

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW080419\
 Data File : VW011688.D
 Acq On : 04 Aug 2019 02:57
 Operator : SY/VA
 Sample : K4135-17
 Misc : 5.90G/5ML/MSVOA W/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 1S-B1-(30)

Quant Time: Aug 05 01:06:24 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	201754	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	338190	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	264883	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	92799	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	128994	55.68	ug/l	0.00
Spiked Amount			Recovery	=	111.36%	
35) Dibromofluoromethane	7.88	113	103959	54.79	ug/l	0.00
Spiked Amount			Recovery	=	109.58%	
50) Toluene-d8	10.32	98	377446	48.59	ug/l	0.00
Spiked Amount			Recovery	=	97.18%	
62) 4-Bromofluorobenzene	12.62	95	111171	40.14	ug/l	0.00
Spiked Amount			Recovery	=	80.28%	

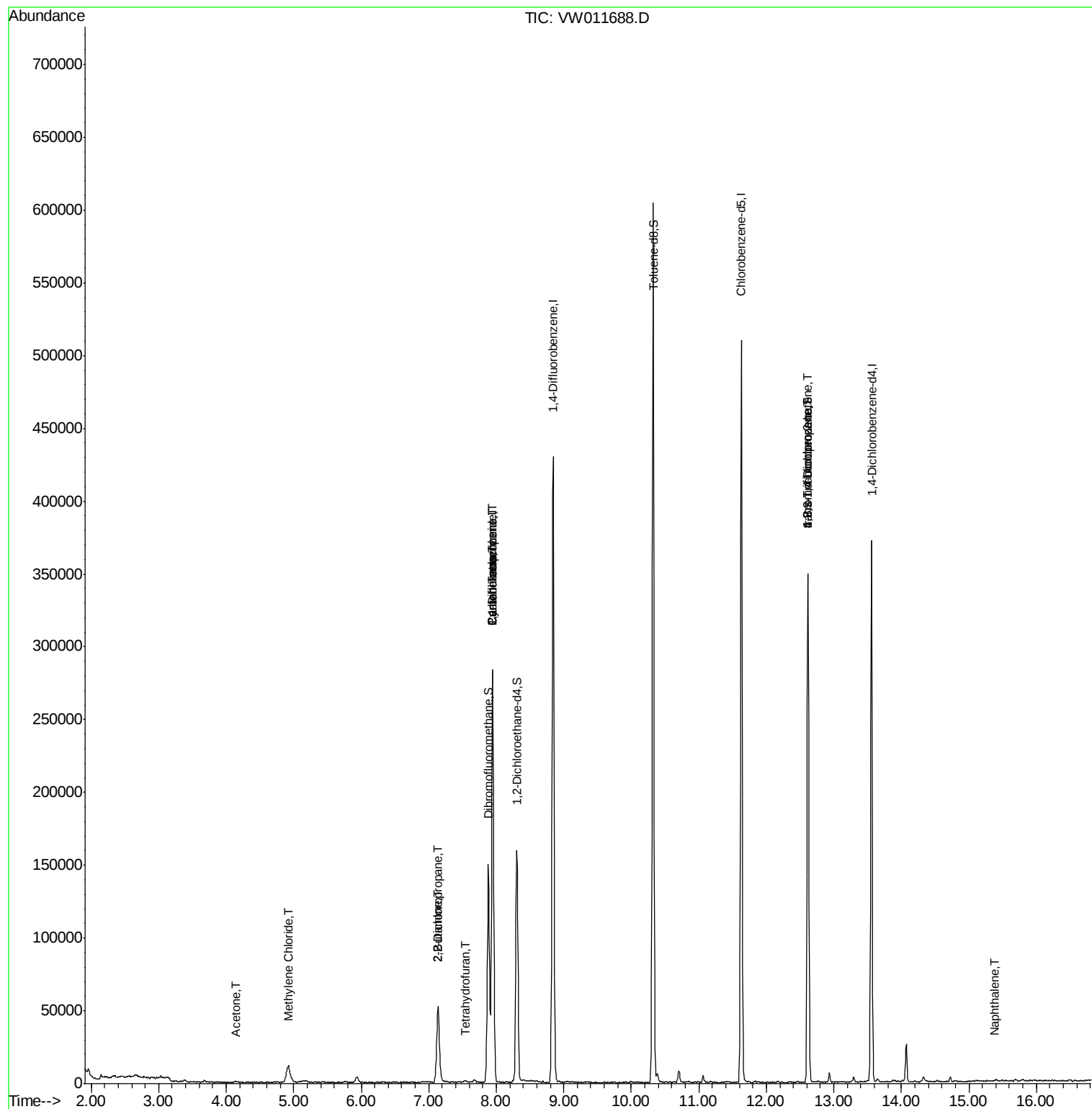
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.15	59	1173	Below Cal	#	77
16) Acetone	4.14	43	1207	1.638	ug/l #	77
20) Methylene Chloride	4.92	84	8758	3.446	ug/l	98
25) 2-Butanone	7.13	43	3348	3.472	ug/l #	82
26) 2,2-Dichloropropane	7.14	77	3573	1.287	ug/l #	54
29) Tetrahydrofuran	7.54	42	1039	1.885	ug/l #	77
31) Cyclohexane	7.94	56	5189	1.198	ug/l #	9
36) 1,1-Dichloropropene	7.95	75	18216	5.180	ug/l #	53
38) Carbon Tetrachloride	7.95	117	21288	7.071	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	60420	61.533	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	60420	141.811	ug/l #	6
95) Naphthalene	15.38	128	490	2.194	ug/l #	76

(#) = 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: VW011688.D

Acq: 04 Aug 2019 02:57

Instrument :

MSVOA_W

ClientSampleId :

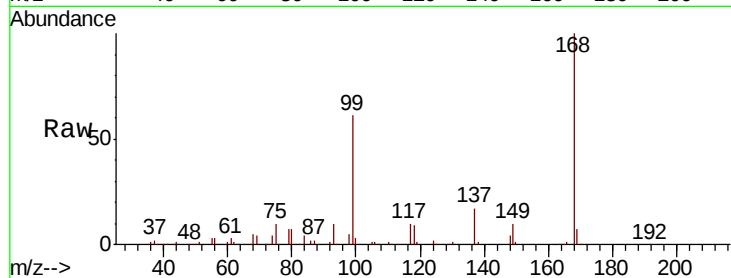
1S-B1-(30)

Tot Ion:168 Resp: 201754

Ion Ratio Lower Upper

168 100

99 61.1 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

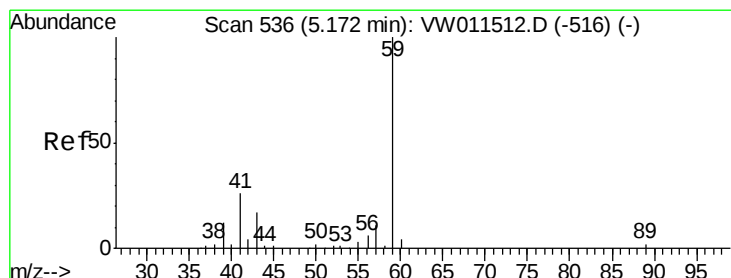
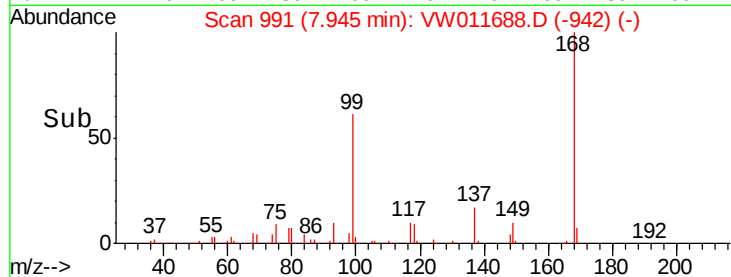
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.15 min Scan# 533

