

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081219\
 Data File : VW011829.D
 Acq On : 09 Aug 2019 23:26
 Operator : SY/VA
 Sample : K4227-15
 Misc : 5.36G/5ML/MSVOA_W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 1S-Q(1)

Quant Time: Aug 11 01:30:38 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	200572	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	335892	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	276279	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	109139	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	135812	58.97	ug/l	0.00
Spiked Amount 50.000			Recovery	=	117.94%	
35) Dibromofluoromethane	7.88	113	102956	54.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.28%	
50) Toluene-d8	10.32	98	412027	53.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.80%	
62) 4-Bromofluorobenzene	12.62	95	127815	46.47	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.94%	

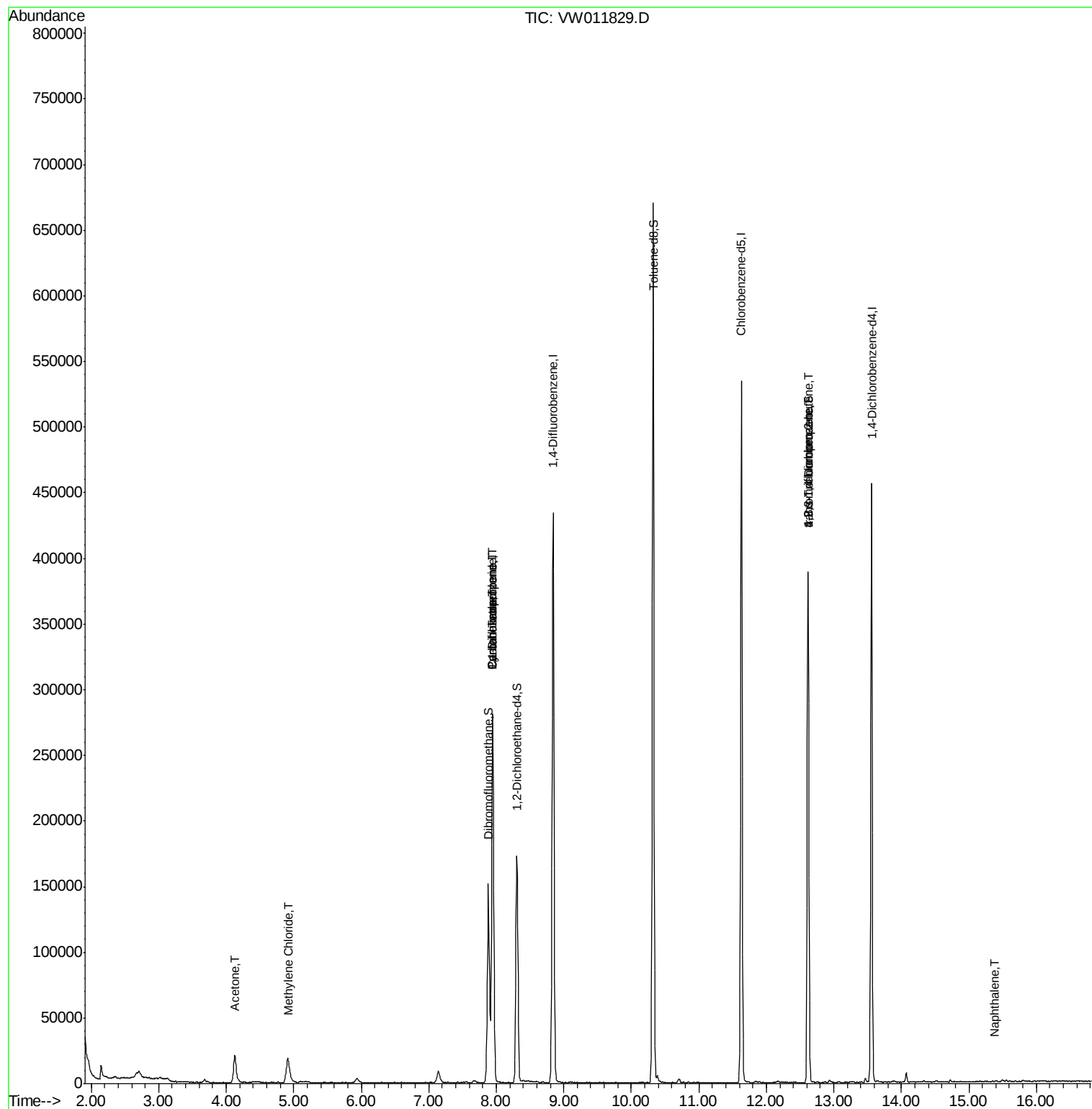
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.18	59	1025	Below Cal	#	77
16) Acetone	4.12	43	38747	52.888	ug/l	99
20) Methylene Chloride	4.92	84	13933	5.514	ug/l	92
31) Cyclohexane	7.95	56	5265	1.223	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	17702	5.068	ug/l #	50
38) Carbon Tetrachloride	7.95	117	20858	6.976	ug/l #	15
76) 1,2,3-Trichloropropane	12.62	75	69847	60.483	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	69847	139.393	ug/l #	6
95) Naphthalene	15.38	128	20	2.070	ug/l #	69

