

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010820\
 Data File : VW014559.D
 Acq On : 08 Jan 2020 14:37
 Operator : SY/VA
 Sample : L1056-03
 Misc : 8.36G/5ML/MSVOA W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jan 08 15:38:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 03 16:07:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	604312	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	942988	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	673278	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	216454	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	251828	47.66	ug/l	0.00
Spiked Amount			Recovery	=	95.32%	
35) Dibromofluoromethane	7.88	113	258295	47.93	ug/l	0.00
Spiked Amount			Recovery	=	95.86%	
50) Toluene-d8	10.32	98	978519	43.51	ug/l	0.00
Spiked Amount			Recovery	=	87.02%	
62) 4-Bromofluorobenzene	12.62	95	246230	32.28	ug/l	0.00
Spiked Amount			Recovery	=	64.56%	

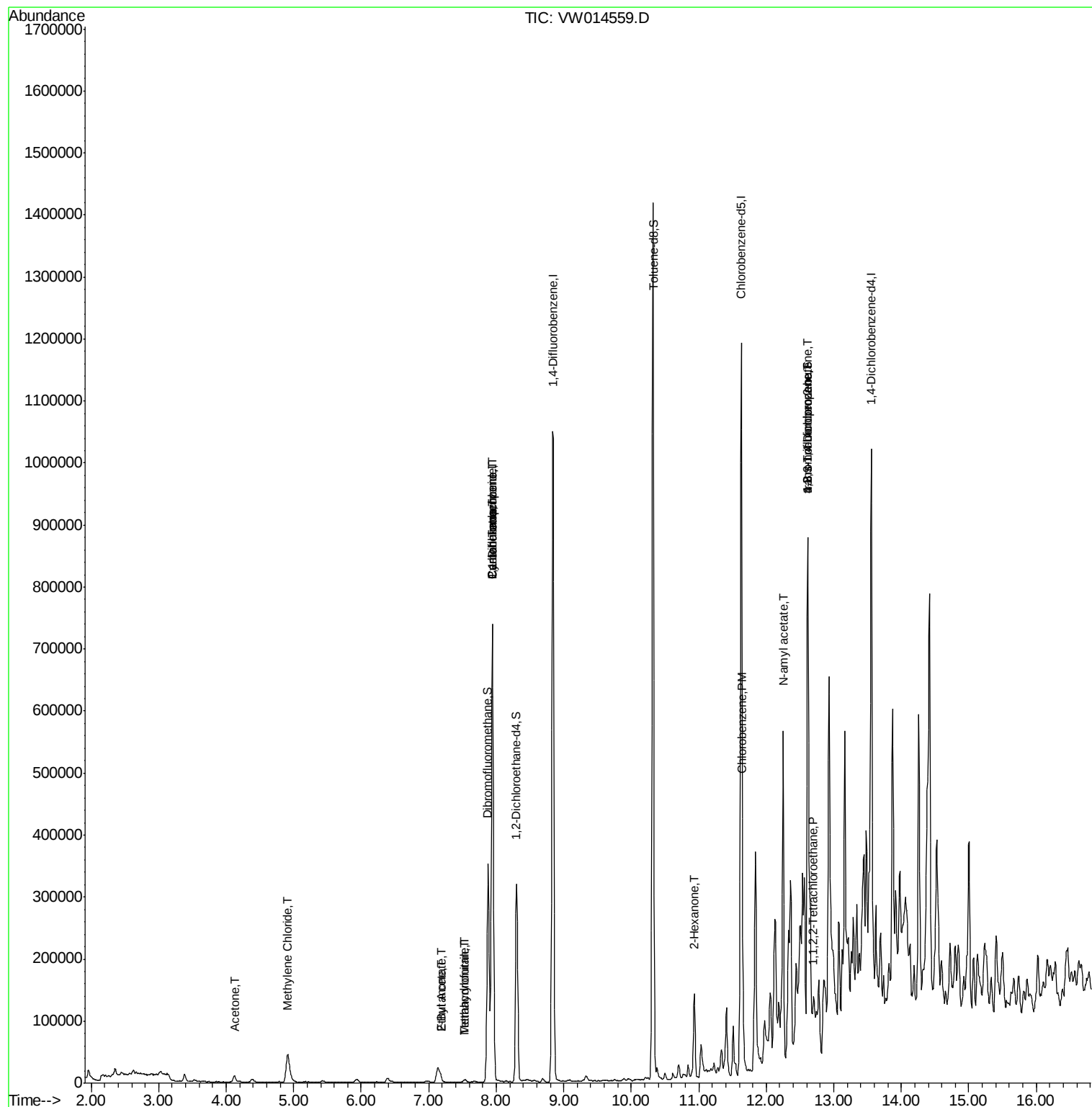
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.16	59	2014	Below Cal	#	77
16) Acetone	4.12	43	19059	12.775	ug/l	99
20) Methylene Chloride	4.92	84	40438	2.400	ug/l	96
25) 2-Butanone	7.19	43	5494	2.870	ug/l #	83
29) Tetrahydrofuran	7.53	42	3513	2.962	ug/l	94
31) Cyclohexane	7.95	56	11568	1.026	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	42087	4.630	ug/l #	49
37) Ethyl Acetate	7.19	43	5494	1.333	ug/l #	67
38) Carbon Tetrachloride	7.95	117	53566	6.792	ug/l #	18
41) Methacrylonitrile	7.52	41	2379	1.035	ug/l #	34
59) 2-Hexanone	10.93	43	47577	17.758	ug/l #	28
65) Chlorobenzene	11.65	112	51027	3.699	ug/l	95
74) N-amyl acetate	12.25	43	103886	29.172	ug/l #	64
75) 1,1,2,2-Tetrachloroethane	12.68	83	9245	3.225	ug/l #	87
76) 1,2,3-Trichloropropane	12.62	75	115015	56.200	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	115015	125.215	ug/l #	15

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

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QLast Update : Fri Jan 03 16:07:20 2020
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW014559.D

Acq: 08 Jan 2020 14:37

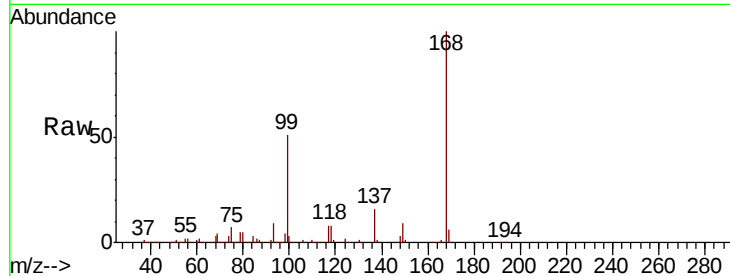
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 604312

Ion Ratio Lower Upper

168 100

99 50.5 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

300000

250000

200000

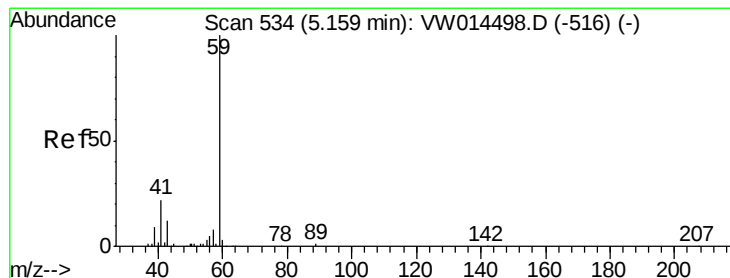
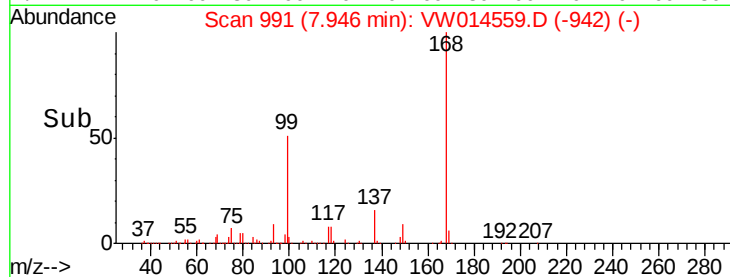
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.16 min Scan# 534

