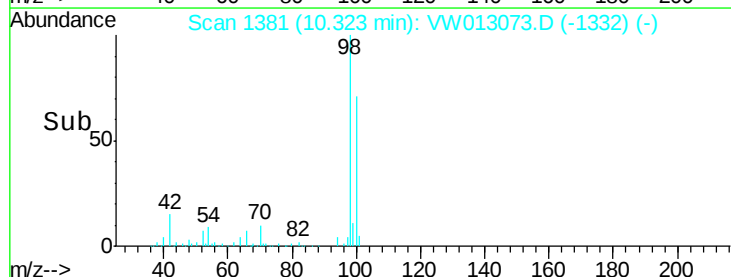
98 100

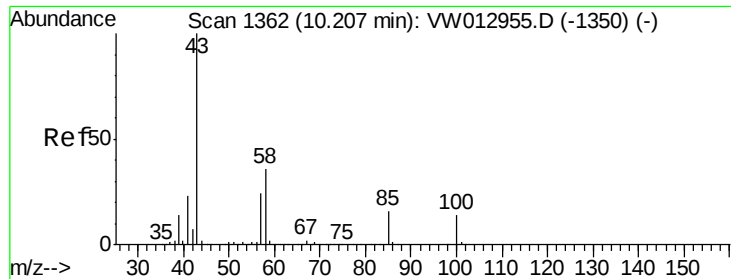
100 66.1 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 1.365 ug/l

RT: 10.32 min Scan# 1380

Delta R.T. 0.11 min

Lab File: VW013073.D

Acq: 17 Sep 2019 06:40

Instrument :

MSVOA_W

ClientSampleId :

