

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081219\
 Data File : VW011820.D
 Acq On : 09 Aug 2019 19:35
 Operator : SY/VA
 Sample : K4227-02
 Misc : 5.40G/5ML/MSVOA_W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 1S-I(0)

Quant Time: Aug 11 01:29:02 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	207035	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	347085	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	287225	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	110798	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	135005	56.79	ug/l	0.00
Spiked Amount 50.000			Recovery	=	113.58%	
35) Dibromofluoromethane	7.88	113	106060	54.47	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.94%	
50) Toluene-d8	10.32	98	421633	52.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.78%	
62) 4-Bromofluorobenzene	12.62	95	131163	46.15	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.30%	

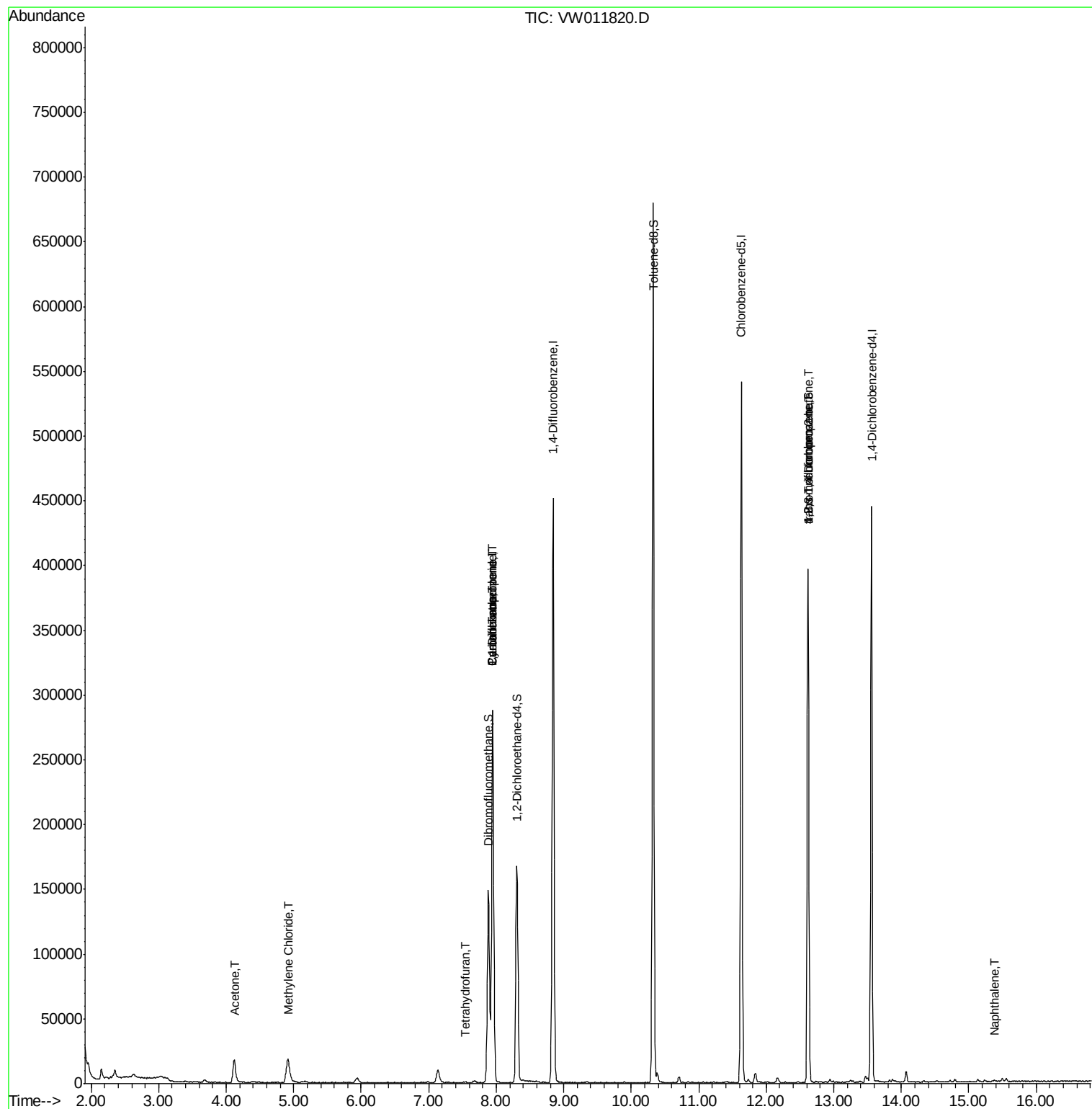
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.16	59	1624	Below Cal	#	79
16) Acetone	4.12	43	32849	43.438	ug/l	99
20) Methylene Chloride	4.92	84	13989	5.364	ug/l	94
29) Tetrahydrofuran	7.54	42	667	1.179	ug/l #	57
31) Cyclohexane	7.95	56	5413	1.218	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	17620	4.882	ug/l #	52
38) Carbon Tetrachloride	7.95	117	20948	6.780	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	70425	60.071	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	70425	138.442	ug/l #	6
95) Naphthalene	15.37	128	884	2.260	ug/l #	89

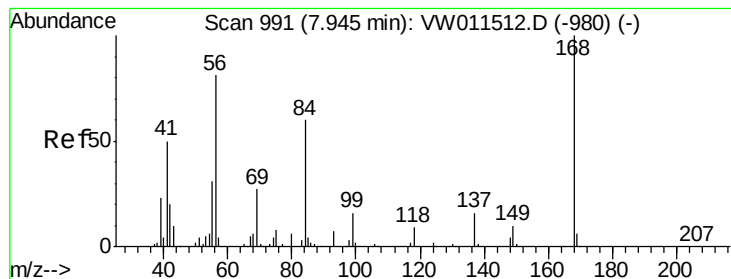
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW081219\
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1S-I-(0)

Quant Time: Aug 11 01:29:02 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 27 00:23:30 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW011820.D

Acq: 09 Aug 2019 19:35

Instrument :

MSVOA_W

ClientSampled :

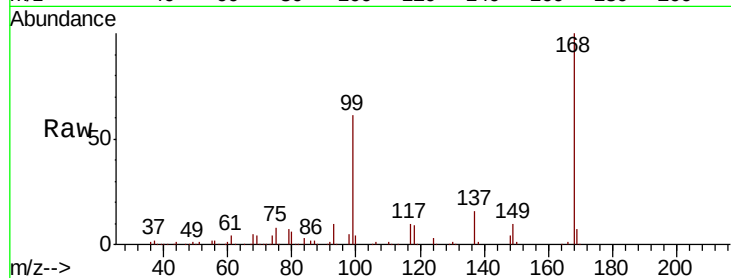
1S-I(0)

