

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080819\
 Data File : VW011742.D
 Acq On : 07 Aug 2019 11:11
 Operator : SY/VA
 Sample : VW0808SBL01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0808SBL01

Quant Time: Aug 07 11:32:34 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	212753	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	352908	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	297015	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	119945	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	133820	54.78	ug/l	0.00
Spiked Amount			Recovery	=	109.56%	
35) Dibromofluoromethane	7.88	113	110100	55.61	ug/l	0.00
Spiked Amount			Recovery	=	111.22%	
50) Toluene-d8	10.32	98	433024	53.42	ug/l	0.00
Spiked Amount			Recovery	=	106.84%	
62) 4-Bromofluorobenzene	12.62	95	139604	48.31	ug/l	0.00
Spiked Amount			Recovery	=	96.62%	

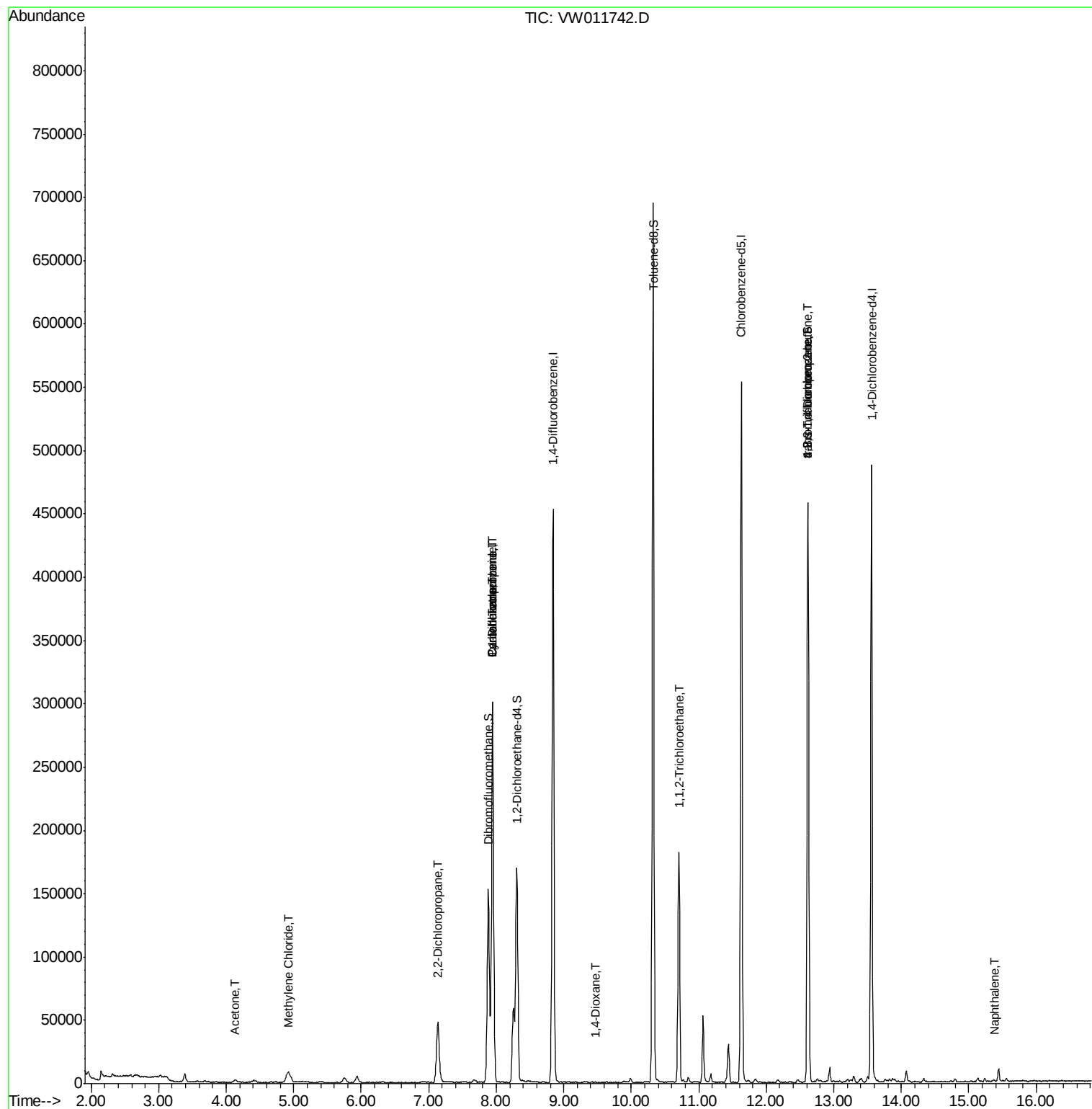
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.17	59	78	Below Cal	#	72
16) Acetone	4.13	43	4603	5.923	ug/l	94
20) Methylene Chloride	4.91	84	5919	2.208	ug/l	92
26) 2,2-Dichloropropane	7.14	77	3321	1.135	ug/l #	54
31) Cyclohexane	7.95	56	5827	1.276	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	18593	5.067	ug/l #	53
38) Carbon Tetrachloride	7.94	117	21604	6.877	ug/l #	17
49) 1,4-Dioxane	9.46	88	55	3.026	ug/l #	1
55) 1,1,2-Trichloroethane	10.71	97	1835	1.030	ug/l #	18
76) 1,2,3-Trichloropropane	12.62	75	75148	59.211	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	75148	136.461	ug/l #	6
95) Naphthalene	15.37	128	1310	2.331	ug/l #	88

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW080819\
Data File : VW011742.D
Acq On : 07 Aug 2019 11:11
Operator : SY/VA
Sample : VW0808SBL01
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0808SBL01

Quant Time: Aug 07 11:32:34 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: VW011742.D

Acq: 07 Aug 2019 11:11

Instrument :

MSVOA_W

ClientSampleId :

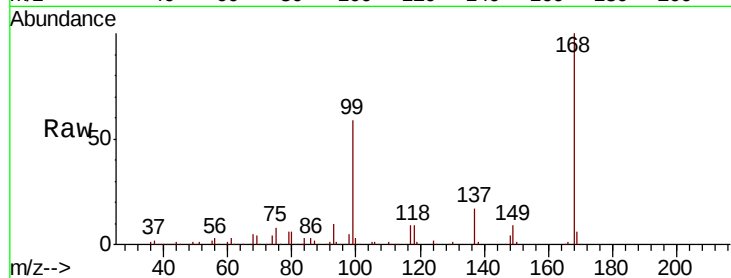
VW0808SBL01

Tgt Ion:168 Resp: 212753

Ion Ratio Lower Upper

168 100

99 58.9 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

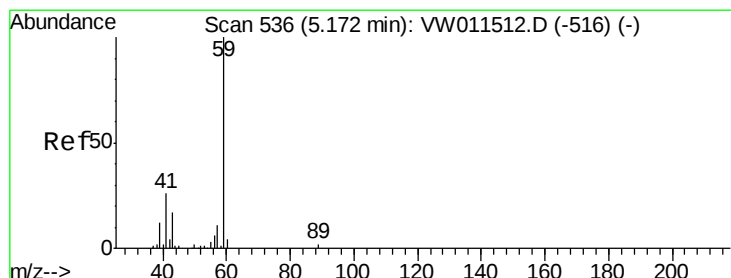
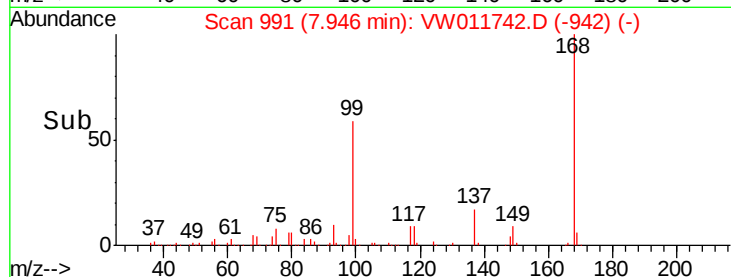
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.17 min Scan# 535

