

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091619\
 Data File : VW013062.D
 Acq On : 17 Sep 2019 01:55
 Operator : SY/VA
 Sample : K4885-01
 Misc : 6.40G/5ML/MSVOA_W/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 RT-1868-RBR-200035

Quant Time: Sep 17 07:27:43 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	7.94	168	361033	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	560827	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	464541	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	192982	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	183333	54.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.96%	
35) Dibromofluoromethane	7.88	113	158839	52.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.40%	
50) Toluene-d8	10.32	98	663812	55.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.48%	
62) 4-Bromofluorobenzene	12.62	95	206285	48.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.36%	

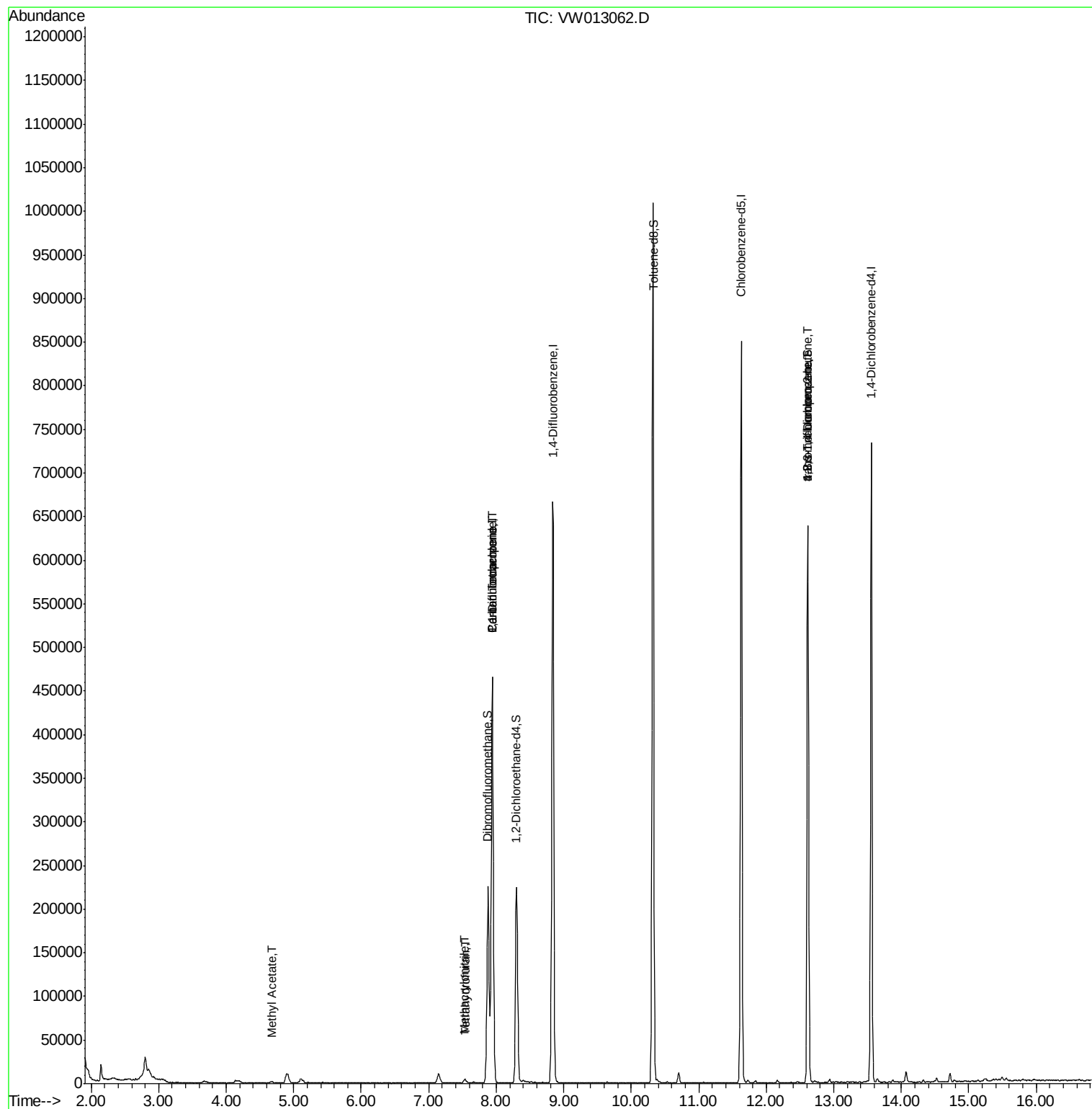
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.23	85	34	Below Cal	#	44
3) Chloromethane	2.20	50	306	Below Cal	#	41
11) Tert butyl alcohol	5.11	59	2477	Below Cal	#	72
13) Acrolein	3.99	56	21	Below Cal	#	15
16) Acetone	4.15	43	5646	Below Cal		91
18) Methyl Acetate	4.68	43	3610	1.900	ug/l #	81
20) Methylene Chloride	4.90	84	8555	Below Cal		98
26) 2,2-Dichloropropane	7.14	77	782	Below Cal	#	55
29) Tetrahydrofuran	7.54	42	3541	5.861	ug/l	92
31) Cyclohexane	7.94	56	7326	Below Cal	#	1
36) 1,1-Dichloropropene	7.94	75	26749	5.969	ug/l #	51
38) Carbon Tetrachloride	7.94	117	33667	7.331	ug/l #	14
41) Methacrylonitrile	7.53	41	2579	1.646	ug/l #	48
76) 1,2,3-Trichloropropane	12.62	75	104754	61.971	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	104754	140.580	ug/l #	7

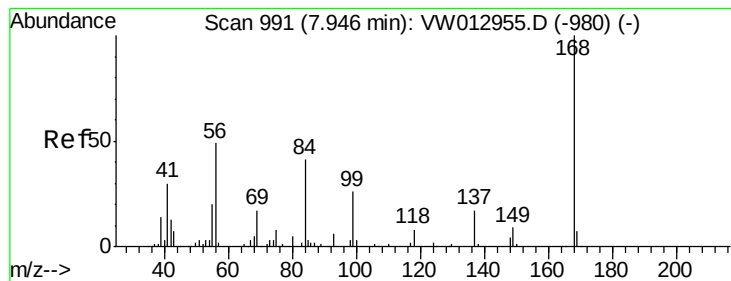
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW013062.D

Acq: 17 Sep 2019 01:55

Instrument :

MSVOA_W

ClientSampleId :

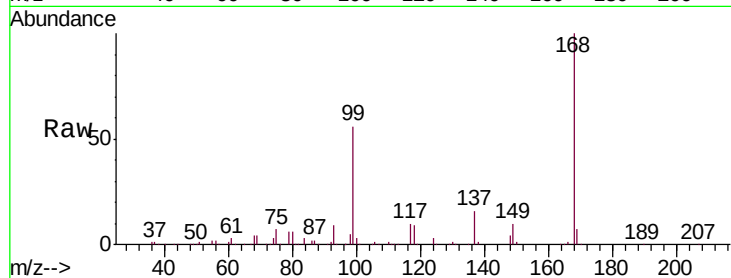
RT-1868-RBR-200035

Tgt Ion:168 Resp: 361033

Ion Ratio Lower Upper

168 100

99 55.8 46.2 69.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.94

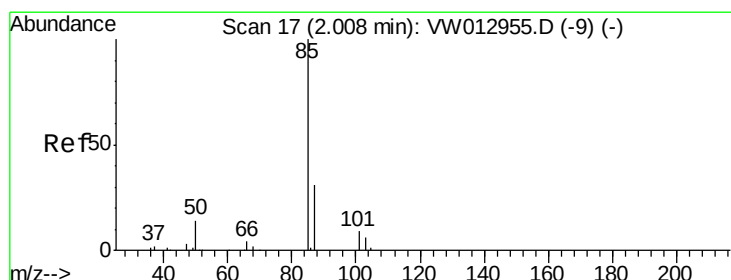
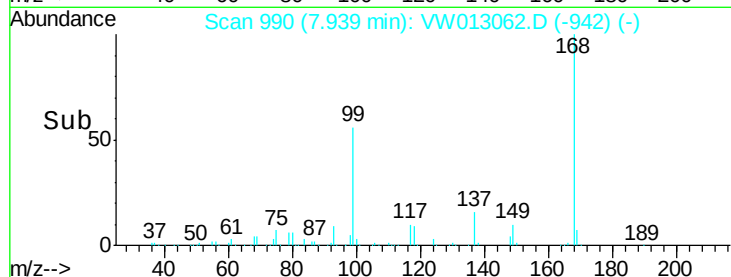
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.23 min Scan# 54