Tgt Ion:168 Resp: 207035

Ion Ratio Lower Upper

168 100

99 61.2 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

60000

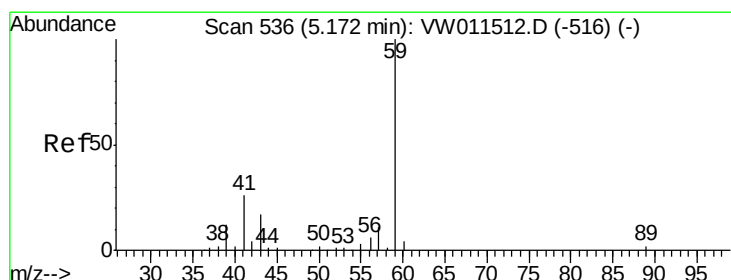
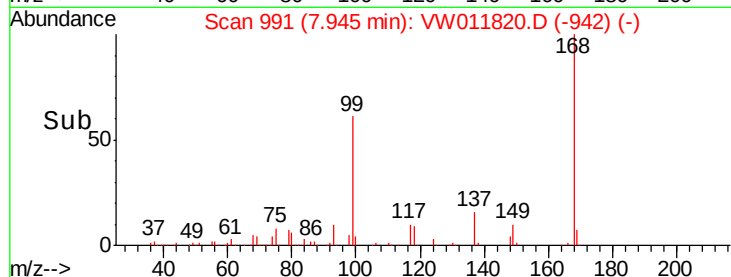
40000

20000

0

7.90 8.00

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.16 min Scan# 534

Delta R.T. -0.01 min

Lab File: VW011820.D

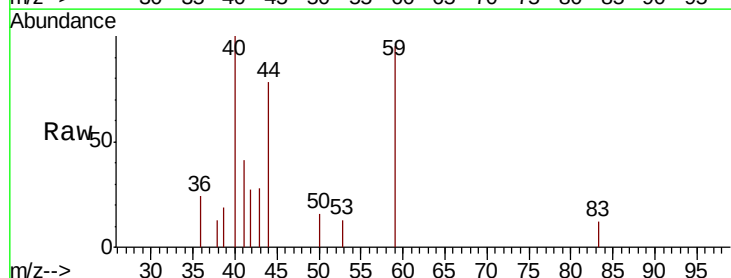
Acq: 09 Aug 2019 19:35

Tgt Ion: 59 Resp: 1624

Ion Ratio Lower Upper

59 100

57 2.5 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.16

500

400

300

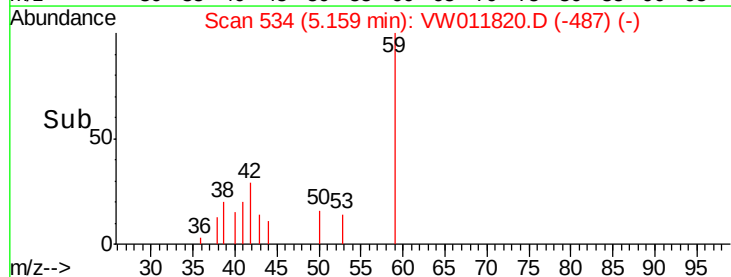
200

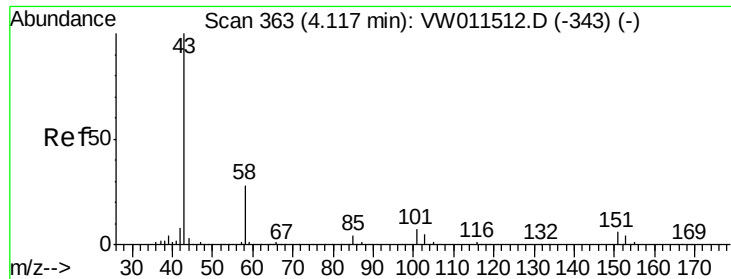
100

0

5.10 5.20 5.30

Time-->





#16

Acetone

Concen: 43.438 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW011820.D

Acq: 09 Aug 2019 19:35

Instrument :

MSVOA_W

ClientSampleId :

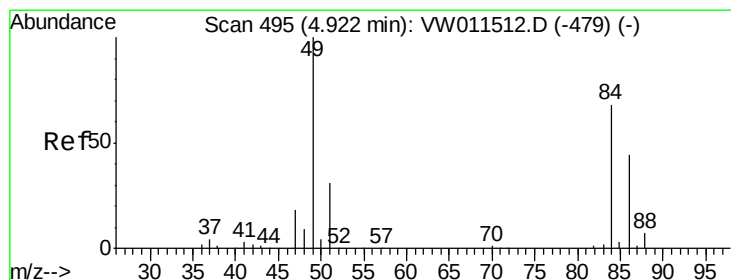
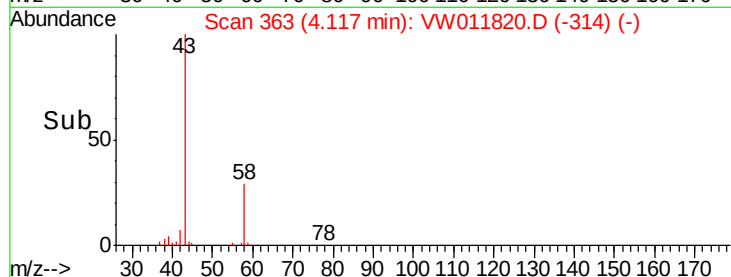
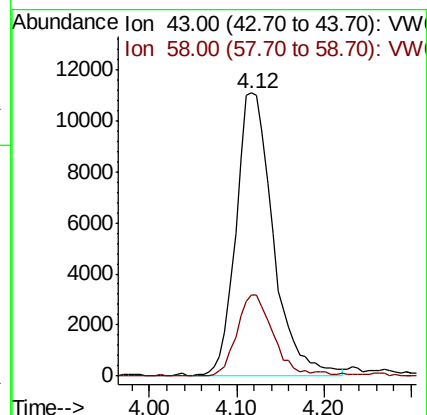
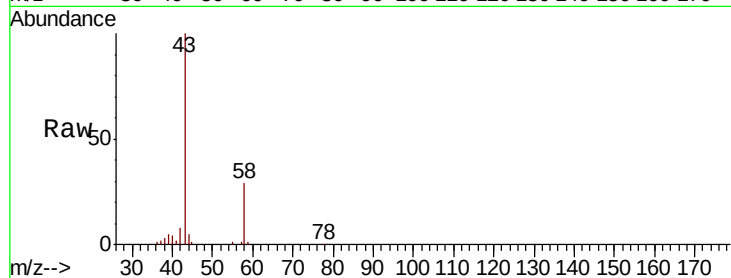
1S-I(0)