Delta R.T. -0.01 min

Lab File: VW011742.D

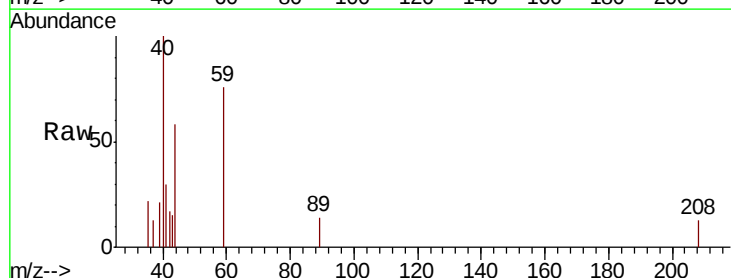
Acq: 07 Aug 2019 11:11

Tgt Ion: 59 Resp: 78

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.17

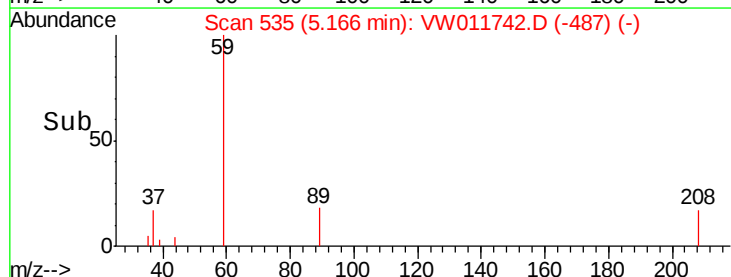
300

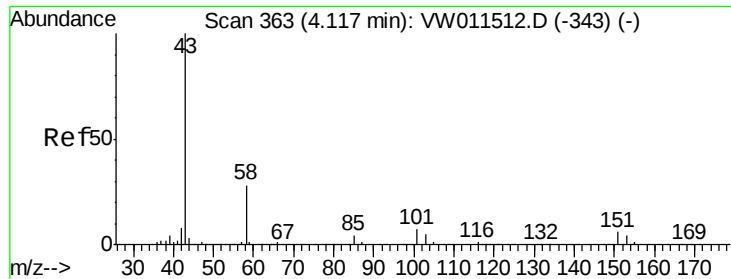
200

100

0

Time-->





#16

Acetone

Concen: 5.923 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW011742.D

Acq: 07 Aug 2019 11:11

Instrument :

MSVOA_W

ClientSampleId :

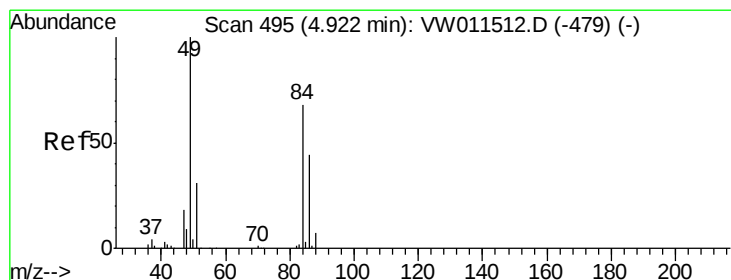
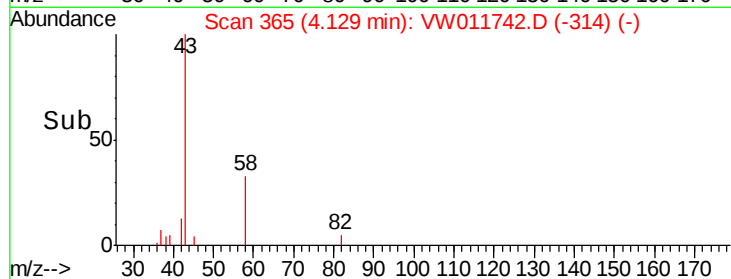
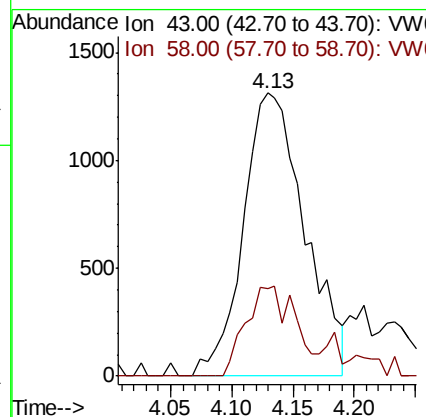
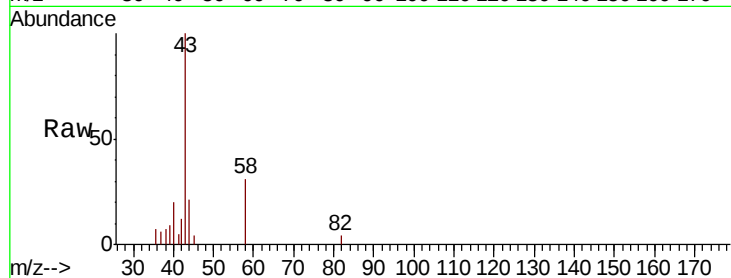
VW0808SBL01

Tgt Ion: 43 Resp: 4603

Ion Ratio Lower Upper

43 100

58 30.8 22.3 33.5



#20

Methylene Chloride

Concen: 2.208 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW011742.D

Acq: 07 Aug 2019 11:11

Tgt Ion: 84 Resp: 5919

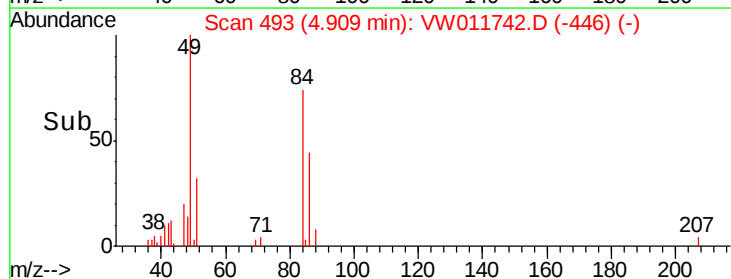
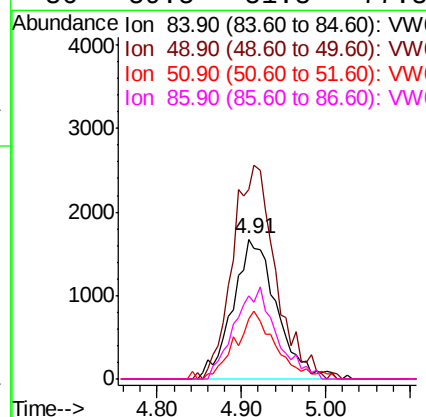
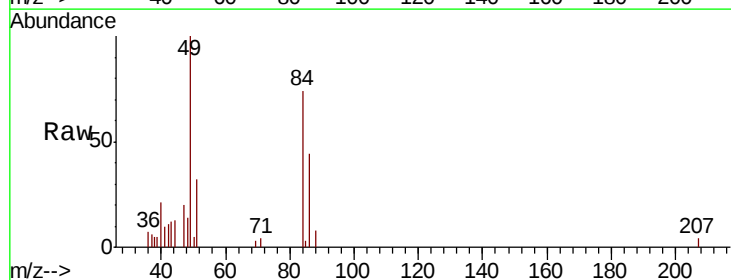
Ion Ratio Lower Upper

