

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062520\
 Data File : VW015722.D
 Acq On : 25 Jun 2020 12:19
 Operator : SY/VA
 Sample : L2815-11
 Misc : 7.31G/5ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 OR-02-062420

Quant Time: Jun 26 01:39:18 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	170179	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	291285	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	268235	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	116422	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	101112	53.40	ug/l	0.00
Spiked Amount			Recovery	=	106.80%	
35) Dibromofluoromethane	7.89	113	89106	48.63	ug/l	0.00
Spiked Amount			Recovery	=	97.26%	
50) Toluene-d8	10.33	98	355449	49.29	ug/l	0.00
Spiked Amount			Recovery	=	98.58%	
62) 4-Bromofluorobenzene	12.62	95	123944	46.67	ug/l	0.00
Spiked Amount			Recovery	=	93.34%	

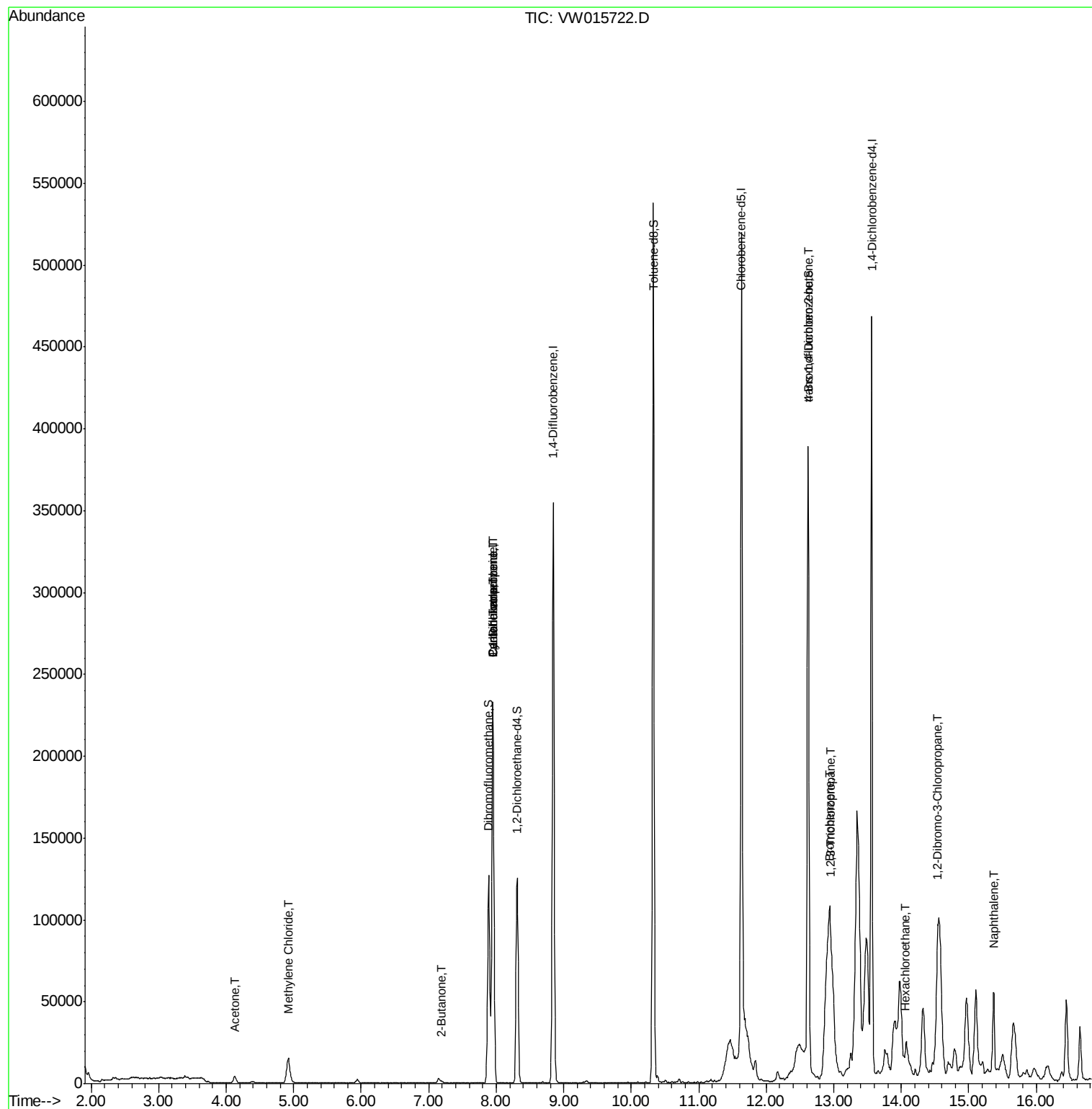
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.18	59	98	Below Cal	#	72
16) Acetone	4.13	43	7445	20.683	ug/l	94
18) Methyl Acetate	4.69	43	185	Below Cal	#	52
20) Methylene Chloride	4.92	84	12598	2.892	ug/l	97
25) 2-Butanone	7.19	43	2031	4.175	ug/l	94
31) Cyclohexane	7.95	56	4278	1.312	ug/l #	15
36) 1,1-Dichloropropene	7.95	75	14244	4.702	ug/l #	50
38) Carbon Tetrachloride	7.95	117	17602	5.994	ug/l #	17
76) 1,2,3-Trichloropropane	12.96	75	4092	3.853	ug/l	60
77) Bromobenzene	12.94	156	151638	76.572	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	65946	156.492	ug/l #	8
90) Hexachloroethane	14.05	117	1630	1.109	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.54	75	7361	32.355	ug/l #	6
95) Naphthalene	15.37	128	39688	10.690	ug/l	98

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W062320S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 23 13:20:19 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: VW015722.D

Acq: 25 Jun 2020 12:19

Instrument :

MSVOA_W

ClientSampleId :

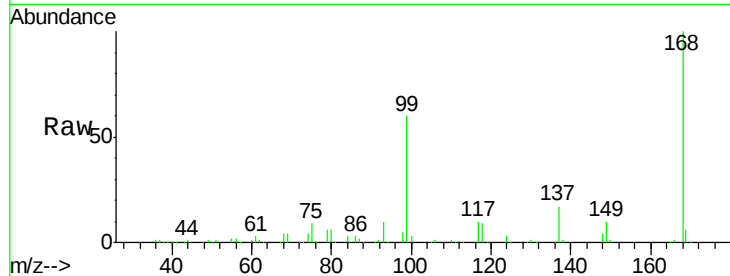
OR-02-062420

Tot Ion:168 Resp: 170179

Ion Ratio Lower Upper

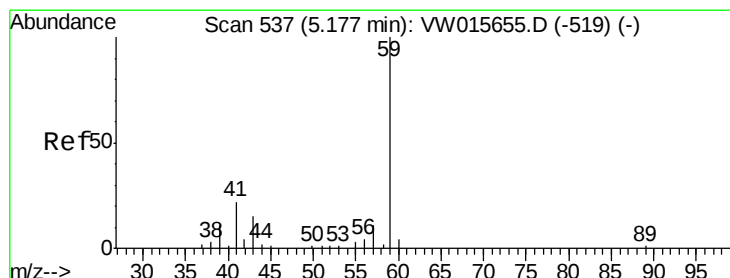
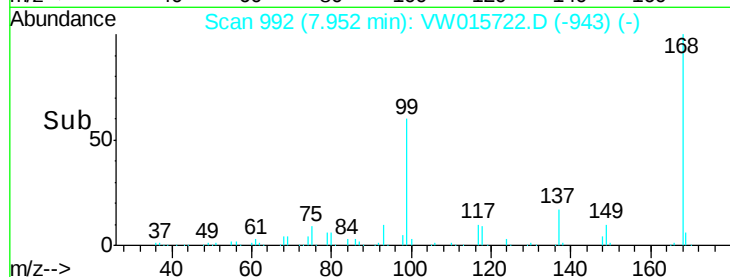
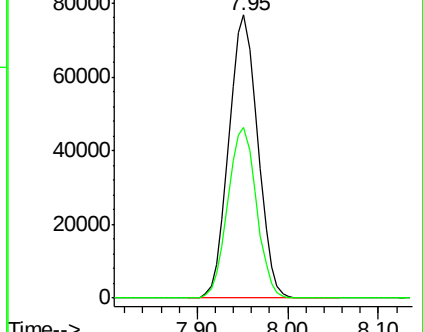
168 100