Tgt Ion: 43 Resp: 32849

Ion Ratio Lower Upper

43 100

58 28.6 22.3 33.5



#20

Methylene Chloride

Concen: 5.364 ug/l

RT: 4.92 min Scan# 494

Delta R.T. -0.01 min

Lab File: VW011820.D

Acq: 09 Aug 2019 19:35

Tgt Ion: 84 Resp: 13989

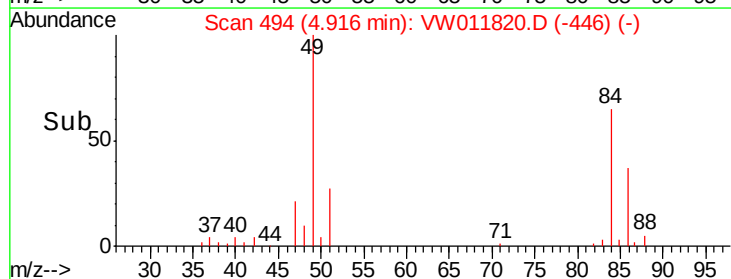
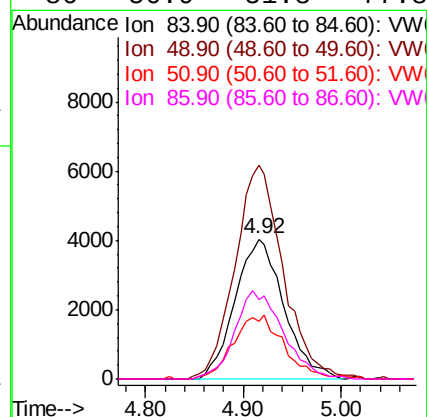
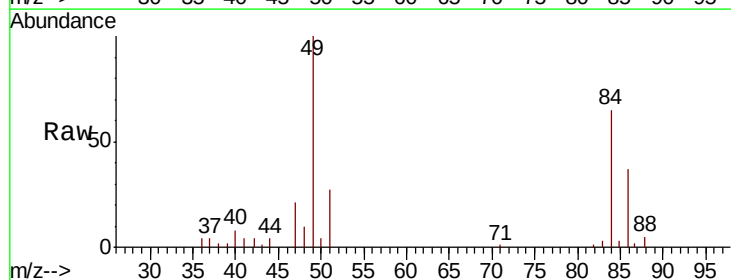
Ion Ratio Lower Upper

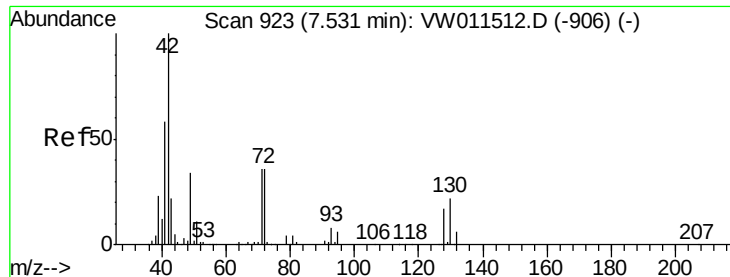
84 100

49 151.4 117.8 176.6

51 40.9 37.0 55.4

86 56.9 51.8 77.8





#29

Tetrahydrofuran

Concen: 1.179 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW011820.D

Acq: 09 Aug 2019 19:35

Instrument :

MSVOA_W

ClientSampleId :

1S-I(0)

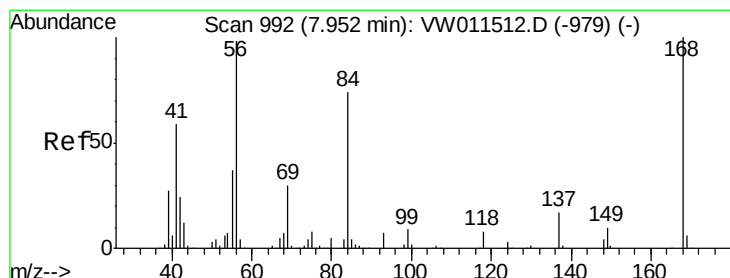
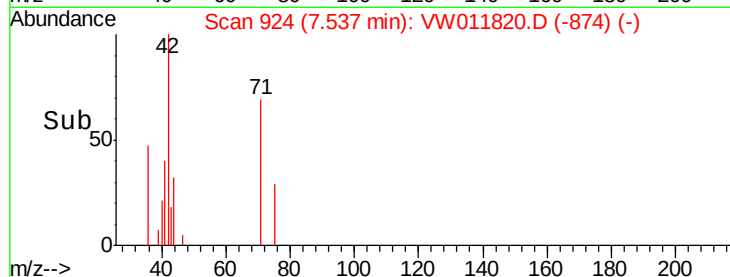
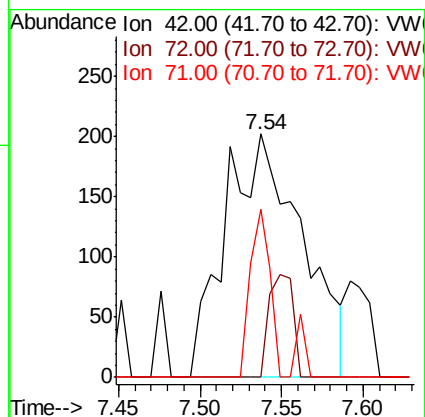
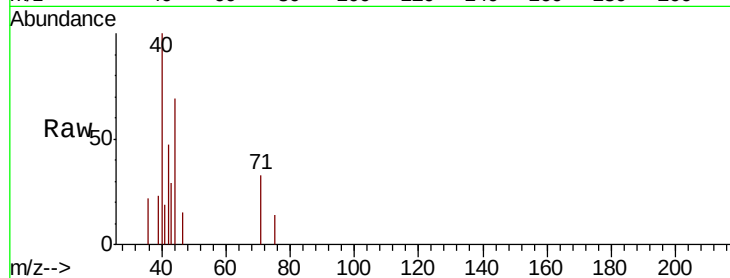
Tgt Ion: 42 Resp: 667

