

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062320\
 Data File : VW015662.D
 Acq On : 23 Jun 2020 15:27
 Operator : SY/VA
 Sample : L3020-09
 Misc : 7.15G/5ML/MSVOA W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 FD-02_061620

Quant Time: Jun 24 03:06:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W062320S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 23 13:20:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	169709	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	290892	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	265090	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	115079	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	102793	54.44	ug/l	0.00
Spiked Amount			Recovery	=	108.88%	
35) Dibromofluoromethane	7.89	113	91407	49.95	ug/l	0.00
Spiked Amount			Recovery	=	99.90%	
50) Toluene-d8	10.32	98	359528	49.93	ug/l	0.00
Spiked Amount			Recovery	=	99.86%	
62) 4-Bromofluorobenzene	12.62	95	120899	45.59	ug/l	0.00
Spiked Amount			Recovery	=	91.18%	

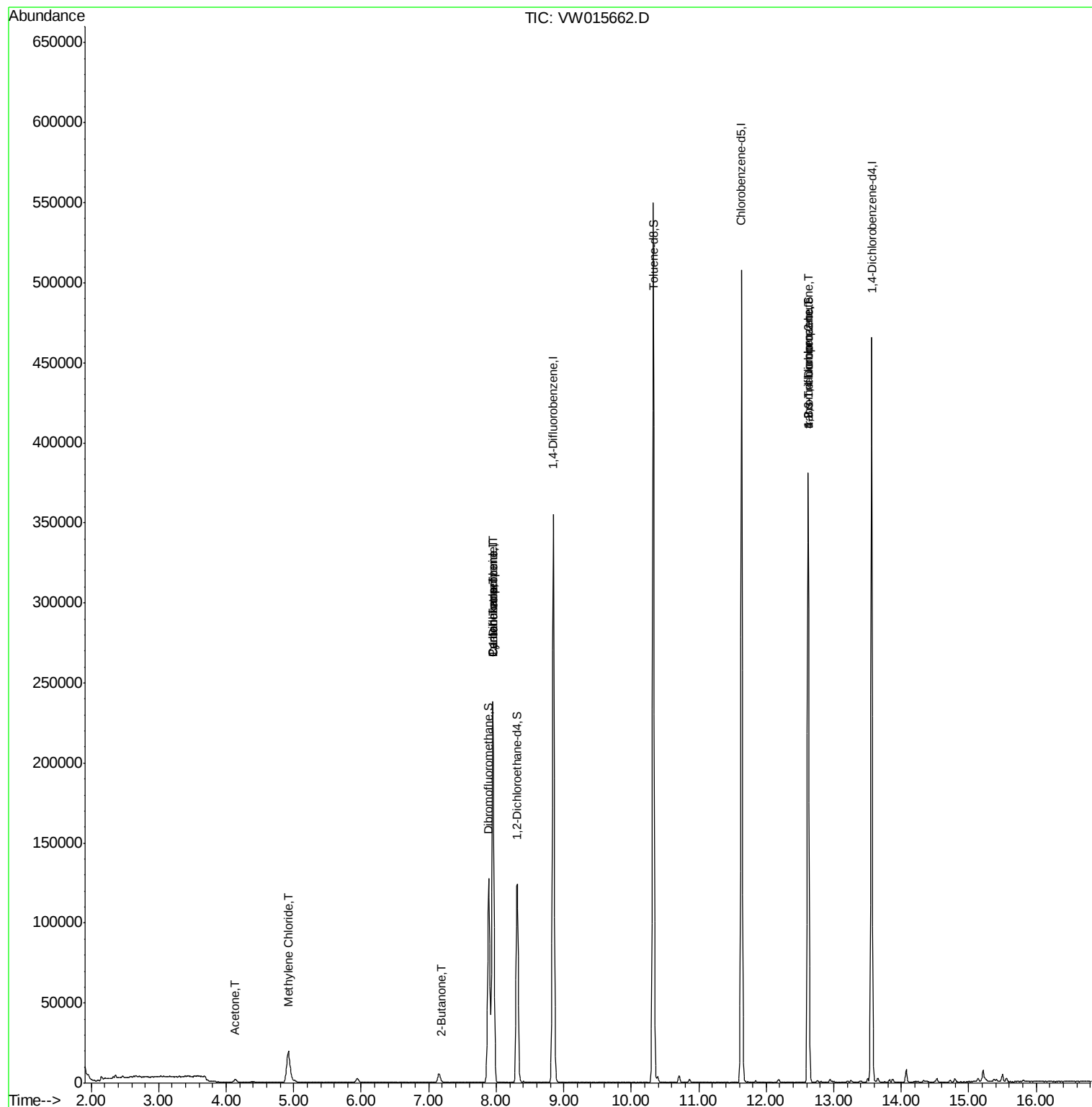
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.17	59	180	Below Cal	#	72
16) Acetone	4.13	43	3097	8.628	ug/l #	78
18) Methyl Acetate	4.70	43	145	Below Cal	#	52
20) Methylene Chloride	4.92	84	16893	5.615	ug/l	98
25) 2-Butanone	7.20	43	575	1.185	ug/l	96
31) Cyclohexane	7.95	56	3971	1.221	ug/l #	35
36) 1,1-Dichloropropene	7.95	75	13896	4.593	ug/l #	50
38) Carbon Tetrachloride	7.95	117	17250	5.882	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	65712	62.601	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	65712	157.757	ug/l #	8

(#) = 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# 992

Delta R.T. 0.00 min

Lab File: VW015662.D

Acq: 23 Jun 2020 15:27

Instrument :

MSVOA_W

ClientSampleId :