Delta R.T. 0.23 min

Lab File: VW013062.D

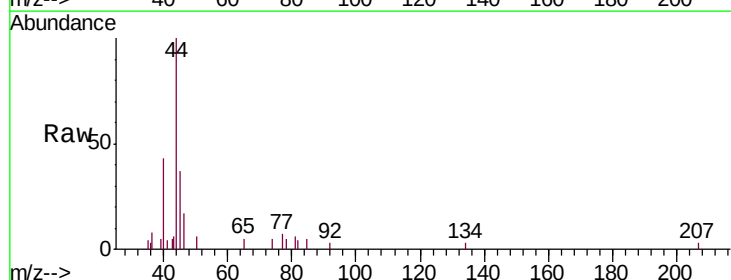
Acq: 17 Sep 2019 01:55

Tgt Ion: 85 Resp: 34

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

2.23

100

80

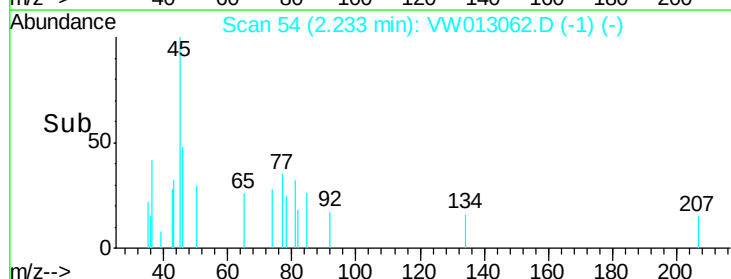
60

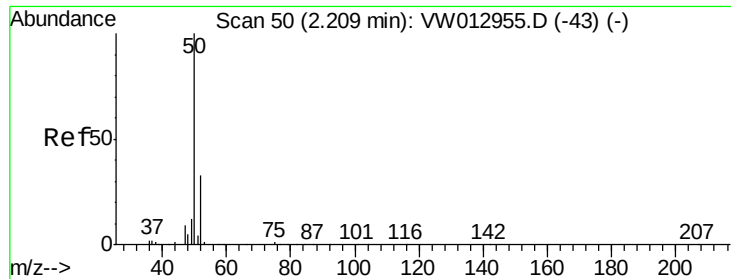
40

20

0

Time--> 2.21 2.22 2.23 2.24 2.25





#3

Chloromethane

Concen: Below Cal

RT: 2.20 min Scan# 49

Delta R.T. -0.01 min

Lab File: VW013062.D

Acq: 17 Sep 2019 01:55

Instrument :

MSVOA_W

ClientSampleId :

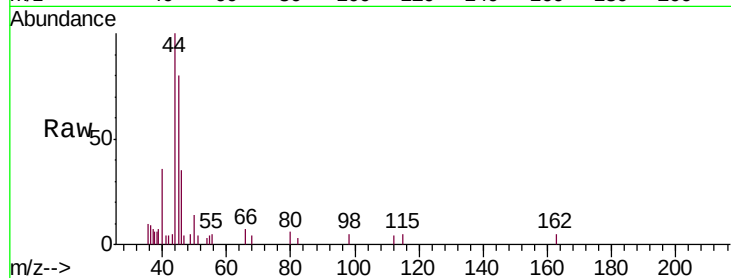
RT-1868-RBR-200035

Tgt Ion: 50 Resp: 306

Ion Ratio Lower Upper

50 100

52 0.0 26.6 39.8#



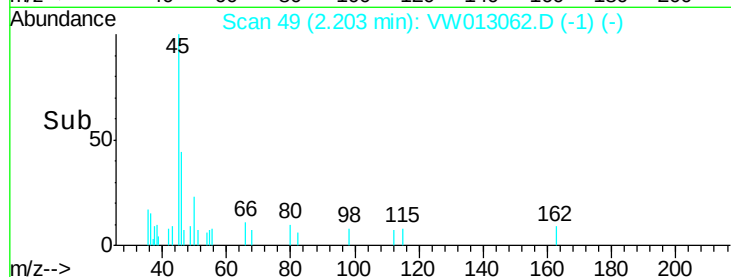
Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW

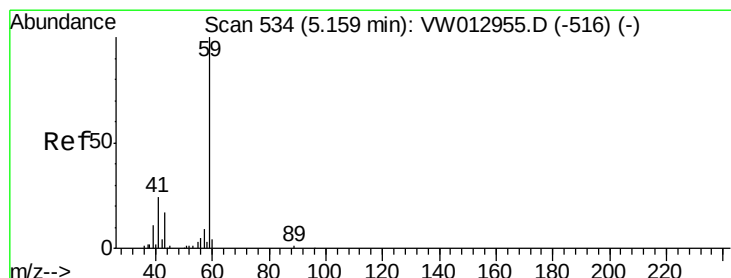
2.20

2.22

Time-->



Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.11 min Scan# 526

Delta R.T. -0.05 min

Lab File: VW013062.D

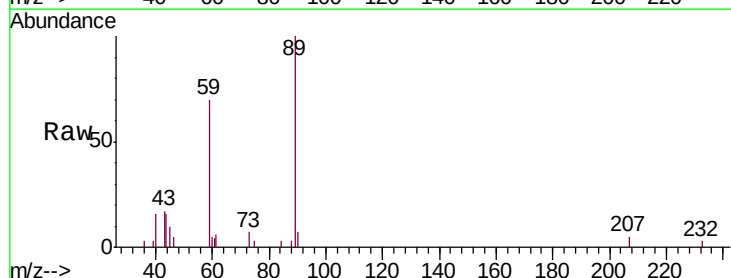
Acq: 17 Sep 2019 01:55

Tgt Ion: 59 Resp: 2477

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

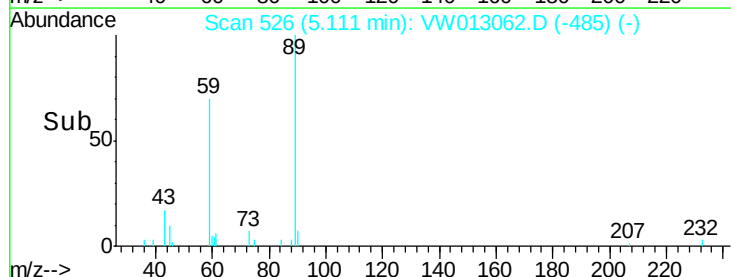
Ion 57.00 (56.70 to 57.70): VW

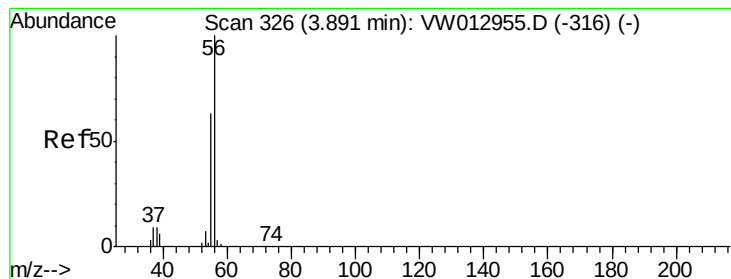
1500

5.11

5.10

Time-->





#13

Acrolein

Concen: Below Cal

RT: 3.99 min Scan# 342

Delta R.T. 0.10 min

Lab File: VW013062.D

Acq: 17 Sep 2019 01:55

Instrument :

MSVOA_W

ClientSampleId :

