

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080619\
 Data File : VW011709.D
 Acq On : 05 Aug 2019 15:03
 Operator : SY/VA
 Sample : VW0806SBL01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0806SBL01

Quant Time: Aug 06 08:01:59 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	214865	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	351285	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	295305	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	124866	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	132701	53.79	ug/l	0.00
Spiked Amount			Recovery	=	107.58%	
35) Dibromofluoromethane	7.88	113	107339	54.47	ug/l	0.00
Spiked Amount			Recovery	=	108.94%	
50) Toluene-d8	10.32	98	430208	53.32	ug/l	0.00
Spiked Amount			Recovery	=	106.64%	
62) 4-Bromofluorobenzene	12.62	95	139513	48.50	ug/l	0.00
Spiked Amount			Recovery	=	97.00%	

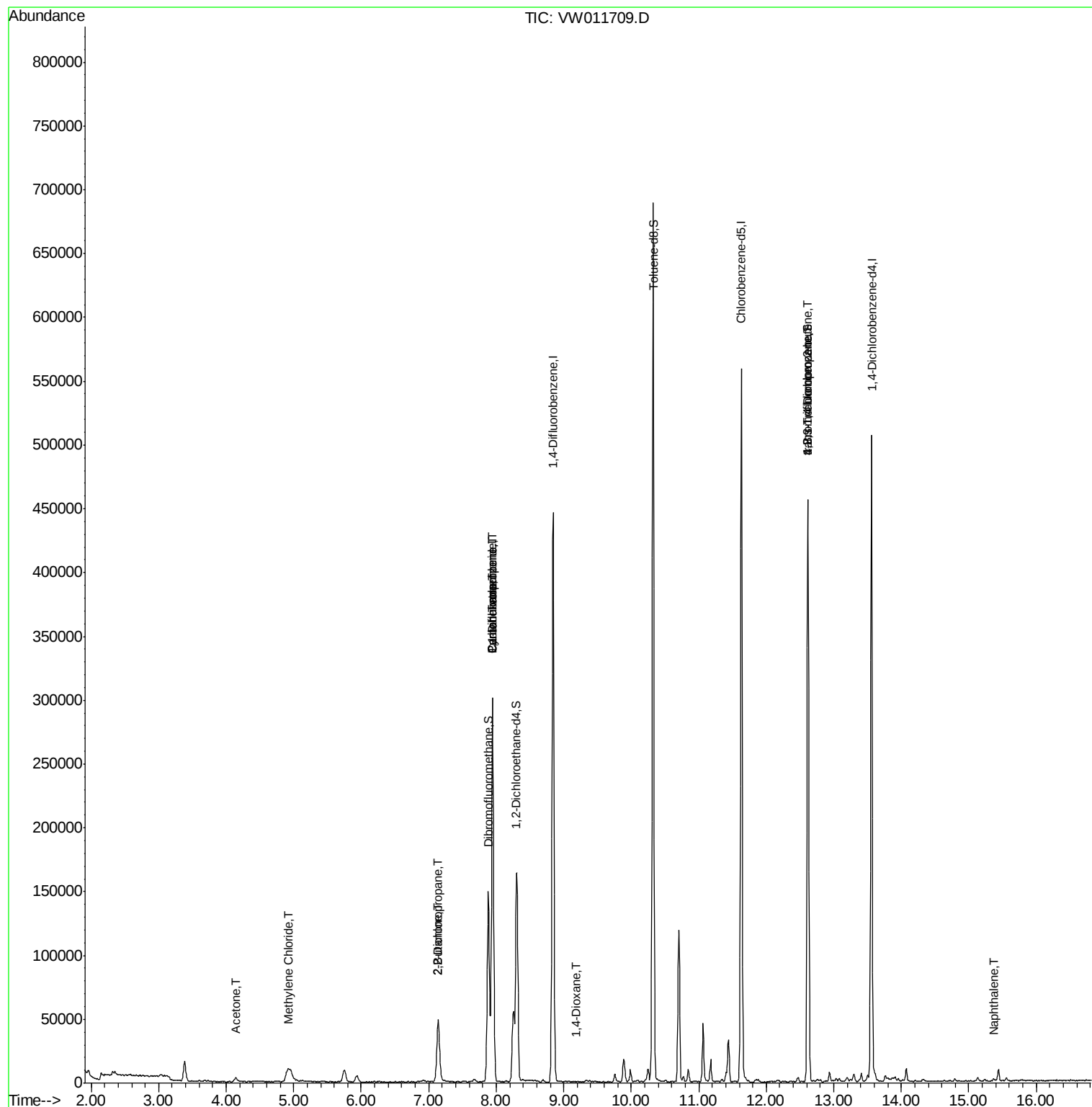
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.20	59	905	Below Cal	#	72
16) Acetone	4.14	43	6651	8.474	ug/l	98
20) Methylene Chloride	4.92	84	5640	2.084	ug/l #	85
25) 2-Butanone	7.13	43	3801	3.701	ug/l #	81
26) 2,2-Dichloropropane	7.15	77	3394	1.148	ug/l #	54
31) Cyclohexane	7.95	56	5422	1.175	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	18813	5.150	ug/l #	51
38) Carbon Tetrachloride	7.95	117	21190	6.777	ug/l #	17
49) 1,4-Dioxane	9.19	88	25	1.382	ug/l #	15
76) 1,2,3-Trichloropropane	12.62	75	75150	56.879	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	75150	131.086	ug/l #	6
95) Naphthalene	15.38	128	1367	2.332	ug/l #	84

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW080619\
Data File : VW011709.D
Acq On : 05 Aug 2019 15:03
Operator : SY/VA
Sample : VW0806SBL01
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0806SBL01

Quant Time: Aug 06 08:01:59 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: VW011709.D

Acq: 05 Aug 2019 15:03

Instrument :

MSVOA_W

ClientSampleId :

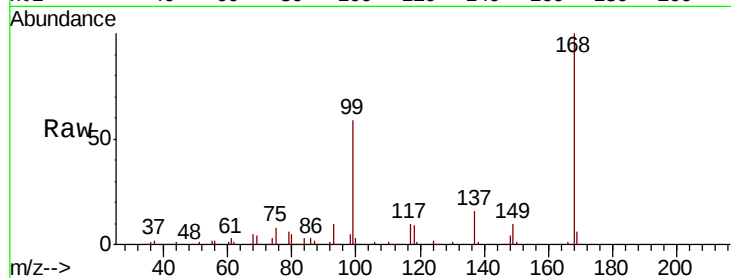
VW0806SBL01

Tgt Ion:168 Resp: 214865

Ion Ratio Lower Upper

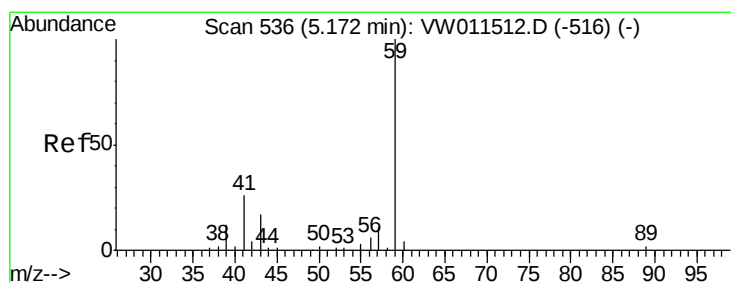
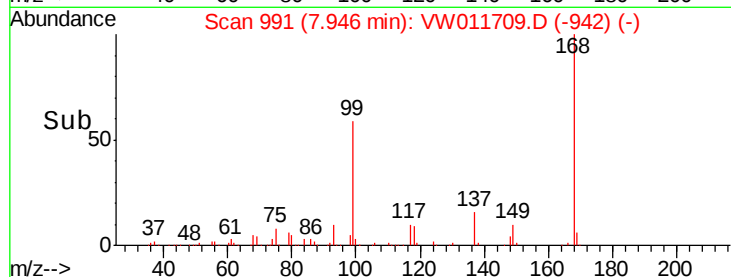
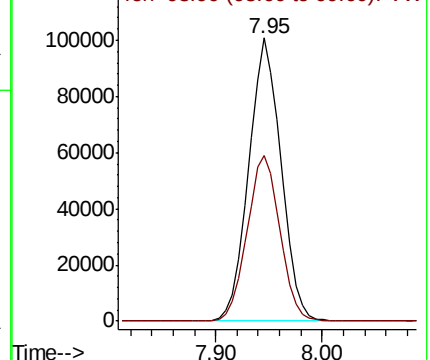
168 100

