

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081219\
 Data File : VW011876.D
 Acq On : 13 Aug 2019 03:20
 Operator : SY/VA
 Sample : K4230-04
 Misc : 6.05G/5ML/MSVOA W/SOIL
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 13 09:25:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	224232	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	378174	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	332726	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	118189	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	154837	60.14	ug/l	0.00
Spiked Amount			Recovery	=	120.28%	
35) Dibromofluoromethane	7.88	113	117719	55.49	ug/l	0.00
Spiked Amount			Recovery	=	110.98%	
50) Toluene-d8	10.32	98	488830	56.27	ug/l	0.00
Spiked Amount			Recovery	=	112.54%	
62) 4-Bromofluorobenzene	12.62	95	151438	48.90	ug/l	0.00
Spiked Amount			Recovery	=	97.80%	

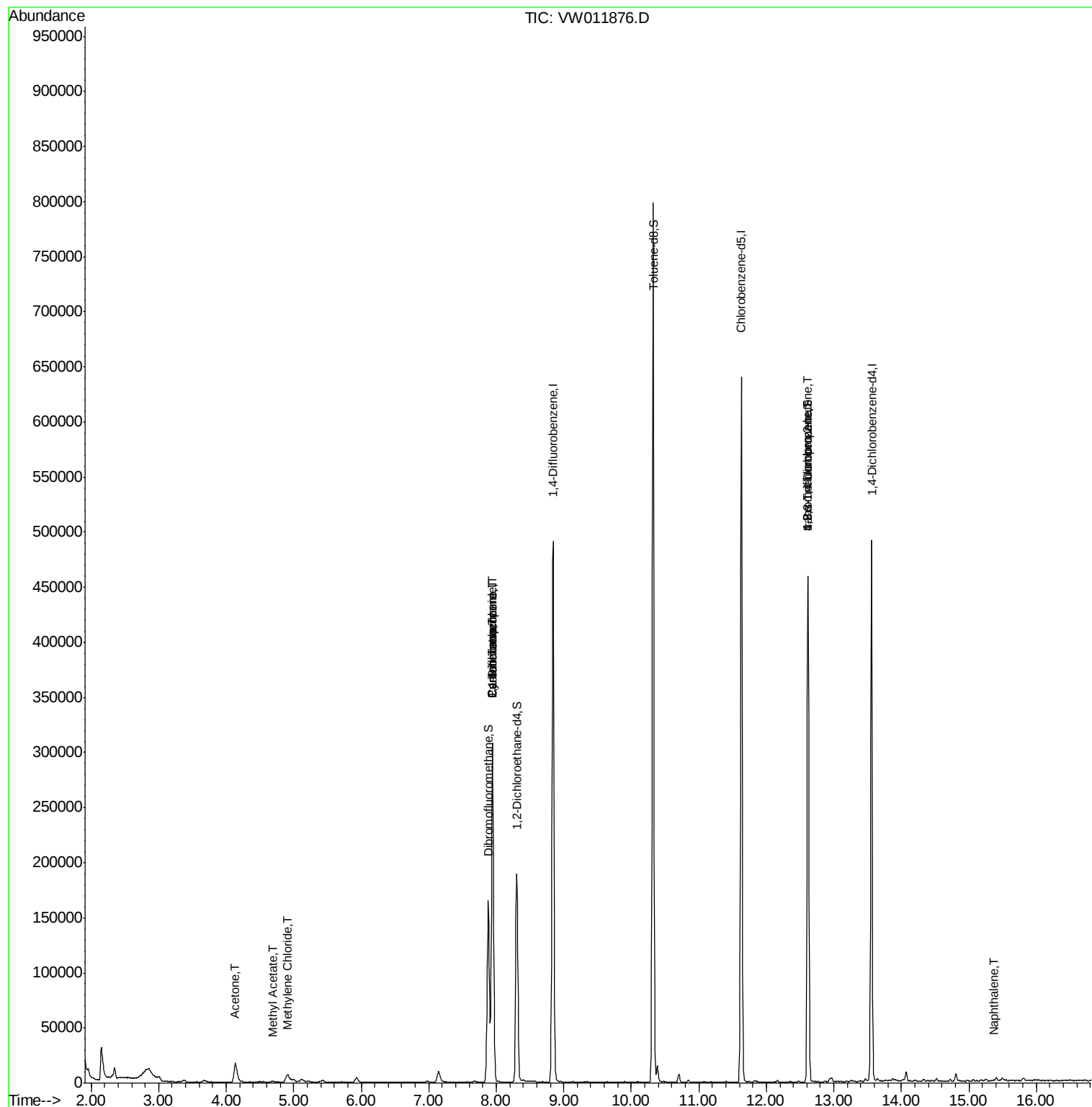
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.21	59	147	Below Cal	#	59
16) Acetone	4.13	43	37828	46.186	ug/l	97
18) Methyl Acetate	4.69	43	2112	1.148	ug/l #	73
20) Methylene Chloride	4.90	84	4576	1.620	ug/l	94
31) Cyclohexane	7.94	56	5867	1.219	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	19987	5.083	ug/l #	52
38) Carbon Tetrachloride	7.95	117	22929	6.811	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	82672	66.107	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	82672	152.354	ug/l #	6
95) Naphthalene	15.37	128	689	2.208	ug/l #	80

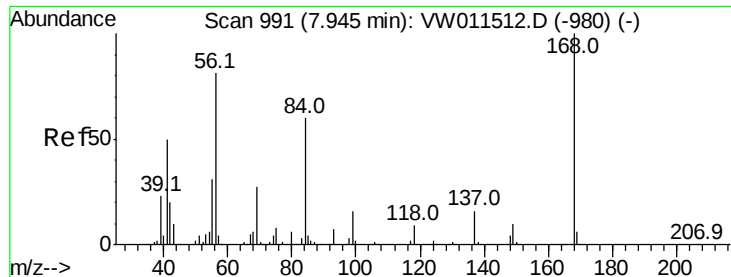
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW011876.D

Acq: 13 Aug 2019 03:20

Instrument :

MSVOA_W

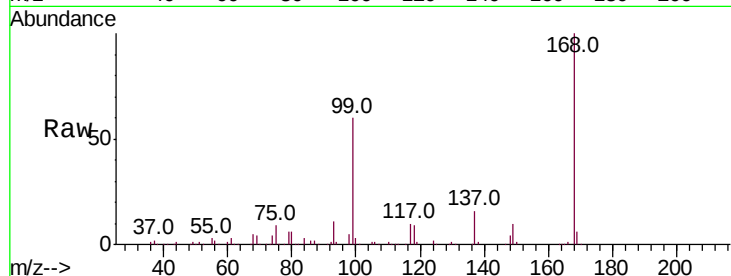
ClientSampled :