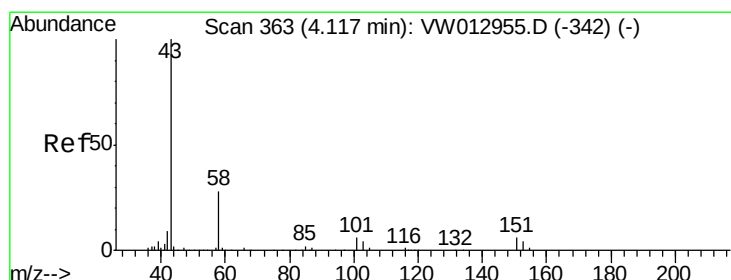
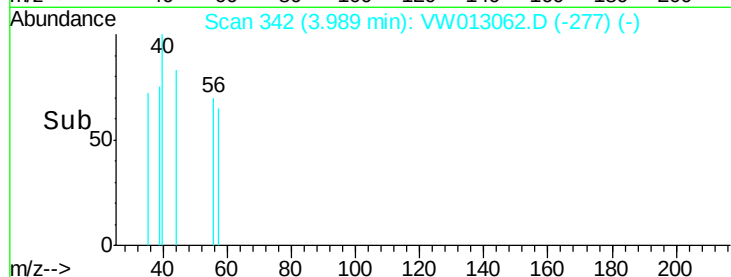
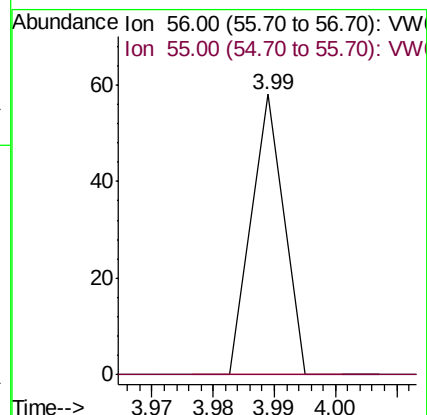
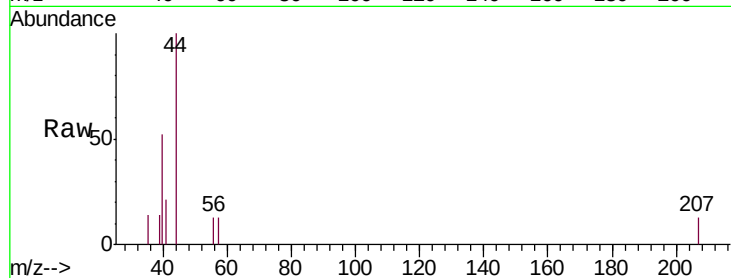
RT-1868-RBR-200035

Tgt Ion: 56 Resp: 21

Ion Ratio Lower Upper

56 100

55 0.0 55.8 83.8#



#16

Acetone

Concen: Below Cal

RT: 4.15 min Scan# 368

Delta R.T. 0.03 min

Lab File: VW013062.D

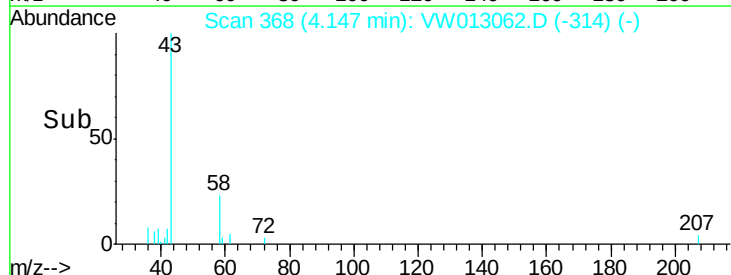
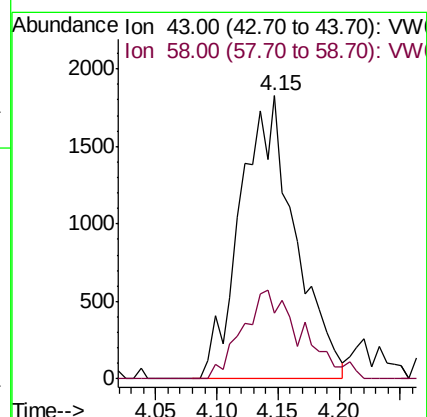
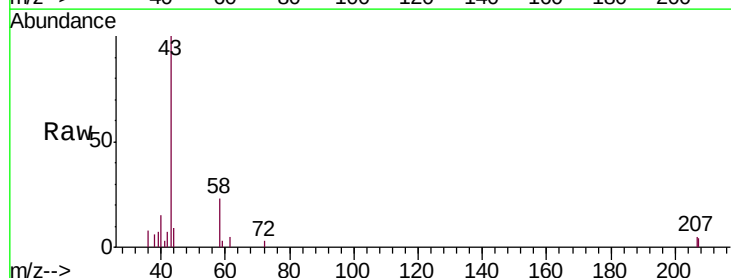
Acq: 17 Sep 2019 01:55

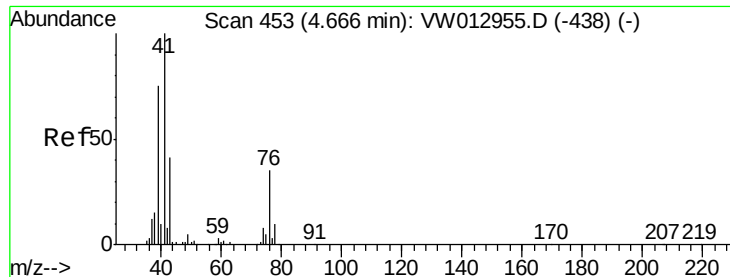
Tgt Ion: 43 Resp: 5646

Ion Ratio Lower Upper

43 100

58 23.4 22.3 33.5

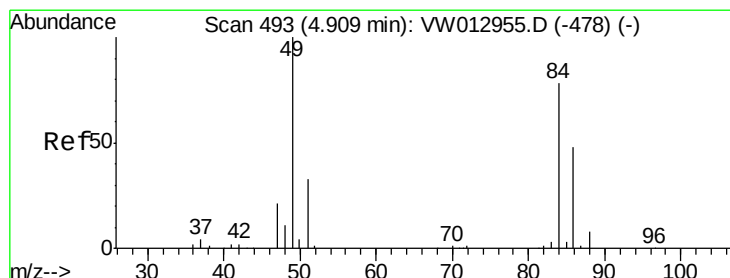
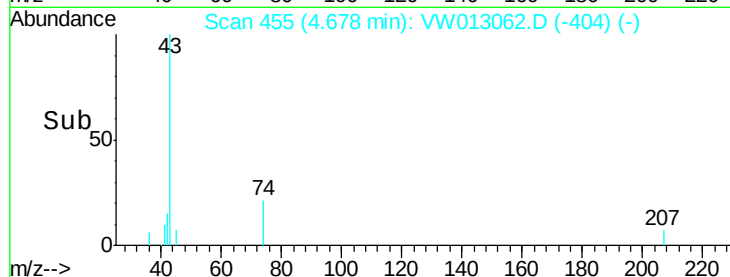
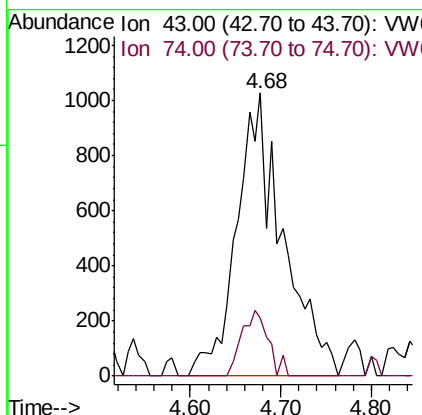
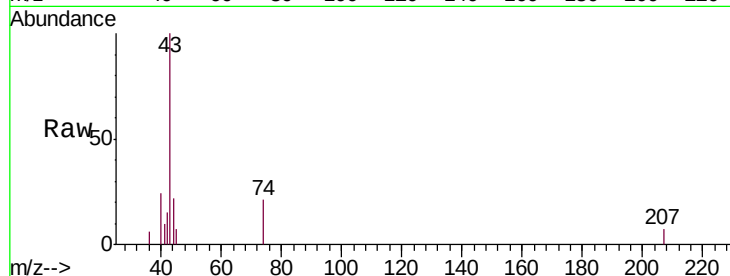




#18
Methyl Acetate
Concen: 1.900 ug/l
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW013062.D
Acq: 17 Sep 2019 01:55

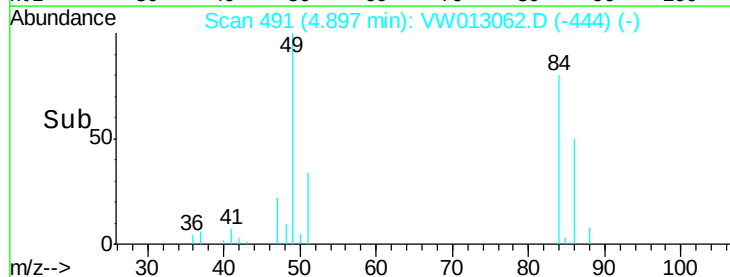
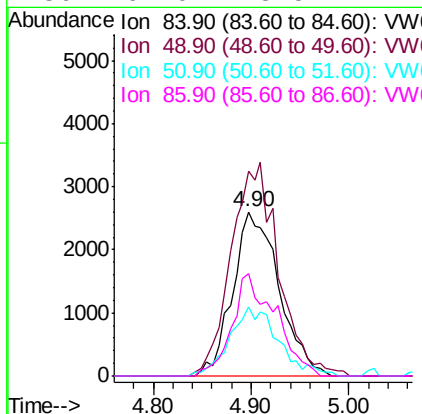
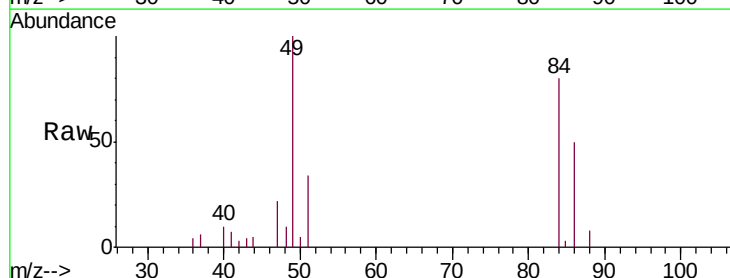
Instrument :
MSVOA_W
ClientSampleId :
RT-1868-RBR-200035

