

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW042120\
 Data File : VW015269.D
 Acq On : 21 Apr 2020 18:03
 Operator : SY/VA
 Sample : L2314-03
 Misc : 4.98G/5ML/MSVOA W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Apr 22 06:00:10 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	132778	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	189918	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	164627	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	66011	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	55506	51.12	ug/l	0.00
Spiked Amount			Recovery	=	102.24%	
35) Dibromofluoromethane	7.88	113	53548	50.90	ug/l	0.00
Spiked Amount			Recovery	=	101.80%	
50) Toluene-d8	10.32	98	221869	50.14	ug/l	0.00
Spiked Amount			Recovery	=	100.28%	
62) 4-Bromofluorobenzene	12.62	95	74830	44.32	ug/l	0.00
Spiked Amount			Recovery	=	88.64%	

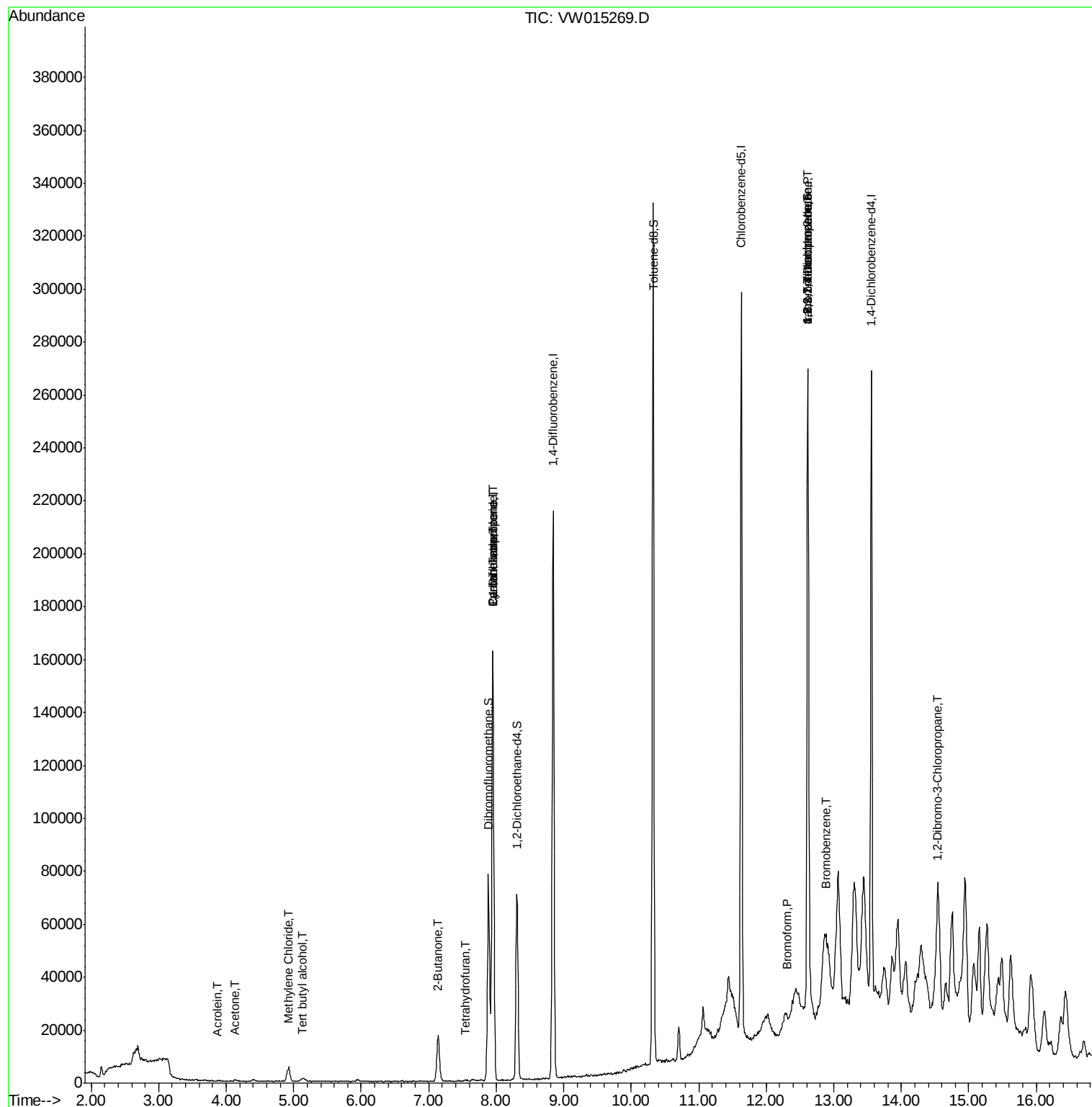
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.13	59	1497	16.913	ug/l #	72
13) Acrolein	3.86	56	49	1.058	ug/l #	69
16) Acetone	4.14	43	360	1.898	ug/l #	71
20) Methylene Chloride	4.92	84	4321	3.477	ug/l #	89
25) 2-Butanone	7.14	43	1642	6.526	ug/l #	48
29) Tetrahydrofuran	7.54	42	219	1.397	ug/l #	44
31) Cyclohexane	7.95	56	2644	1.317	ug/l #	29
36) 1,1-Dichloropropene	7.95	75	8670	5.058	ug/l #	50
38) Carbon Tetrachloride	7.95	117	11898	6.352	ug/l #	18
71) Bromoform	12.31	173	859	1.313	ug/l #	27
75) 1,1,2,2-Tetrachloroethane	12.62	83	6883	10.592	ug/l #	31
76) 1,2,3-Trichloropropane	12.62	75	35544	69.603	ug/l #	100
77) Bromobenzene	12.88	156	49381	46.961	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	35544	152.153	ug/l #	16
92) 1,2-Dibromo-3-Chloropropan	14.52	75	920	7.823	ug/l #	2

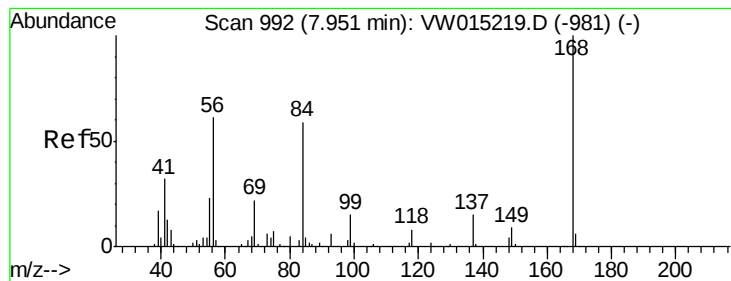
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042120\
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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: VW015269.D

Acq: 21 Apr 2020 18:03

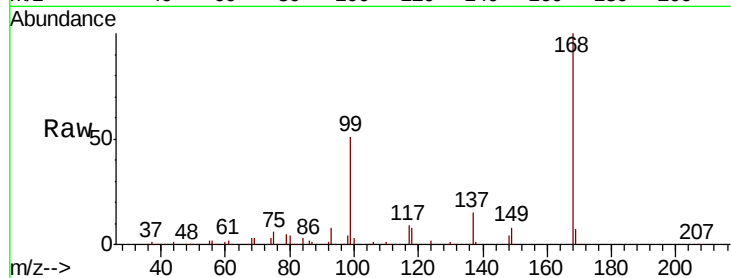
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 132778

Ion Ratio Lower Upper

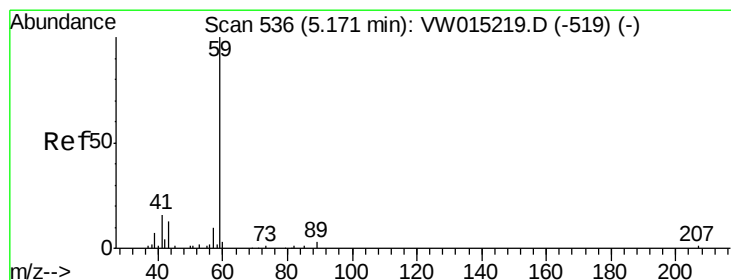
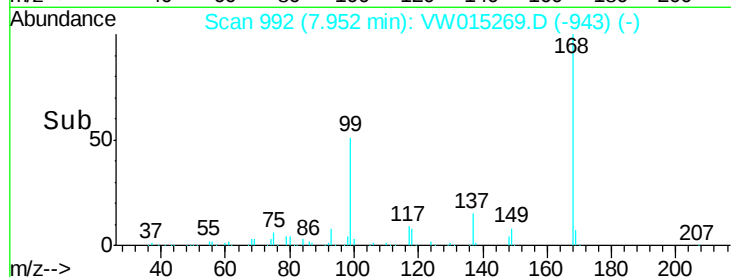
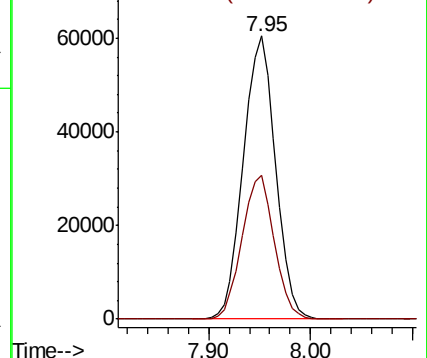
168 100