99 60.4 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: 5.18 min Scan# 538

Delta R.T. 0.01 min

Lab File: VW015722.D

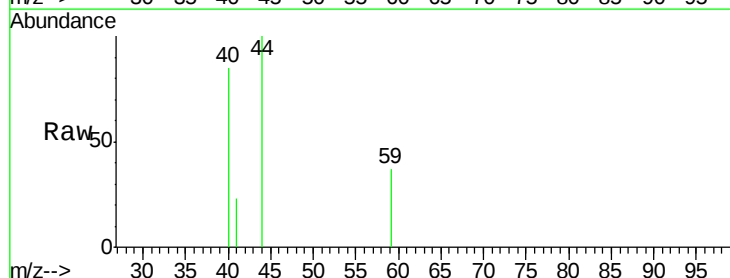
Acq: 25 Jun 2020 12:19

Tgt Ion: 59 Resp: 98

Ion Ratio Lower Upper

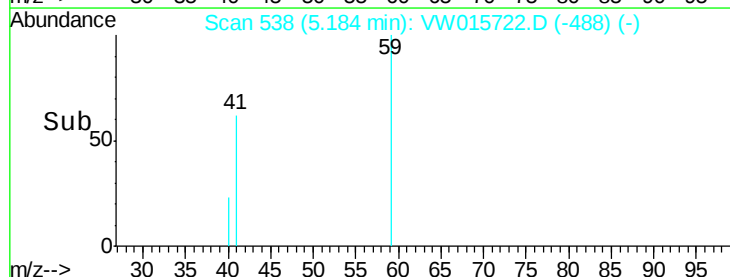
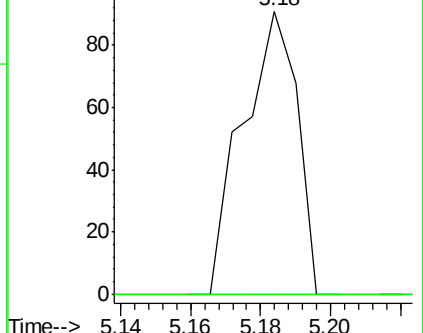
59 100

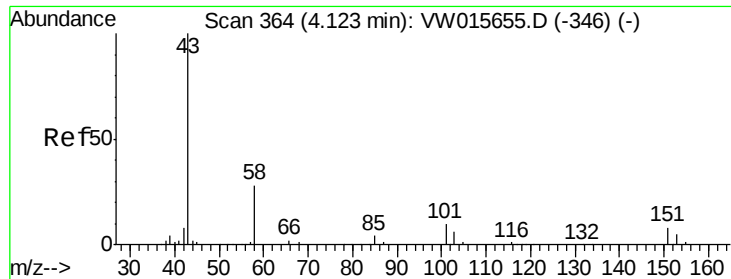
57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 20.683 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW015722.D

Acq: 25 Jun 2020 12:19

Instrument :

MSVOA_W

ClientSampleId :

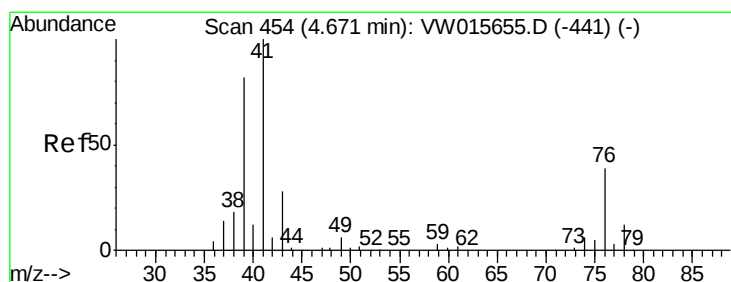
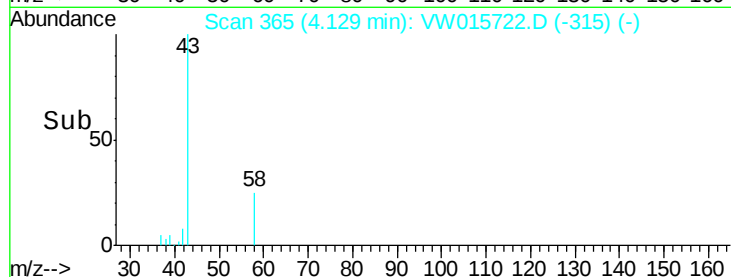
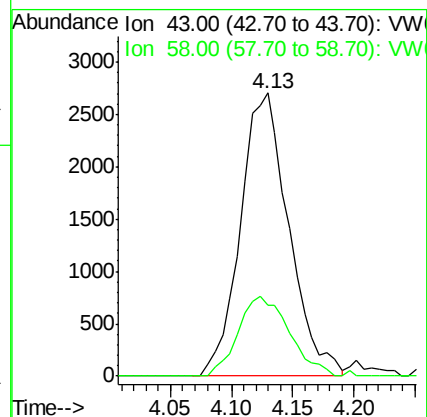
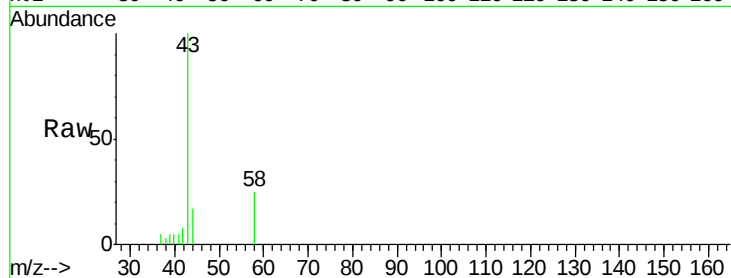
OR-02-062420

Tot Ion: 43 Resp: 7445

Ion Ratio Lower Upper

43 100

58 25.0 22.6 33.8



#18

Methyl Acetate

Concen: Below Cal

RT: 4.69 min Scan# 457

Delta R.T. 0.02 min

Lab File: VW015722.D

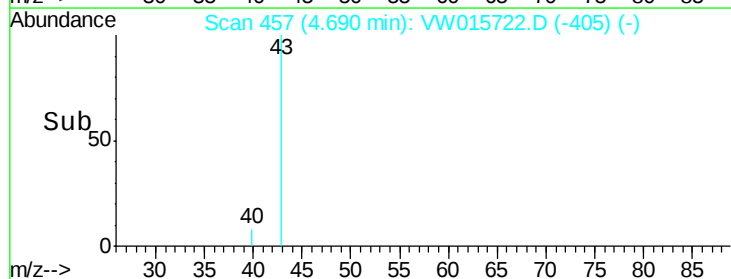
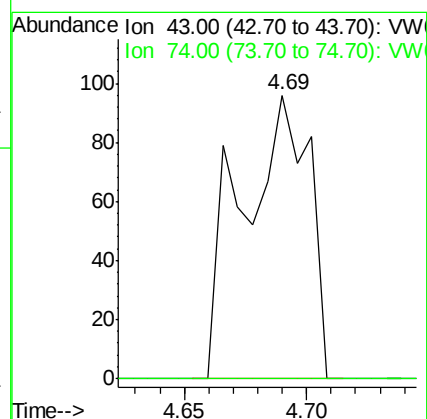
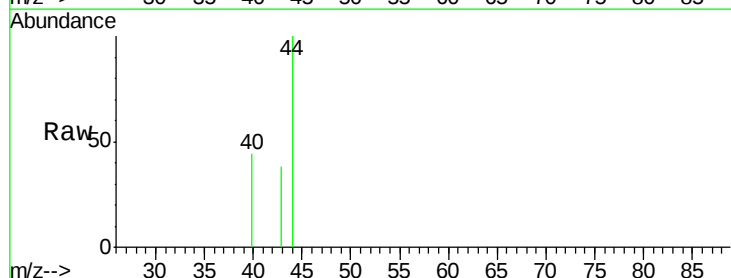
Acq: 25 Jun 2020 12:19