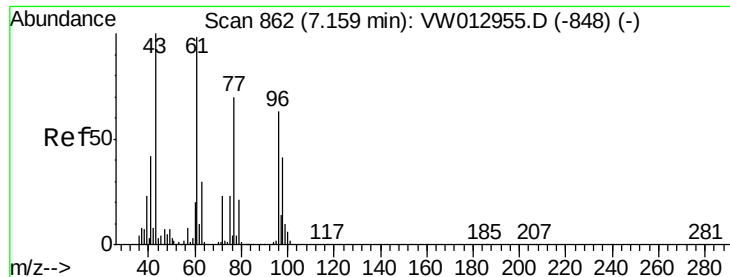
Tgt Ion: 43 Resp: 3610
Ion Ratio Lower Upper
43 100
74 13.4 17.8 26.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.90 min Scan# 491
Delta R.T. -0.01 min
Lab File: VW013062.D
Acq: 17 Sep 2019 01:55

Tgt Ion: 84 Resp: 8555
Ion Ratio Lower Upper
84 100
49 125.0 102.0 153.0
51 42.3 34.0 51.0
86 62.0 48.5 72.7

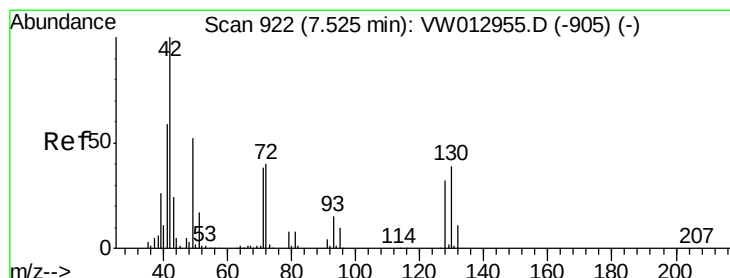
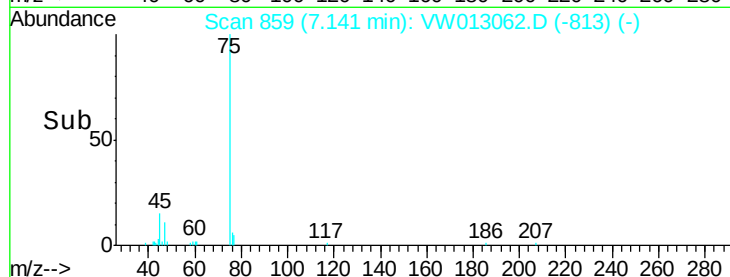
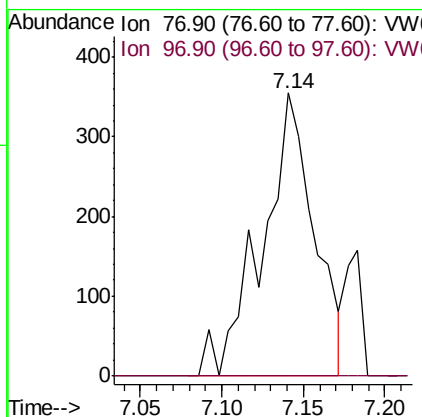
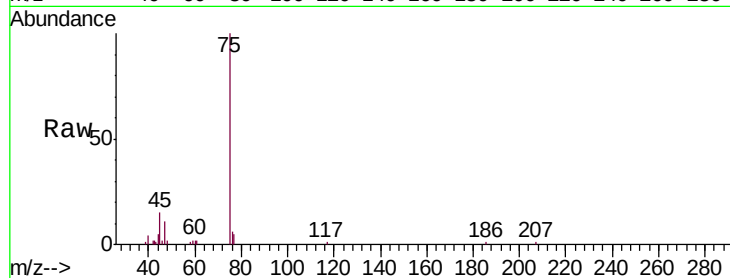




#26
 2,2-Dichloropropane
 Concen: Below Cal
 RT: 7.14 min Scan# 859
 Delta R.T. -0.02 min
 Lab File: VW013062.D
 Acq: 17 Sep 2019 01:55

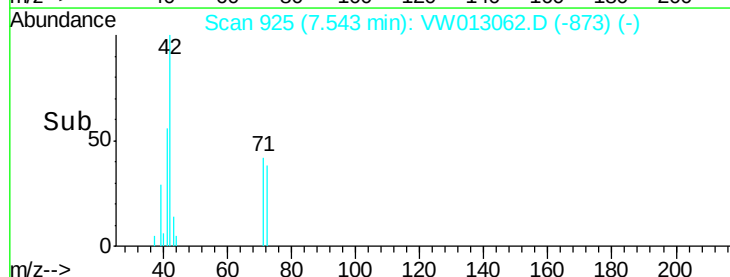
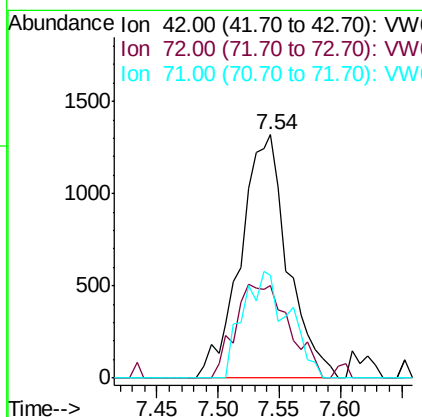
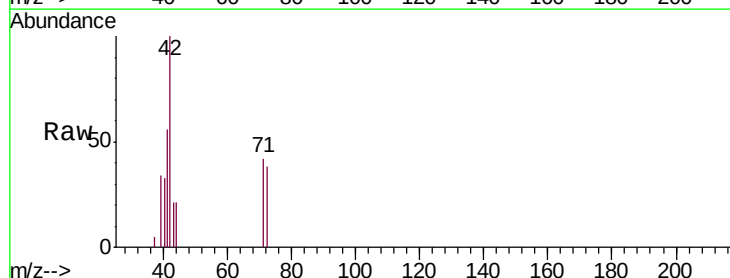
Instrument :
 MSVOA_W
 ClientSampleId :
 RT-1868-RBR-200035

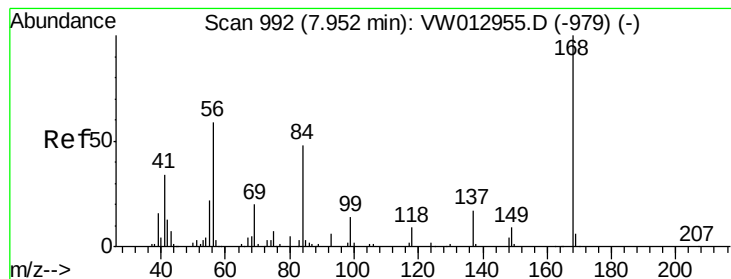
Tgt Ion: 77 Resp: 782
 Ion Ratio Lower Upper
 77 100
 97 0.0 10.7 32.1#



#29
 Tetrahydrofuran
 Concen: 5.861 ug/l
 RT: 7.54 min Scan# 925
 Delta R.T. 0.02 min
 Lab File: VW013062.D
 Acq: 17 Sep 2019 01:55

Tgt Ion: 42 Resp: 3541
 Ion Ratio Lower Upper
 42 100
 72 44.1 31.4 47.0
 71 42.4 29.8 44.8





#31

Cyclohexane

Concen: Below Cal

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW013062.D

Acq: 17 Sep 2019 01:55

Instrument :

MSVOA_W

ClientSampleId :