Tot Ion:168 Resp: 224232

Ion Ratio Lower Upper

168 100

99 59.7 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

120000

100000

80000

60000

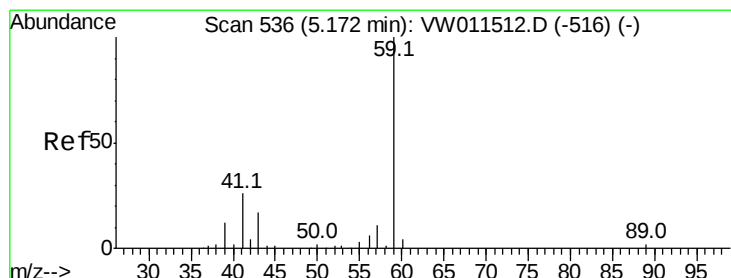
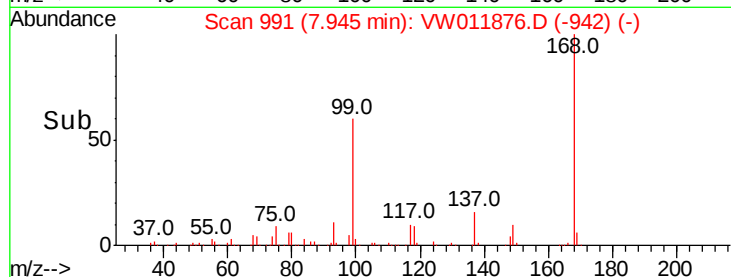
40000

20000

0

7.90 8.00

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.21 min Scan# 542

Delta R.T. 0.04 min

Lab File: VW011876.D

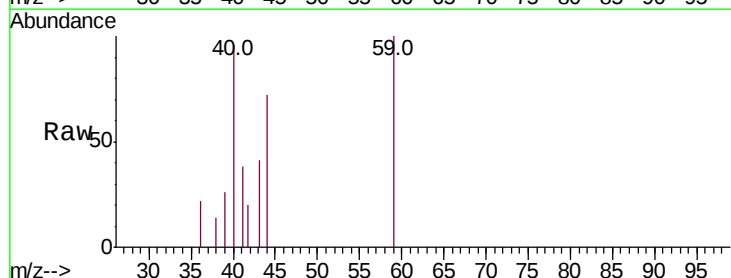
Acq: 13 Aug 2019 03:20

Tgt Ion: 59 Resp: 147

Ion Ratio Lower Upper

59 100

57 25.9 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

400

300

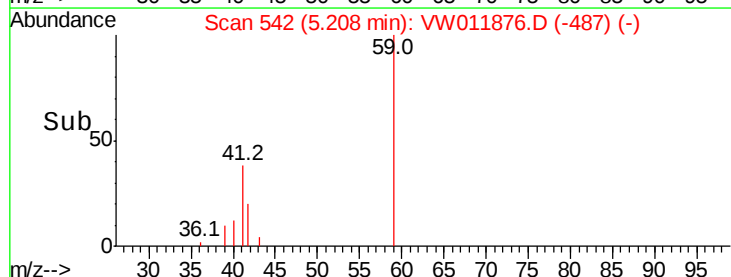
200

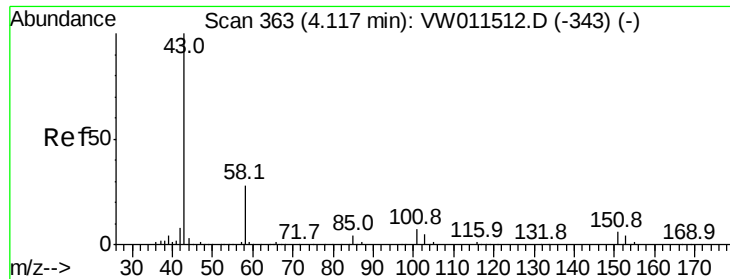
100

0

5.19 5.20 5.21 5.22

Time-->





#16

Acetone

Concen: 46.186 ug/l

RT: 4.13 min Scan# 366

Delta R.T. 0.02 min

Lab File: VW011876.D

Acq: 13 Aug 2019 03:20

Instrument :

MSVOA_W

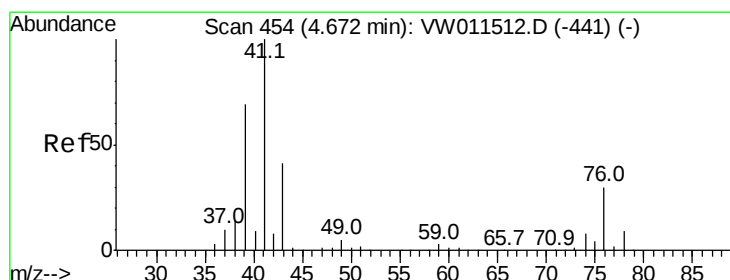
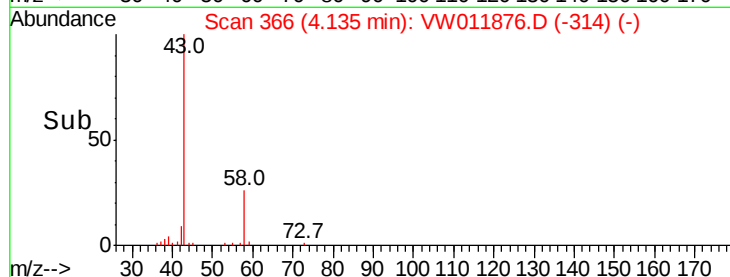
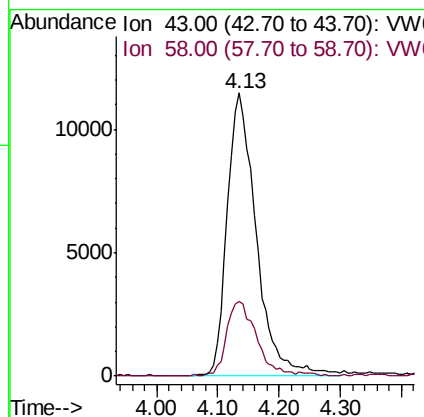
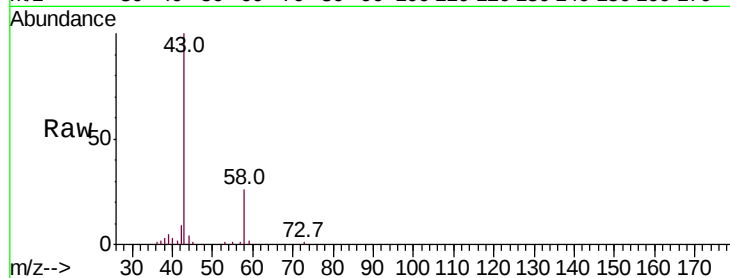
ClientSampled :

