

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW051520\
 Data File : VW015435.D
 Acq On : 15 May 2020 15:44
 Operator : SY/VA
 Sample : L2663-11
 Misc : 6.35G/5ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

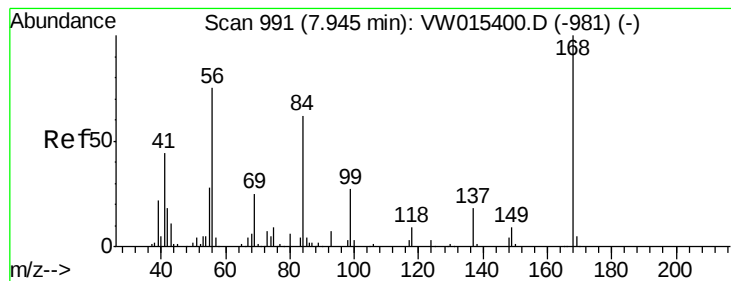
Quant Time: May 16 02:51:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W050620S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 05 18:41:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	206426	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	344819	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	286165	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	110062	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	113014	49.80	ug/l	0.00
Spiked Amount			Recovery	=	99.60%	
35) Dibromofluoromethane	7.88	113	102373	51.73	ug/l	0.00
Spiked Amount			Recovery	=	103.46%	
50) Toluene-d8	10.32	98	410517	50.12	ug/l	0.00
Spiked Amount			Recovery	=	100.24%	
62) 4-Bromofluorobenzene	12.62	95	163853	54.18	ug/l	0.00
Spiked Amount			Recovery	=	108.36%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.17	59	216	1.651	ug/l #	1
16) Acetone	4.12	43	1313	3.725	ug/l #	88
20) Methylene Chloride	4.92	84	4011	1.744	ug/l #	97
29) Tetrahydrofuran	7.53	42	488	1.350	ug/l #	54
31) Cyclohexane	7.95	56	5188	1.248	ug/l #	17
36) 1,1-Dichloropropene	7.95	75	17094	5.046	ug/l #	56
38) Carbon Tetrachloride	7.95	117	21387	6.753	ug/l #	15
71) Bromoform	12.33	173	1471	1.508	ug/l #	29
75) 1,1,2,2-Tetrachloroethane	12.68	83	110262	85.780	ug/l #	28
76) 1,2,3-Trichloropropane	12.62	75	67815	74.899	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	67815	148.151	ug/l #	9
83) tert-Butylbenzene	13.20	119	11432	1.936	ug/l #	54
89) n-Butylbenzene	13.85	91	8158	1.098	ug/l #	50
92) 1,2-Dibromo-3-Chloropropan	14.51	75	247	1.101	ug/l #	6

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW015435.D

Acq: 15 May 2020 15:44

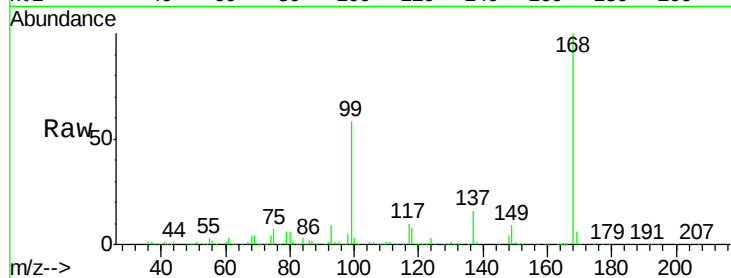
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 206426

Ion Ratio Lower Upper

168 100

99 58.2 50.3 75.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

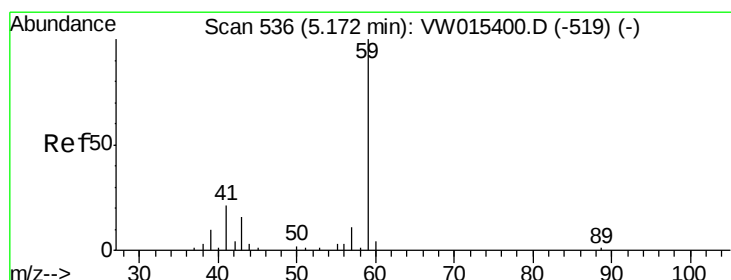
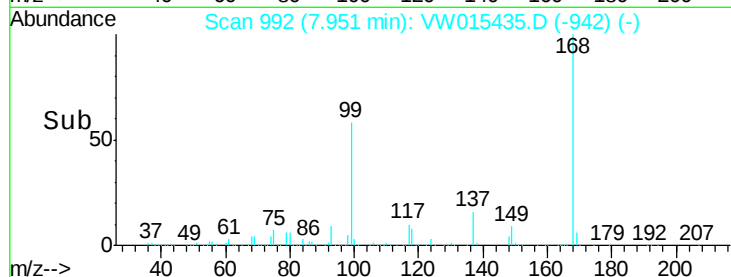
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 1.651 ug/l