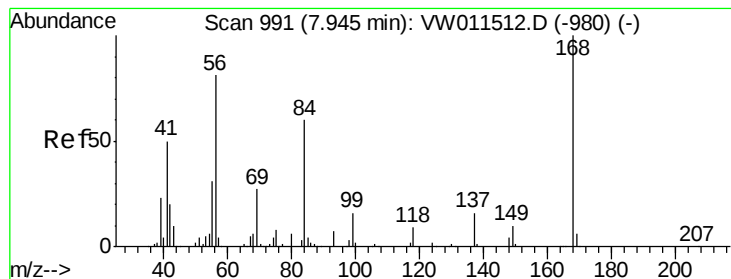
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW081219\
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ClientSampleId :
1S-Q-(1)

Quant Time: Aug 11 01:30:38 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# 992

Delta R.T. 0.01 min

Lab File: VW011829.D

Acq: 09 Aug 2019 23:26

Instrument :

MSVOA_W

ClientSampleId :

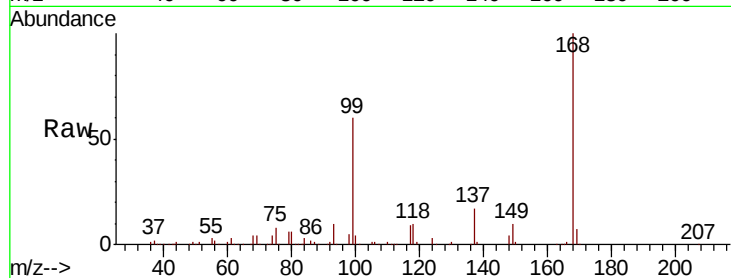
1S-Q-(1)

Tgt Ion:168 Resp: 200572

Ion Ratio Lower Upper

168 100

99 59.8 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

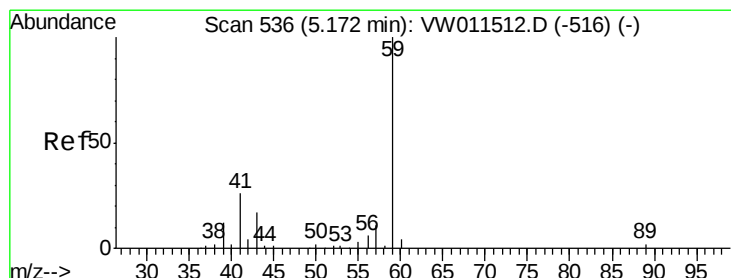
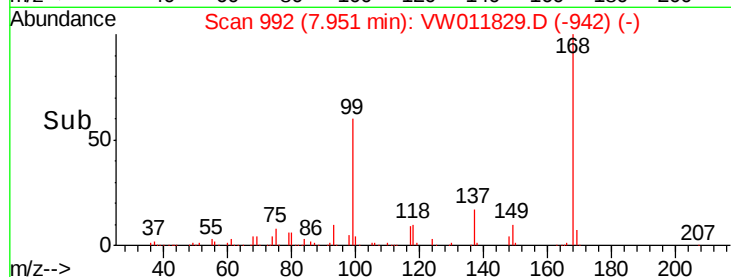
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.18 min Scan# 537

Delta R.T. 0.01 min

Lab File: VW011829.D

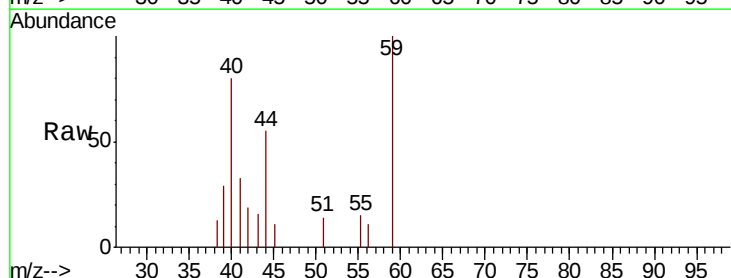
Acq: 09 Aug 2019 23:26

Tgt Ion: 59 Resp: 1025

Ion Ratio Lower Upper

59 100

57 2.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.18

500

400

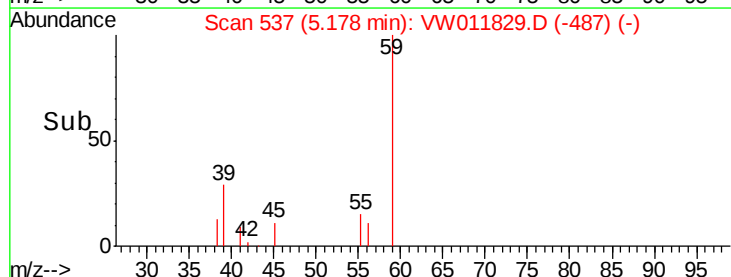
300

200

100

0

Time-->





#16

Acetone

Concen: 52.888 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW011829.D

Acq: 09 Aug 2019 23:26

Instrument :