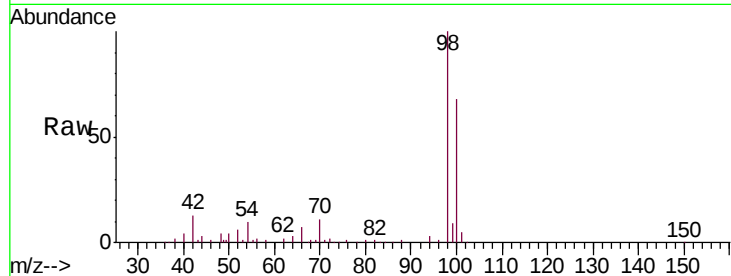
RBR-200059-RT-1494

Tgt Ion: 43 Resp: 271

Ion Ratio Lower Upper

43 100

58 238.7 29.5 44.3#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

500

400

300

200

100

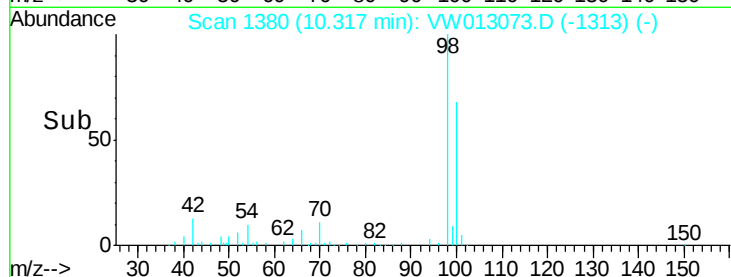
0

10.25

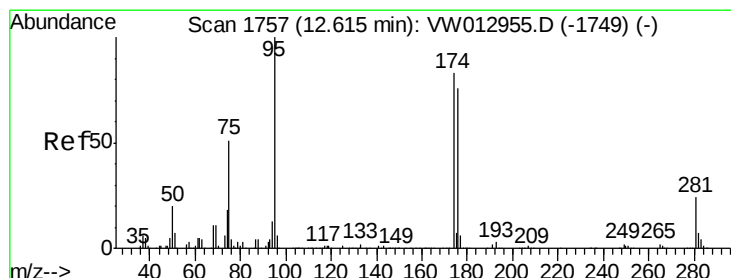
10.30

10.32

10.35



Time-->



#62

4-Bromofluorobenzene

Concen: 46.583 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW013073.D

Acq: 17 Sep 2019 06:40

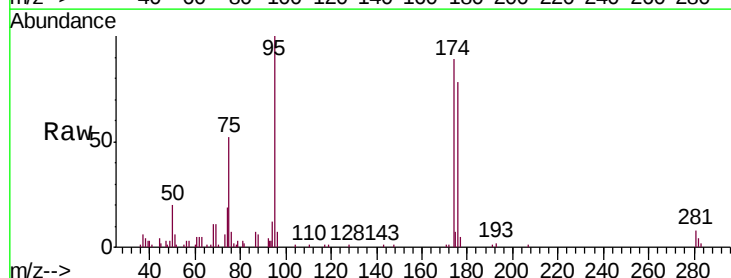
Tgt Ion: 95 Resp: 16798

Ion Ratio Lower Upper

95 100

174 90.2 0.0 170.4

176 83.6 0.0 164.6



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

10000

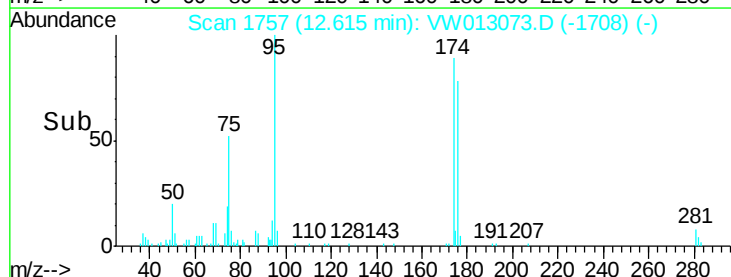
5000

0

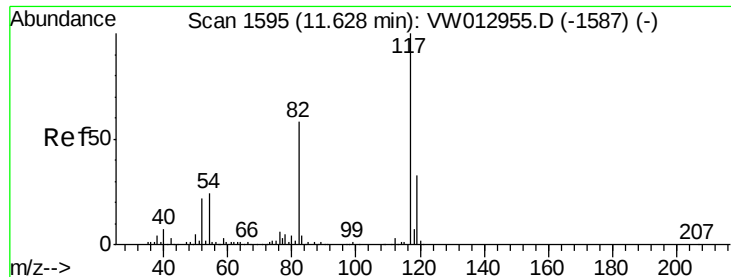
12.60

12.62

12.70



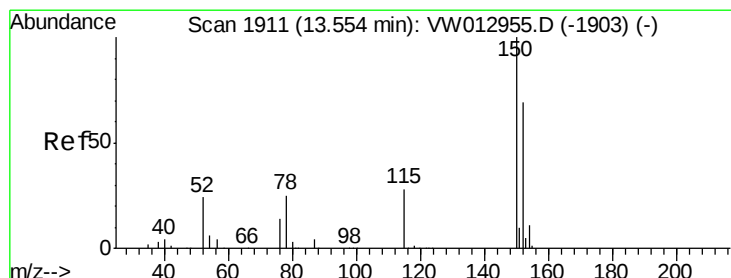
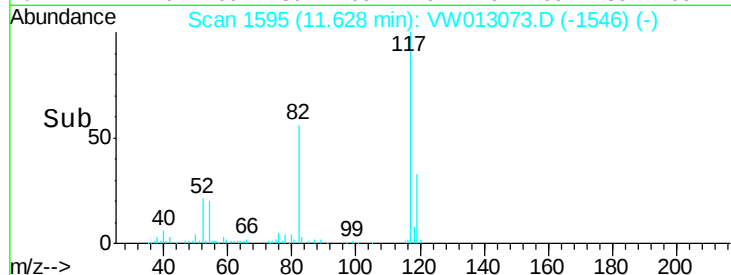
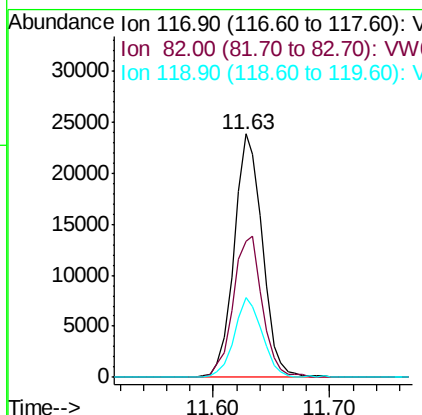
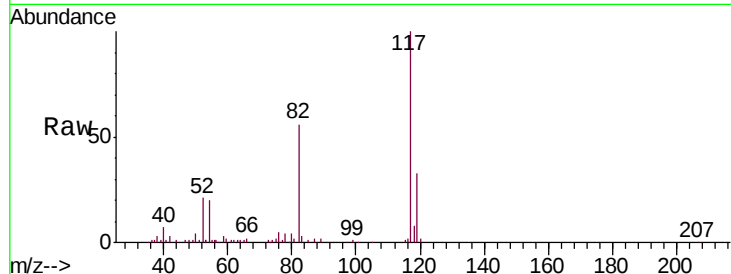
Time-->



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013073.D
Acq: 17 Sep 2019 06:40