99 50.6 48.5 72.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 16.913 ug/l

RT: 5.13 min Scan# 529

Delta R.T. -0.04 min

Lab File: VW015269.D

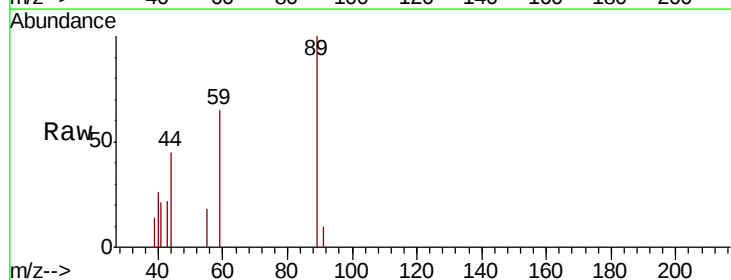
Acq: 21 Apr 2020 18:03

Tgt Ion: 59 Resp: 1497

Ion Ratio Lower Upper

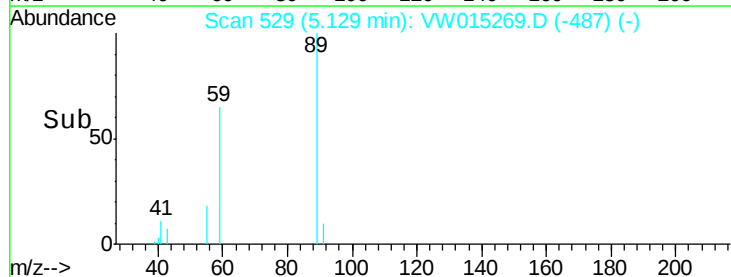
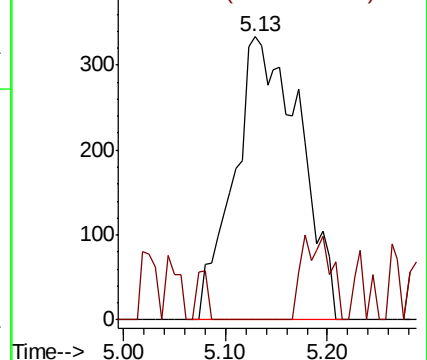
59 100

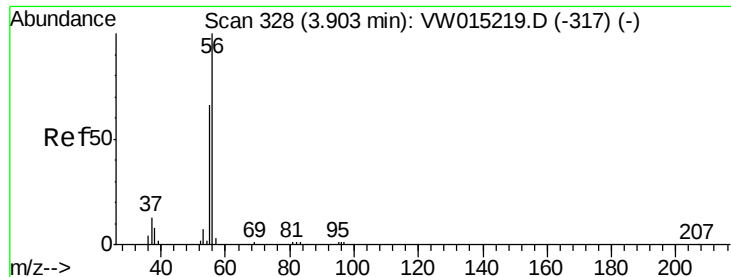
57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: 1.058 ug/l

RT: 3.86 min Scan# 321

Delta R.T. -0.04 min

Lab File: VW015269.D

Acq: 21 Apr 2020 18:03

Instrument :

MSVOA_W

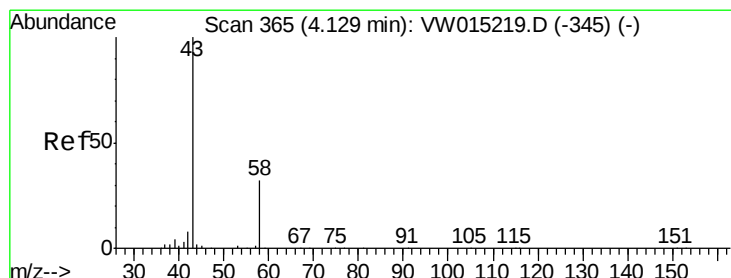
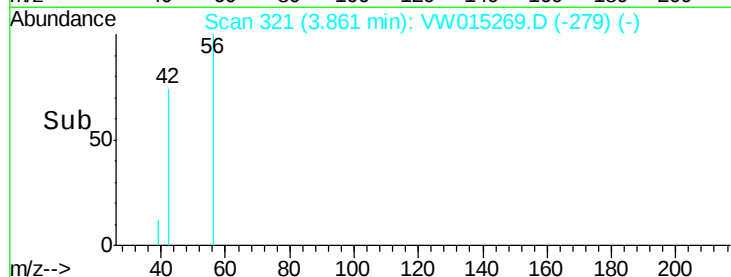
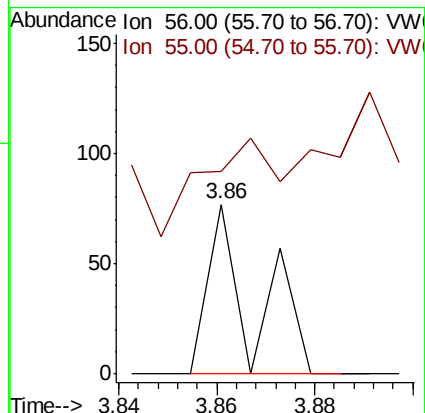
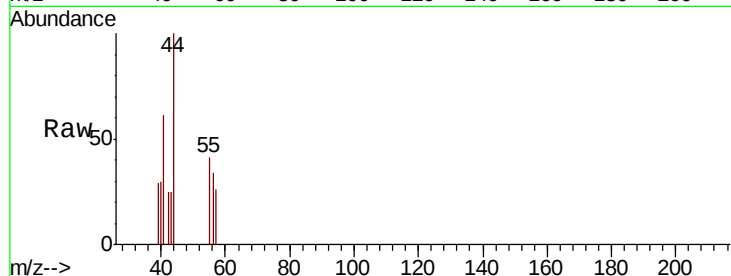
ClientSampled :

Tot Ion: 56 Resp: 49

Ion Ratio Lower Upper

56 100

55 95.9 56.2 84.2#



#16

Acetone

Concen: 1.898 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW015269.D

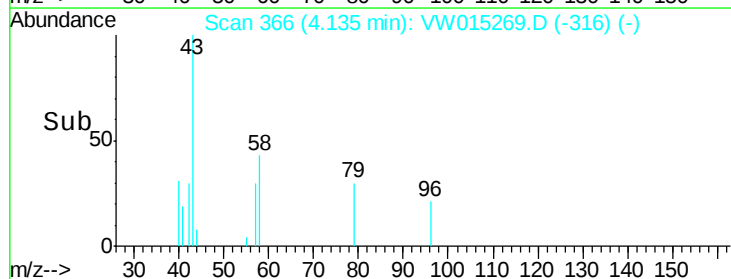
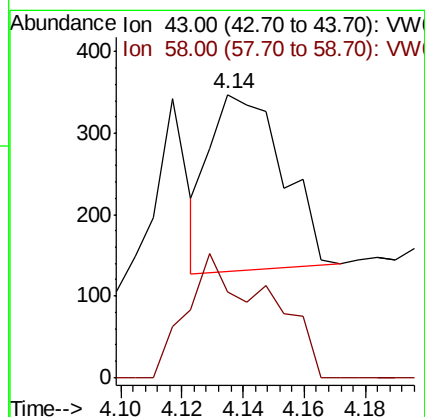
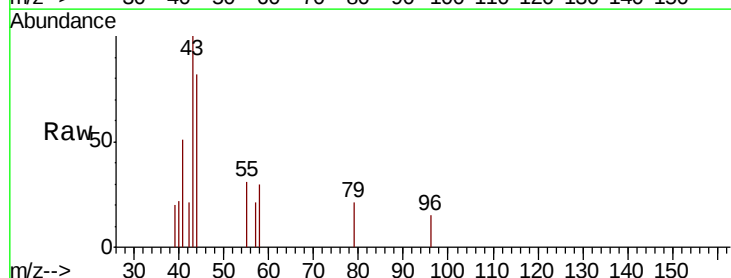
Acq: 21 Apr 2020 18:03

