

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW062420\
 Data File : VW015692.D
 Acq On : 24 Jun 2020 19:17
 Operator : SY/VA
 Sample : L2818-07
 Misc : 5.64G/5ML/MSVOA_W/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TR-05-062320

Quant Time: Jun 25 02:05:51 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	142532	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	259722	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	229556	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	93811	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	95646	60.31	ug/l	0.00
Spiked Amount			Recovery	=	120.62%	
35) Dibromofluoromethane	7.89	113	84564	51.76	ug/l	0.00
Spiked Amount			Recovery	=	103.52%	
50) Toluene-d8	10.33	98	322031	50.09	ug/l	0.00
Spiked Amount			Recovery	=	100.18%	
62) 4-Bromofluorobenzene	12.62	95	100604	42.49	ug/l	0.00
Spiked Amount			Recovery	=	84.98%	

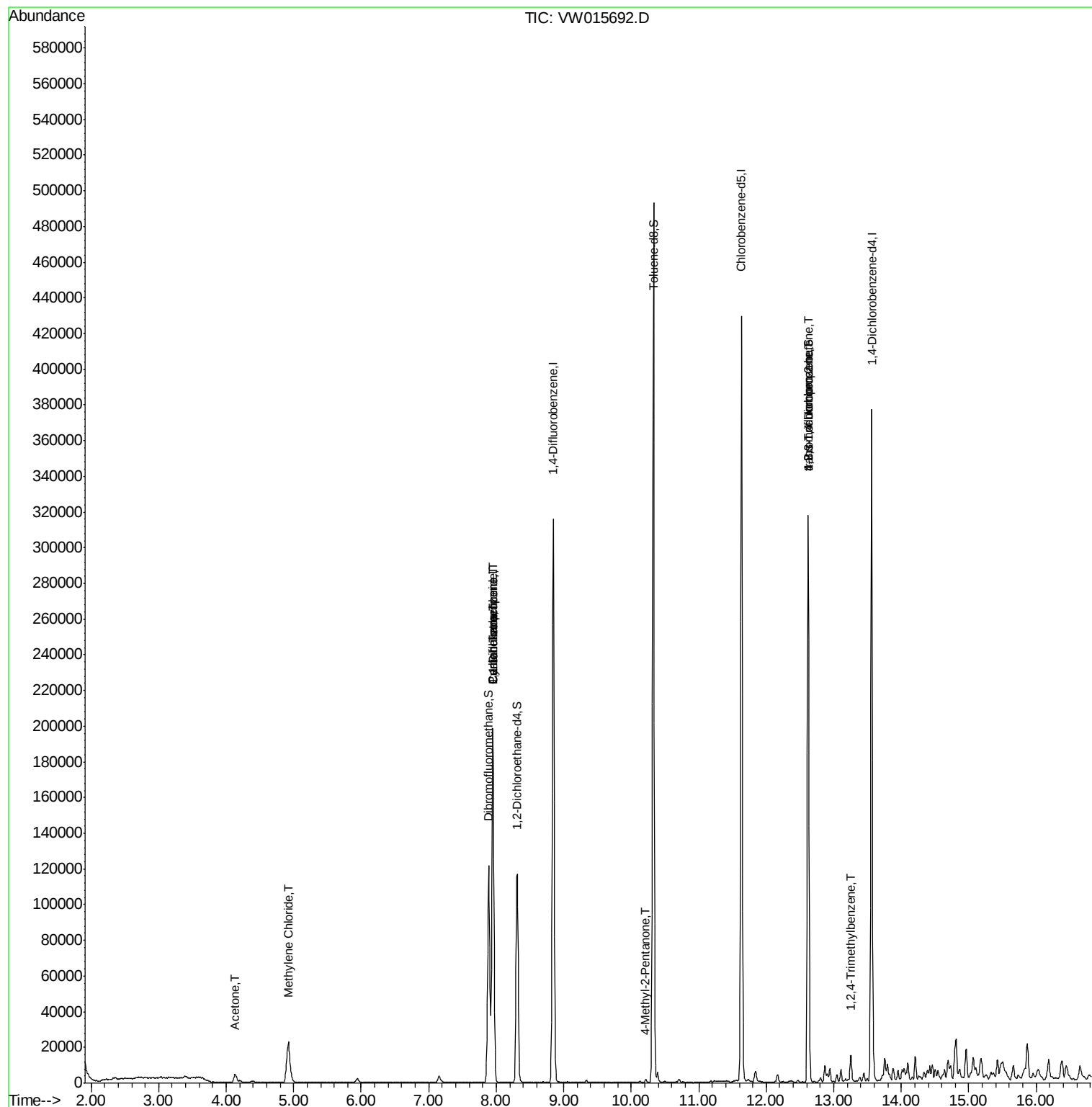
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.17	59	19	Below Cal	#	72
16) Acetone	4.14	43	8786	29.143	ug/l	94
18) Methyl Acetate	4.67	43	112	Below Cal	#	52
20) Methylene Chloride	4.92	84	19127	9.315	ug/l	97
31) Cyclohexane	7.95	56	3666	1.342	ug/l #	29
36) 1,1-Dichloropropene	7.95	75	11751	4.350	ug/l #	51
38) Carbon Tetrachloride	7.95	117	14509	5.541	ug/l #	19
51) 4-Methyl-2-Pentanone	10.21	43	1129	1.137	ug/l #	81
76) 1,2,3-Trichloropropane	12.62	75	54994	64.268	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	54994	161.957	ug/l #	8
84) 1,2,4-Trimethylbenzene	13.26	105	8372	1.384	ug/l	95

(#) = 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: VW015692.D

Acq: 24 Jun 2020 19:17

Instrument :

MSVOA_W

ClientSampleId :

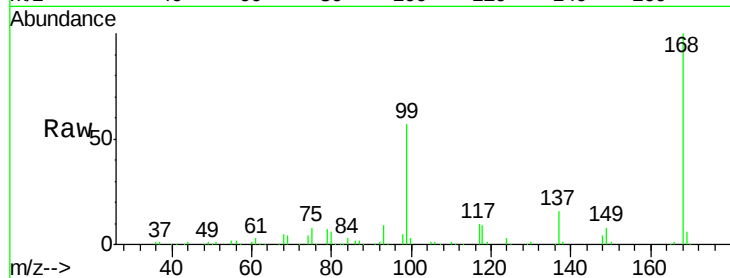
TR-05-062320

Tgt Ion: 168 Resp: 142532

Ion Ratio Lower Upper

168 100

99 56.6 48.6 73.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

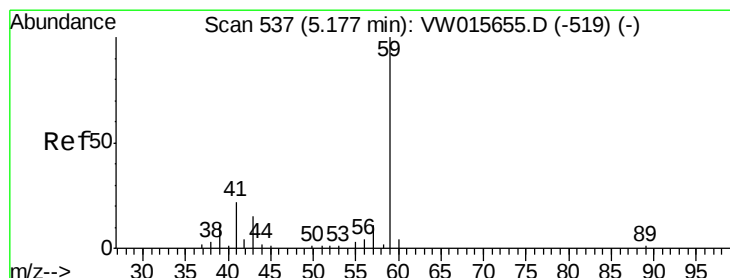
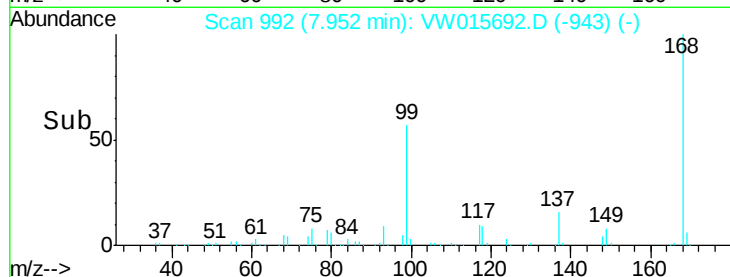
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.17 min Scan# 535