Tot Ion: 43 Resp: 37828

Ion Ratio Lower Upper

43 100

58 26.4 22.3 33.5



#18

Methyl Acetate

Concen: 1.148 ug/l

RT: 4.69 min Scan# 457

Delta R.T. 0.02 min

Lab File: VW011876.D

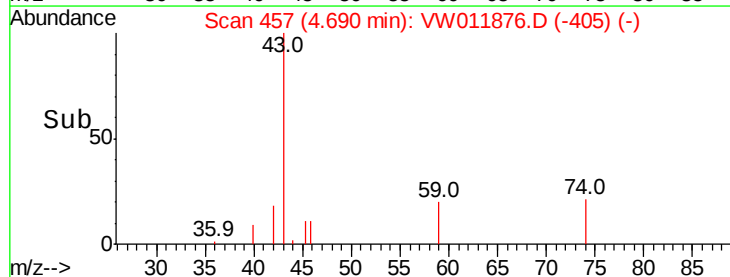
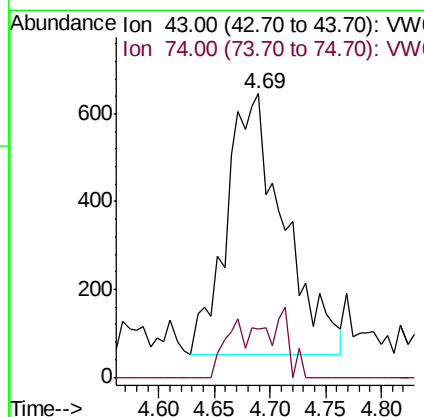
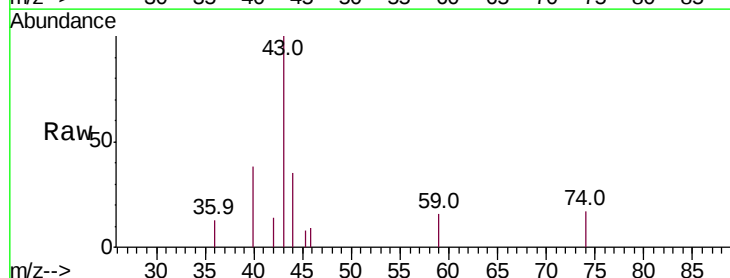
Acq: 13 Aug 2019 03:20

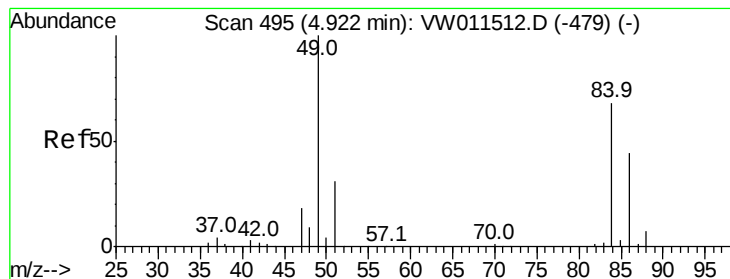
Tgt Ion: 43 Resp: 2112

Ion Ratio Lower Upper

43 100

74 7.6 15.9 23.9#





#20

Methvlene Chloride

Concen: 1.620 ug/l

RT: 4.90 min Scan# 492

Delta R.T. -0.02 min

Lab File: VW011876.D

Acq: 13 Aug 2019 03:20

Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 84 Resp: 4576

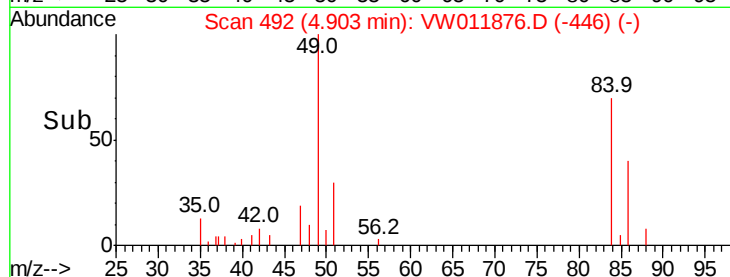
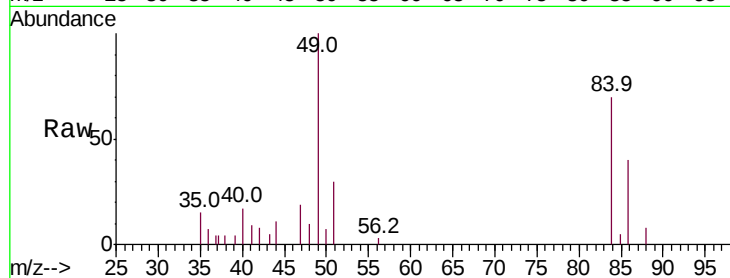
Ion Ratio Lower Upper

84 100

49 142.3 117.8 176.6

51 42.8 37.0 55.4

86 56.3 51.8 77.8



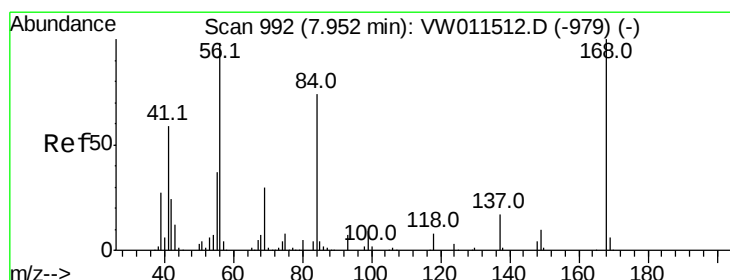
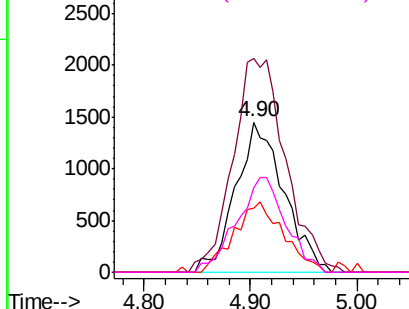
Abundance

Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW



#31

Cyclohexane

Concen: 1.219 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW011876.D

Acq: 13 Aug 2019 03:20

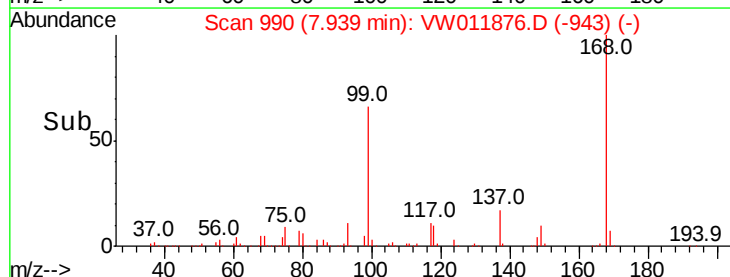
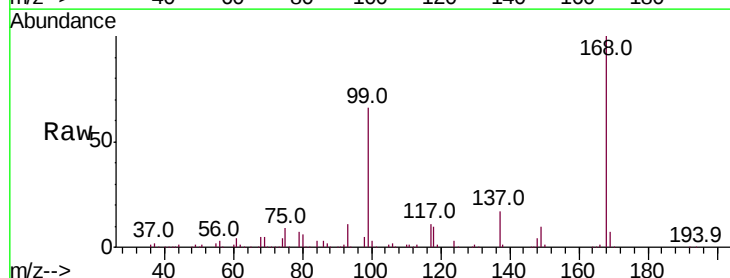
Tgt Ion: 56 Resp: 5867

Ion Ratio Lower Upper

56 100

69 173.3 24.3 36.5#

84 128.7 60.4 90.6#

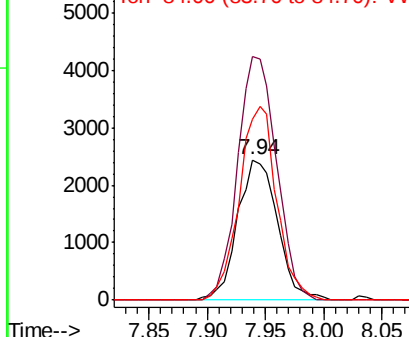


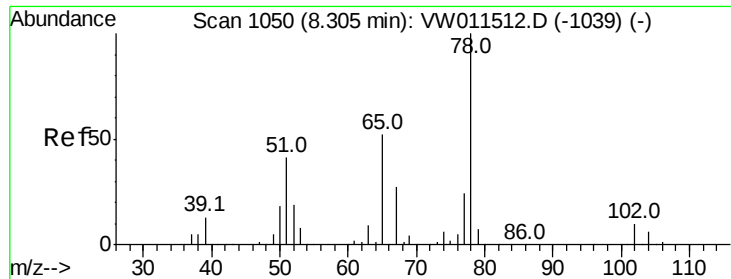
Abundance

Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW

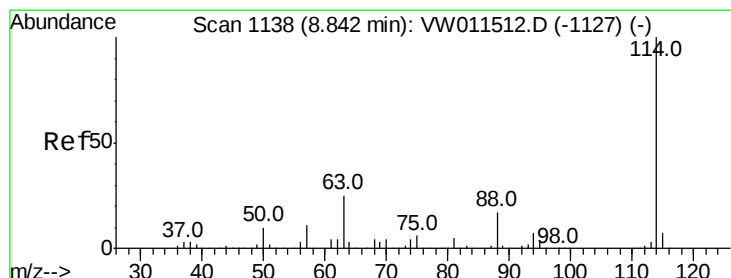
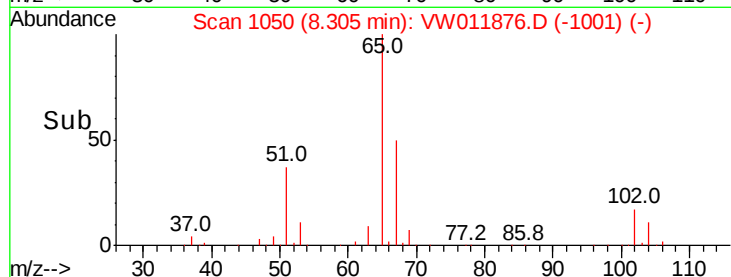
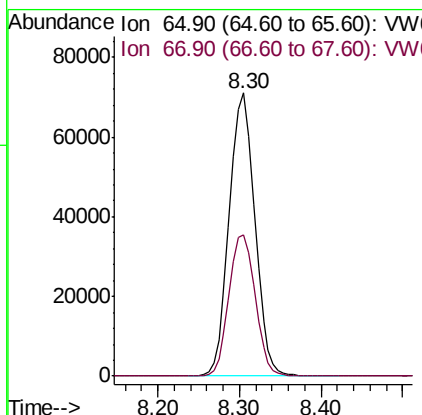
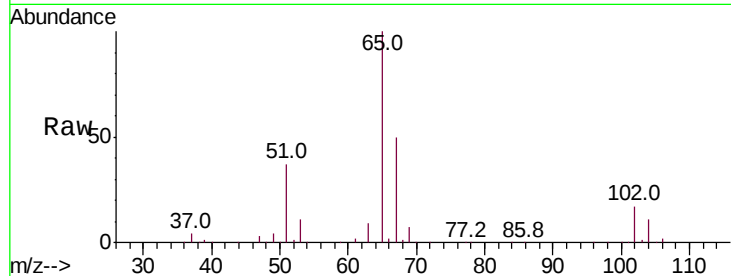




#33
 1,2-Dichloroethane-d4
 Concen: 60.135 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW011876.D
 Acq: 13 Aug 2019 03:20

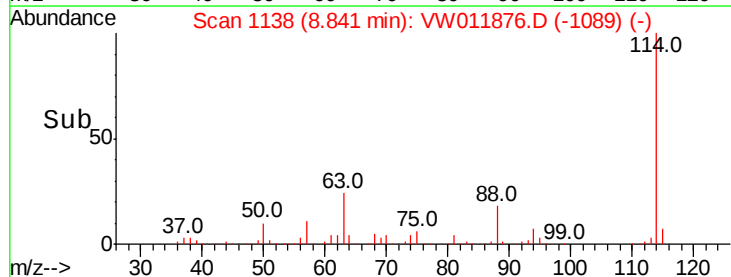
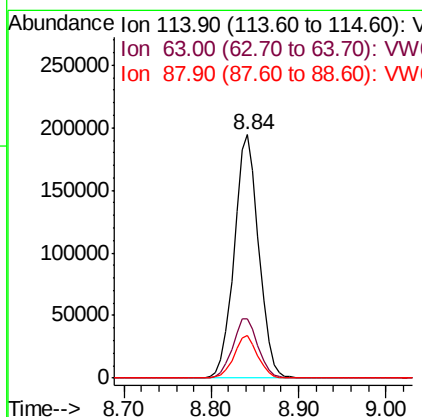
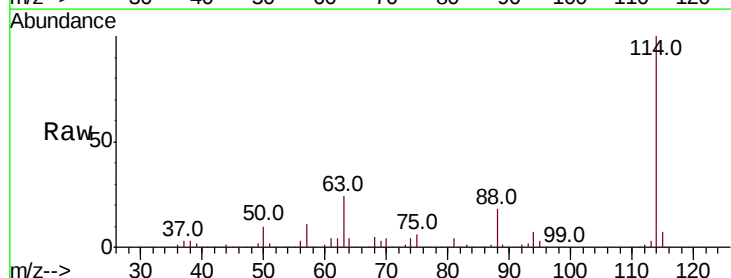
Instrument :
 MSVOA_W
 ClientSampled :