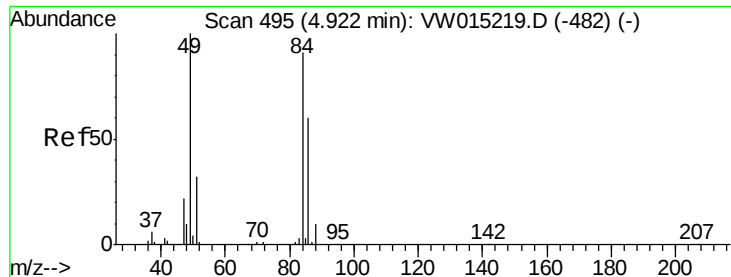
Tgt Ion: 43 Resp: 360

Ion Ratio Lower Upper

43 100

58 50.2 27.0 40.4#

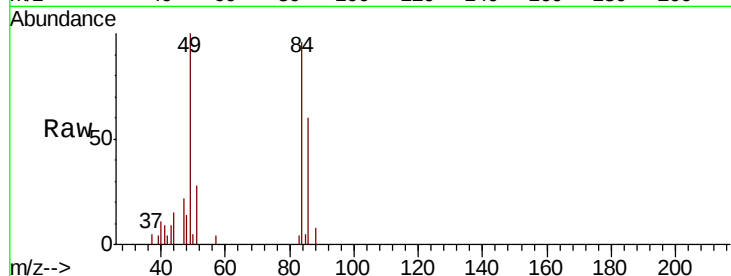




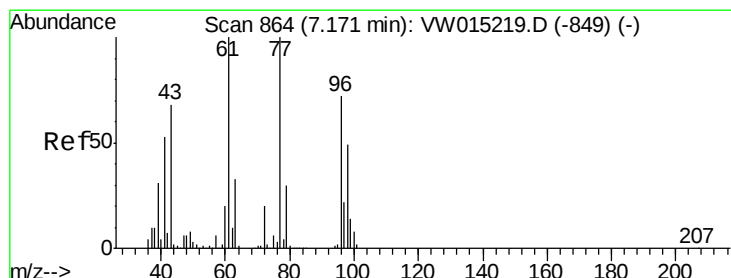
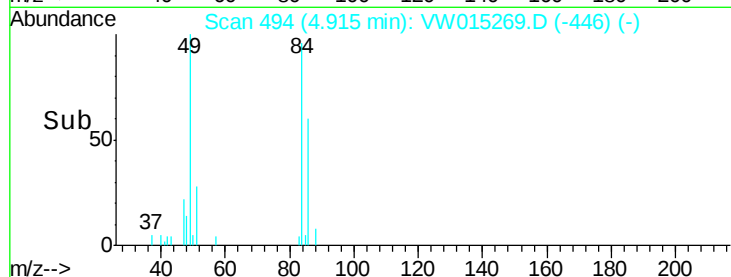
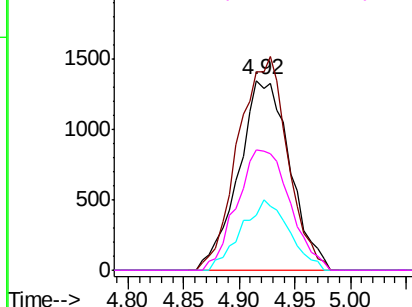
#20
Methvlene Chloride
Concen: 3.477 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW015269.D
Acq: 21 Apr 2020 18:03

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 84 Resp: 4321
Ion Ratio Lower Upper
84 100
49 104.5 95.4 143.0
51 29.1 29.8 44.8#
86 63.2 47.4 71.0

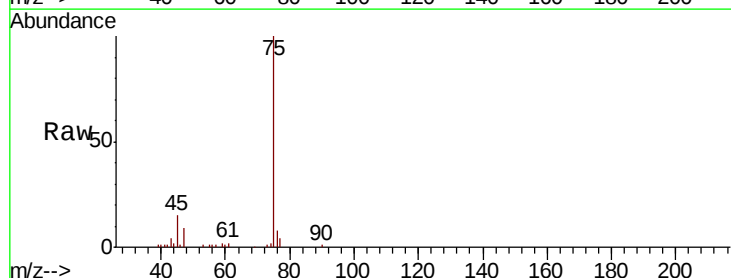


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

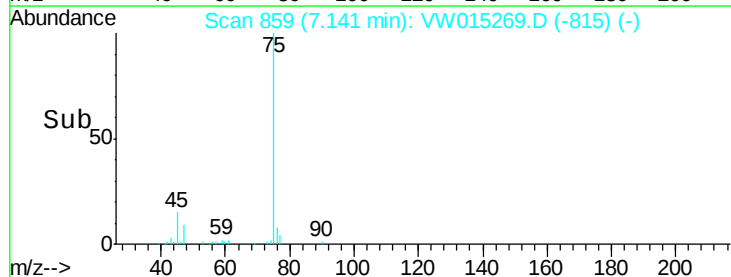
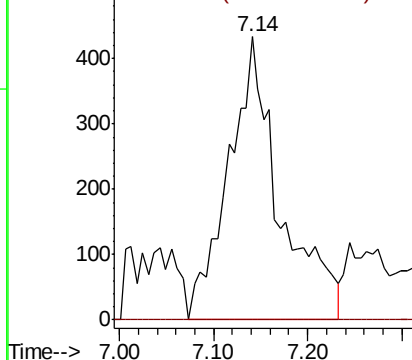


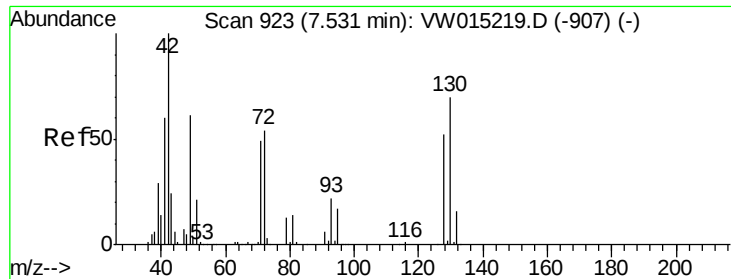
#25
2-Butanone
Concen: 6.526 ug/l
RT: 7.14 min Scan# 859
Delta R.T. -0.03 min
Lab File: VW015269.D
Acq: 21 Apr 2020 18:03

Tgt Ion: 43 Resp: 1642
Ion Ratio Lower Upper
43 100
72 0.0 21.6 32.4#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW

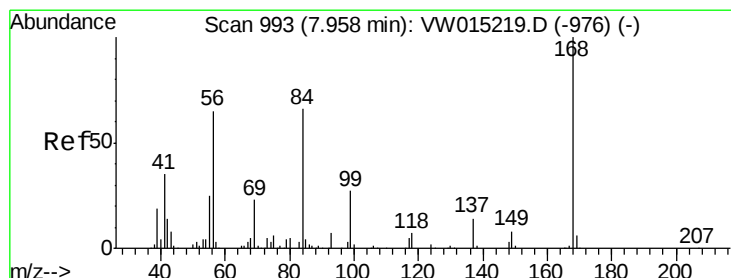
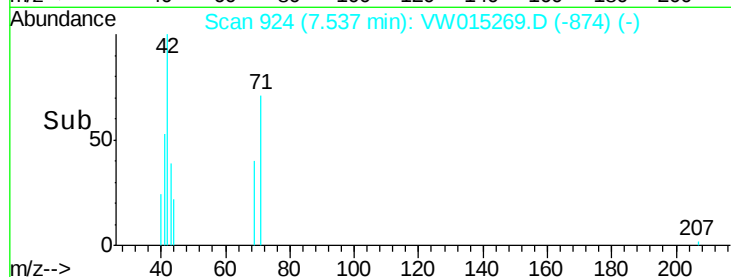
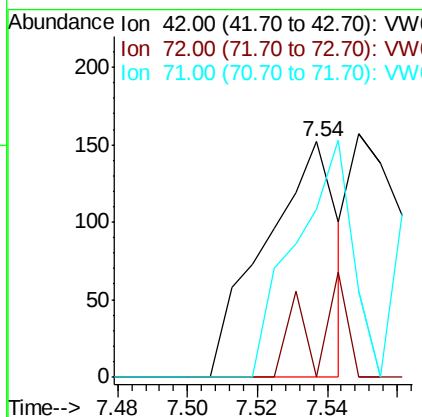
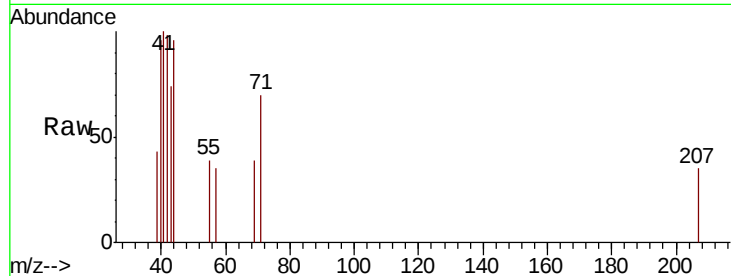




#29
Tetrahydrofuran
Concen: 1.397 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW015269.D
Acq: 21 Apr 2020 18:03