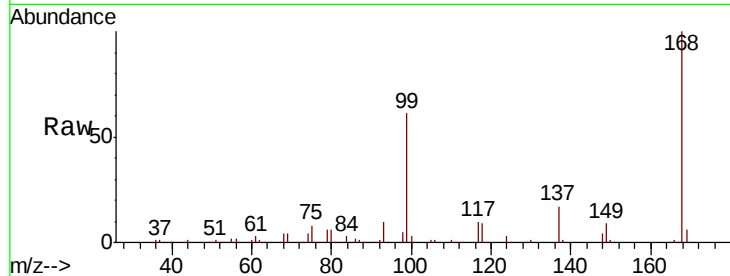
FD-02_061620

Tot Ion:168 Resp: 169709

Ion Ratio Lower Upper

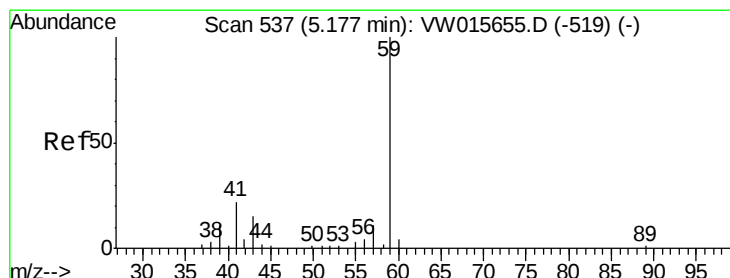
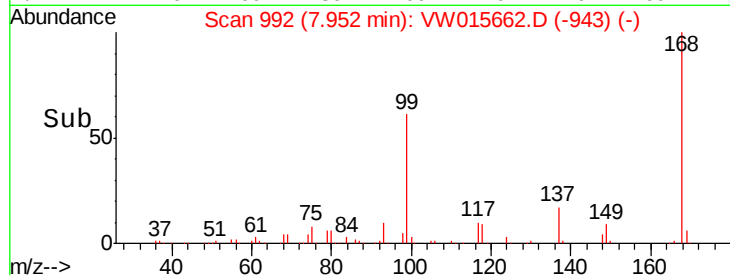
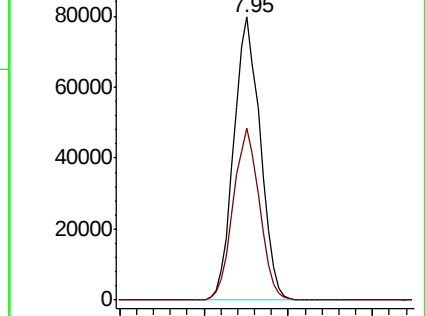
168 100

99 60.6 48.6 73.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.17 min Scan# 536

Delta R.T. -0.01 min

Lab File: VW015662.D

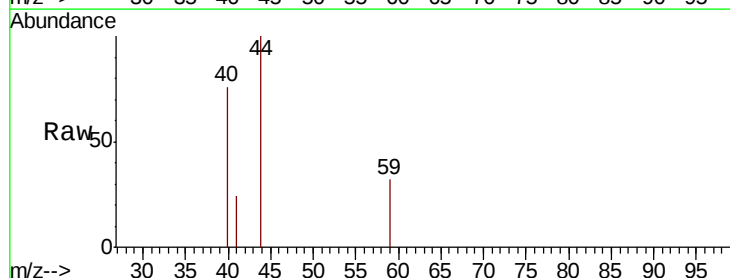
Acq: 23 Jun 2020 15:27

Tgt Ion: 59 Resp: 180

Ion Ratio Lower Upper

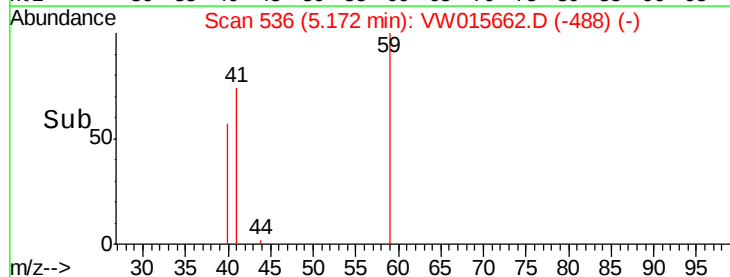
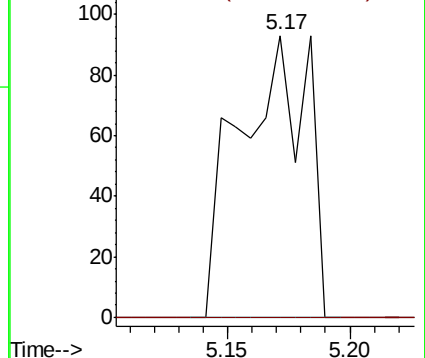
59 100

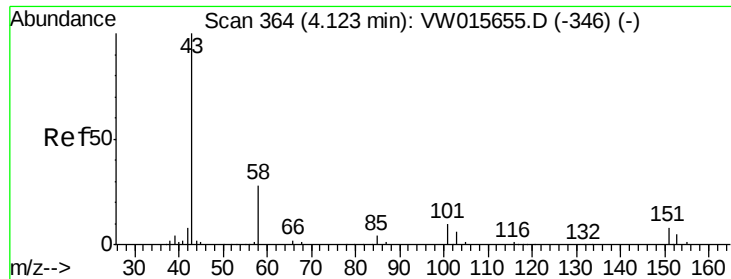
57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 8.628 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW015662.D

Acq: 23 Jun 2020 15:27

Instrument :

MSVOA_W

ClientSampleId :

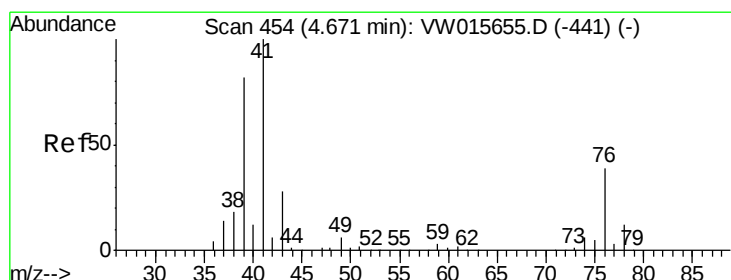
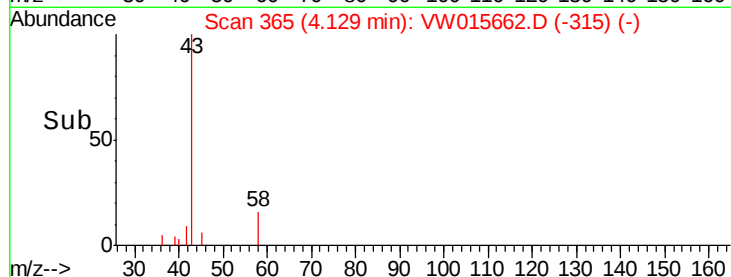
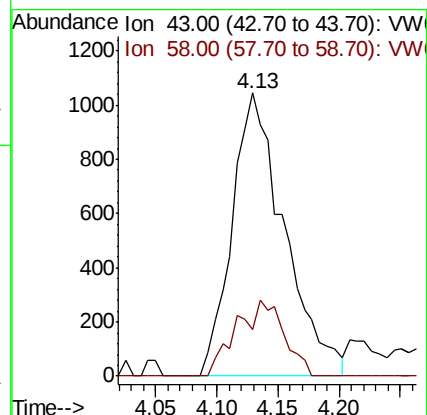
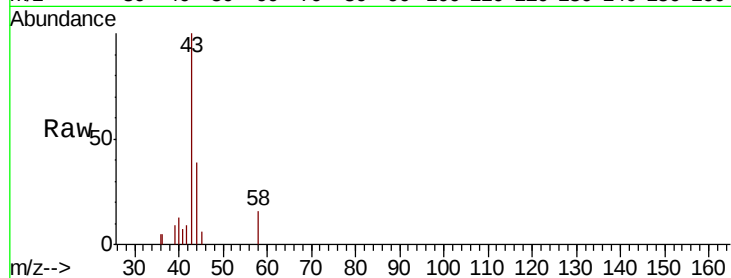
FD-02_061620