Delta R.T. 0.00 min

Lab File: VW014559.D

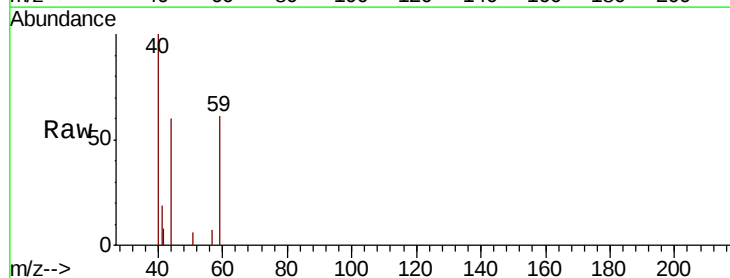
Acq: 08 Jan 2020 14:37

Tgt Ion: 59 Resp: 2014

Ion Ratio Lower Upper

59 100

57 1.1 7.8 11.8#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.16

600

500

400

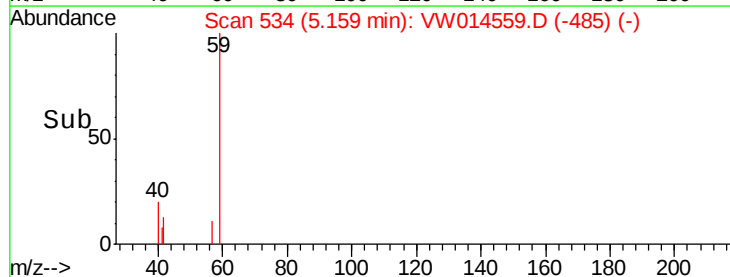
300

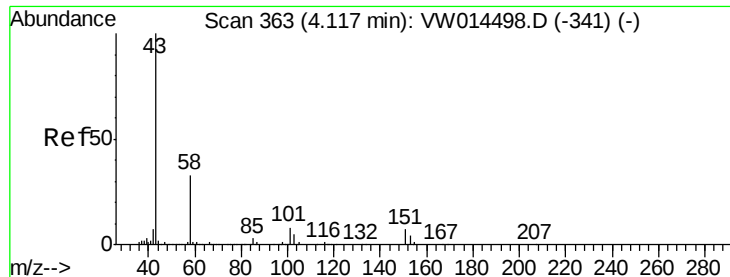
200

100

0

Time--> 5.05 5.10 5.15 5.20 5.25

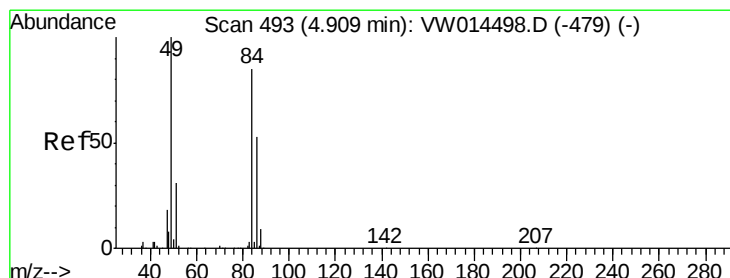
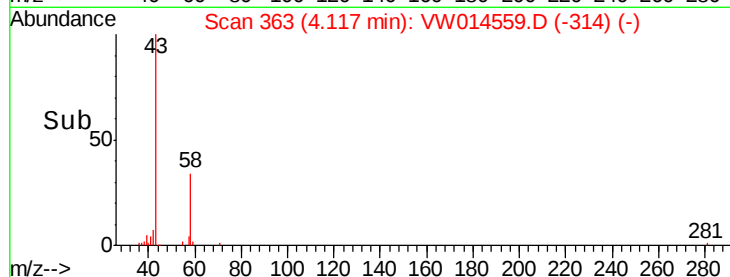
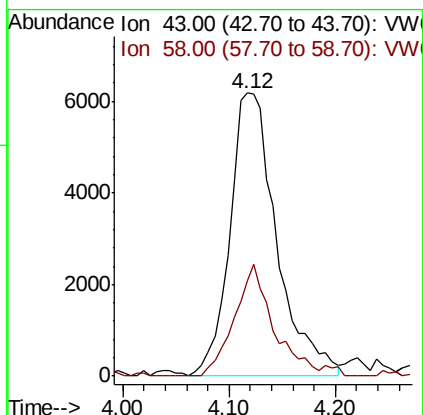
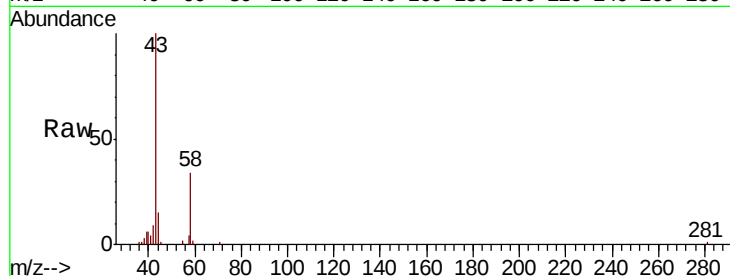




#16
Acetone
Concen: 12.775 ug/l
RT: 4.12 min Scan# 363
Delta R.T. 0.00 min
Lab File: VW014559.D
Acq: 08 Jan 2020 14:37

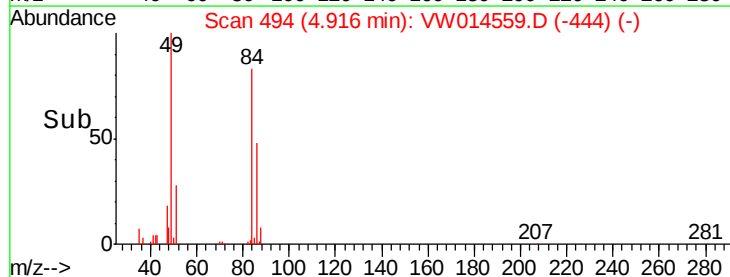
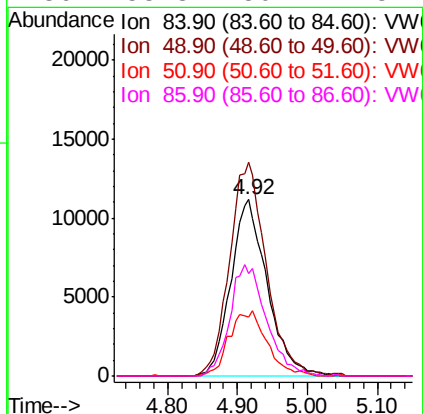
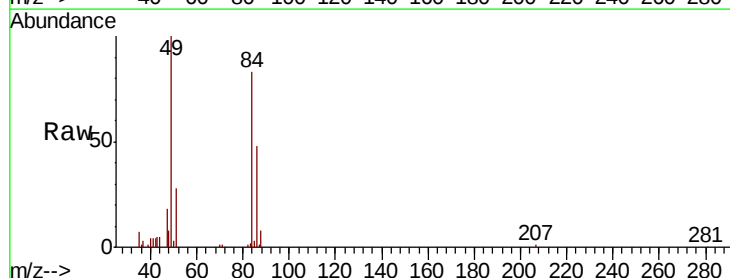
Instrument :
MSVOA_W
ClientSampleId :

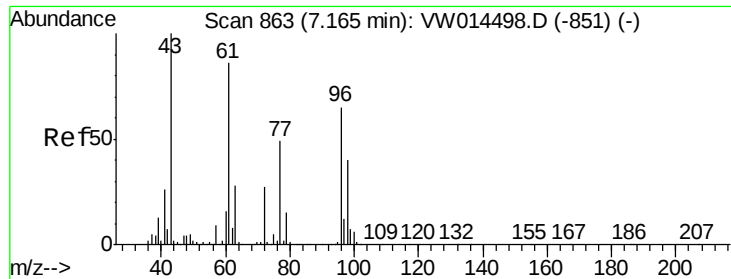
Tot Ion: 43 Resp: 19059
Ion Ratio Lower Upper
43 100
58 33.8 26.6 39.8



#20
Methylene Chloride
Concen: 2.400 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW014559.D
Acq: 08 Jan 2020 14:37

Tgt Ion: 84 Resp: 40438
Ion Ratio Lower Upper
84 100
49 121.2 94.4 141.6
51 33.6 29.5 44.3
86 58.3 50.2 75.2





#25

2-Butanone

Concen: 2.870 ug/l

RT: 7.19 min Scan# 867

Delta R.T. 0.02 min

Lab File: VW014559.D

Acq: 08 Jan 2020 14:37

Instrument :

MSVOA_W

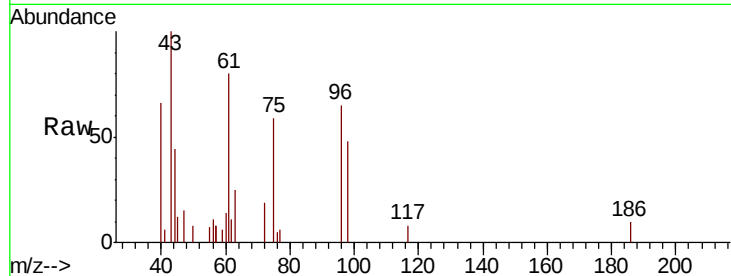
ClientSampled :