MSVOA_W

ClientSampleId :

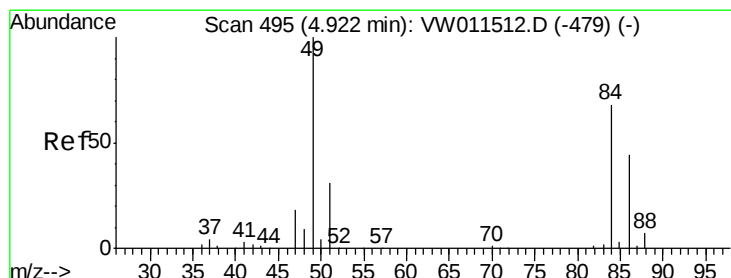
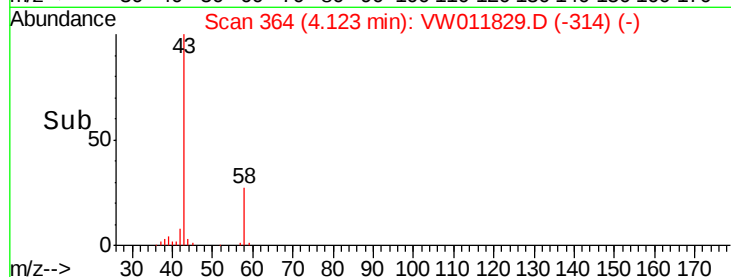
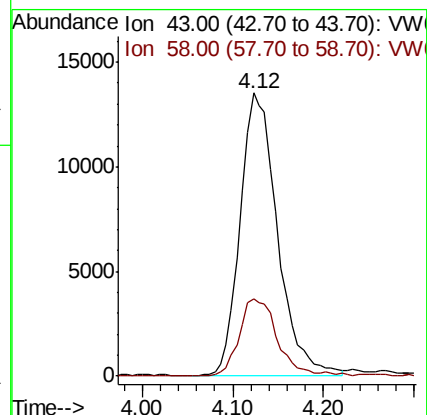
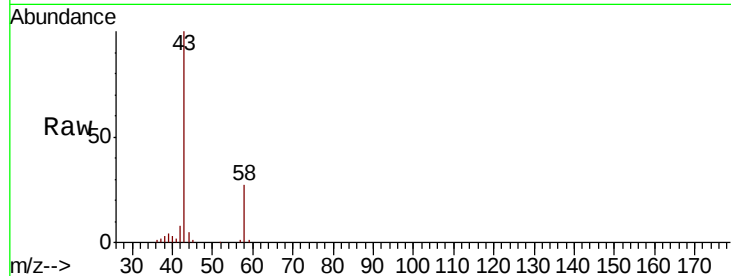
1S-Q-(1)

Tgt Ion: 43 Resp: 38747

Ion Ratio Lower Upper

43 100

58 27.2 22.3 33.5



#20

Methylene Chloride

Concen: 5.514 ug/l

RT: 4.92 min Scan# 495

Delta R.T. -0.00 min

Lab File: VW011829.D

Acq: 09 Aug 2019 23:26

Tgt Ion: 84 Resp: 13933

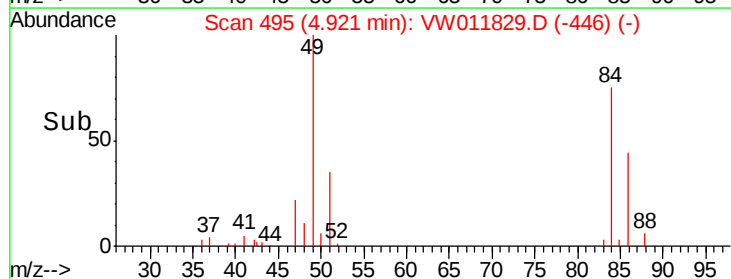
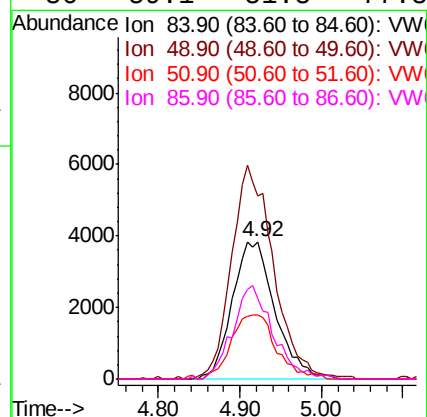
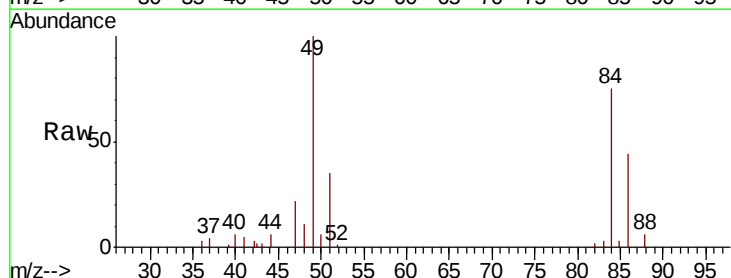
Ion Ratio Lower Upper