99 58.7 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.20 min Scan# 541

Delta R.T. 0.03 min

Lab File: VW011709.D

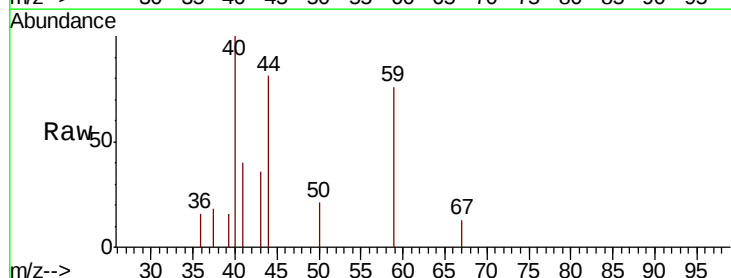
Acq: 05 Aug 2019 15:03

Tgt Ion: 59 Resp: 905

Ion Ratio Lower Upper

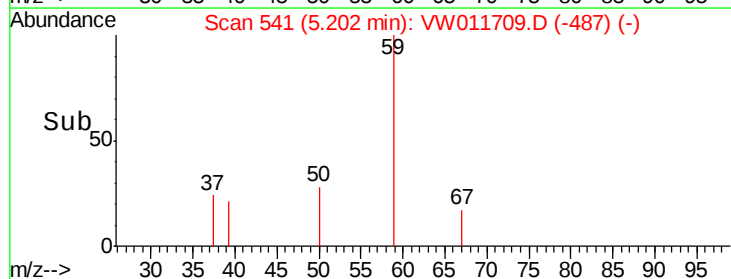
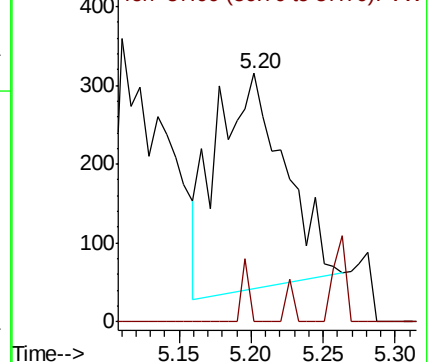
59 100

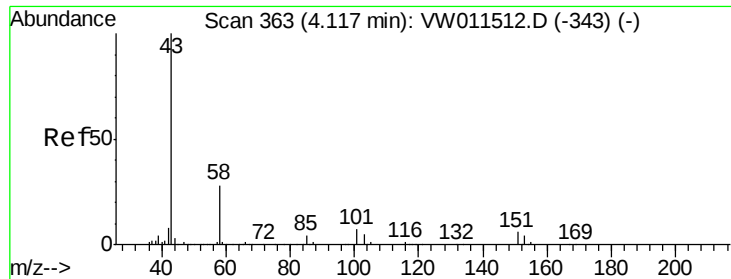
57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

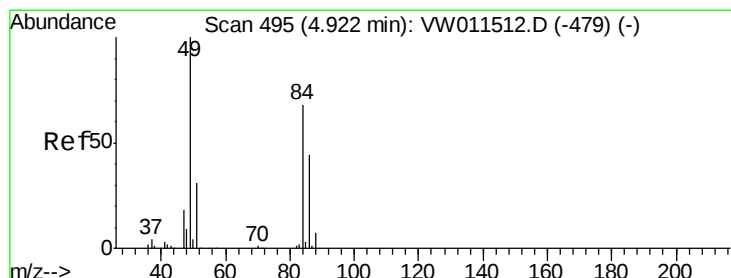
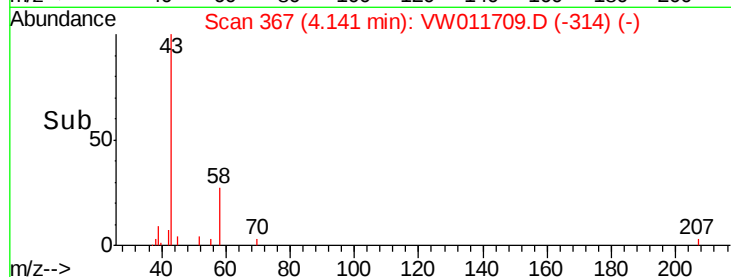
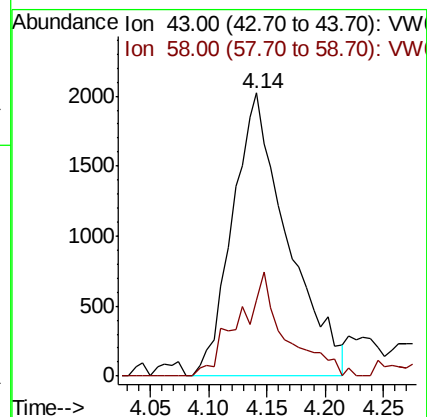
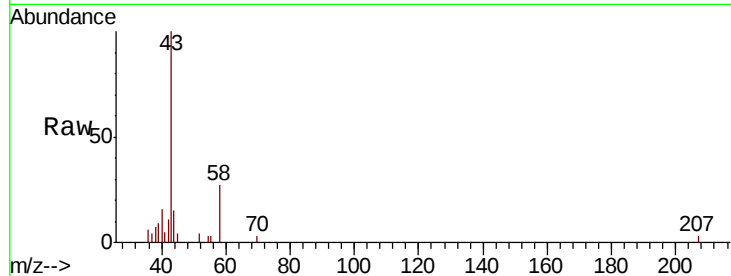




#16
Acetone
Concen: 8.474 ug/l
RT: 4.14 min Scan# 367
Delta R.T. 0.02 min
Lab File: VW011709.D
Acq: 05 Aug 2019 15:03