Tot Ion: 43 Resp: 5494

Ion Ratio Lower Upper

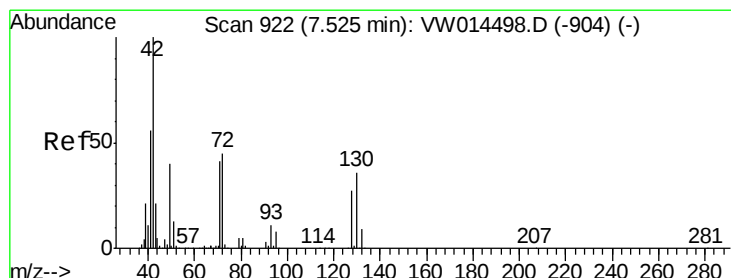
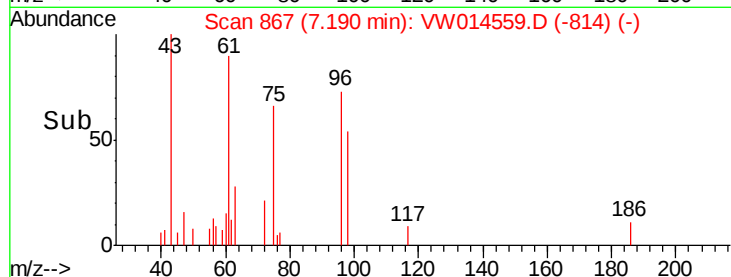
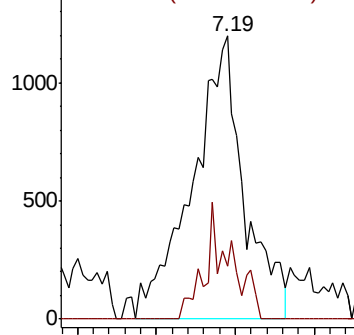
43 100

72 18.6 21.9 32.9#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#29

Tetrahydrofuran

Concen: 2.962 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.01 min

Lab File: VW014559.D

Acq: 08 Jan 2020 14:37

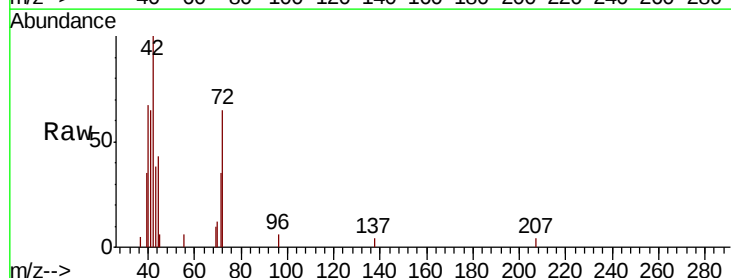
Tgt Ion: 42 Resp: 3513

Ion Ratio Lower Upper

42 100

72 47.1 34.5 51.7

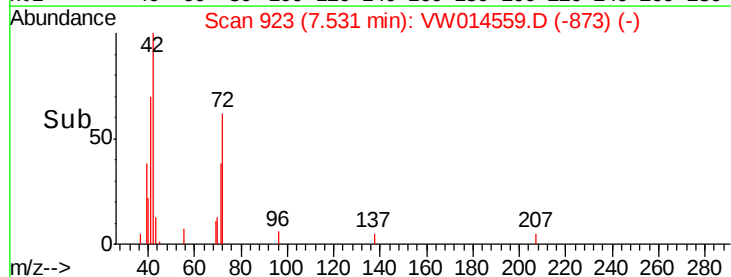
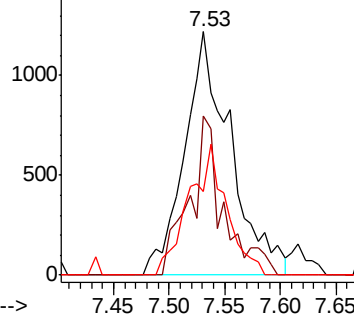
71 43.7 32.0 48.0

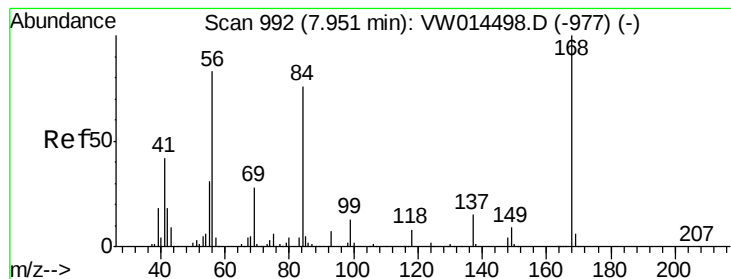


Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW





#31

Cyclohexane

Concen: 1.026 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW014559.D

Acq: 08 Jan 2020 14:37

Instrument :

MSVOA_W

ClientSampled :

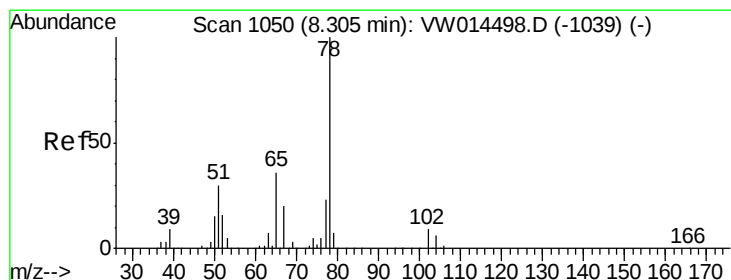
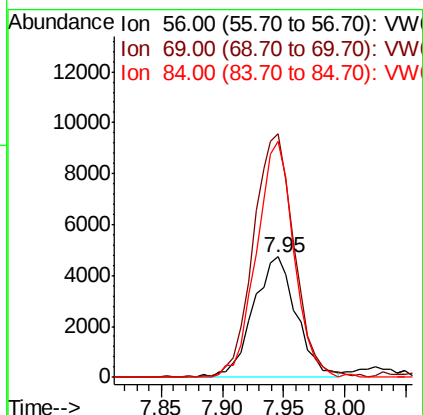
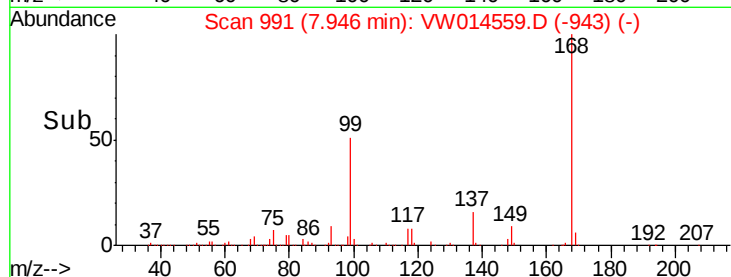
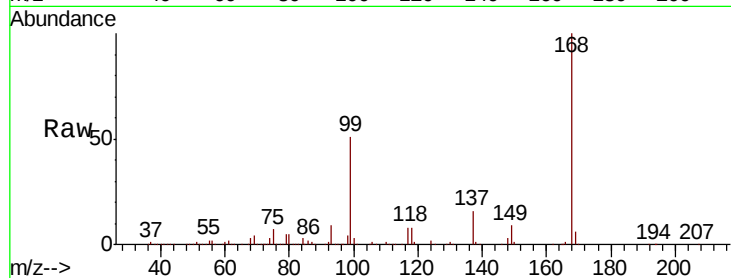
Tot Ion: 56 Resp: 11568

Ion Ratio Lower Upper

56 100

69 200.7 26.8 40.2#

84 196.5 71.8 107.6#



#33

1,2-Dichloroethane-d4

Concen: 47.662 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW014559.D

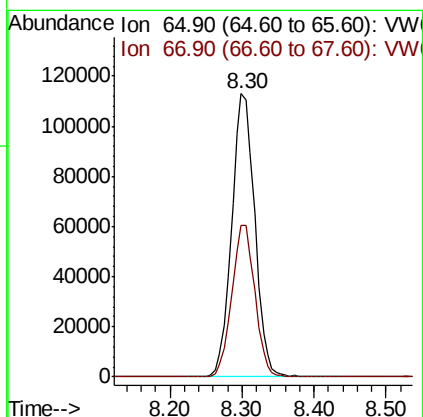
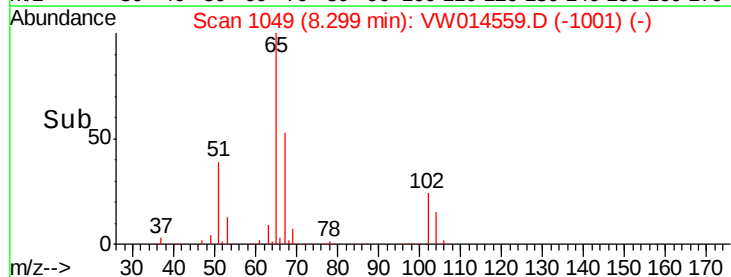
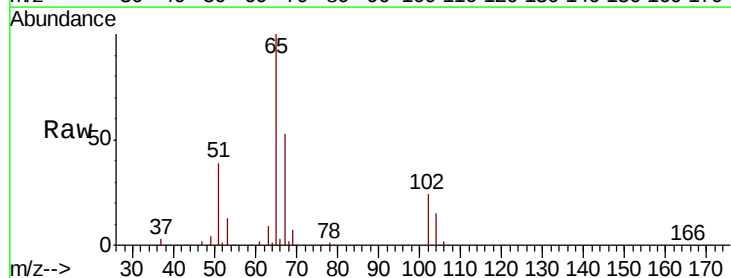
Acq: 08 Jan 2020 14:37