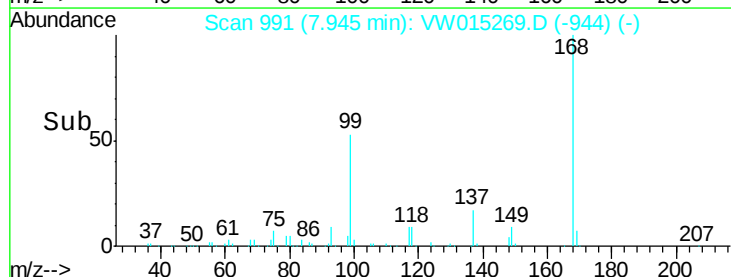
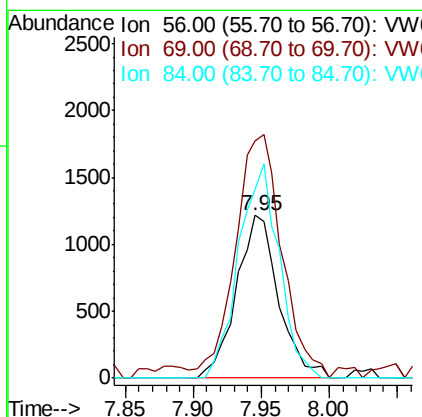
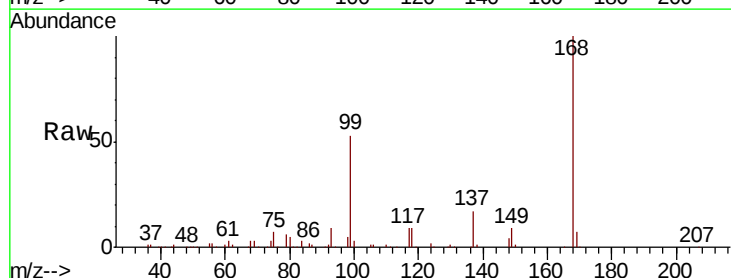
Instrument :
MSVOA_W
ClientSampleId :

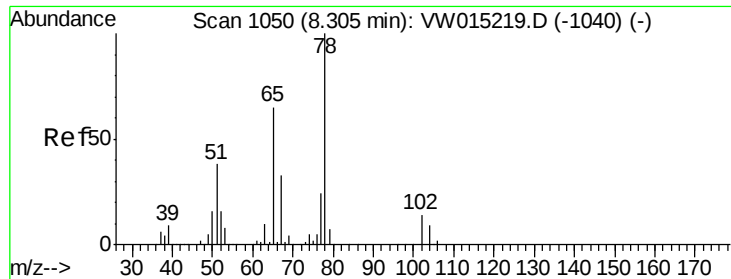
Tot Ion: 42 Resp: 219
Ion Ratio Lower Upper
42 100
72 9.1 36.2 54.2#
71 79.0 34.2 51.4#



#31
Cyclohexane
Concen: 1.317 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW015269.D
Acq: 21 Apr 2020 18:03

Tgt Ion: 56 Resp: 2644
Ion Ratio Lower Upper
56 100
69 141.2 27.1 40.7#
84 115.6 71.9 107.9#





#33

1,2-Dichloroethane-d4

Concen: 51.120 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW015269.D

Acq: 21 Apr 2020 18:03

Instrument :

MSVOA_W

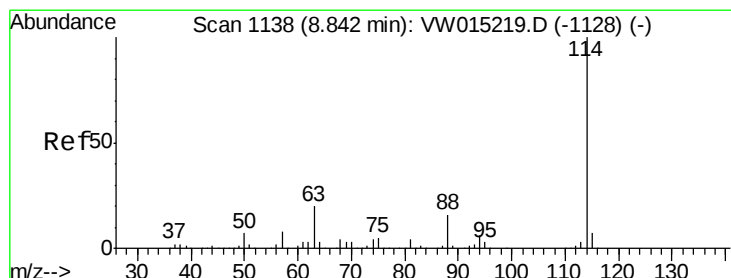
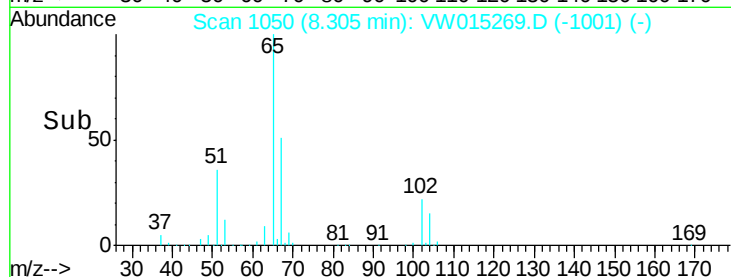
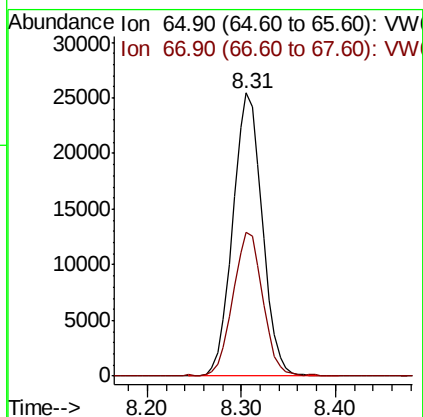
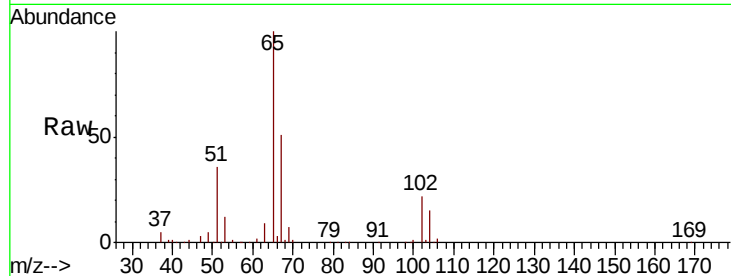
ClientSampled :

Tot Ion: 65 Resp: 55506

Ion Ratio Lower Upper

65 100

67 51.8 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: VW015269.D

Acq: 21 Apr 2020 18:03

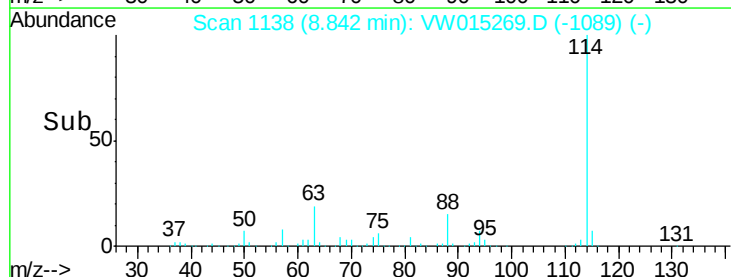
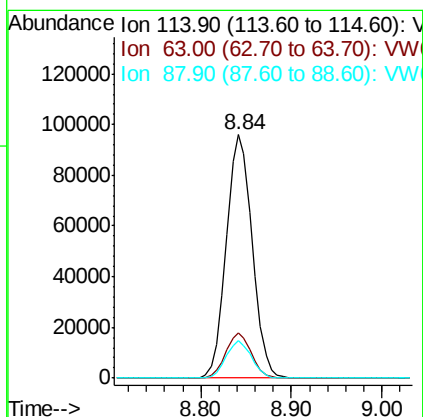
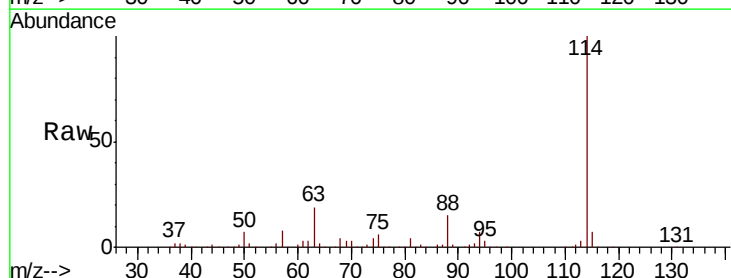
Tgt Ion: 114 Resp: 189918

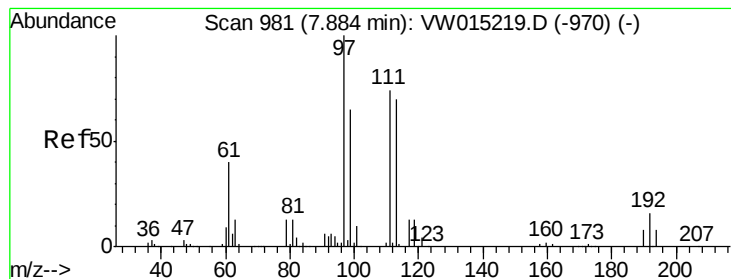
Ion Ratio Lower Upper

114 100

63 18.7 0.0 39.8

88 15.4 0.0 30.2





#35

Dibromofluoromethane

Concen: 50.902 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW015269.D

Acq: 21 Apr 2020 18:03

Instrument :