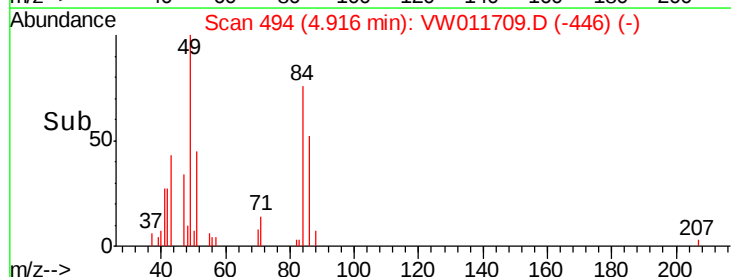
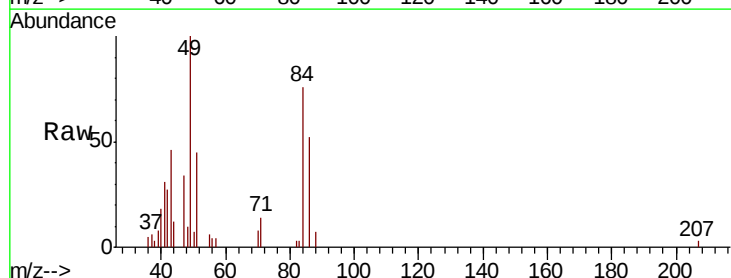
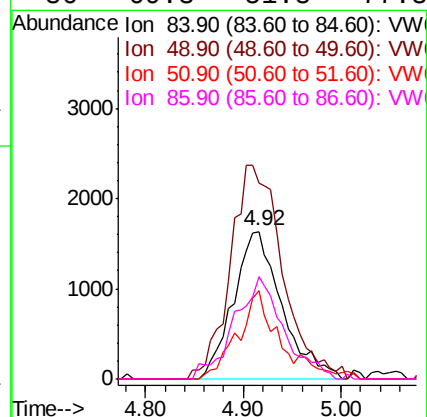
Instrument :
MSVOA_W
ClientSampleId :
VW0806SBL01

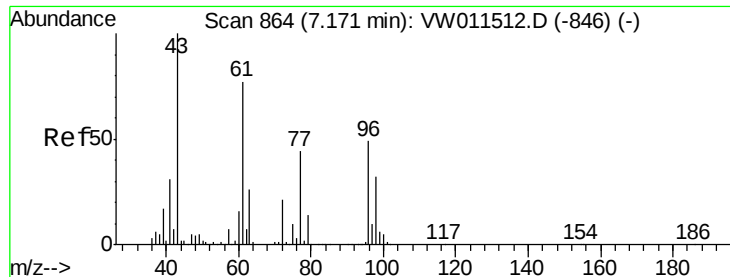
Tgt Ion: 43 Resp: 6651
Ion Ratio Lower Upper
43 100
58 27.0 22.3 33.5



#20
Methylene Chloride
Concen: 2.084 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW011709.D
Acq: 05 Aug 2019 15:03

Tgt Ion: 84 Resp: 5640
Ion Ratio Lower Upper
84 100
49 126.6 117.8 176.6
51 60.0 37.0 55.4#
86 69.3 51.8 77.8





#25

2-Butanone

Concen: 3.701 ug/l

RT: 7.13 min Scan# 858

Delta R.T. -0.04 min

Lab File: VW011709.D

Acq: 05 Aug 2019 15:03

Instrument :

MSVOA_W

ClientSampleId :

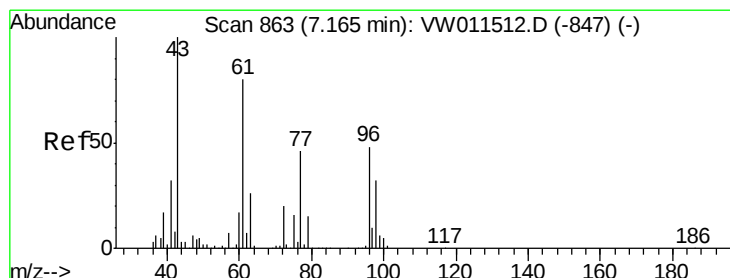
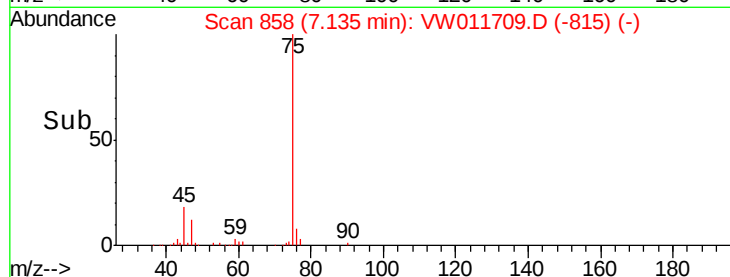
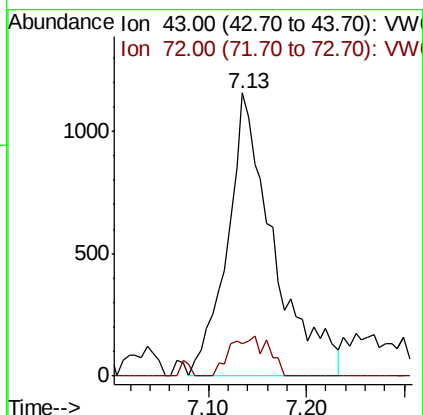
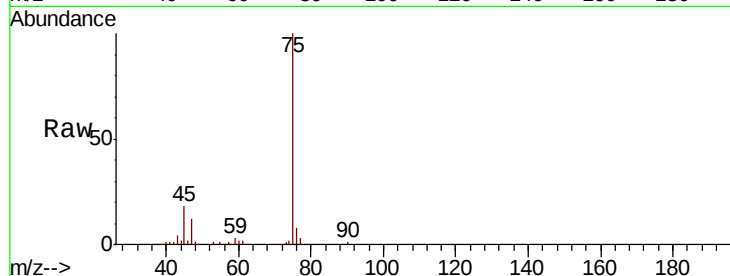
VW0806SBL01

Tgt Ion: 43 Resp: 3801

Ion Ratio Lower Upper

43 100

72 11.7 16.6 24.8#



#26

2,2-Dichloropropane

Concen: 1.148 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW011709.D

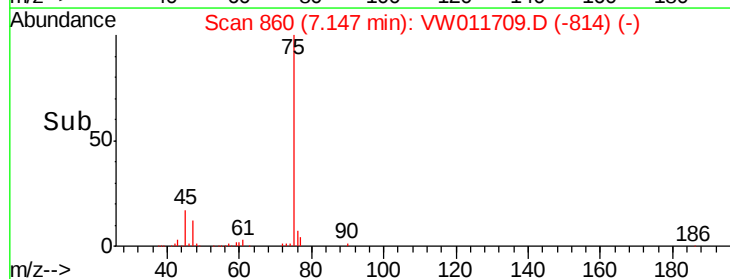
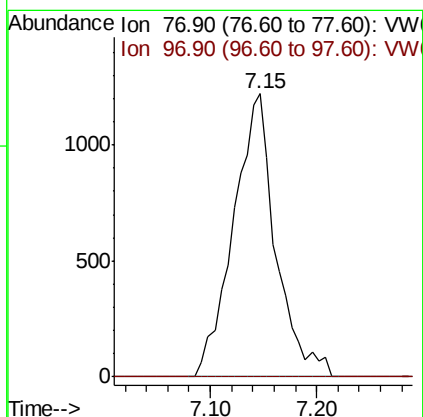
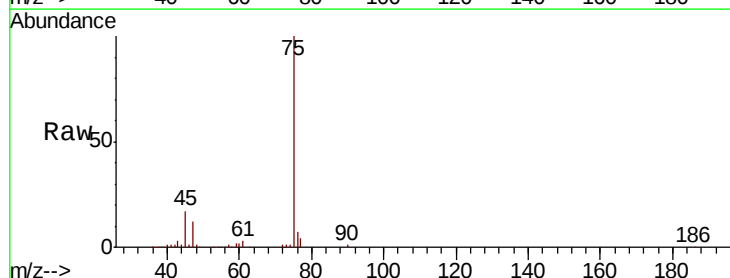
Acq: 05 Aug 2019 15:03

