

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW042120\
 Data File : VW015262.D
 Acq On : 21 Apr 2020 15:06
 Operator : SY/VA
 Sample : L2271-10RE
 Misc : 4.19G/5ML/MSVOA W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Apr 22 05:57:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W042020S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 21 06:39:58 2020
 Response via : Initial Calibration

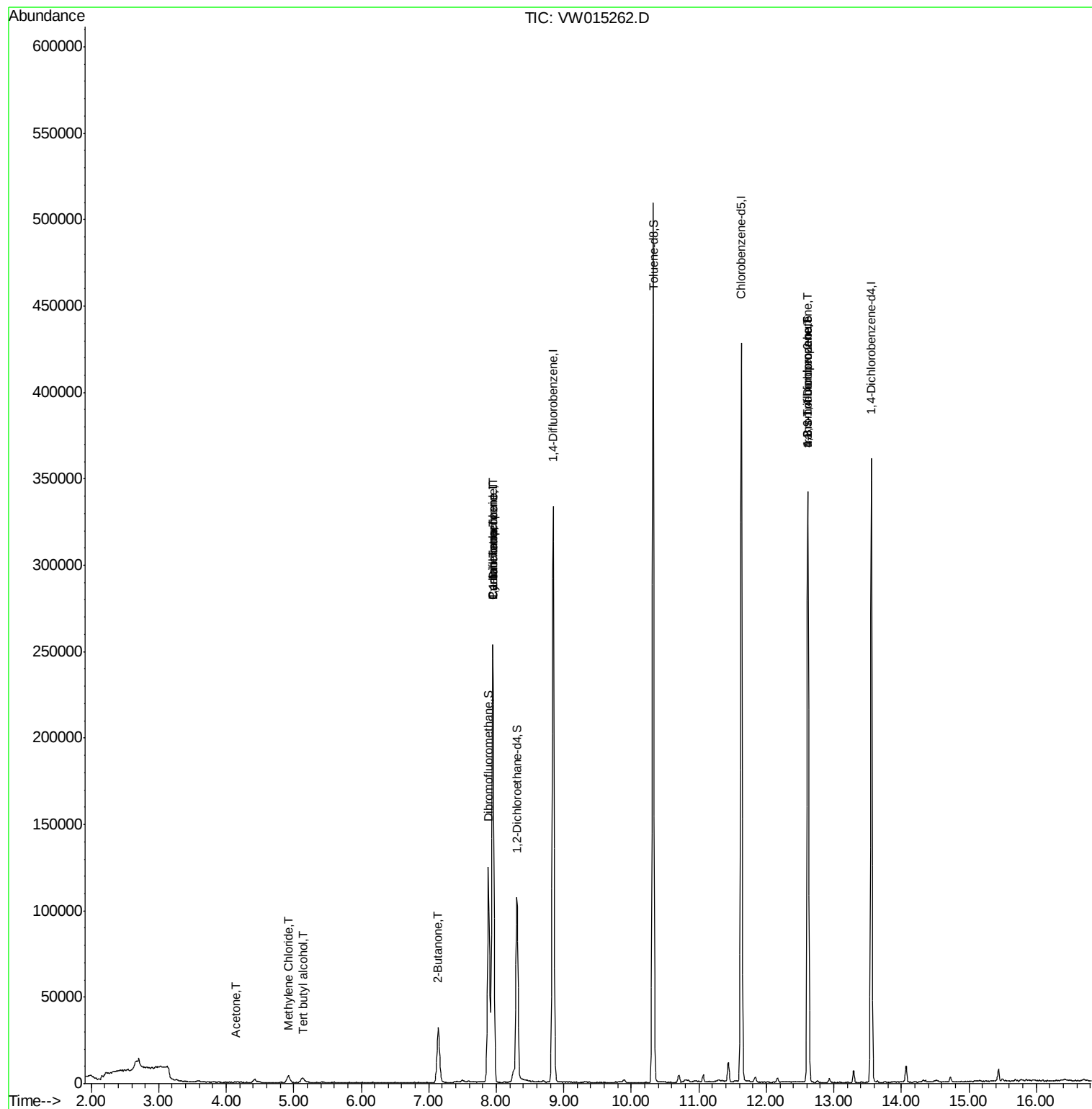
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	209771	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	297550	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	251502	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	101683	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	83572	48.72	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.44%	
35) Dibromofluoromethane	7.88	113	86648	52.57	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.14%	
50) Toluene-d8	10.32	98	346074	49.91	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.82%	
62) 4-Bromofluorobenzene	12.62	95	106740	40.35	ug/l	0.00
Spiked Amount 50.000			Recovery	=	80.70%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.13	59	3014	21.554	ug/l #	72
16) Acetone	4.14	43	634	2.116	ug/l #	84
20) Methylene Chloride	4.93	84	3289	1.675	ug/l #	79
25) 2-Butanone	7.14	43	1893	4.762	ug/l #	76
31) Cyclohexane	7.95	56	3681	1.160	ug/l #	10
36) 1,1-Dichloropropene	7.95	75	13623	5.073	ug/l #	50
38) Carbon Tetrachloride	7.95	117	18331	6.246	ug/l #	18
76) 1,2,3-Trichloropropane	12.62	75	53865	68.476	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	53865	149.689	ug/l #	15

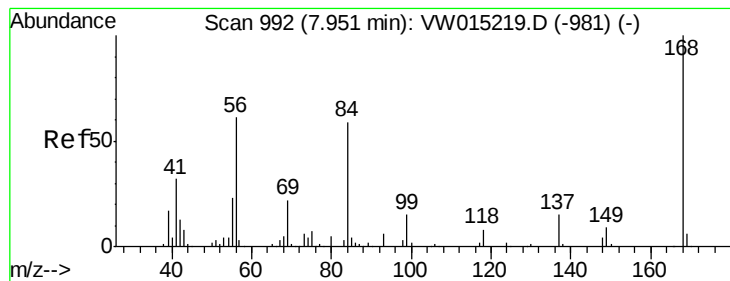
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W042020S.M
Quant Title : SW846 8260
QLast Update : Tue Apr 21 06:39:58 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: VW015262.D

Acq: 21 Apr 2020 15:06

Instrument :