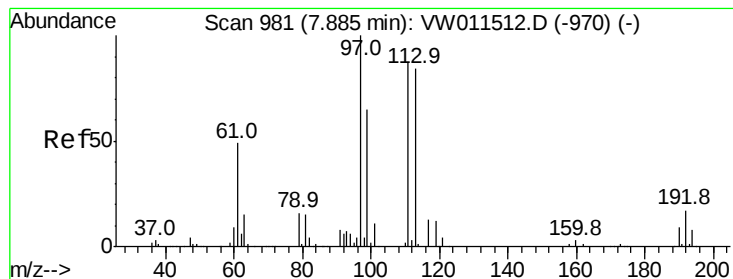
Tot Ion: 65 Resp: 154837
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011876.D
 Acq: 13 Aug 2019 03:20

Tgt Ion: 114 Resp: 378174
 Ion Ratio Lower Upper
 114 100
 63 24.2 0.0 49.2
 88 17.7 0.0 33.8





#35

Dibromofluoromethane

Concen: 55.485 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW011876.D

Acq: 13 Aug 2019 03:20

Instrument :

MSVOA_W

ClientSampleId :

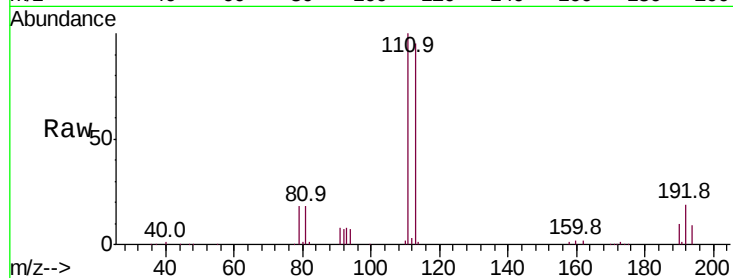
Tot Ion:113 Resp: 117719

Ion Ratio Lower Upper

113 100

111 103.3 82.7 124.1

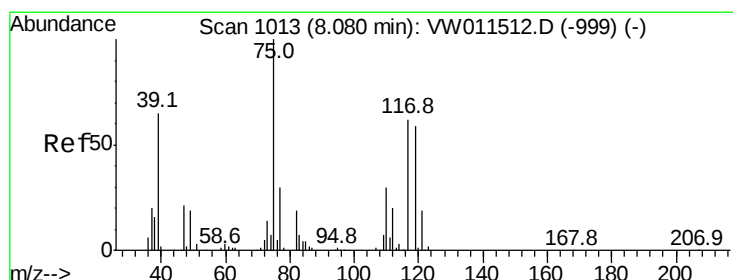
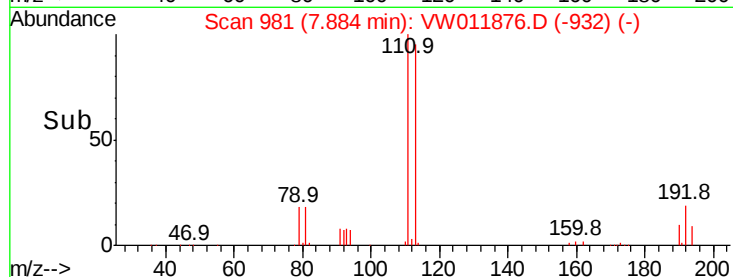
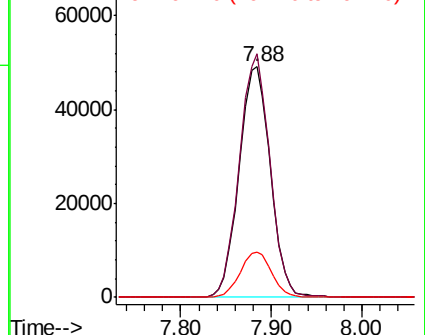
192 19.8 16.1 24.1



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: 5.083 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW011876.D

Acq: 13 Aug 2019 03:20

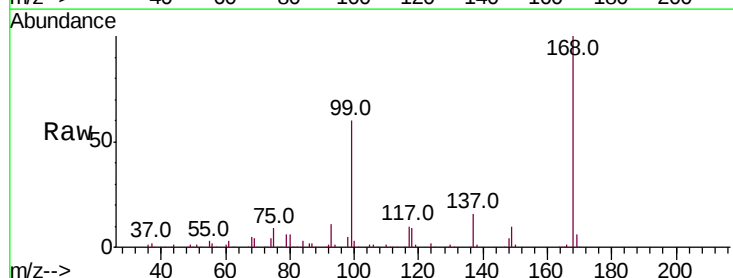
Tgt Ion: 75 Resp: 19987

Ion Ratio Lower Upper

75 100

110 9.0 15.6 46.8#

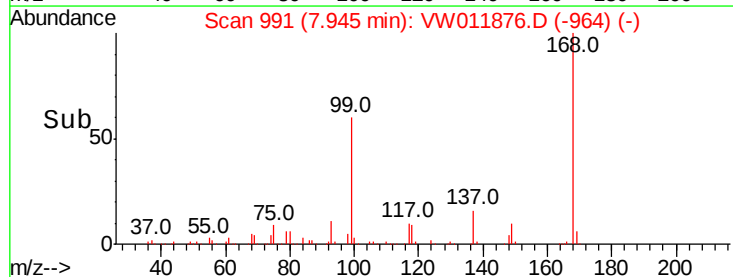
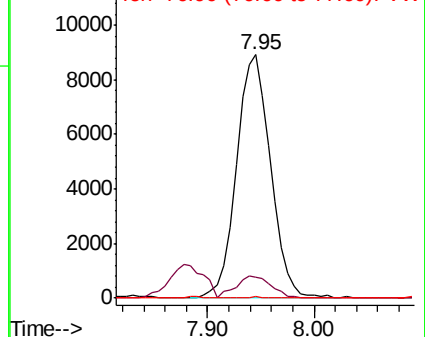
77 0.1 24.3 36.5#

