

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081420\
 Data File : VW016193.D
 Acq On : 14 Aug 2020 15:40
 Operator : SY/VA
 Sample : L3662-05
 Misc : 7.36G/5ML/MSVOA_W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 RBR-59

Quant Time: Aug 17 08:11:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W081420S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 17 08:01:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	199094	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	355948	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	283561	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	90700	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	109340	56.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.64%	
35) Dibromofluoromethane	7.88	113	112137	51.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.12%	
50) Toluene-d8	10.32	98	406940	47.87	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.74%	
62) 4-Bromofluorobenzene	12.62	95	116846	38.45	ug/l	0.00
Spiked Amount 50.000			Recovery	=	76.90%	

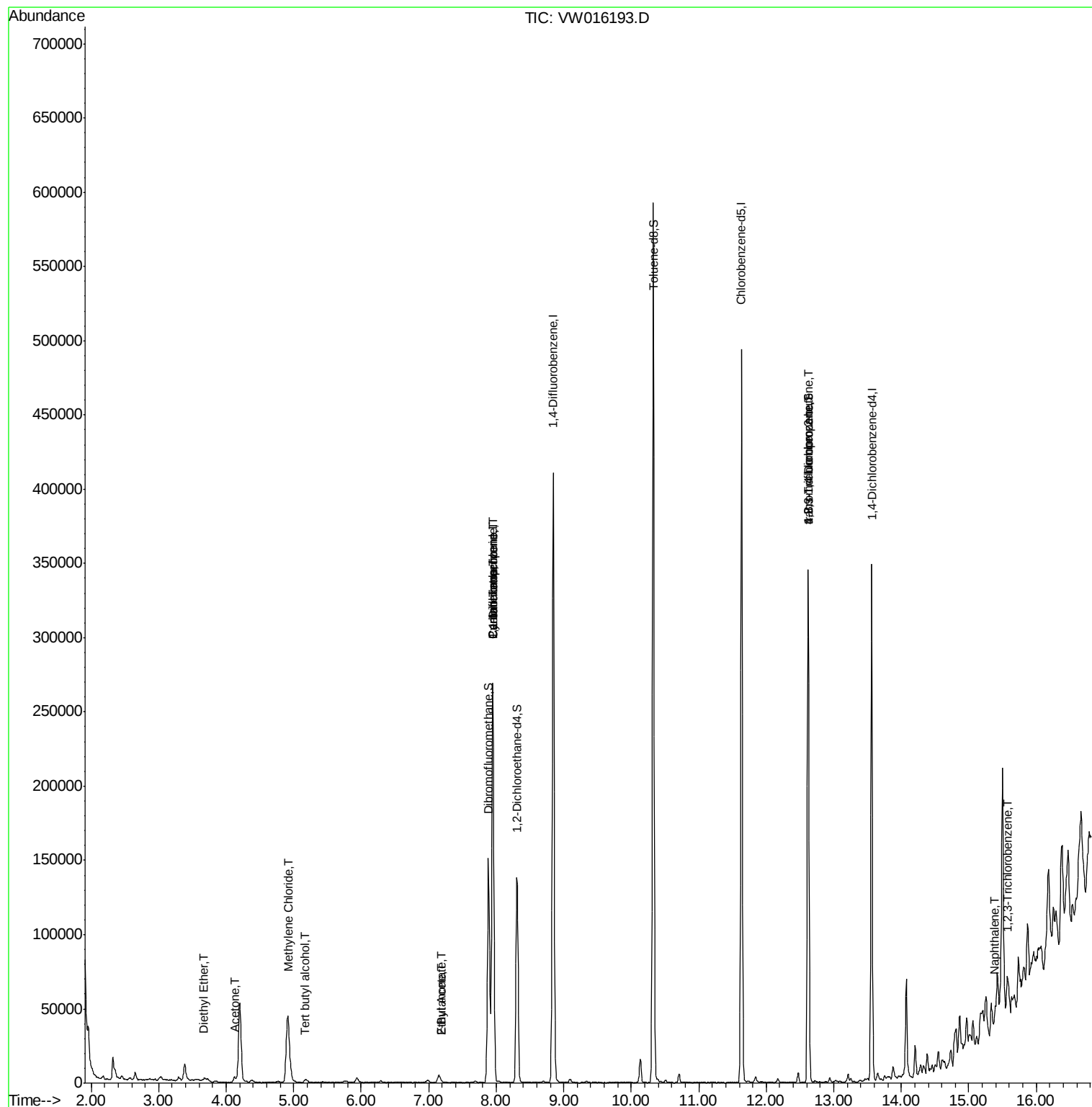
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.67	74	1107	1.080	ug/l	65
11) Tert butyl alcohol	5.17	59	3818	36.949	ug/l #	70
16) Acetone	4.12	43	7277	19.565	ug/l	92
20) Methylene Chloride	4.91	84	39343	13.412	ug/l	94
25) 2-Butanone	7.19	43	1258	2.524	ug/l #	71
31) Cyclohexane	7.95	56	4210	1.188	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	16003	4.564	ug/l #	49
37) Ethyl Acetate	7.19	43	1258	1.046	ug/l #	74
38) Carbon Tetrachloride	7.95	117	20785	5.940	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	55452	66.478	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	55452	159.456	ug/l #	12
95) Naphthalene	15.37	128	4438	4.812	ug/l #	81
96) 1,2,3-Trichlorobenzene	15.58	180	2347	1.717	ug/l #	12

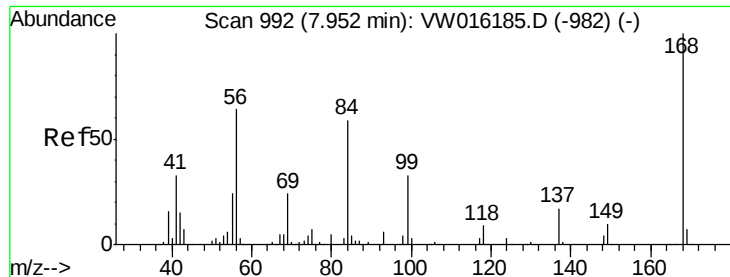
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW081420\
Data File : VW016193.D
Acq On : 14 Aug 2020 15:40
Operator : SY/VA
Sample : L3662-05
Misc : 7.36G/5ML/MSVOA_W/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
RBR-59

Quant Time: Aug 17 08:11:41 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W081420S.M
Quant Title : SW846 8260
QLast Update : Mon Aug 17 08:01:41 2020
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: VW016193.D

Acq: 14 Aug 2020 15:40

Instrument :

MSVOA_W

ClientSampleId :

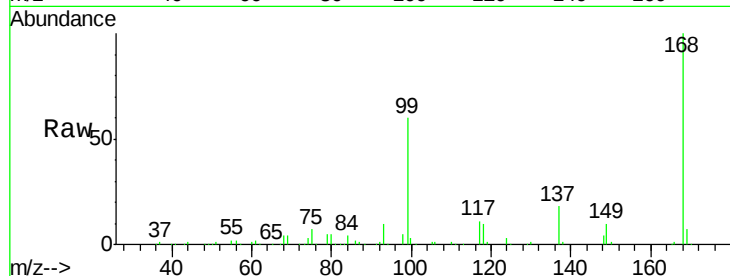
RBR-59

Tgt Ion:168 Resp: 199094

Ion Ratio Lower Upper

168 100

99 59.6 48.3 72.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

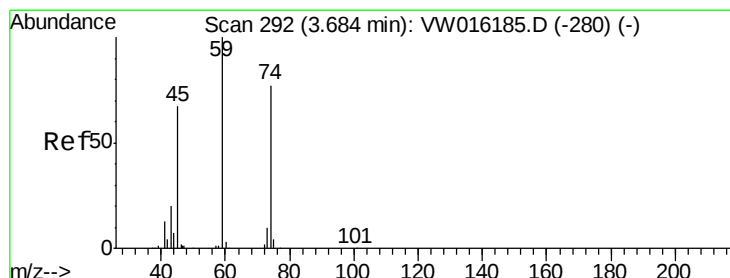
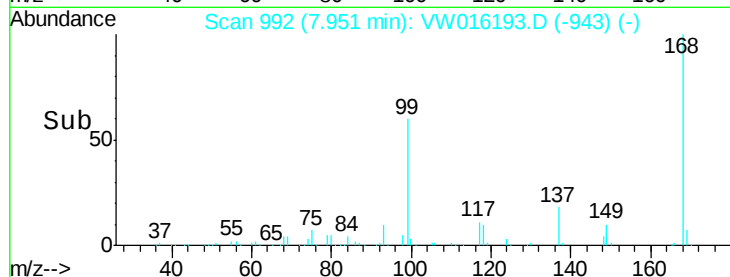
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#8