Ion Ratio Lower Upper

42 100

72 0.0 27.1 40.7#

71 17.8 26.2 39.4#



#31

Cyclohexane

Concen: 1.218 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW011820.D

Acq: 09 Aug 2019 19:35

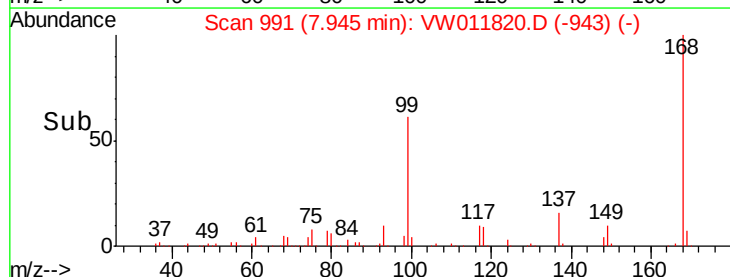
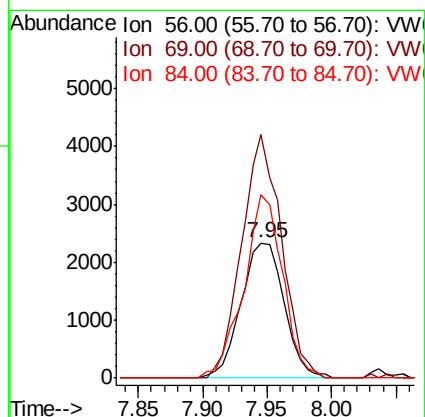
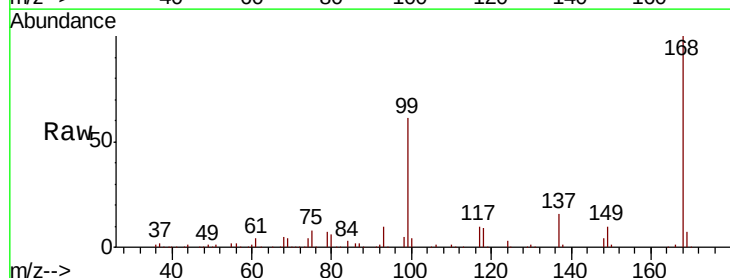
Tgt Ion: 56 Resp: 5413

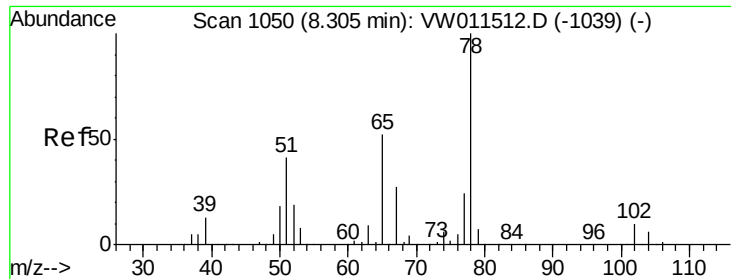
Ion Ratio Lower Upper

56 100

69 180.3 24.3 36.5#

84 135.7 60.4 90.6#

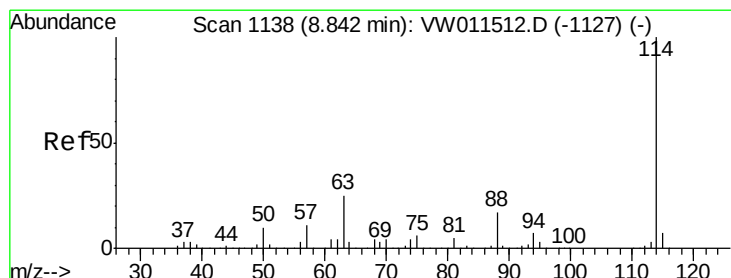
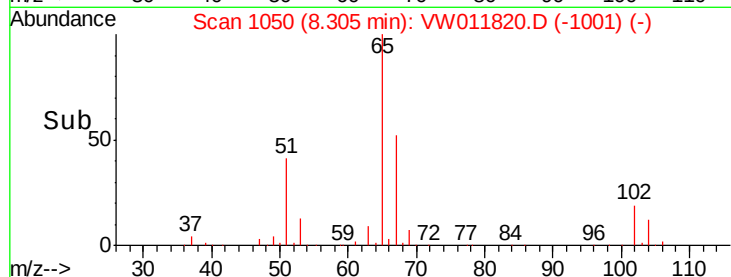
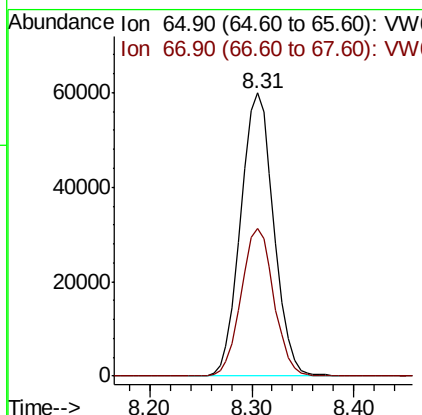
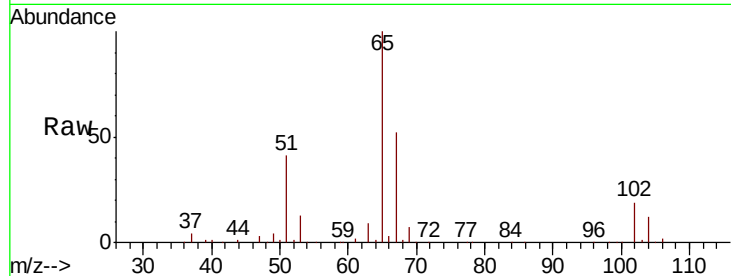




#33
 1,2-Dichloroethane-d4
 Concen: 56.788 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW011820.D
 Acq: 09 Aug 2019 19:35

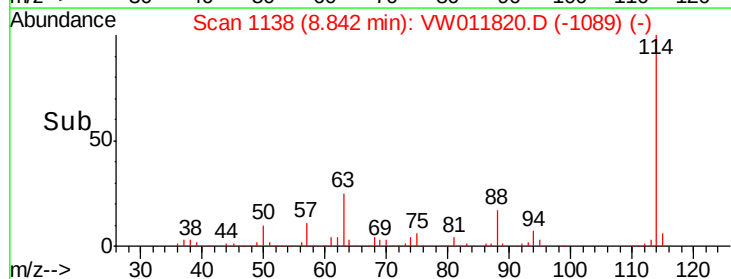
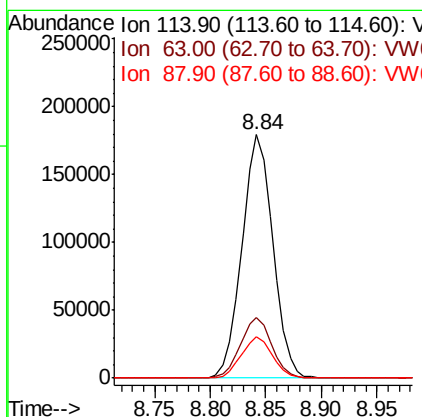
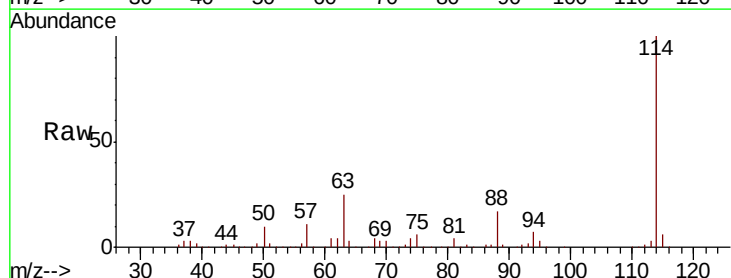
Instrument :
 MSVOA_W
 ClientSampleId :
 1S-I(0)