RT: 5.17 min Scan# 536

Delta R.T. -0.00 min

Lab File: VW015435.D

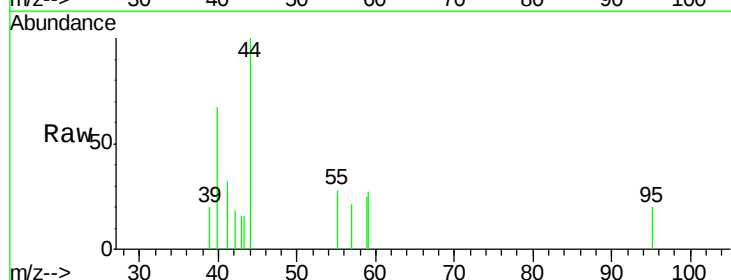
Acq: 15 May 2020 15:44

Tgt Ion: 59 Resp: 216

Ion Ratio Lower Upper

59 100

57 78.2 8.6 13.0#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.17

200

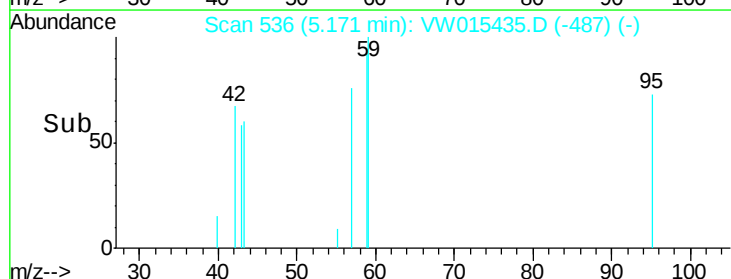
150

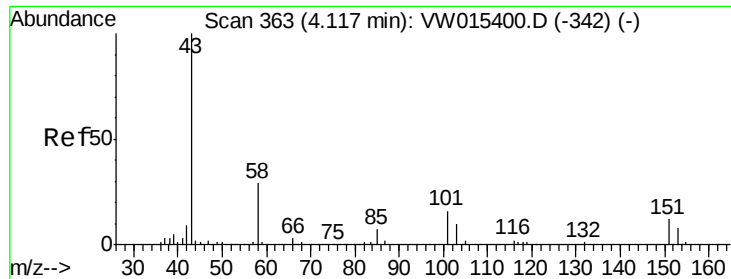
100

50

0

Time--> 5.16 5.18 5.20 5.22

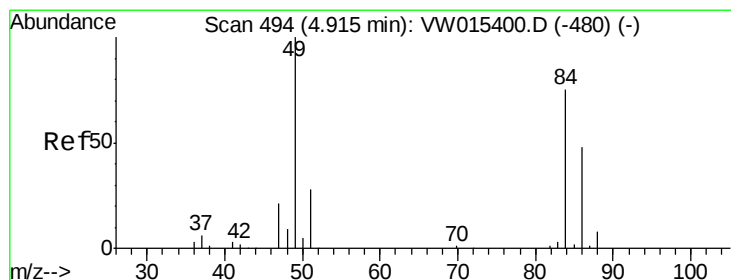
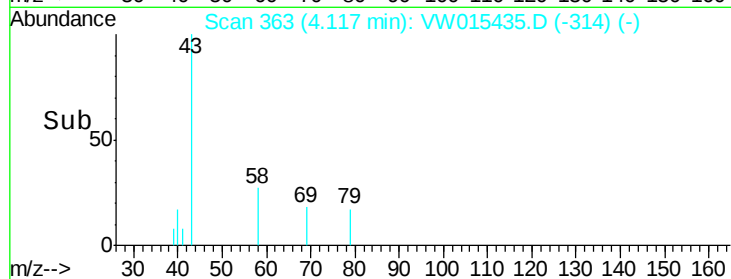
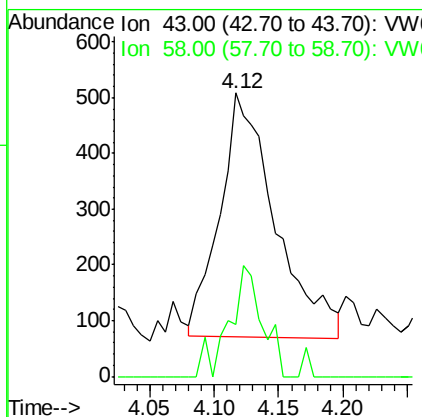
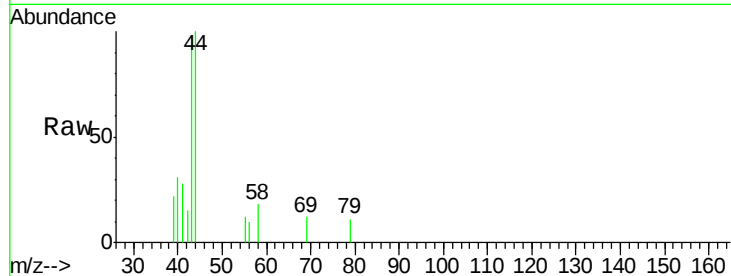




#16
Acetone
Concen: 3.725 ug/l
RT: 4.12 min Scan# 363
Delta R.T. -0.00 min
Lab File: VW015435.D
Acq: 15 May 2020 15:44

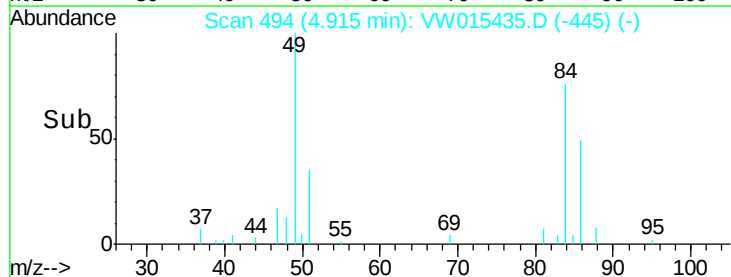
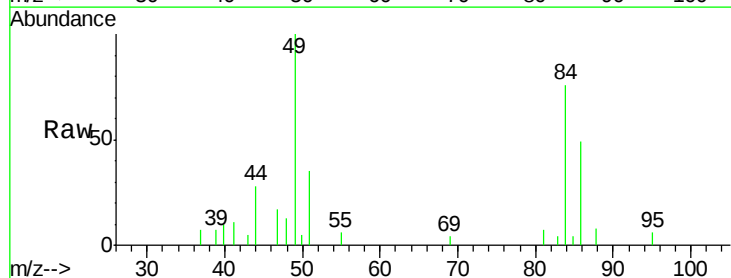
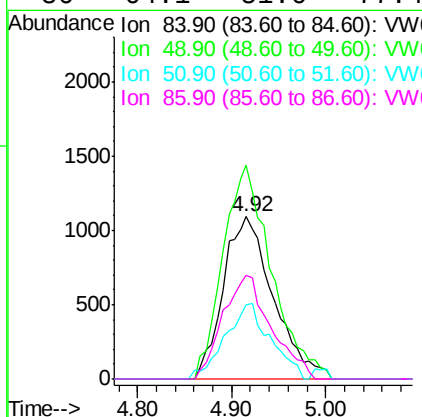
Instrument :
MSVOA_W
ClientSampled :

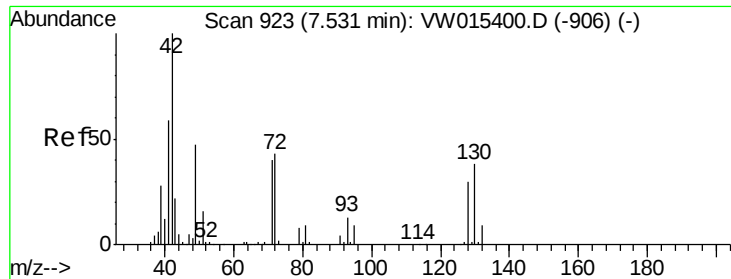
Tot Ion: 43 Resp: 1313
Ion Ratio Lower Upper
43 100
58 22.5 23.4 35.0#



#20
Methylene Chloride
Concen: 1.744 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW015435.D
Acq: 15 May 2020 15:44

Tgt Ion: 84 Resp: 4011
Ion Ratio Lower Upper
84 100
49 131.9 106.4 159.6
51 46.1 30.2 45.2#
86 64.1 51.6 77.4

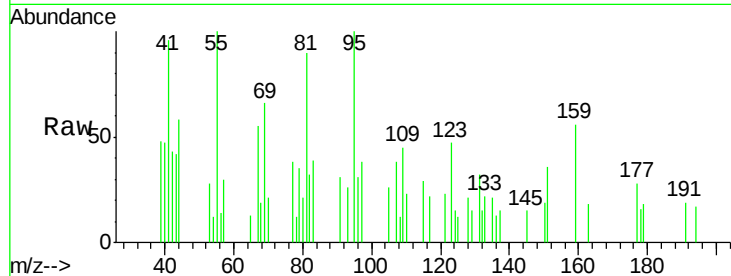




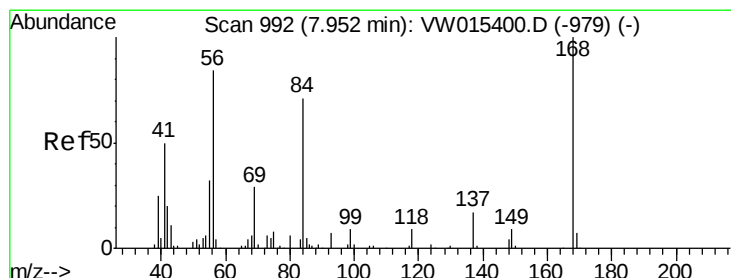
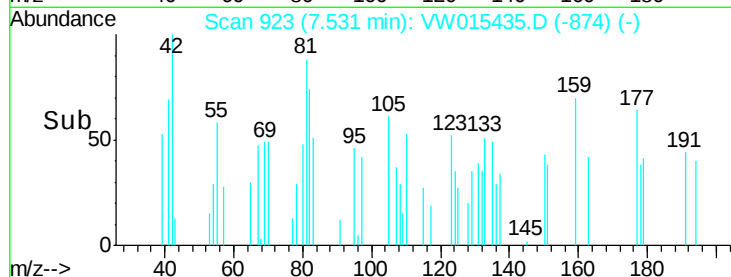
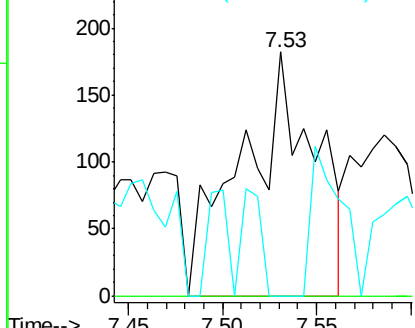
#29
Tetrahydrofuran
Concen: 1.350 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW015435.D
Acq: 15 May 2020 15:44