Delta R.T. -0.01 min

Lab File: VW015692.D

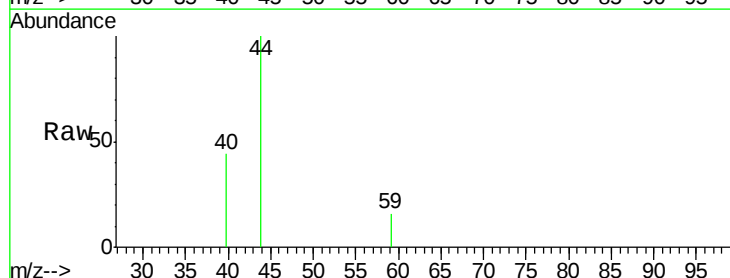
Acq: 24 Jun 2020 19:17

Tgt Ion: 59 Resp: 19

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

5.17

100

80

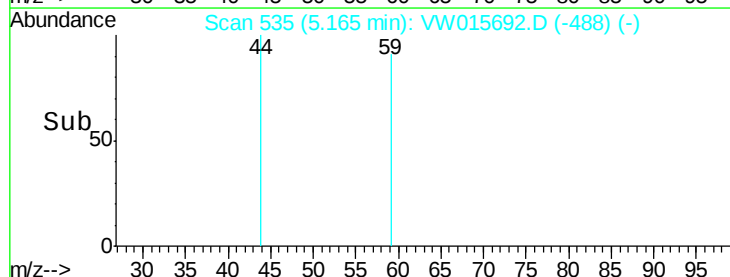
60

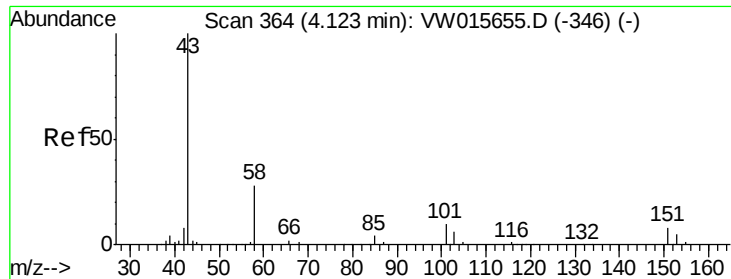
40

20

0

Time-->





#16

Acetone

Concen: 29.143 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW015692.D

Acq: 24 Jun 2020 19:17

Instrument :

MSVOA_W

ClientSampleId :

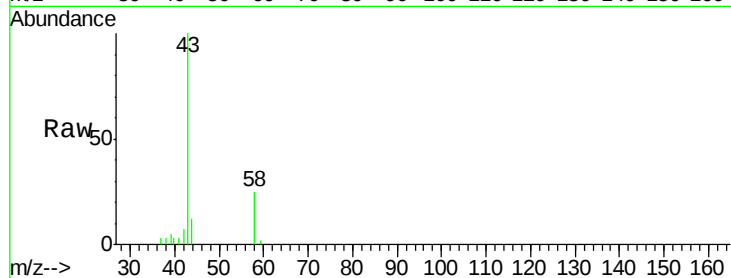
TR-05-062320

Tgt Ion: 43 Resp: 8786

Ion Ratio Lower Upper

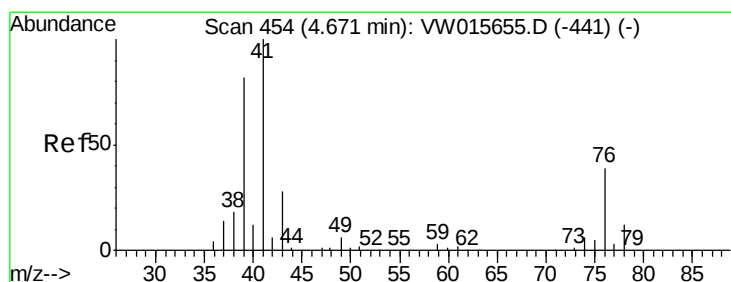
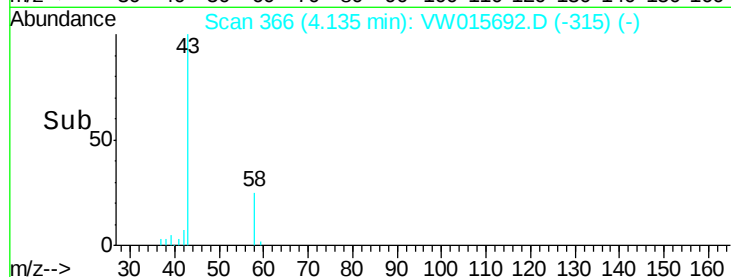
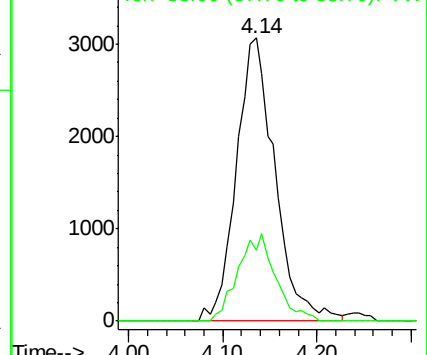
43 100

58 25.1 22.6 33.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#18

Methyl Acetate

Concen: Below Cal

RT: 4.67 min Scan# 454

Delta R.T. 0.00 min

Lab File: VW015692.D

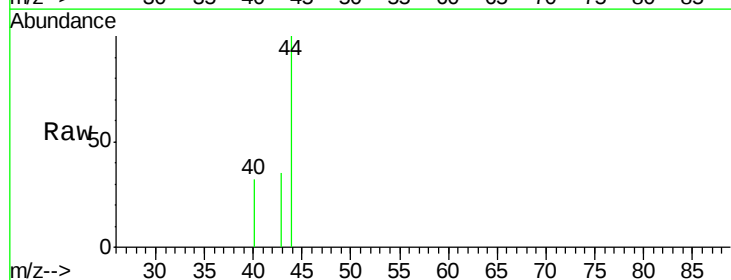
Acq: 24 Jun 2020 19:17

Tgt Ion: 43 Resp: 112

Ion Ratio Lower Upper

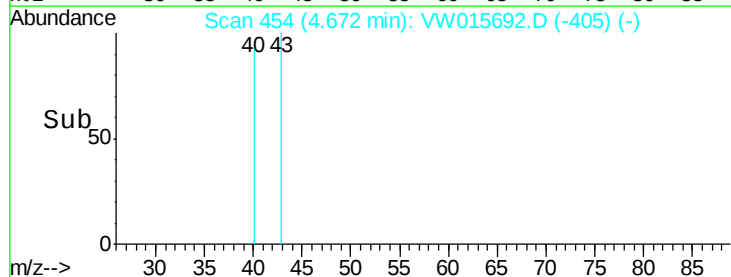
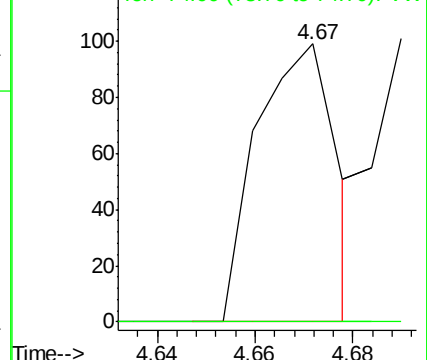
43 100