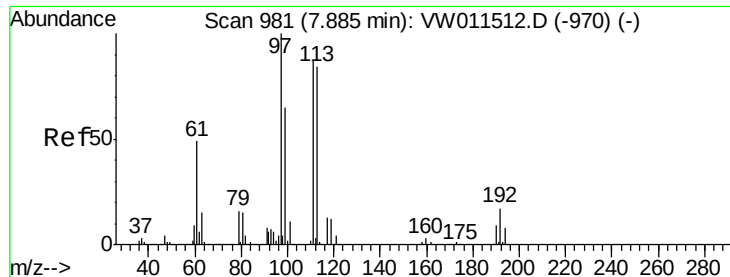
Tgt Ion: 65 Resp: 135005
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011820.D
 Acq: 09 Aug 2019 19:35

Tgt Ion: 114 Resp: 347085
 Ion Ratio Lower Upper
 114 100
 63 24.7 0.0 49.2
 88 17.2 0.0 33.8

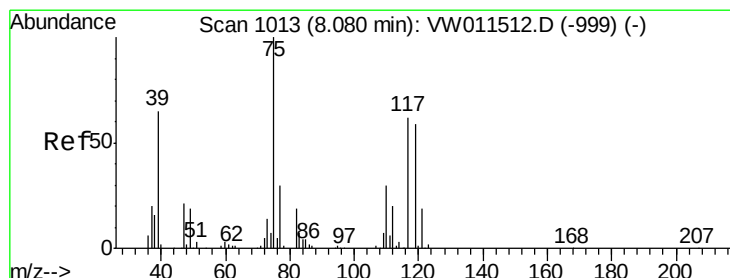
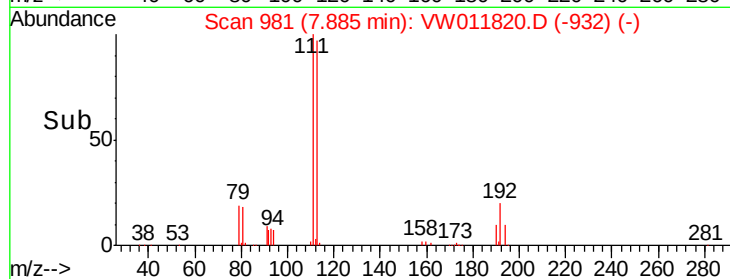
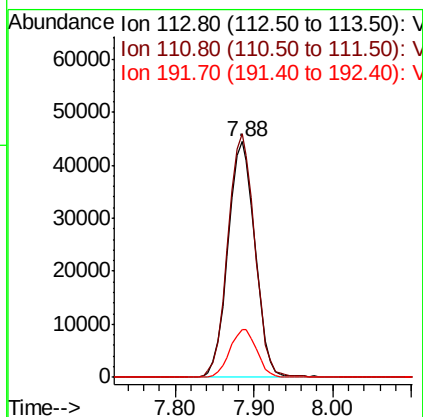
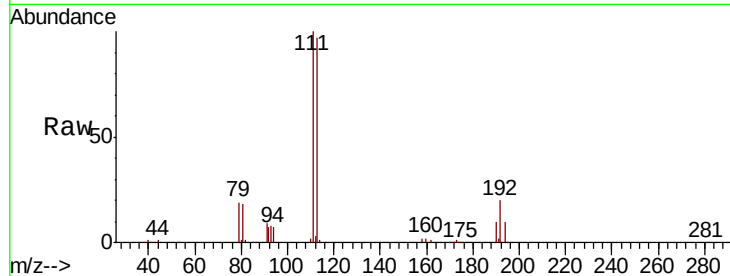




#35
 Dibromofluoromethane
 Concen: 54.468 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW011820.D
 Acq: 09 Aug 2019 19:35

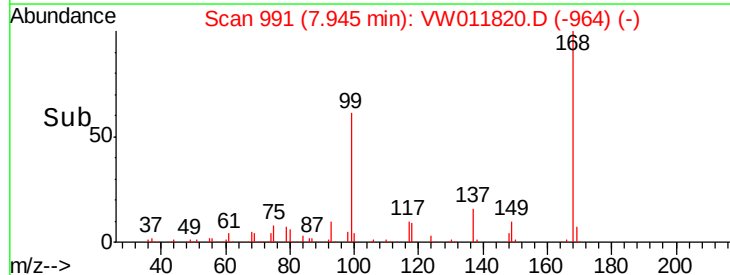
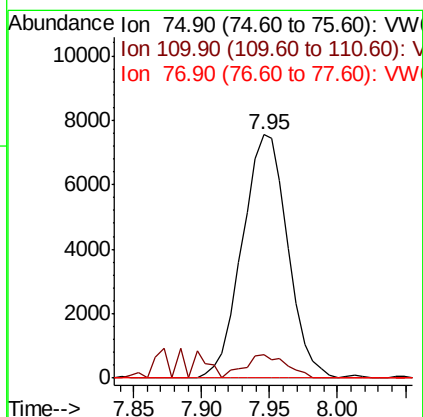
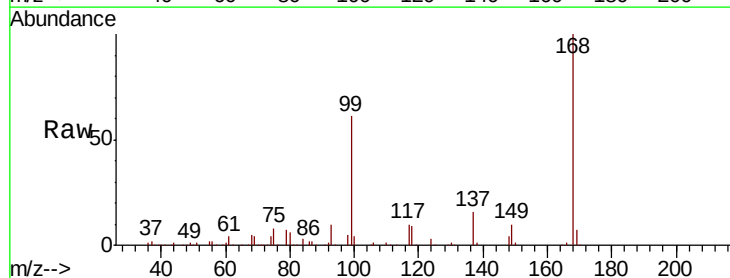
Instrument :
 MSVOA_W
 ClientSampleId :
 1S-I(0)

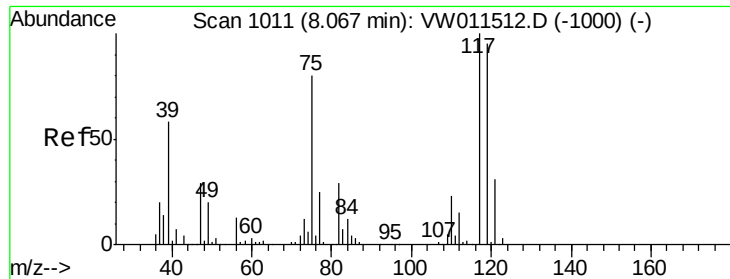
Tgt Ion:113 Resp: 106060
 Ion Ratio Lower Upper
 113 100
 111 102.9 82.7 124.1
 192 20.3 16.1 24.1



#36
 1,1-Dichloropropene
 Concen: 4.882 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW011820.D
 Acq: 09 Aug 2019 19:35