Delta R.T. -0.02 min

Lab File: VW011688.D

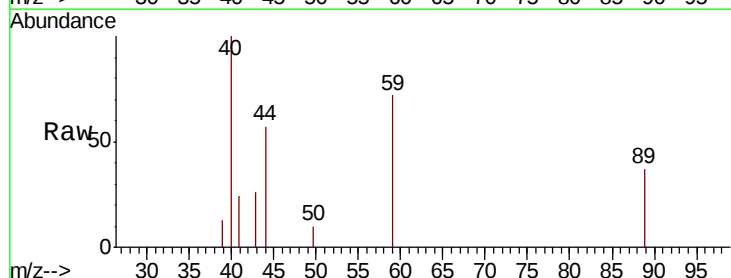
Acq: 04 Aug 2019 02:57

Tgt Ion: 59 Resp: 1173

Ion Ratio Lower Upper

59 100

57 1.8 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.15

500

400

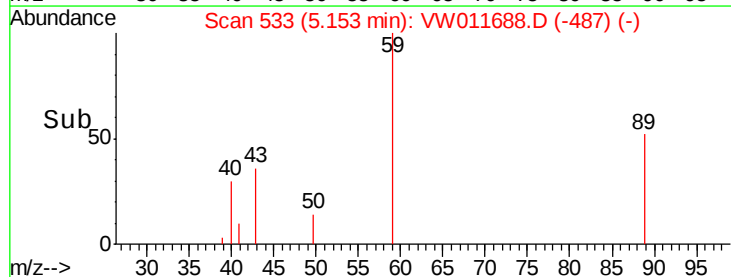
300

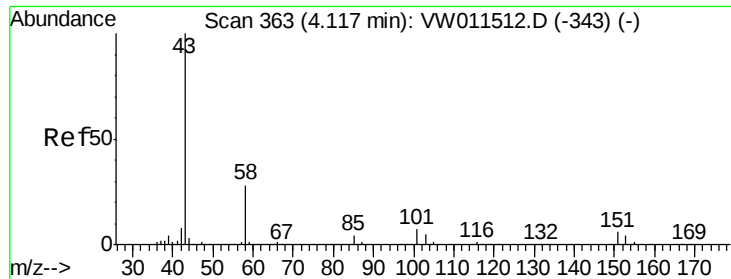
200

100

0

Time-->





#16

Acetone

Concen: 1.638 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.02 min

Lab File: VW011688.D

Acq: 04 Aug 2019 02:57

Instrument :

MSVOA_W

ClientSampleId :

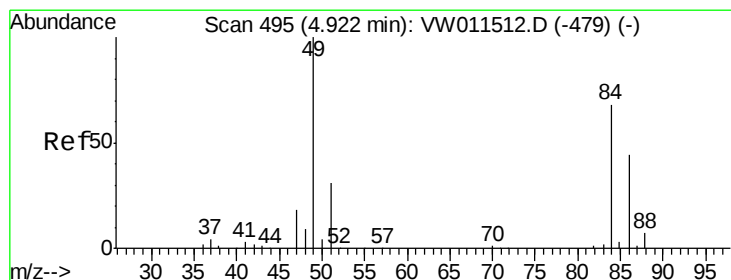
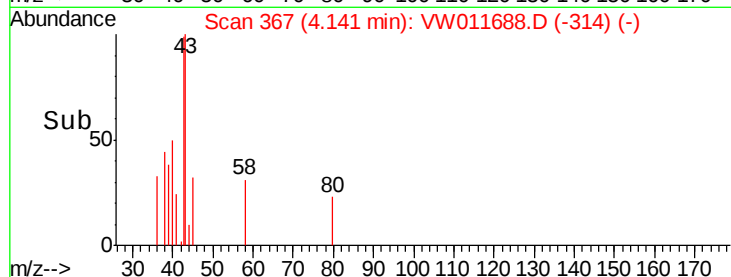
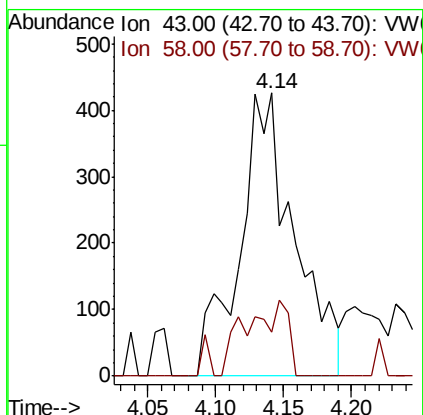
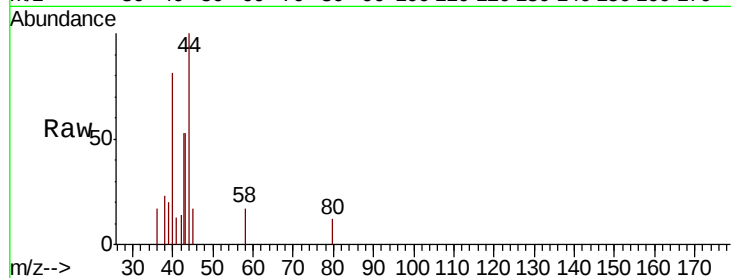
1S-B1-(30)

Tot Ion: 43 Resp: 1207

Ion Ratio Lower Upper

43 100

58 15.7 22.3 33.5#



#20

Methylene Chloride

Concen: 3.446 ug/l

RT: 4.92 min Scan# 495

Delta R.T. -0.00 min

Lab File: VW011688.D

Acq: 04 Aug 2019 02:57

Tgt Ion: 84 Resp: 8758

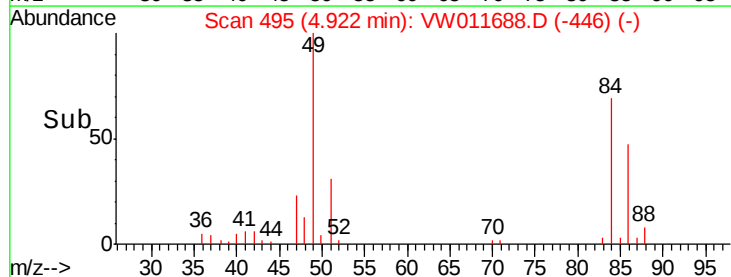
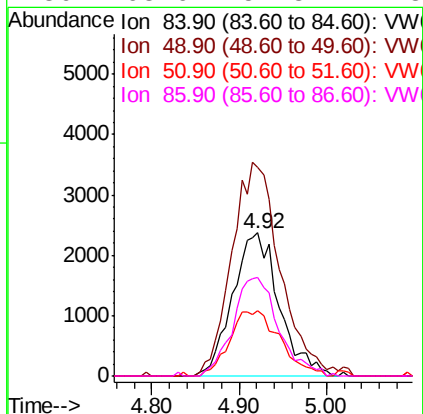
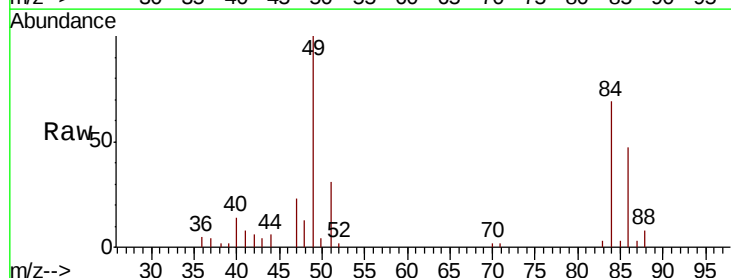
Ion Ratio Lower Upper