RT-1868-RBR-200035

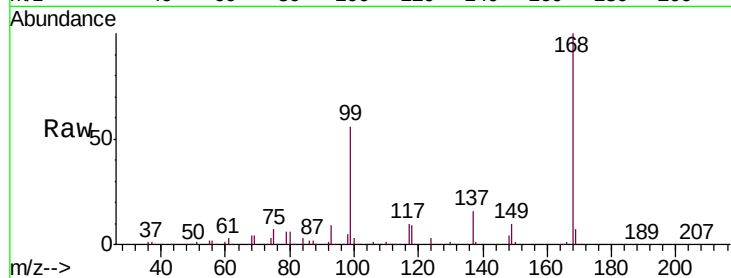
Tgt Ion: 56 Resp: 7326

Ion Ratio Lower Upper

56 100

69 174.6 27.0 40.6#

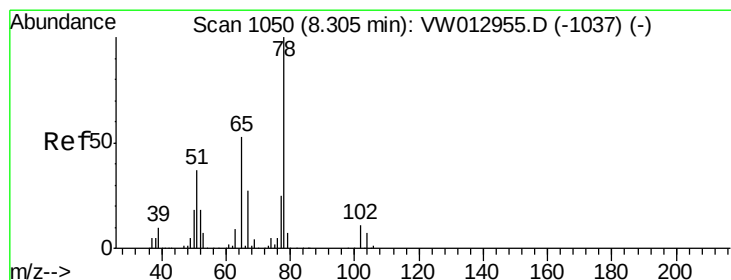
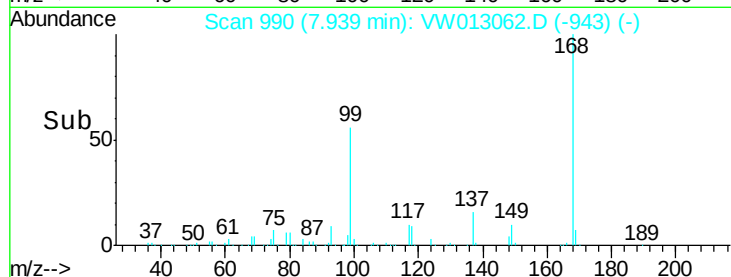
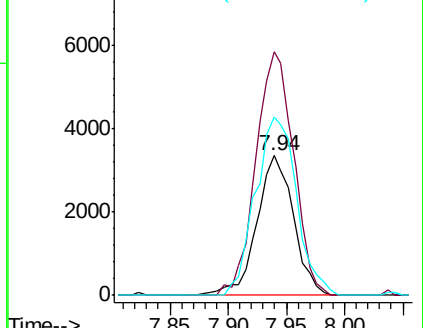
84 128.3 66.2 99.2#



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: 54.982 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW013062.D

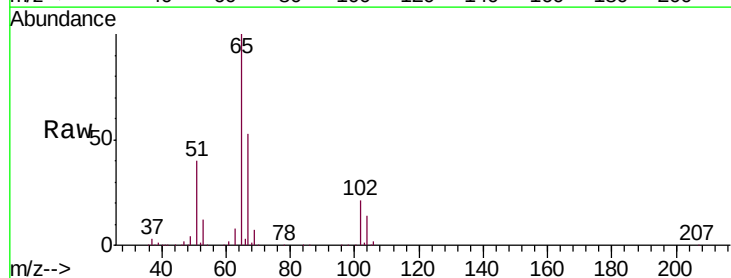
Acq: 17 Sep 2019 01:55

Tgt Ion: 65 Resp: 183333

Ion Ratio Lower Upper

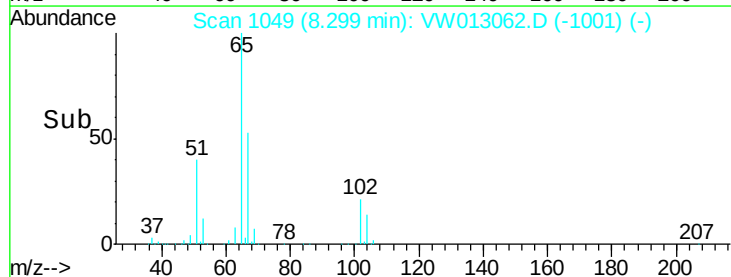
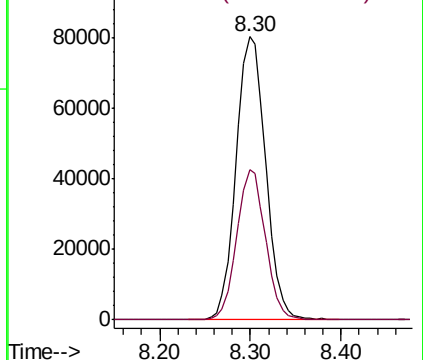
65 100

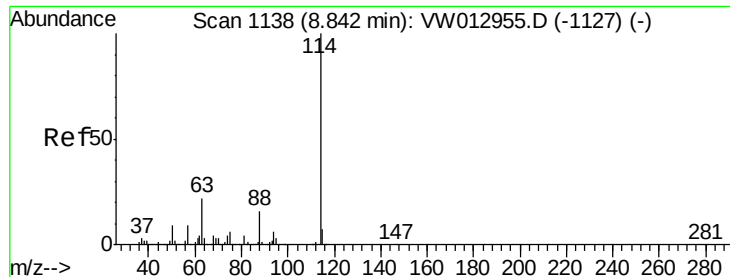
67 51.5 0.0 101.2



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

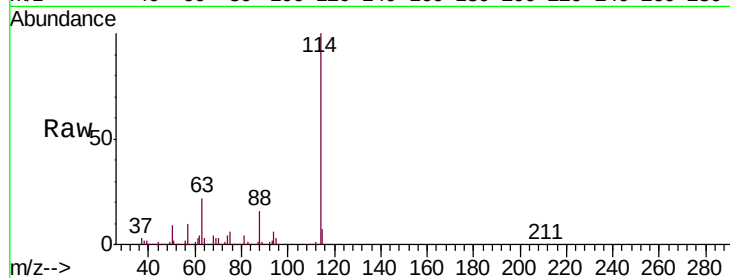




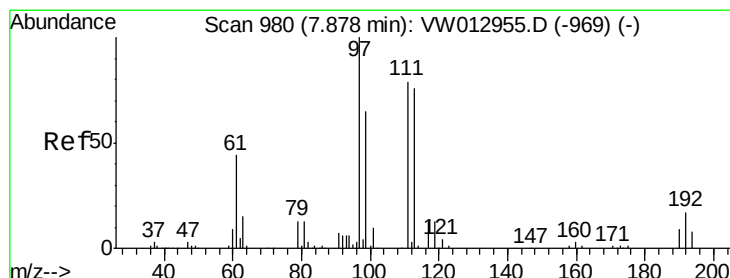
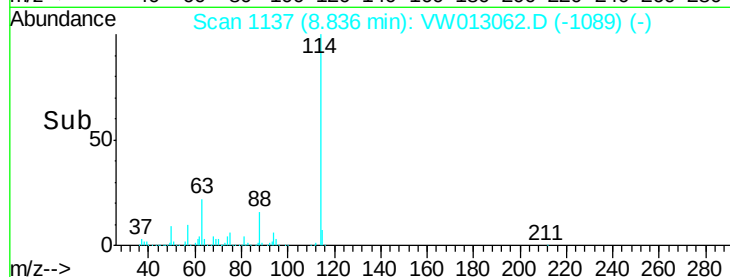
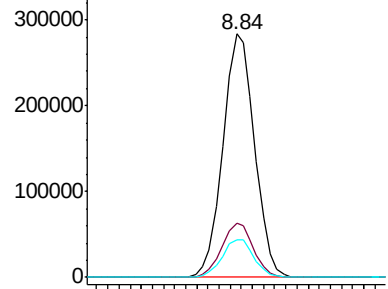
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: VW013062.D
 Acq: 17 Sep 2019 01:55

Instrument :
 MSVOA_W
 ClientSampleId :
 RT-1868-RBR-200035

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.4	0.0	43.4
88	15.6	0.0	31.6

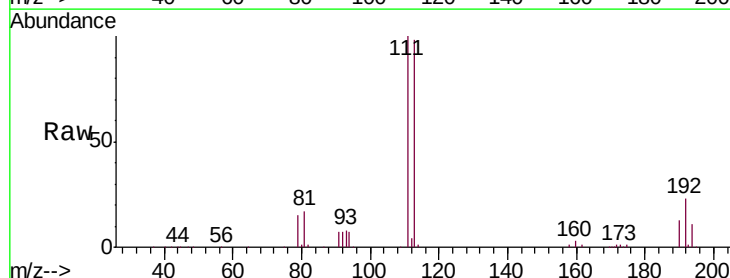


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

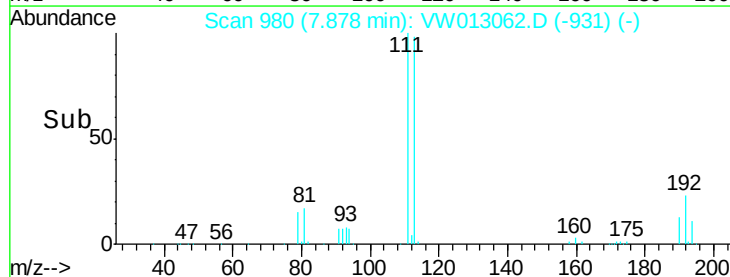
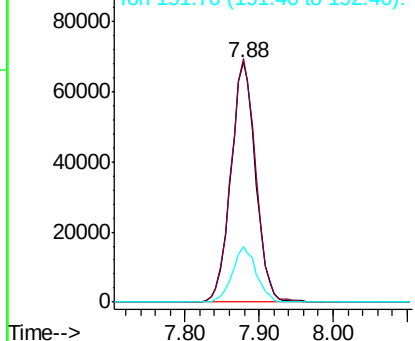