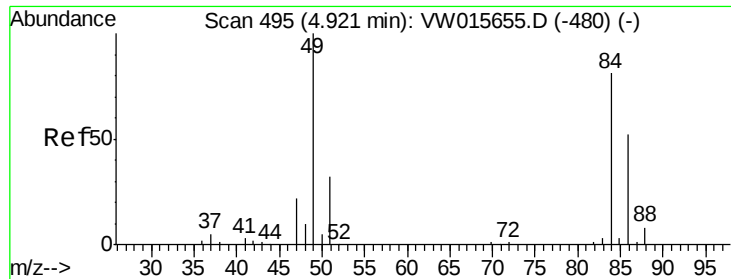
Tgt Ion: 43 Resp: 185

Ion Ratio Lower Upper

43 100

74 0.0 19.0 28.6#

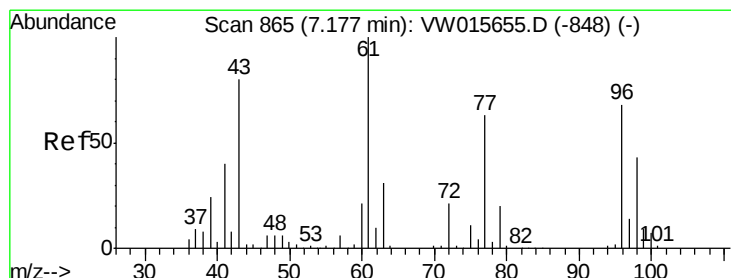
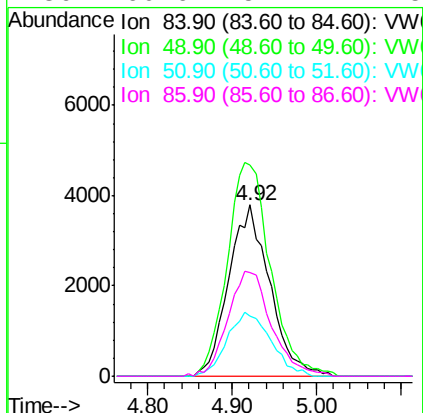
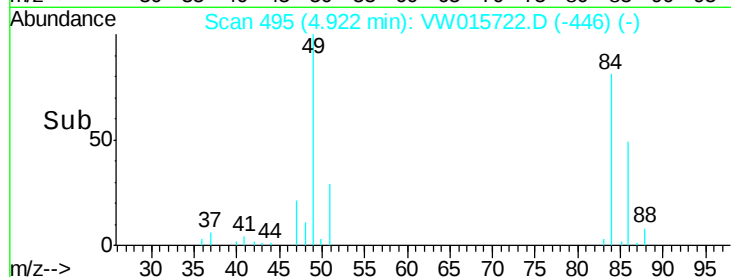
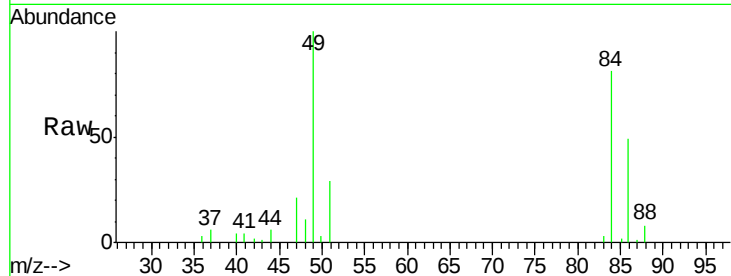




#20
Methvlene Chloride
Concen: 2.892 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW015722.D
Acq: 25 Jun 2020 12:19

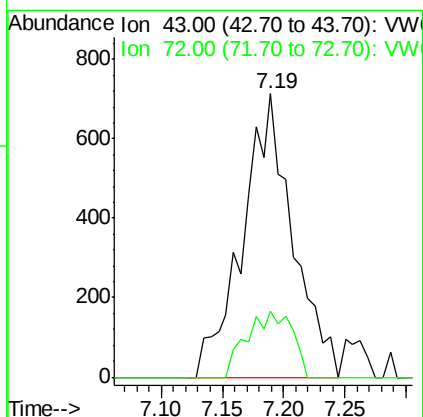
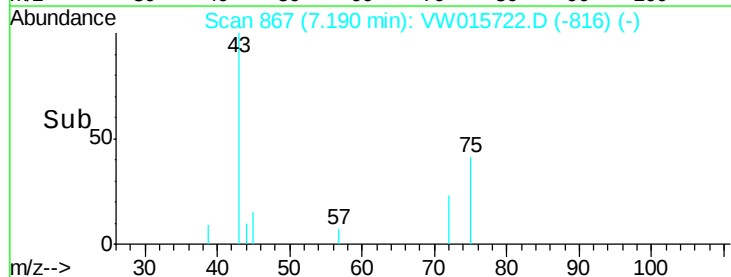
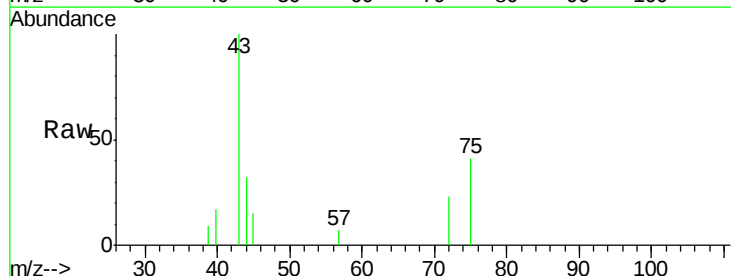
Instrument :
MSVOA_W
ClientSampleId :
OR-02-062420

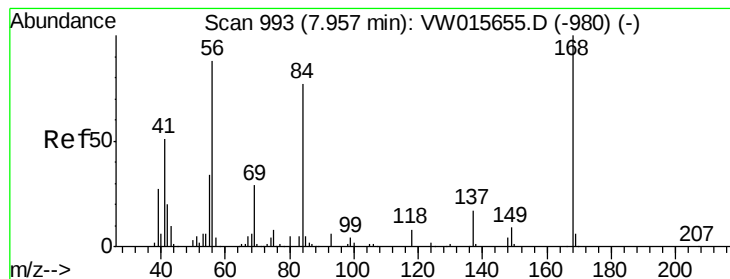
Tot Ion:	84	Resp:	12598
Ion	Ratio	Lower	Upper
84	100		
49	123.7	99.3	148.9
51	35.3	31.8	47.6
86	60.6	51.7	77.5



#25
2-Butanone
Concen: 4.175 ug/l
RT: 7.19 min Scan# 867
Delta R.T. 0.01 min
Lab File: VW015722.D
Acq: 25 Jun 2020 12:19

Tgt Ion:	43	Resp:	2031
Ion	Ratio	Lower	Upper
43	100		
72	23.4	21.1	31.7





#31

Cyclohexane

Concen: 1.312 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW015722.D

Acq: 25 Jun 2020 12:19

Instrument :

MSVOA_W

ClientSampleId :

OR-02-062420

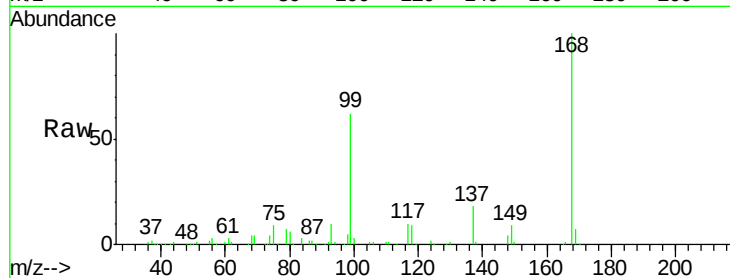
Tot Ion: 56 Resp: 4278

Ion Ratio Lower Upper

56 100

69 147.5 26.2 39.4#

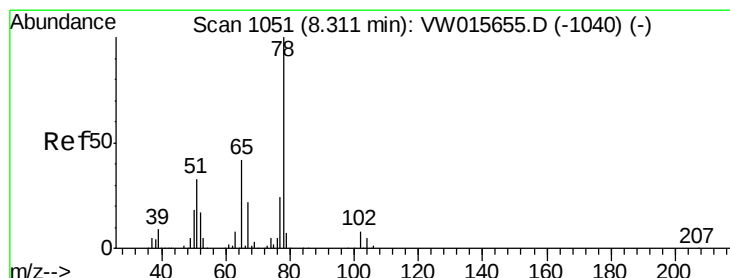
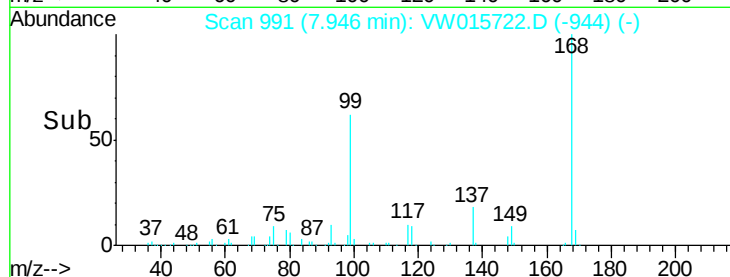
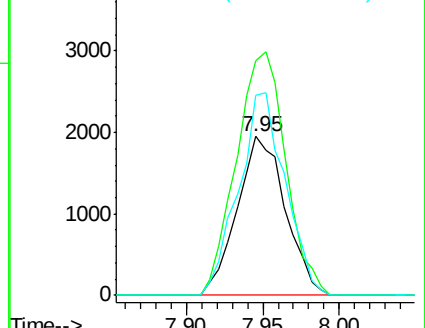
84 126.2 70.4 105.6#