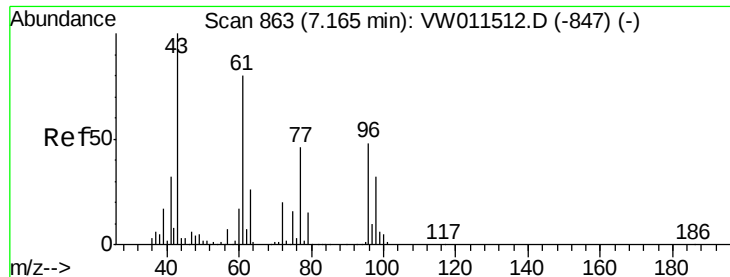
84 100

49 135.8 117.8 176.6

51 43.6 37.0 55.4

86 59.5 51.8 77.8





#26

2,2-Dichloropropane

Concen: 1.135 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.02 min

Lab File: VW011742.D

Acq: 07 Aug 2019 11:11

Instrument :

MSVOA_W

ClientSampleId :

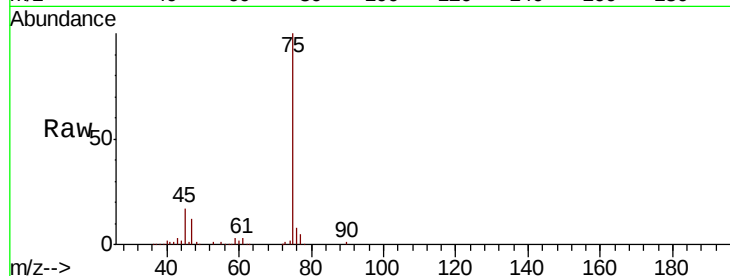
VW0808SBL01

Tgt Ion: 77 Resp: 3321

Ion Ratio Lower Upper

77 100

97 0.0 10.8 32.4#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW

7.14

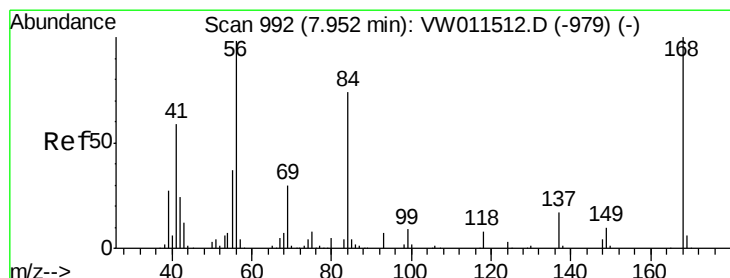
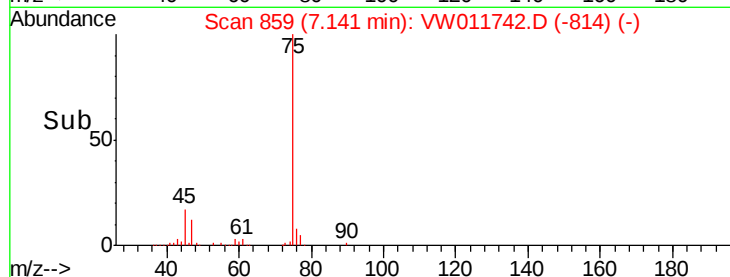
1500