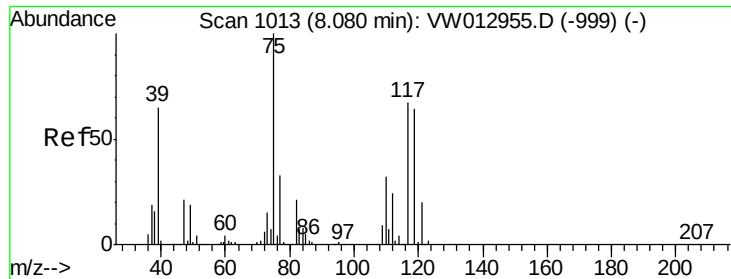
#35
 Dibromofluoromethane
 Concen: 52.196 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW013062.D
 Acq: 17 Sep 2019 01:55

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.6	82.8	124.2
192	22.2	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

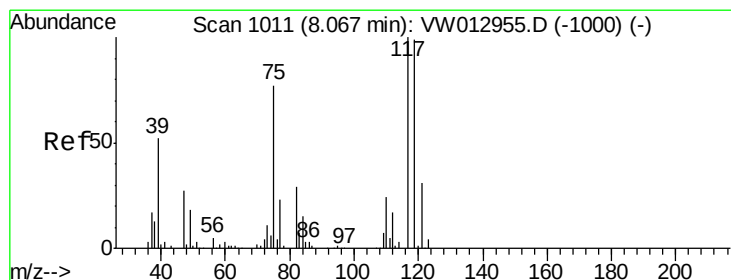
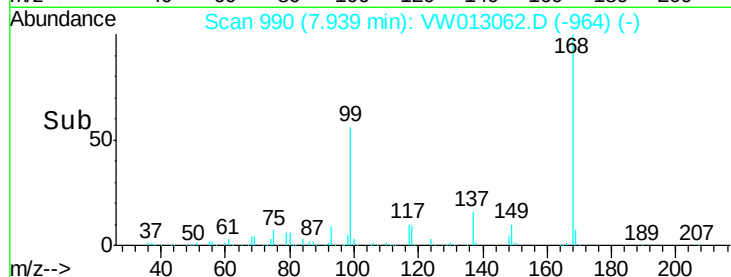
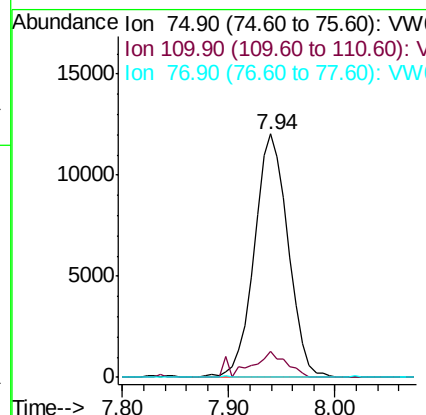
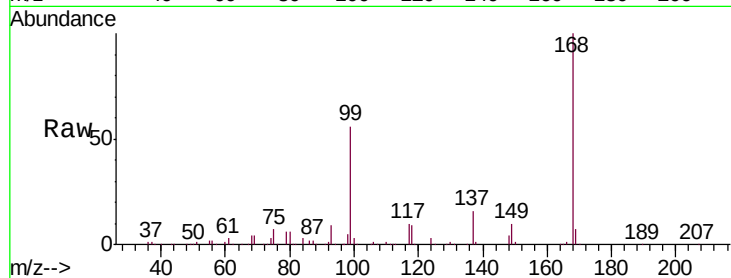




#36
 1,1-Dichloropropene
 Concen: 5.969 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW013062.D
 Acq: 17 Sep 2019 01:55

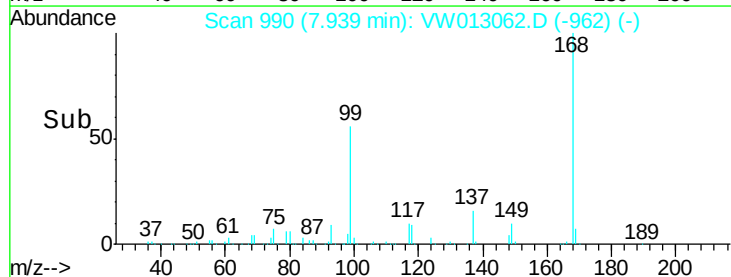
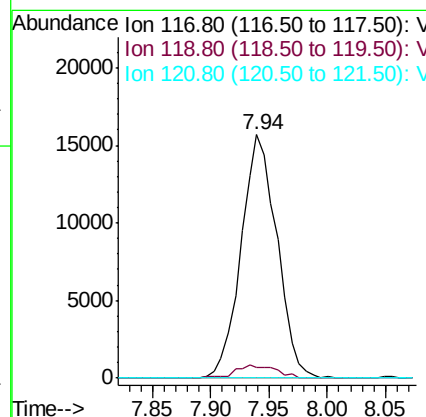
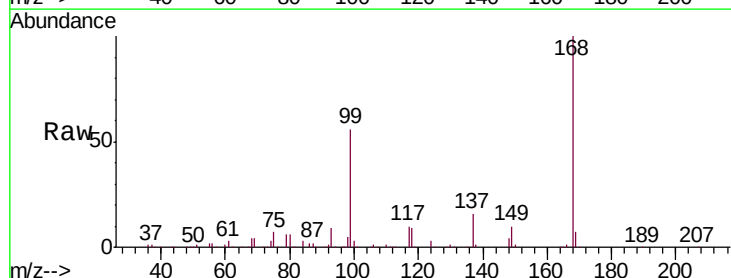
Instrument :
 MSVOA_W
 ClientSampleId :
 RT-1868-RBR-200035

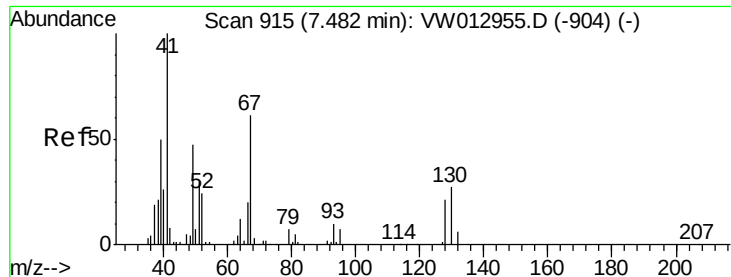
Tgt Ion: 75 Resp: 26749
 Ion Ratio Lower Upper
 75 100
 110 8.8 16.4 49.1#
 77 0.0 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 7.331 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.13 min
 Lab File: VW013062.D
 Acq: 17 Sep 2019 01:55

Tgt Ion: 117 Resp: 33667
 Ion Ratio Lower Upper
 117 100
 119 4.6 79.4 119.0#
 121 0.0 24.6 36.8#





#41

Methacrylonitrile

Concen: 1.646 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.05 min

Lab File: VW013062.D

Acq: 17 Sep 2019 01:55

Instrument :

MSVOA_W

ClientSampleId :