Tot Ion: 43 Resp: 3097

Ion Ratio Lower Upper

43 100

58 16.5 22.6 33.8#



#18

Methyl Acetate

Concen: Below Cal

RT: 4.70 min Scan# 458

Delta R.T. 0.03 min

Lab File: VW015662.D

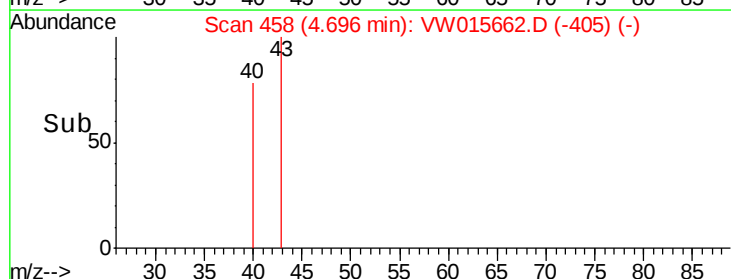
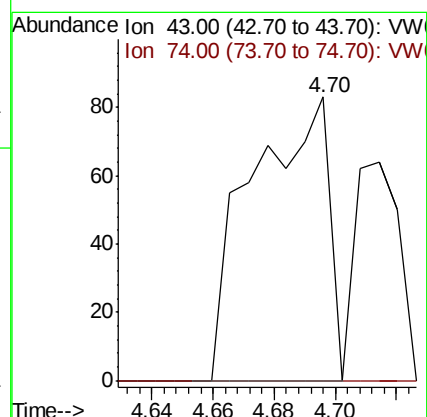
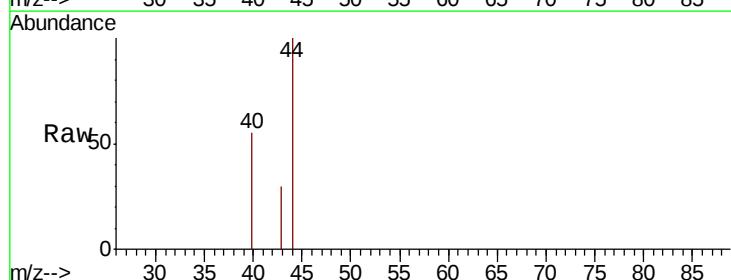
Acq: 23 Jun 2020 15:27

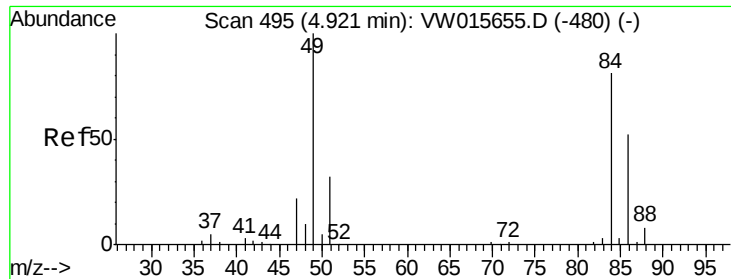
Tgt Ion: 43 Resp: 145

Ion Ratio Lower Upper

43 100

74 0.0 19.0 28.6#

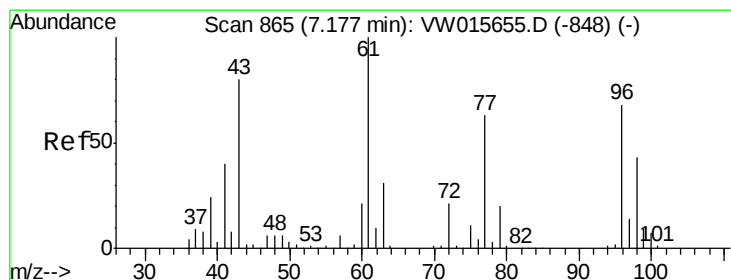
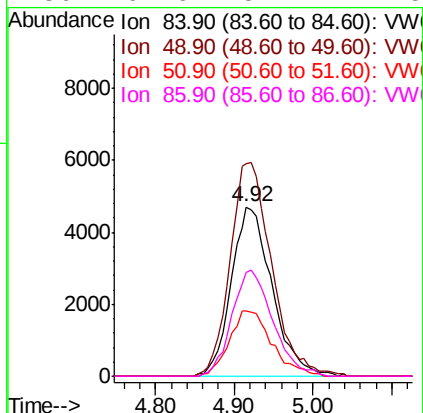
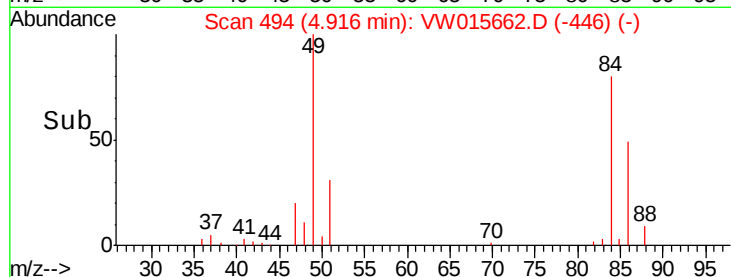
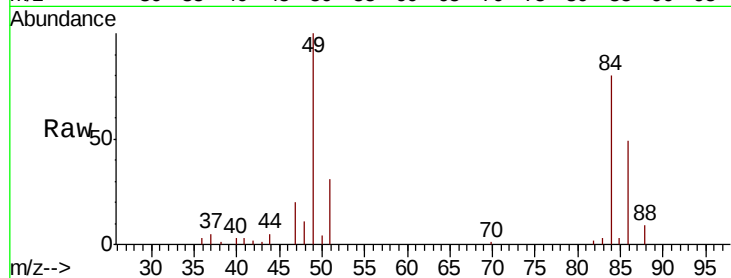




#20
Methvlene Chloride
Concen: 5.615 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW015662.D
Acq: 23 Jun 2020 15:27