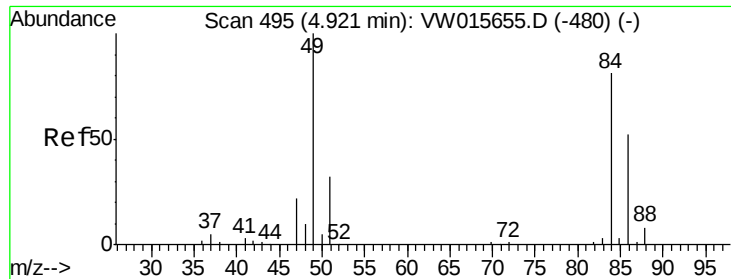
74 0.0 19.0 28.6#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

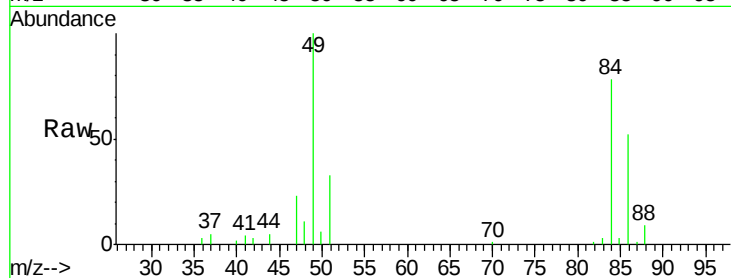




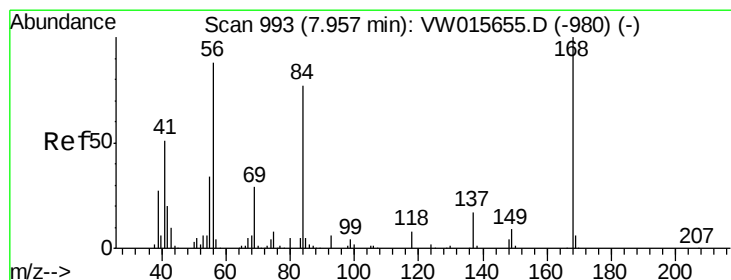
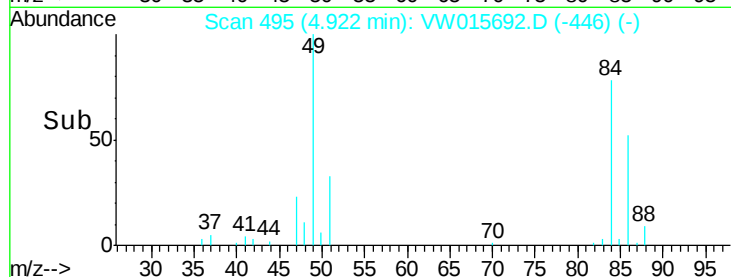
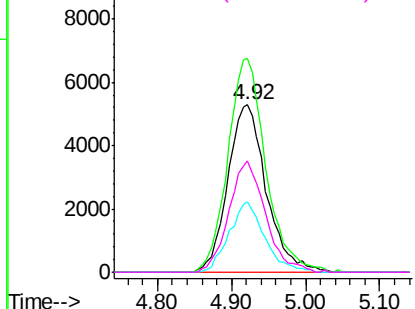
#20
Methylene Chloride
Concen: 9.315 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW015692.D
Acq: 24 Jun 2020 19:17

Instrument :
MSVOA_W
ClientSampleId :
TR-05-062320

Tgt Ion:	84	Resp:	19127
Ion	Ratio	Lower	Upper
84	100		
49	127.5	99.3	148.9
51	42.4	31.8	47.6
86	66.7	51.7	77.5

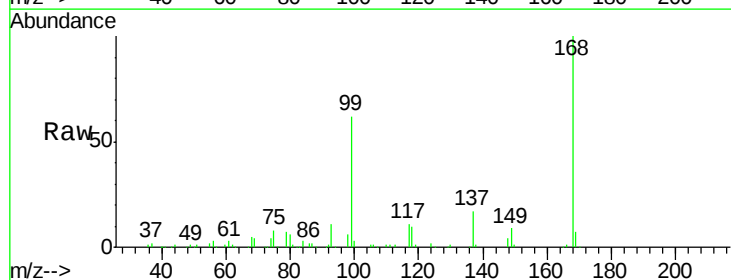


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

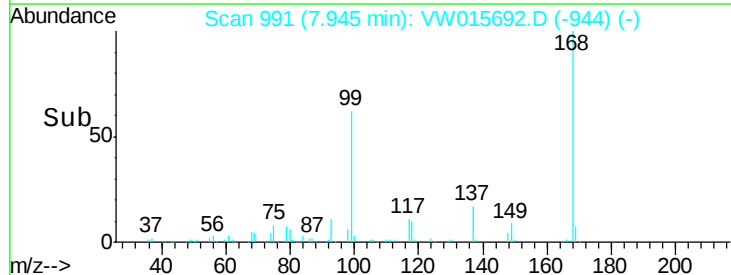
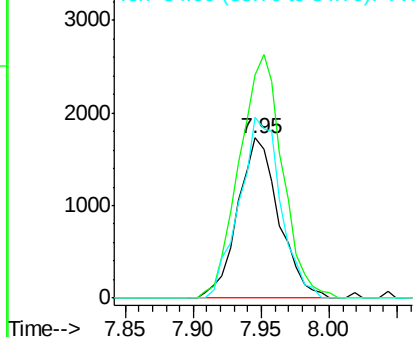


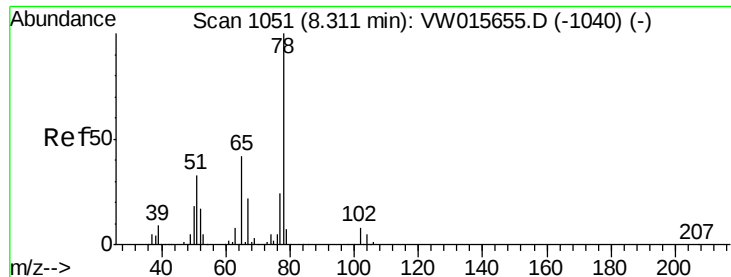
#31
Cyclohexane
Concen: 1.342 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW015692.D
Acq: 24 Jun 2020 19:17