1000

500

0

Time-->



#31

Cyclohexane

Concen: 1.276 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW011742.D

Acq: 07 Aug 2019 11:11

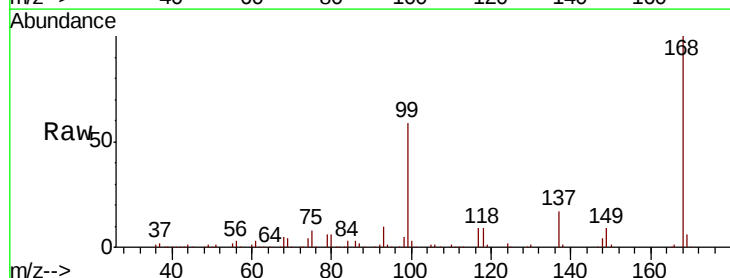
Tgt Ion: 56 Resp: 5827

Ion Ratio Lower Upper

56 100

69 172.4 24.3 36.5#

84 113.2 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

6000

5000

4000

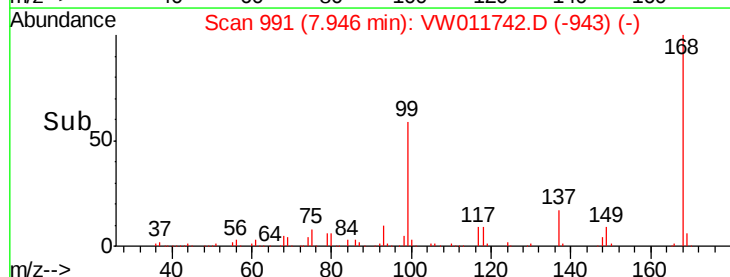
3000

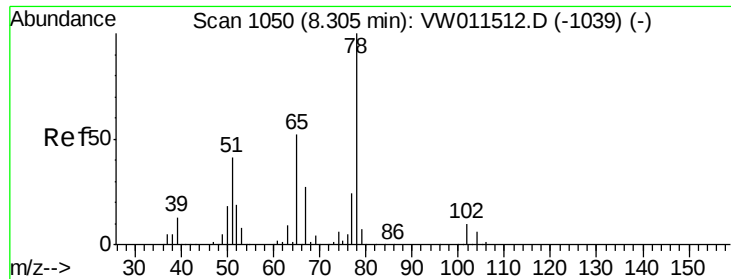
2000

1000

0

Time-->

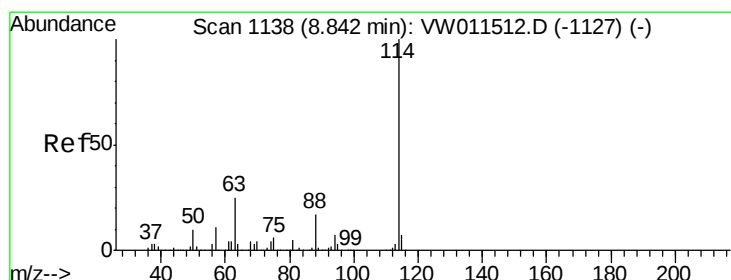
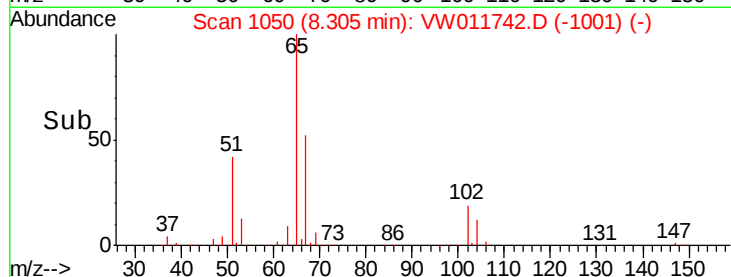
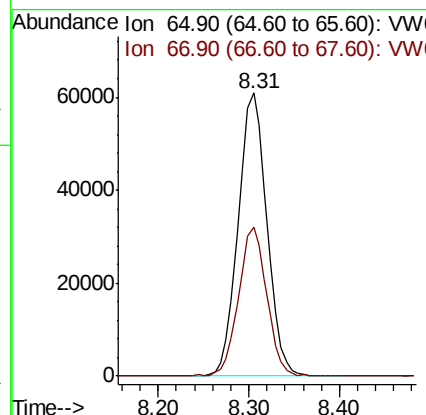
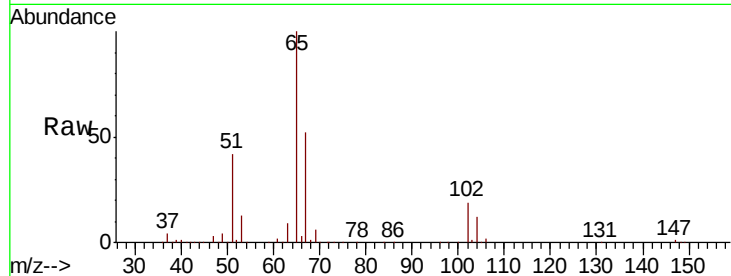




#33
 1,2-Dichloroethane-d4
 Concen: 54.777 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW011742.D
 Acq: 07 Aug 2019 11:11

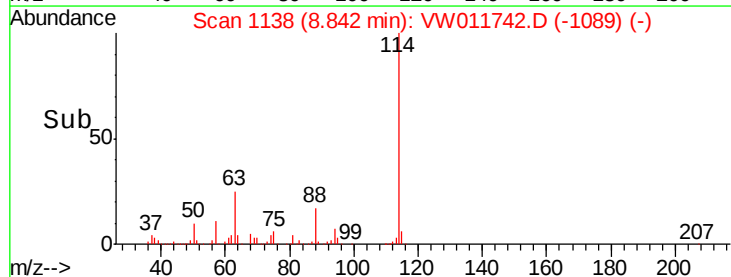
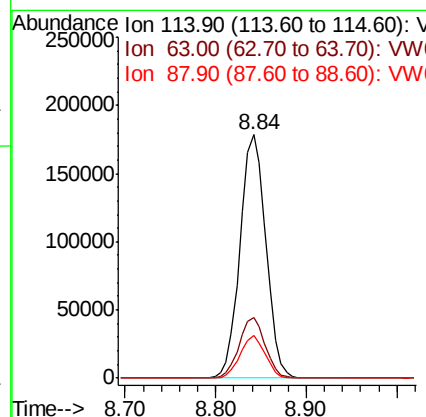
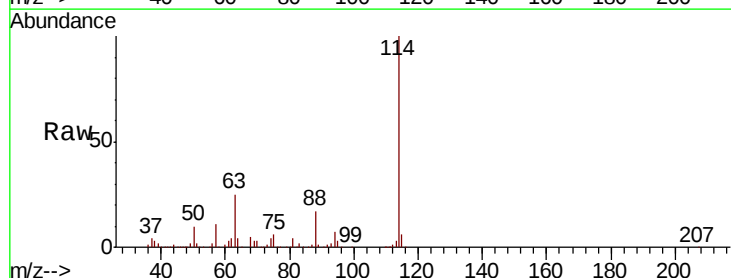
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0808SBL01

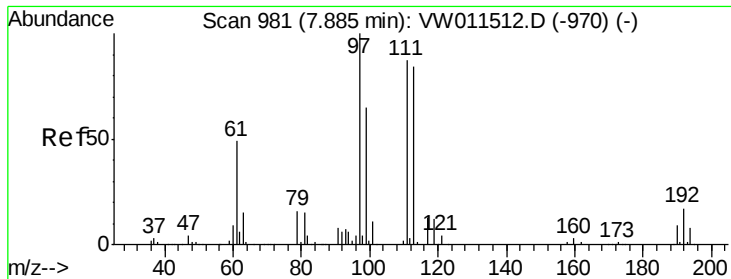
Tgt Ion: 65 Resp: 133820
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011742.D
 Acq: 07 Aug 2019 11:11

Tgt Ion: 114 Resp: 352908
 Ion Ratio Lower Upper
 114 100
 63 25.0 0.0 49.2
 88 17.4 0.0 33.8

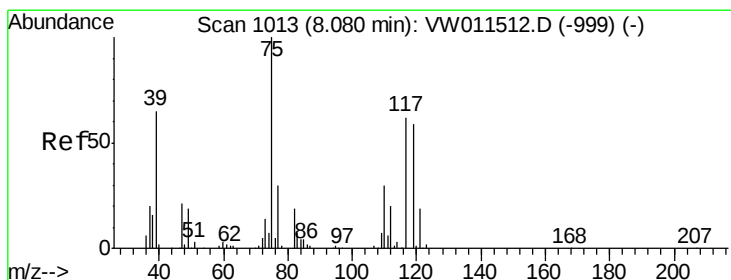
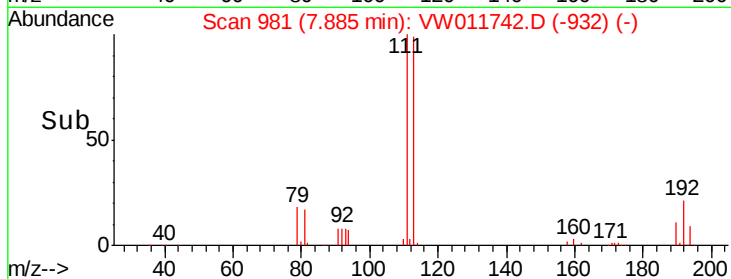
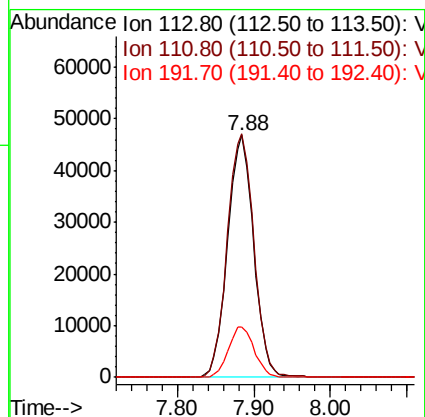
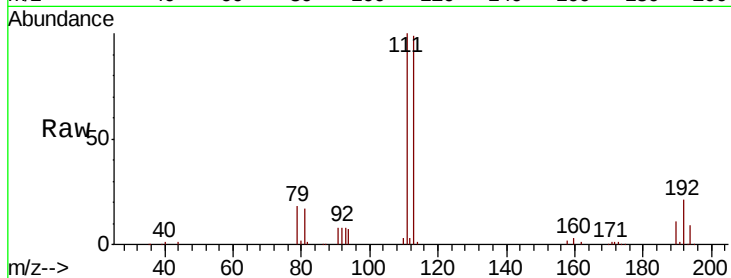