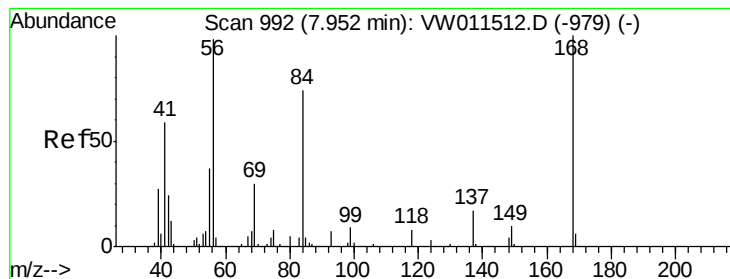
84 100

49 133.4 117.8 176.6

51 46.3 37.0 55.4

86 59.1 51.8 77.8





#31

Cyclohexane

Concen: 1.223 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW011829.D

Acq: 09 Aug 2019 23:26

Instrument :

MSVOA_W

ClientSampleId :

1S-Q(1)

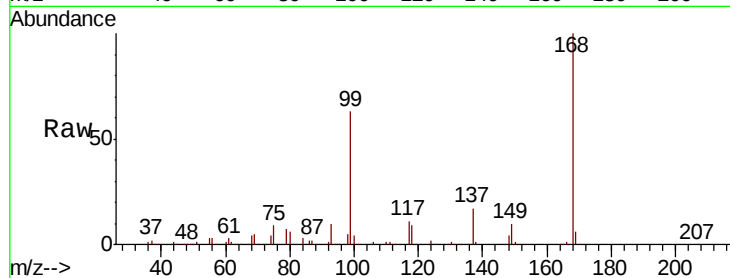
Tgt Ion: 56 Resp: 5265

Ion Ratio Lower Upper

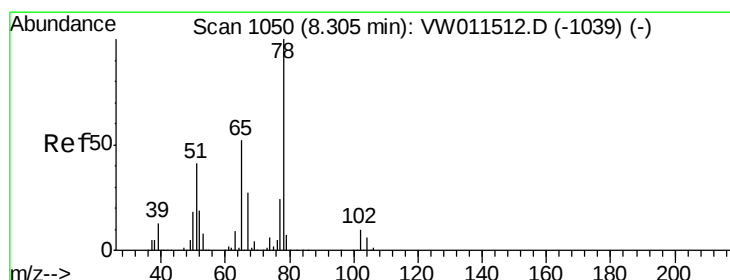
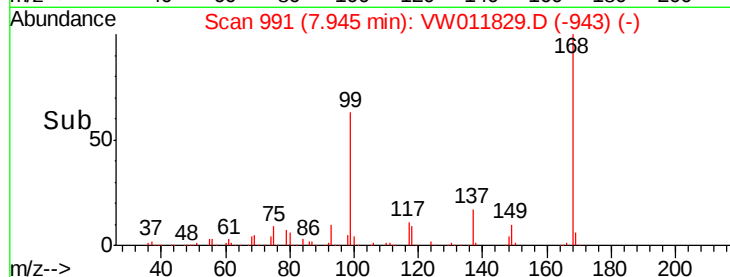
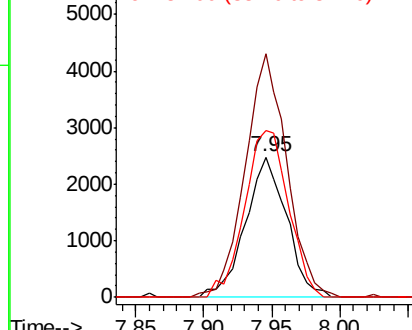
56 100

69 173.6 24.3 36.5#

84 119.0 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: 58.969 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW011829.D

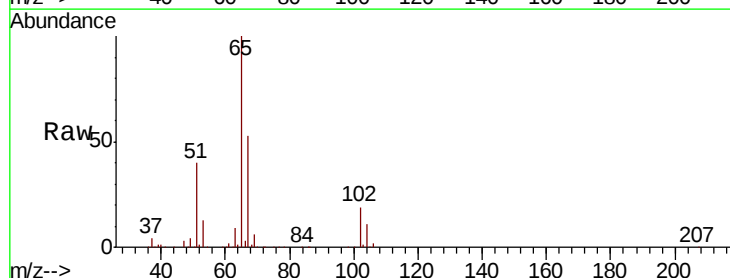
Acq: 09 Aug 2019 23:26

Tgt Ion: 65 Resp: 135812

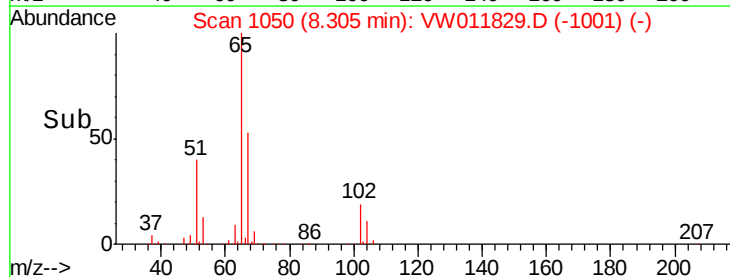
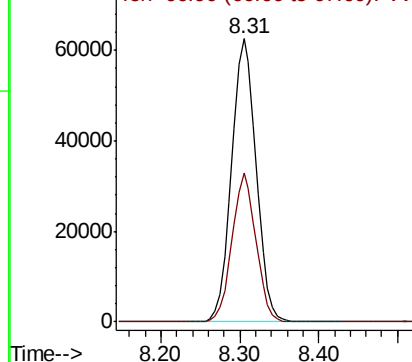
Ion Ratio Lower Upper