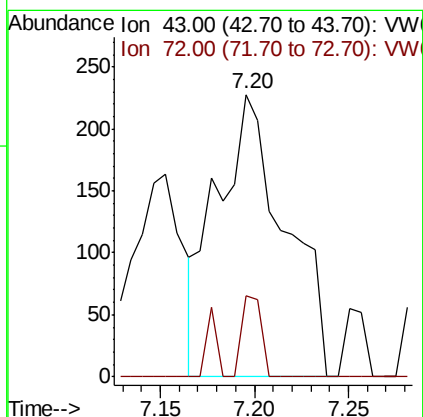
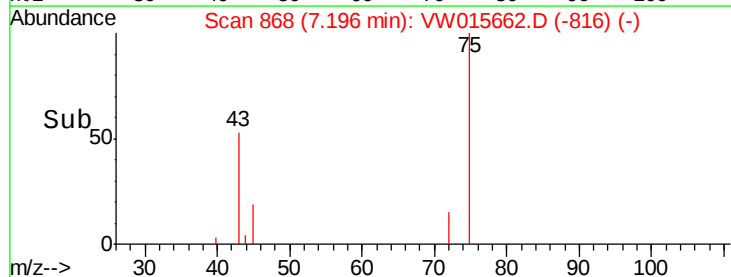
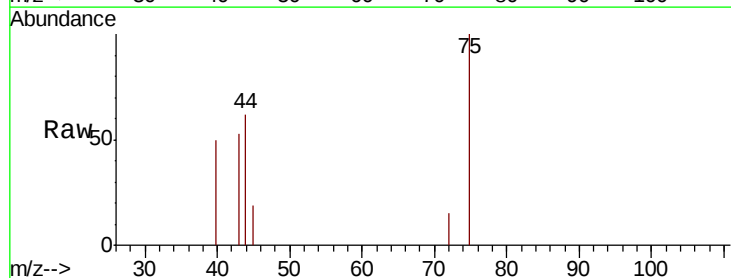
Instrument :
MSVOA_W
ClientSampleId :
FD-02_061620

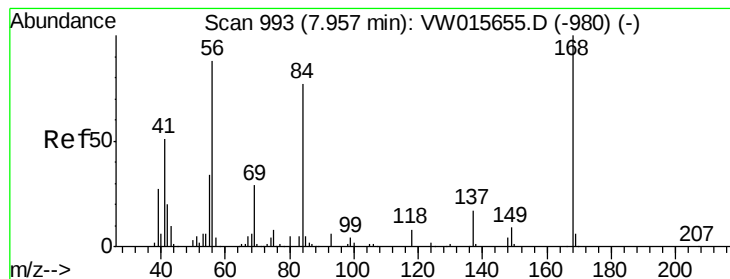
Tot Ion: 84 Resp: 16893
Ion Ratio Lower Upper
84 100
49 125.3 99.3 148.9
51 38.6 31.8 47.6
86 61.6 51.7 77.5



#25
2-Butanone
Concen: 1.185 ug/l
RT: 7.20 min Scan# 868
Delta R.T. 0.02 min
Lab File: VW015662.D
Acq: 23 Jun 2020 15:27

Tgt Ion: 43 Resp: 575
Ion Ratio Lower Upper
43 100
72 28.5 21.1 31.7





#31

Cyclohexane

Concen: 1.221 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW015662.D

Acq: 23 Jun 2020 15:27

Instrument :

MSVOA_W

ClientSampleId :

FD-02_061620

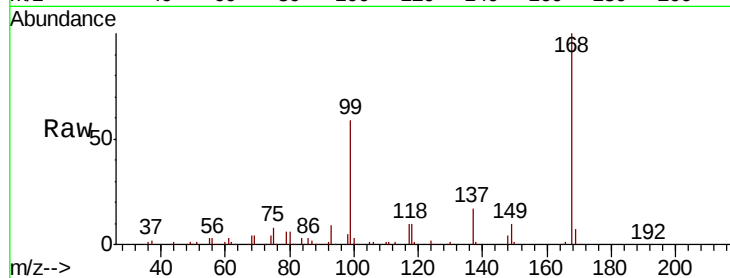
Tot Ion: 56 Resp: 3971

Ion Ratio Lower Upper

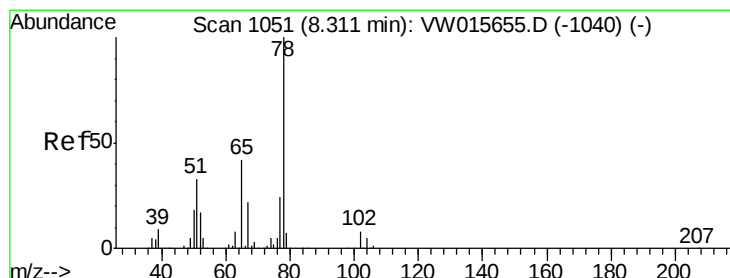
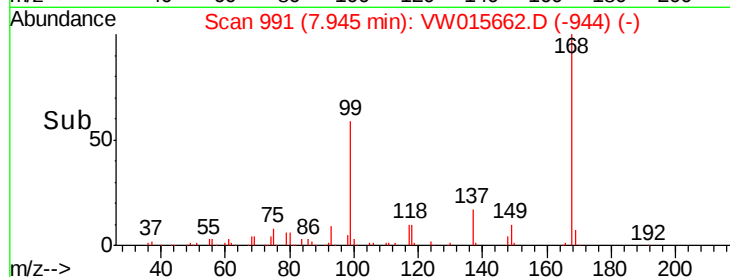
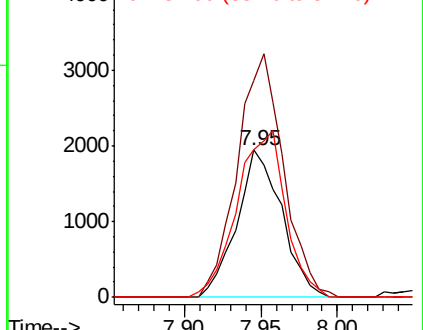
56 100

69 147.4 26.2 39.4#

84 100.7 70.4 105.6



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: 54.438 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VW015662.D

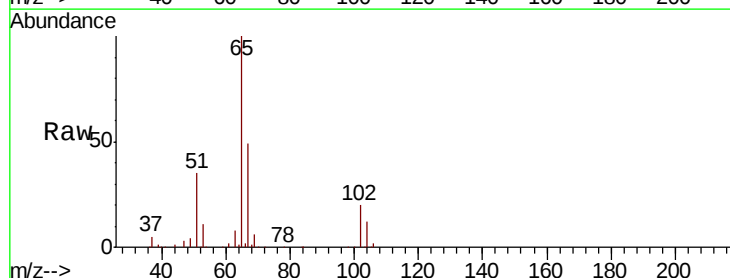
Acq: 23 Jun 2020 15:27

Tgt Ion: 65 Resp: 102793

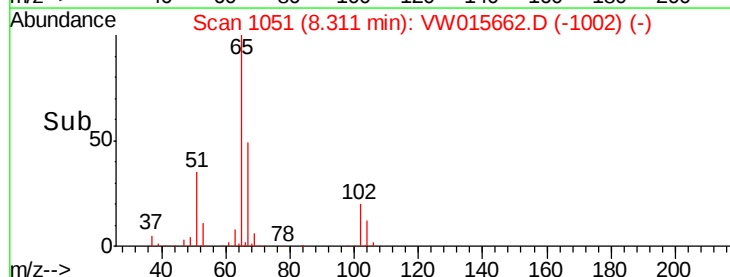
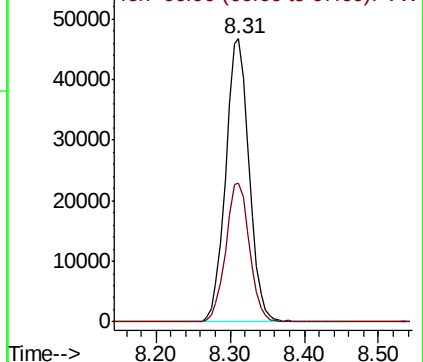
Ion Ratio Lower Upper