#35
 Dibromofluoromethane
 Concen: 55.610 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW011742.D
 Acq: 07 Aug 2019 11:11

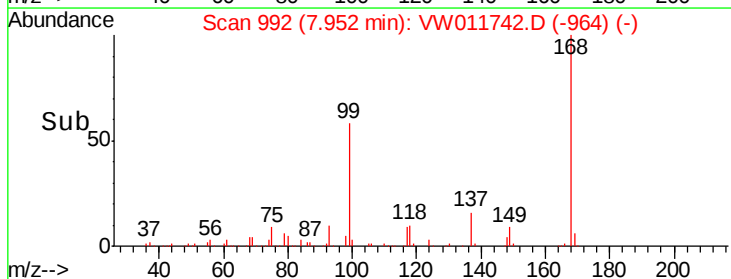
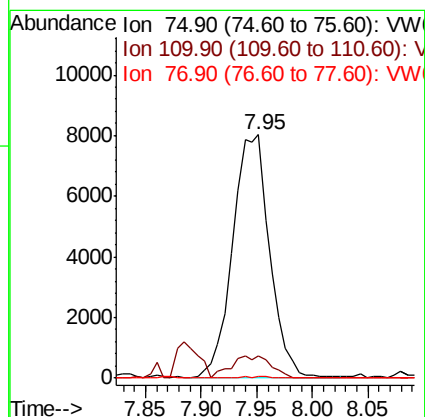
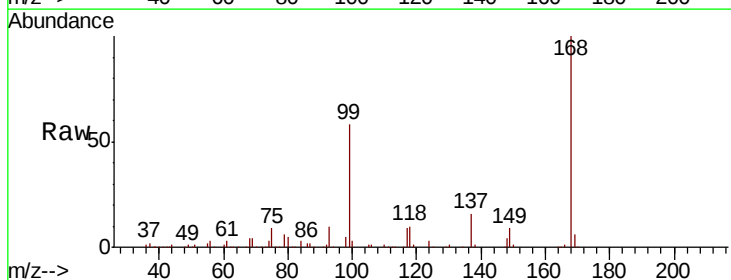
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0808SBL01

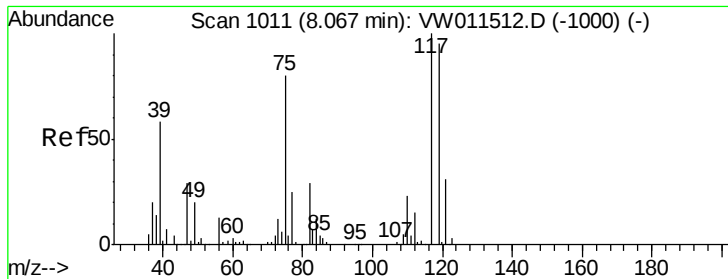
Tgt Ion:113 Resp: 110100
 Ion Ratio Lower Upper
 113 100
 111 103.0 82.7 124.1
 192 20.7 16.1 24.1



#36
 1,1-Dichloropropene
 Concen: 5.067 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW011742.D
 Acq: 07 Aug 2019 11:11

Tgt Ion: 75 Resp: 18593
 Ion Ratio Lower Upper
 75 100
 110 9.8 15.6 46.8#
 77 0.4 24.3 36.5#

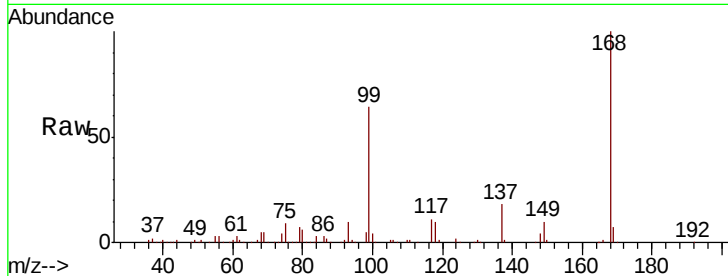




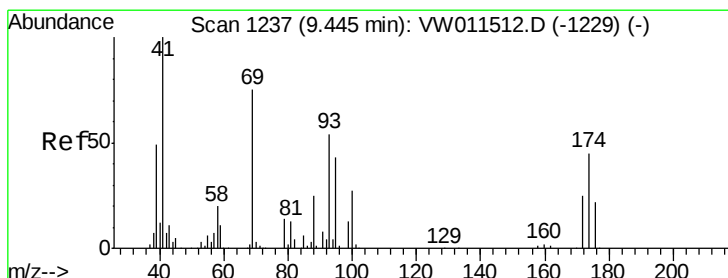
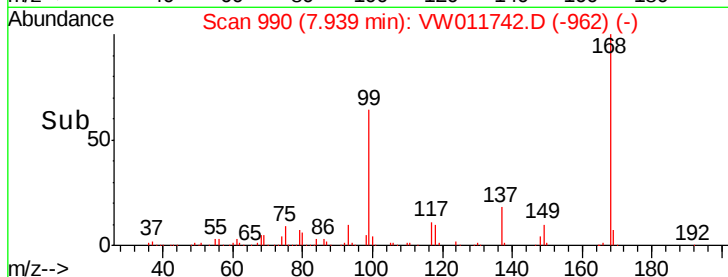
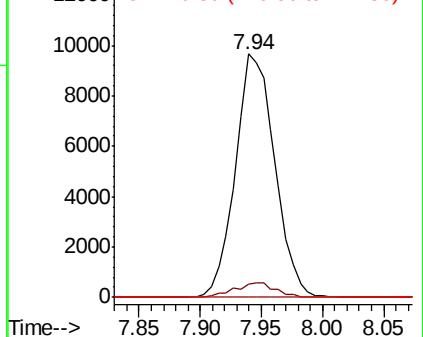
#38
Carbon Tetrachloride
Concen: 6.877 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.13 min
Lab File: VW011742.D
Acq: 07 Aug 2019 11:11

Instrument :
MSVOA_W
ClientSampleId :
VW0808SBL01

Tgt Ion: 117 Resp: 21604
Ion Ratio Lower Upper
117 100
119 5.2 75.8 113.6#
121 0.0 24.7 37.1#