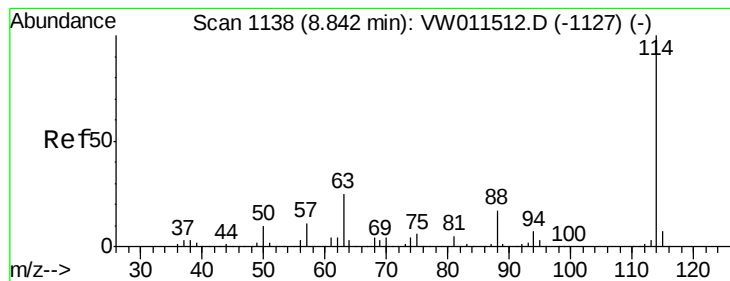
65 100

67 51.2 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: VW011829.D

Acq: 09 Aug 2019 23:26

Instrument :

MSVOA_W

ClientSampleId :

1S-Q(1)

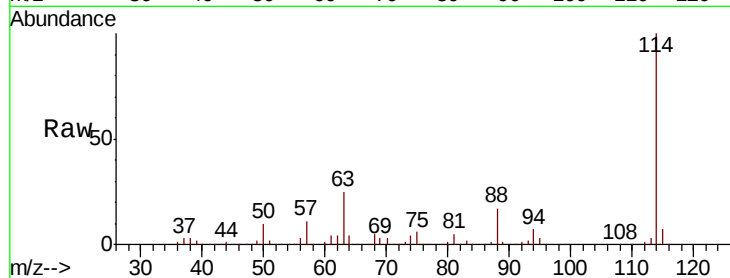
Tgt Ion:114 Resp: 335892

Ion Ratio Lower Upper

114 100

63 25.4 0.0 49.2

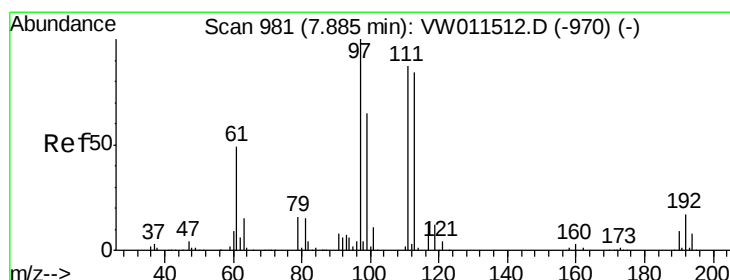
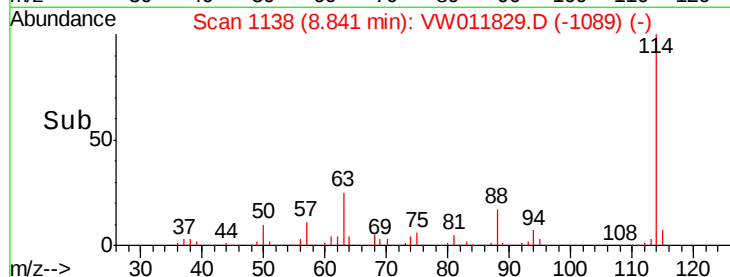
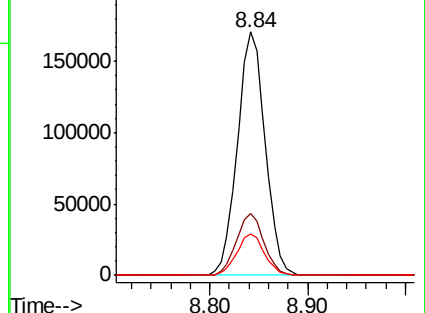
88 17.1 0.0 33.8



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: 54.636 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW011829.D