Tgt Ion:	56	Resp:	3666
Ion	Ratio	Lower	Upper
56	100		
69	139.4	26.2	39.4#
84	112.9	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: 60.312 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VW015692.D

Acq: 24 Jun 2020 19:17

Instrument :

MSVOA_W

ClientSampleId :

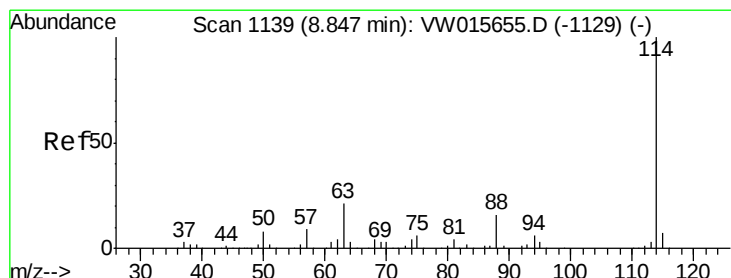
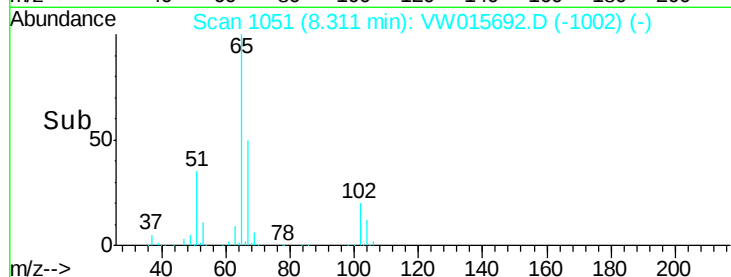
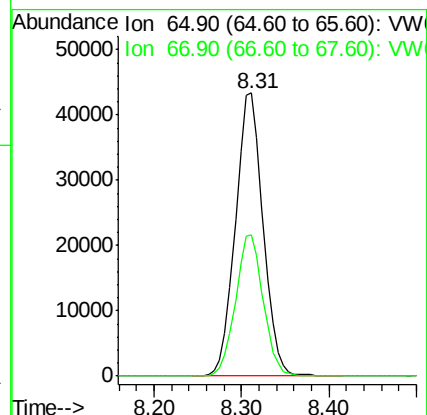
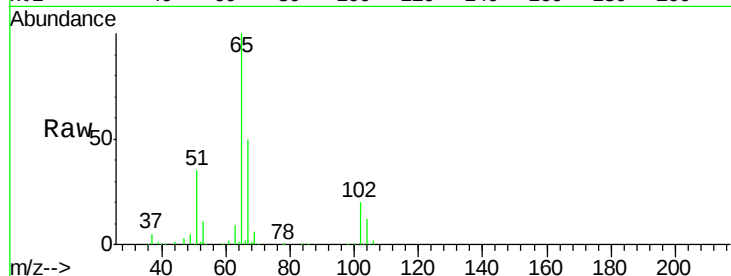
TR-05-062320

Tgt Ion: 65 Resp: 95646

Ion Ratio Lower Upper

65 100

67 49.9 0.0 102.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. 0.00 min

Lab File: VW015692.D

Acq: 24 Jun 2020 19:17

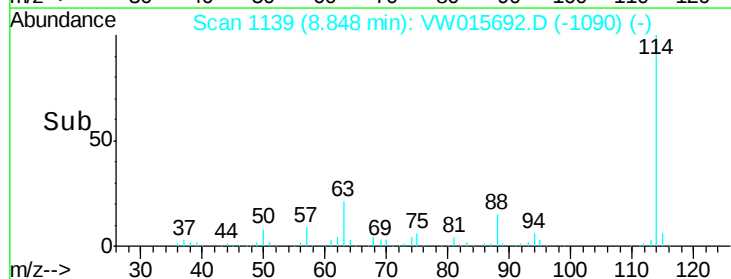
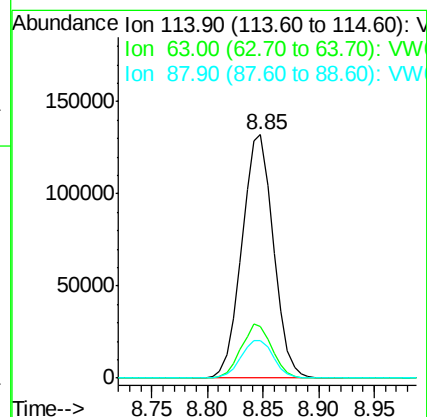
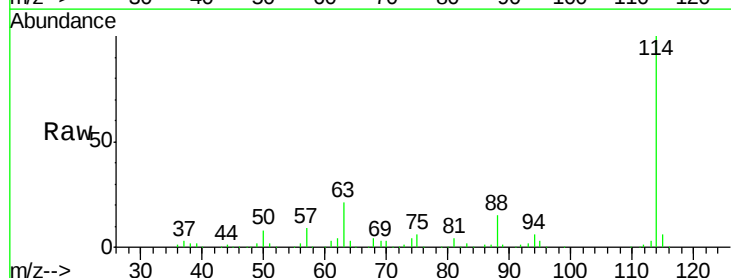
Tgt Ion: 114 Resp: 259722