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: 53.400 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VW015722.D

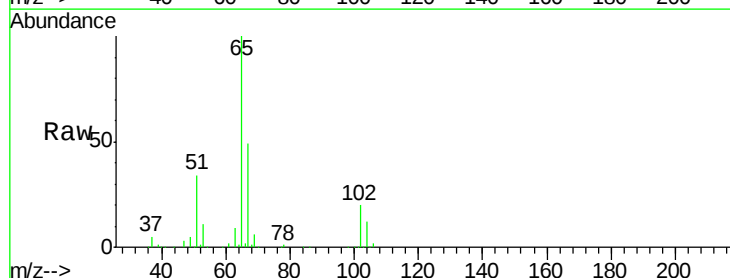
Acq: 25 Jun 2020 12:19

Tgt Ion: 65 Resp: 101112

Ion Ratio Lower Upper

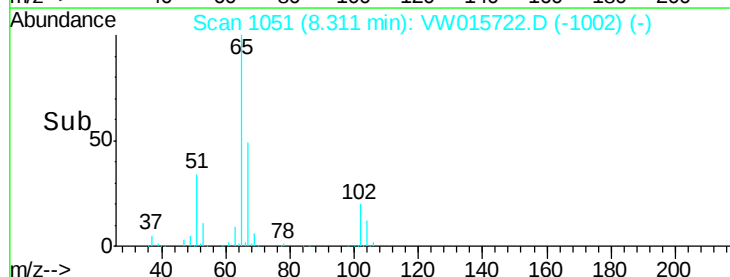
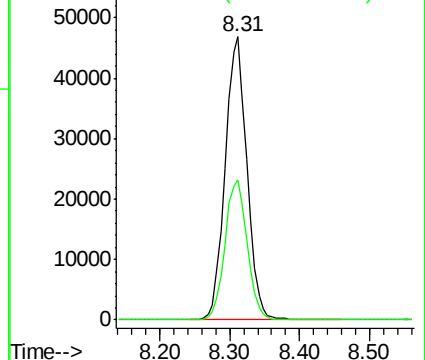
65 100

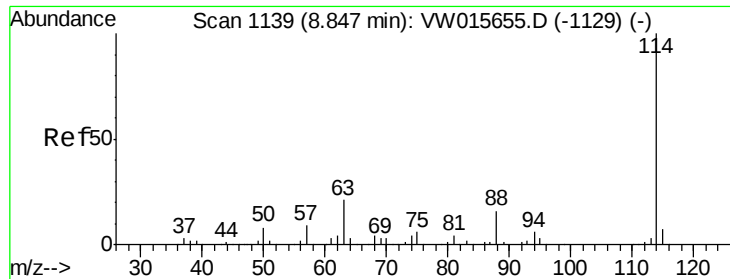
67 50.4 0.0 102.2



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

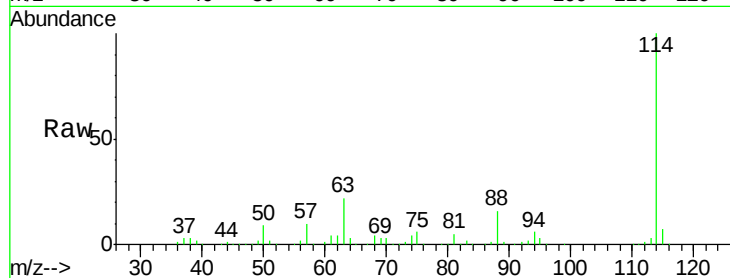




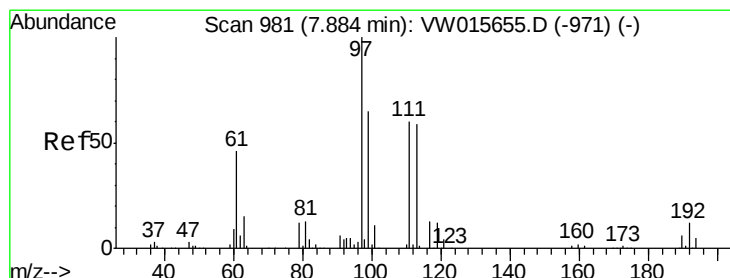
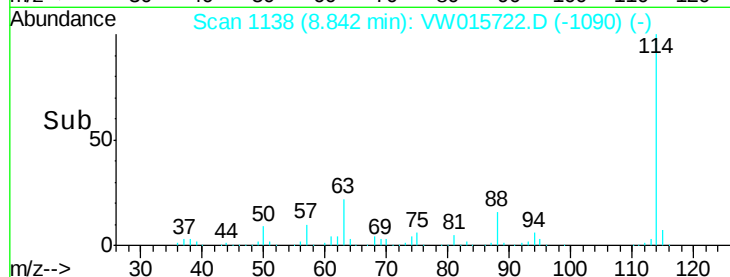
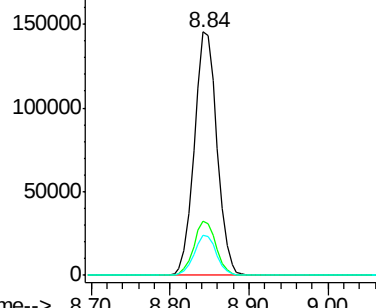
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. -0.01 min
Lab File: VW015722.D
Acq: 25 Jun 2020 12:19

Instrument :
MSVOA_W
ClientSampleId :
OR-02-062420

Tot Ion	Ratio	Lower	Upper
114	100		
63	22.4	0.0	42.4
88	16.3	0.0	32.6

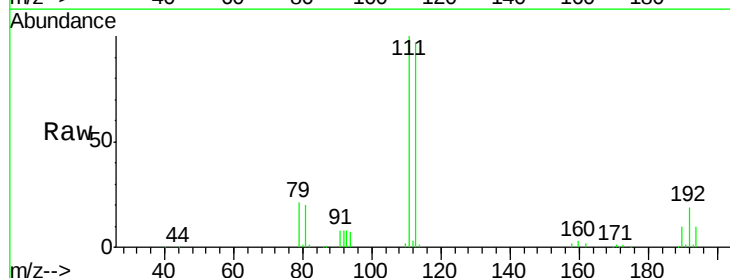


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW

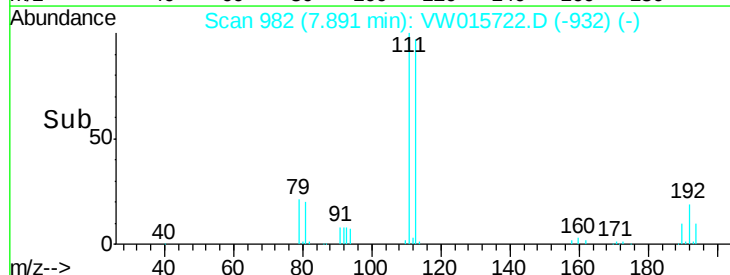
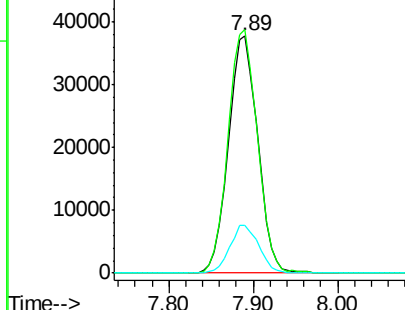