Acq: 09 Aug 2019 23:26

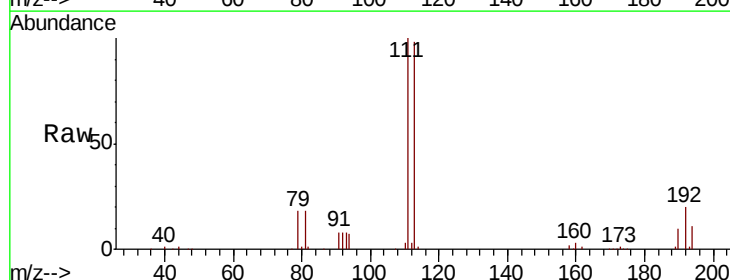
Tgt Ion:113 Resp: 102956

Ion Ratio Lower Upper

113 100

111 104.7 82.7 124.1

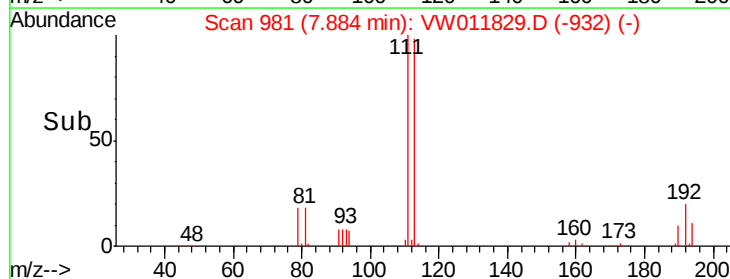
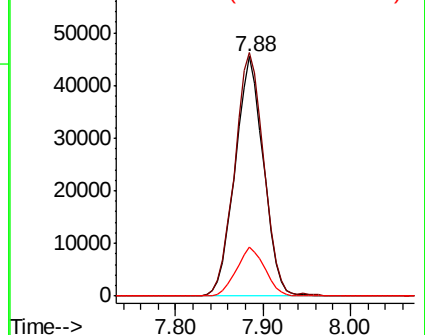
192 20.4 16.1 24.1

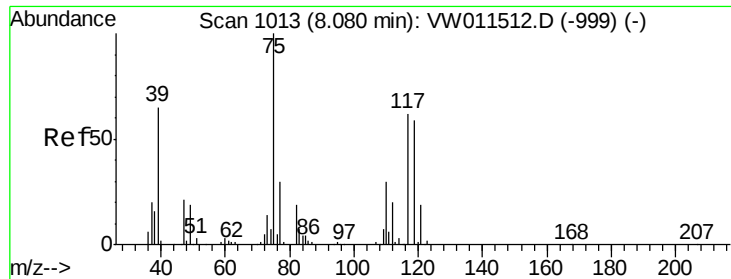


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

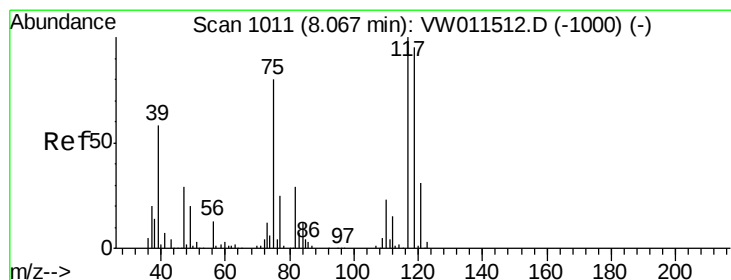
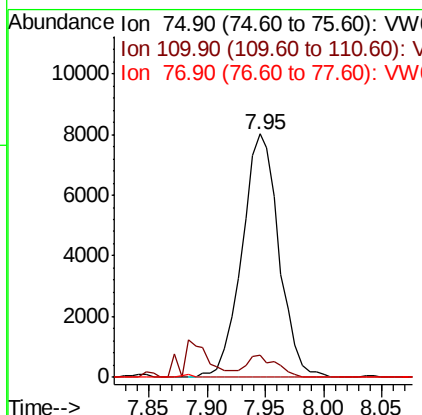
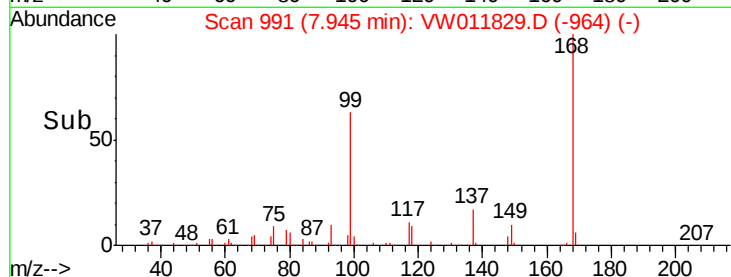
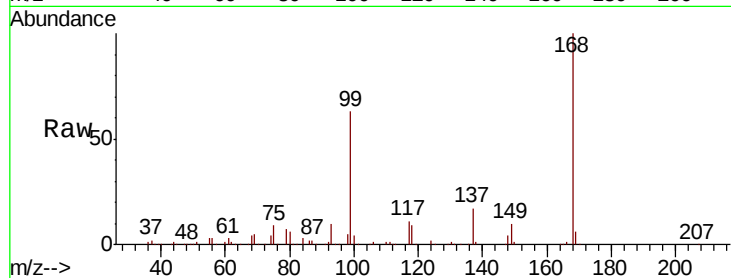




#36
 1,1-Dichloropropene
 Concen: 5.068 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW011829.D
 Acq: 09 Aug 2019 23:26