Diethyl Ether

Concen: 1.080 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW016193.D

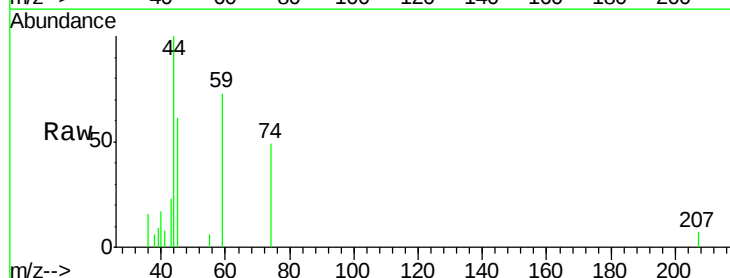
Acq: 14 Aug 2020 15:40

Tgt Ion: 74 Resp: 1107

Ion Ratio Lower Upper

74 100

45 124.9 45.9 137.7



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.67

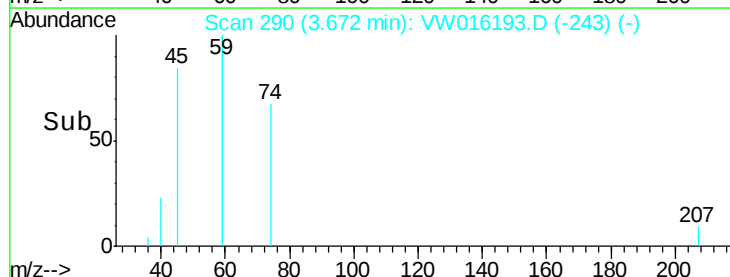
600

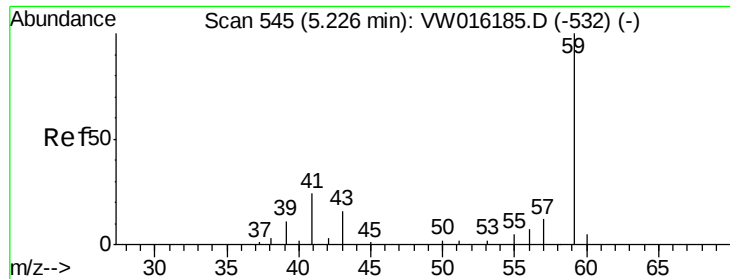
400

200

0

Time--> 3.60 3.65 3.70 3.75

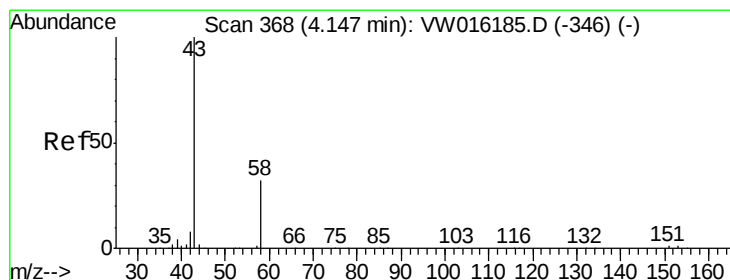
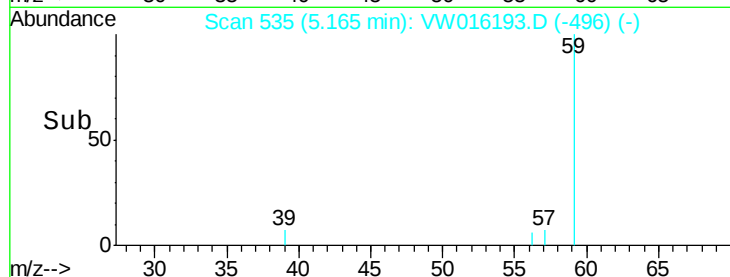
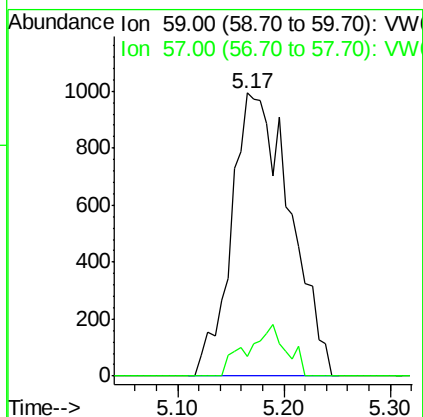
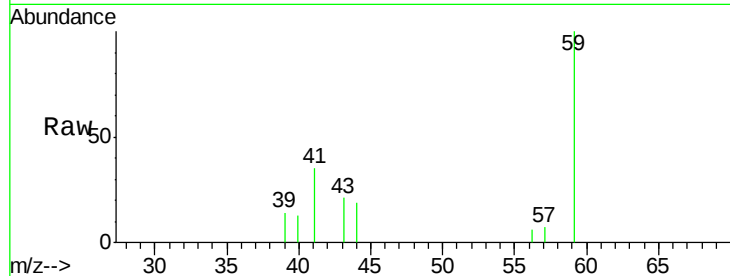




#11
Tert butyl alcohol
Concen: 36.949 ug/l
RT: 5.17 min Scan# 535
Delta R.T. -0.06 min
Lab File: VW016193.D
Acq: 14 Aug 2020 15:40

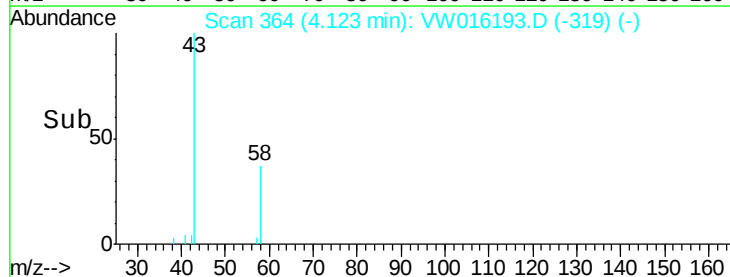
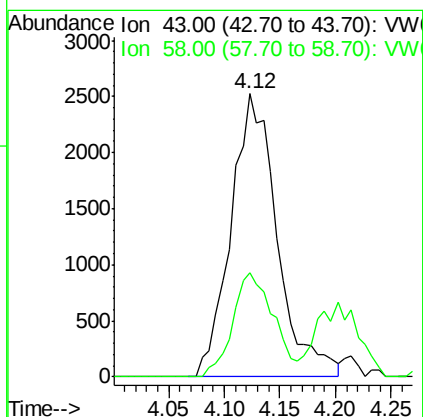
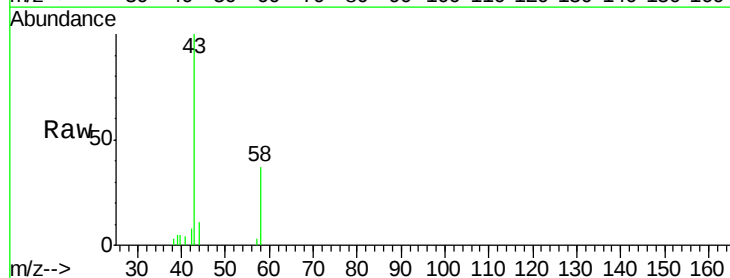
Instrument :
MSVOA_W
ClientSampled :
RBR-59