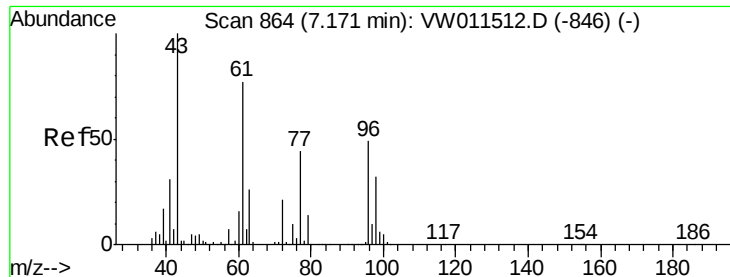
84 100

49 145.2 117.8 176.6

51 45.2 37.0 55.4

86 68.6 51.8 77.8





#25

2-Butanone

Concen: 3.472 ug/l

RT: 7.13 min Scan# 858

Delta R.T. -0.04 min

Lab File: VW011688.D

Acq: 04 Aug 2019 02:57

Instrument :

MSVOA_W

ClientSampled :

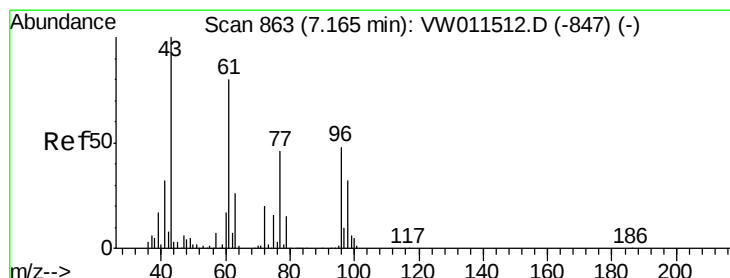
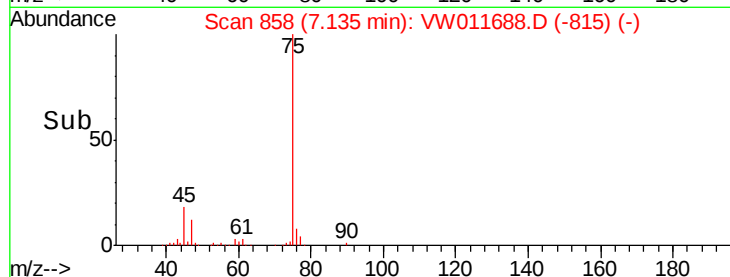
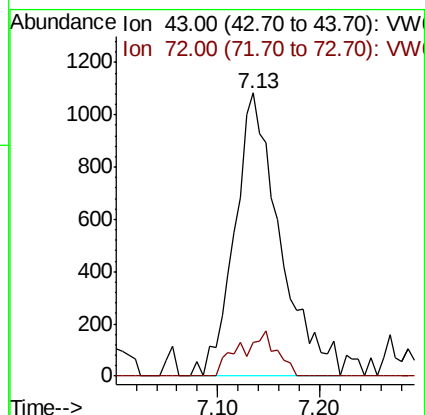
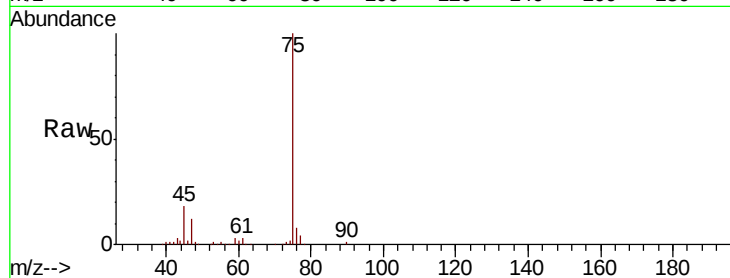
1S-B1-(30)

Tot Ion: 43 Resp: 3348

Ion Ratio Lower Upper

43 100

72 12.2 16.6 24.8#



#26

2,2-Dichloropropane

Concen: 1.287 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.02 min

Lab File: VW011688.D

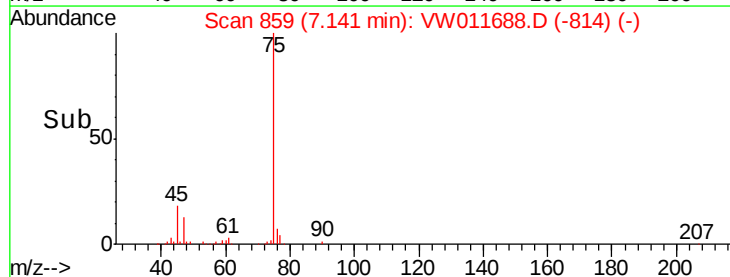
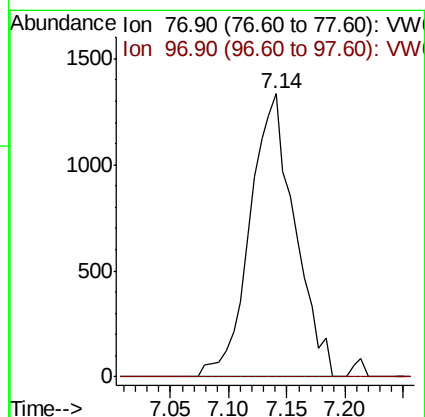
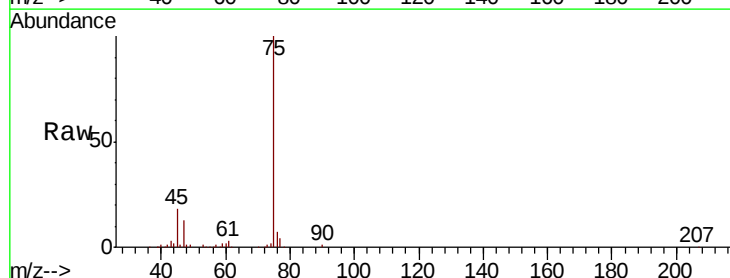
Acq: 04 Aug 2019 02:57