Tgt Ion: 75 Resp: 17620
 Ion Ratio Lower Upper
 75 100
 110 8.9 15.6 46.8#
 77 0.0 24.3 36.5#





#38

Carbon Tetrachloride

Concen: 6.780 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW011820.D

Acq: 09 Aug 2019 19:35

Instrument :

MSVOA_W

ClientSampleId :

1S-I(0)

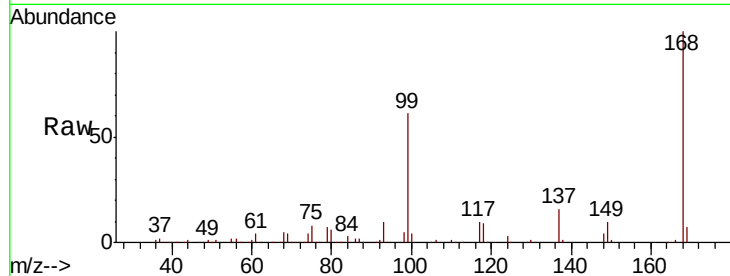
Tgt Ion:117 Resp: 20948

Ion Ratio Lower Upper

117 100

119 4.9 75.8 113.6#

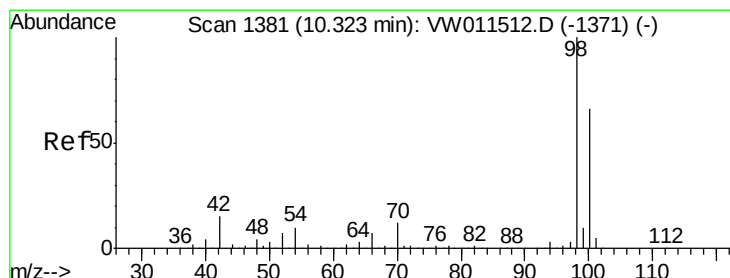
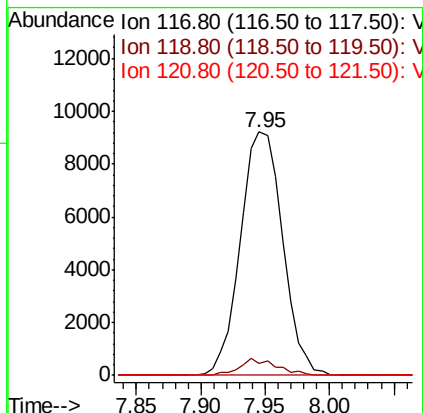
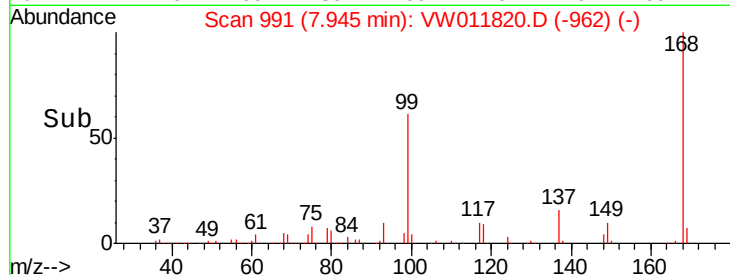
121 0.0 24.7 37.1#



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: 52.886 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW011820.D

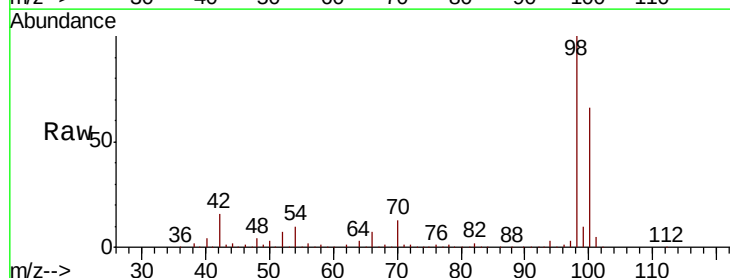
Acq: 09 Aug 2019 19:35

Tgt Ion: 98 Resp: 421633

Ion Ratio Lower Upper

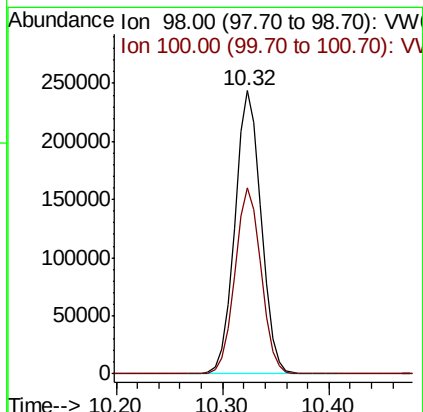
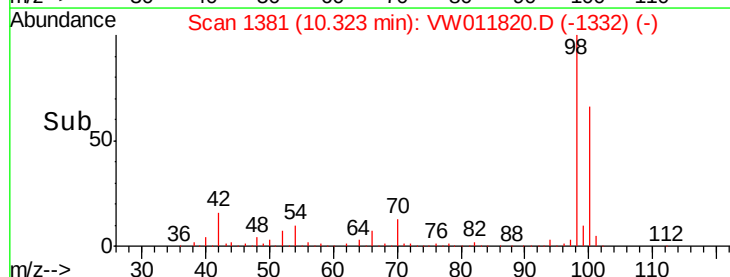
98 100

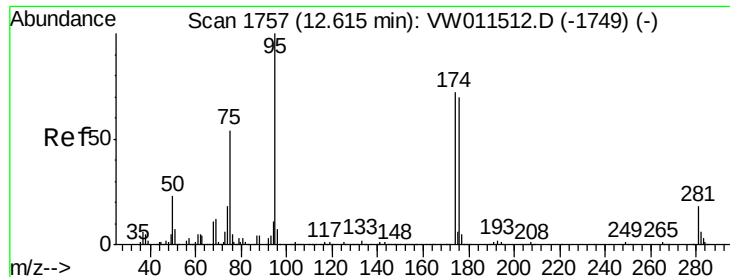
100 65.7 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 46.146 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.01 min

Lab File: VW011820.D

Acq: 09 Aug 2019 19:35

Instrument :

MSVOA_W

ClientSampleId :

1S-I-(0)