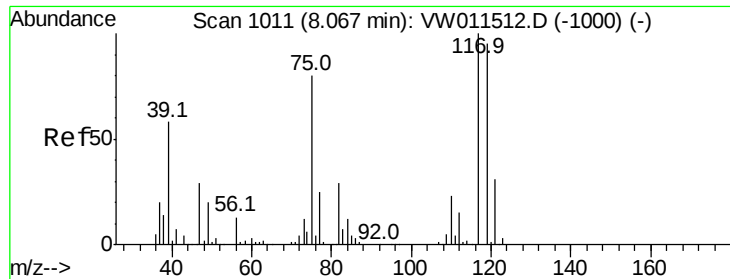


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

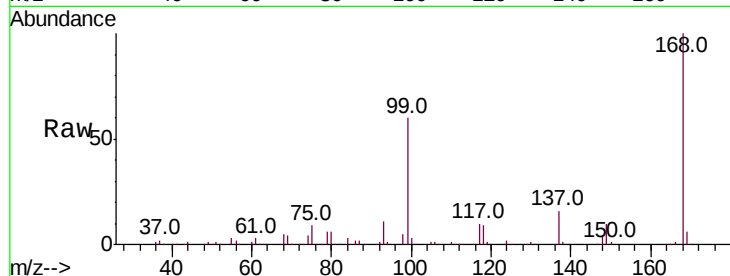




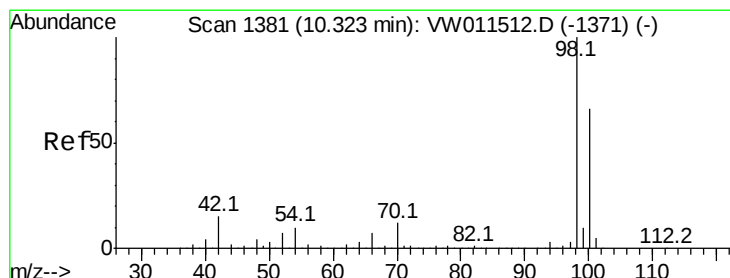
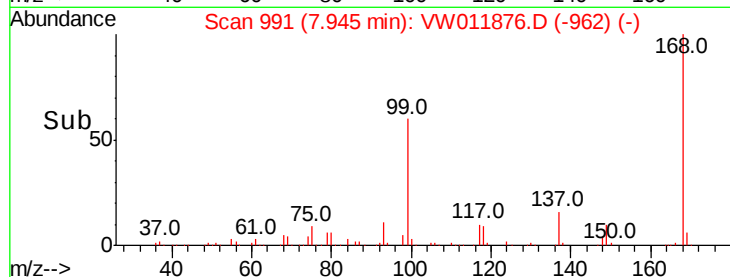
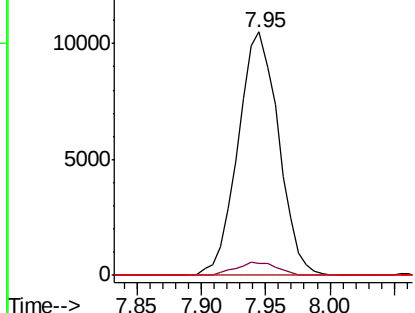
#38
Carbon Tetrachloride
Concen: 6.811 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW011876.D
Acq: 13 Aug 2019 03:20

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 22929
Ion Ratio Lower Upper
117 100
119 5.1 75.8 113.6#
121 0.0 24.7 37.1#

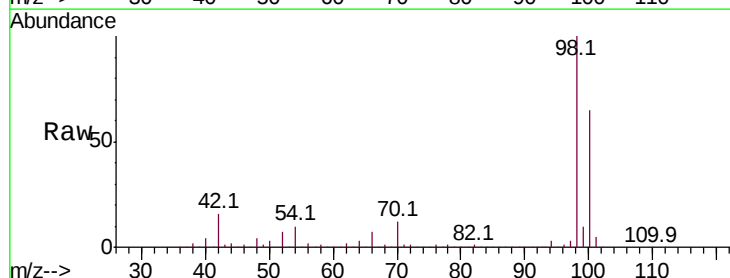


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

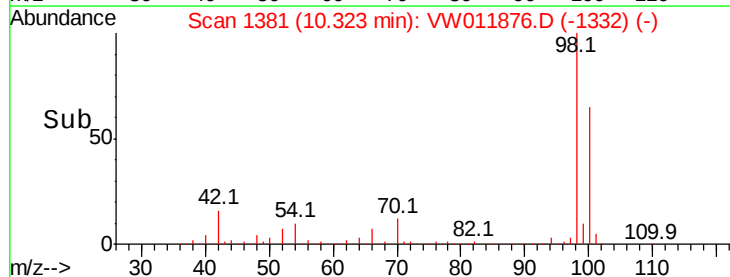
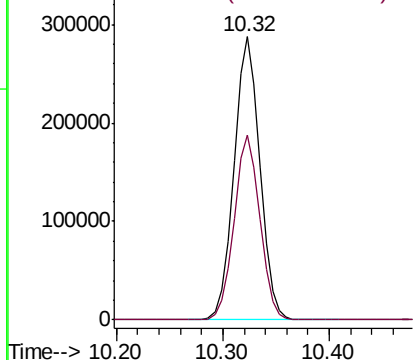


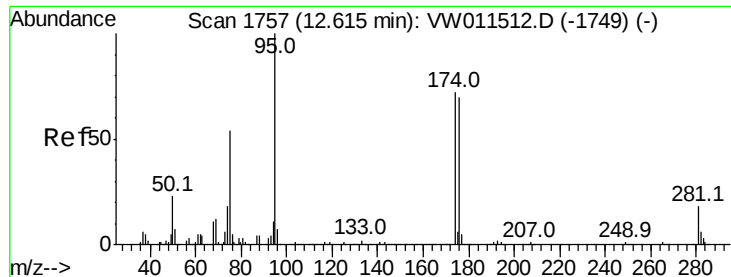
#50
Toluene-d8
Concen: 56.274 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW011876.D
Acq: 13 Aug 2019 03:20