MSVOA_W

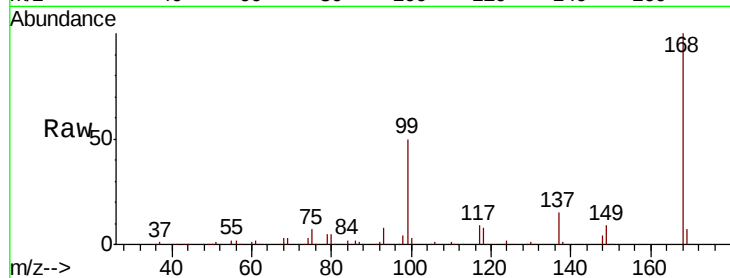
ClientSampleId :

Tot Ion:168 Resp: 209771

Ion Ratio Lower Upper

168 100

99 49.6 48.5 72.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

60000

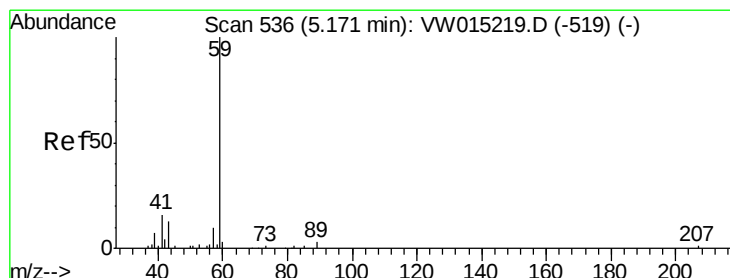
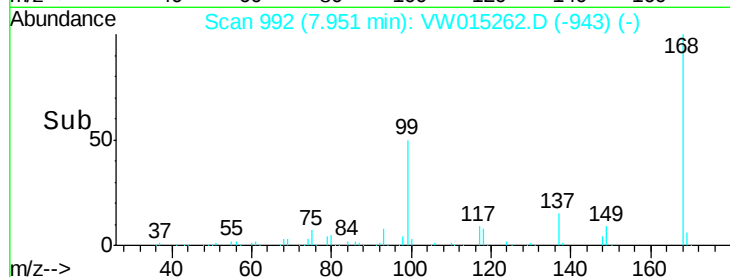
40000

20000

0

Time-->

7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 21.554 ug/l

RT: 5.13 min Scan# 530

Delta R.T. -0.04 min

Lab File: VW015262.D

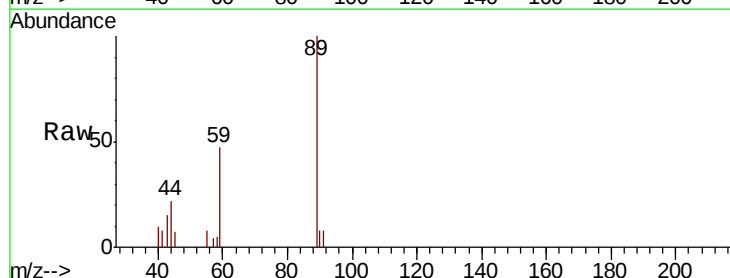
Acq: 21 Apr 2020 15:06

Tgt Ion: 59 Resp: 3014

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

5.13

600

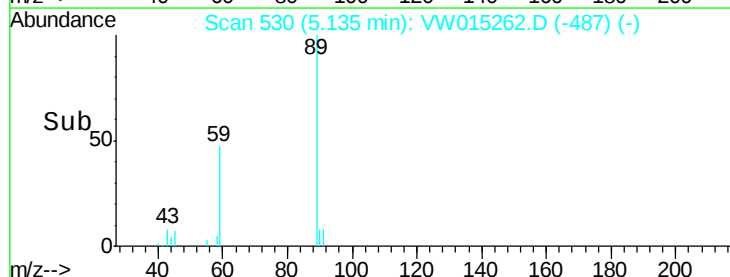
400

200

0

Time-->

5.00 5.10 5.20 5.30

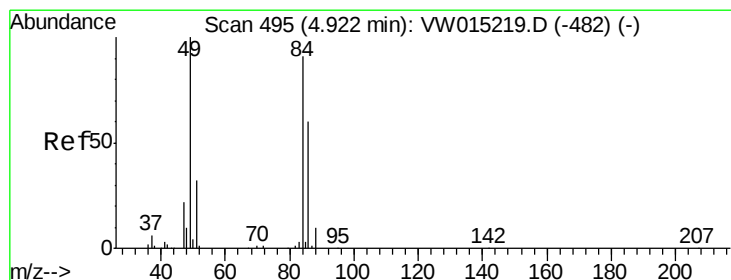
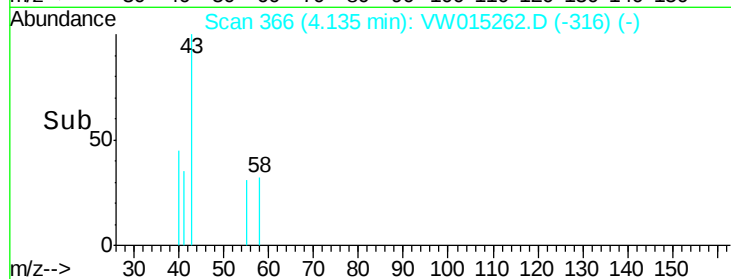
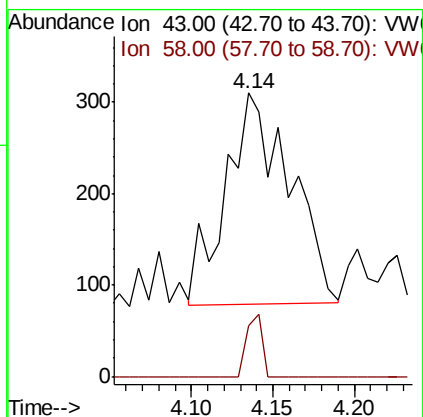
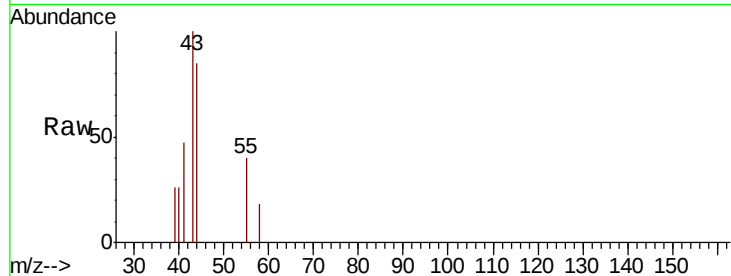