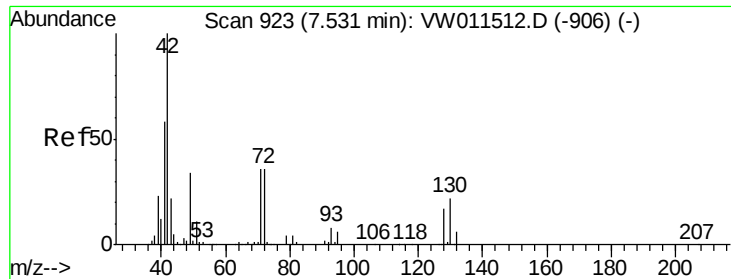
Tgt Ion: 77 Resp: 3573

Ion Ratio Lower Upper

77 100

97 0.0 10.8 32.4#

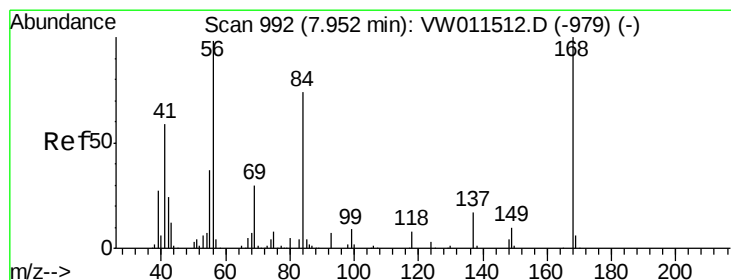
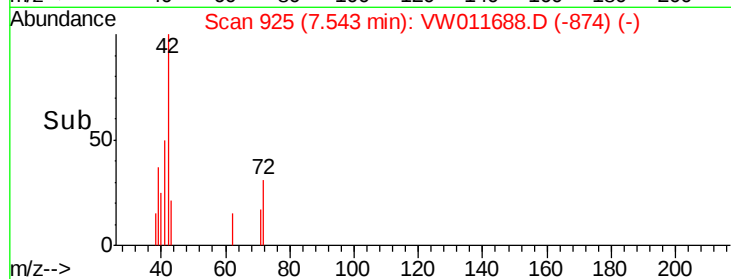
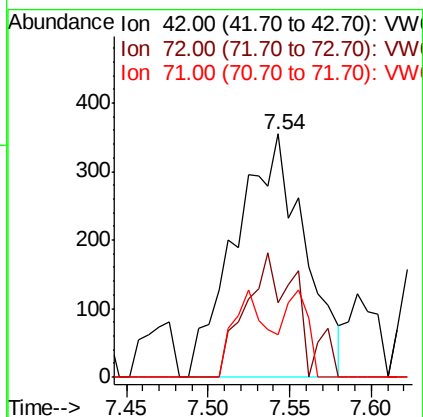
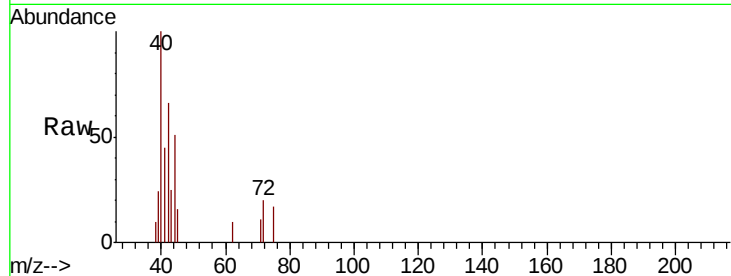




#29
Tetrahydrofuran
Concen: 1.885 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.01 min
Lab File: VW011688.D
Acq: 04 Aug 2019 02:57

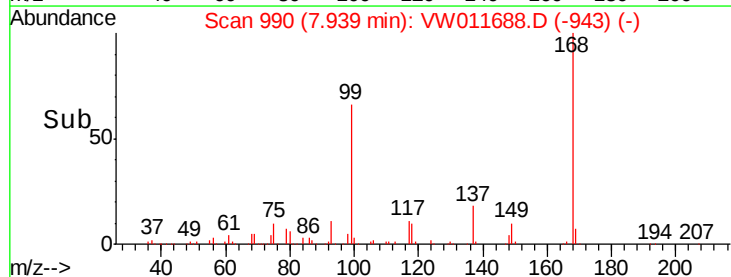
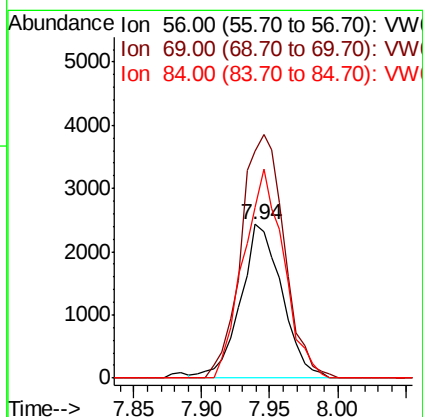
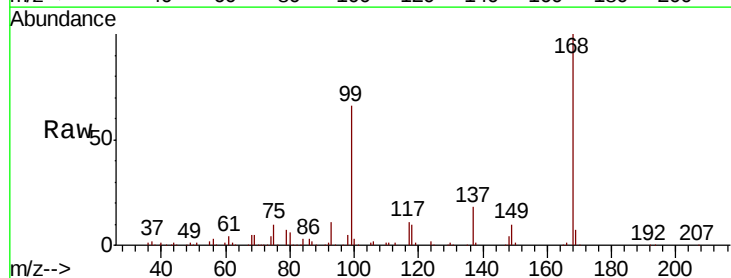
Instrument :
MSVOA_W
ClientSampleId :
1S-B1-(30)

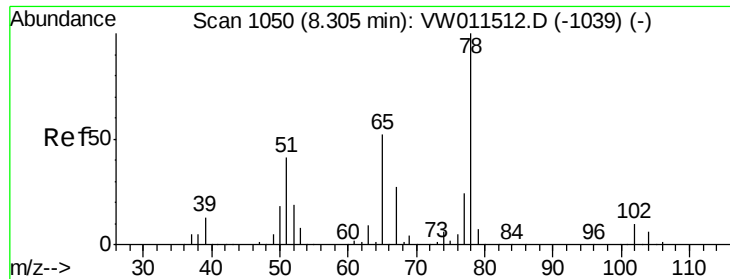
Tot Ion	Ratio	Lower	Upper
42	100		
72	38.4	27.1	40.7
71	11.4	26.2	39.4



#31
Cyclohexane
Concen: 1.198 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW011688.D
Acq: 04 Aug 2019 02:57

Tgt Ion	Ratio	Lower	Upper
56	100		
69	147.6	24.3	36.5
84	111.1	60.4	90.6

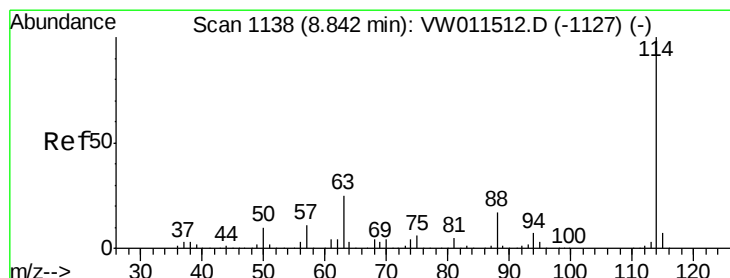
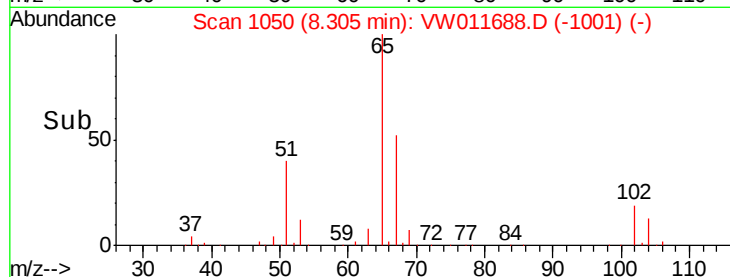
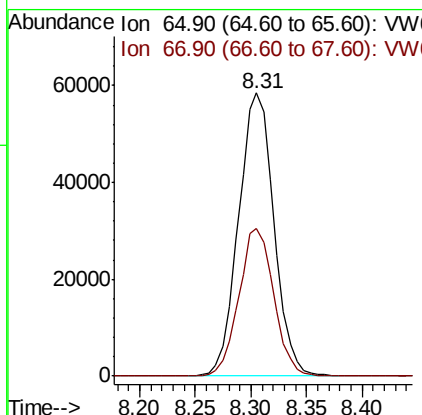
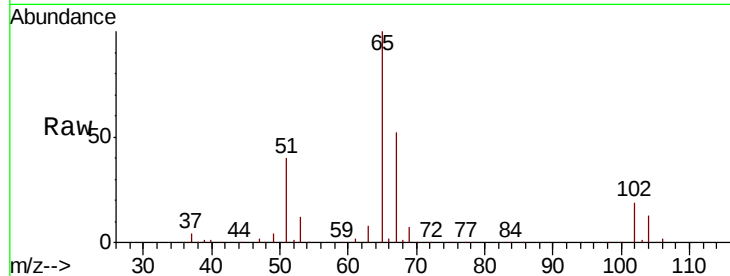