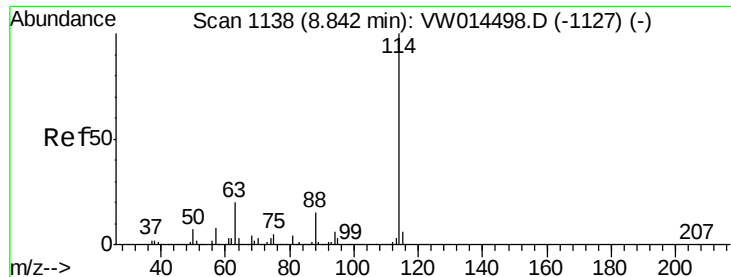
Tgt Ion: 65 Resp: 251828

Ion Ratio Lower Upper

65 100

67 53.6 0.0 108.4

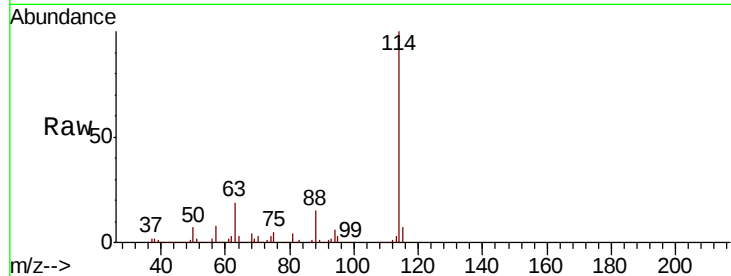




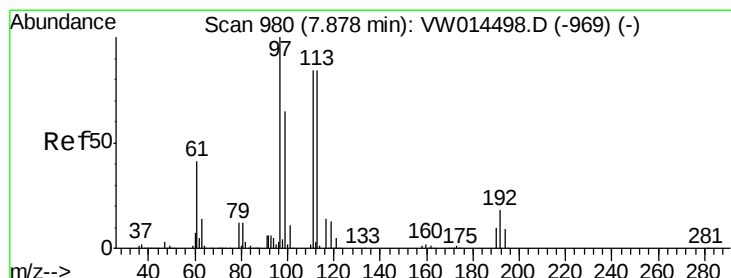
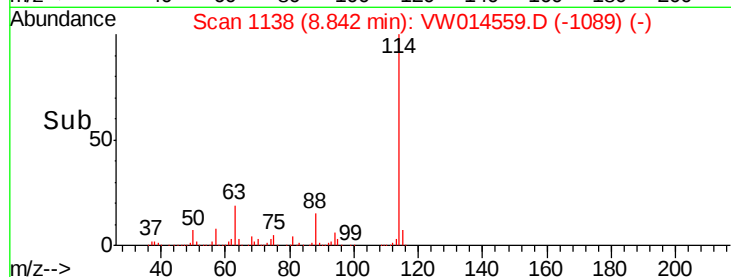
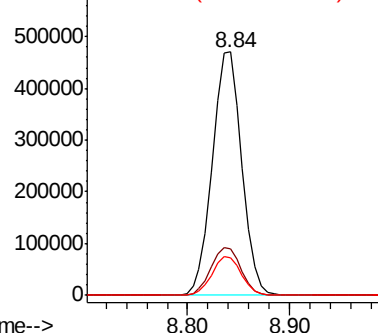
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW014559.D
 Acq: 08 Jan 2020 14:37

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.3	0.0	40.4
88	15.2	0.0	30.6

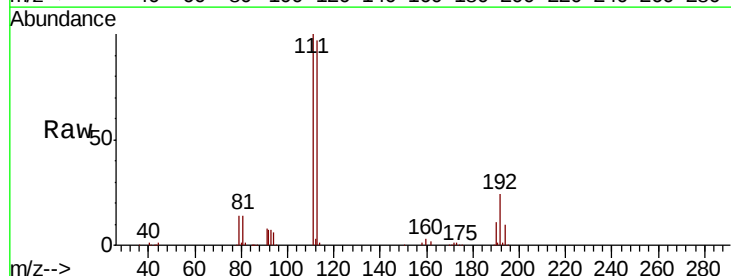


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

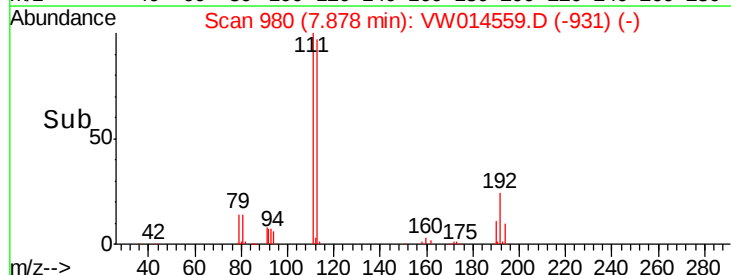
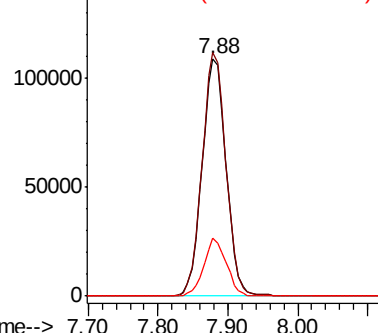


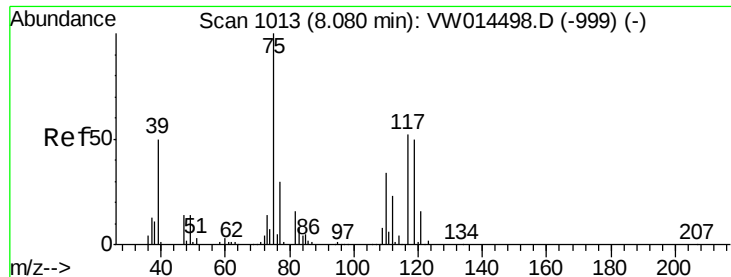
#35
 Dibromofluoromethane
 Concen: 47.927 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. 0.00 min
 Lab File: VW014559.D
 Acq: 08 Jan 2020 14:37

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.4	122.2
192	22.9	17.8	26.8



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

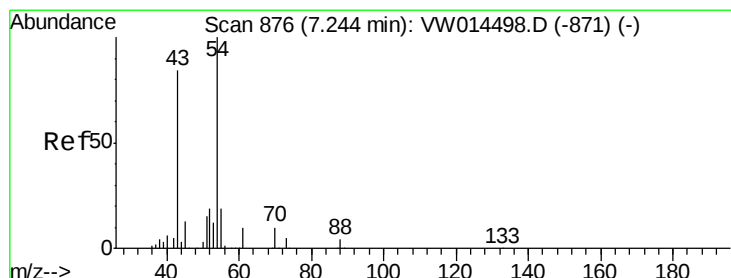
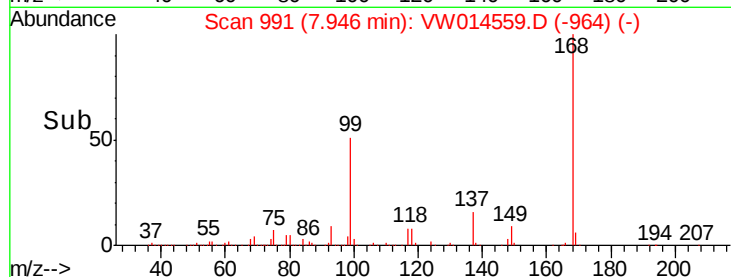
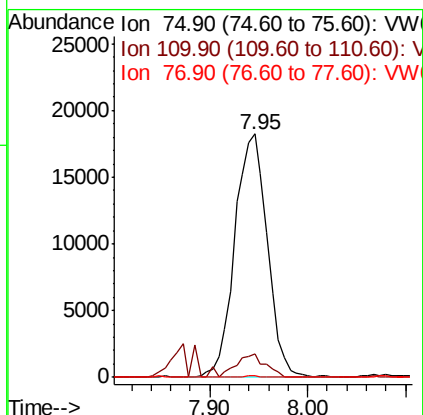
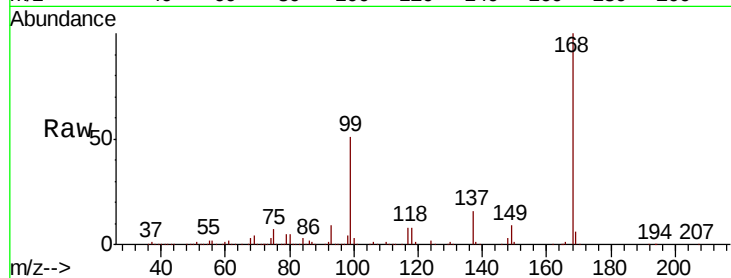