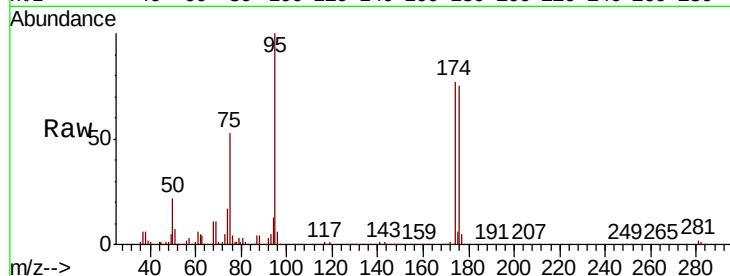
Tgt Ion: 95 Resp: 131163

Ion Ratio Lower Upper

95 100

174 75.9 0.0 150.2

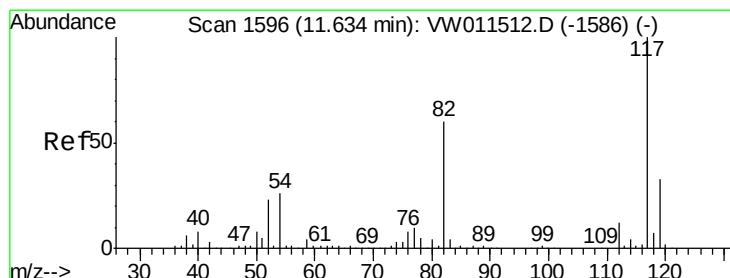
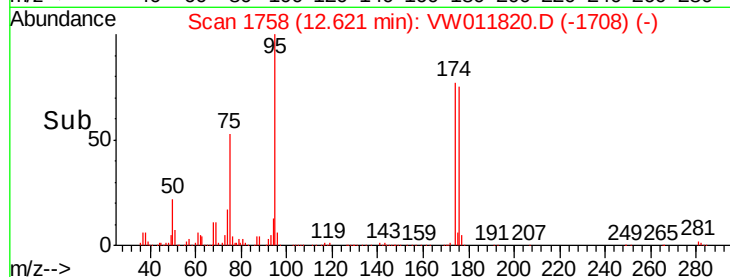
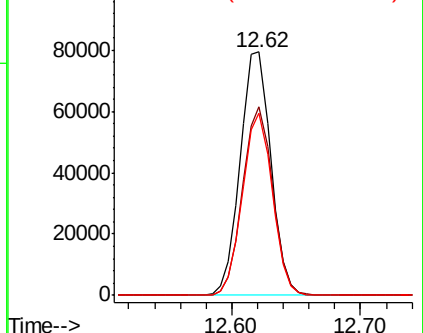
176 72.8 0.0 144.4



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: VW011820.D

Acq: 09 Aug 2019 19:35

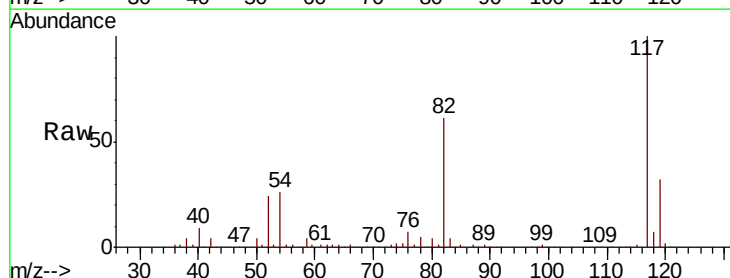
Tgt Ion: 117 Resp: 287225

Ion Ratio Lower Upper

117 100

82 60.7 47.9 71.9

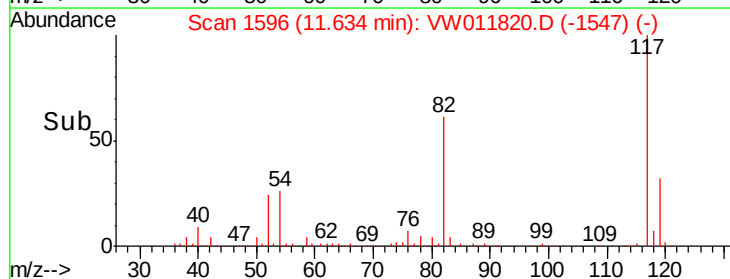
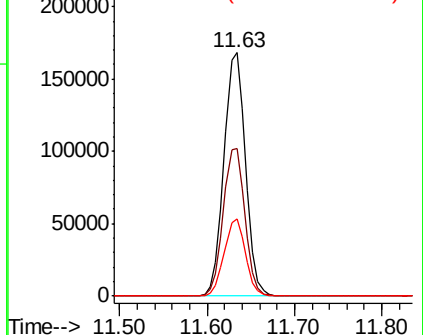
119 31.5 26.2 39.2

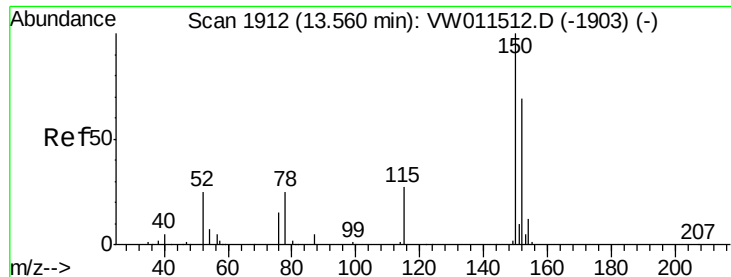


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW011820.D

Acq: 09 Aug 2019 19:35

Instrument :

MSVOA_W

ClientSampleId :

1S-I(0)

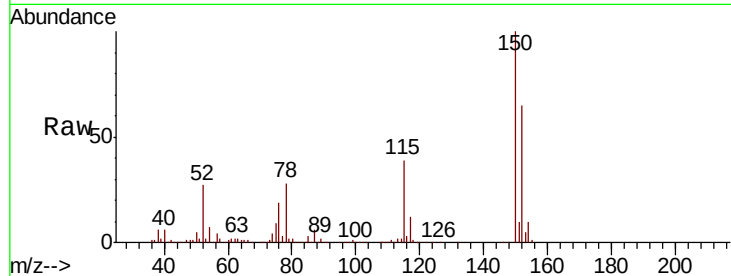
Tgt Ion:152 Resp: 110798

Ion Ratio Lower Upper

152 100

115 60.2 30.5 91.5

150 157.2 0.0 352.6

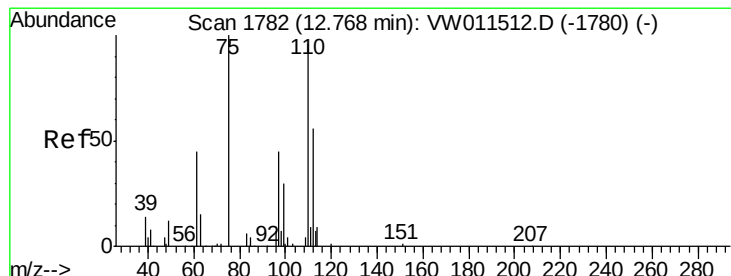
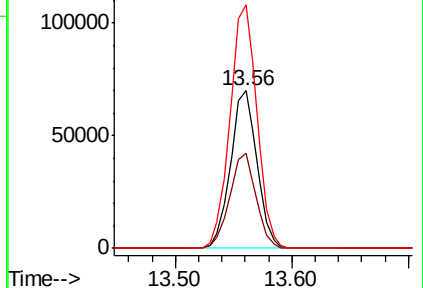
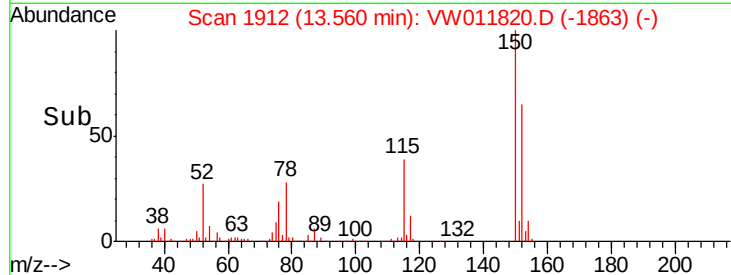