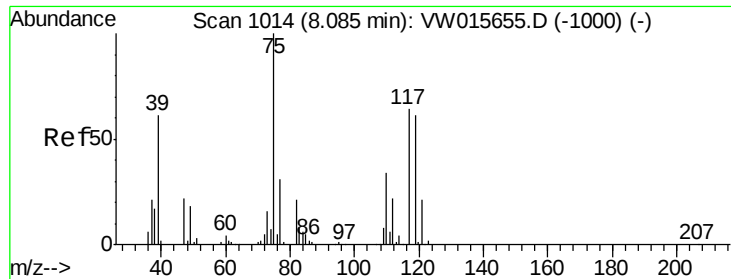
#35
Dibromofluoromethane
Concen: 48.632 ug/l
RT: 7.89 min Scan# 982
Delta R.T. 0.01 min
Lab File: VW015722.D
Acq: 25 Jun 2020 12:19

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.1	82.3	123.5
192	19.9	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

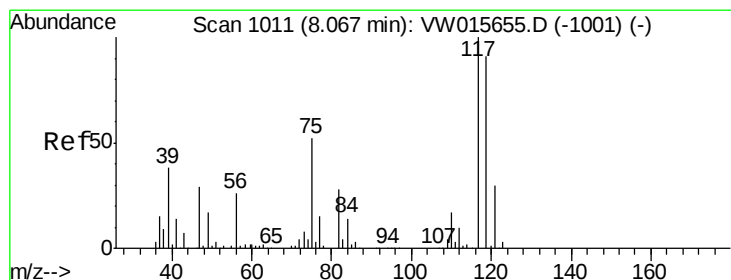
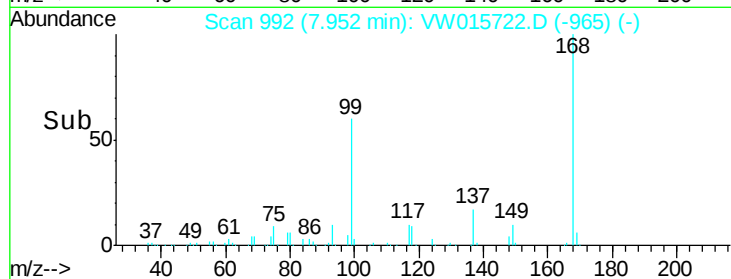
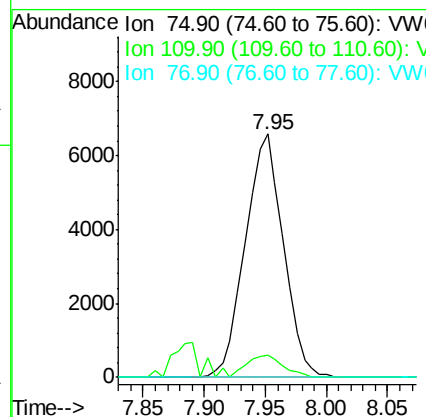
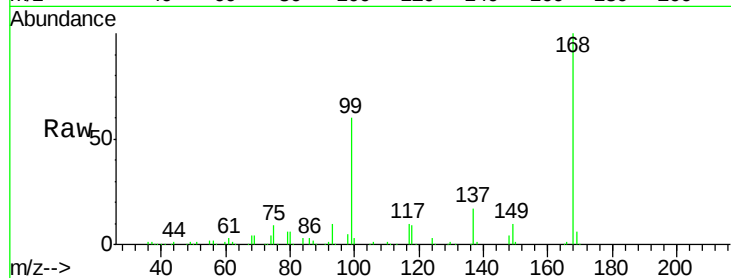




#36
 1,1-Dichloropropene
 Concen: 4.702 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW015722.D
 Acq: 25 Jun 2020 12:19

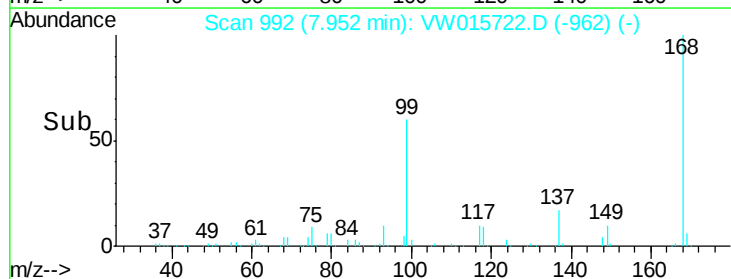
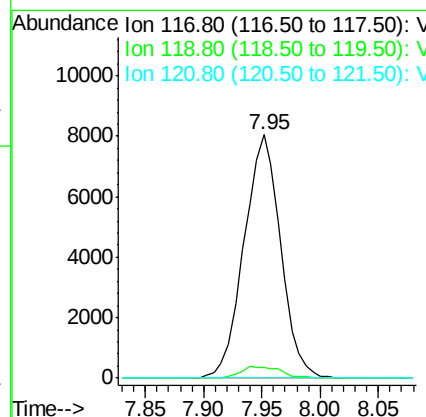
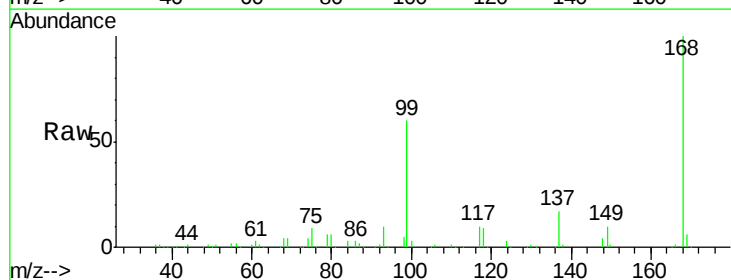
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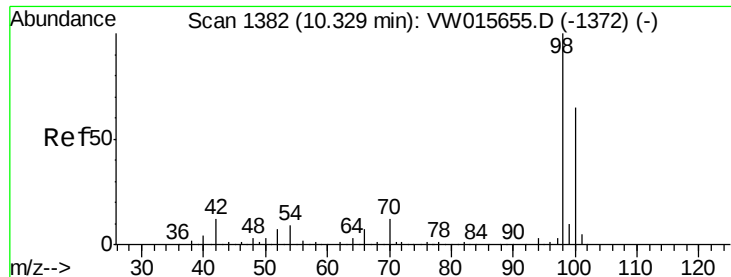
Tot Ion: 75 Resp: 14244
 Ion Ratio Lower Upper
 75 100
 110 8.8 17.0 51.0#
 77 0.0 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 5.994 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW015722.D
 Acq: 25 Jun 2020 12:19

Tgt Ion: 117 Resp: 17602
 Ion Ratio Lower Upper
 117 100
 119 4.1 73.2 109.8#
 121 0.0 23.9 35.9#





#50

Toluene-d8

Concen: 49.295 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW015722.D

Acq: 25 Jun 2020 12:19

Instrument :

MSVOA_W

ClientSampleId :

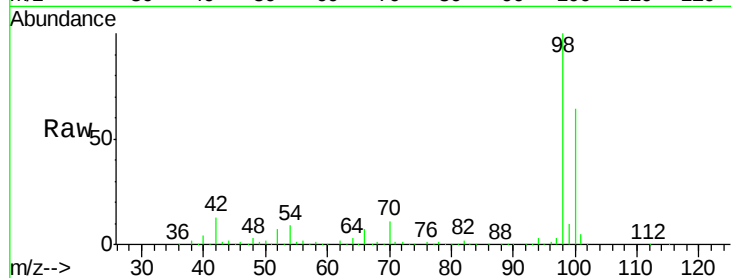
OR-02-062420

Tot Ion: 98 Resp: 355449

Ion Ratio Lower Upper

98 100

100 64.3 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

10.33

200000

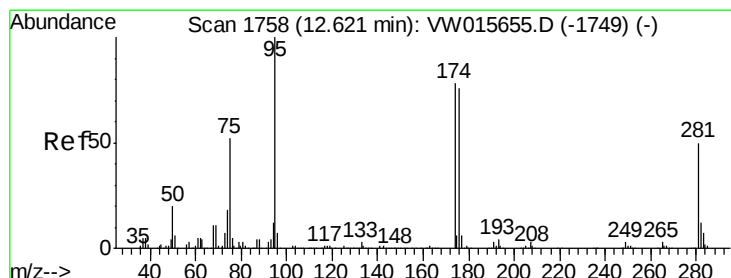
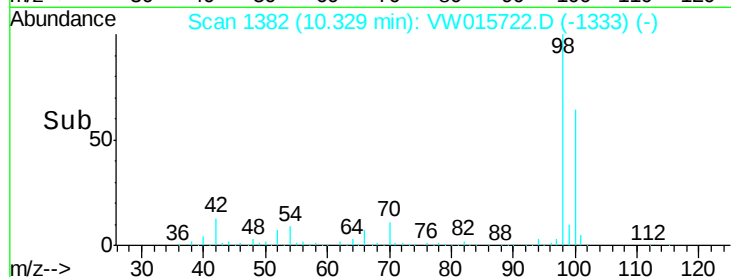
150000