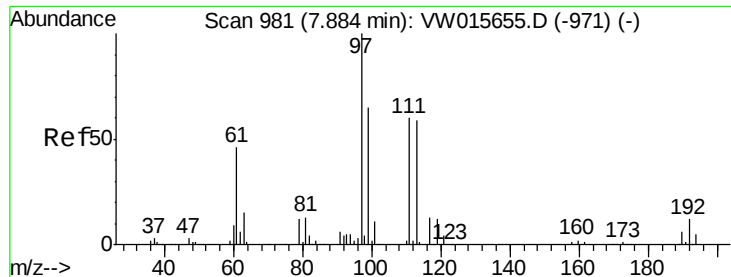
Ion Ratio Lower Upper

114 100

63 21.3 0.0 42.4

88 15.3 0.0 32.6

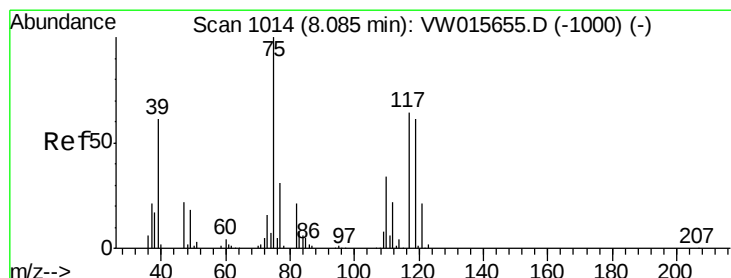
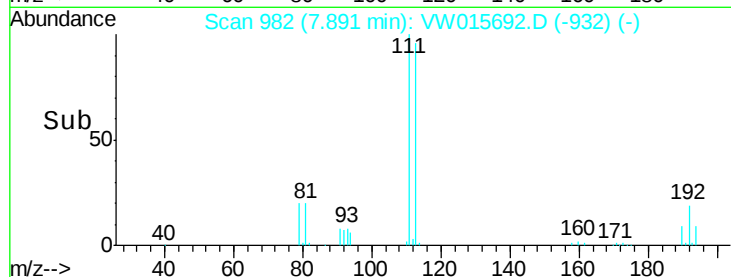
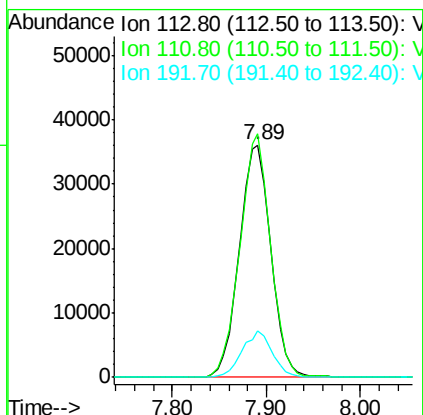
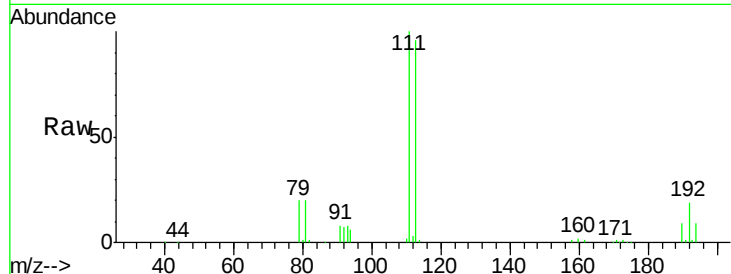




#35
 Dibromofluoromethane
 Concen: 51.761 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.01 min
 Lab File: VW015692.D
 Acq: 24 Jun 2020 19:17

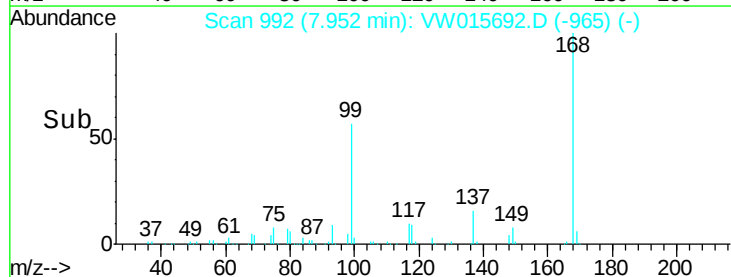
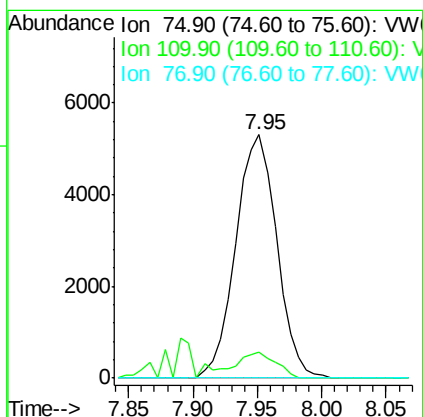
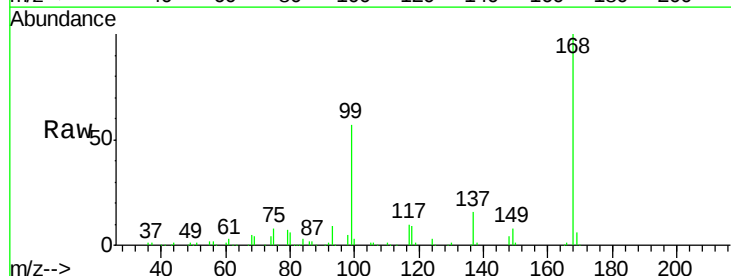
Instrument :
 MSVOA_W
 ClientSampleId :
 TR-05-062320

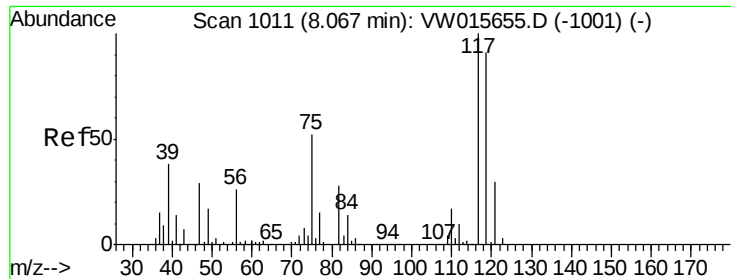
Tgt Ion:113 Resp: 84564
 Ion Ratio Lower Upper
 113 100
 111 101.9 82.3 123.5
 192 19.1 16.4 24.6



#36
 1,1-Dichloropropene
 Concen: 4.350 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW015692.D
 Acq: 24 Jun 2020 19:17

Tgt Ion: 75 Resp: 11751
 Ion Ratio Lower Upper
 75 100
 110 9.1 17.0 51.0#
 77 0.0 24.6 36.8#





#38

Carbon Tetrachloride

Concen: 5.541 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW015692.D

Acq: 24 Jun 2020 19:17

Instrument :

MSVOA_W

ClientSampleId :

TR-05-062320

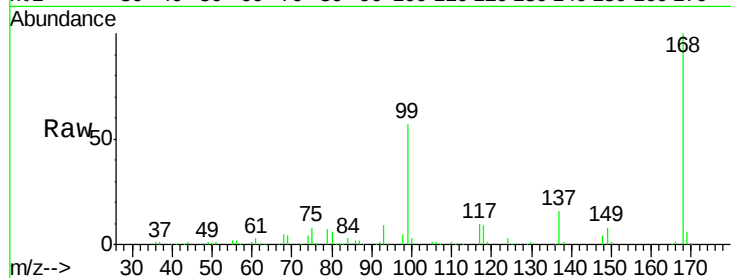
Tgt Ion:117 Resp: 14509

Ion Ratio Lower Upper

117 100

119 6.0 73.2 109.8#

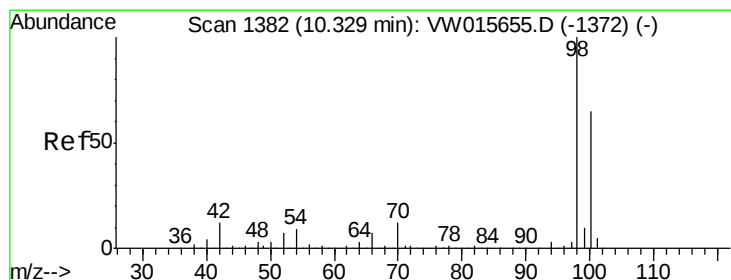
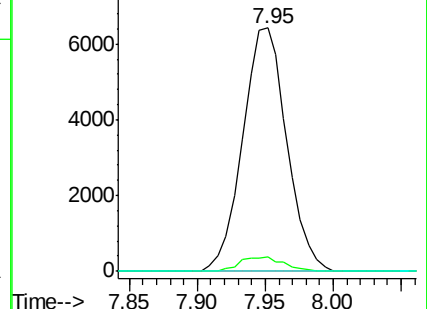
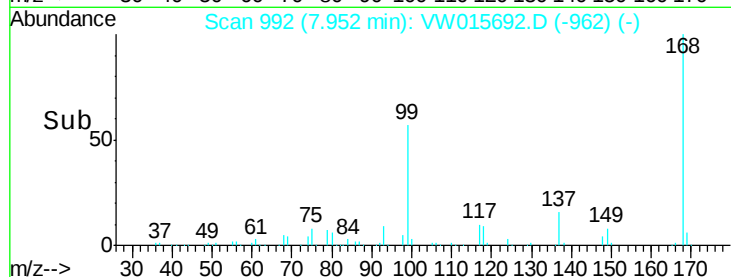
121 0.0 23.9 35.9#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 50.088 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW015692.D