MSVOA_W

ClientSampleId :

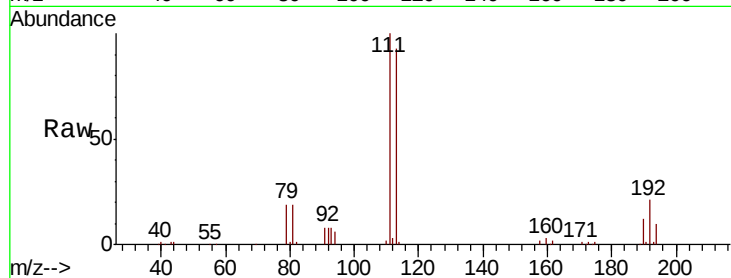
Tot Ion:113 Resp: 53548

Ion Ratio Lower Upper

113 100

111 105.5 83.0 124.4

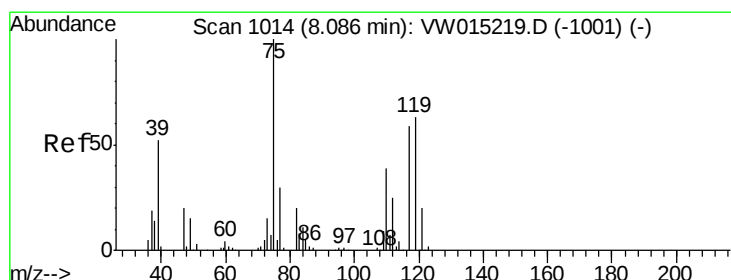
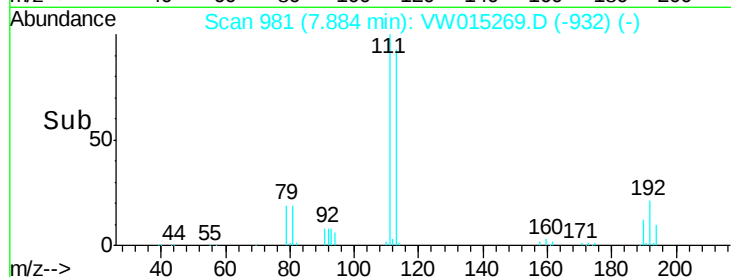
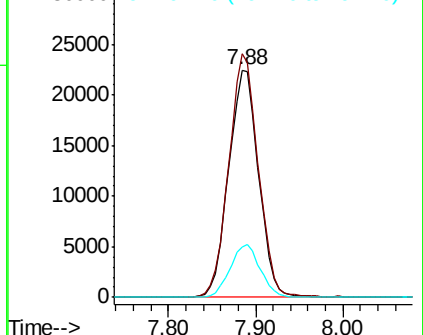
192 23.2 15.1 22.7#



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: 5.058 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.14 min

Lab File: VW015269.D

Acq: 21 Apr 2020 18:03

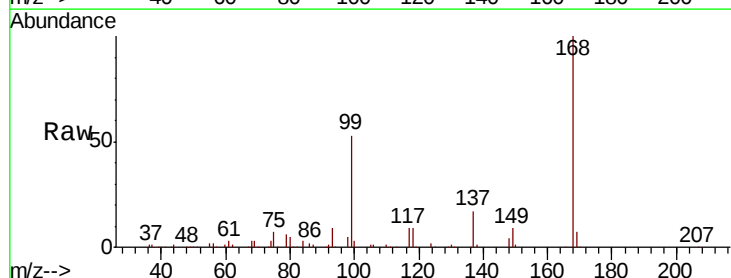
Tgt Ion: 75 Resp: 8670

Ion Ratio Lower Upper

75 100

110 9.7 18.2 54.6#

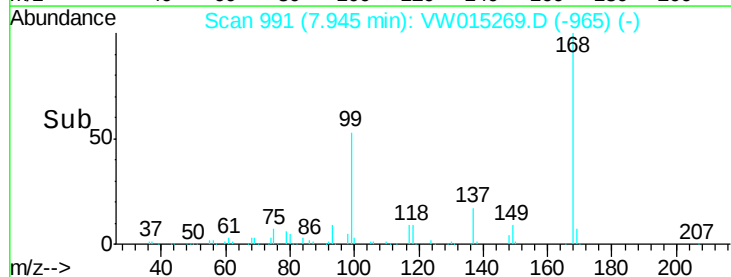
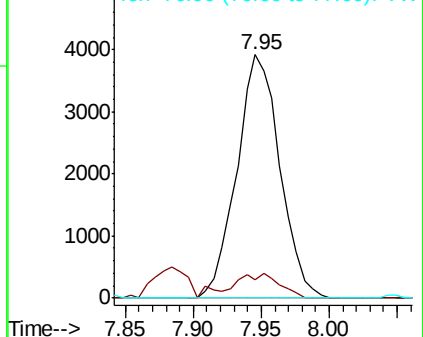
77 0.0 24.5 36.7#

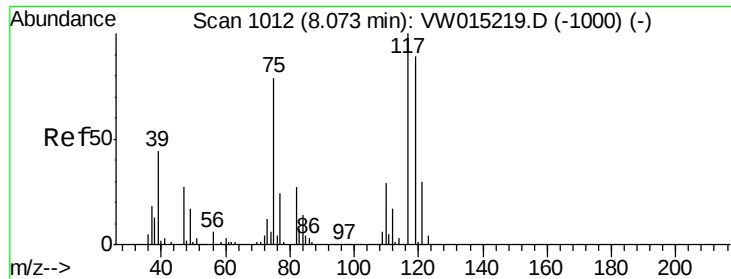


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

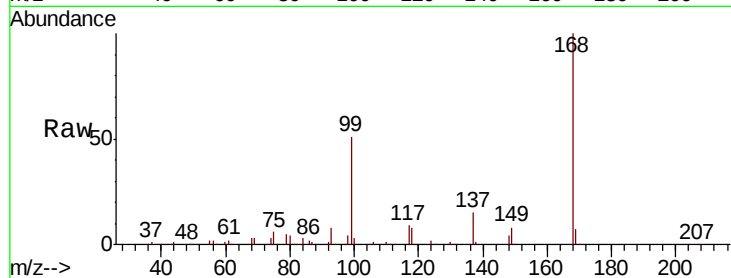




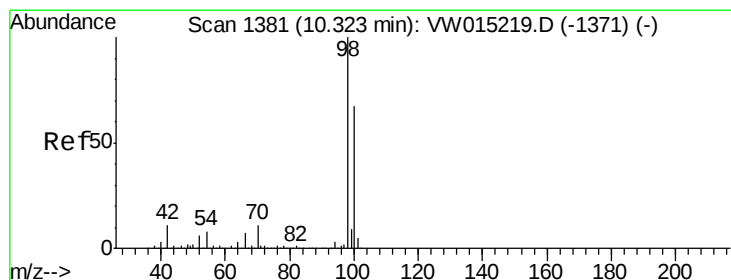
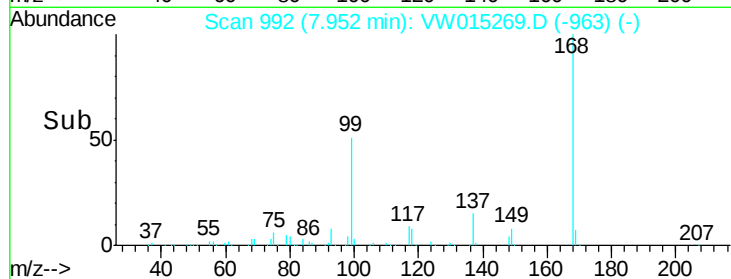
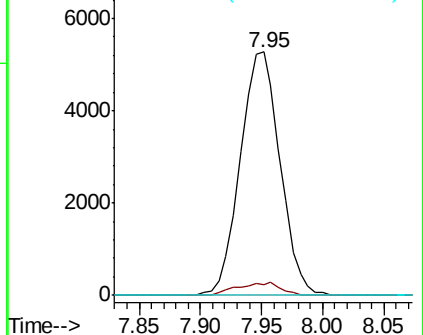
#38
Carbon Tetrachloride
Concen: 6.352 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW015269.D
Acq: 21 Apr 2020 18:03

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 11898
Ion Ratio Lower Upper
117 100
119 4.5 72.3 108.5#
121 0.0 23.7 35.5#