#33
 1,2-Dichloroethane-d4
 Concen: 55.680 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW011688.D
 Acq: 04 Aug 2019 02:57

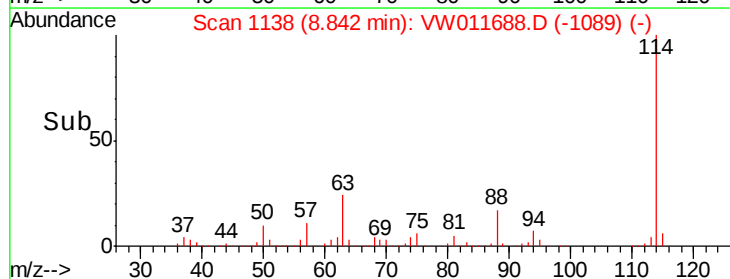
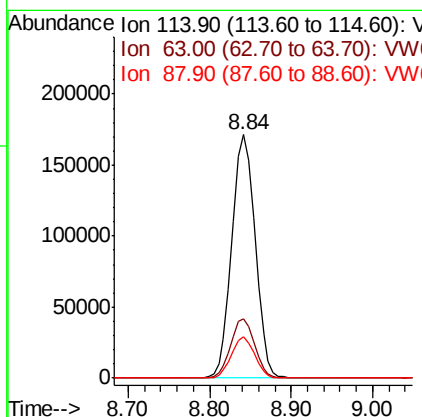
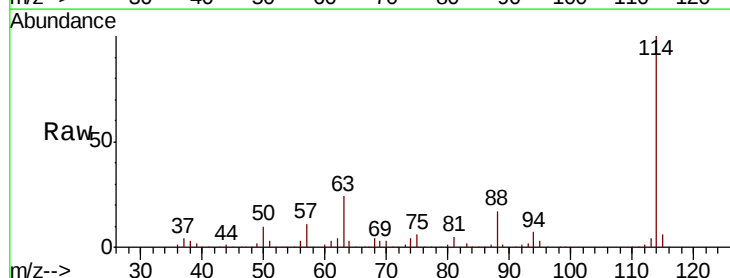
Instrument :
 MSVOA_W
 ClientSampleId :
 1S-B1-(30)

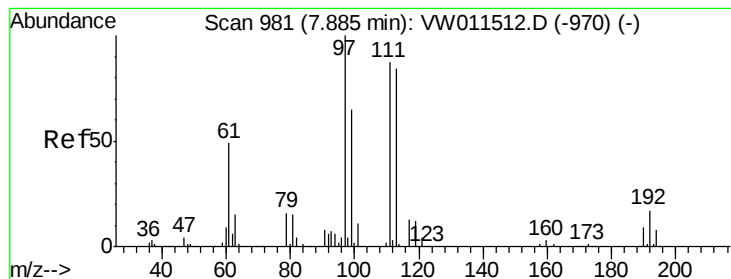
Tot Ion: 65 Resp: 128994
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011688.D
 Acq: 04 Aug 2019 02:57

Tgt Ion: 114 Resp: 338190
 Ion Ratio Lower Upper
 114 100
 63 24.2 0.0 49.2
 88 16.8 0.0 33.8





#35

Dibromofluoromethane

Concen: 54.793 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW011688.D

Acq: 04 Aug 2019 02:57

Instrument :

MSVOA_W

ClientSampleId :

1S-B1-(30)

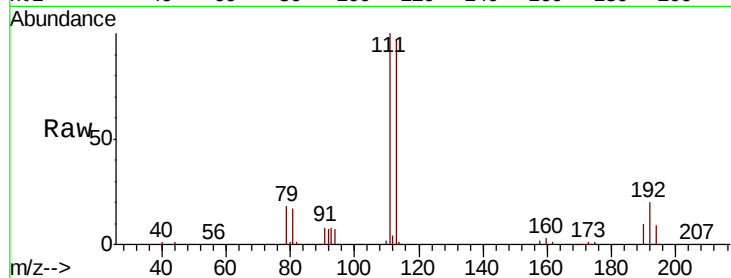
Tot Ion:113 Resp: 103959

Ion Ratio Lower Upper

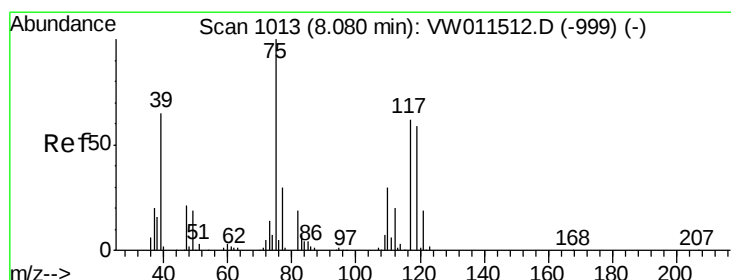
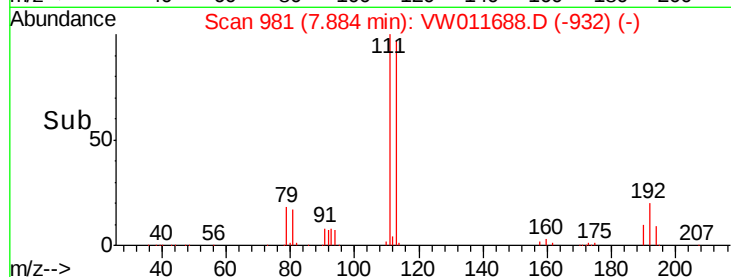
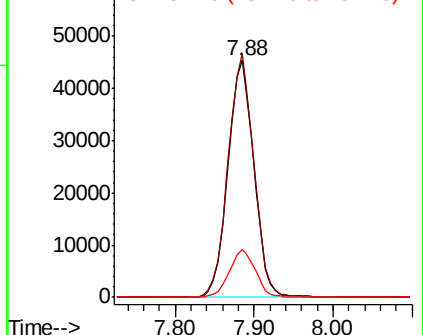
113 100

111 102.6 82.7 124.1

192 20.2 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: 5.180 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW011688.D