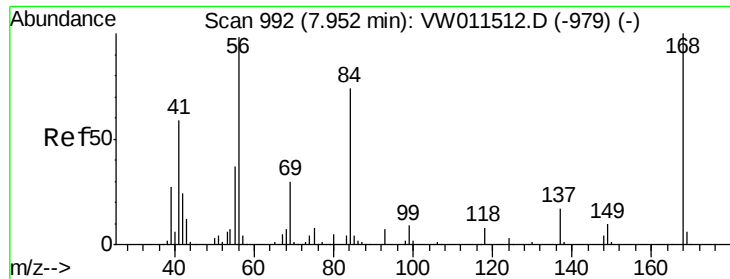
Tgt Ion: 77 Resp: 3394

Ion Ratio Lower Upper

77 100

97 0.0 10.8 32.4#

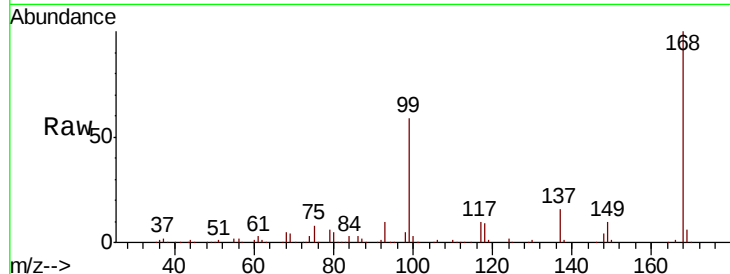




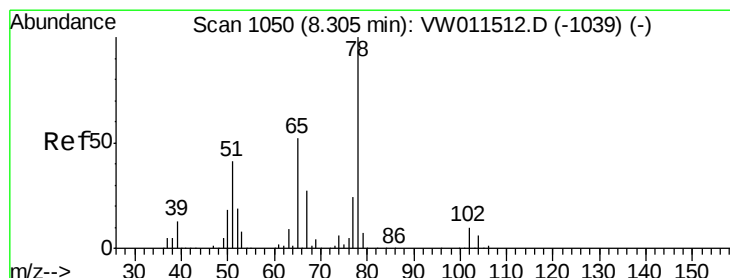
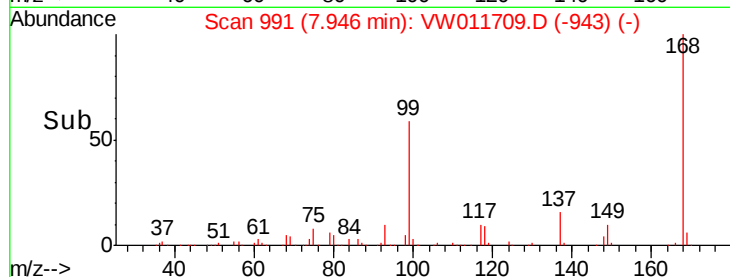
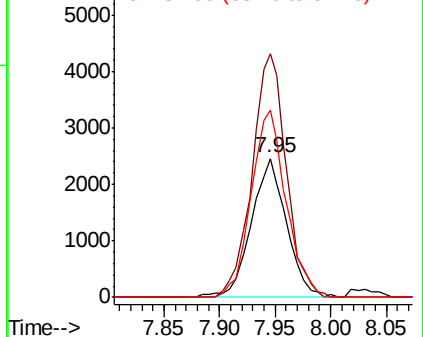
#31
Cyclohexane
Concen: 1.175 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW011709.D
Acq: 05 Aug 2019 15:03

Instrument :
MSVOA_W
ClientSampleId :
VW0806SBL01

Tgt Ion: 56 Resp: 5422
Ion Ratio Lower Upper
56 100
69 174.9 24.3 36.5#
84 134.2 60.4 90.6#

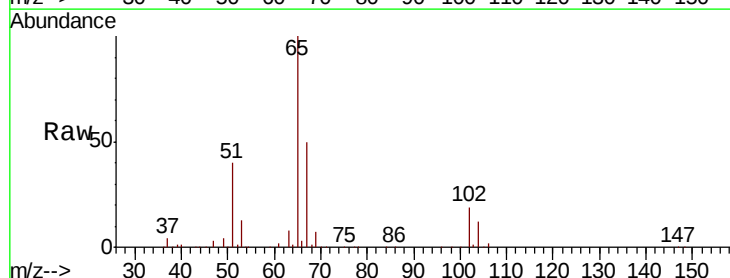


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

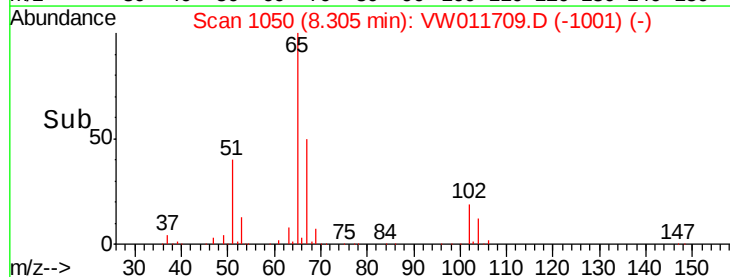
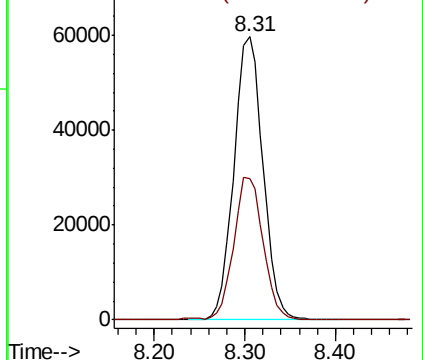


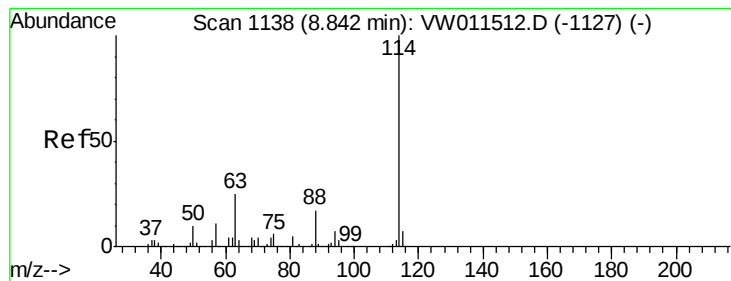
#33
1,2-Dichloroethane-d4
Concen: 53.785 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VW011709.D
Acq: 05 Aug 2019 15:03

Tgt Ion: 65 Resp: 132701
Ion Ratio Lower Upper
65 100
67 50.8 0.0 105.2



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW011709.D

Acq: 05 Aug 2019 15:03

Instrument :

MSVOA_W

ClientSampleId :