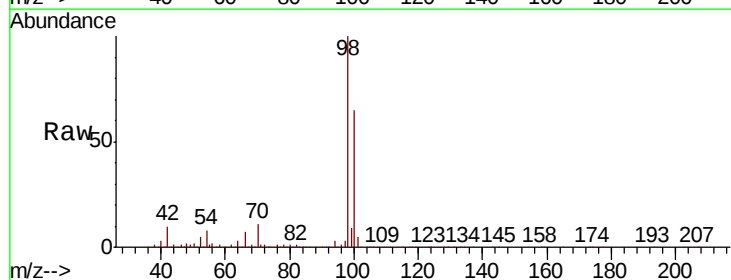


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

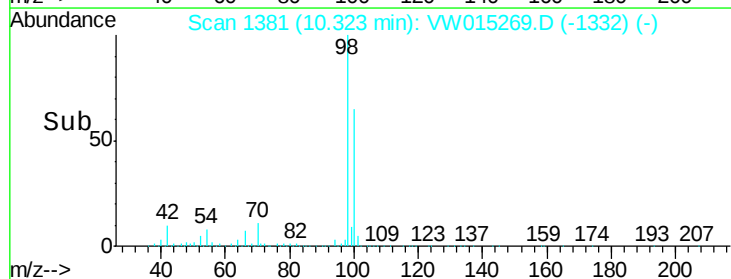
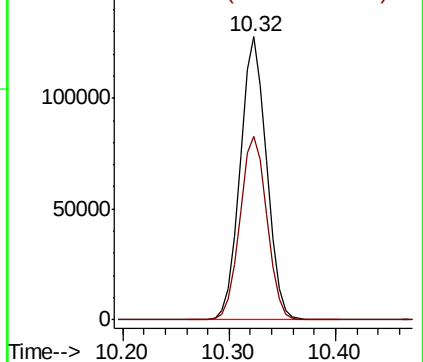


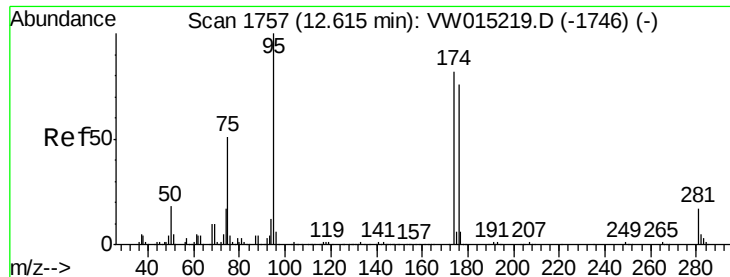
#50
Toluene-d8
Concen: 50.135 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW015269.D
Acq: 21 Apr 2020 18:03

Tgt Ion: 98 Resp: 221869
Ion Ratio Lower Upper
98 100
100 66.6 52.9 79.3



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

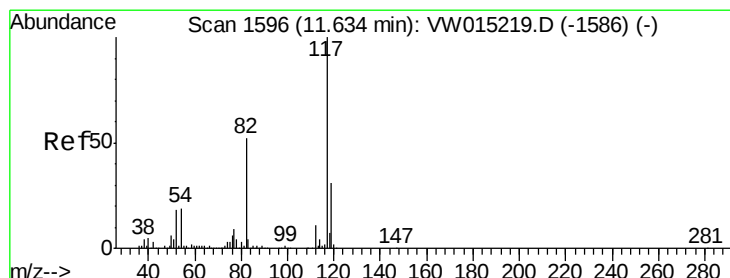
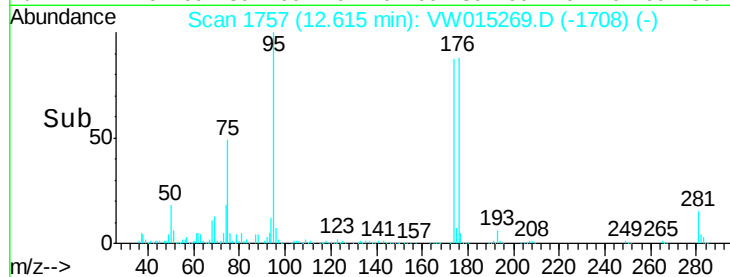
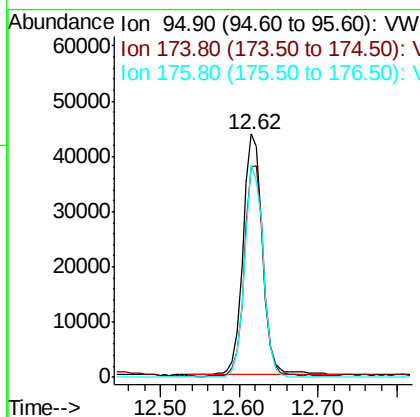
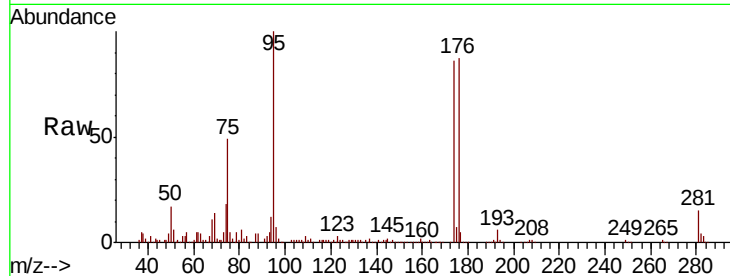




#62
4-Bromofluorobenzene
Concen: 44.317 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW015269.D
Acq: 21 Apr 2020 18:03

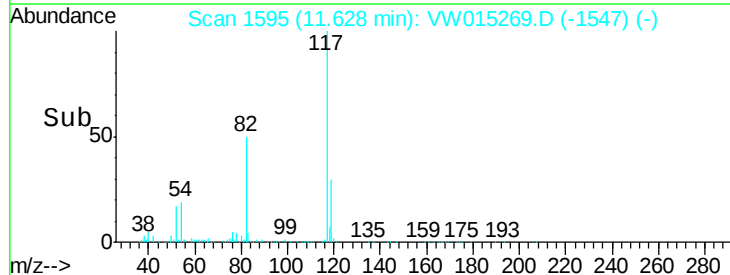
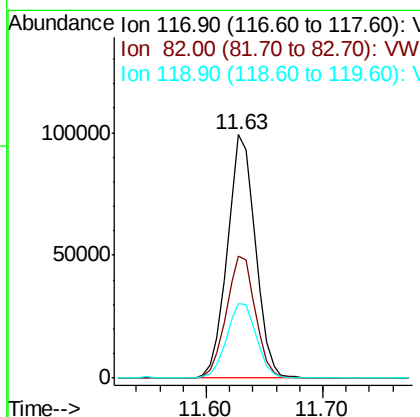
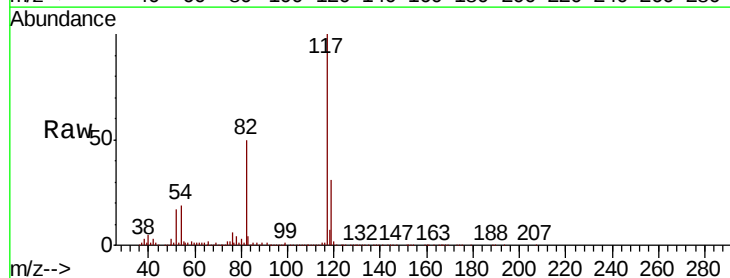
Instrument :
MSVOA_W
ClientSampleId :

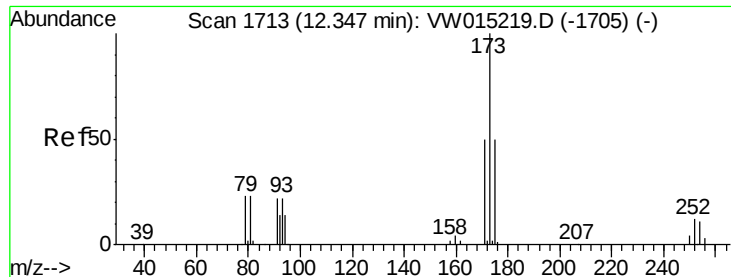
Tot Ion: 95 Resp: 74830
Ion Ratio Lower Upper
95 100
174 86.5 0.0 144.4
176 83.6 0.0 140.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW015269.D
Acq: 21 Apr 2020 18:03

Tgt Ion: 117 Resp: 164627
Ion Ratio Lower Upper
117 100
82 50.1 44.1 66.1
119 30.4 24.9 37.3





#71

Bromoform

Concen: 1.313 ug/l

RT: 12.31 min Scan# 1707

Delta R.T. -0.04 min

Lab File: VW015269.D

Acq: 21 Apr 2020 18:03

Instrument :

MSVOA_W

ClientSampleId :