#36
 1,1-Dichloropropene
 Concen: 4.630 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW014559.D
 Acq: 08 Jan 2020 14:37

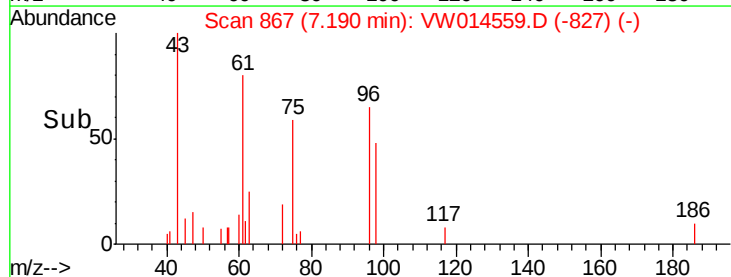
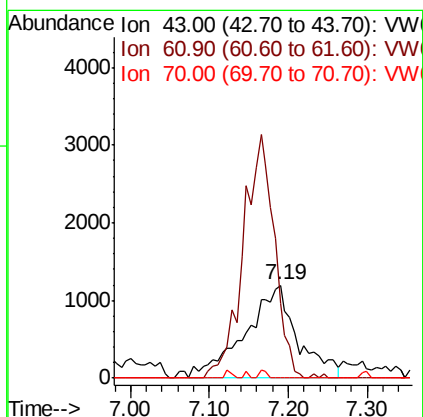
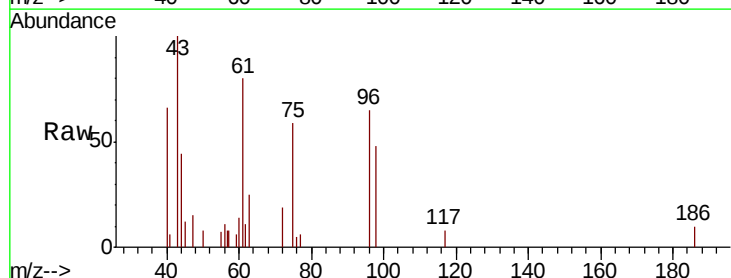
Instrument :
 MSVOA_W
 ClientSampled :

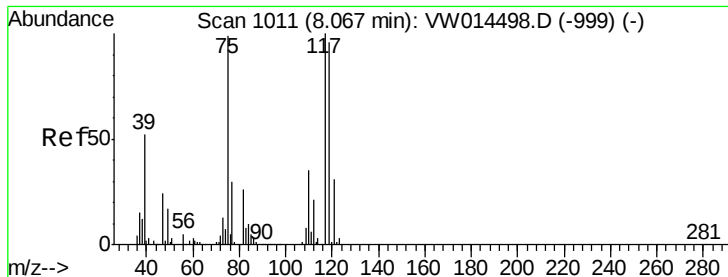
Tot Ion: 75 Resp: 42087
 Ion Ratio Lower Upper
 75 100
 110 8.5 17.8 53.5#
 77 0.3 24.7 37.1#



#37
 Ethyl Acetate
 Concen: 1.333 ug/l
 RT: 7.19 min Scan# 867
 Delta R.T. -0.05 min
 Lab File: VW014559.D
 Acq: 08 Jan 2020 14:37

Tgt Ion: 43 Resp: 5494
 Ion Ratio Lower Upper
 43 100
 61 0.0 11.7 17.5#
 70 0.0 9.0 13.6#





#38

Carbon Tetrachloride

Concen: 6.792 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW014559.D

Acq: 08 Jan 2020 14:37

Instrument :

MSVOA_W

ClientSampleId :

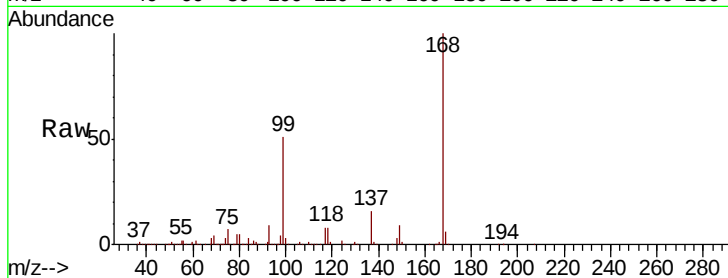
Tot Ion:117 Resp: 53566

Ion Ratio Lower Upper

117 100

119 7.5 77.0 115.6#

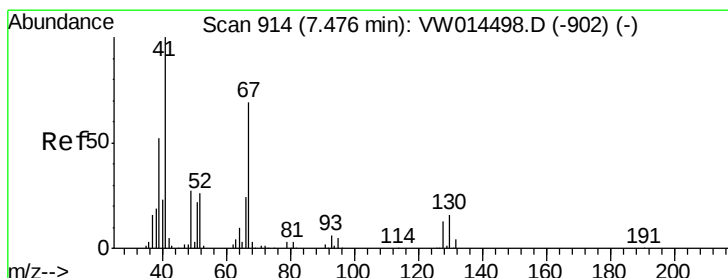
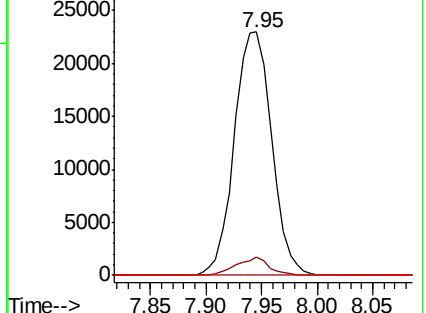
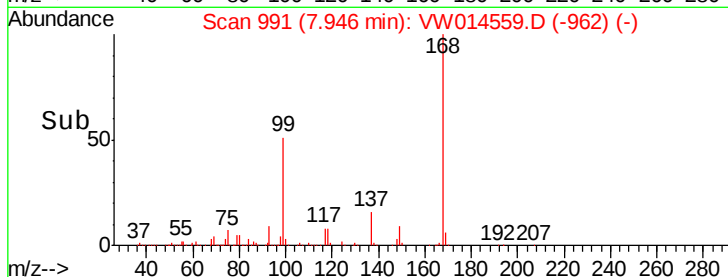
121 0.0 24.6 36.8#



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



#41

Methacrylonitrile

Concen: 1.035 ug/l

RT: 7.52 min Scan# 922

Delta R.T. 0.05 min

Lab File: VW014559.D

Acq: 08 Jan 2020 14:37

Tgt Ion: 41 Resp: 2379

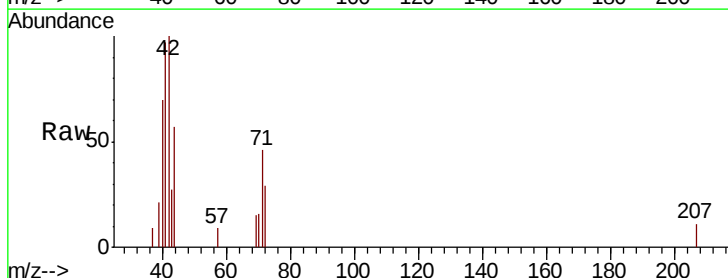
Ion Ratio Lower Upper

41 100

39 25.6 46.0 69.0#

67 0.0 60.8 91.2#

52 0.0 23.7 35.5#

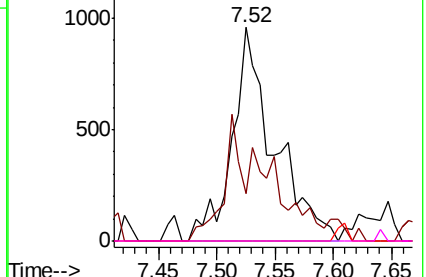
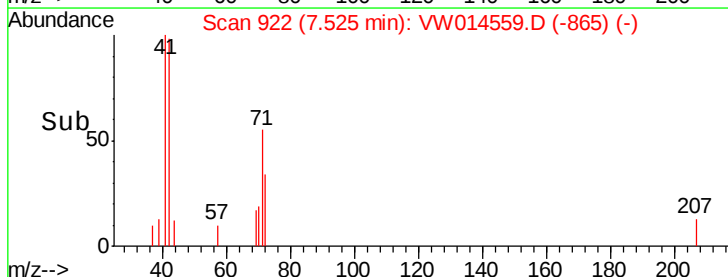