100000

50000

0

Time--> 10.20 10.30 10.40



#62

4-Bromofluorobenzene

Concen: 46.674 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW015722.D

Acq: 25 Jun 2020 12:19

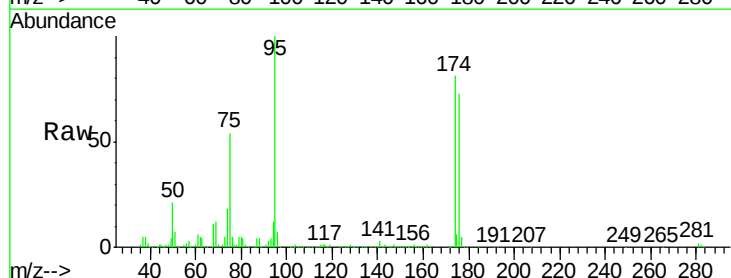
Tgt Ion: 95 Resp: 123944

Ion Ratio Lower Upper

95 100

174 77.3 0.0 157.0

176 73.8 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

12.62

100000

80000

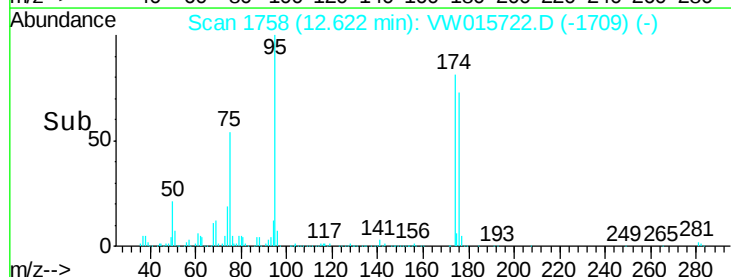
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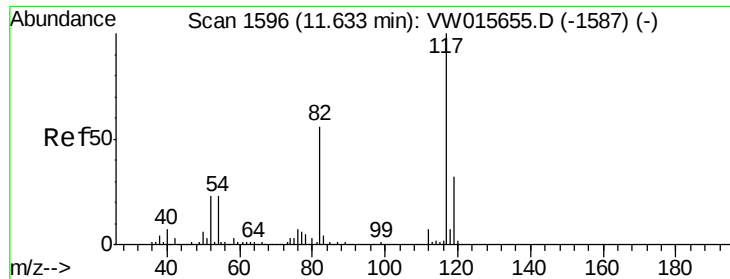
40000

20000

0

Time--> 12.50 12.60 12.70

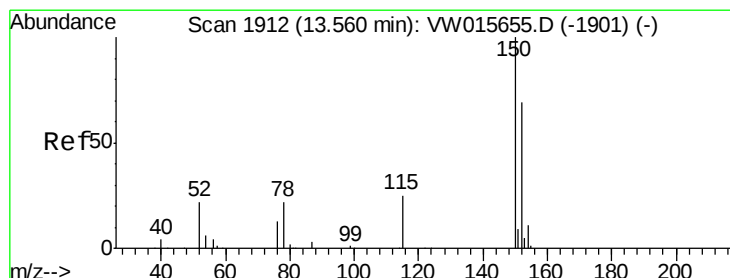
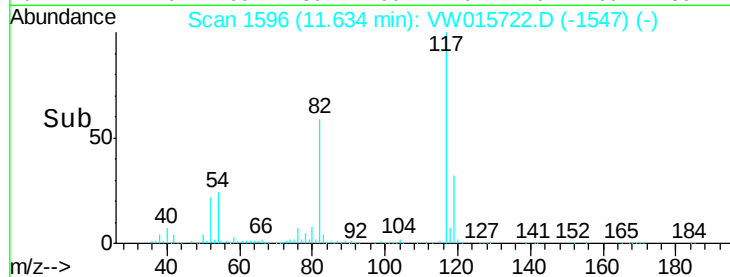
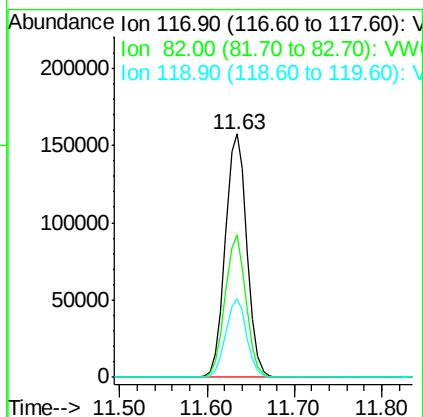
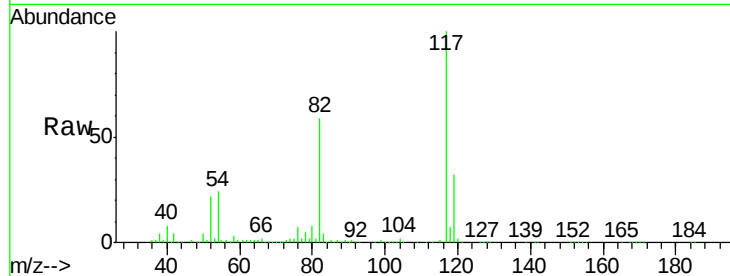




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW015722.D
Acq: 25 Jun 2020 12:19

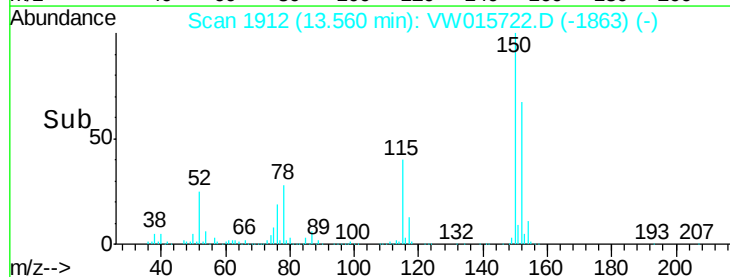
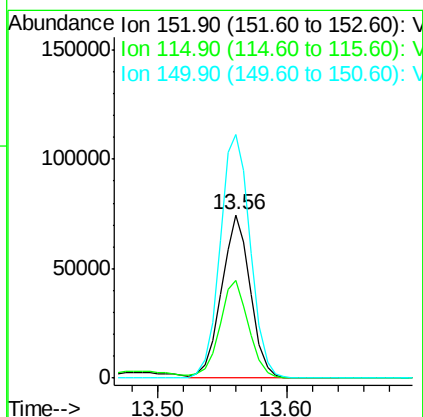
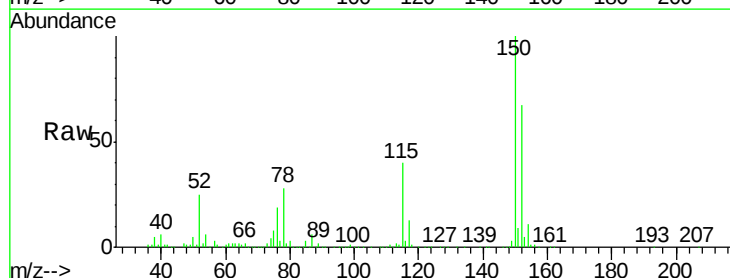
Instrument :
MSVOA_W
ClientSampleId :
OR-02-062420