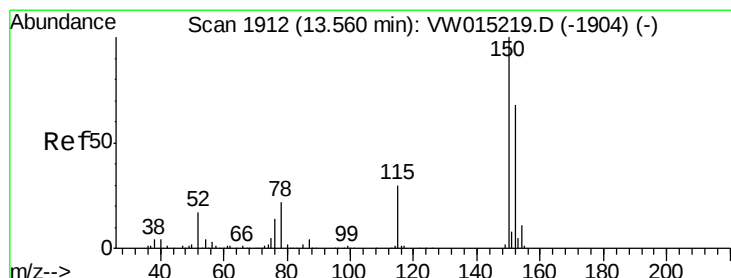
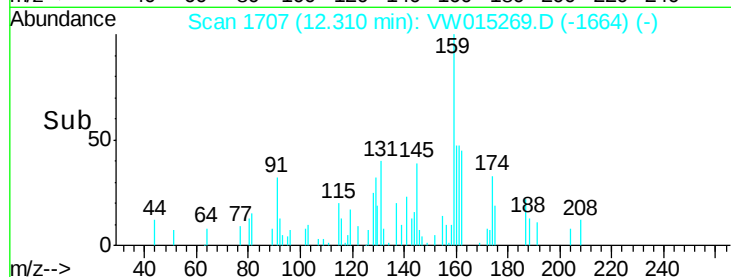
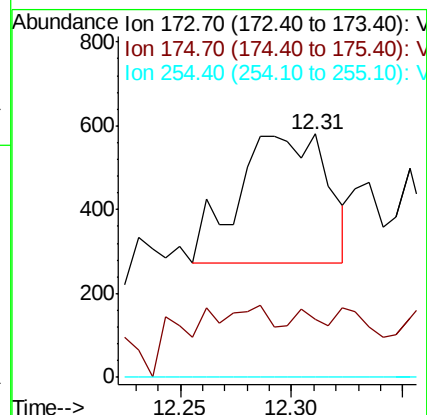
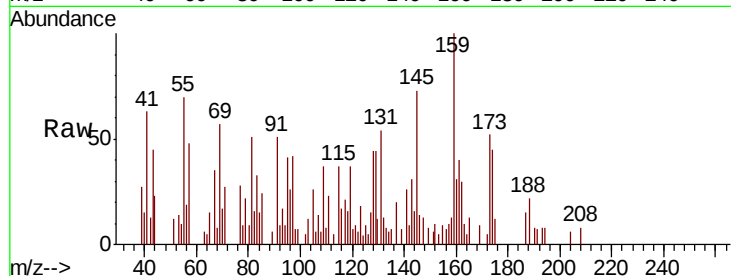
Tot Ion:173 Resp: 859

Ion Ratio Lower Upper

173 100

175 0.0 25.1 75.4#

254 0.0 0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. -0.01 min

Lab File: VW015269.D

Acq: 21 Apr 2020 18:03

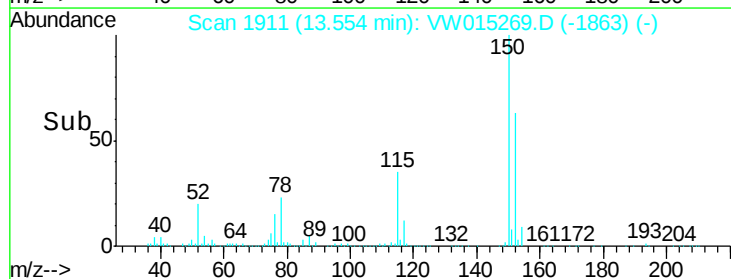
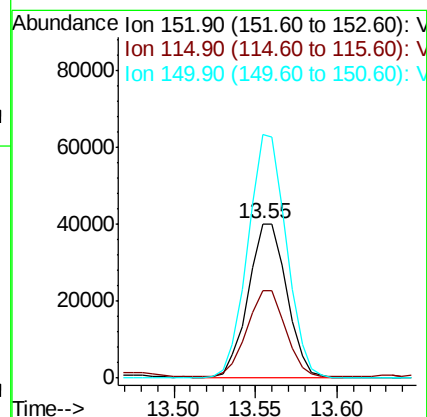
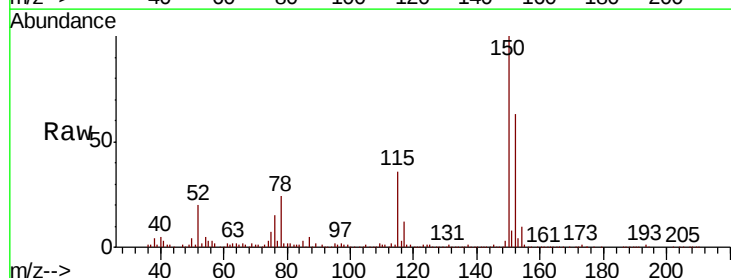
Tgt Ion:152 Resp: 66011

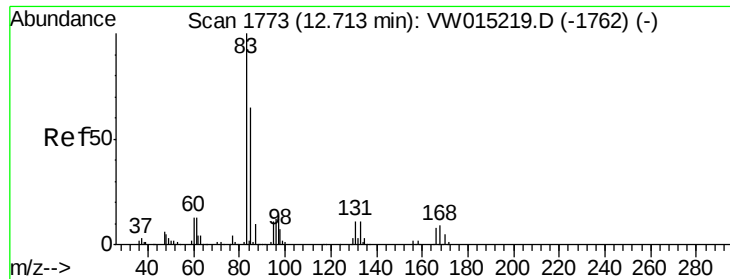
Ion Ratio Lower Upper

152 100

115 55.9 31.3 93.9

150 157.7 0.0 343.4





#75

1,1,2,2-Tetrachloroethane

Concen: 10.592 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.10 min

Lab File: VW015269.D

Acq: 21 Apr 2020 18:03

Instrument :

MSVOA_W

ClientSampleId :

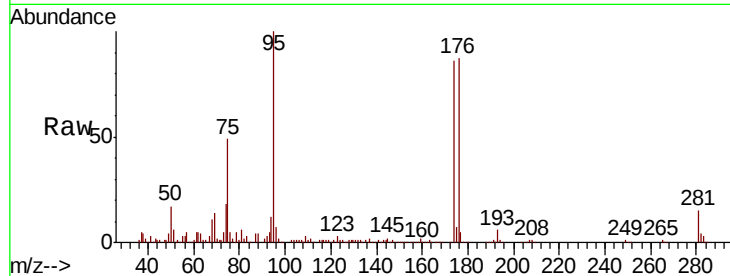
Tot Ion: 83 Resp: 6883

Ion Ratio Lower Upper

83 100

131 12.6 5.1 15.2

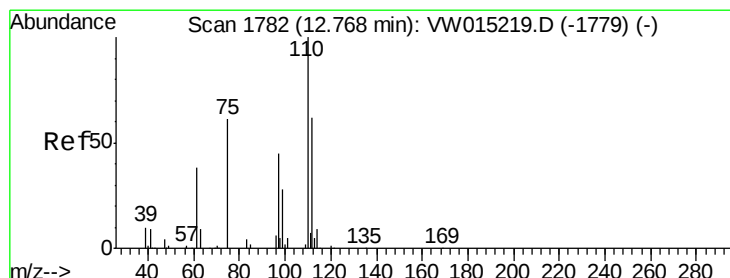
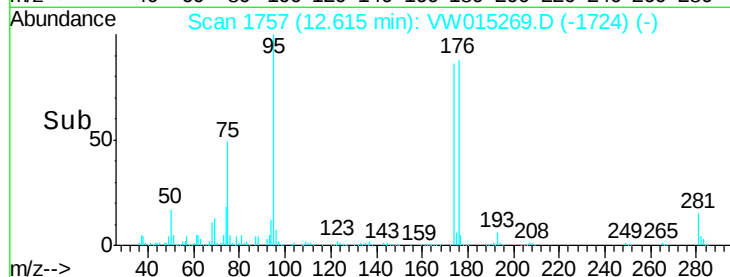
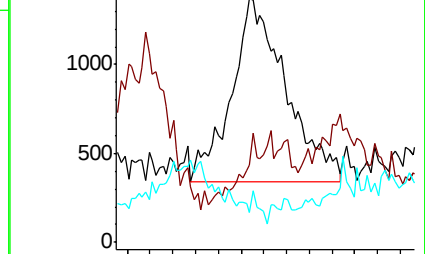
85 2.4 32.3 96.8#



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 69.603 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW015269.D