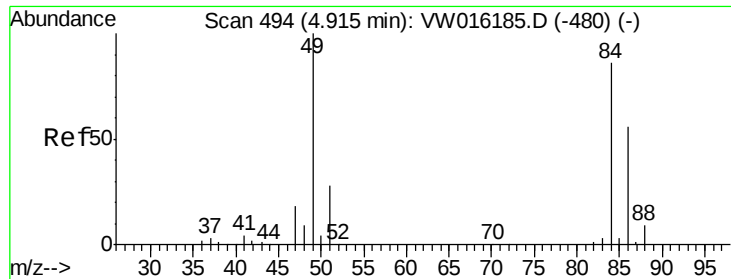
Tgt Ion: 59 Resp: 3818
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.6#



#16
Acetone
Concen: 19.565 ug/l
RT: 4.12 min Scan# 364
Delta R.T. -0.02 min
Lab File: VW016193.D
Acq: 14 Aug 2020 15:40

Tgt Ion: 43 Resp: 7277
Ion Ratio Lower Upper
43 100
58 36.9 25.8 38.6

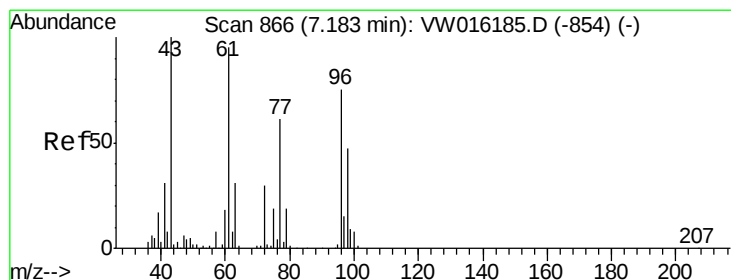
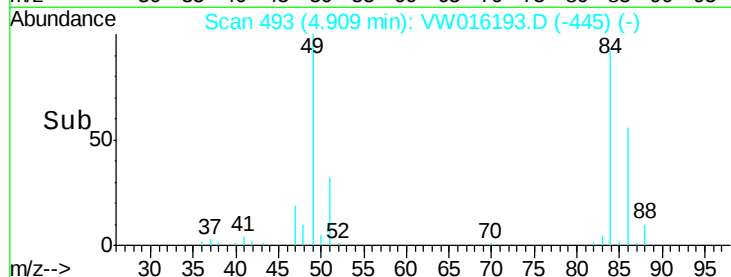
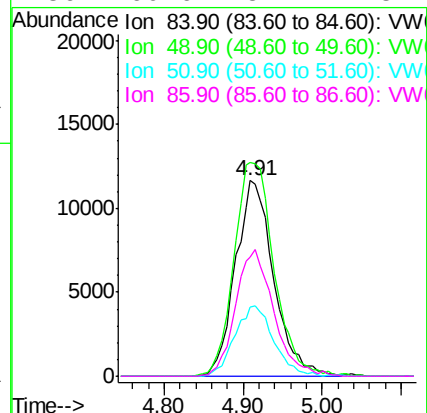
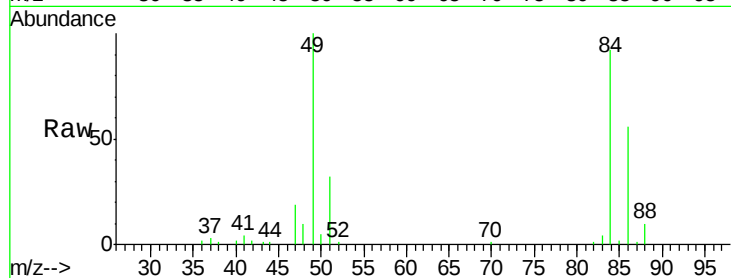




#20
Methylene Chloride
Concen: 13.412 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW016193.D
Acq: 14 Aug 2020 15:40

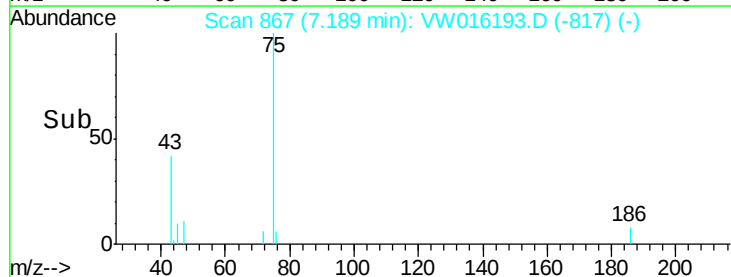
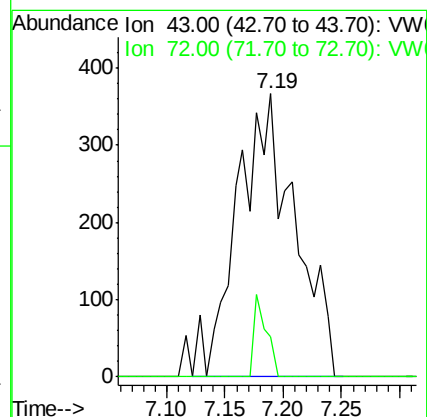
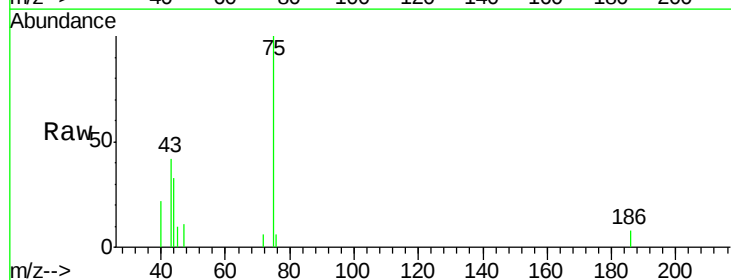
Instrument :
MSVOA_W
ClientSampleId :
RBR-59

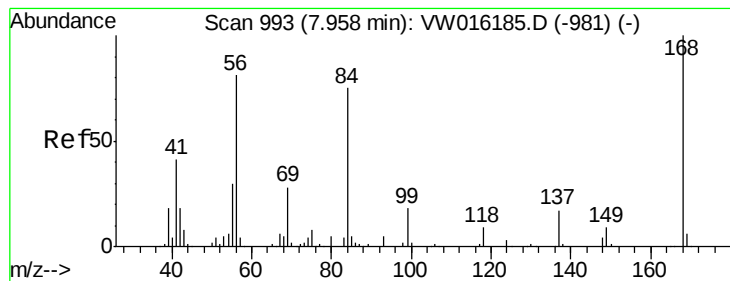
Tgt Ion:	84	Resp:	39343
Ion	Ratio	Lower	Upper
84	100		
49	109.2	93.4	140.2
51	35.1	26.6	40.0
86	60.6	52.2	78.2



#25
2-Butanone
Concen: 2.524 ug/l
RT: 7.19 min Scan# 867
Delta R.T. 0.01 min
Lab File: VW016193.D
Acq: 14 Aug 2020 15:40

Tgt Ion:	43	Resp:	1258
Ion	Ratio	Lower	Upper
43	100		
72	14.2	24.2	36.2





#31

Cyclohexane

Concen: 1.188 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW016193.D

Acq: 14 Aug 2020 15:40

Instrument :

MSVOA_W

ClientSampled :