Tgt Ion: 98 Resp: 488830
Ion Ratio Lower Upper
98 100
100 65.2 52.7 79.1



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

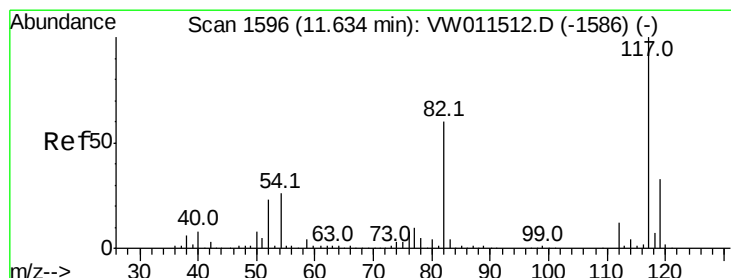
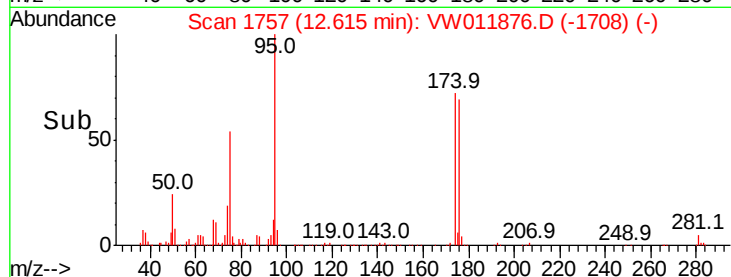
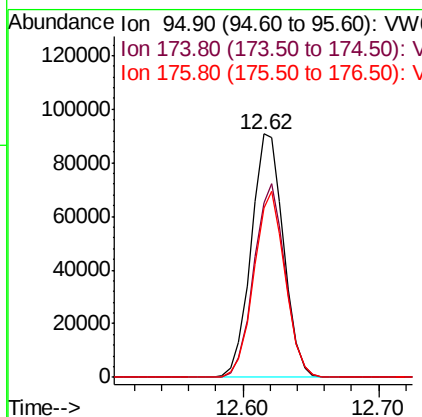
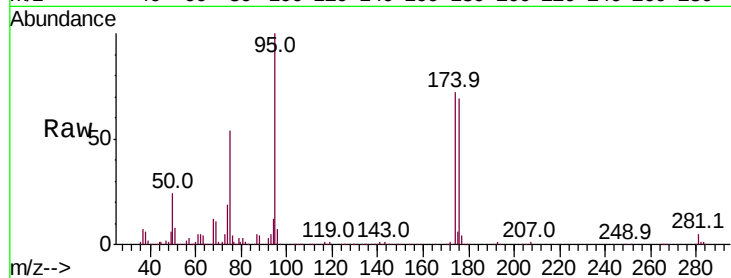




#62
4-Bromofluorobenzene
Concen: 48.899 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW011876.D
Acq: 13 Aug 2019 03:20

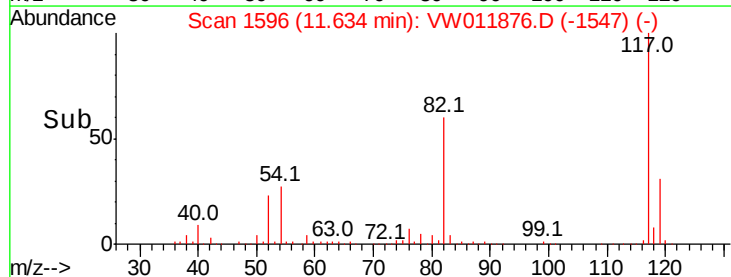
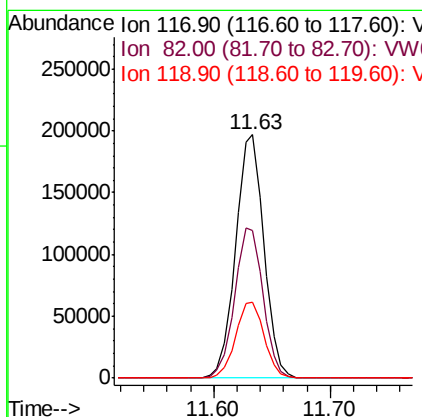
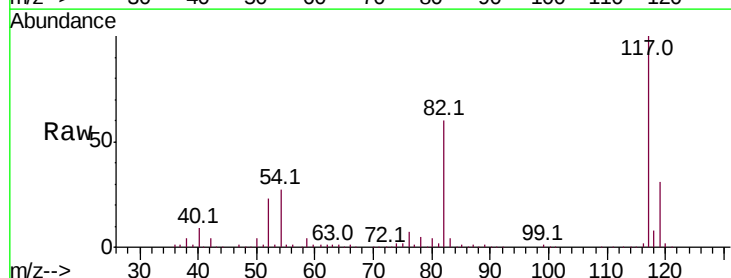
Instrument :
MSVOA_W
ClientSampleId :

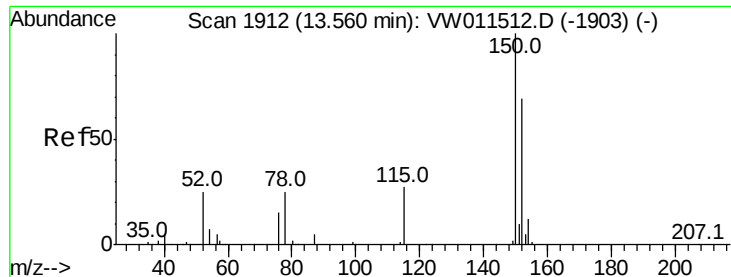
Tot Ion: 95 Resp: 151438
Ion Ratio Lower Upper
95 100
174 77.0 0.0 150.2
176 73.6 0.0 144.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW011876.D
Acq: 13 Aug 2019 03:20

Tgt Ion: 117 Resp: 332726
Ion Ratio Lower Upper
117 100
82 60.5 47.9 71.9
119 31.4 26.2 39.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW011876.D

Acq: 13 Aug 2019 03:20

Instrument :

MSVOA_W

ClientSampleId :

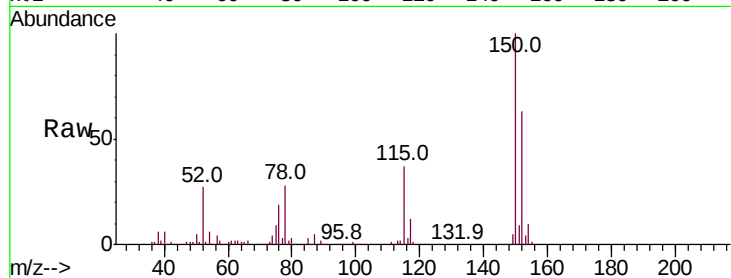
Tot Ion:152 Resp: 118189

Ion Ratio Lower Upper

152 100

115 60.2 30.5 91.5

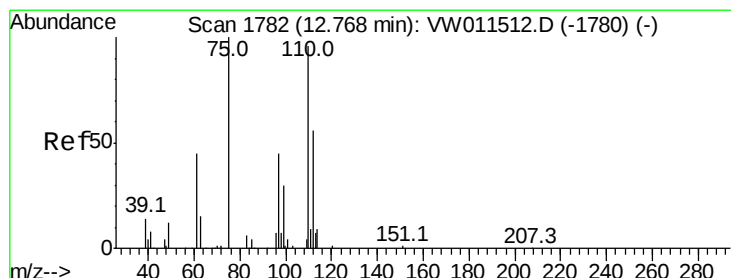
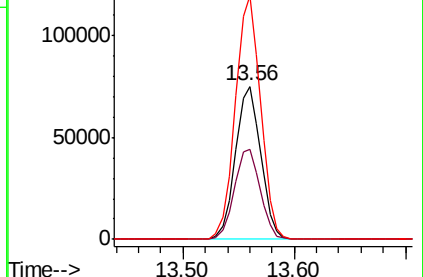
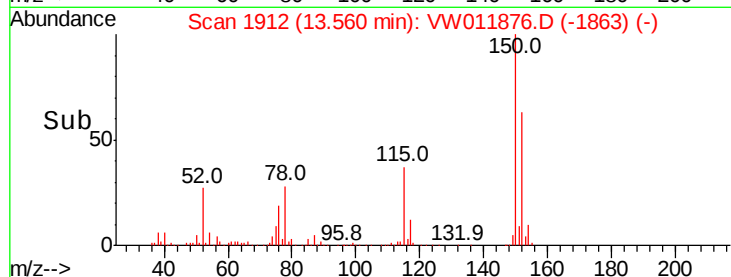
150 158.0 0.0 352.6