Acq: 04 Aug 2019 02:57

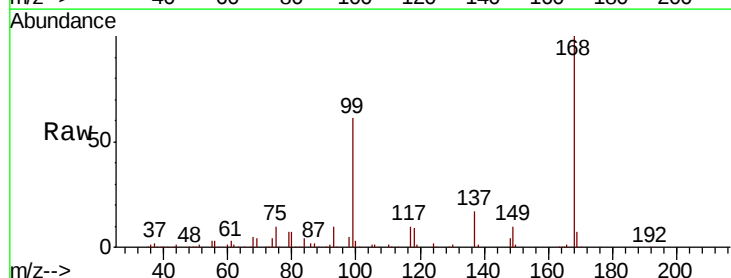
Tgt Ion: 75 Resp: 18216

Ion Ratio Lower Upper

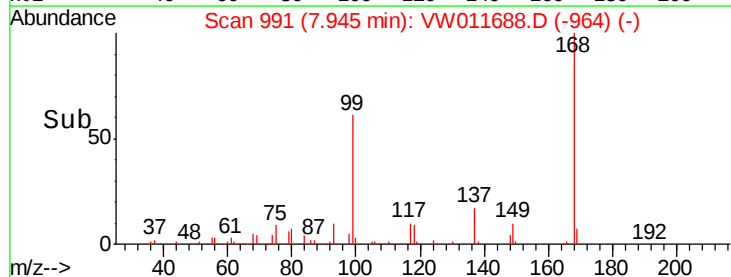
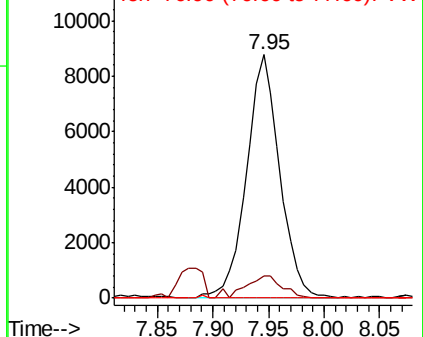
75 100

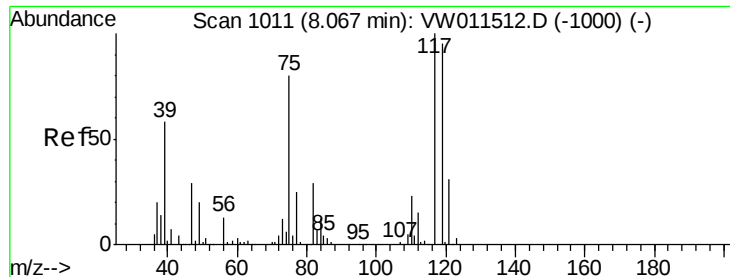
110 10.1 15.6 46.8#

77 0.0 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: 7.071 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW011688.D

Acq: 04 Aug 2019 02:57

Instrument :

MSVOA_W

ClientSampleId :

1S-B1-(30)

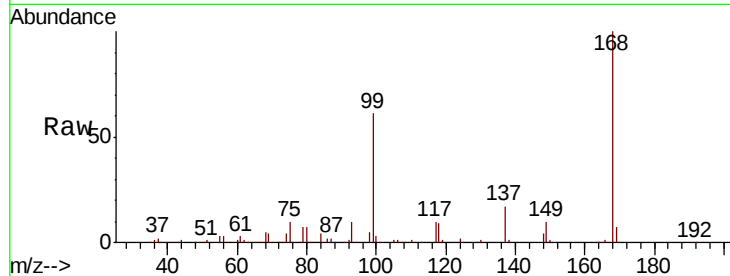
Tot Ion:117 Resp: 21288

Ion Ratio Lower Upper

117 100

119 6.3 75.8 113.6#

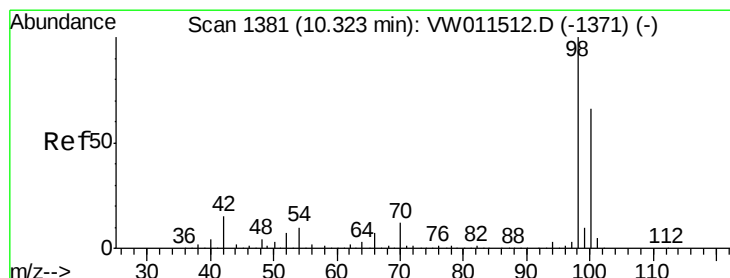
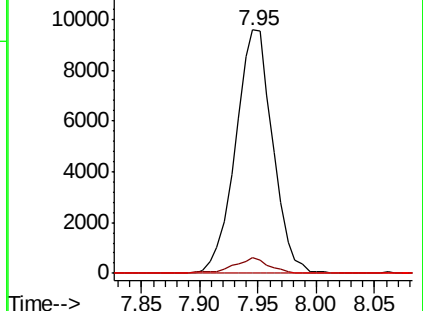
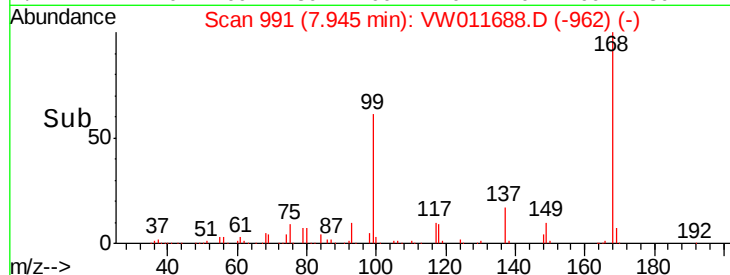
121 0.0 24.7 37.1#



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: 48.589 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW011688.D

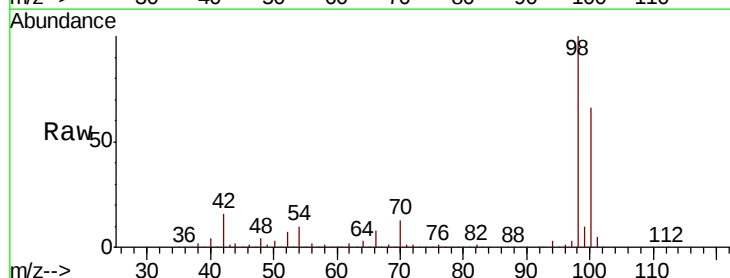
Acq: 04 Aug 2019 02:57

Tgt Ion: 98 Resp: 377446

Ion Ratio Lower Upper

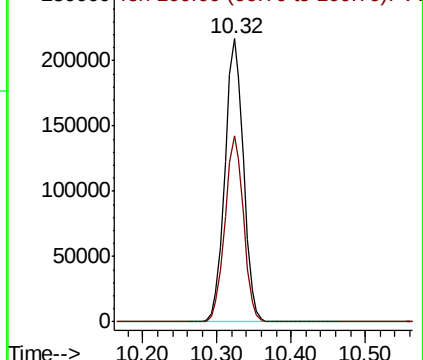
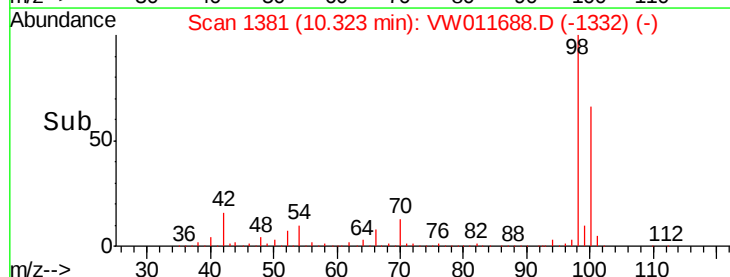
98 100