RBR-59

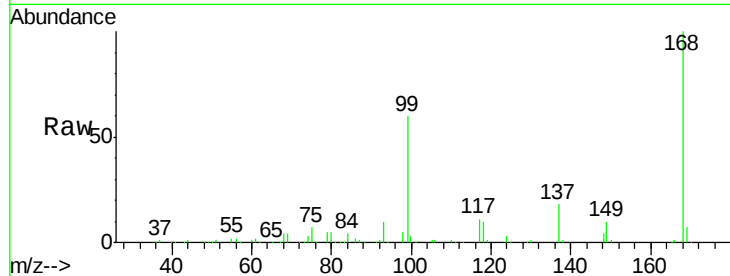
Tgt Ion: 56 Resp: 4210

Ion Ratio Lower Upper

56 100

69 163.4 27.3 40.9#

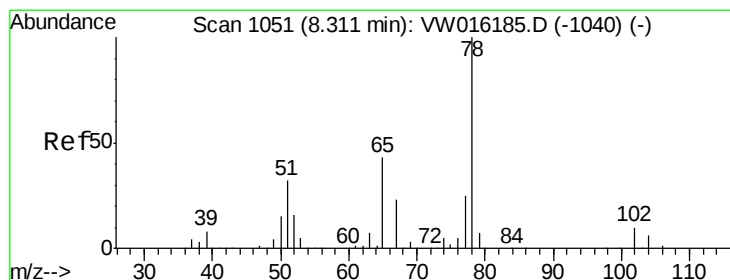
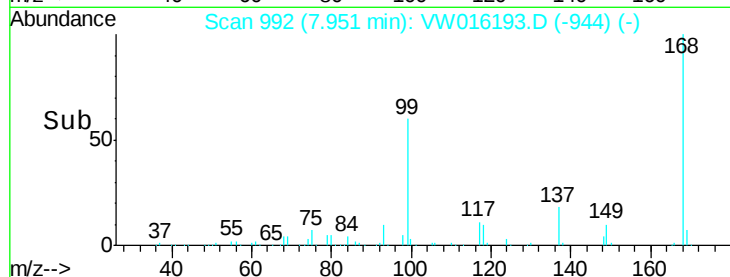
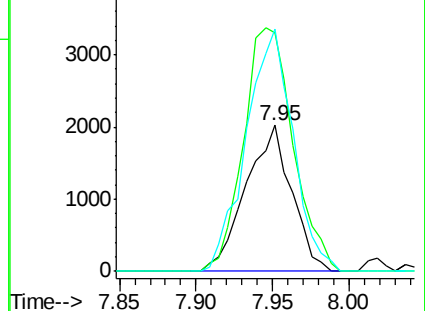
84 165.7 73.5 110.3#



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: 56.316 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VW016193.D

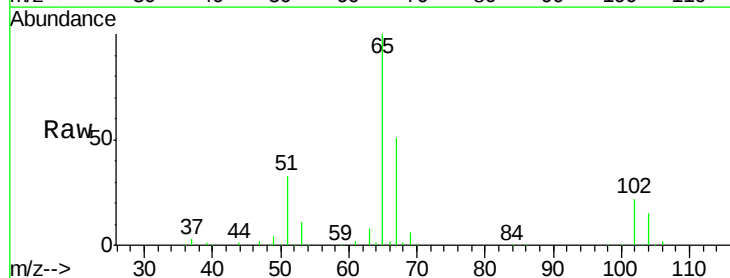
Acq: 14 Aug 2020 15:40

Tgt Ion: 65 Resp: 109340

Ion Ratio Lower Upper

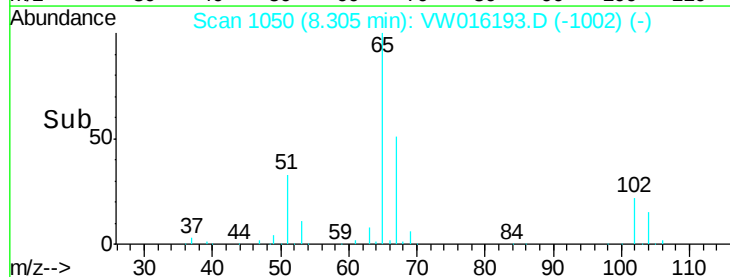
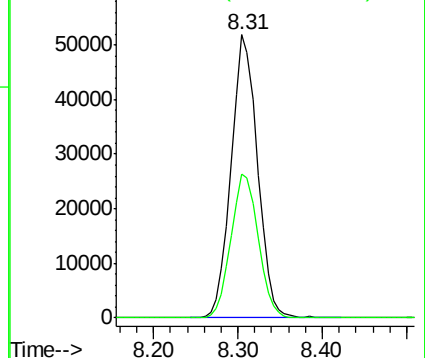
65 100

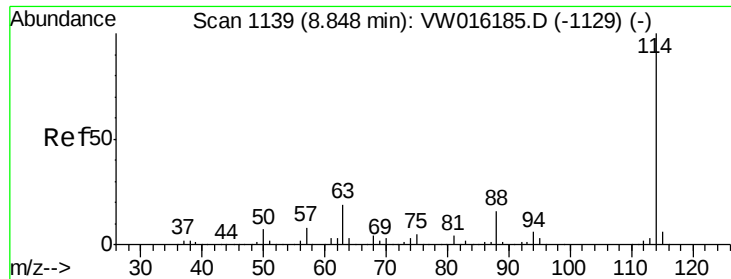
67 52.8 0.0 105.6



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

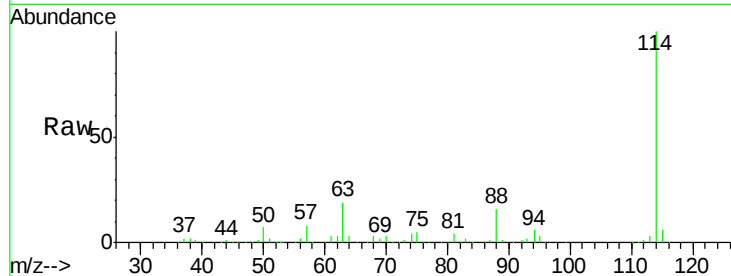




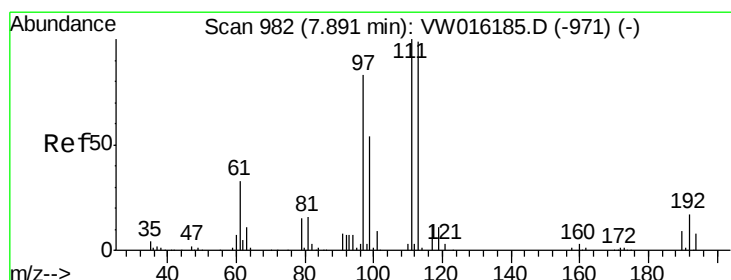
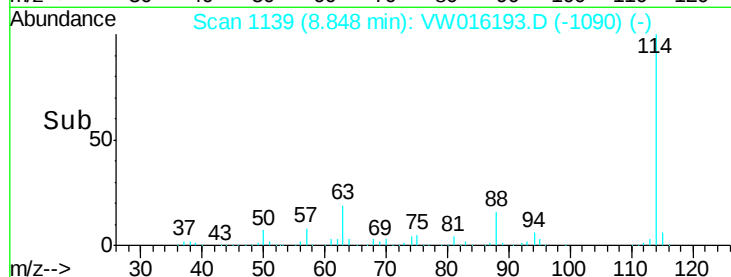
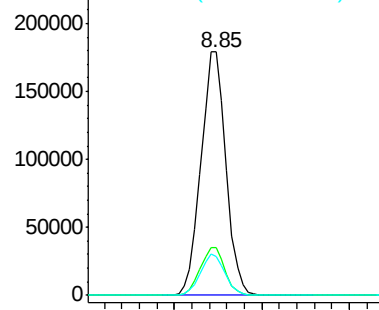
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW016193.D
 Acq: 14 Aug 2020 15:40

Instrument :
 MSVOA_W
 ClientSampleId :
 RBR-59

Tgt Ion:114 Resp: 355948
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 38.4
 88 15.8 0.0 32.8