#16
Acetone
Concen: 2.116 ug/l
RT: 4.14 min Scan# 366
Delta R.T. 0.01 min
Lab File: VW015262.D
Acq: 21 Apr 2020 15:06

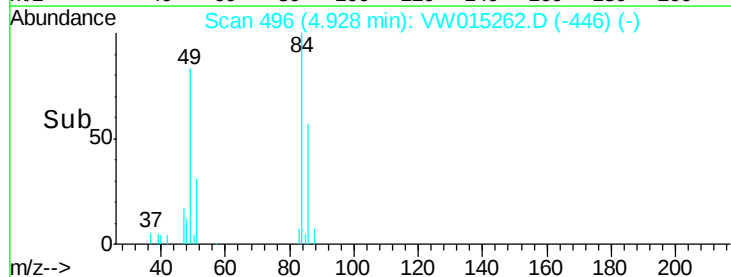
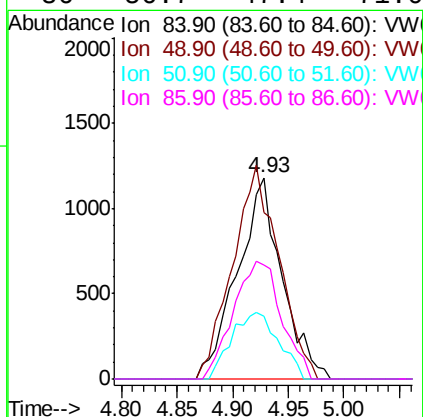
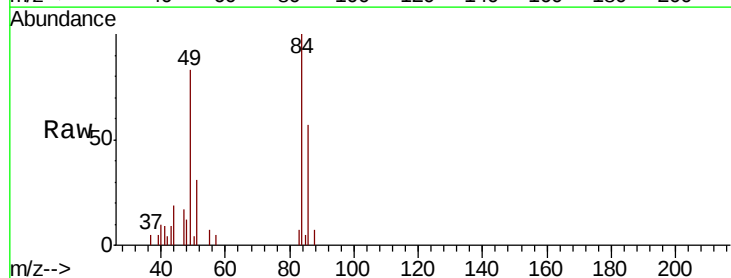
Instrument :
MSVOA_W
ClientSampleId :

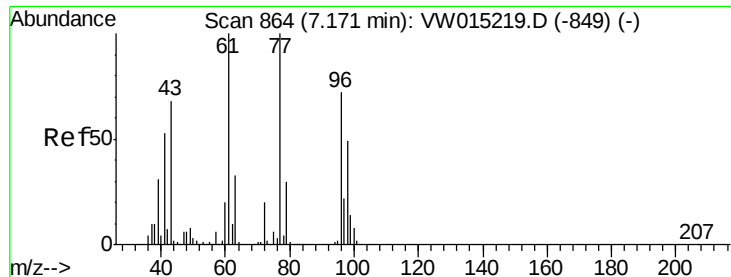
Tot Ion: 43 Resp: 634
Ion Ratio Lower Upper
43 100
58 24.7 27.0 40.4#



#20
Methylene Chloride
Concen: 1.675 ug/l
RT: 4.93 min Scan# 496
Delta R.T. 0.01 min
Lab File: VW015262.D
Acq: 21 Apr 2020 15:06

Tgt Ion: 84 Resp: 3289
Ion Ratio Lower Upper
84 100
49 82.6 95.4 143.0#
51 31.0 29.8 44.8
86 56.7 47.4 71.0





#25

2-Butanone

Concen: 4.762 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.03 min

Lab File: VW015262.D

Acq: 21 Apr 2020 15:06

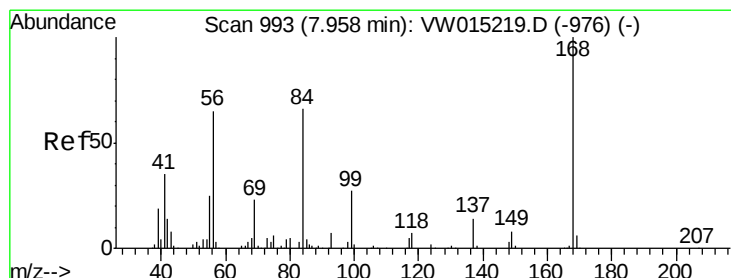
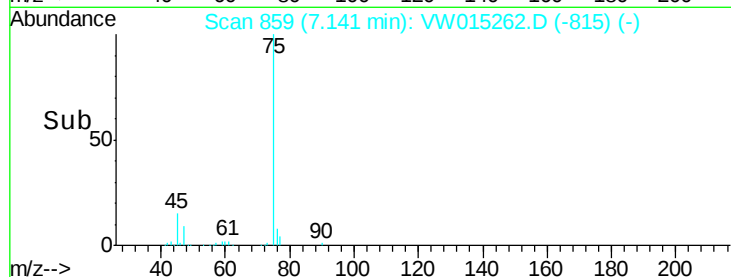
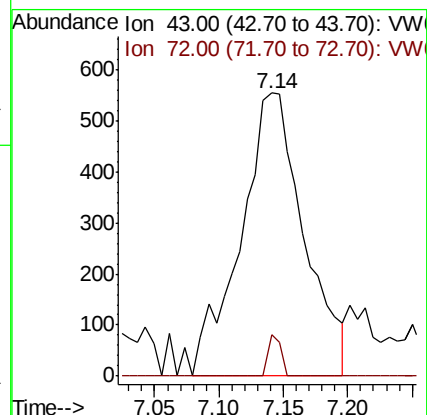
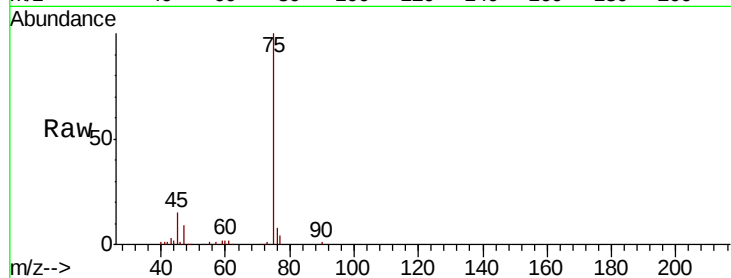
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 1893