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 42 Resp: 488
Ion Ratio Lower Upper
42 100
72 0.0 33.6 50.4#
71 25.2 32.1 48.1#

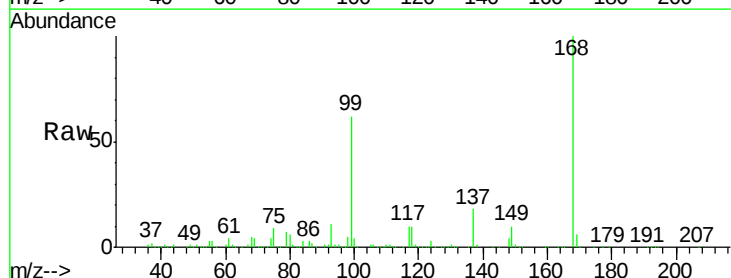


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

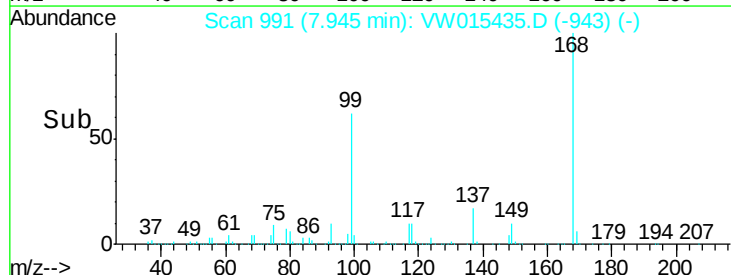
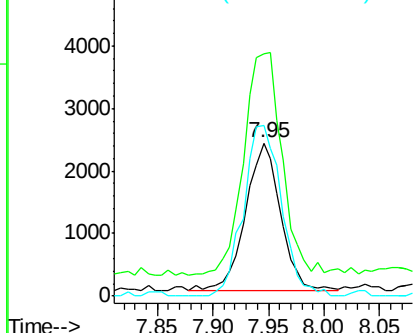


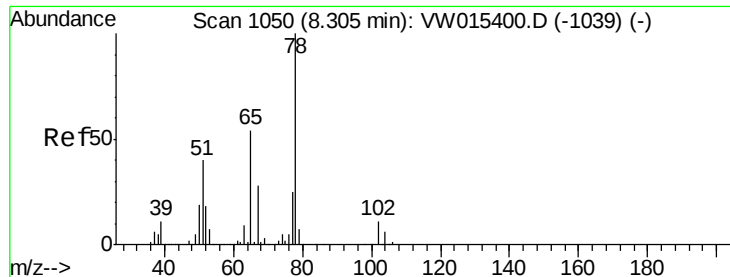
#31
Cyclohexane
Concen: 1.248 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW015435.D
Acq: 15 May 2020 15:44

Tgt Ion: 56 Resp: 5188
Ion Ratio Lower Upper
56 100
69 151.0 27.2 40.8#
84 116.2 67.7 101.5#



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

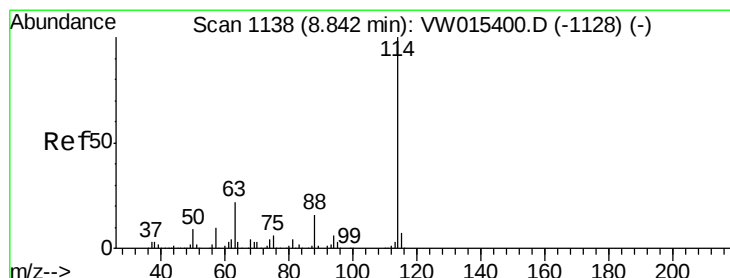
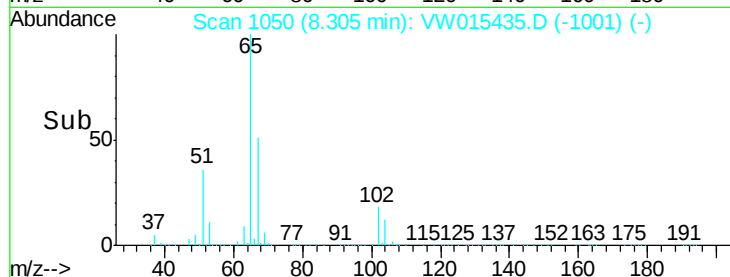
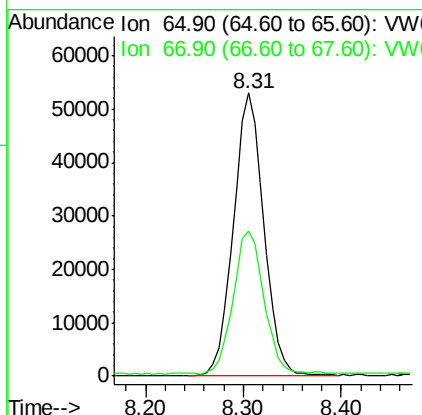
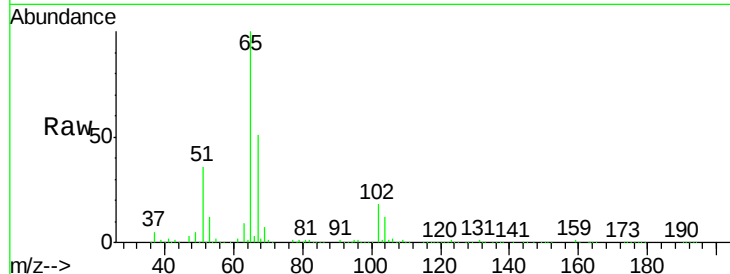




#33
 1,2-Dichloroethane-d4
 Concen: 49.804 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW015435.D
 Acq: 15 May 2020 15:44

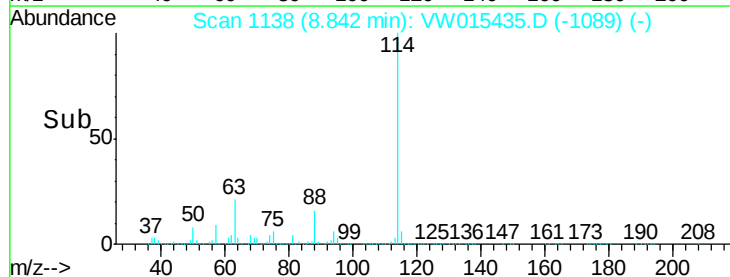
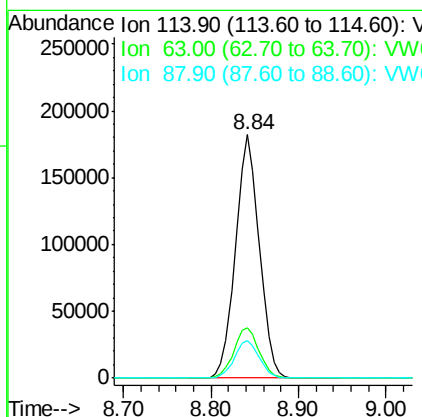
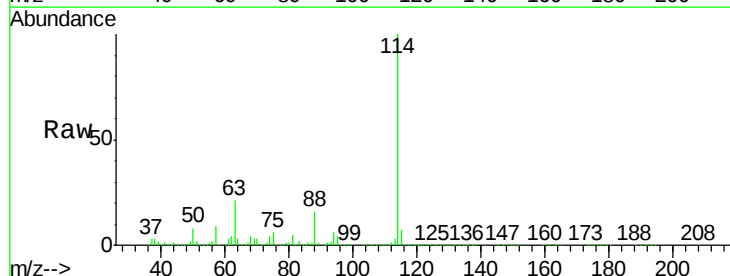
Instrument :
 MSVOA_W
 ClientSampleId :