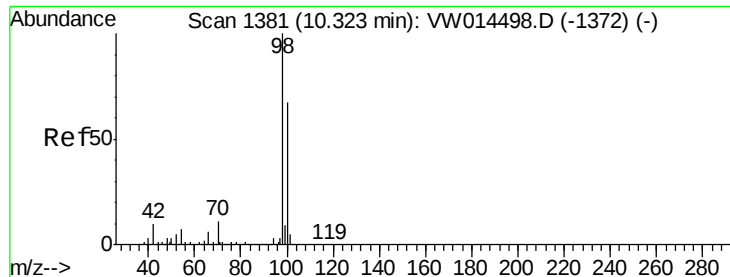
Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW





#50

Toluene-d8

Concen: 43.507 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW014559.D

Acq: 08 Jan 2020 14:37

Instrument :

MSVOA_W

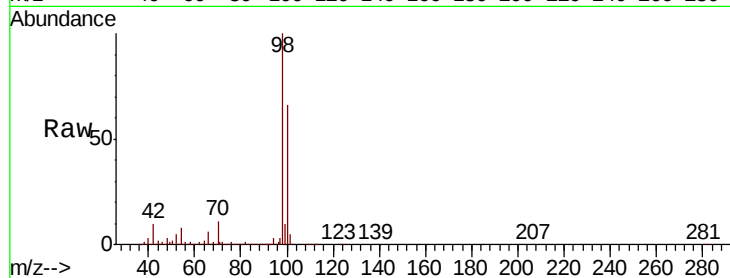
ClientSampled :

Tot Ion: 98 Resp: 978519

Ion Ratio Lower Upper

98 100

100 66.2 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

10.32

600000

500000

400000

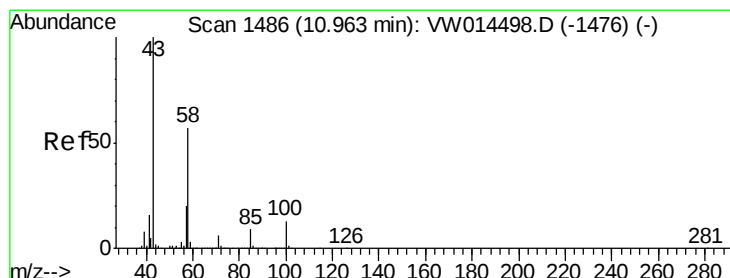
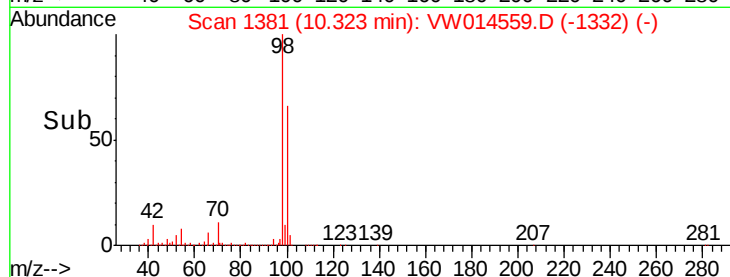
300000

200000

100000

0

Time--> 10.20 10.30 10.40



#59

2-Hexanone

Concen: 17.758 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.03 min

Lab File: VW014559.D

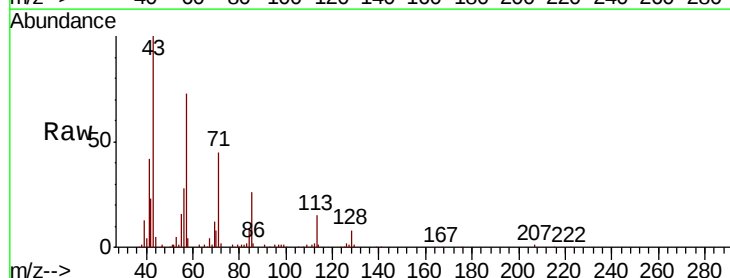
Acq: 08 Jan 2020 14:37

Tgt Ion: 43 Resp: 47577

Ion Ratio Lower Upper

43 100

58 4.4 28.7 86.3#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.93

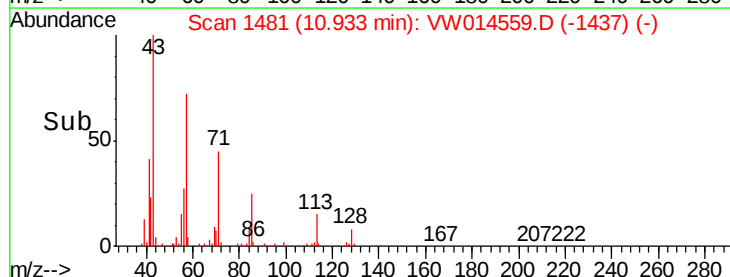
30000

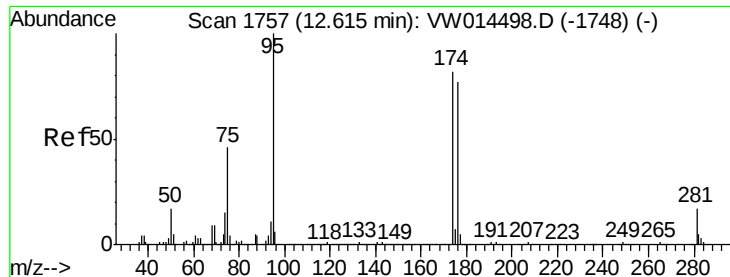
20000

10000

0

Time--> 10.90 11.00





#62

4-Bromofluorobenzene

Concen: 32.277 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW014559.D

Acq: 08 Jan 2020 14:37

Instrument :

MSVOA_W

ClientSampleId :

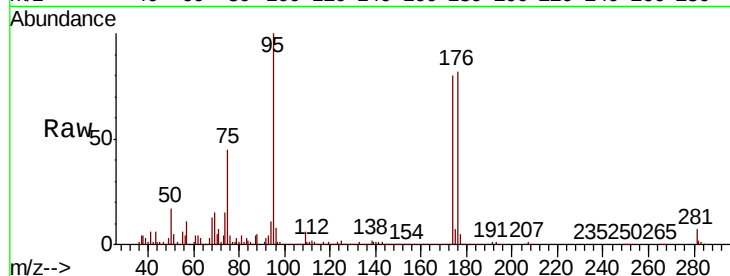
Tot Ion: 95 Resp: 246230

Ion Ratio Lower Upper

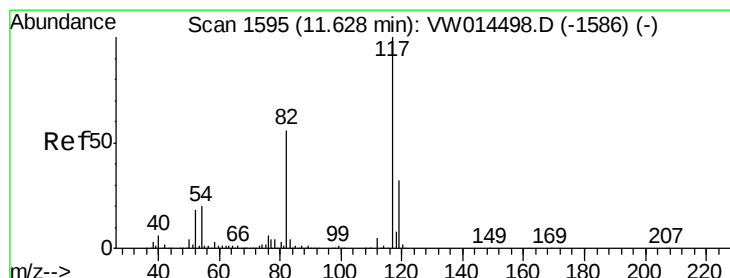
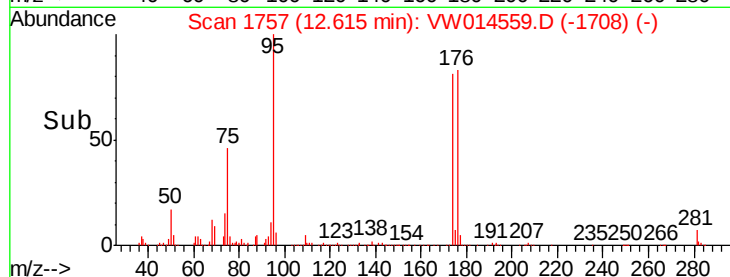
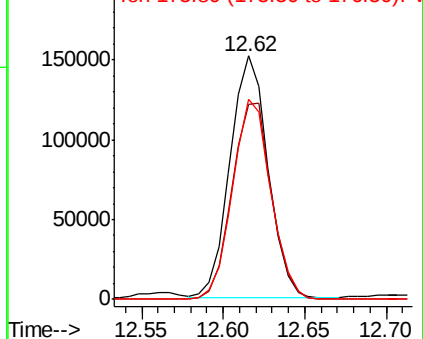
95 100