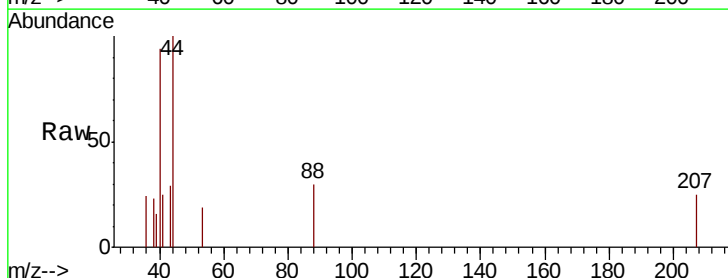


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

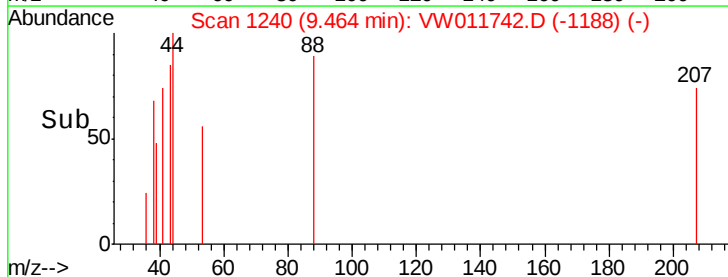
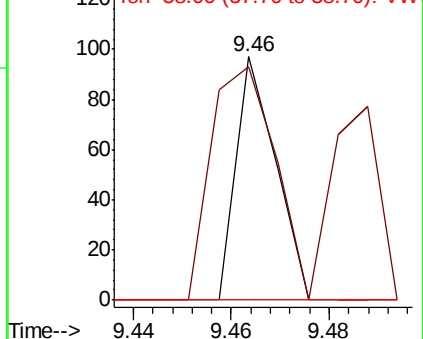


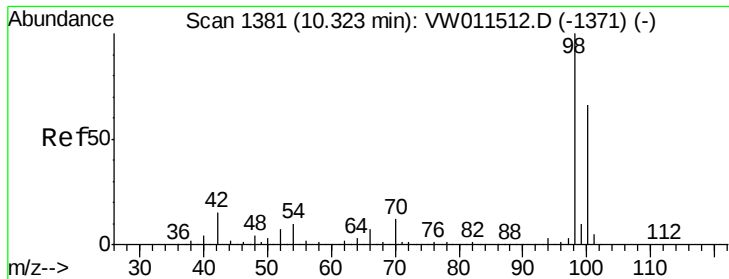
#49
1,4-Dioxane
Concen: 3.026 ug/l
RT: 9.46 min Scan# 1240
Delta R.T. 0.02 min
Lab File: VW011742.D
Acq: 07 Aug 2019 11:11

Tgt Ion: 88 Resp: 55
Ion Ratio Lower Upper
88 100
43 154.5 34.0 51.0#
58 0.0 69.7 104.5#



Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

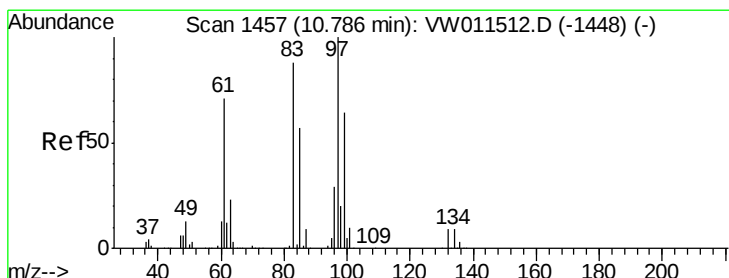
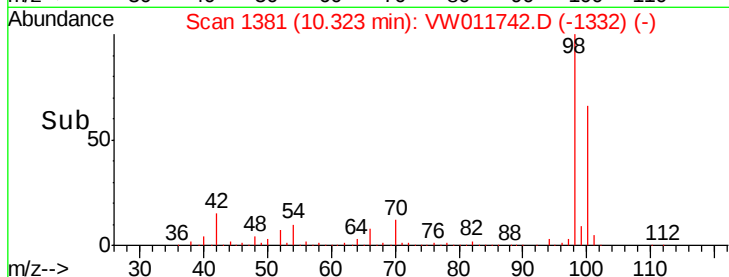
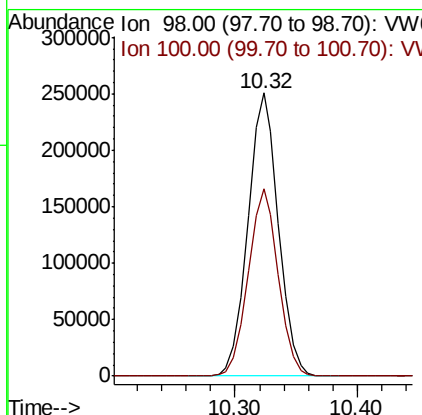
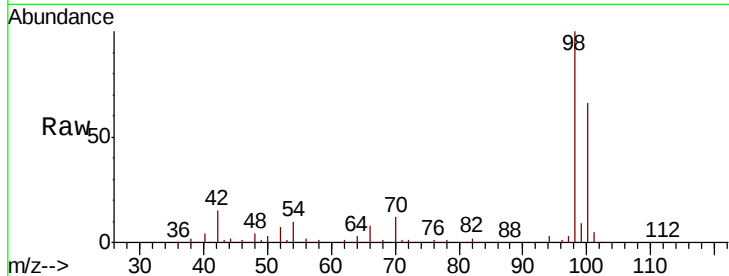




#50
Toluene-d8
Concen: 53.419 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW011742.D
Acq: 07 Aug 2019 11:11

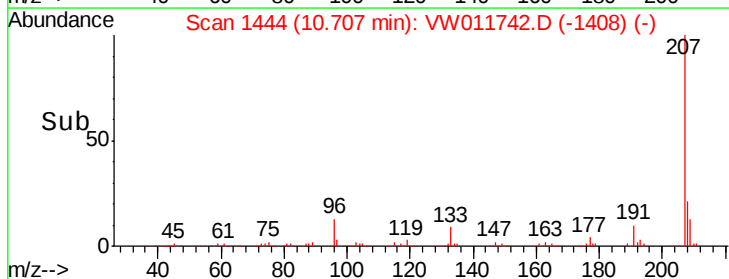
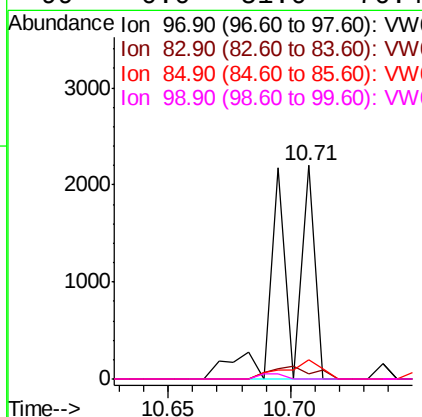
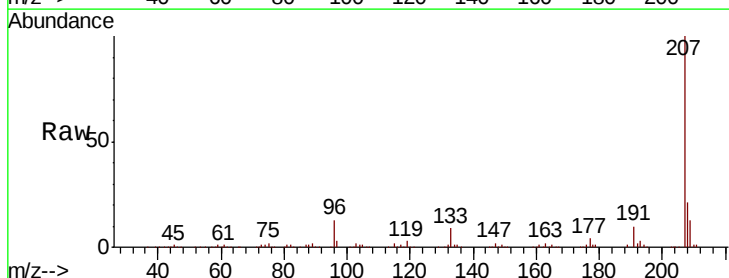
Instrument :
MSVOA_W
ClientSampleId :
VW0808SBL01

Tgt Ion: 98 Resp: 433024
Ion Ratio Lower Upper
98 100
100 65.5 52.7 79.1



#55
1,1,2-Trichloroethane
Concen: 1.030 ug/l
RT: 10.71 min Scan# 1444
Delta R.T. -0.08 min
Lab File: VW011742.D
Acq: 07 Aug 2019 11:11