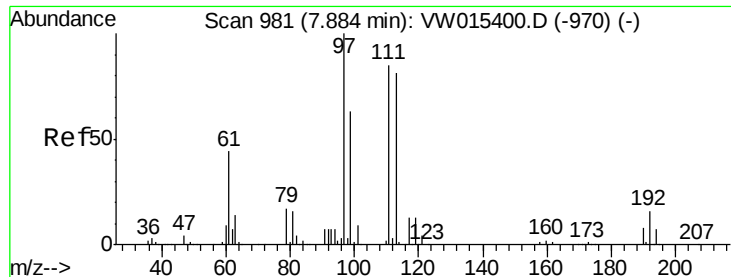
Tot Ion: 65 Resp: 113014
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 102.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW015435.D
 Acq: 15 May 2020 15:44

Tgt Ion: 114 Resp: 344819
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 43.4
 88 15.7 0.0 31.8





#35

Dibromofluoromethane

Concen: 51.727 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW015435.D

Acq: 15 May 2020 15:44

Instrument :
MSVOA_W
ClientSampleId :

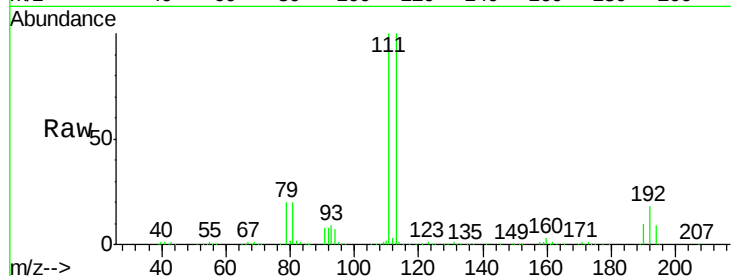
Tot Ion:113 Resp: 102373

Ion Ratio Lower Upper

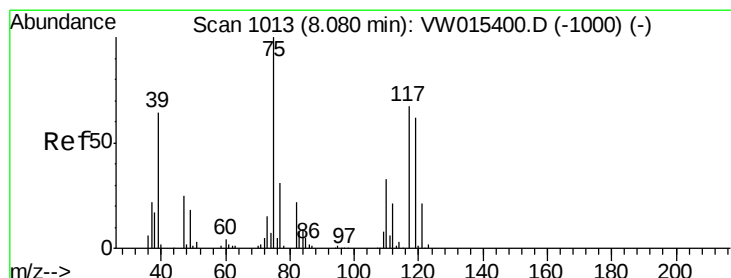
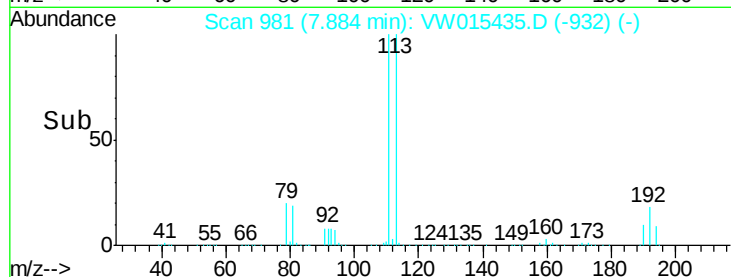
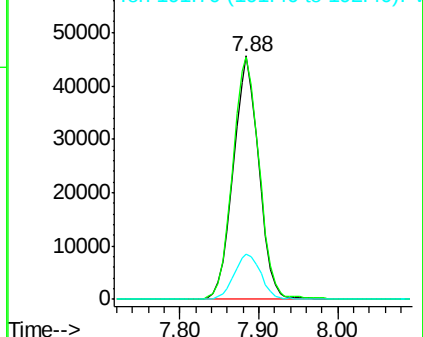
113 100

111 104.1 82.9 124.3

192 19.7 15.4 23.0



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: 5.046 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW015435.D

Acq: 15 May 2020 15:44

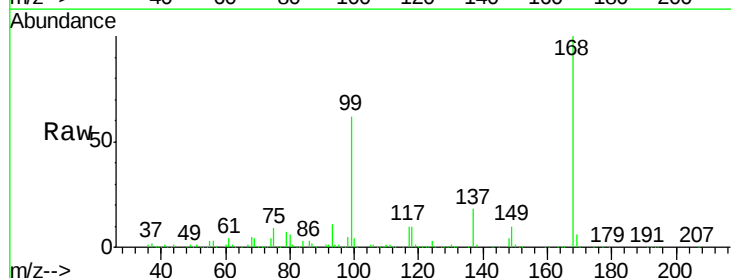
Tgt Ion: 75 Resp: 17094

Ion Ratio Lower Upper

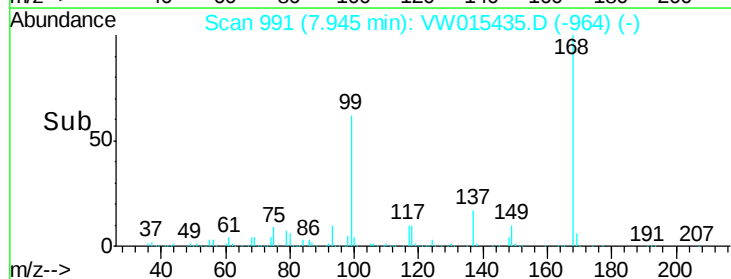
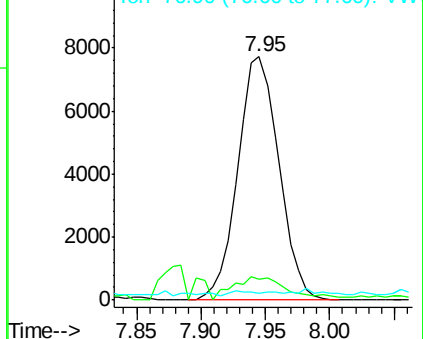
75 100