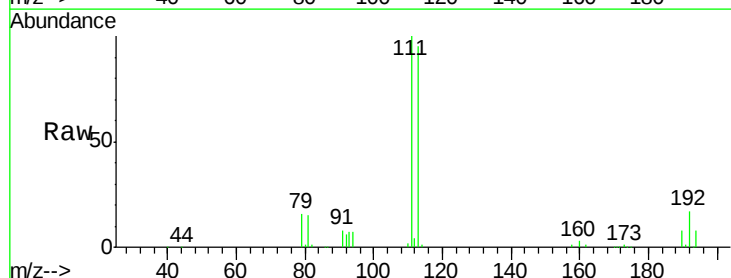


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

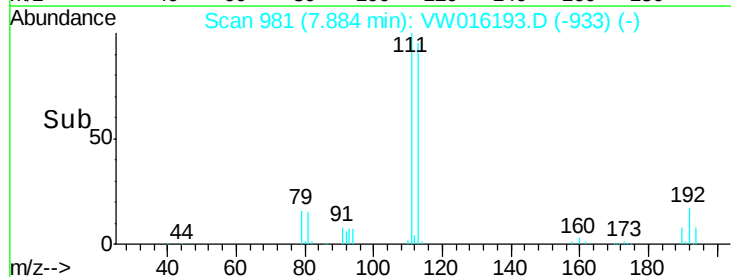
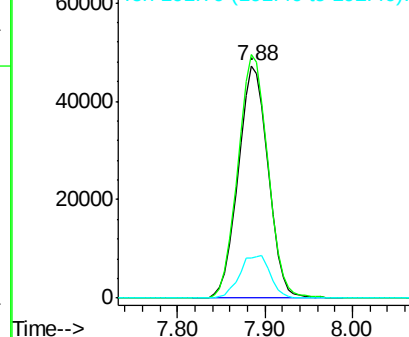


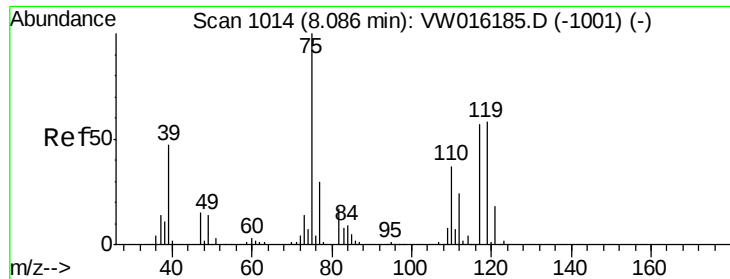
#35
 Dibromofluoromethane
 Concen: 51.059 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.01 min
 Lab File: VW016193.D
 Acq: 14 Aug 2020 15:40

Tgt Ion:113 Resp: 112137
 Ion Ratio Lower Upper
 113 100
 111 104.9 83.5 125.3
 192 18.9 14.3 21.5



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

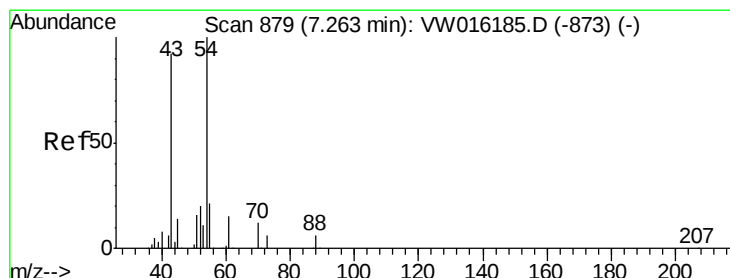
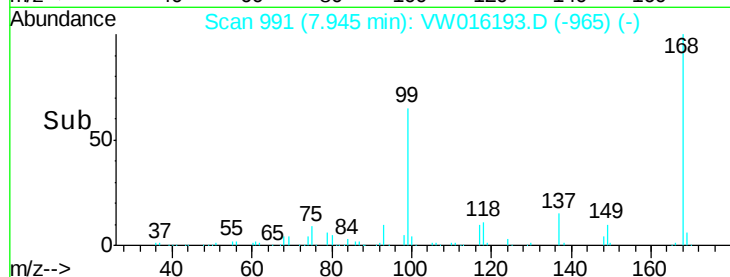
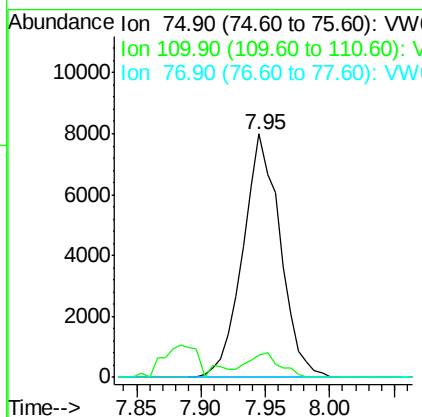
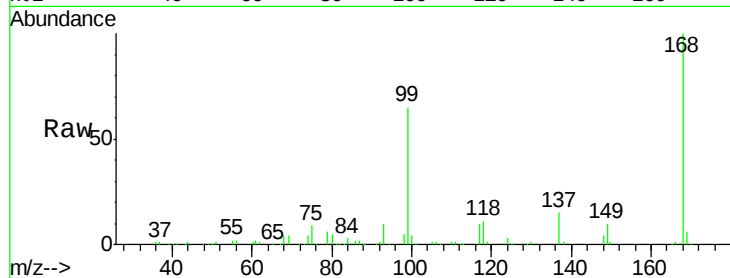




#36
 1,1-Dichloropropene
 Concen: 4.564 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.14 min
 Lab File: VW016193.D
 Acq: 14 Aug 2020 15:40

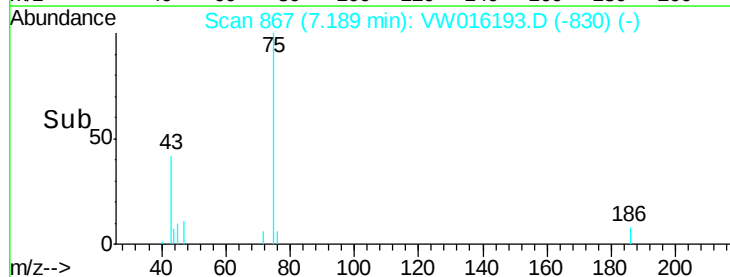
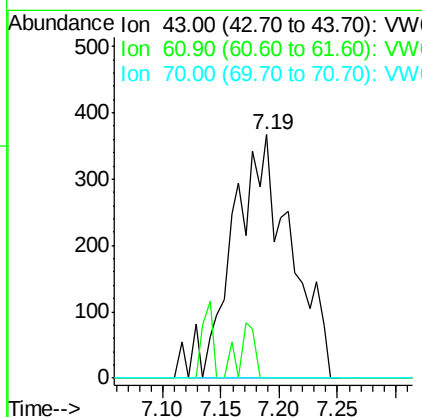
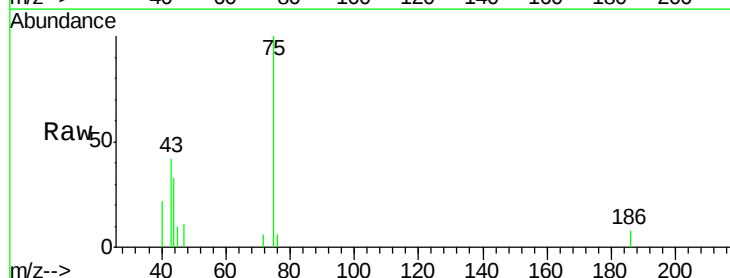
Instrument :
 MSVOA_W
 ClientSampleId :
 RBR-59

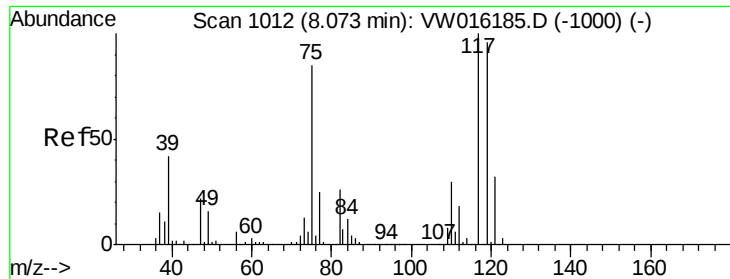
Tgt Ion: 75 Resp: 16003
 Ion Ratio Lower Upper
 75 100
 110 9.0 18.1 54.3#
 77 0.0 24.7 37.1#



#37
 Ethyl Acetate
 Concen: 1.046 ug/l
 RT: 7.19 min Scan# 867
 Delta R.T. -0.07 min
 Lab File: VW016193.D
 Acq: 14 Aug 2020 15:40