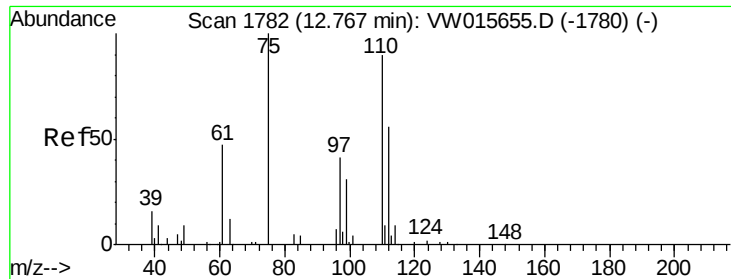
Tot Ion	Ratio	Lower	Upper
117	100		
82	58.7	45.1	67.7
119	32.3	25.8	38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW015722.D
Acq: 25 Jun 2020 12:19

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.9	30.1	90.5
150	156.8	0.0	345.6

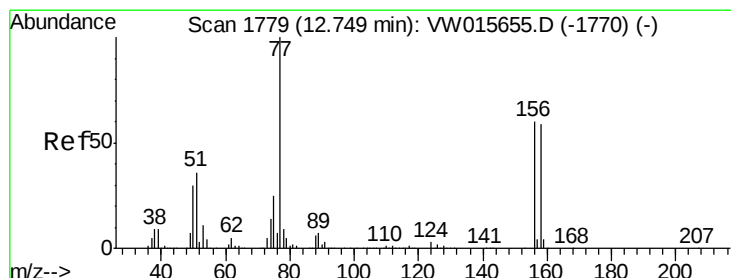
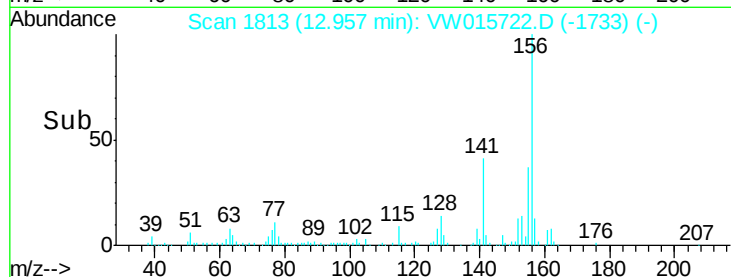
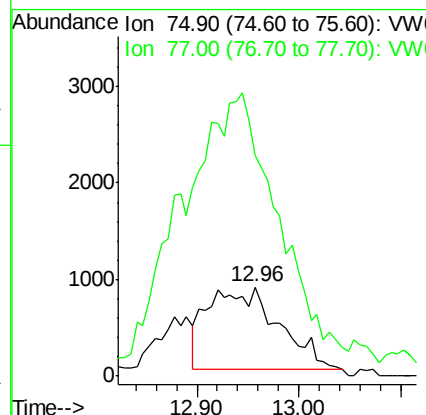
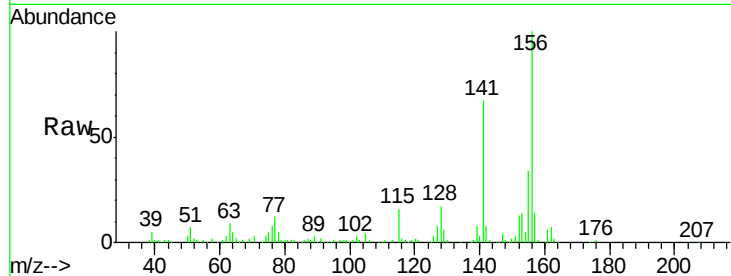




#76
 1,2,3-Trichloropropane
 Concen: 3.853 ug/l
 RT: 12.96 min Scan# 1813
 Delta R.T. 0.19 min
 Lab File: VW015722.D
 Acq: 25 Jun 2020 12:19

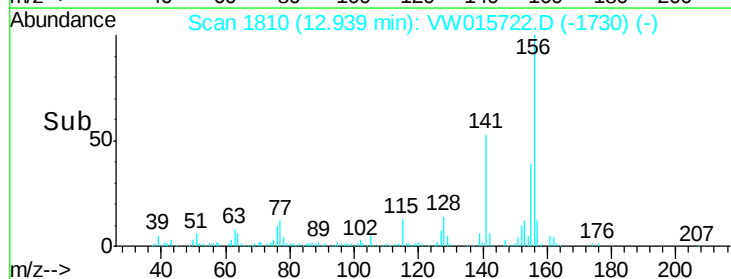
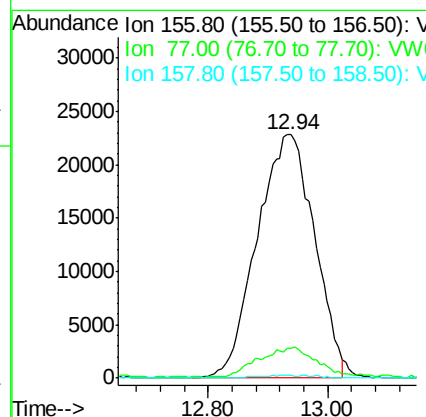
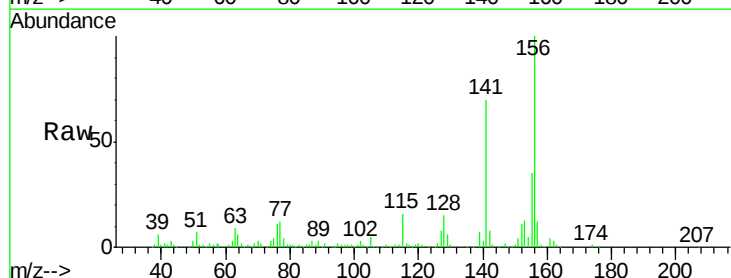
Instrument :
 MSVOA_W
 ClientSampleId :
 OR-02-062420

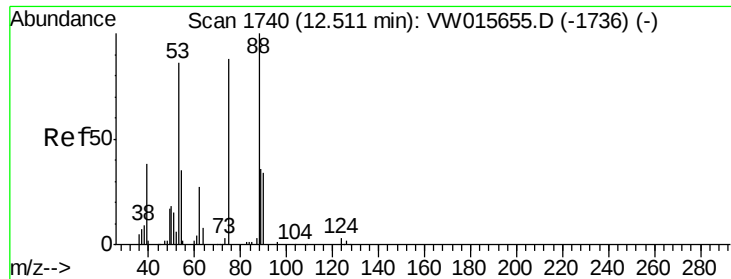
Tot Ion: 75 Resp: 4092
 Ion Ratio Lower Upper
 75 100
 77 446.8 179.1 537.1



#77
 Bromobenzene
 Concen: 76.572 ug/l
 RT: 12.94 min Scan# 1810
 Delta R.T. 0.19 min
 Lab File: VW015722.D
 Acq: 25 Jun 2020 12:19

Tgt Ion: 156 Resp: 151638
 Ion Ratio Lower Upper
 156 100
 77 11.9 94.5 283.5#
 158 0.8 47.9 143.6#





#81

trans-1,4-Dichloro-2-butene

Concen: 156.492 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW015722.D

Acq: 25 Jun 2020 12:19

Instrument :

MSVOA_W

ClientSampleId :

OR-02-062420

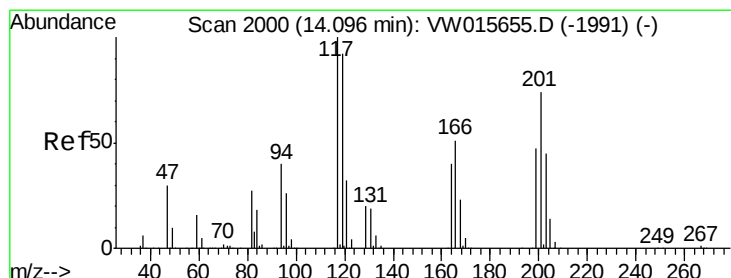
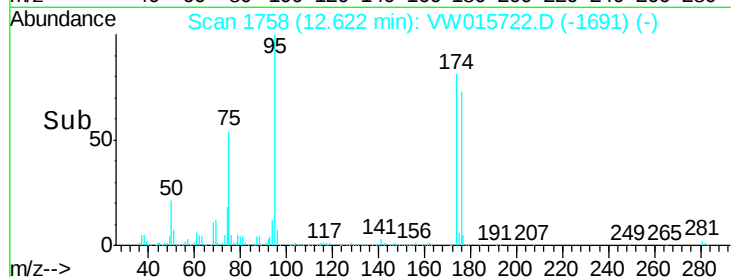
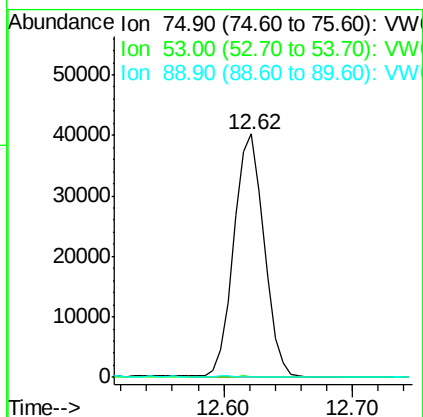
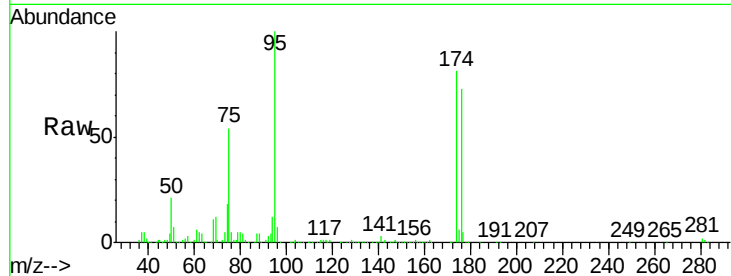
Tot Ion: 75 Resp: 65946