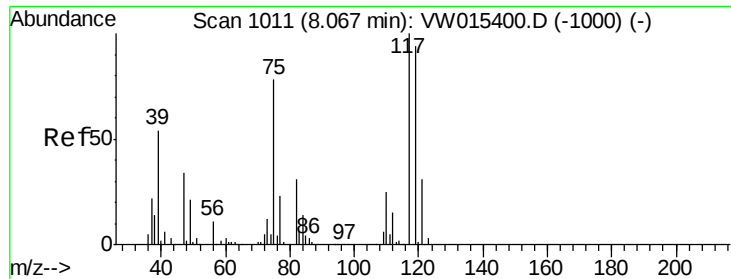
110 13.0 16.6 49.8#

77 1.1 24.5 36.7#



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VW

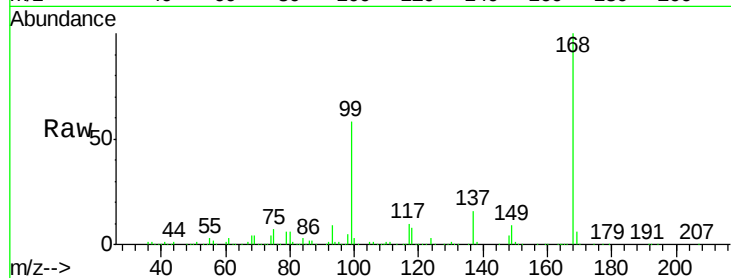




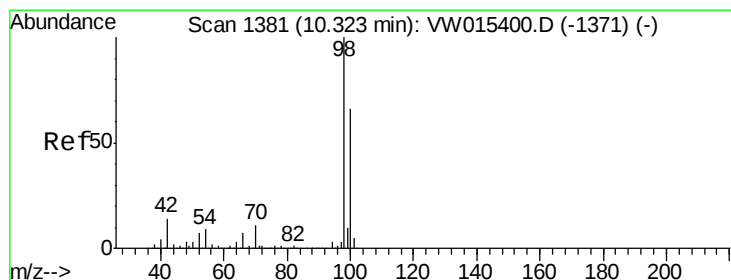
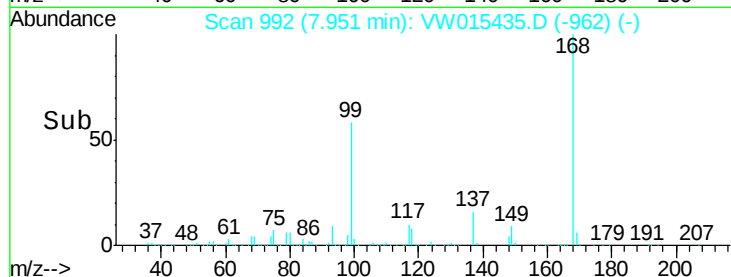
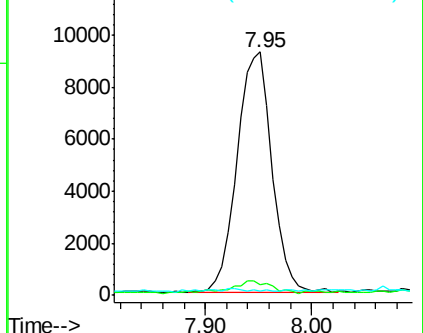
#38
Carbon Tetrachloride
Concen: 6.753 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW015435.D
Acq: 15 May 2020 15:44

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:117 Resp: 21387
Ion Ratio Lower Upper
117 100
119 2.9 75.4 113.0#
121 0.0 24.8 37.2#

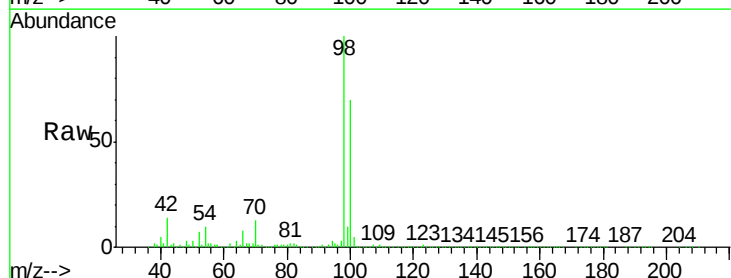


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

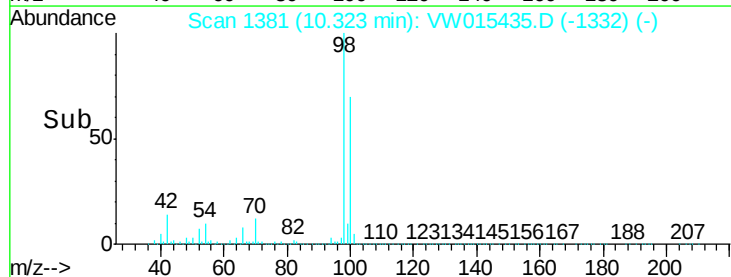
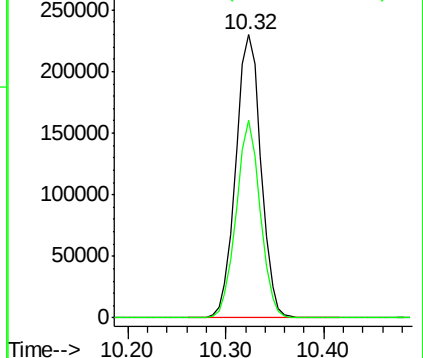


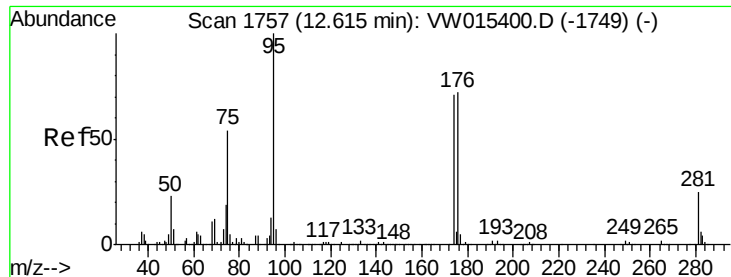
#50
Toluene-d8
Concen: 50.122 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW015435.D
Acq: 15 May 2020 15:44

Tgt Ion: 98 Resp: 410517
Ion Ratio Lower Upper
98 100
100 66.4 52.7 79.1



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





#62

4-Bromofluorobenzene

Concen: 54.178 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW015435.D

Acq: 15 May 2020 15:44

Instrument :

MSVOA_W

ClientSampleId :

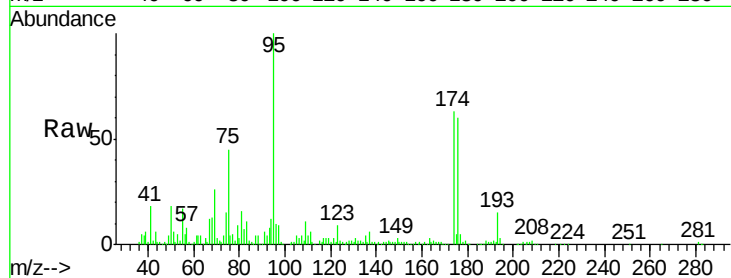
Tot Ion: 95 Resp: 163853

Ion Ratio Lower Upper

95 100

174 58.9 0.0 147.6

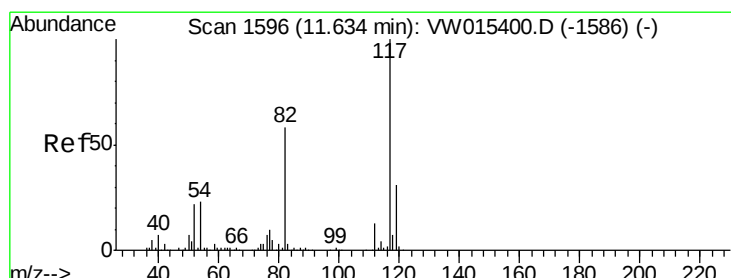
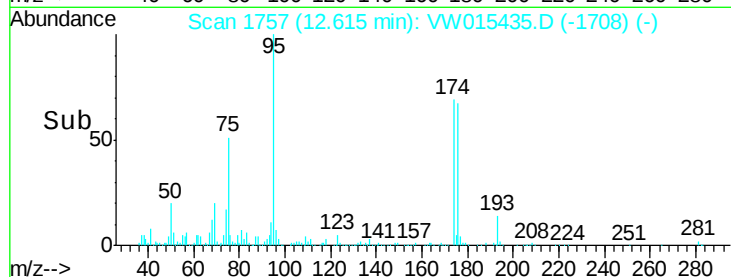
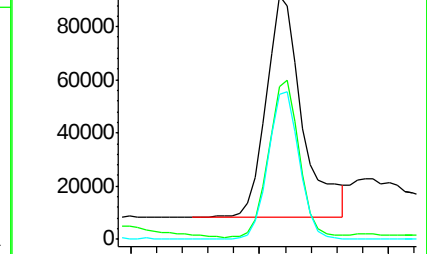
176 56.2 0.0 144.4