Tgt Ion: 43 Resp: 1258
 Ion Ratio Lower Upper
 43 100
 61 6.2 12.6 18.8#
 70 0.0 9.8 14.8#

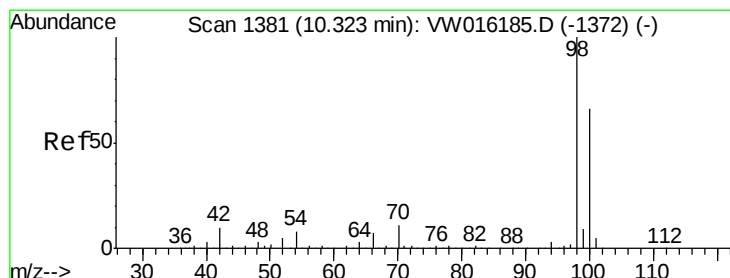
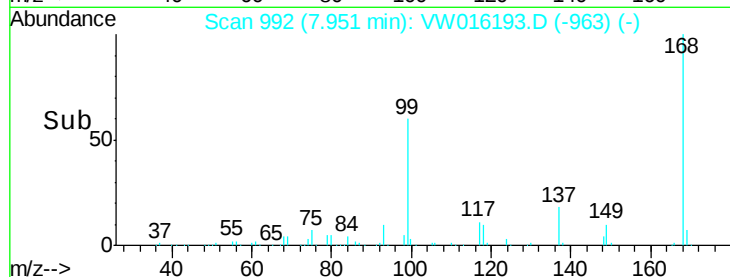
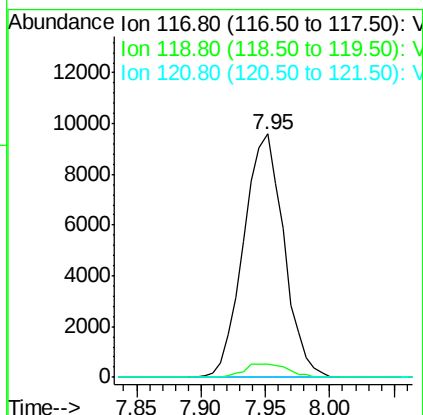
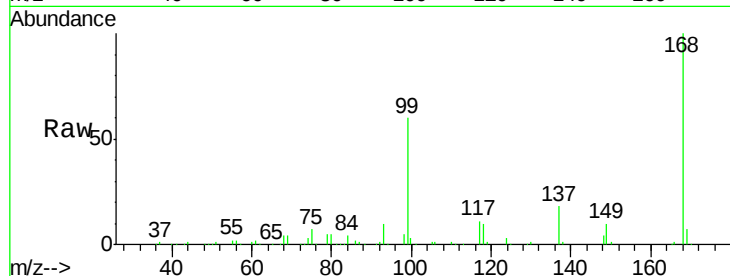




#38
Carbon Tetrachloride
Concen: 5.940 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW016193.D
Acq: 14 Aug 2020 15:40

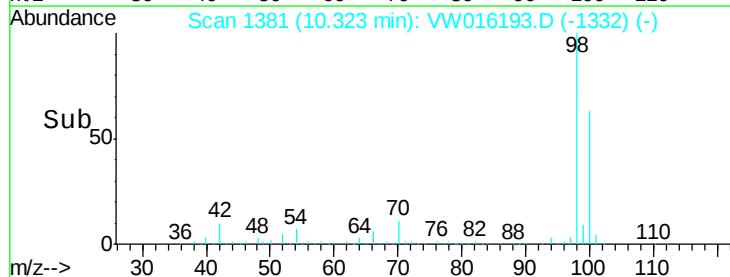
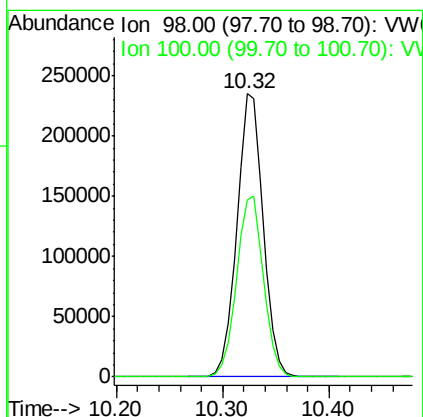
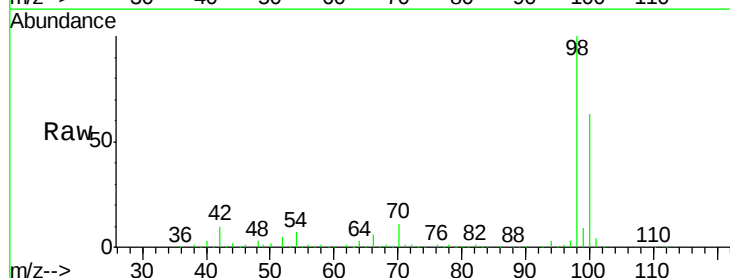
Instrument :
MSVOA_W
ClientSampleId :
RBR-59

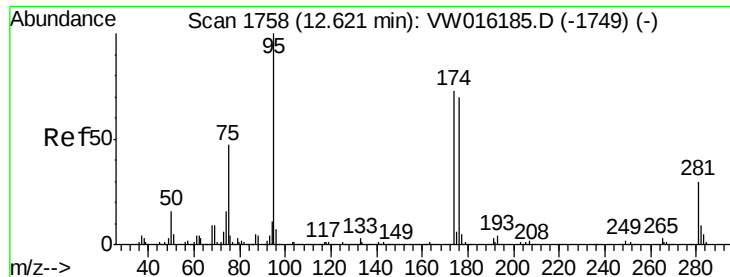
Tgt Ion:117 Resp: 20785
Ion Ratio Lower Upper
117 100
119 5.6 76.6 115.0#
121 0.0 25.4 38.0#



#50
Toluene-d8
Concen: 47.868 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW016193.D
Acq: 14 Aug 2020 15:40

Tgt Ion: 98 Resp: 406940
Ion Ratio Lower Upper
98 100
100 65.3 53.5 80.3

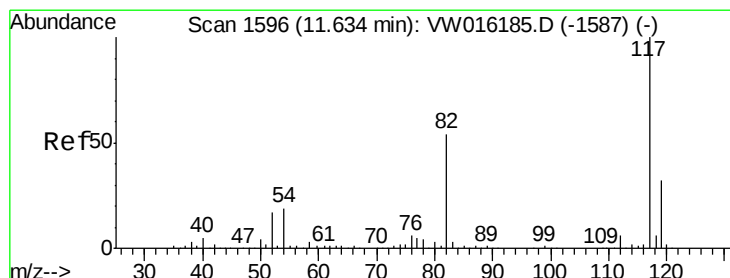
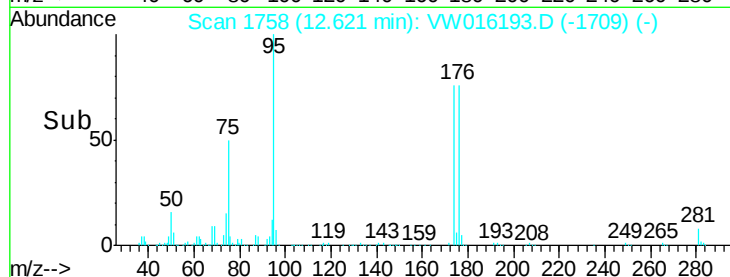
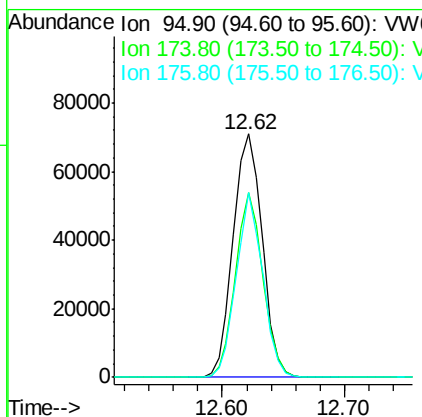
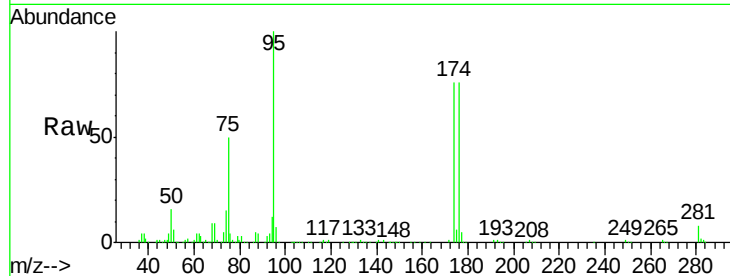