Ion Ratio Lower Upper

43 100

72 14.6 21.6 32.4#



#31

Cyclohexane

Concen: 1.160 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW015262.D

Acq: 21 Apr 2020 15:06

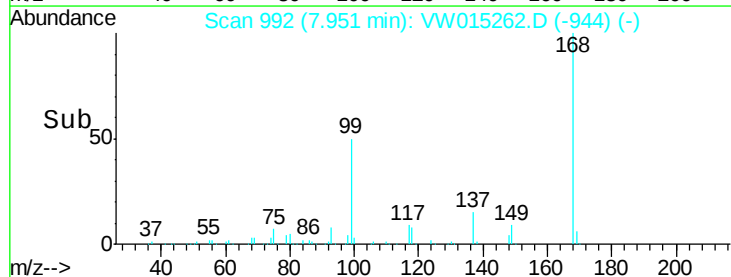
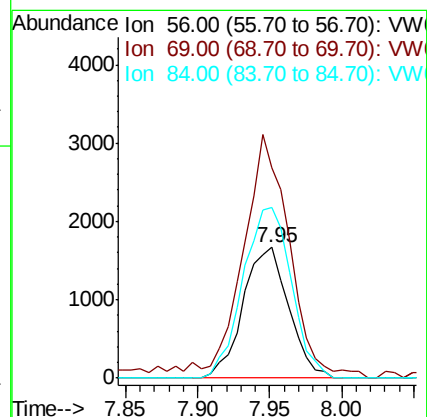
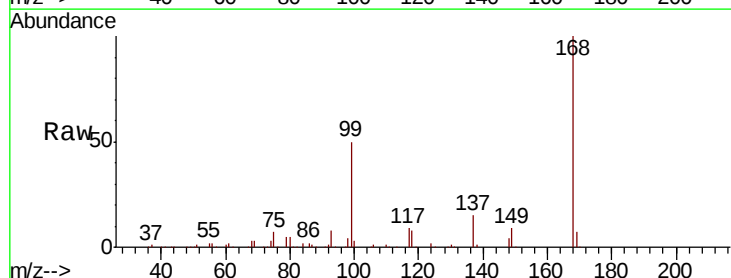
Tgt Ion: 56 Resp: 3681

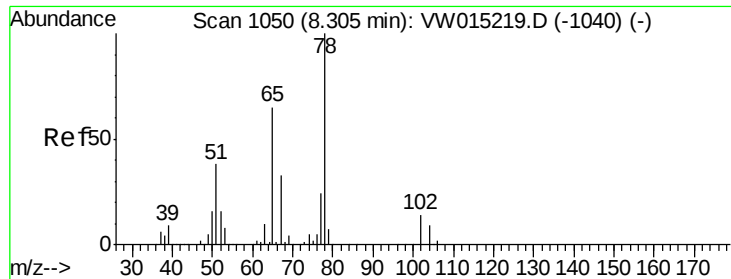
Ion Ratio Lower Upper

56 100

69 155.6 27.1 40.7#

84 131.2 71.9 107.9#





#33

1,2-Dichloroethane-d4

Concen: 48.719 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW015262.D

Acq: 21 Apr 2020 15:06

Instrument :

MSVOA_W

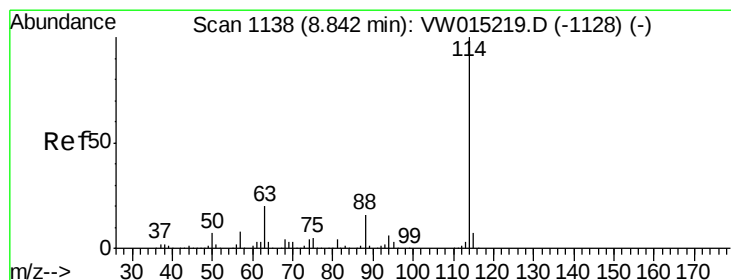
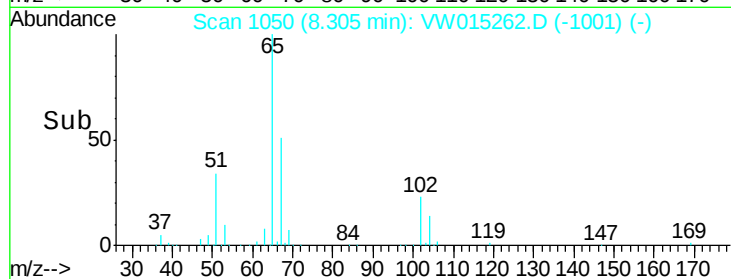
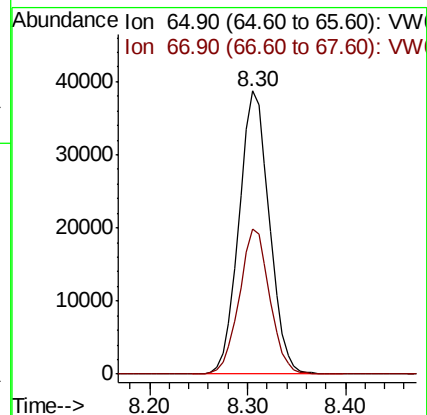
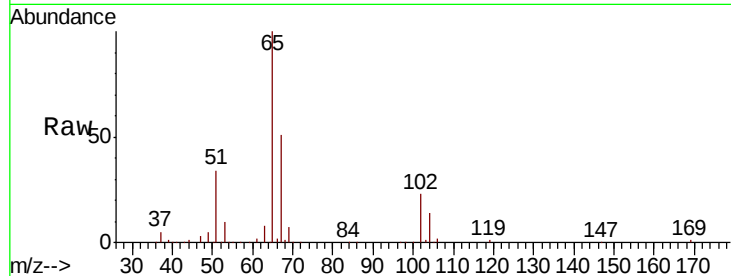
ClientSampleId :