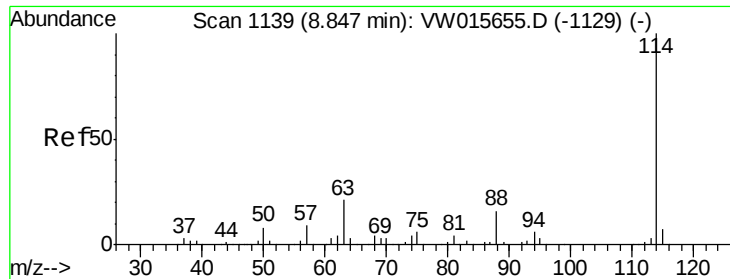
65 100

67 49.6 0.0 102.2



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

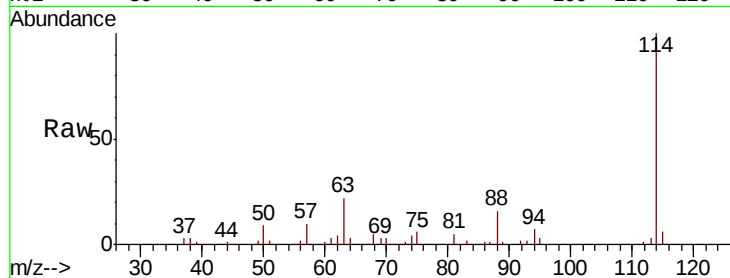




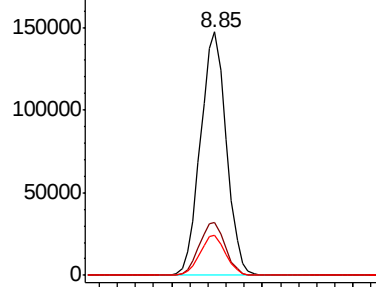
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW015662.D
 Acq: 23 Jun 2020 15:27

Instrument :
 MSVOA_W
 ClientSampleId :
 FD-02_061620

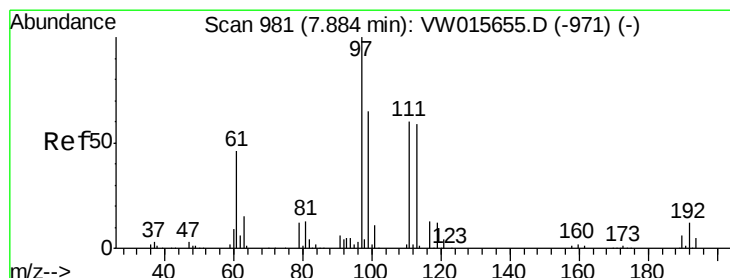
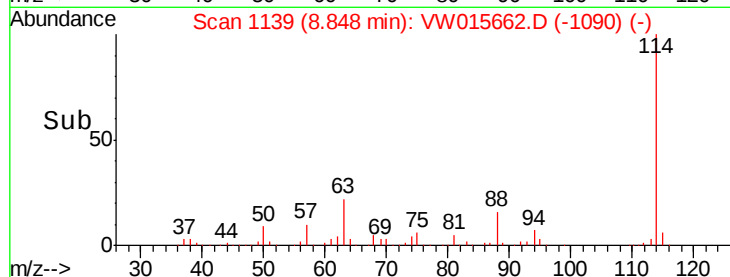
Tot Ion	Ratio	Lower	Upper
114	100		
63	21.7	0.0	42.4
88	16.3	0.0	32.6



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

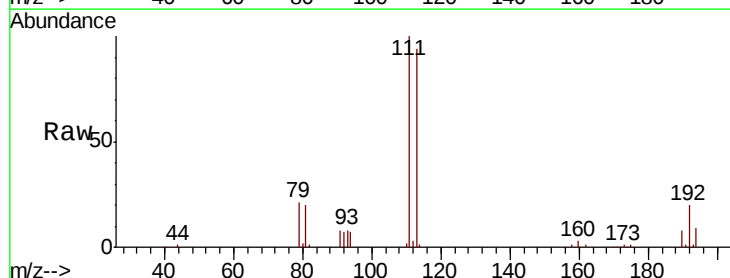


Time-->

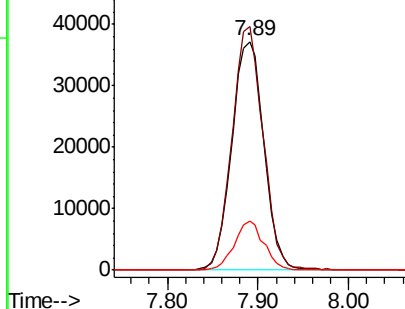


#35
 Dibromofluoromethane
 Concen: 49.955 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.01 min
 Lab File: VW015662.D
 Acq: 23 Jun 2020 15:27

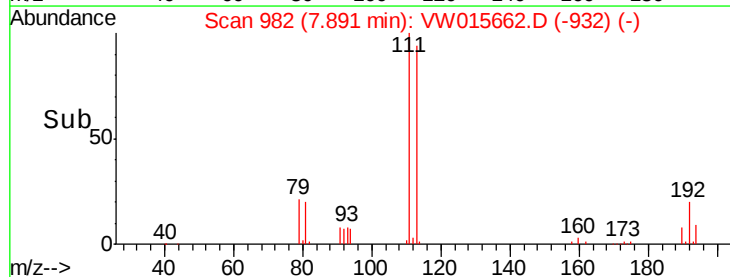
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.3	123.5
192	19.7	16.4	24.6