174 84.2 0.0 168.6

176 83.4 0.0 162.0



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# 1595

Delta R.T. 0.00 min

Lab File: VW014559.D

Acq: 08 Jan 2020 14:37

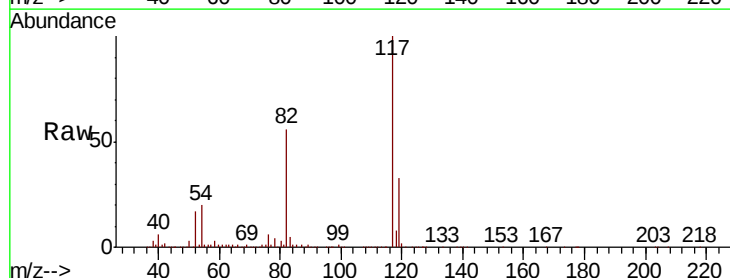
Tgt Ion: 117 Resp: 673278

Ion Ratio Lower Upper

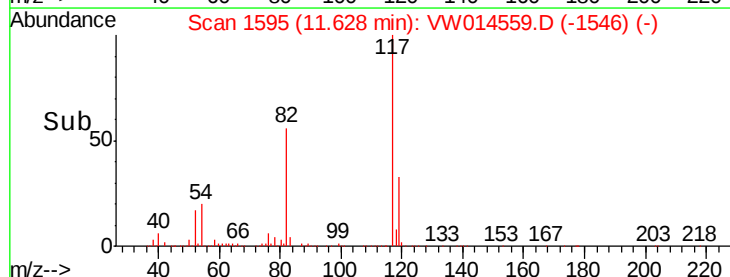
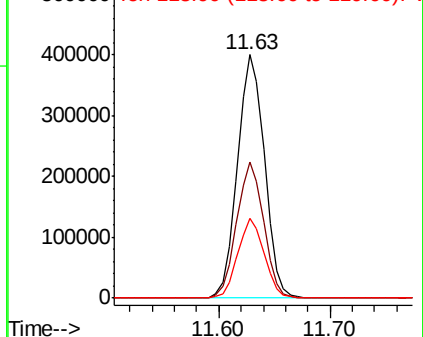
117 100

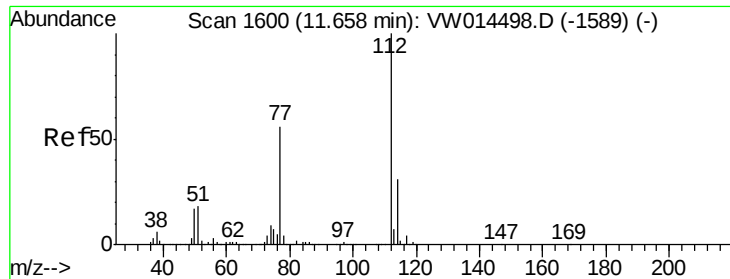
82 56.0 44.6 67.0

119 32.6 25.7 38.5



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





#65

Chlorobenzene

Concen: 3.699 ug/l

RT: 11.65 min Scan# 1599

Delta R.T. -0.01 min

Lab File: VW014559.D

Acq: 08 Jan 2020 14:37

Instrument :

MSVOA_W

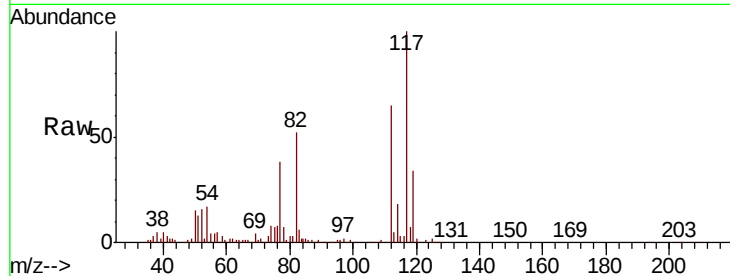
ClientSampleId :

Tot Ion:112 Resp: 51027

Ion Ratio Lower Upper

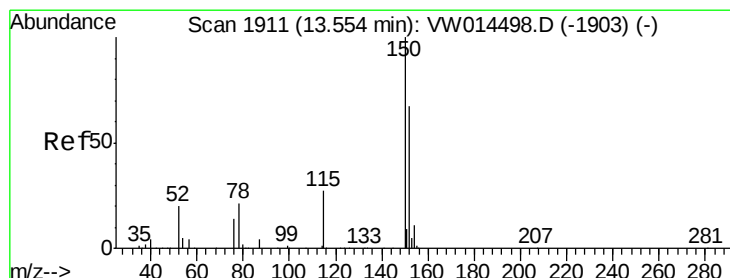
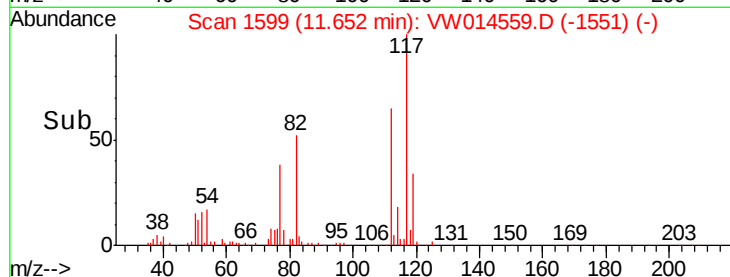
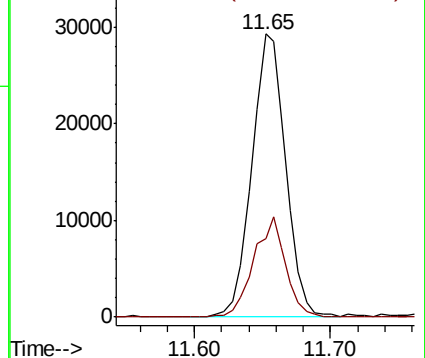
112 100

114 27.9 24.6 37.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. 0.00 min

Lab File: VW014559.D

Acq: 08 Jan 2020 14:37

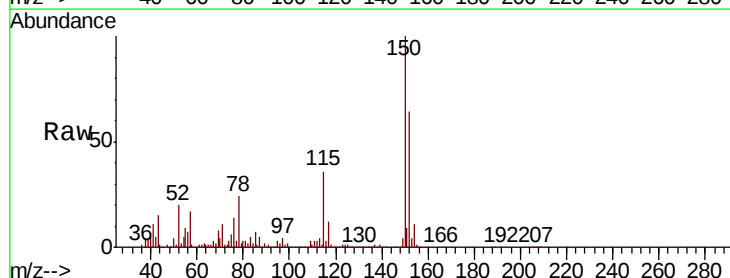
Tgt Ion:152 Resp: 216454

Ion Ratio Lower Upper

152 100

115 53.4 27.7 83.1

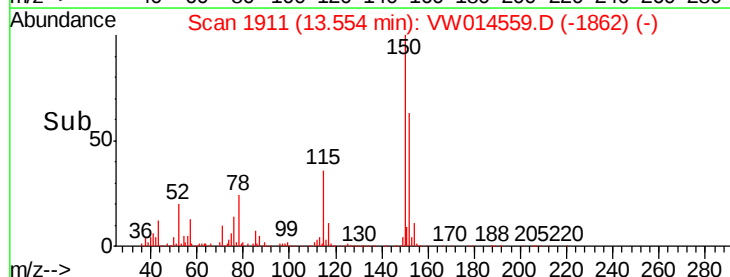
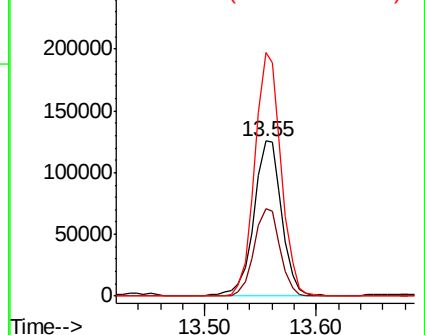
150 148.5 0.0 343.4