VW0806SBL01

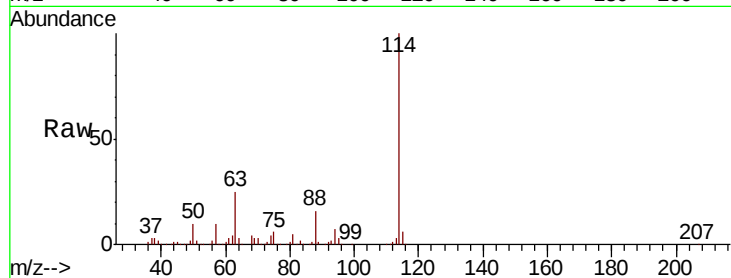
Tgt Ion:114 Resp: 351285

Ion Ratio Lower Upper

114 100

63 24.8 0.0 49.2

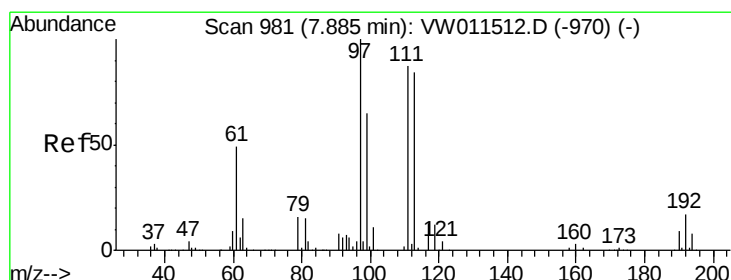
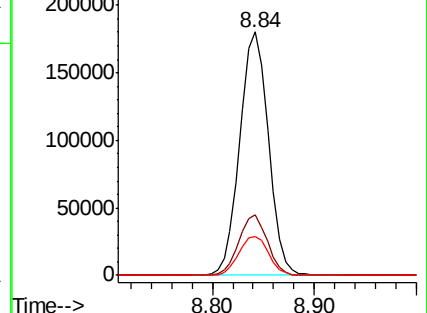
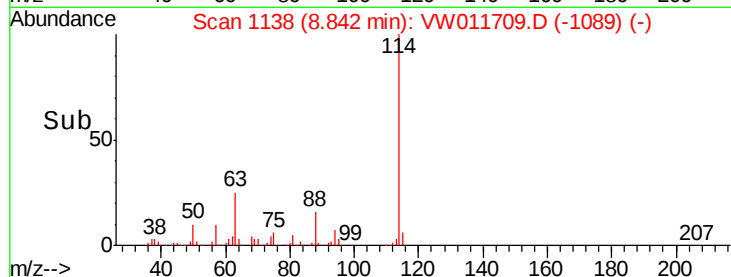
88 15.9 0.0 33.8



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: 54.465 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW011709.D

Acq: 05 Aug 2019 15:03

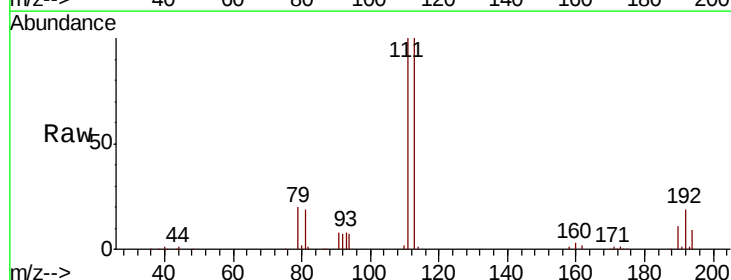
Tgt Ion:113 Resp: 107339

Ion Ratio Lower Upper

113 100

111 102.8 82.7 124.1

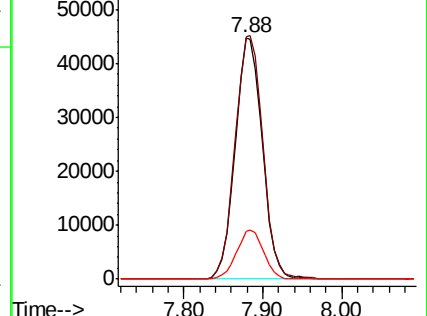
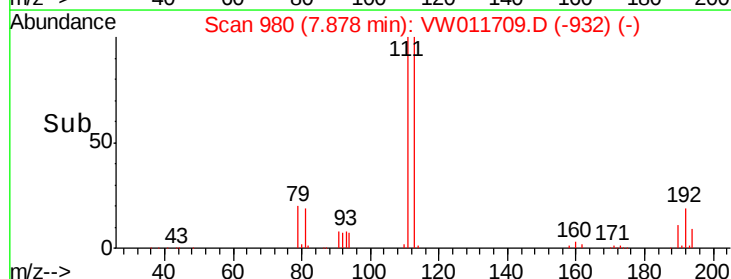
192 20.1 16.1 24.1

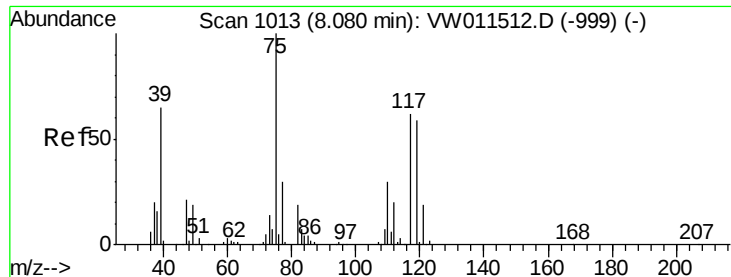


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

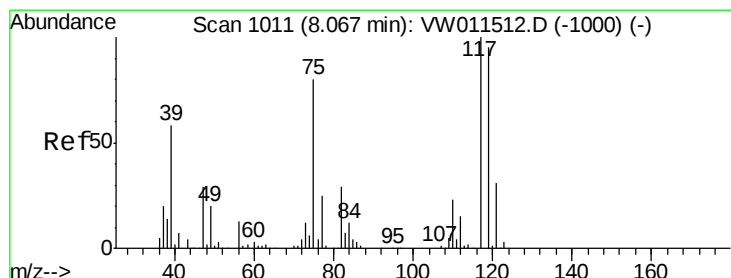
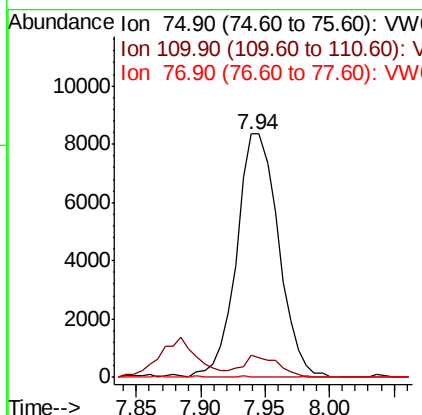
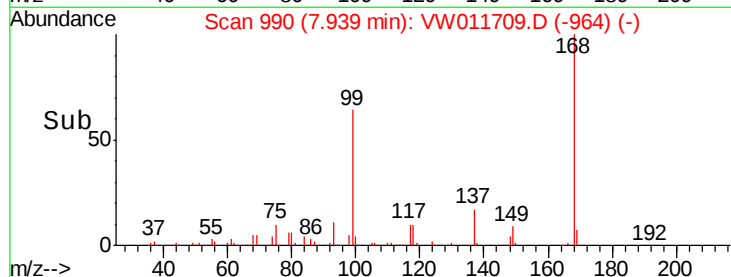
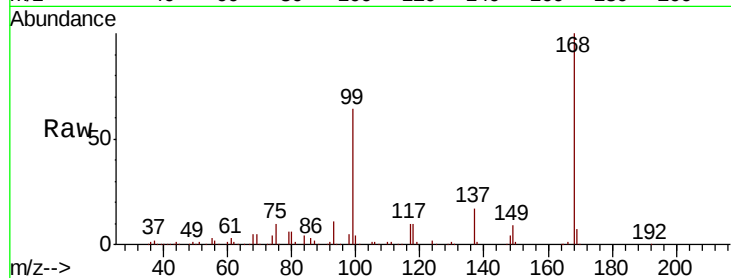




#36
 1,1-Dichloropropene
 Concen: 5.150 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW011709.D
 Acq: 05 Aug 2019 15:03