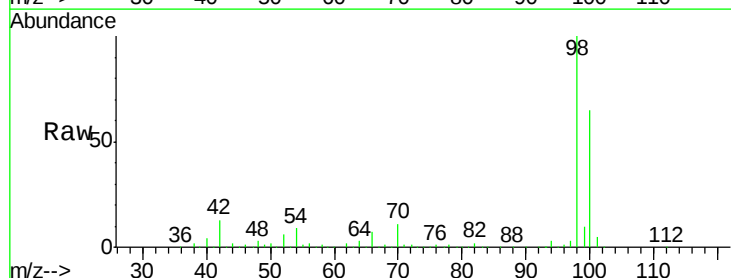
Acq: 24 Jun 2020 19:17

Tgt Ion: 98 Resp: 322031

Ion Ratio Lower Upper

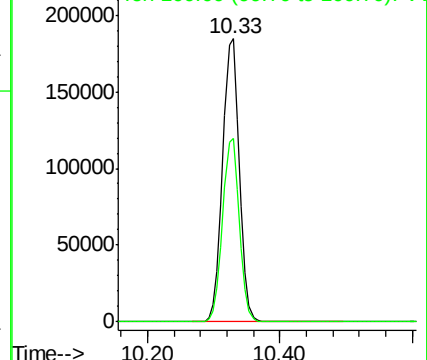
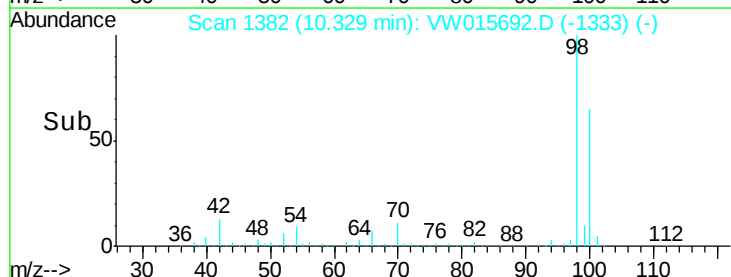
98 100

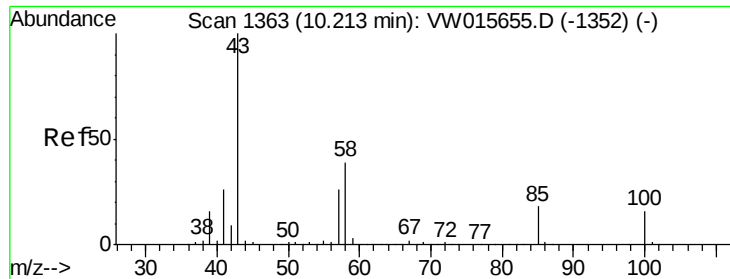
100 64.9 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

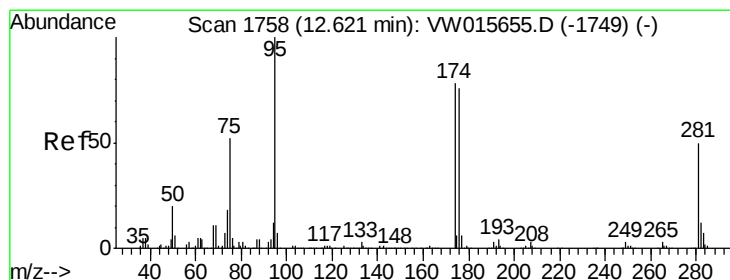
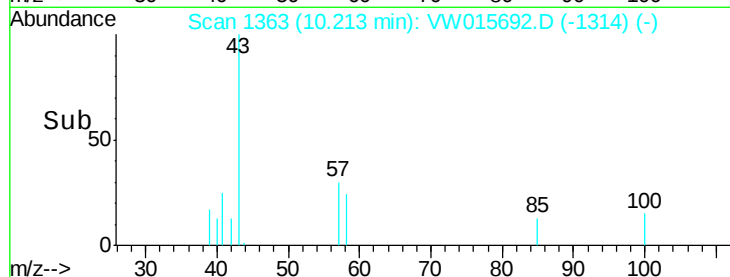
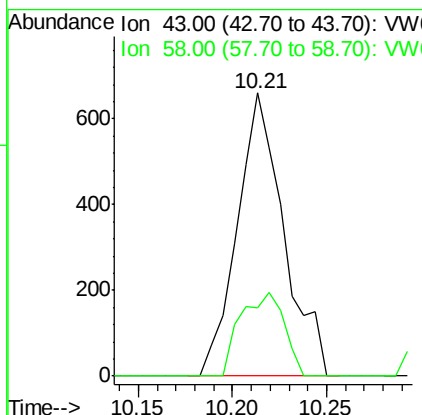
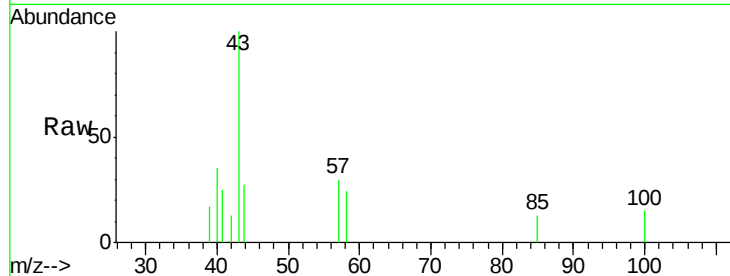




#51
 4-Methyl-2-Pentanone
 Concen: 1.137 ug/l
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VW015692.D
 Acq: 24 Jun 2020 19:17