RT-1868-RBR-200035

Tgt Ion: 41 Resp: 2579

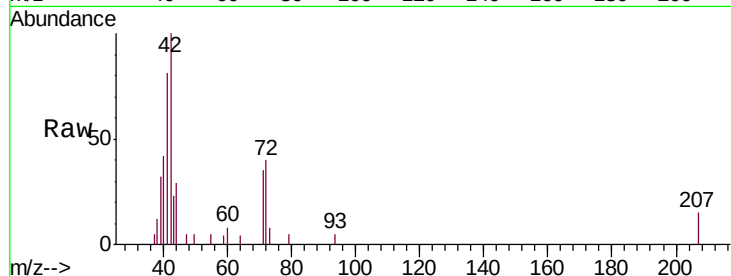
Ion Ratio Lower Upper

41 100

39 40.2 48.2 72.4#

67 0.0 47.5 71.3#

52 0.0 21.0 31.4#

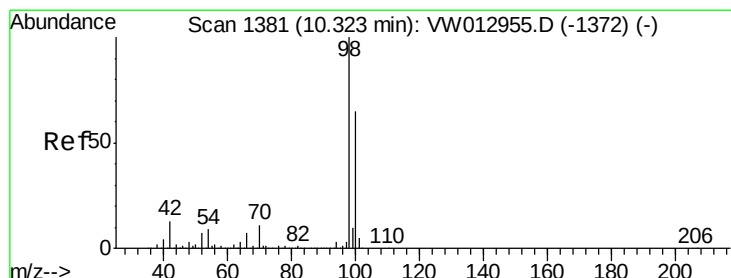
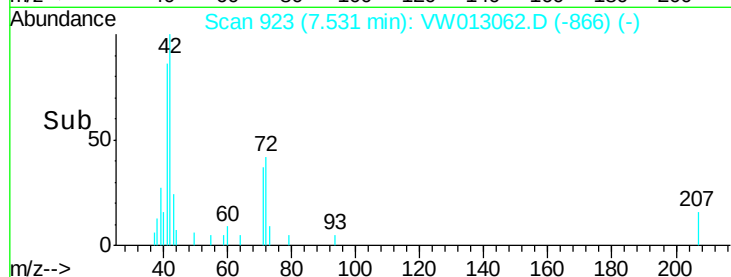
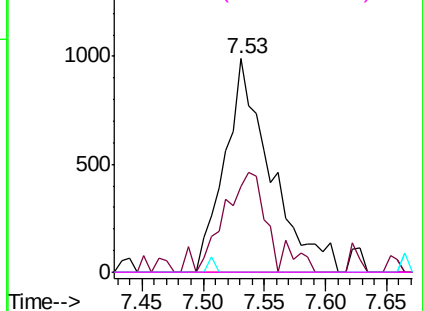


Abundance Ion 41.00 (40.70 to 41.70): VW

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: 55.745 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW013062.D

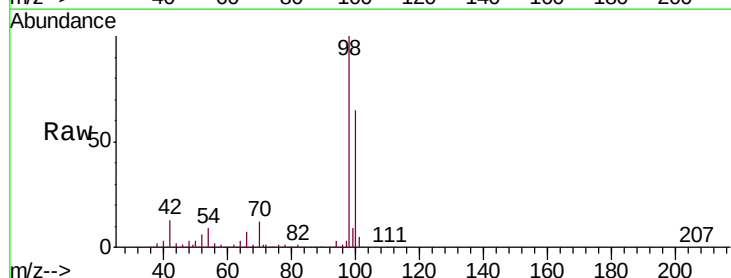
Acq: 17 Sep 2019 01:55

Tgt Ion: 98 Resp: 663812

Ion Ratio Lower Upper

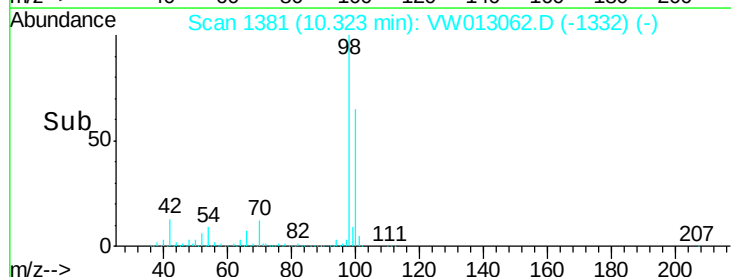
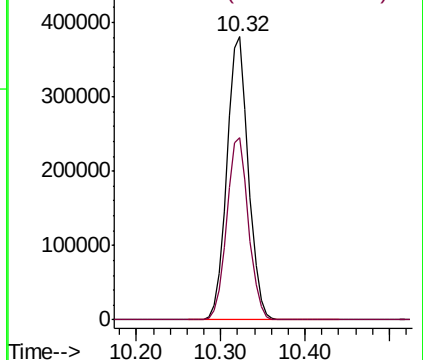
98 100

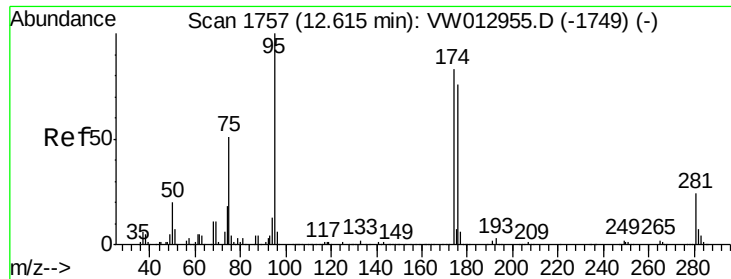
100 65.2 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

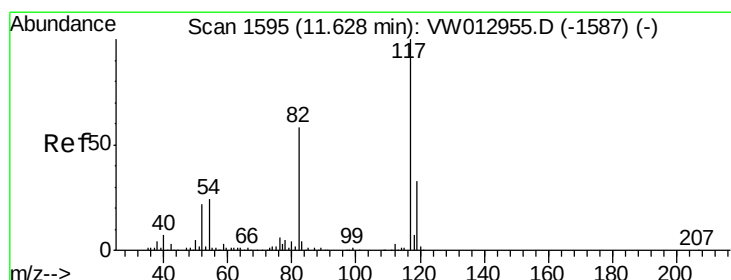
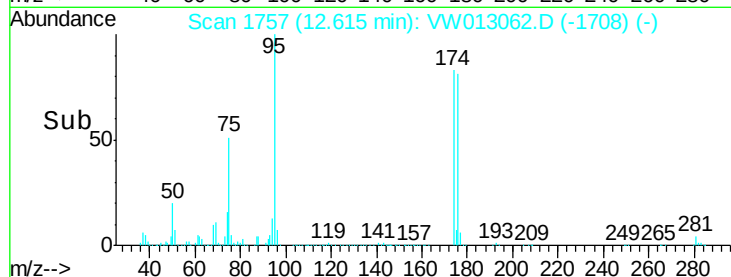
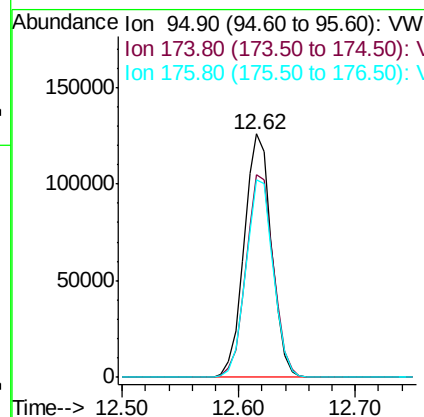
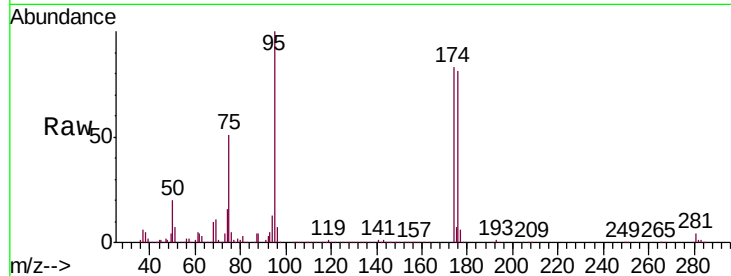




#62
4-Bromofluorobenzene
Concen: 48.176 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW013062.D
Acq: 17 Sep 2019 01:55

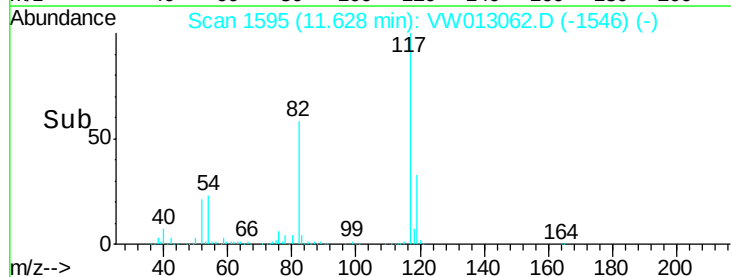
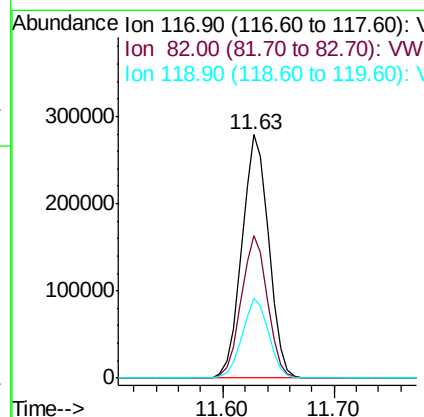
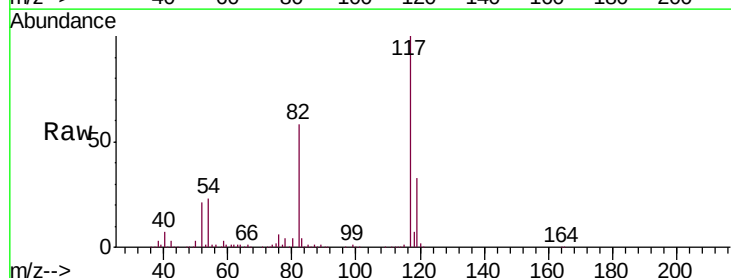
Instrument :
MSVOA_W
ClientSampleId :
RT-1868-RBR-200035