#62
4-Bromofluorobenzene
Concen: 38.451 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW016193.D
Acq: 14 Aug 2020 15:40

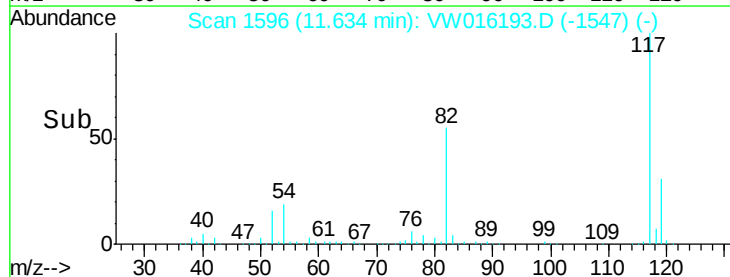
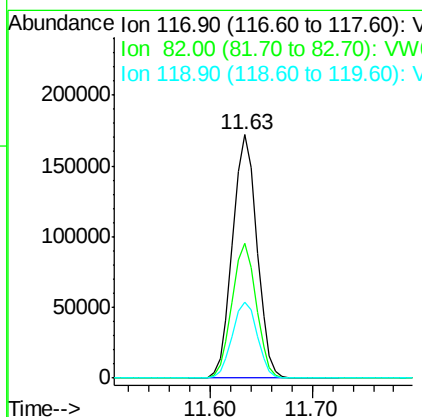
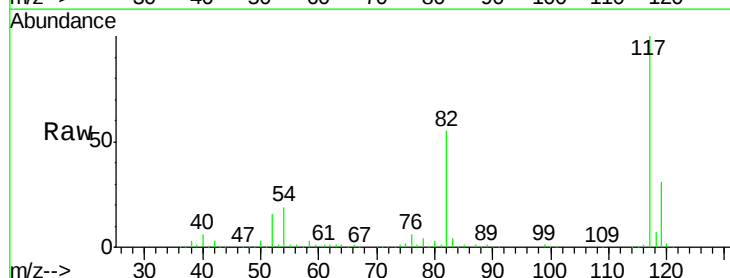
Instrument :
MSVOA_W
ClientSampleId :
RBR-59

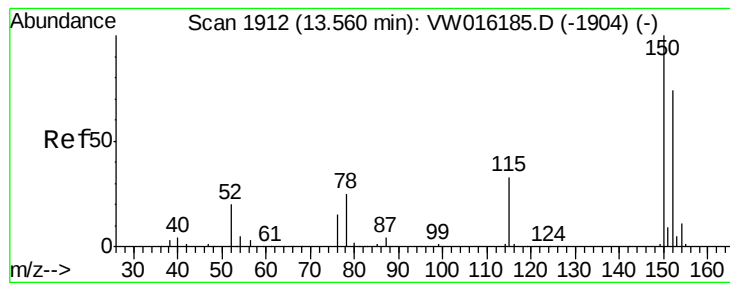
Tgt Ion: 95 Resp: 116846
Ion Ratio Lower Upper
95 100
174 72.0 0.0 145.6
176 68.9 0.0 137.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW016193.D
Acq: 14 Aug 2020 15:40

Tgt Ion: 117 Resp: 283561
Ion Ratio Lower Upper
117 100
82 55.4 43.6 65.4
119 31.3 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW016193.D

Acq: 14 Aug 2020 15:40

Instrument :

MSVOA_W

ClientSampled :

RBR-59

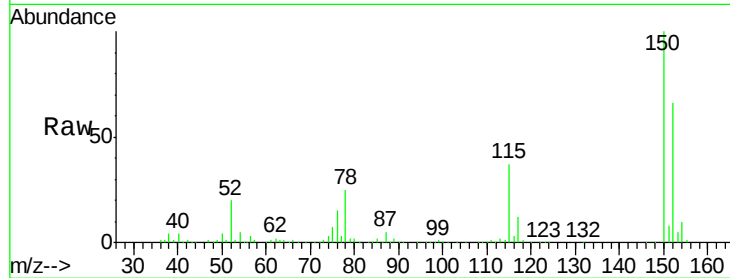
Tgt Ion: 152 Resp: 90700

Ion Ratio Lower Upper

152 100

115 61.9 30.9 92.5

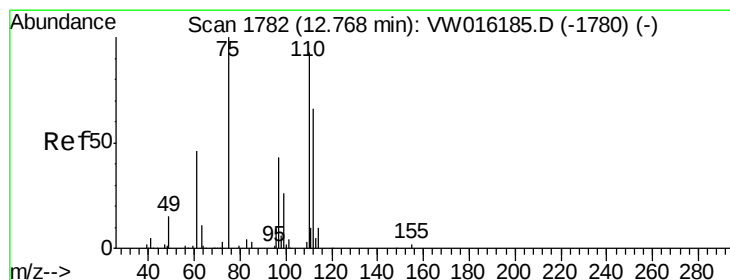
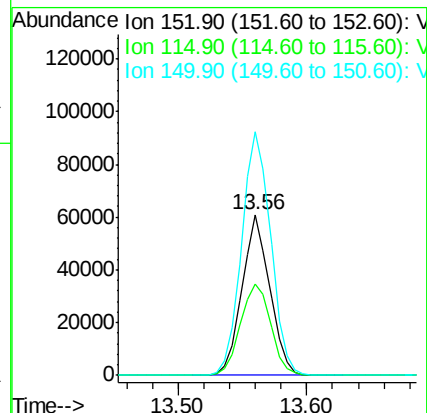
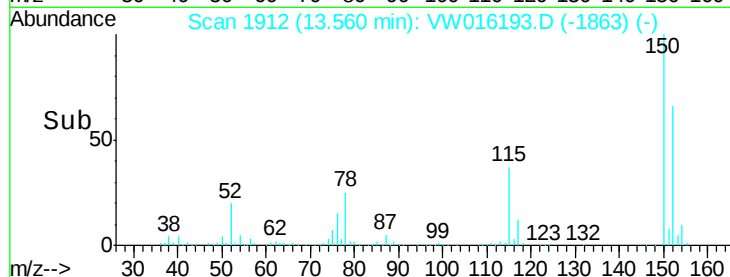
150 159.0 0.0 337.8



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: 66.478 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW016193.D

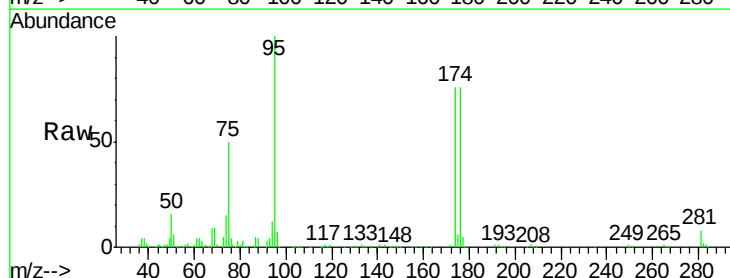
Acq: 14 Aug 2020 15:40

Tgt Ion: 75 Resp: 55452

Ion Ratio Lower Upper

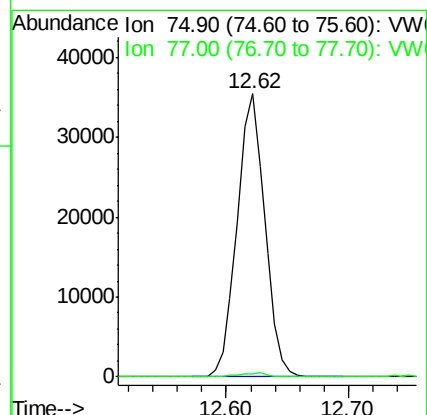
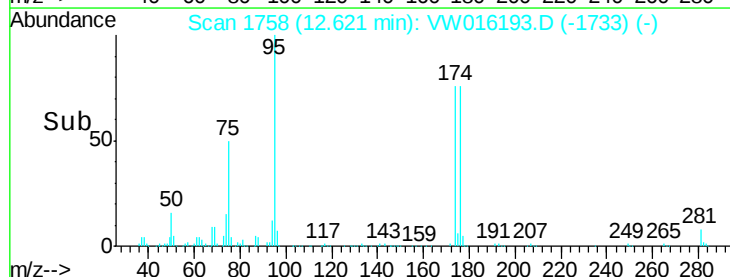
75 100