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



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW015435.D

Acq: 15 May 2020 15:44

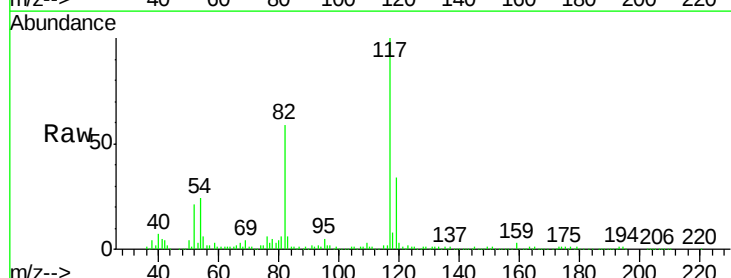
Tgt Ion: 117 Resp: 286165

Ion Ratio Lower Upper

117 100

82 58.0 46.4 69.6

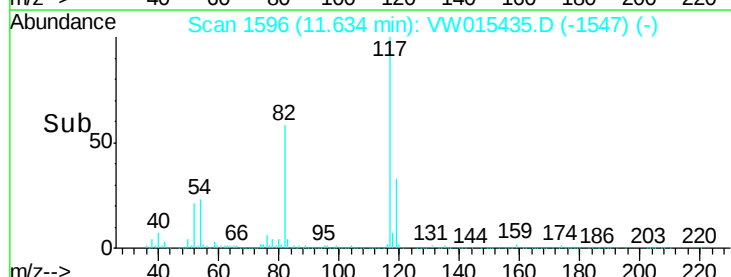
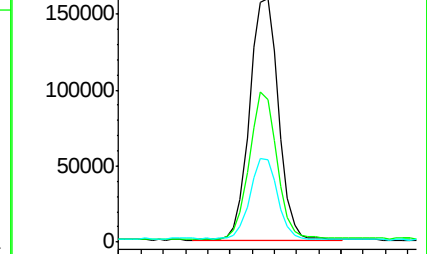
119 32.9 24.6 37.0

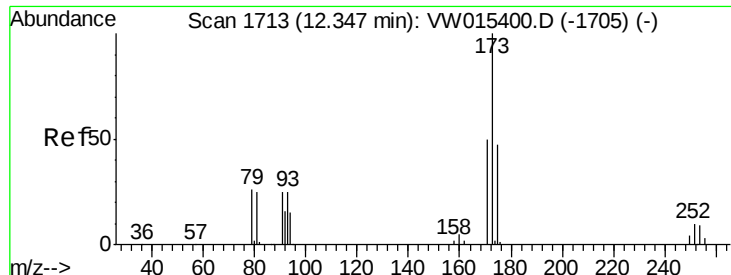


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#71

Bromoform

Concen: 1.508 ug/l

RT: 12.33 min Scan# 1710

Delta R.T. -0.02 min

Lab File: VW015435.D

Acq: 15 May 2020 15:44

Instrument :

MSVOA_W

ClientSampled :

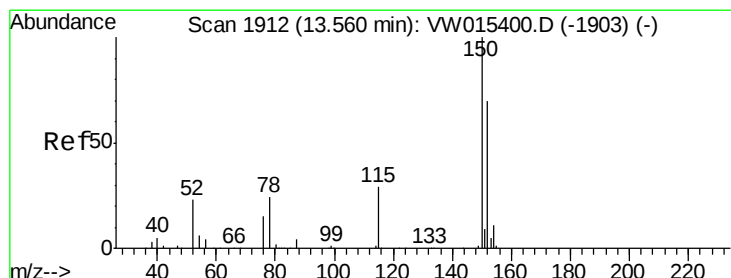
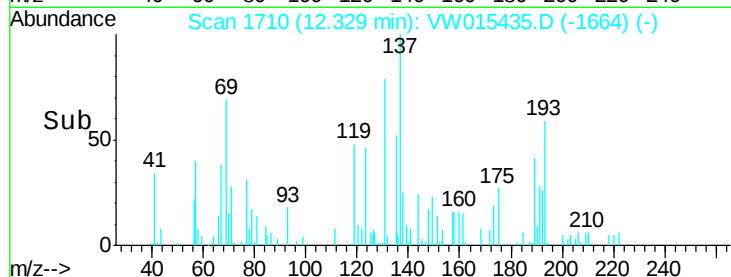
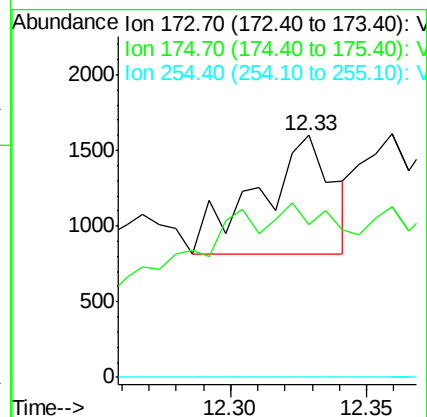
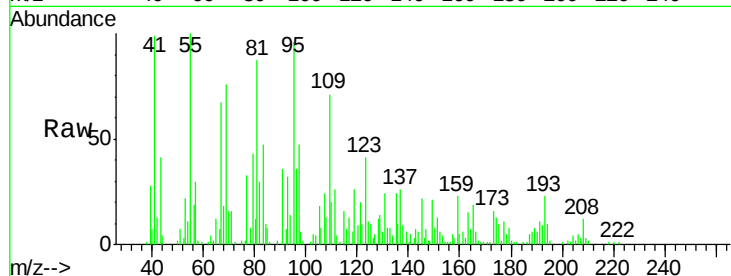
Tot Ion:173 Resp: 1471

Ion Ratio Lower Upper

173 100

175 0.0 23.8 71.4#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW015435.D

Acq: 15 May 2020 15:44

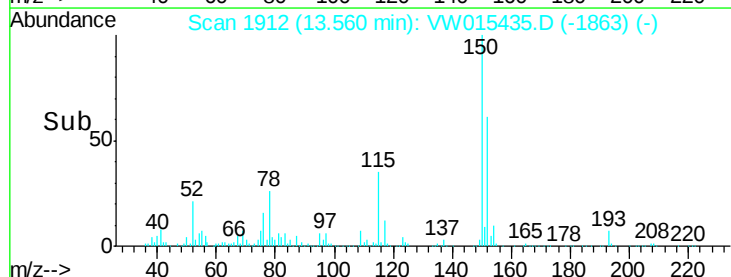
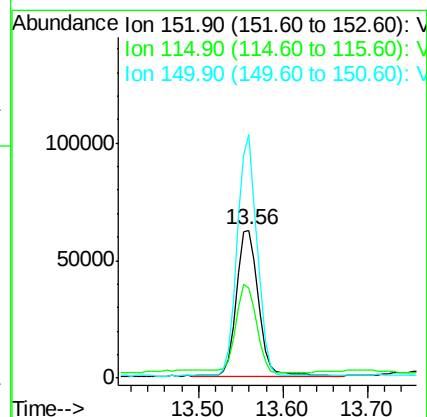
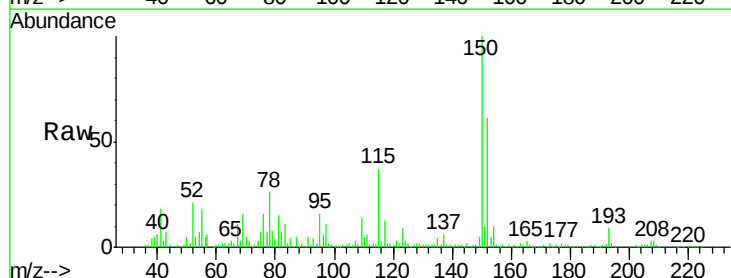
Tgt Ion:152 Resp: 110062