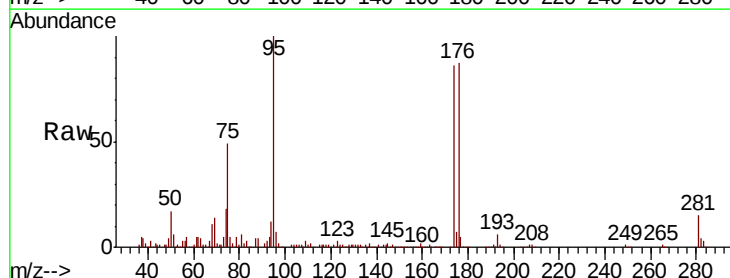
Acq: 21 Apr 2020 18:03

Tgt Ion: 75 Resp: 35544

Ion Ratio Lower Upper

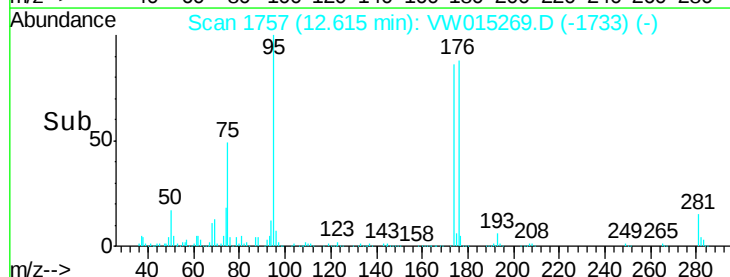
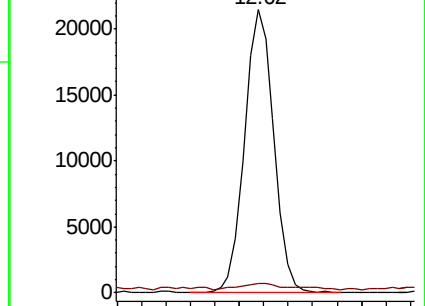
75 100

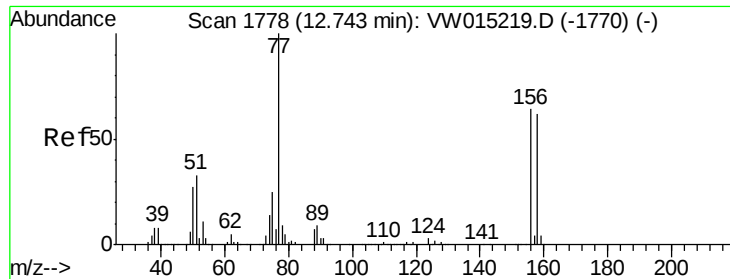
77 2.8 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

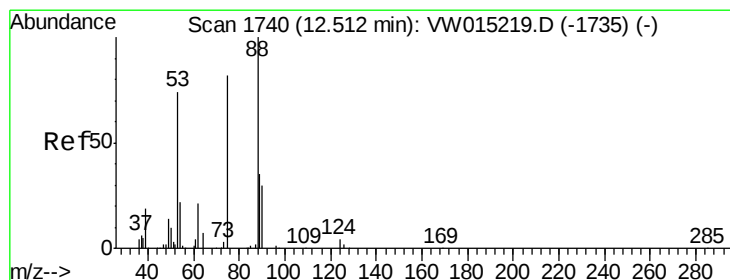
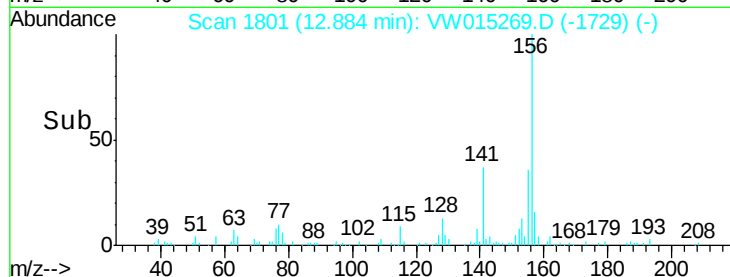
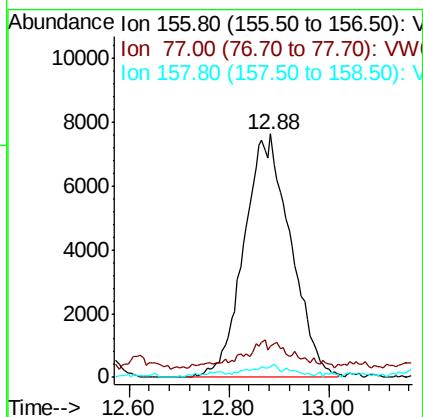
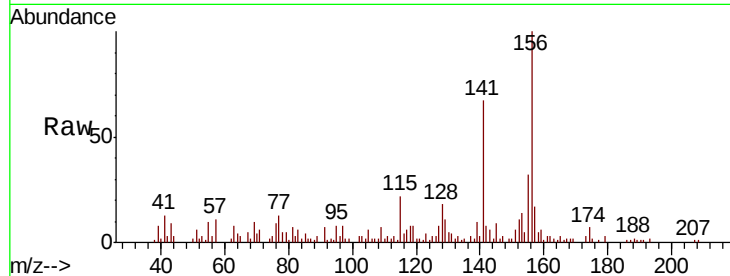




#77
Bromobenzene
Concen: 46.961 ug/l
RT: 12.88 min Scan# 1801
Delta R.T. 0.14 min
Lab File: VW015269.D
Acq: 21 Apr 2020 18:03

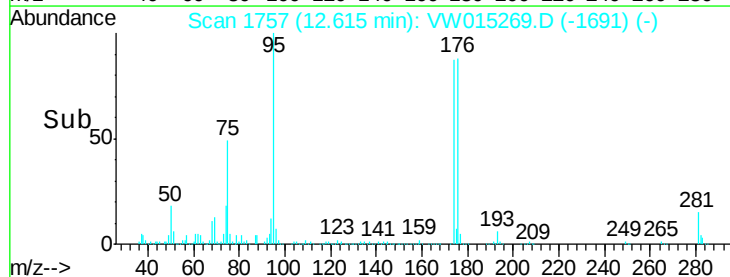
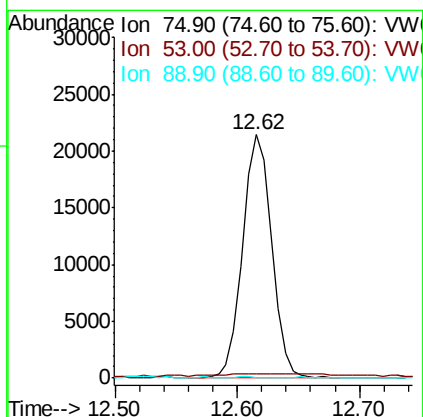
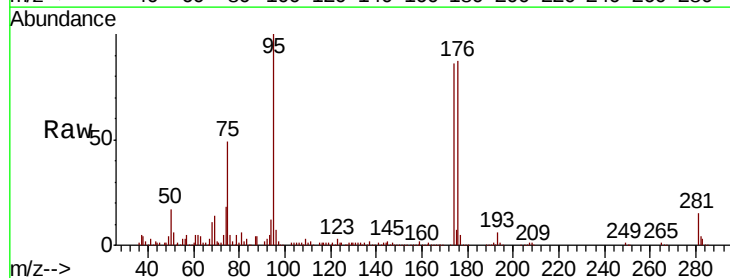
Instrument :
MSVOA_W
ClientSampleId :

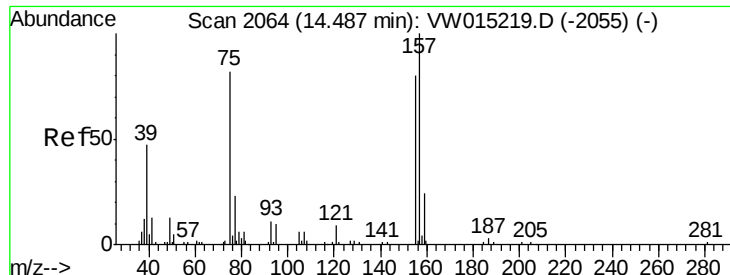
Tot Ion:156 Resp: 49381
Ion Ratio Lower Upper
156 100
77 0.0 100.5 301.5#
158 0.4 47.9 143.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 152.153 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW015269.D
Acq: 21 Apr 2020 18:03

Tgt Ion: 75 Resp: 35544
Ion Ratio Lower Upper
75 100
53 1.2 69.4 104.2#
89 0.4 34.8 52.2#





#92

1,2-Dibromo-3-Chloropropane

Concen: 7.823 ug/l

RT: 14.52 min Scan# 2070

Delta R.T. 0.04 min

Lab File: VW015269.D

Acq: 21 Apr 2020 18:03

Instrument :

MSVOA_W

ClientSampleId :

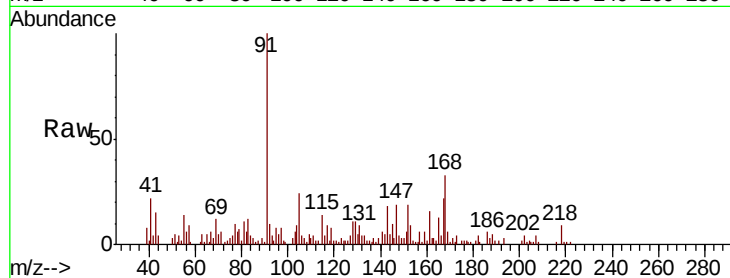
Tot Ion: 75 Resp: 920

Ion Ratio Lower Upper

75 100

155 0.0 41.6 124.9#

157 0.0 53.8 161.2#



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