Abundance

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: 60.071 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011820.D

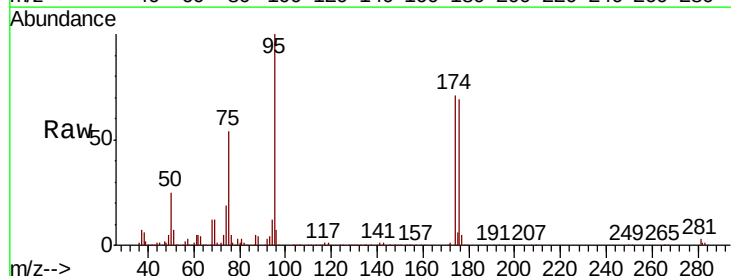
Acq: 09 Aug 2019 19:35

Tgt Ion: 75 Resp: 70425

Ion Ratio Lower Upper

75 100

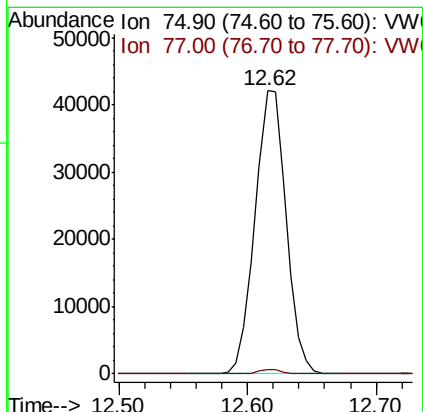
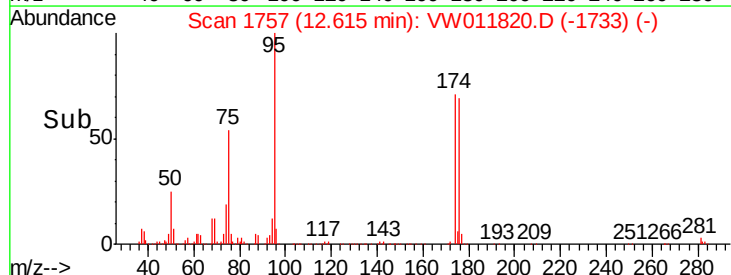
77 1.3 0.0 0.0#

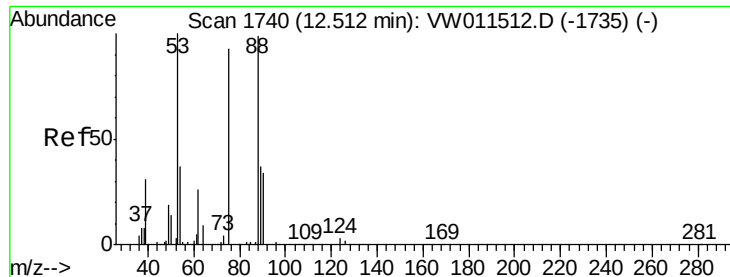


Abundance

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: 138.442 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011820.D

Acq: 09 Aug 2019 19:35

Instrument :

MSVOA_W

ClientSampleId :

1S-I(0)

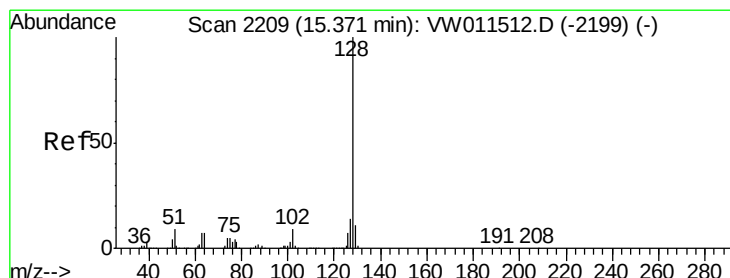
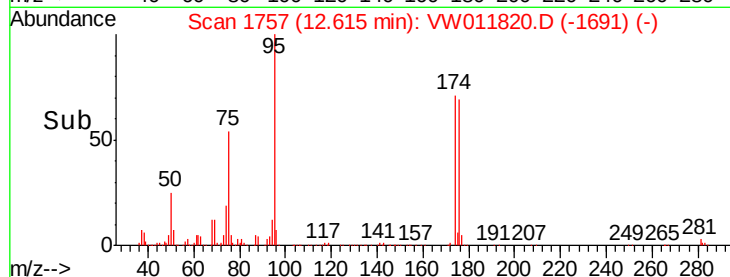
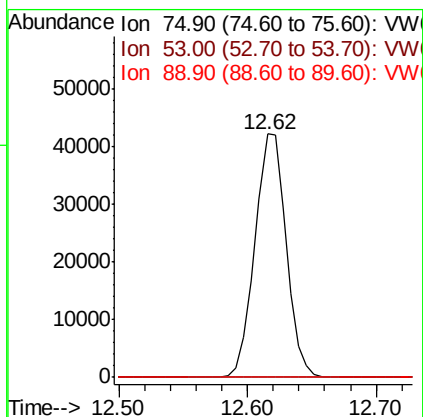
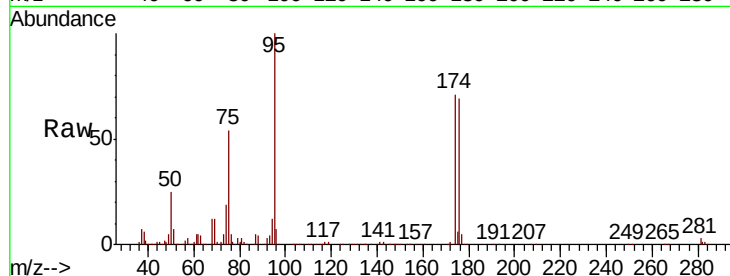
Tgt Ion: 75 Resp: 70425

Ion Ratio Lower Upper

75 100

53 0.1 88.0 132.0#

89 0.1 35.3 52.9#



#95

Naphthalene

Concen: 2.260 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW011820.D

Acq: 09 Aug 2019 19:35

Tgt Ion: 128 Resp: 884

Ion Ratio Lower Upper

128 100

127 17.8 10.6 16.0#

129 7.1 8.6 13.0#