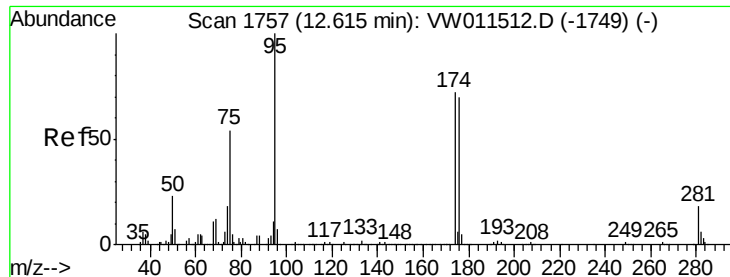
100 65.7 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 40.141 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW011688.D

Acq: 04 Aug 2019 02:57

Instrument :

MSVOA_W

ClientSampleId :

1S-B1-(30)

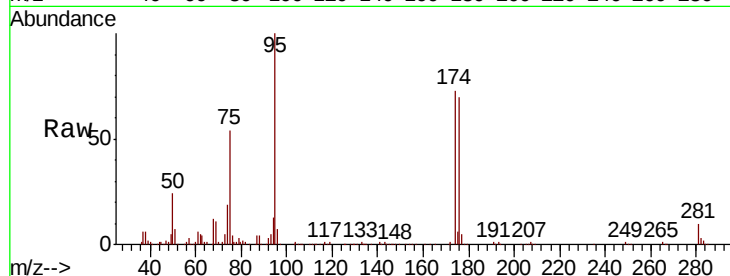
Tot Ion: 95 Resp: 111171

Ion Ratio Lower Upper

95 100

174 77.0 0.0 150.2

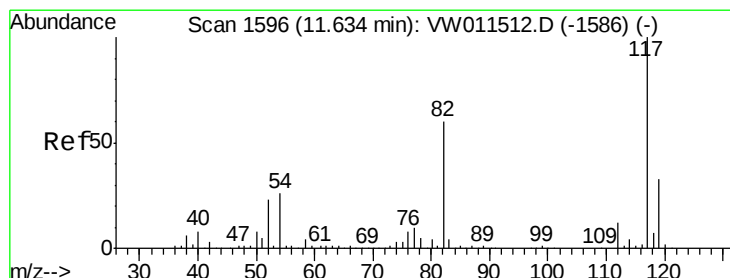
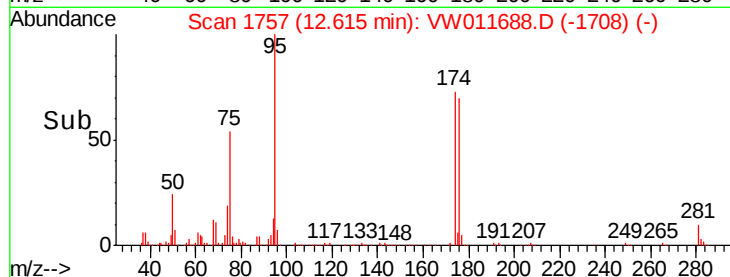
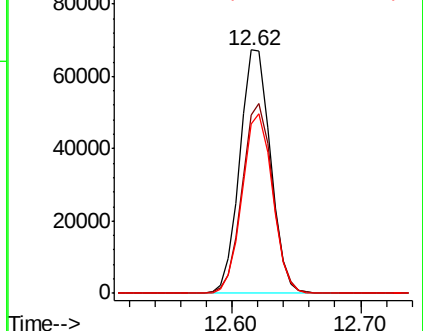
176 73.1 0.0 144.4



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# 1595

Delta R.T. -0.01 min

Lab File: VW011688.D

Acq: 04 Aug 2019 02:57

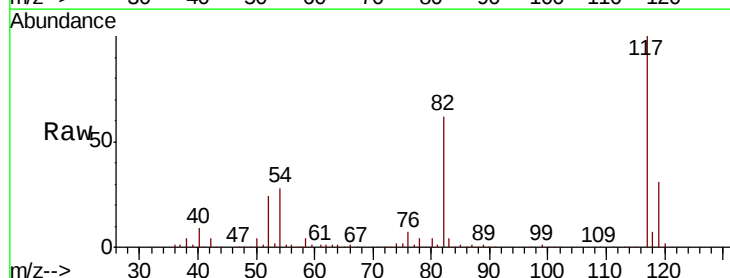
Tgt Ion: 117 Resp: 264883

Ion Ratio Lower Upper

117 100

82 62.3 47.9 71.9

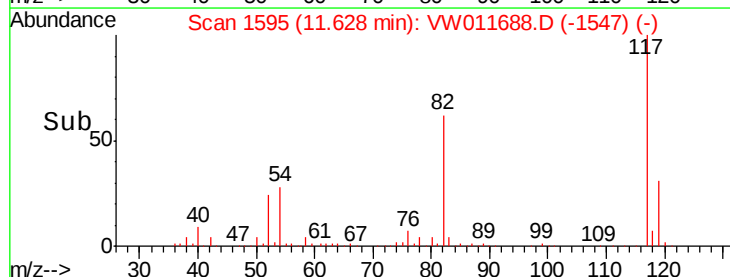
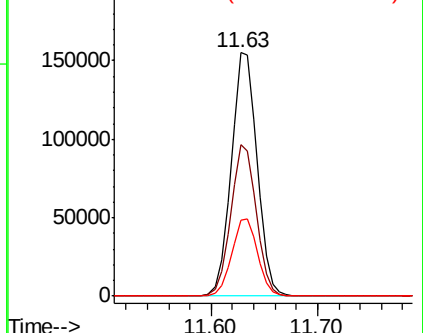
119 31.2 26.2 39.2

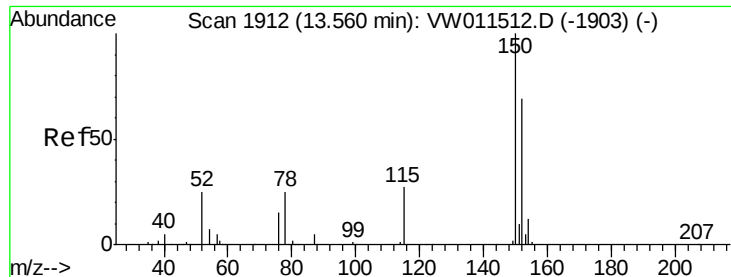


Abundance Ion 116.90 (116.60 to 117.60): VW

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: VW011688.D

Acq: 04 Aug 2019 02:57

Instrument :

MSVOA_W

ClientSampleId :

1S-B1-(30)