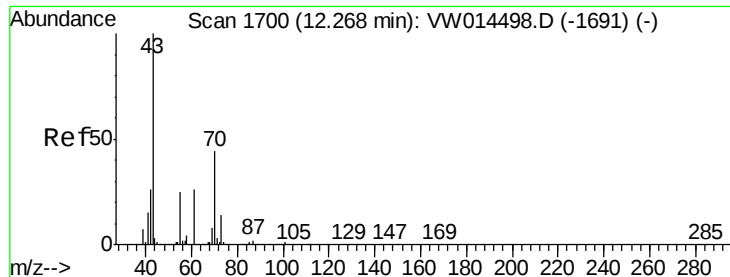


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 29.172 ug/l

RT: 12.25 min Scan# 1697

Delta R.T. -0.02 min

Lab File: VW014559.D

Acq: 08 Jan 2020 14:37

Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 43 Resp: 103886

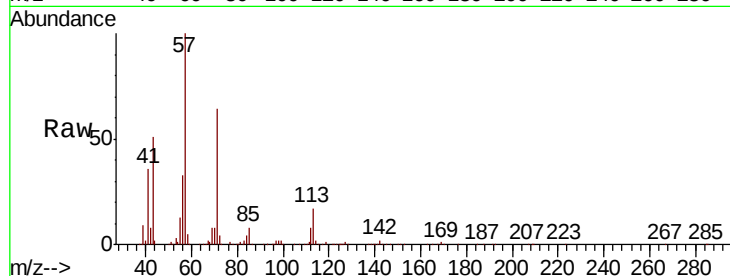
Ion Ratio Lower Upper

43 100

70 22.5 36.5 54.7#

55 37.3 20.9 31.3#

61 0.1 20.7 31.1#

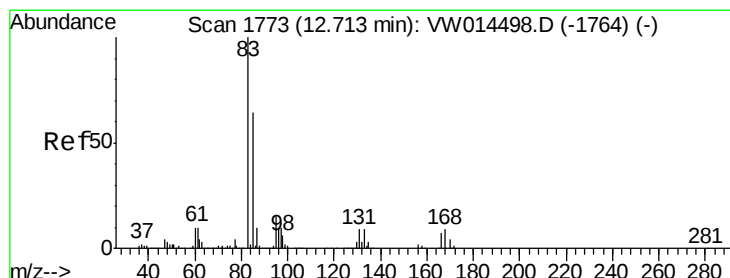
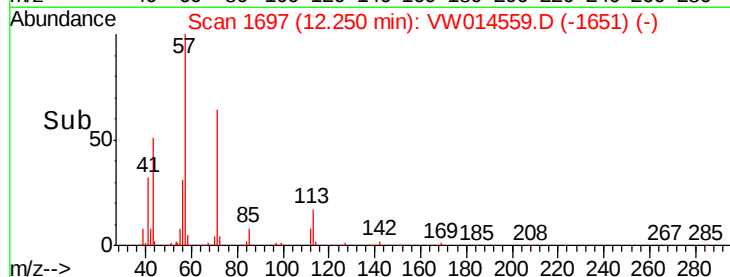
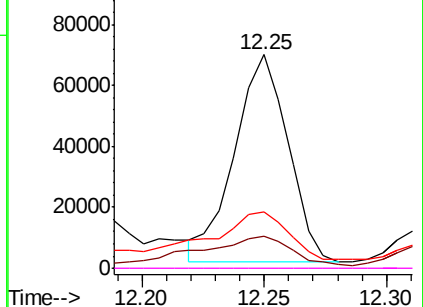


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW



#75

1,1,2,2-Tetrachloroethane

Concen: 3.225 ug/l

RT: 12.68 min Scan# 1768

Delta R.T. -0.03 min

Lab File: VW014559.D

Acq: 08 Jan 2020 14:37

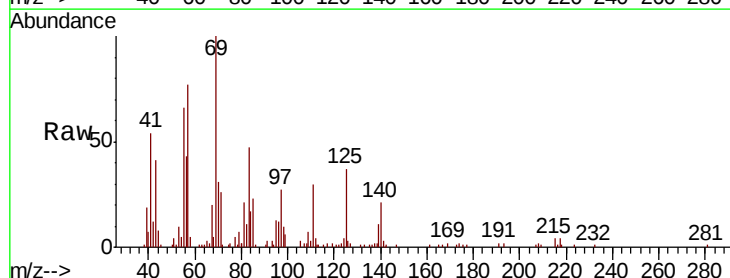
Tgt Ion: 83 Resp: 9245

Ion Ratio Lower Upper

83 100

131 1.6 5.1 15.4#

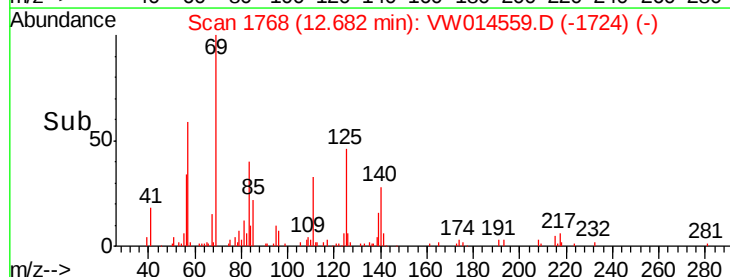
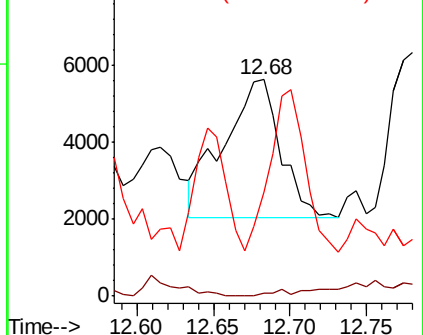
85 72.9 31.9 95.7

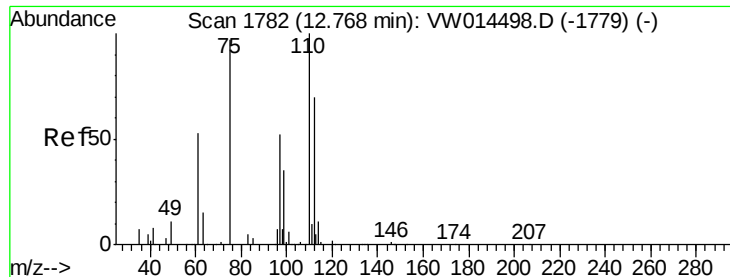


Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW

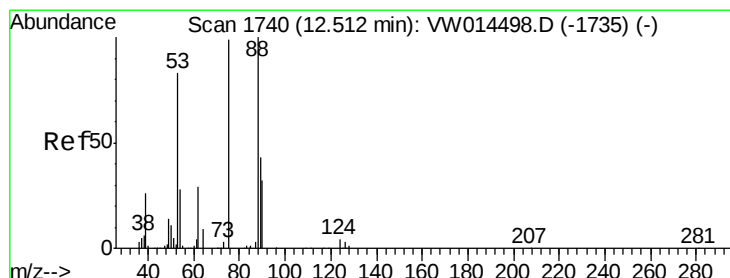
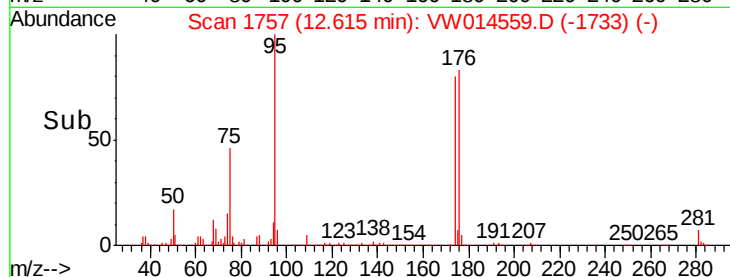
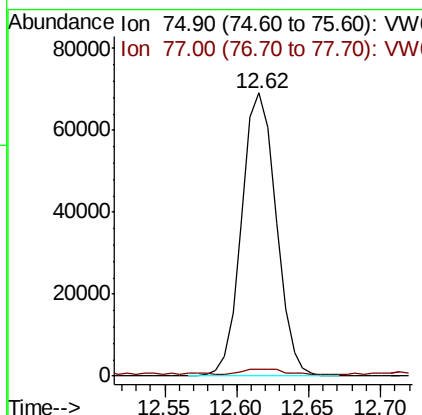
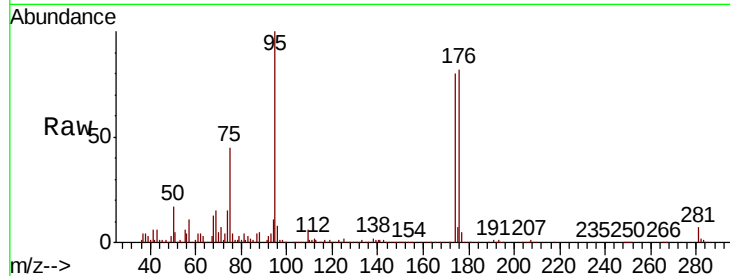




#76
 1,2,3-Trichloropropane
 Concen: 56.200 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW014559.D
 Acq: 08 Jan 2020 14:37

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 75 Resp: 115015
 Ion Ratio Lower Upper
 75 100
 77 2.7 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 125.215 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW014559.D
 Acq: 08 Jan 2020 14:37

Tgt Ion: 75 Resp: 115015
 Ion Ratio Lower Upper
 75 100
 53 2.0 70.9 106.3#
 89 0.3 35.8 53.8#