Tgt Ion: 97 Resp: 1835
Ion Ratio Lower Upper
97 100
83 2.5 70.5 105.7#
85 8.7 45.8 68.6#
99 0.0 51.0 76.4#





#62

4-Bromofluorobenzene

Concen: 48.306 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW011742.D

Acq: 07 Aug 2019 11:11

Instrument :

MSVOA_W

ClientSampleId :

VW0808SBL01

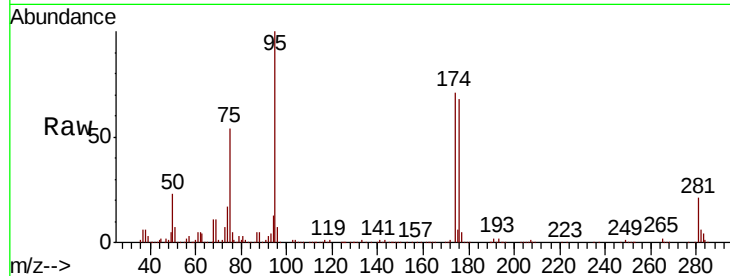
Tgt Ion: 95 Resp: 139604

Ion Ratio Lower Upper

95 100

174 76.1 0.0 150.2

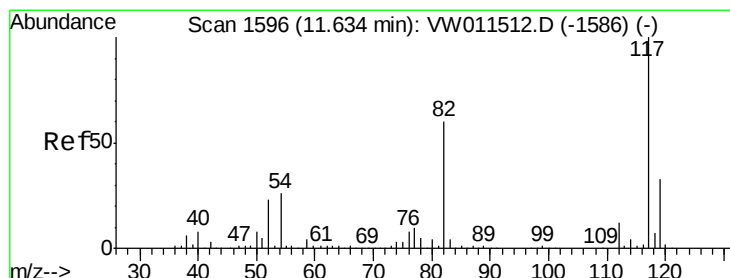
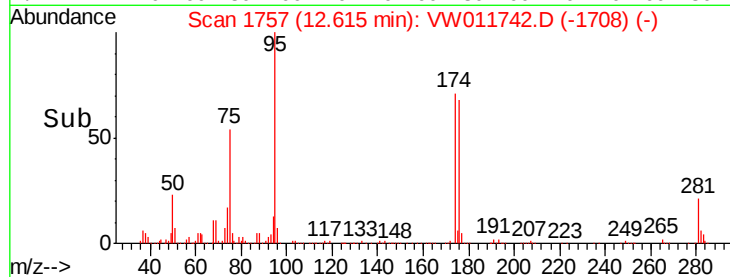
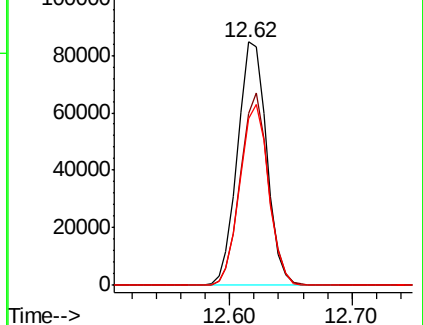
176 73.6 0.0 144.4



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: VW011742.D

Acq: 07 Aug 2019 11:11

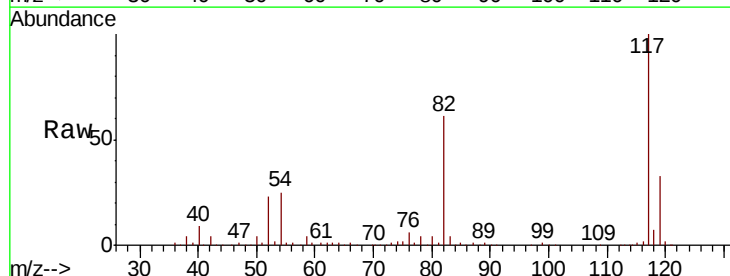
Tgt Ion: 117 Resp: 297015

Ion Ratio Lower Upper

117 100

82 60.9 47.9 71.9

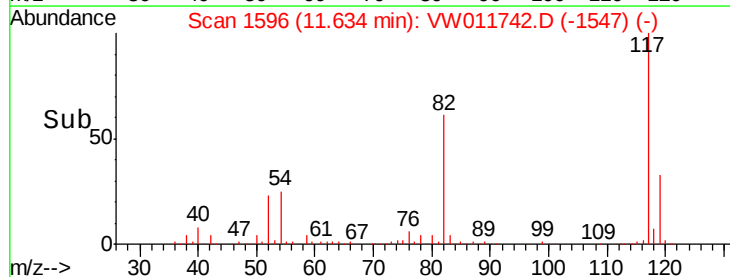
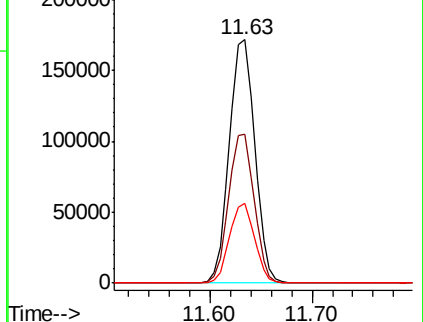
119 32.5 26.2 39.2



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: VW011742.D

Acq: 07 Aug 2019 11:11

Instrument :

MSVOA_W

ClientSampleId :

VW0808SBL01

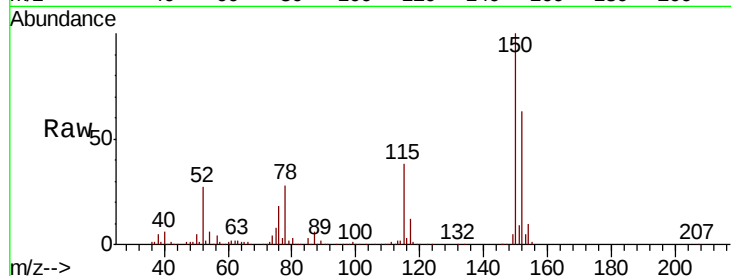
Tgt Ion:152 Resp: 119945

Ion Ratio Lower Upper

152 100

115 61.0 30.5 91.5

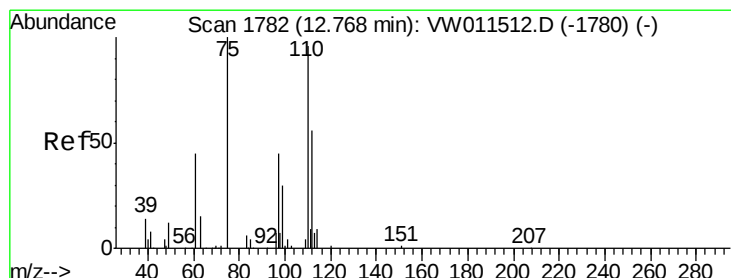
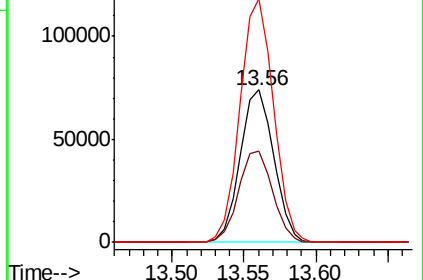
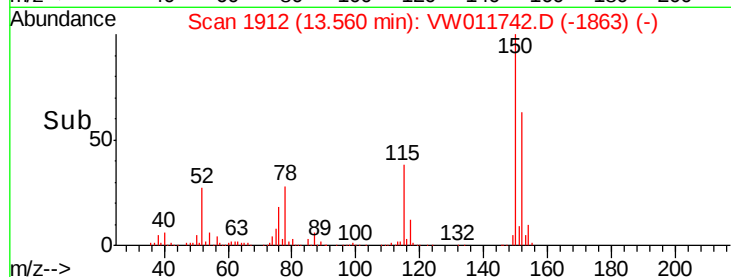
150 158.7 0.0 352.6