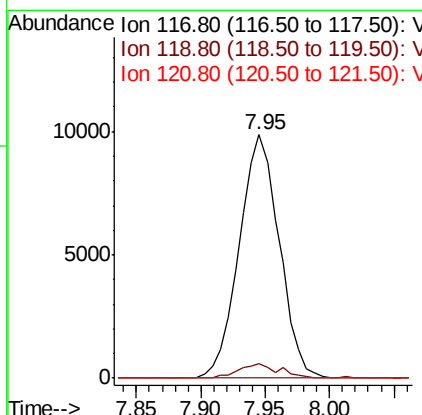
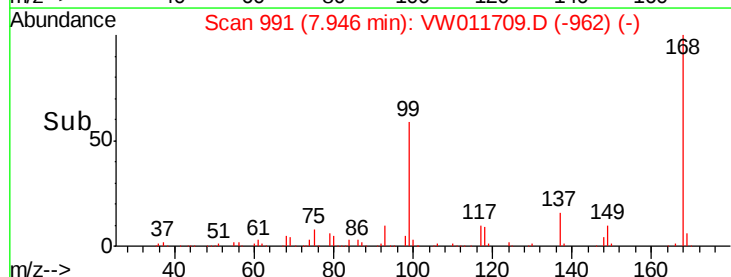
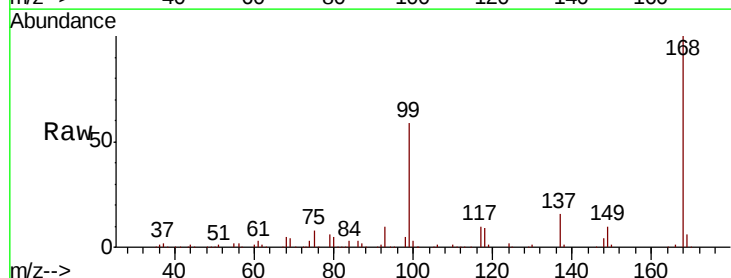
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0806SBL01

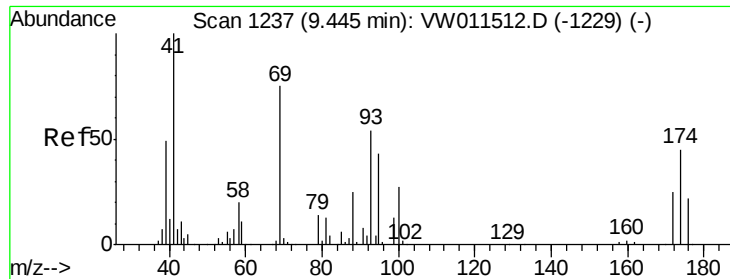
Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.6	15.6	46.8#
77	0.1	24.3	36.5#



#38
 Carbon Tetrachloride
 Concen: 6.777 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW011709.D
 Acq: 05 Aug 2019 15:03

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.9	75.8	113.6#
121	0.0	24.7	37.1#





#49

1,4-Dioxane

Concen: 1.382 ug/l

RT: 9.19 min Scan# 1195

Delta R.T. -0.26 min

Lab File: VW011709.D

Acq: 05 Aug 2019 15:03

Instrument :

MSVOA_W

ClientSampled :

VW0806SBL01

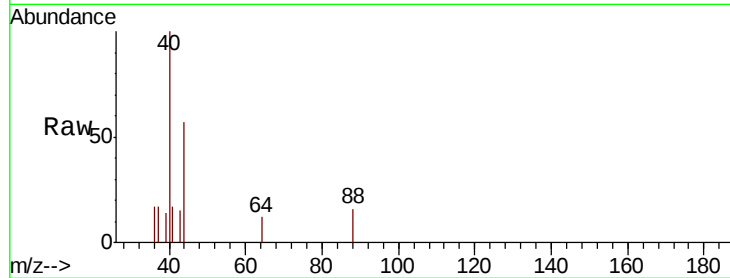
Tgt Ion: 88 Resp: 25

Ion Ratio Lower Upper

88 100

43 0.0 34.0 51.0#

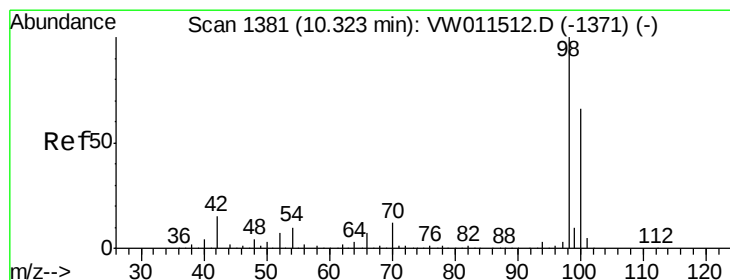
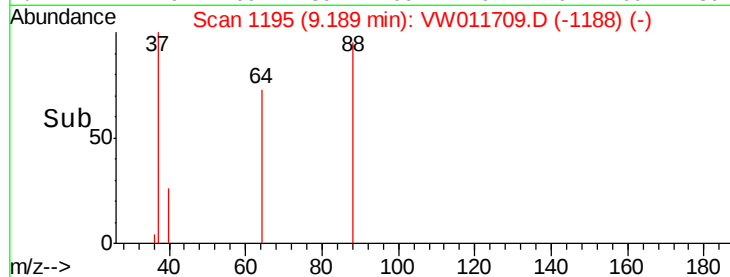
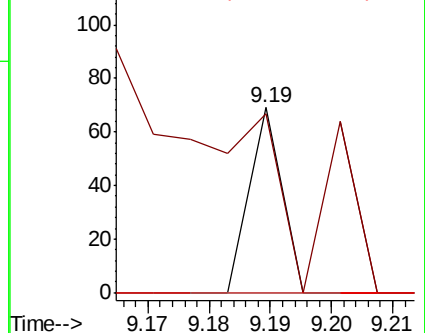
58 0.0 69.7 104.5#



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: 53.317 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW011709.D

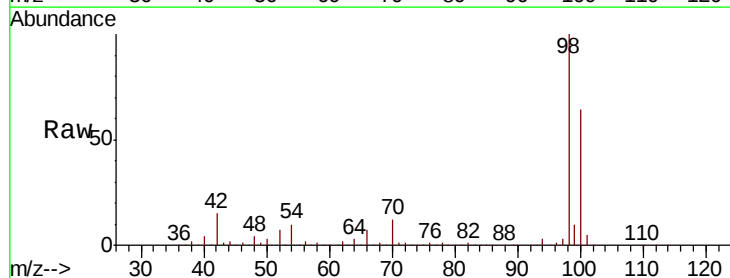
Acq: 05 Aug 2019 15:03

Tgt Ion: 98 Resp: 430208

Ion Ratio Lower Upper

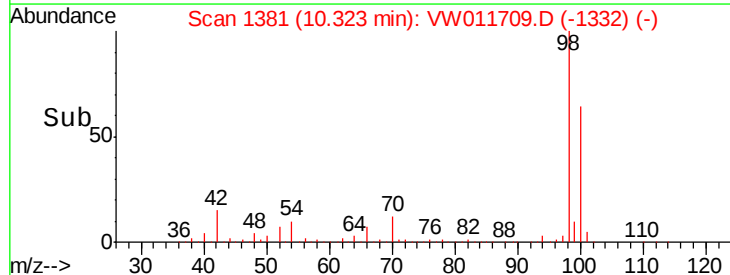
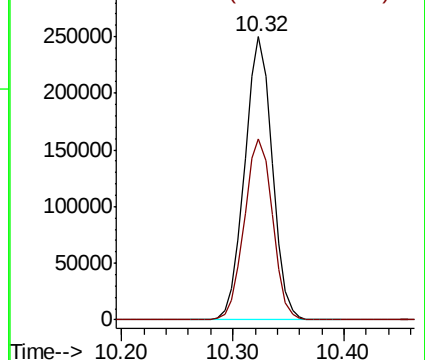
98 100