Tot Ion: 65 Resp: 83572

Ion Ratio Lower Upper

65 100

67 51.6 0.0 107.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW015262.D

Acq: 21 Apr 2020 15:06

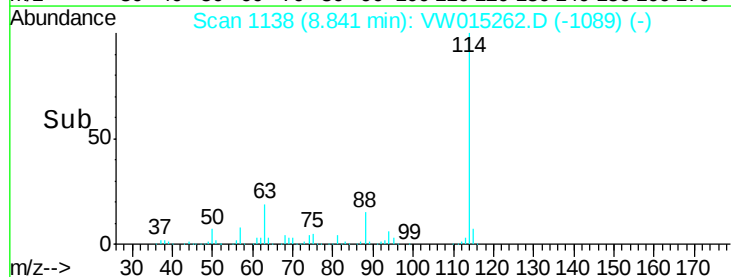
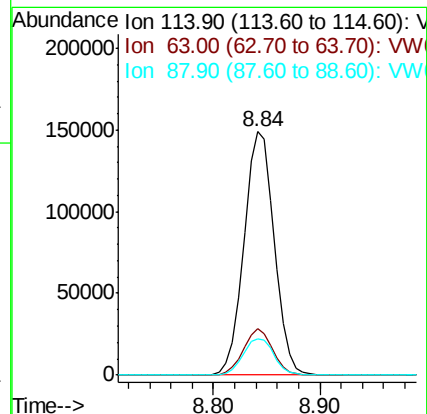
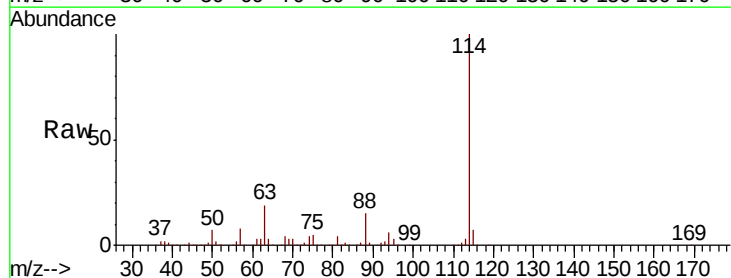
Tgt Ion: 114 Resp: 297550

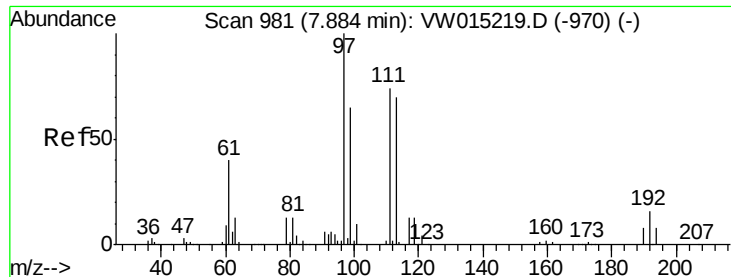
Ion Ratio Lower Upper

114 100

63 18.9 0.0 39.8

88 15.1 0.0 30.2

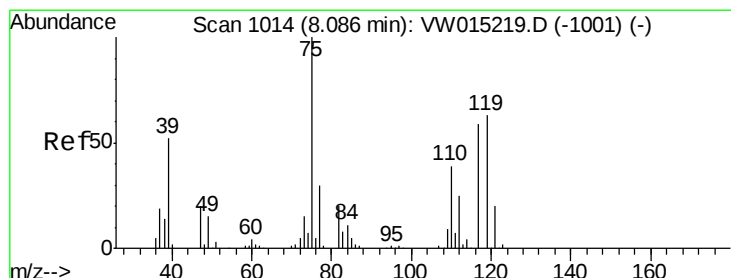
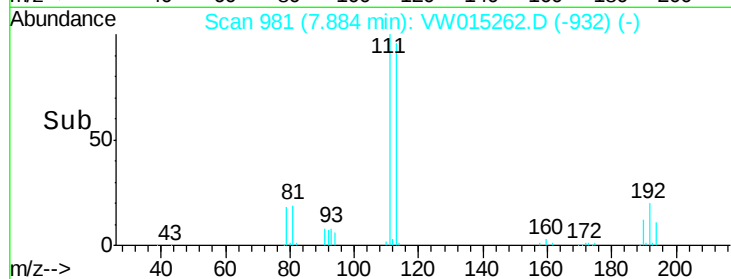
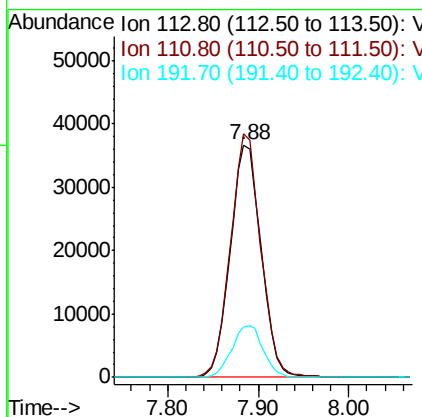
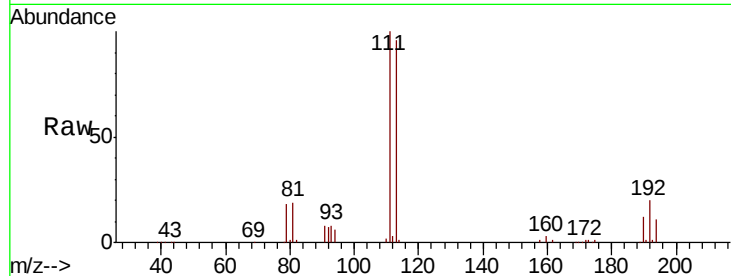




#35
 Dibromofluoromethane
 Concen: 52.572 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW015262.D
 Acq: 21 Apr 2020 15:06

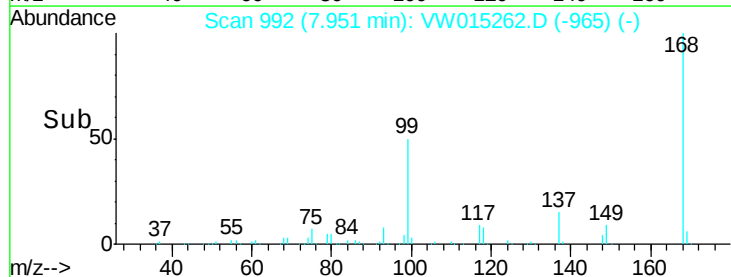
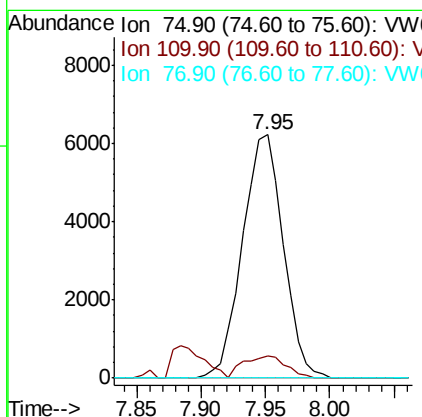
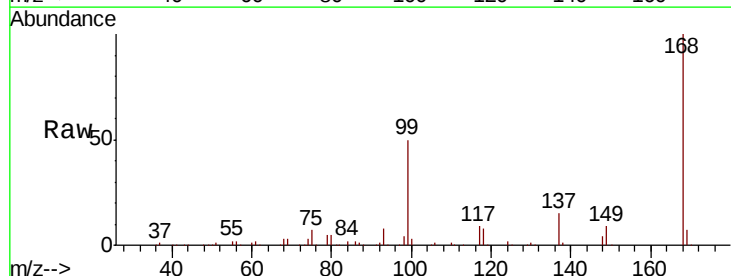
Instrument :
 MSVOA_W
 ClientSampleId :