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 66.107 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW011876.D

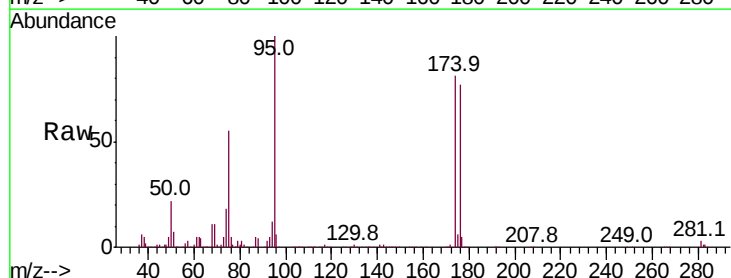
Acq: 13 Aug 2019 03:20

Tgt Ion: 75 Resp: 82672

Ion Ratio Lower Upper

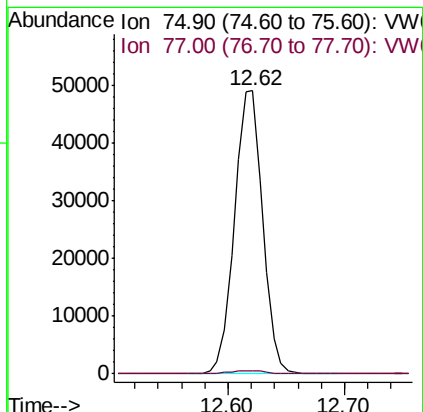
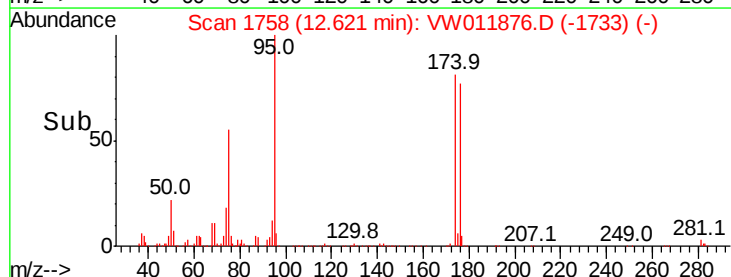
75 100

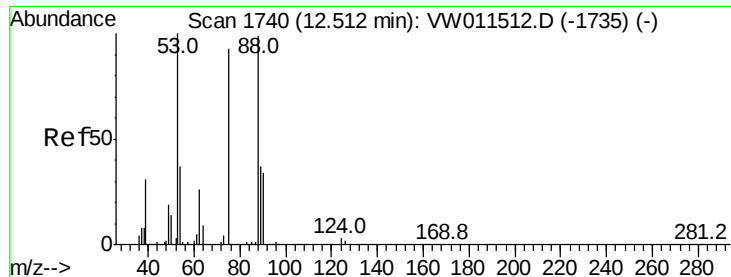
77 1.4 0.0 0.0#



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: 152.354 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW011876.D

Acq: 13 Aug 2019 03:20

Instrument :

MSVOA_W

ClientSampleId :

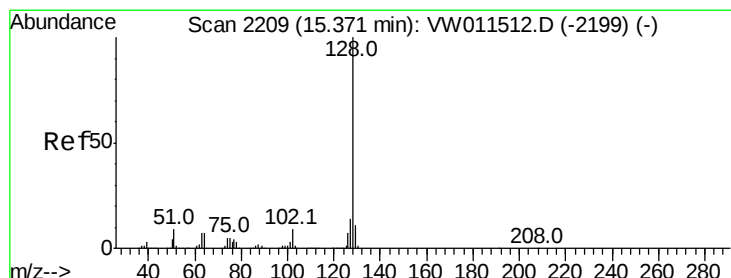
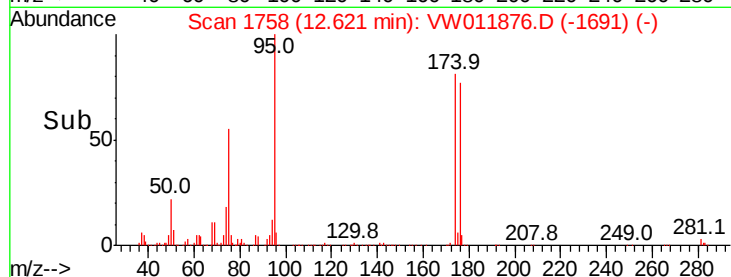
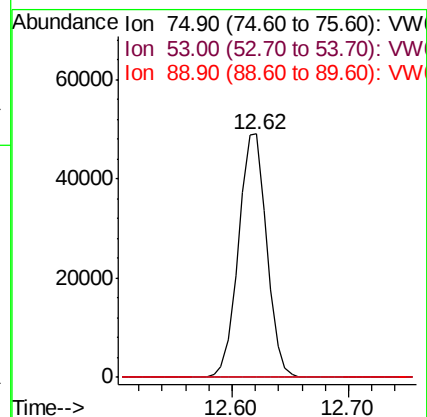
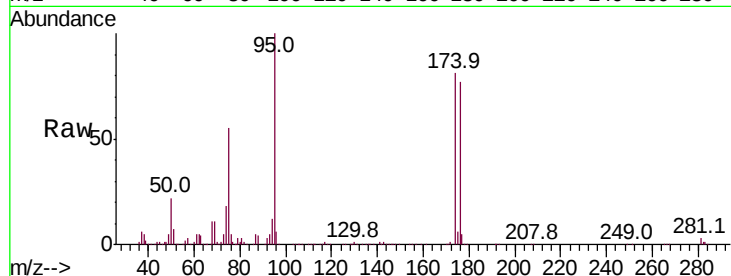
Tot Ion: 75 Resp: 82672

Ion Ratio Lower Upper

75 100

53 0.2 88.0 132.0#

89 0.0 35.3 52.9#



#95

Naphthalene

Concen: 2.208 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW011876.D

Acq: 13 Aug 2019 03:20

Tgt Ion: 128 Resp: 689

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

129 9.4 8.6 13.0