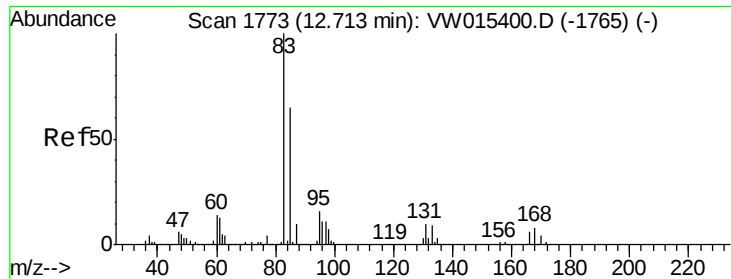
Ion Ratio Lower Upper

152 100

115 56.0 30.3 90.8

150 146.7 0.0 344.4





#75

1,1,2,2-Tetrachloroethane

Concen: 85.780 ug/l

RT: 12.68 min Scan# 1767

Delta R.T. -0.04 min

Lab File: VW015435.D

Acq: 15 May 2020 15:44

Instrument :

MSVOA_W

ClientSampleId :

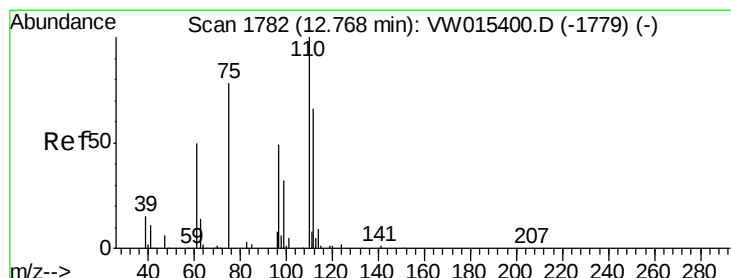
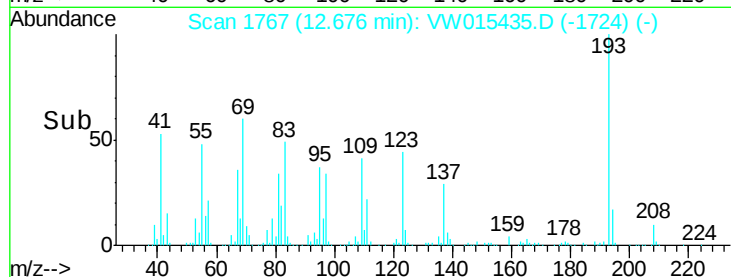
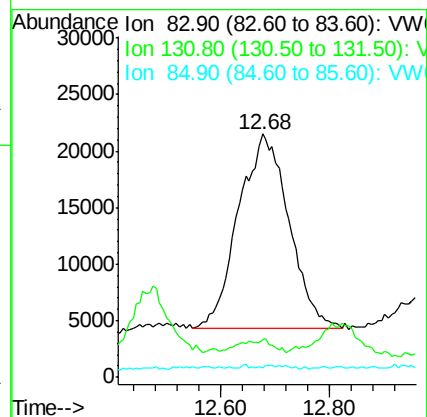
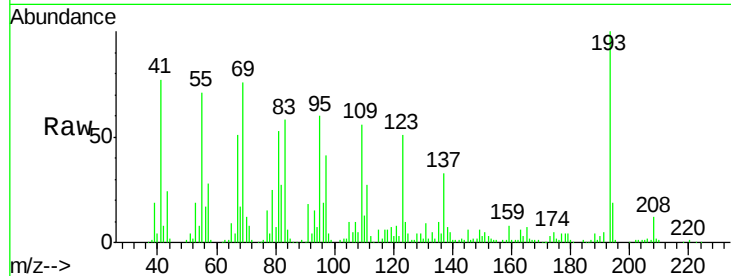
Tot Ion: 83 Resp: 110262

Ion Ratio Lower Upper

83 100

131 4.5 5.1 15.2#

85 1.1 32.2 96.6#



#76

1,2,3-Trichloropropane

Concen: 74.899 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW015435.D

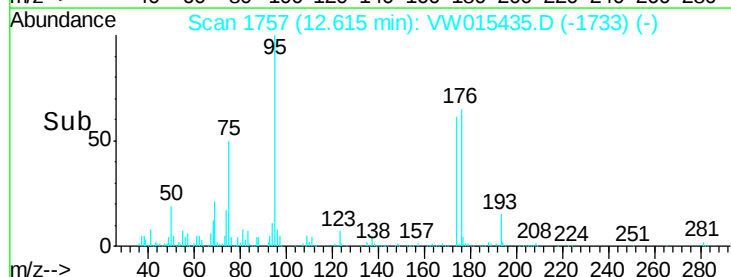
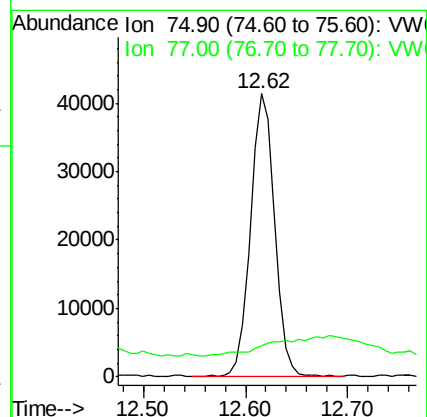
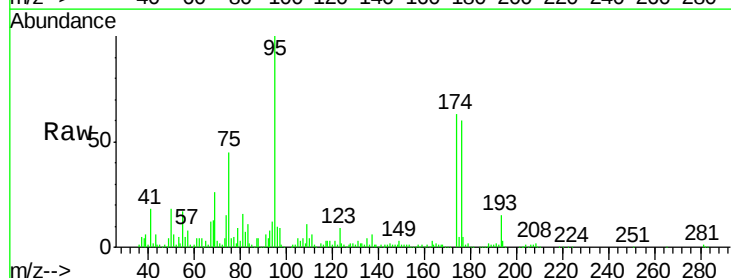
Acq: 15 May 2020 15:44

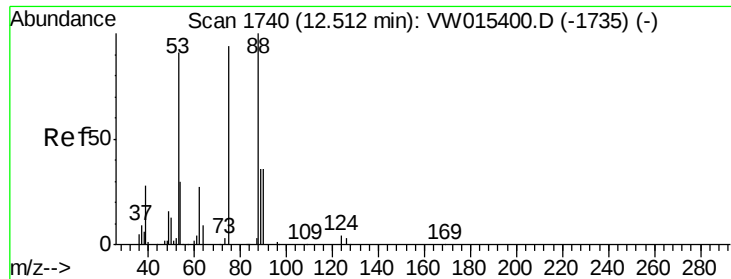
Tgt Ion: 75 Resp: 67815

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#81

trans-1,4-Dichloro-2-butene

Concen: 148.151 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW015435.D

Acq: 15 May 2020 15:44

Instrument :

MSVOA_W

ClientSampleId :

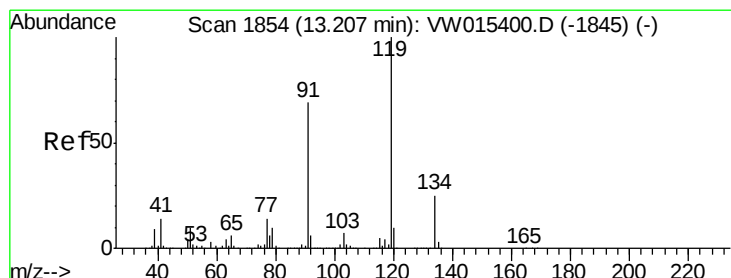
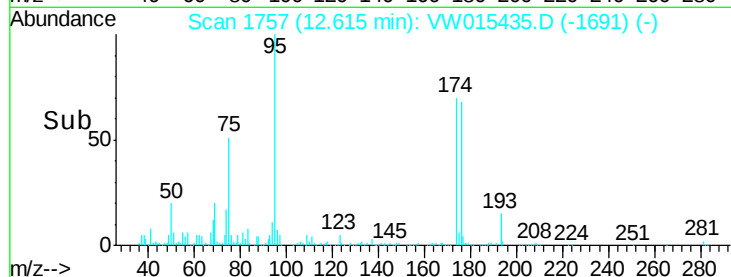
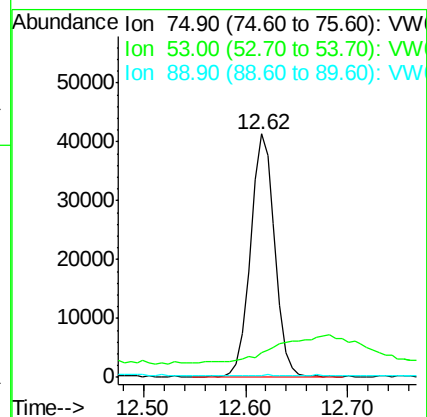
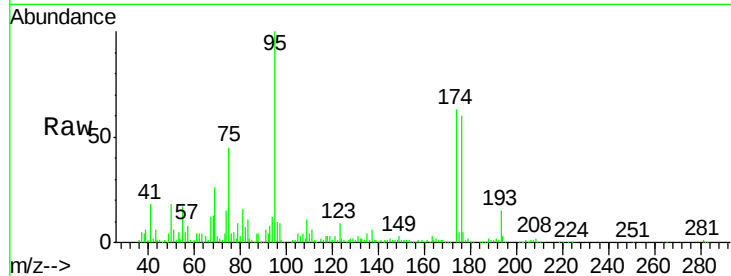
Tot Ion: 75 Resp: 67815