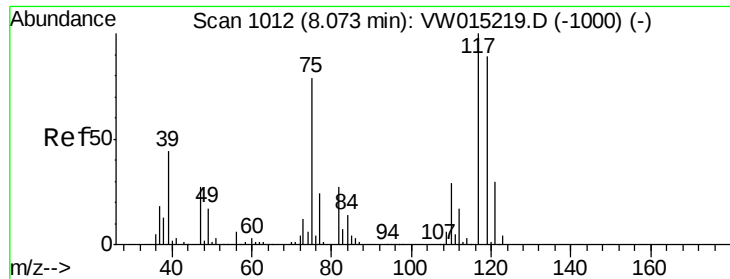
Tot Ion:113 Resp: 86648
 Ion Ratio Lower Upper
 113 100
 111 102.9 83.0 124.4
 192 22.6 15.1 22.7



#36
 1,1-Dichloropropene
 Concen: 5.073 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW015262.D
 Acq: 21 Apr 2020 15:06

Tgt Ion: 75 Resp: 13623
 Ion Ratio Lower Upper
 75 100
 110 9.6 18.2 54.6#
 77 0.0 24.5 36.7#

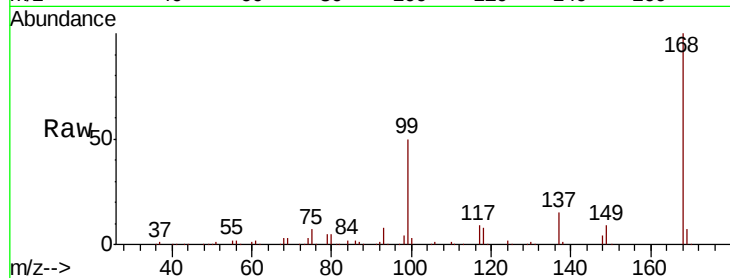




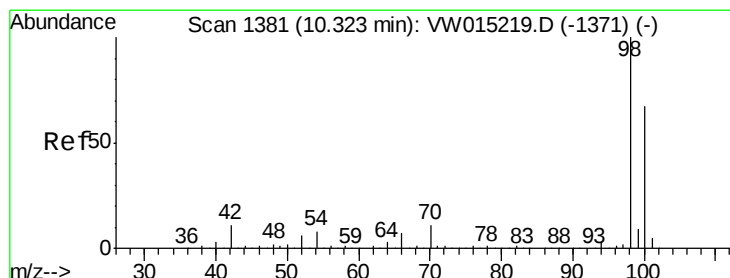
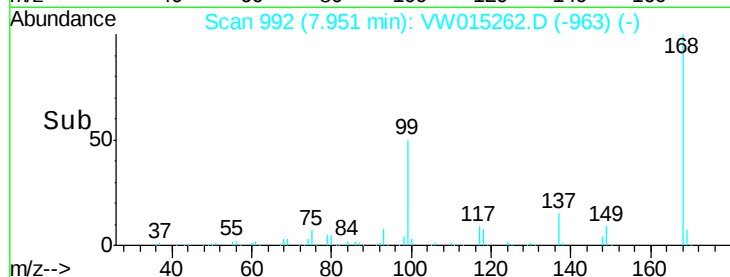
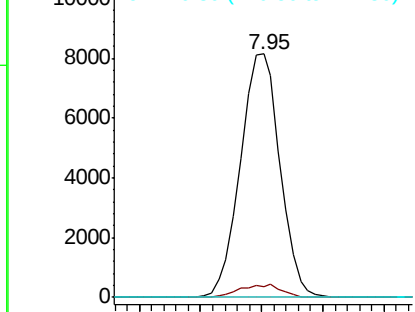
#38
Carbon Tetrachloride
Concen: 6.246 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW015262.D
Acq: 21 Apr 2020 15:06

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 18331
Ion Ratio Lower Upper
117 100
119 4.5 72.3 108.5#
121 0.0 23.7 35.5#

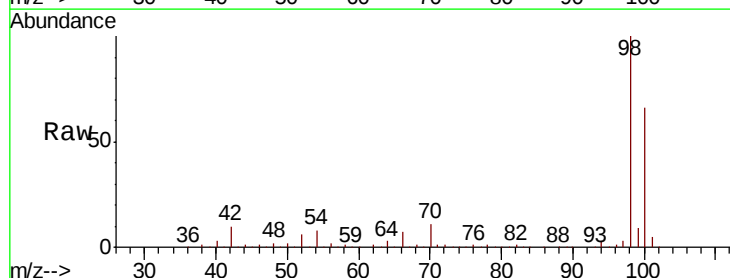


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

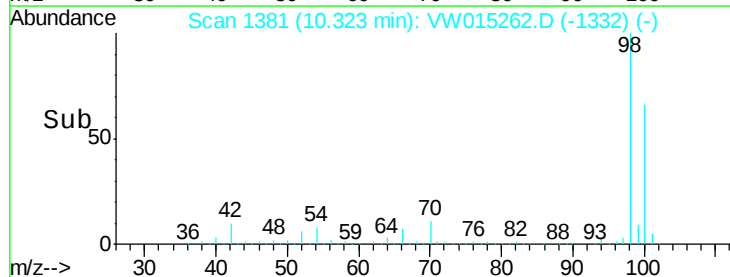
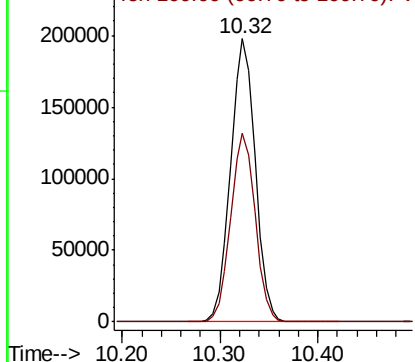