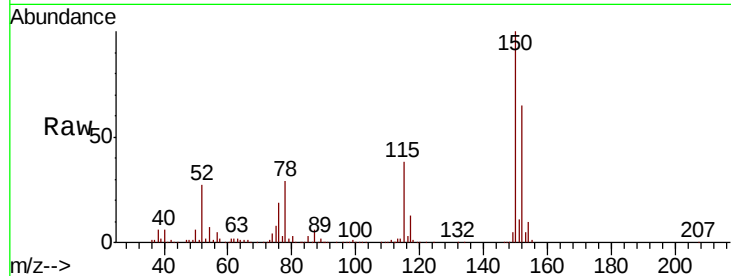
Tot Ion:152 Resp: 92799

Ion Ratio Lower Upper

152 100

115 59.6 30.5 91.5

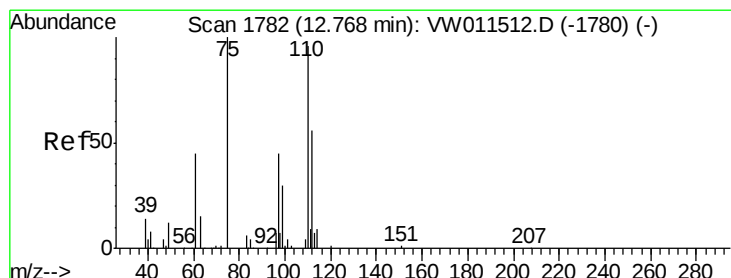
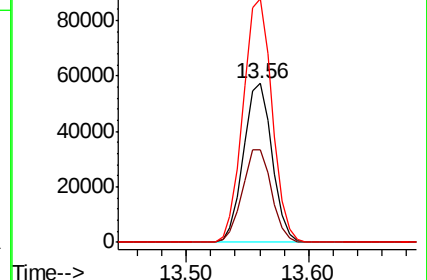
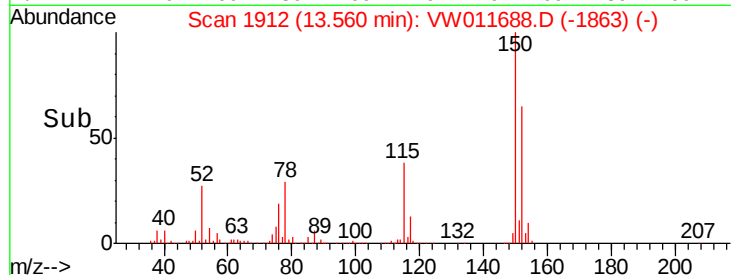
150 155.5 0.0 352.6



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: 61.533 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011688.D

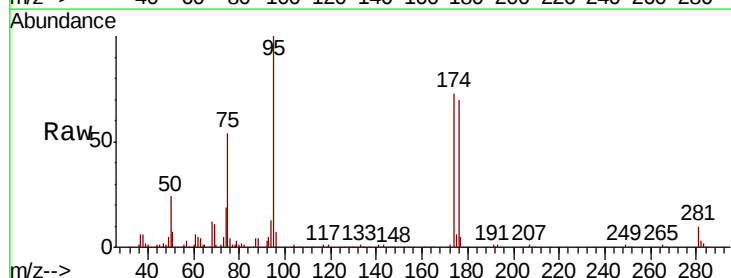
Acq: 04 Aug 2019 02:57

Tgt Ion: 75 Resp: 60420

Ion Ratio Lower Upper

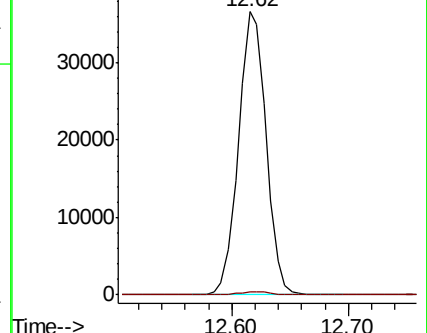
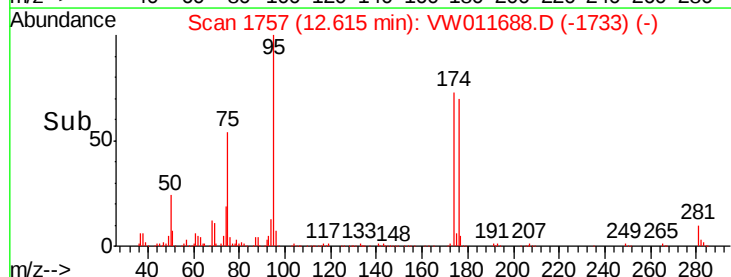
75 100

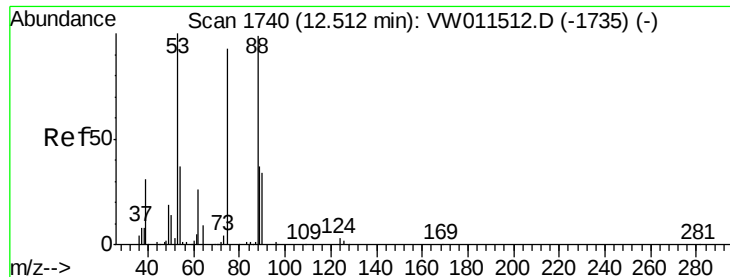
77 1.4 0.0 0.0#



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: 141.811 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011688.D

Acq: 04 Aug 2019 02:57

Instrument :

MSVOA_W

ClientSampleId :

1S-B1-(30)

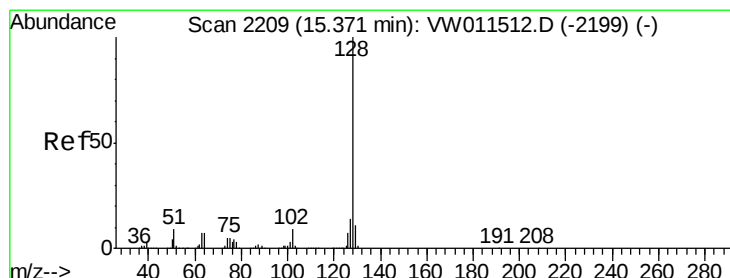
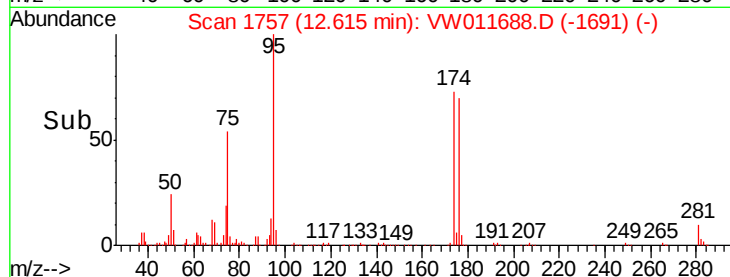
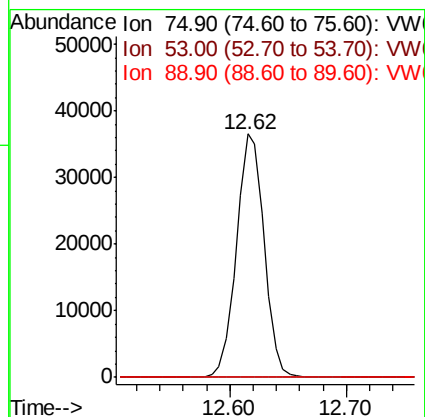
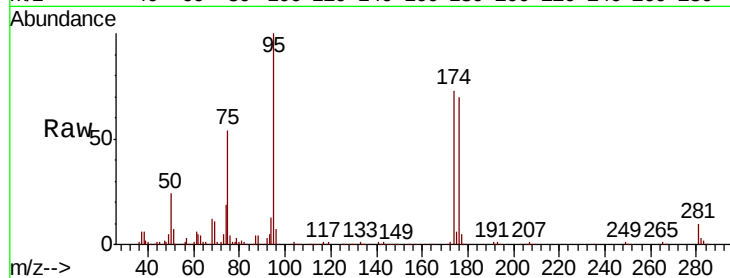
Tot Ion: 75 Resp: 60420

Ion Ratio Lower Upper

75 100

53 0.0 88.0 132.0#

89 0.2 35.3 52.9#



#95

Naphthalene

Concen: 2.194 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.01 min

Lab File: VW011688.D

Acq: 04 Aug 2019 02:57

Tgt Ion: 128 Resp: 490

Ion Ratio Lower Upper

128 100

127 5.5 10.6 16.0#

129 0.0 8.6 13.0#