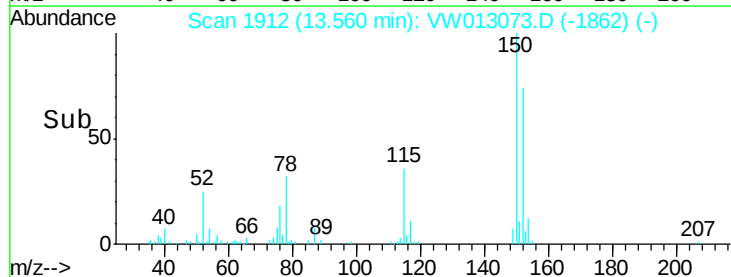
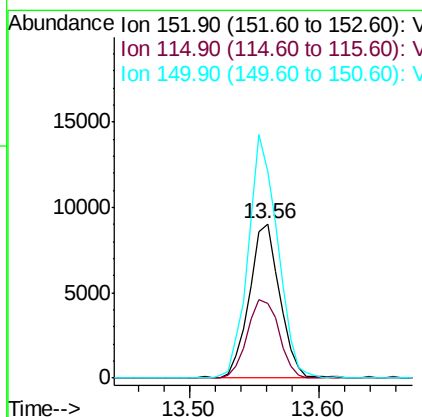
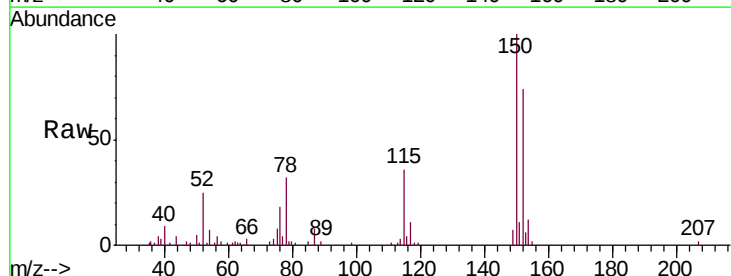
Instrument :
MSVOA_W
ClientSampleId :
RBR-200059-RT-1494

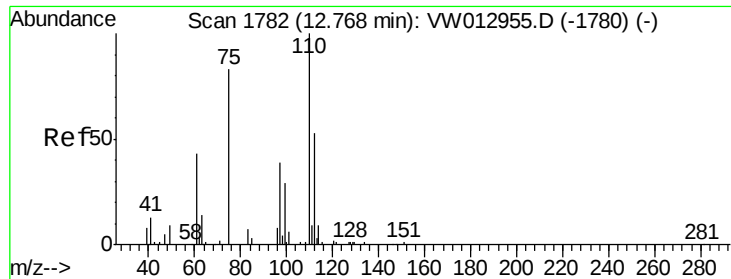
Tgt Ion:117 Resp: 40396
Ion Ratio Lower Upper
117 100
82 56.1 46.3 69.5
119 32.9 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.01 min
Lab File: VW013073.D
Acq: 17 Sep 2019 06:40

Tgt Ion:152 Resp: 14710
Ion Ratio Lower Upper
152 100
115 52.9 28.8 86.4
150 151.6 0.0 340.2





#76

1,2,3-Trichloropropane

Concen: 64.673 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013073.D

Acq: 17 Sep 2019 06:40

Instrument :

MSVOA_W

ClientSampleId :

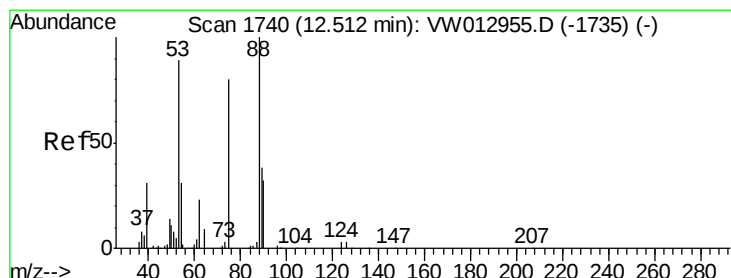
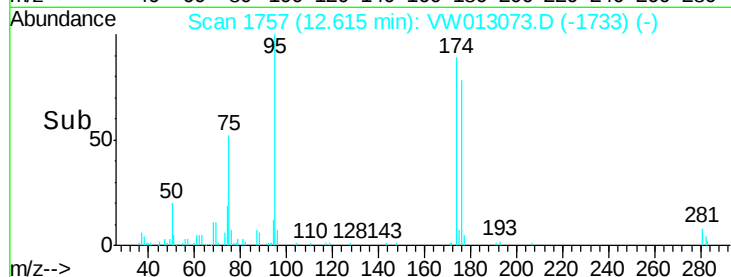
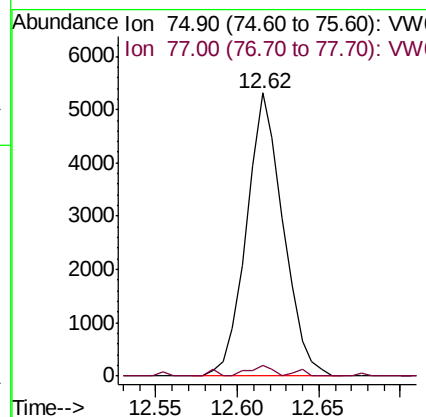
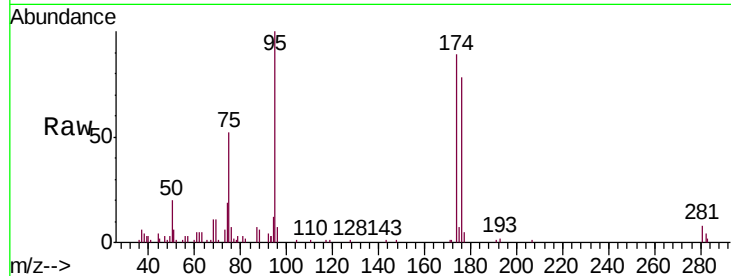
RBR-200059-RT-1494