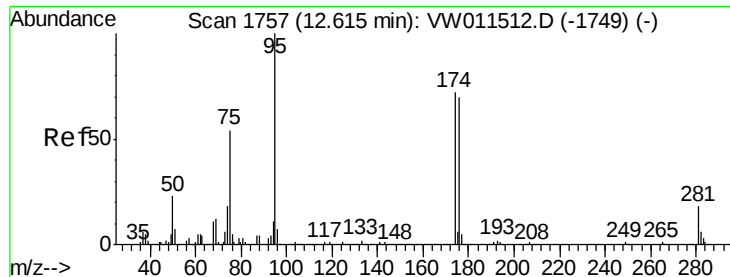
100 65.5 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 48.497 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW011709.D

Acq: 05 Aug 2019 15:03

Instrument :

MSVOA_W

ClientSampleId :

VW0806SBL01

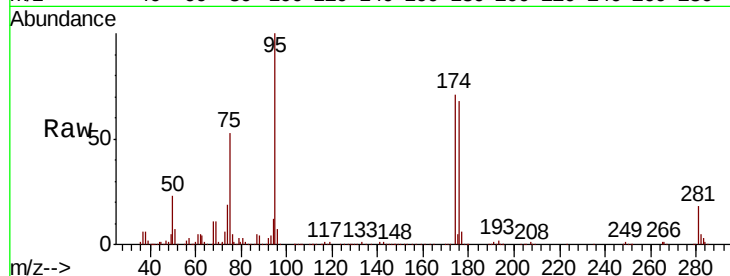
Tgt Ion: 95 Resp: 139513

Ion Ratio Lower Upper

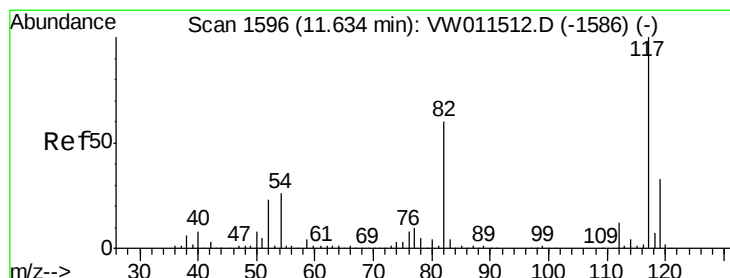
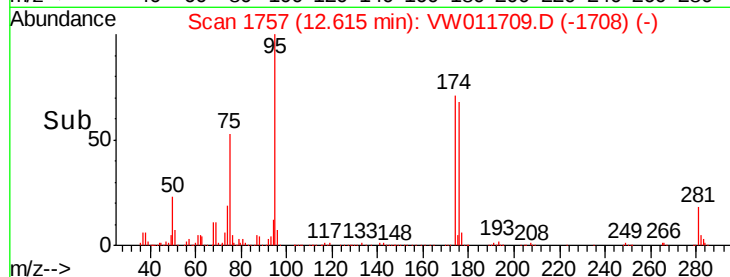
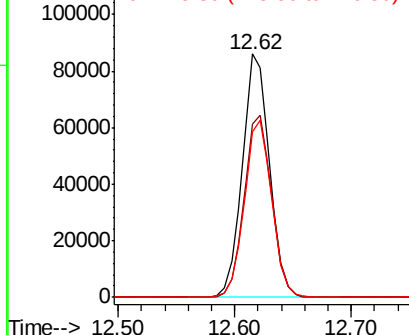
95 100

174 76.5 0.0 150.2

176 73.3 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: VW011709.D

Acq: 05 Aug 2019 15:03

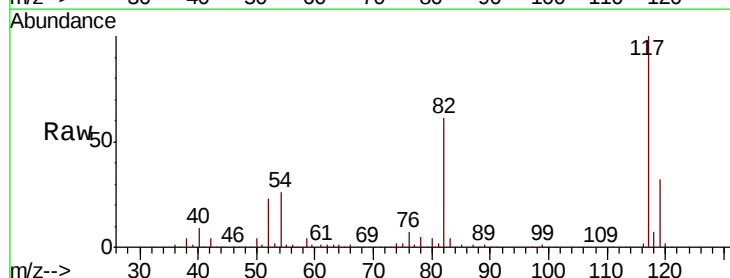
Tgt Ion: 117 Resp: 295305

Ion Ratio Lower Upper

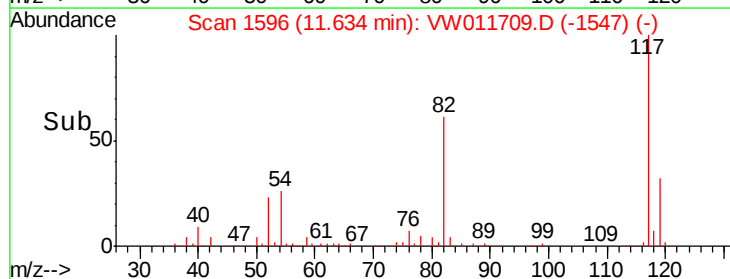
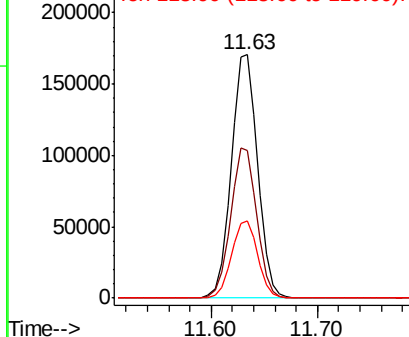
117 100

82 60.6 47.9 71.9

119 31.8 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: VW011709.D

Acq: 05 Aug 2019 15:03

Instrument :

MSVOA_W

ClientSampleId :