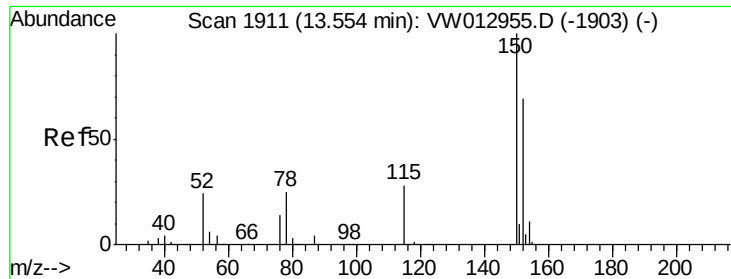
Tgt Ion: 95 Resp: 206285
Ion Ratio Lower Upper
95 100
174 83.7 0.0 170.4
176 81.4 0.0 164.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013062.D
Acq: 17 Sep 2019 01:55

Tgt Ion: 117 Resp: 464541
Ion Ratio Lower Upper
117 100
82 58.5 46.3 69.5
119 32.8 26.2 39.4



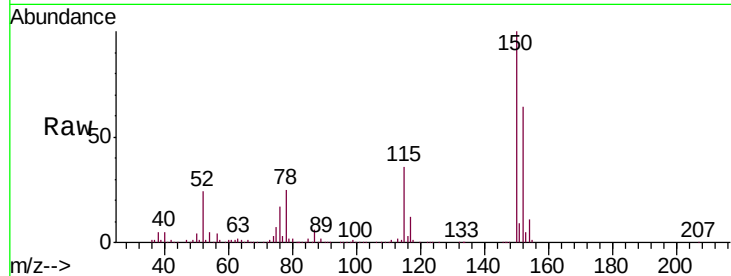


#72

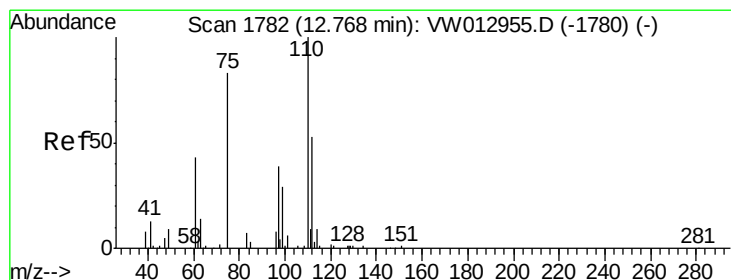
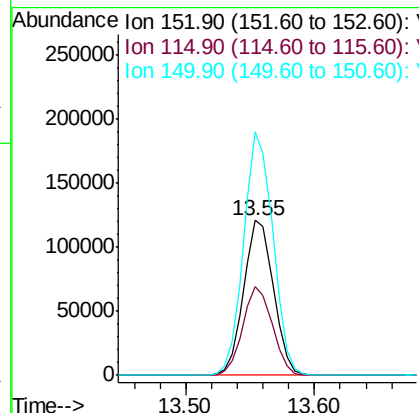
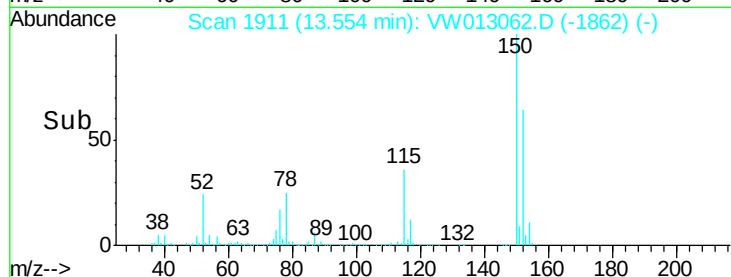
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.00 min
Lab File: VW013062.D
Acq: 17 Sep 2019 01:55

Instrument :
MSVOA_W
ClientSampleId :
RT-1868-RBR-200035

Tgt Ion: 152 Resp: 192982
Ion Ratio Lower Upper
152 100
115 56.7 28.8 86.4
150 154.3 0.0 340.2



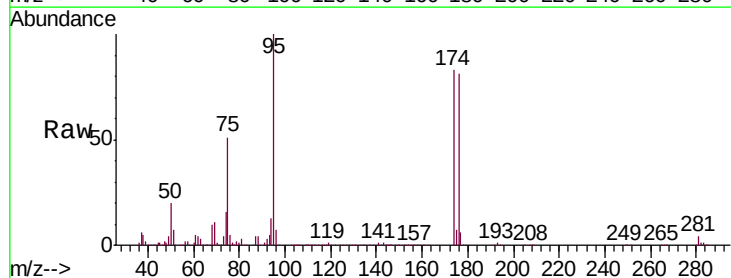
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



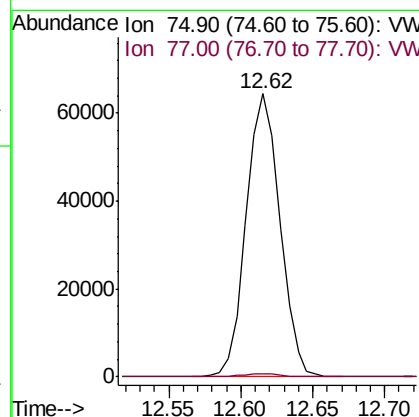
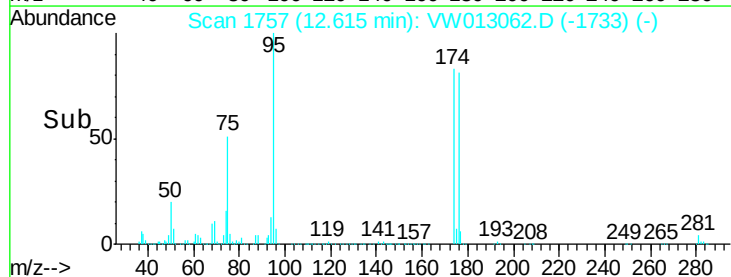
#76

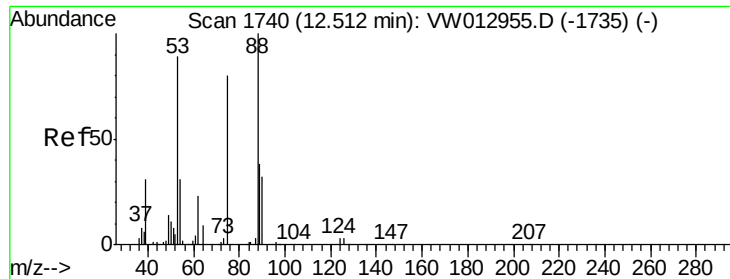
1,2,3-Trichloropropane
Concen: 61.971 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW013062.D
Acq: 17 Sep 2019 01:55

Tgt Ion: 75 Resp: 104754
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 77.00 (76.70 to 77.70): VW





#81

trans-1,4-Dichloro-2-butene

Concen: 140.580 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013062.D

Acq: 17 Sep 2019 01:55

Instrument :

MSVOA_W

ClientSampleId :

RT-1868-RBR-200035

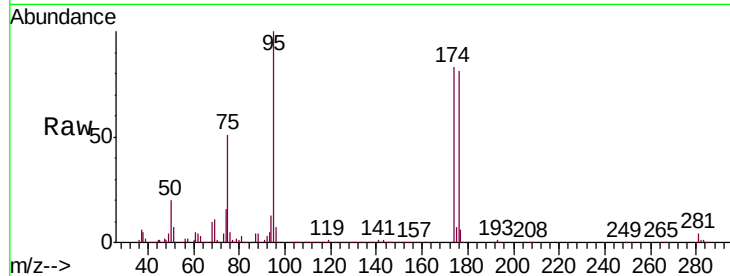
Tgt Ion: 75 Resp: 104754

Ion Ratio Lower Upper

75 100

53 0.0 85.6 128.4#

89 0.0 37.2 55.8#



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