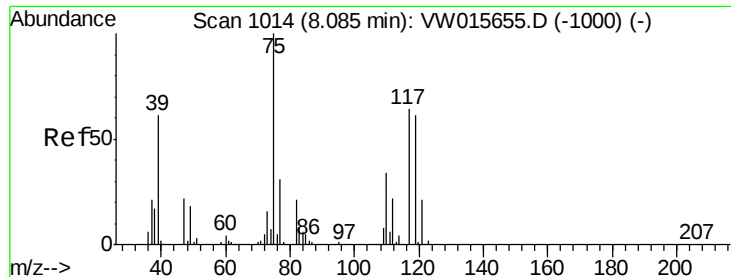


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V



Time-->

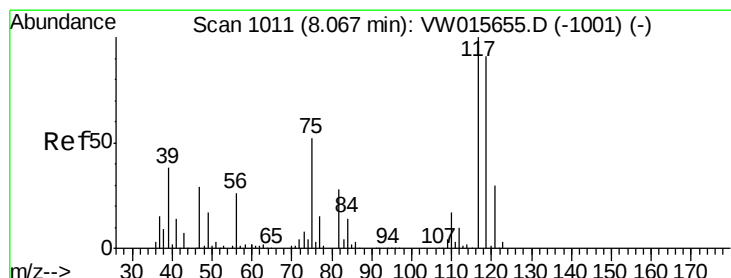
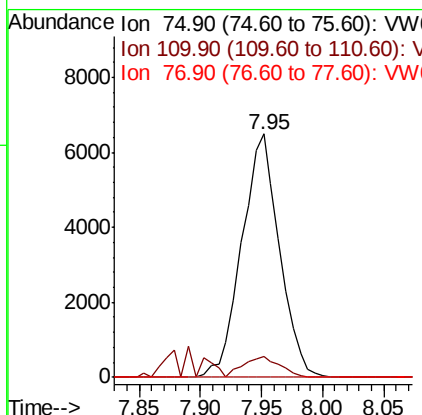
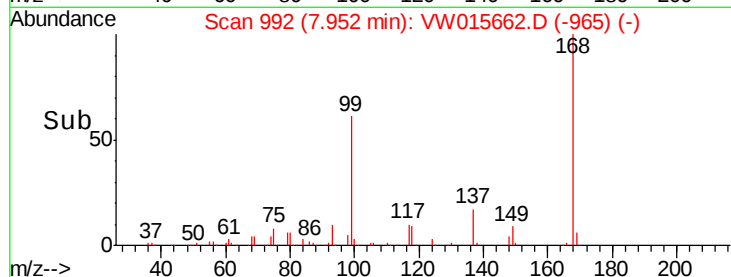
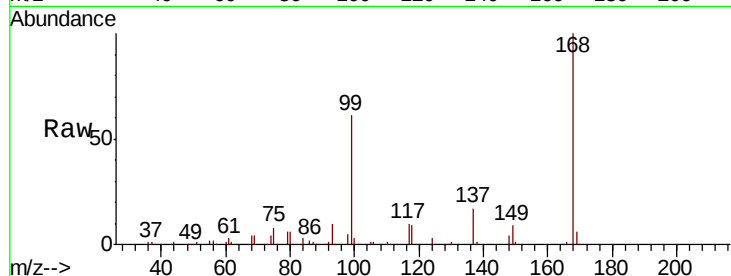




#36
 1,1-Dichloropropene
 Concen: 4.593 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW015662.D
 Acq: 23 Jun 2020 15:27

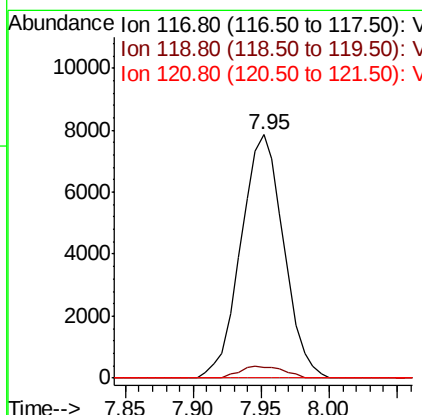
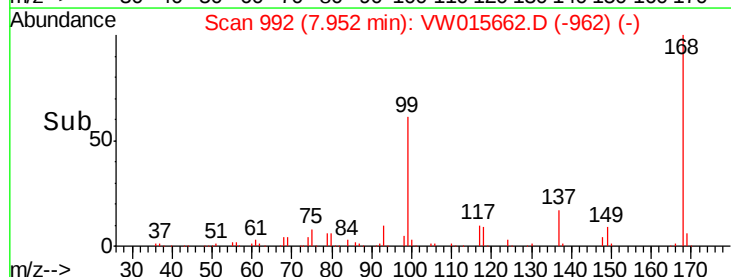
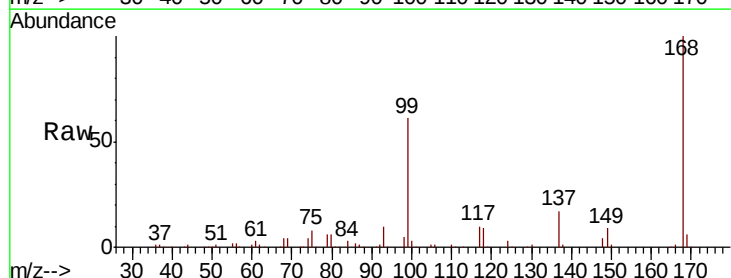
Instrument :
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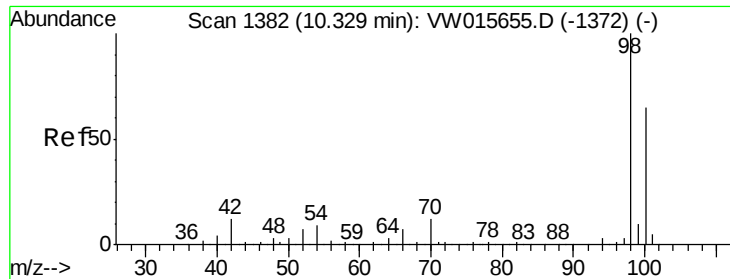
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.3	17.0	51.0#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 5.882 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW015662.D
 Acq: 23 Jun 2020 15:27

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.4	73.2	109.8#
121	0.0	23.9	35.9#





#50

Toluene-d8

Concen: 49.928 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.01 min

Lab File: VW015662.D

Acq: 23 Jun 2020 15:27

Instrument :

MSVOA_W

ClientSampleId :