VW0806SBL01

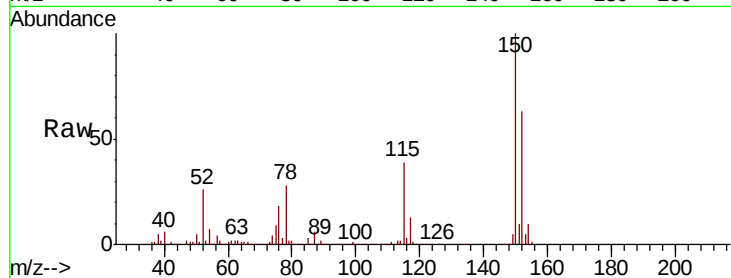
Tgt Ion:152 Resp: 124866

Ion Ratio Lower Upper

152 100

115 60.9 30.5 91.5

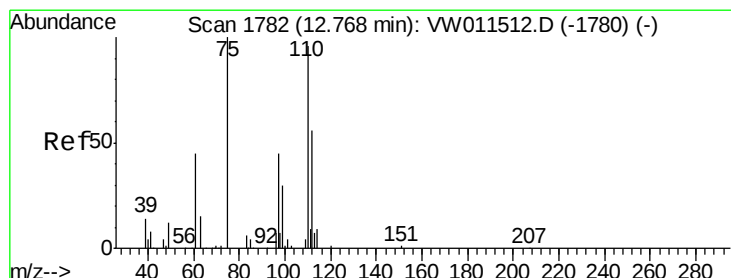
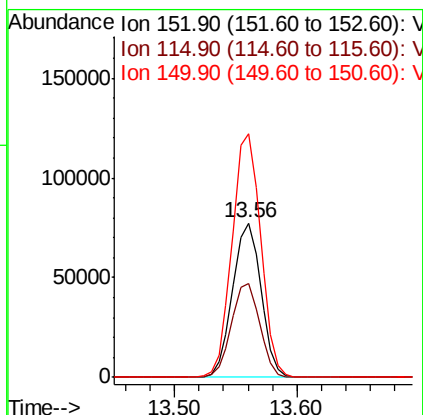
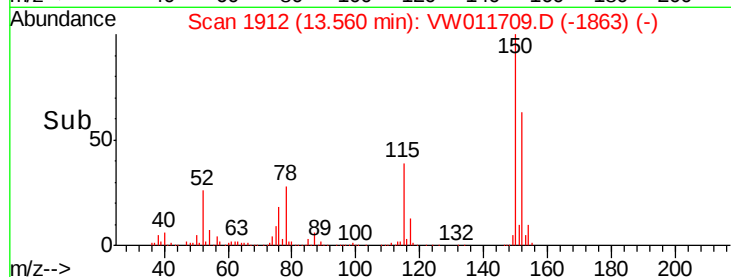
150 158.1 0.0 352.6



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: 56.879 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011709.D

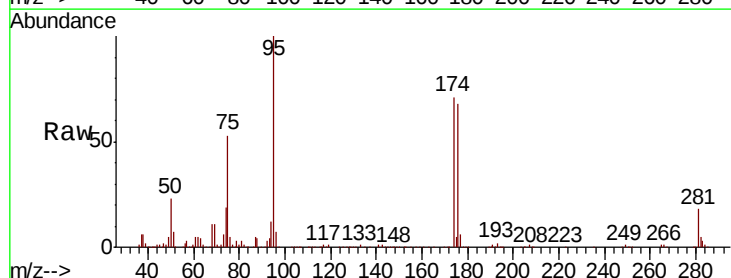
Acq: 05 Aug 2019 15:03

Tgt Ion: 75 Resp: 75150

Ion Ratio Lower Upper

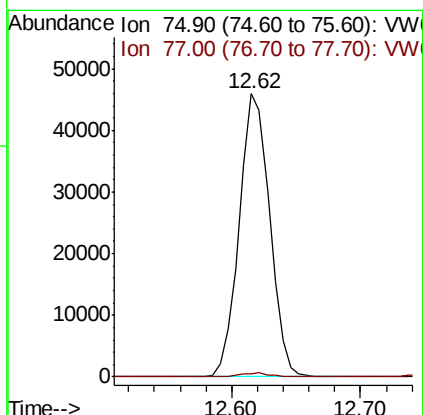
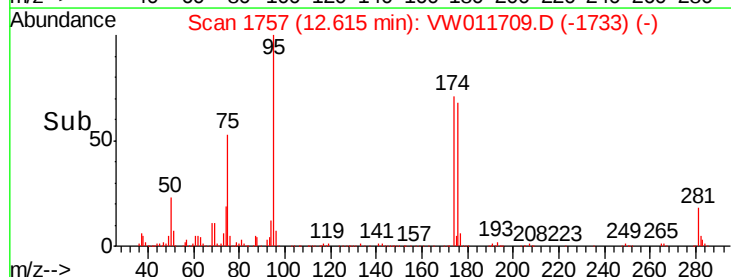
75 100

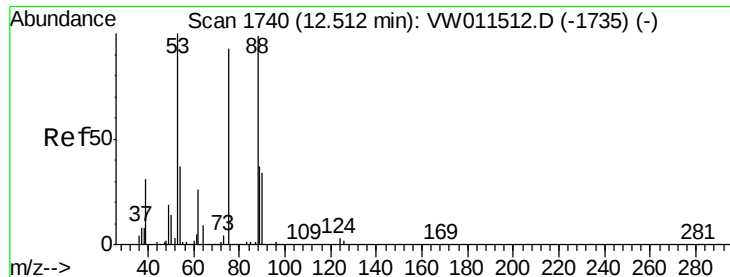
77 1.4 0.0 0.0#



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: 131.086 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011709.D

Acq: 05 Aug 2019 15:03

Instrument :

MSVOA_W

ClientSampleId :

VW0806SBL01

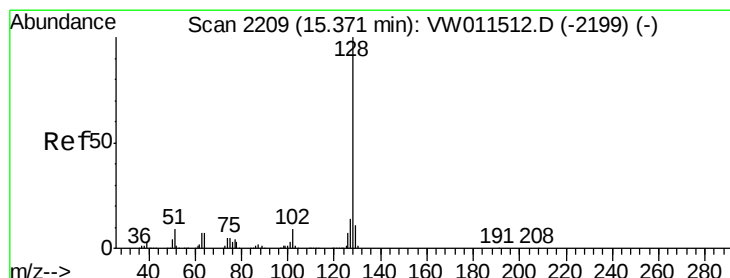
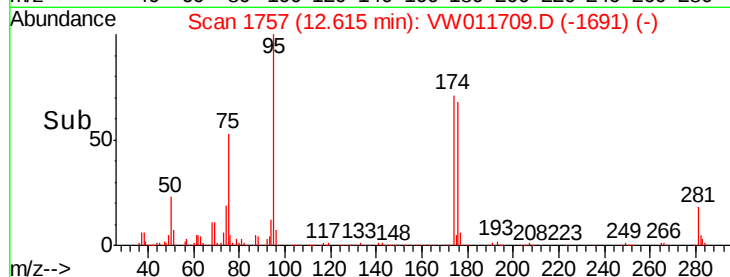
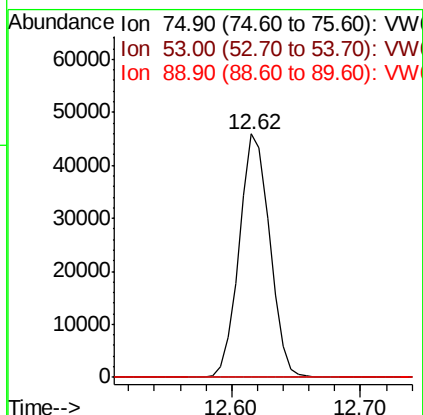
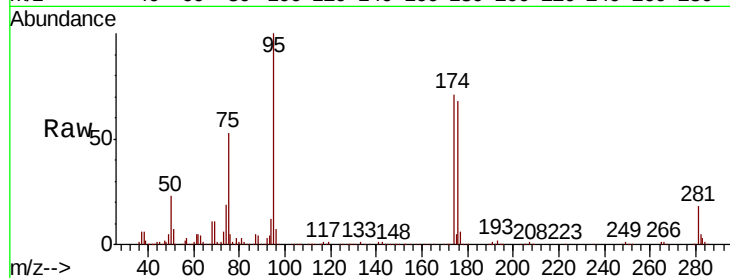
Tgt Ion: 75 Resp: 75150

Ion Ratio Lower Upper

75 100

53 0.0 88.0 132.0#

89 0.3 35.3 52.9#



#95

Naphthalene

Concen: 2.332 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.01 min

Lab File: VW011709.D

Acq: 05 Aug 2019 15:03

Tgt Ion: 128 Resp: 1367

Ion Ratio Lower Upper

128 100

127 5.4 10.6 16.0#

129 6.1 8.6 13.0#