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: 59.211 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011742.D

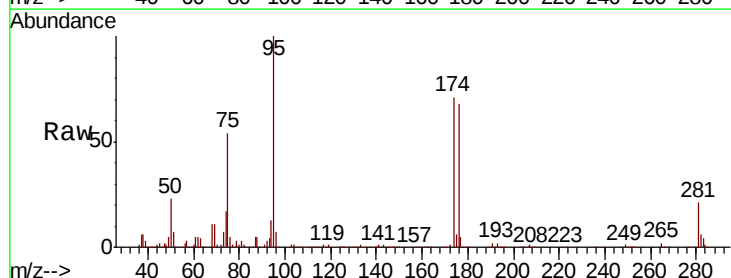
Acq: 07 Aug 2019 11:11

Tgt Ion: 75 Resp: 75148

Ion Ratio Lower Upper

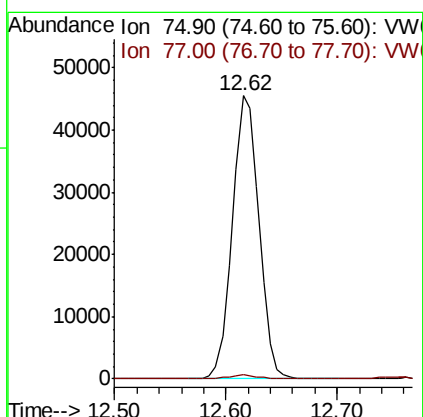
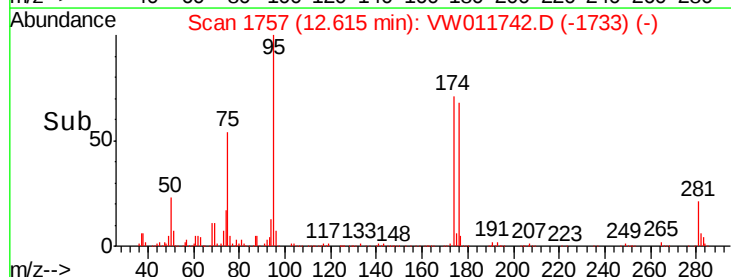
75 100

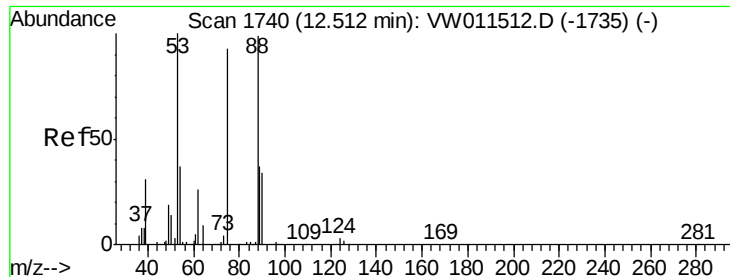
77 1.4 0.0 0.0#



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: 136.461 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011742.D

Acq: 07 Aug 2019 11:11

Instrument :

MSVOA_W

ClientSampleId :

VW0808SBL01

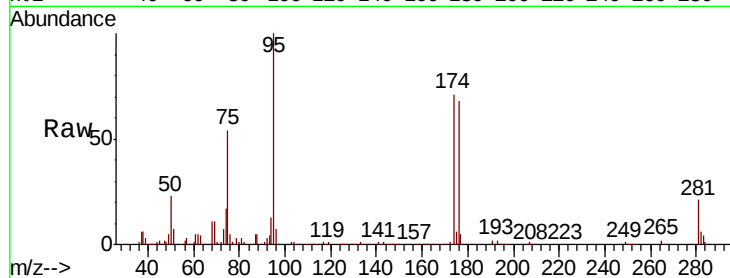
Tgt Ion: 75 Resp: 75148

Ion Ratio Lower Upper

75 100

53 0.2 88.0 132.0#

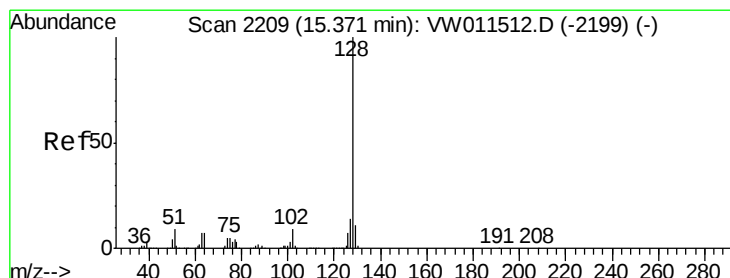
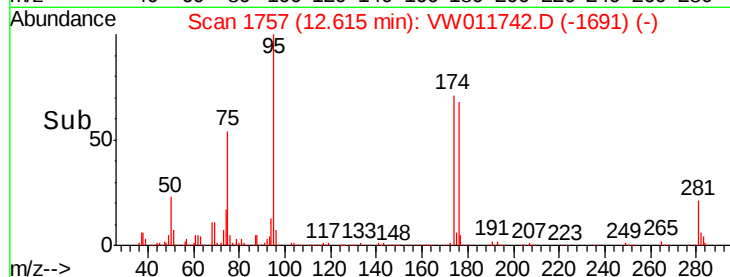
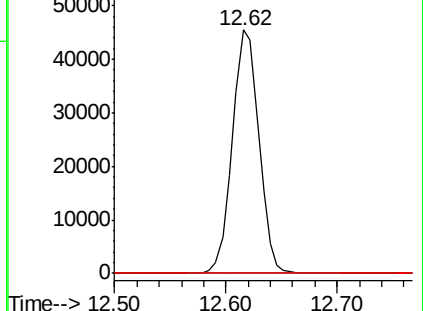
89 0.3 35.3 52.9#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW



#95

Naphthalene

Concen: 2.331 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW011742.D

Acq: 07 Aug 2019 11:11

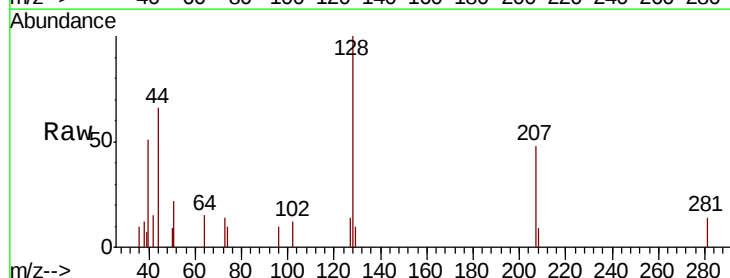
Tgt Ion: 128 Resp: 1310

Ion Ratio Lower Upper

128 100

127 14.4 10.6 16.0

129 1.9 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