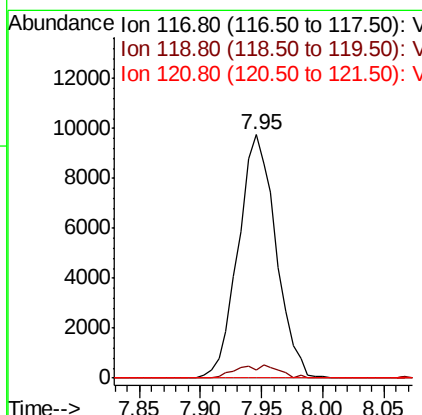
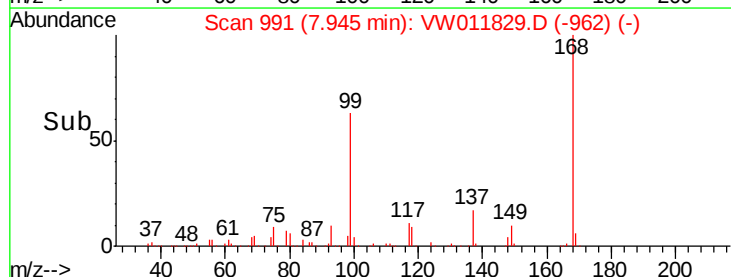
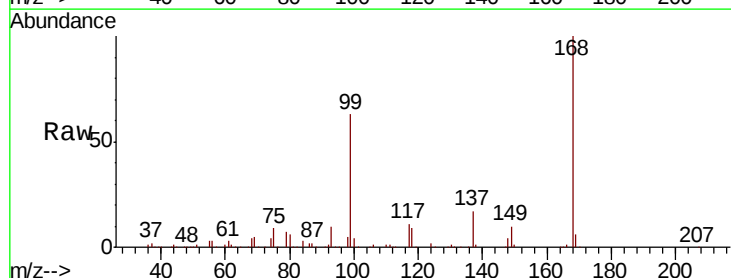
Instrument :
 MSVOA_W
 ClientSampleId :
 1S-Q(1)

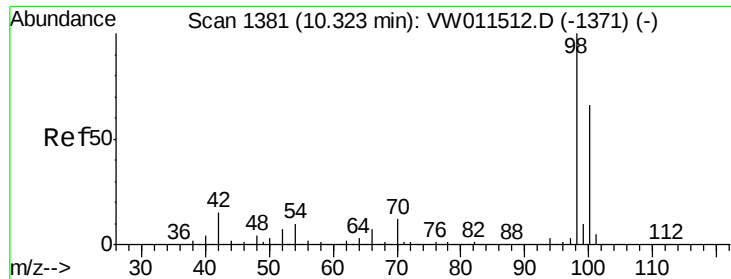
Tgt Ion: 75 Resp: 17702
 Ion Ratio Lower Upper
 75 100
 110 7.1 15.6 46.8#
 77 0.0 24.3 36.5#



#38
 Carbon Tetrachloride
 Concen: 6.976 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW011829.D
 Acq: 09 Aug 2019 23:26

Tgt Ion: 117 Resp: 20858
 Ion Ratio Lower Upper
 117 100
 119 3.5 75.8 113.6#
 121 0.0 24.7 37.1#





#50

Toluene-d8

Concen: 53.404 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW011829.D

Acq: 09 Aug 2019 23:26

Instrument :

MSVOA_W

ClientSampled :

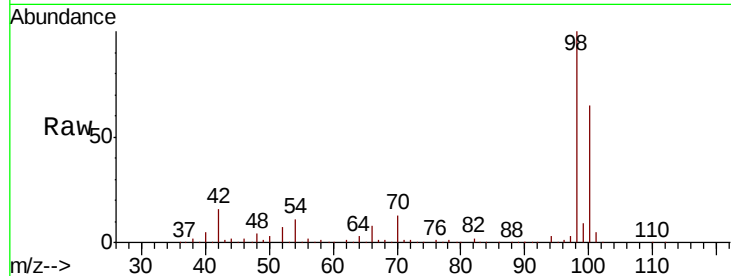
1S-Q(1)

Tgt Ion: 98 Resp: 412027

Ion Ratio Lower Upper

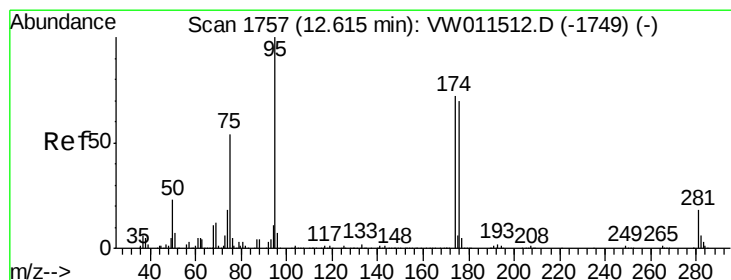
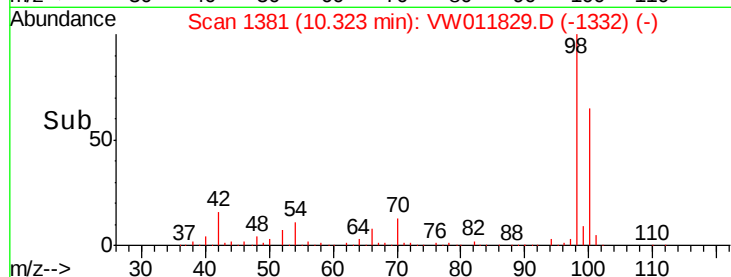
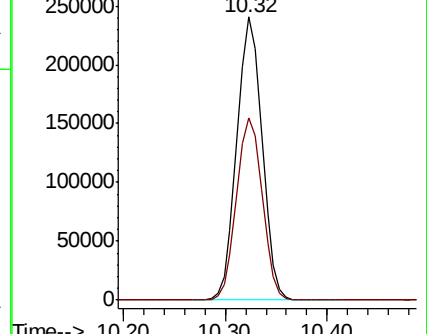
98 100