Tgt Ion: 75 Resp: 8333

Ion Ratio Lower Upper

75 100

77 2.5 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 146.710 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013073.D

Acq: 17 Sep 2019 06:40

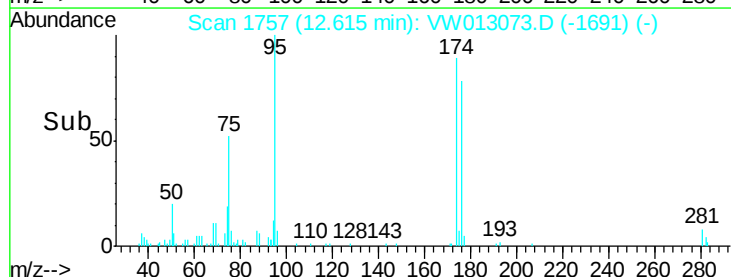
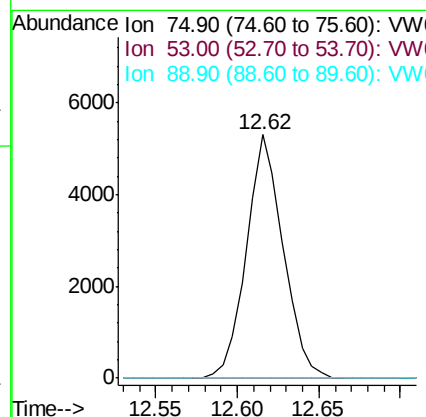
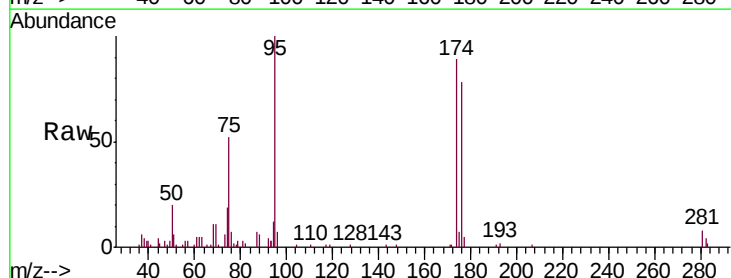
Tgt Ion: 75 Resp: 8333

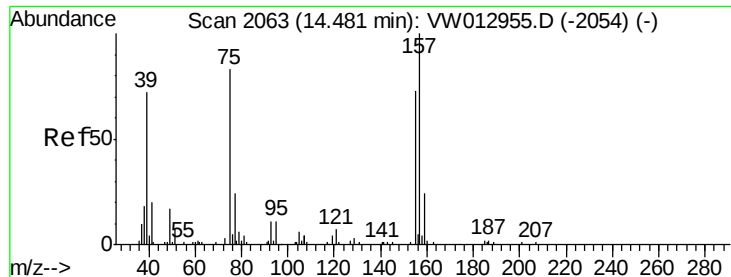
Ion Ratio Lower Upper

75 100

53 0.0 85.6 128.4#

89 0.0 37.2 55.8#

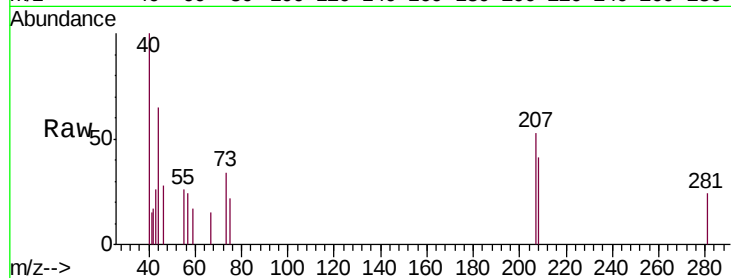




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.659 ug/l
 RT: 14.55 min Scan# 2074
 Delta R.T. 0.07 min
 Lab File: VW013073.D
 Acq: 17 Sep 2019 06:40

Instrument :
 MSVOA_W
 ClientSampleId :
 RBR-200059-RT-1494

Tgt Ion: 75 Resp: 52
 Ion Ratio Lower Upper
 75 100
 155 0.0 43.3 129.9#
 157 0.0 54.7 164.1#



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