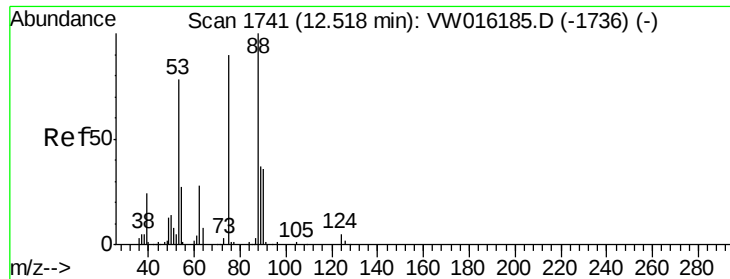
77 1.7 173.6 520.6#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

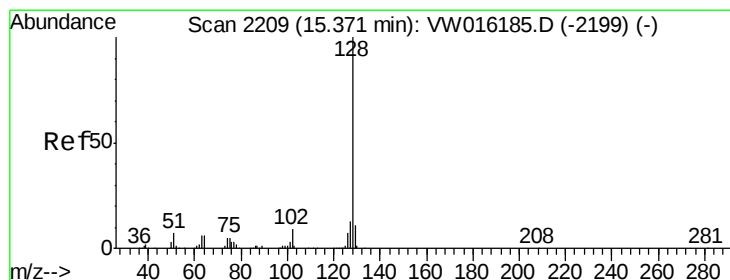
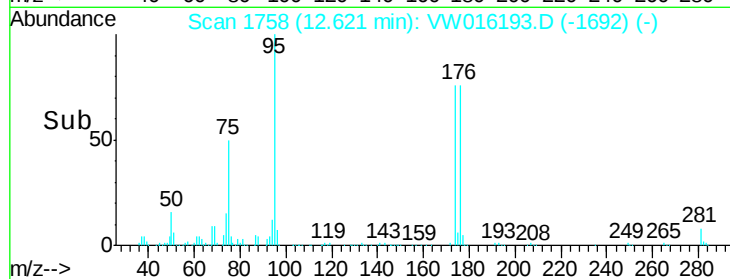
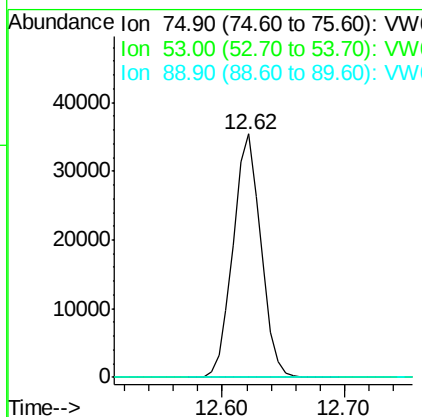
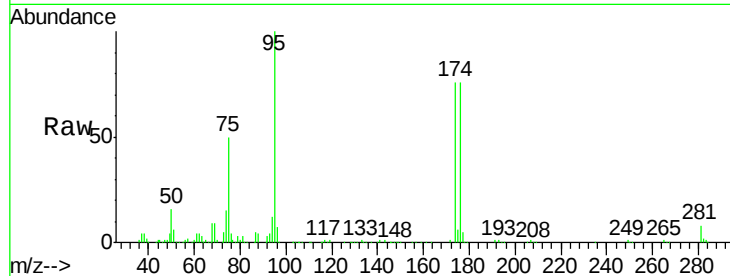




#81
 trans-1,4-Dichloro-2-butene
 Concen: 159.456 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.10 min
 Lab File: VW016193.D
 Acq: 14 Aug 2020 15:40

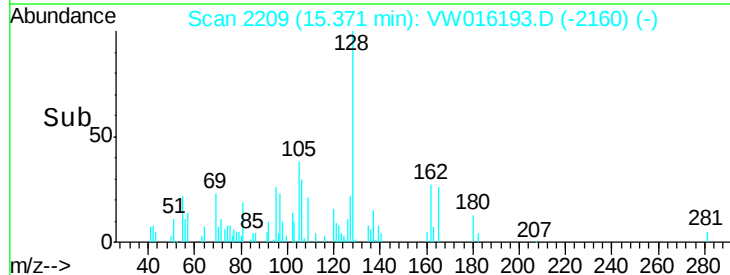
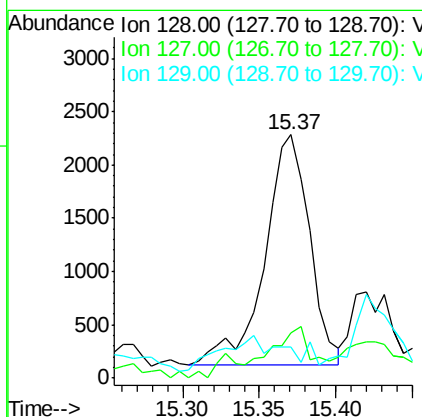
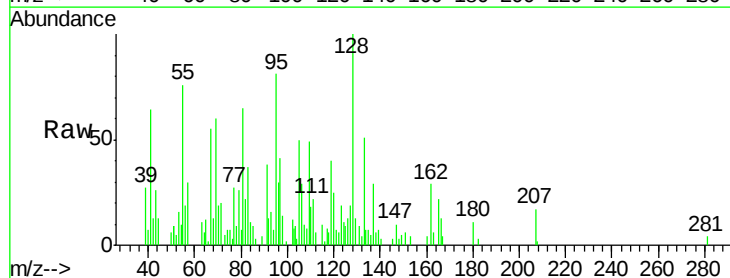
Instrument :
 MSVOA_W
 ClientSampleId :
 RBR-59

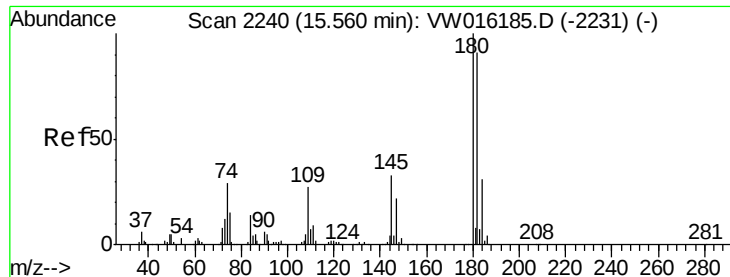
Tgt Ion: 75 Resp: 55452
 Ion Ratio Lower Upper
 75 100
 53 0.1 74.6 111.8#
 89 0.0 37.2 55.8#



#95
 Naphthalene
 Concen: 4.812 ug/l
 RT: 15.37 min Scan# 2209
 Delta R.T. 0.00 min
 Lab File: VW016193.D
 Acq: 14 Aug 2020 15:40

Tgt Ion: 128 Resp: 4438
 Ion Ratio Lower Upper
 128 100
 127 17.1 10.2 15.4#
 129 0.0 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.717 ug/l
 RT: 15.58 min Scan# 2243
 Delta R.T. 0.02 min
 Lab File: VW016193.D
 Acq: 14 Aug 2020 15:40

Instrument :
 MSVOA_W
 ClientSampleId :
 RBR-59

Tgt Ion	Ratio	Lower	Upper
180	100		
182	0.0	47.7	143.1#
145	0.0	17.4	52.3#