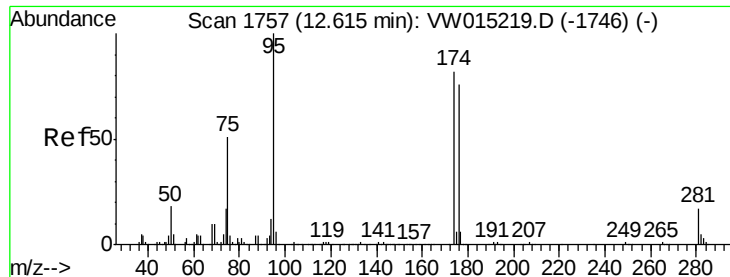
#50
Toluene-d8
Concen: 49.914 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW015262.D
Acq: 21 Apr 2020 15:06

Tgt Ion: 98 Resp: 346074
Ion Ratio Lower Upper
98 100
100 66.2 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 40.349 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW015262.D

Acq: 21 Apr 2020 15:06

Instrument :

MSVOA_W

ClientSampleId :

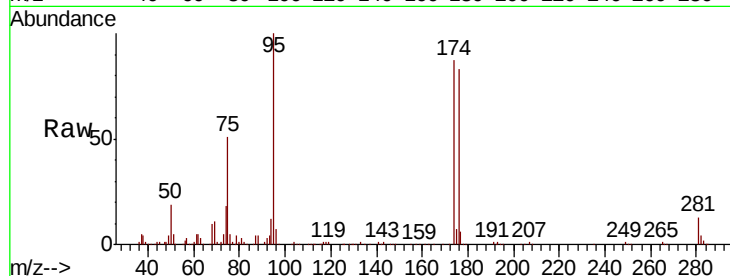
Tot Ion: 95 Resp: 106740

Ion Ratio Lower Upper

95 100

174 90.2 0.0 144.4

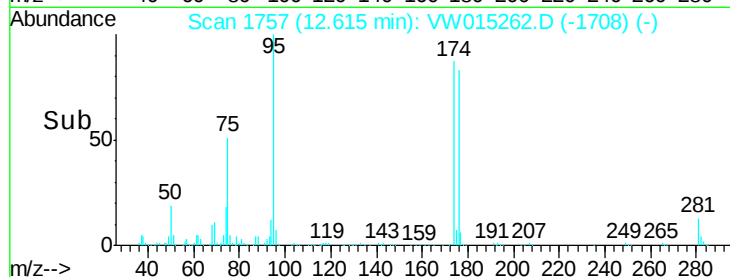
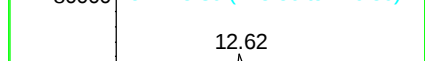
176 87.7 0.0 140.6



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



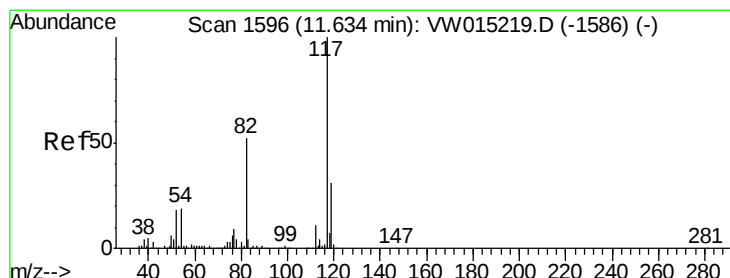
Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



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: VW015262.D

Acq: 21 Apr 2020 15:06

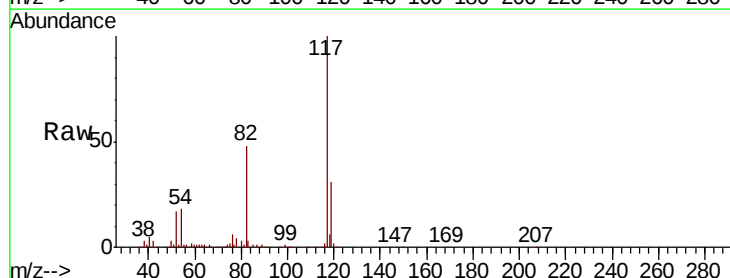
Tgt Ion: 117 Resp: 251502

Ion Ratio Lower Upper

117 100

82 48.4 44.1 66.1

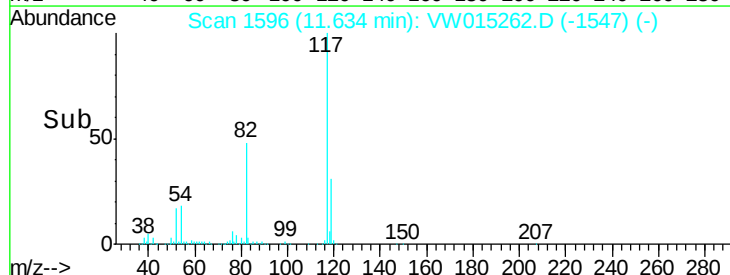
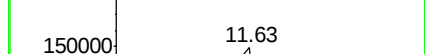
119 30.7 24.9 37.3



Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

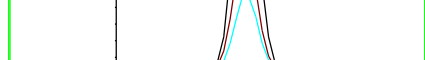
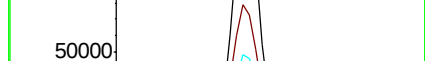
Ion 118.90 (118.60 to 119.60): VW



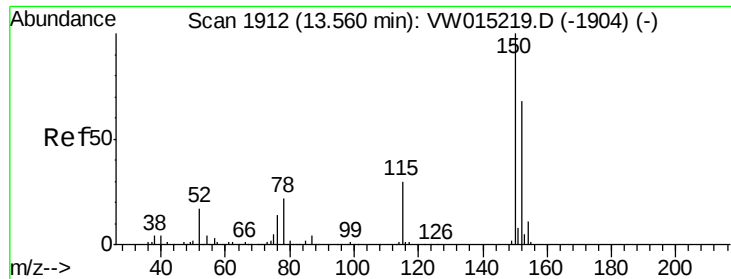
Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW



Time--> 11.60 11.70



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW015262.D

Acq: 21 Apr 2020 15:06

Instrument :