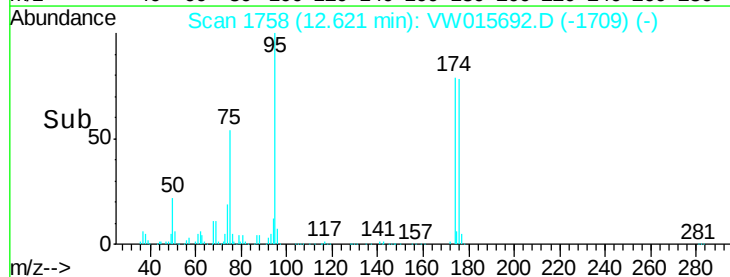
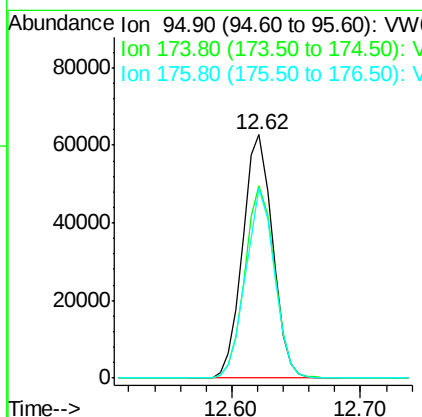
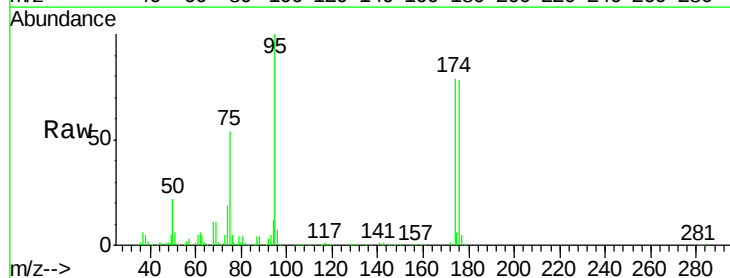
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 MSVOA_W
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 TR-05-062320

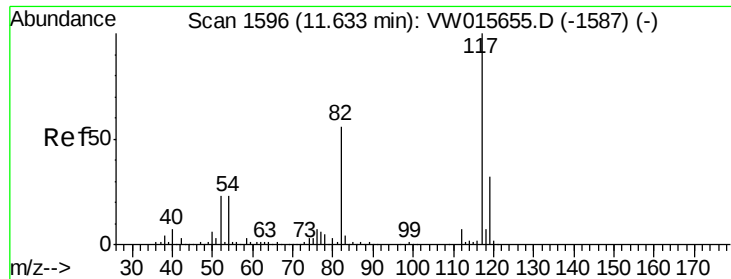
Tgt Ion: 43 Resp: 1129
 Ion Ratio Lower Upper
 43 100
 58 27.6 31.2 46.8#



#62
 4-Bromofluorobenzene
 Concen: 42.489 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW015692.D
 Acq: 24 Jun 2020 19:17

Tgt Ion: 95 Resp: 100604
 Ion Ratio Lower Upper
 95 100
 174 78.5 0.0 157.0
 176 75.0 0.0 151.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VW015692.D

Acq: 24 Jun 2020 19:17

Instrument :

MSVOA_W

ClientSampleId :

TR-05-062320

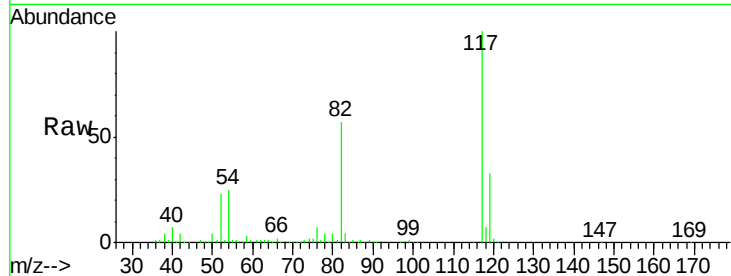
Tgt Ion:117 Resp: 229556

Ion Ratio Lower Upper

117 100

82 57.1 45.1 67.7

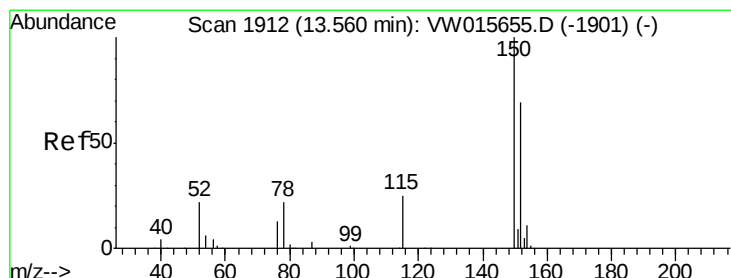
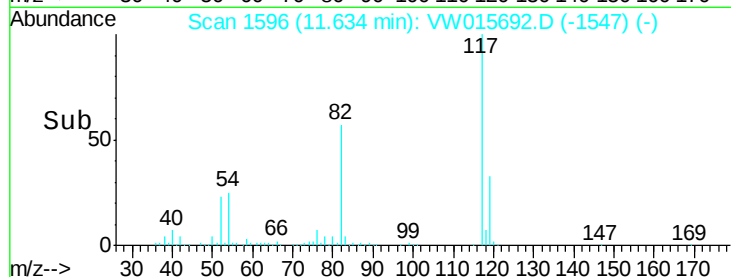
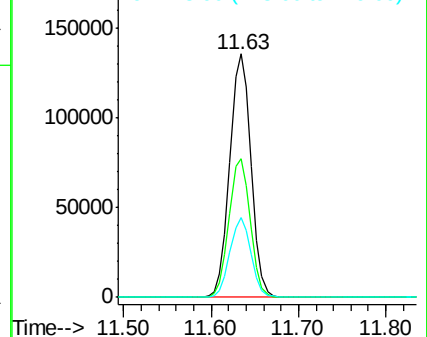
119 33.0 25.8 38.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW015692.D

Acq: 24 Jun 2020 19:17

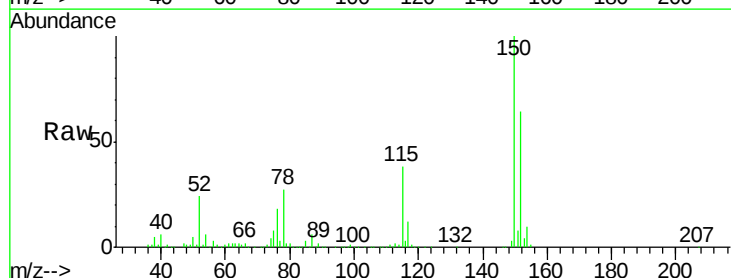
Tgt Ion:152 Resp: 93811

Ion Ratio Lower Upper

152 100

115 60.9 30.1 90.5

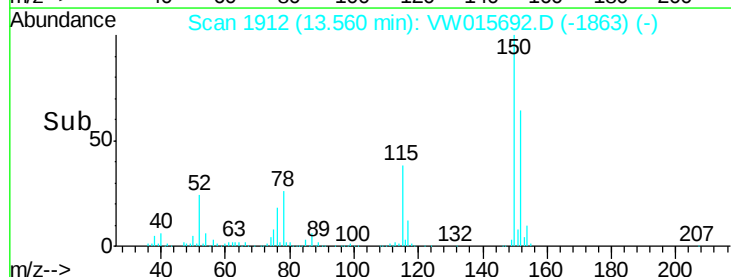
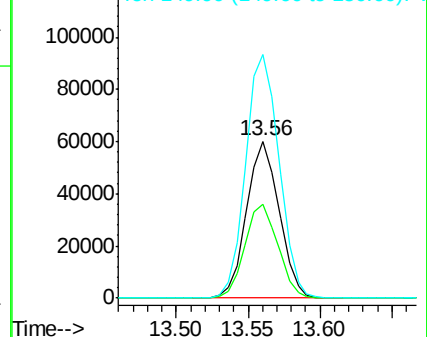
150 159.9 0.0 345.6