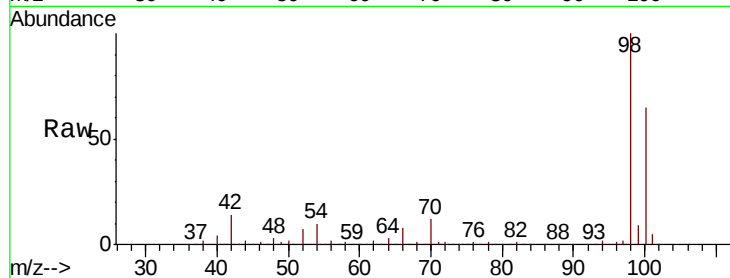
FD-02_061620

Tot Ion: 98 Resp: 359528

Ion Ratio Lower Upper

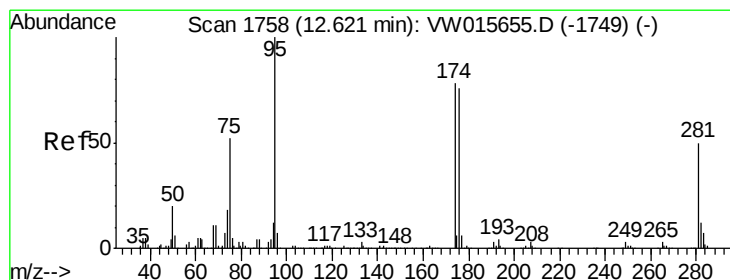
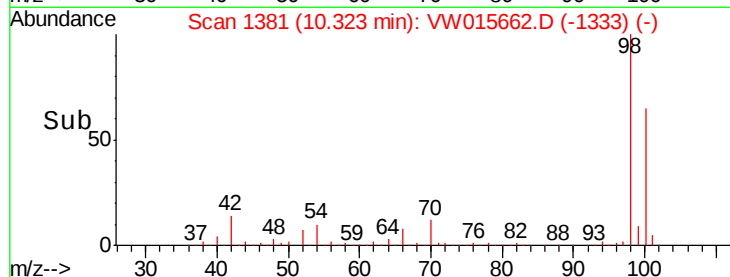
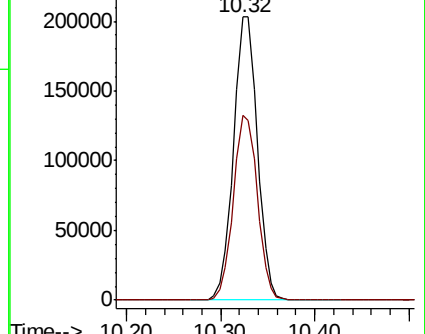
98 100

100 65.7 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#62

4-Bromofluorobenzene

Concen: 45.589 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW015662.D

Acq: 23 Jun 2020 15:27

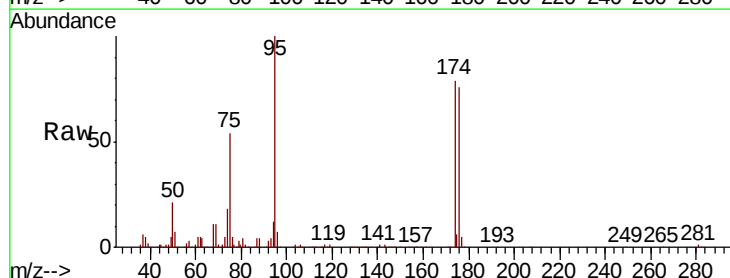
Tgt Ion: 95 Resp: 120899

Ion Ratio Lower Upper

95 100

174 77.1 0.0 157.0

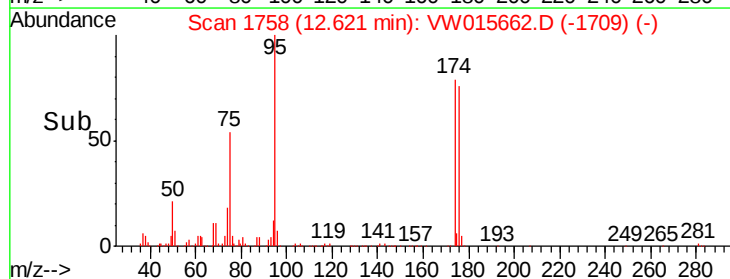
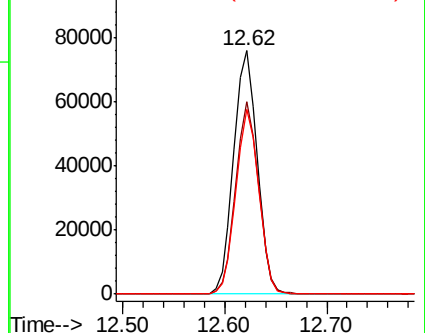
176 74.0 0.0 151.4

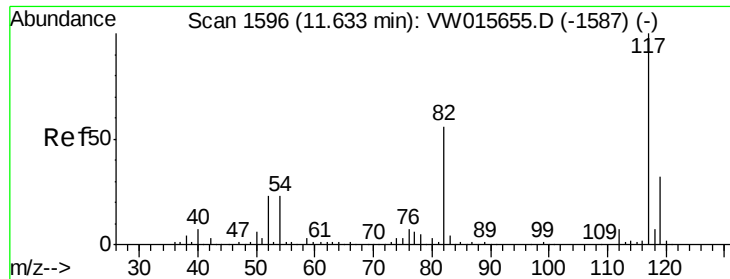


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

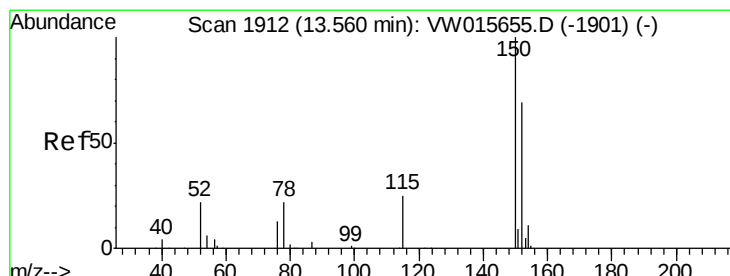
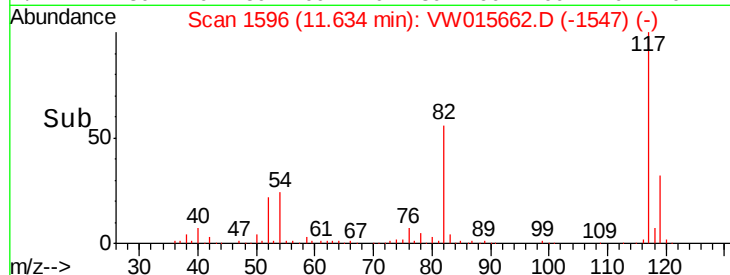
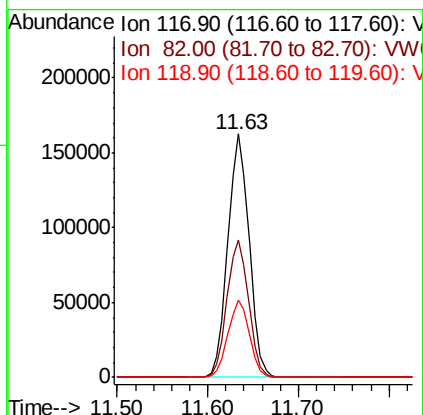
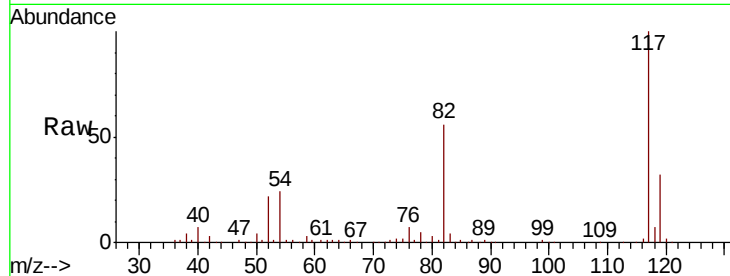