MSVOA_W

ClientSampleId :

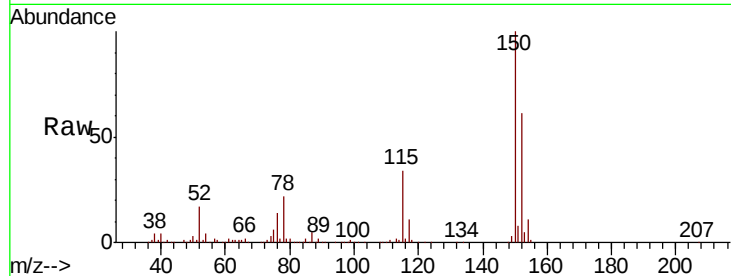
Tot Ion:152 Resp: 101683

Ion Ratio Lower Upper

152 100

115 56.3 31.3 93.9

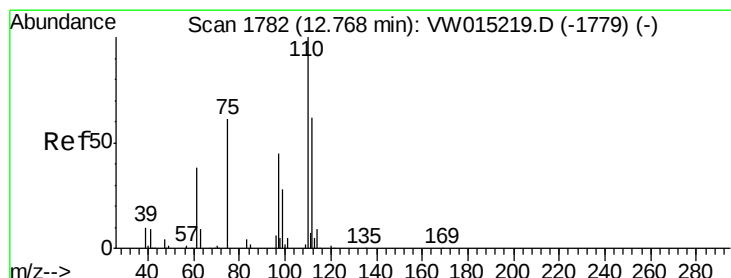
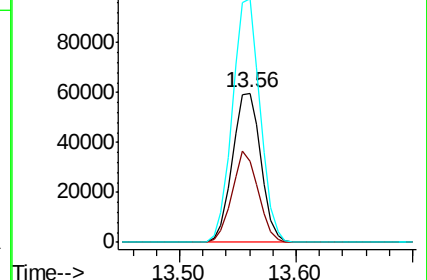
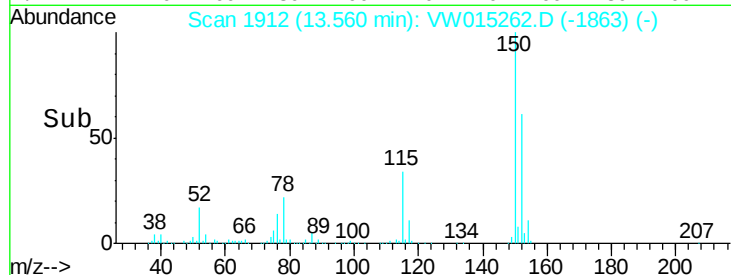
150 158.5 0.0 343.4



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: 68.476 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW015262.D

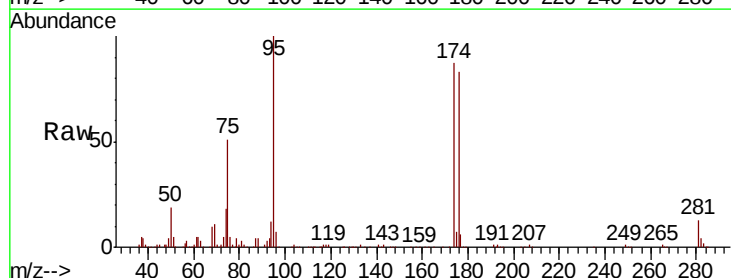
Acq: 21 Apr 2020 15:06

Tgt Ion: 75 Resp: 53865

Ion Ratio Lower Upper

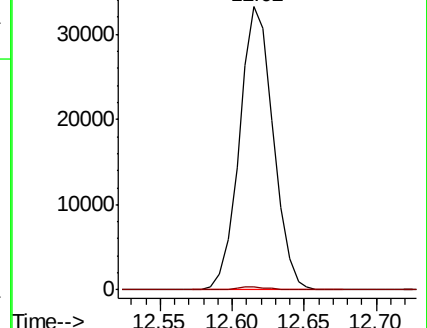
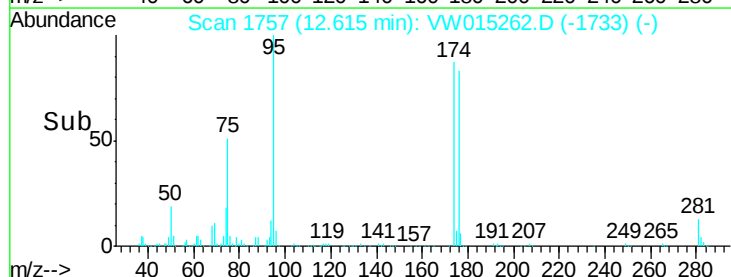
75 100

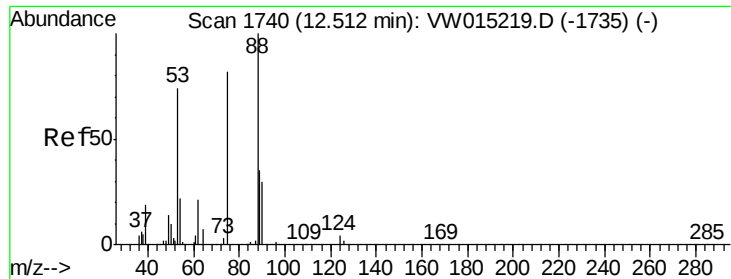
77 1.1 0.0 0.0#



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: 149.689 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW015262.D

Acq: 21 Apr 2020 15:06

Instrument :

MSVOA_W

ClientSampleId :

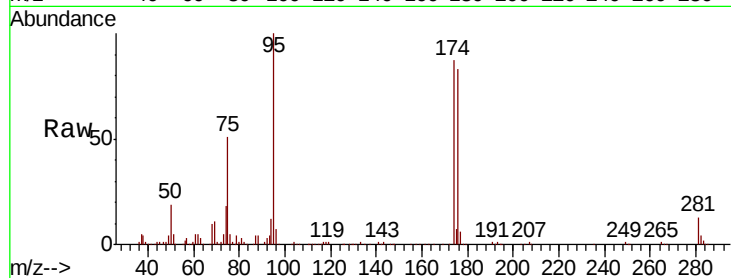
Tot Ion: 75 Resp: 53865

Ion Ratio Lower Upper

75 100

53 0.0 69.4 104.2#

89 0.0 34.8 52.2#



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