Ion Ratio Lower Upper

75 100

53 0.0 83.8 125.8#

89 0.8 36.6 55.0#



#90

Hexachloroethane

Concen: 1.109 ug/l

RT: 14.05 min Scan# 1992

Delta R.T. -0.05 min

Lab File: VW015722.D

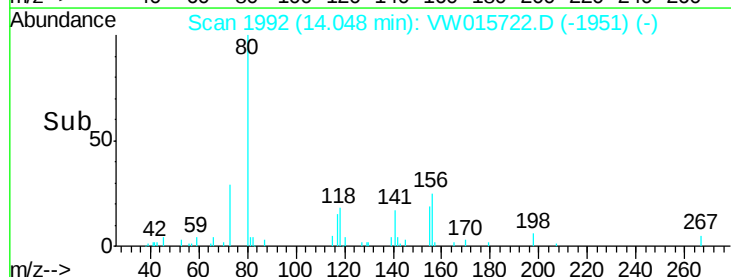
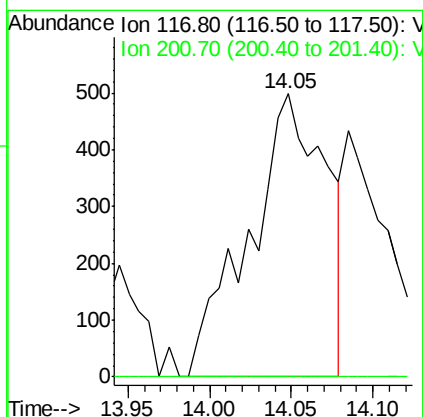
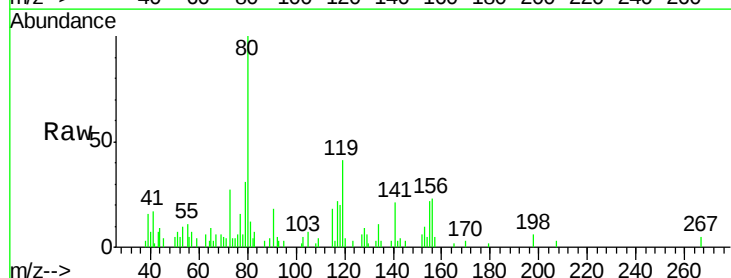
Acq: 25 Jun 2020 12:19

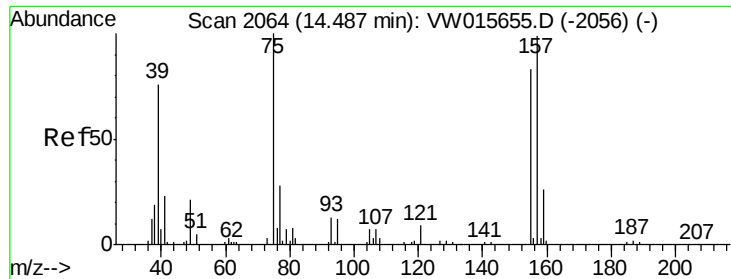
Tgt Ion: 117 Resp: 1630

Ion Ratio Lower Upper

117 100

201 0.0 37.1 111.5#





#92

1,2-Dibromo-3-Chloropropane

Concen: 32.355 ug/l

RT: 14.54 min Scan# 2072

Delta R.T. 0.05 min

Lab File: VW015722.D

Acq: 25 Jun 2020 12:19

Instrument :

MSVOA_W

ClientSampleId :

OR-02-062420

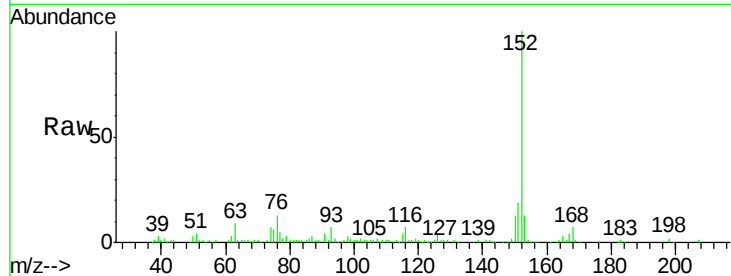
Tot Ion: 75 Resp: 7361

Ion Ratio Lower Upper

75 100

155 3.2 40.8 122.2#

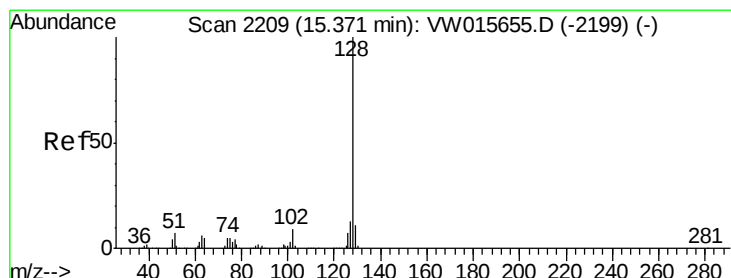
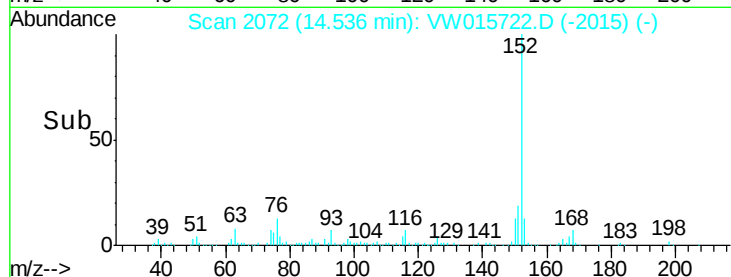
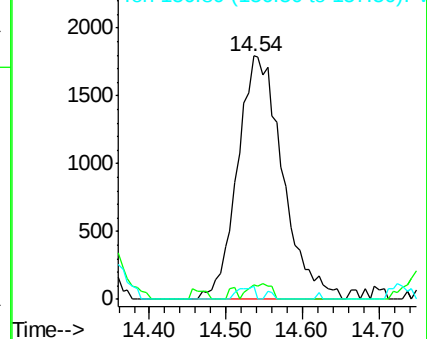
157 1.9 50.7 152.1#



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



#95

Naphthalene

Concen: 10.690 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW015722.D

Acq: 25 Jun 2020 12:19

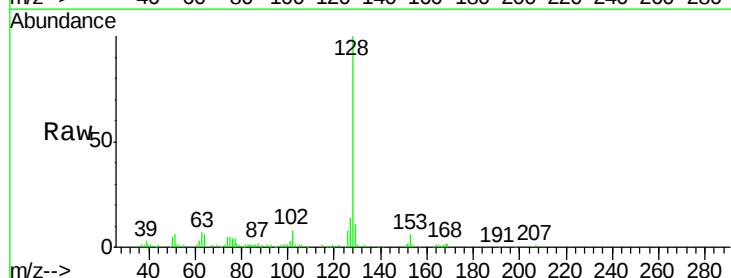
Tgt Ion: 128 Resp: 39688

Ion Ratio Lower Upper

128 100

127 14.3 10.5 15.7

129 11.4 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