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW015662.D
Acq: 23 Jun 2020 15:27

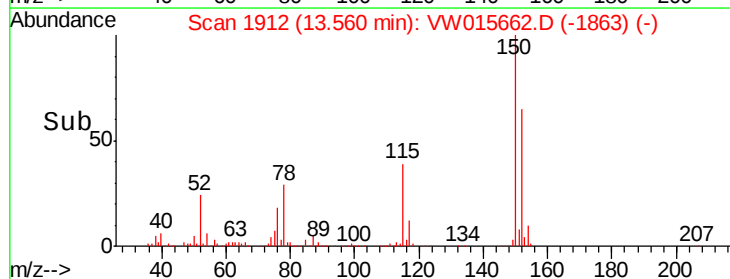
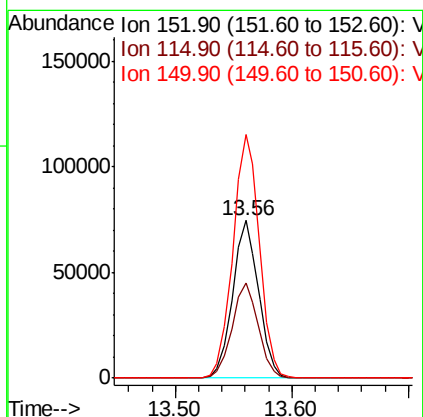
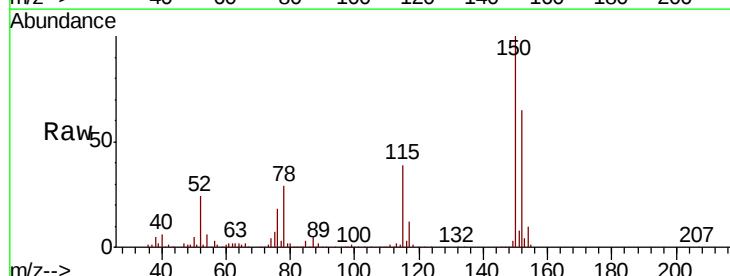
Instrument :
MSVOA_W
ClientSampleId :
FD-02_061620

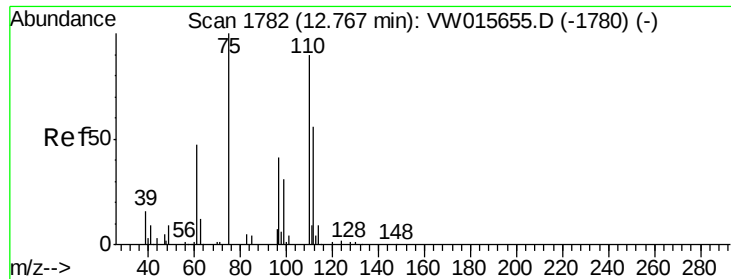
Tot Ion:117 Resp: 265090
Ion Ratio Lower Upper
117 100
82 56.5 45.1 67.7
119 31.9 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW015662.D
Acq: 23 Jun 2020 15:27

Tgt Ion:152 Resp: 115079
Ion Ratio Lower Upper
152 100
115 61.0 30.1 90.5
150 157.6 0.0 345.6





#76

1,2,3-Trichloropropane

Concen: 62.601 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW015662.D

Acq: 23 Jun 2020 15:27

Instrument :

MSVOA_W

ClientSampleId :

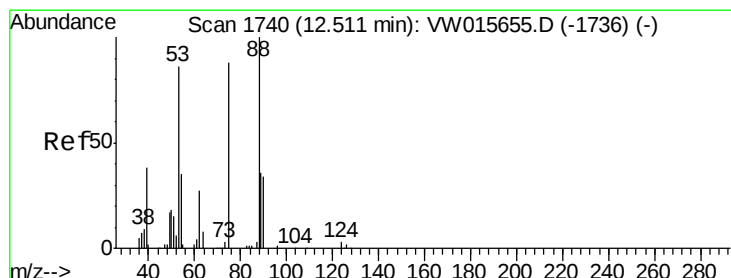
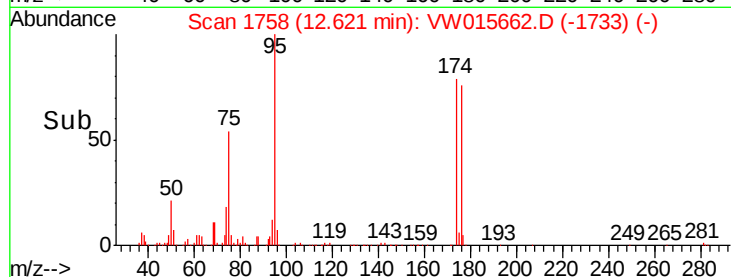
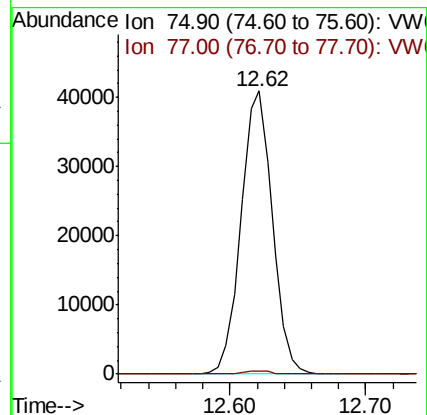
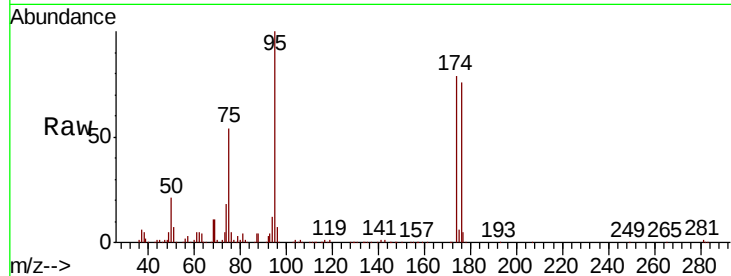
FD-02_061620

Tot Ion: 75 Resp: 65712

Ion Ratio Lower Upper

75 100

77 1.2 179.1 537.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 157.757 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW015662.D

Acq: 23 Jun 2020 15:27

Tgt Ion: 75 Resp: 65712

Ion Ratio Lower Upper

75 100

53 0.0 83.8 125.8#

89 0.0 36.6 55.0#