Ion Ratio Lower Upper

75 100

53 0.0 82.5 123.7#

89 0.4 35.8 53.8#



#83

tert-Butylbenzene

Concen: 1.936 ug/l

RT: 13.20 min Scan# 1853

Delta R.T. -0.01 min

Lab File: VW015435.D

Acq: 15 May 2020 15:44

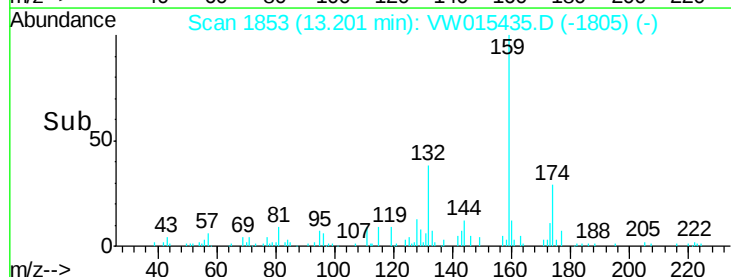
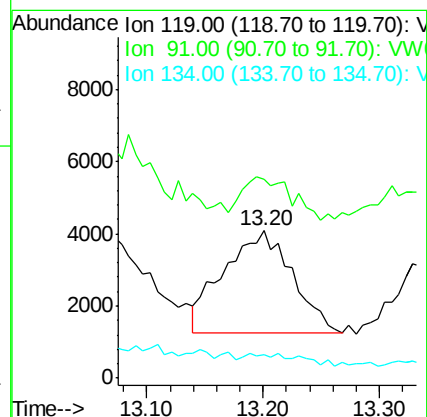
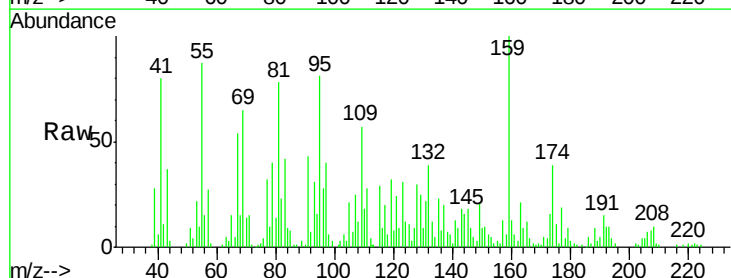
Tgt Ion: 119 Resp: 11432

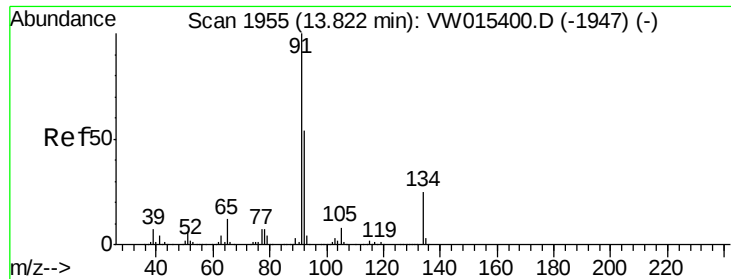
Ion Ratio Lower Upper

119 100

91 30.3 33.8 101.4#

134 1.7 12.3 36.9#

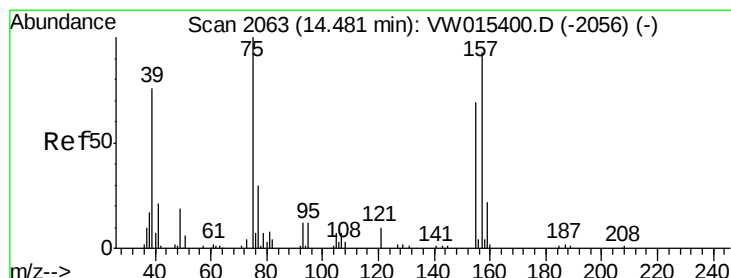
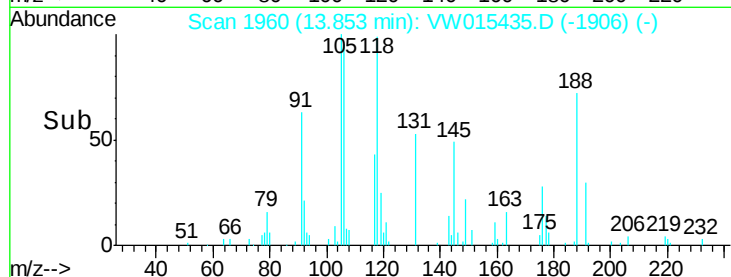
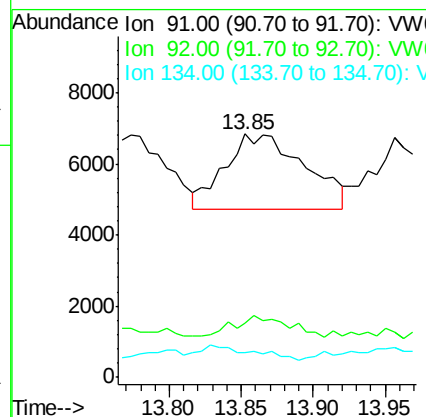
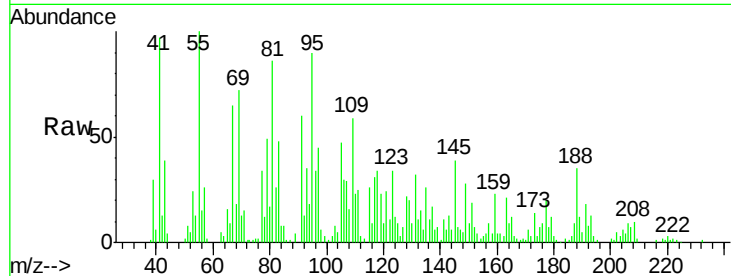




#89
n-Butylbenzene
Concen: 1.098 ug/l
RT: 13.85 min Scan# 1960
Delta R.T. 0.03 min
Lab File: VW015435.D
Acq: 15 May 2020 15:44

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 91 Resp: 8158
Ion Ratio Lower Upper
91 100
92 18.5 27.2 81.6#
134 0.0 12.6 37.6#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.101 ug/l
RT: 14.51 min Scan# 2067
Delta R.T. 0.02 min
Lab File: VW015435.D
Acq: 15 May 2020 15:44

Tgt Ion: 75 Resp: 247
Ion Ratio Lower Upper
75 100
155 0.0 38.7 116.1#
157 0.0 48.1 144.4#