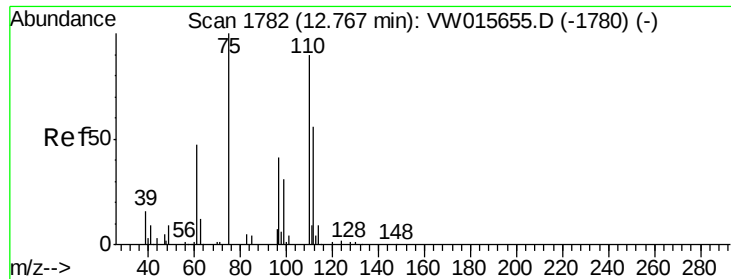


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 64.268 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW015692.D

Acq: 24 Jun 2020 19:17

Instrument :

MSVOA_W

ClientSampleId :

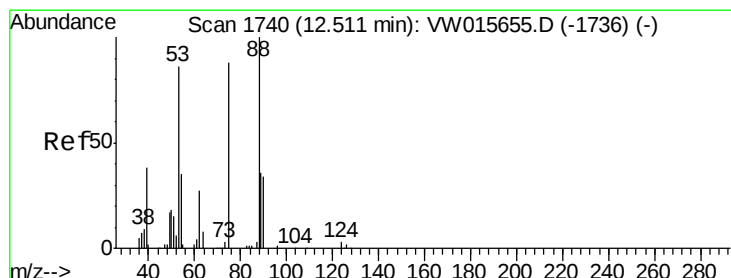
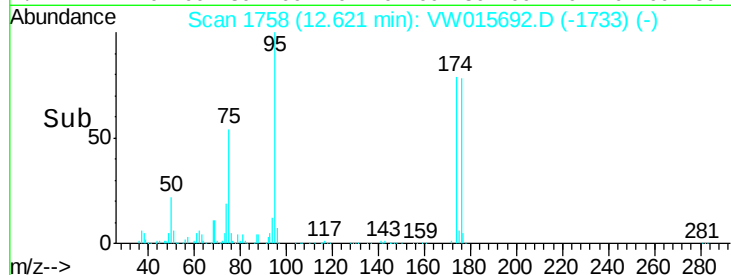
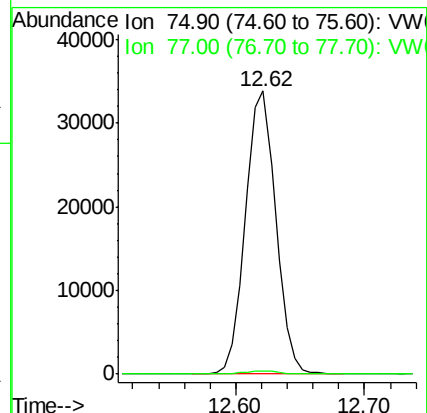
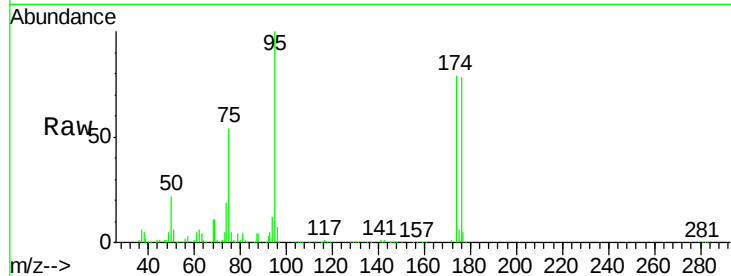
TR-05-062320

Tgt Ion: 75 Resp: 54994

Ion Ratio Lower Upper

75 100

77 1.2 179.1 537.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 161.957 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW015692.D

Acq: 24 Jun 2020 19:17

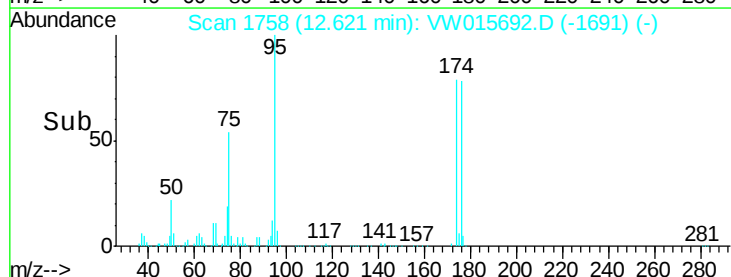
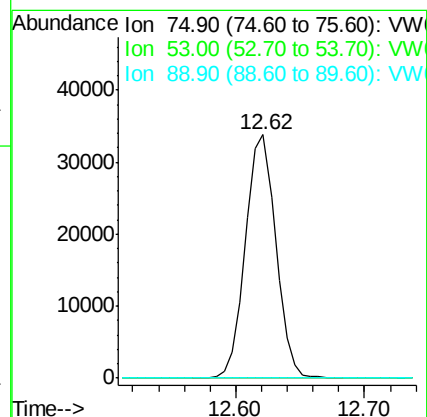
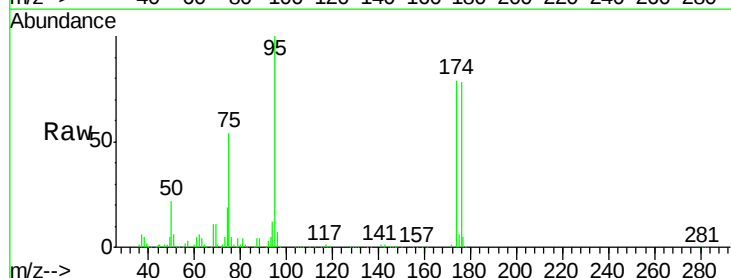
Tgt Ion: 75 Resp: 54994

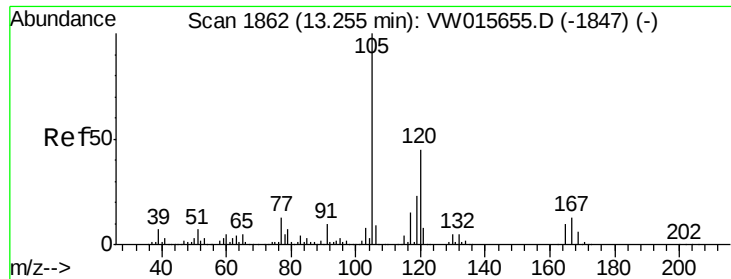
Ion Ratio Lower Upper

75 100

53 0.1 83.8 125.8#

89 0.0 36.6 55.0#





#84
 1,2,4-Trimethylbenzene
 Concen: 1.384 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW015692.D
 Acq: 24 Jun 2020 19:17

Instrument :
 MSVOA_W
 ClientSampleId :
 TR-05-062320

Tgt Ion:105 Resp: 8372
 Ion Ratio Lower Upper
 105 100
 120 42.5 22.8 68.3