100 65.6 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: 46.467 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.01 min

Lab File: VW011829.D

Acq: 09 Aug 2019 23:26

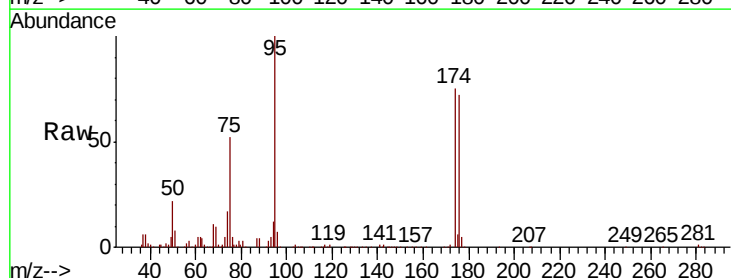
Tgt Ion: 95 Resp: 127815

Ion Ratio Lower Upper

95 100

174 75.8 0.0 150.2

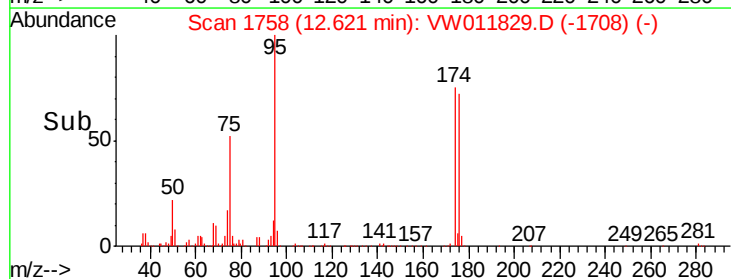
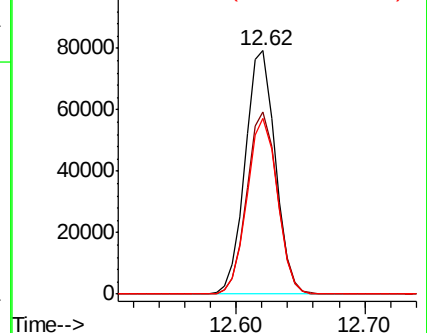
176 73.0 0.0 144.4

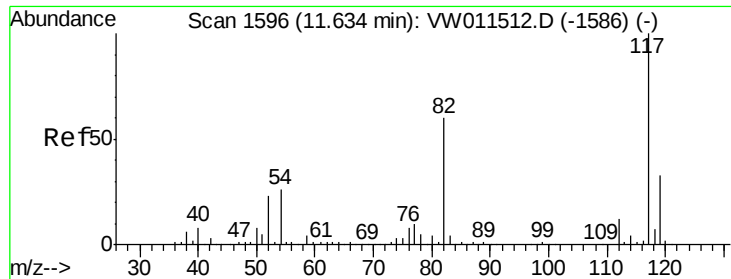


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

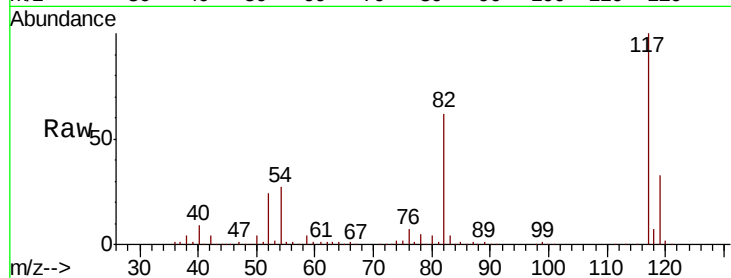




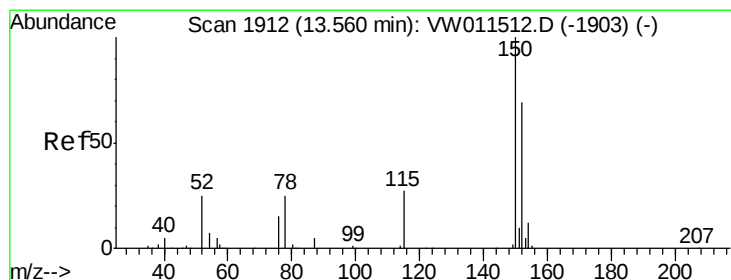
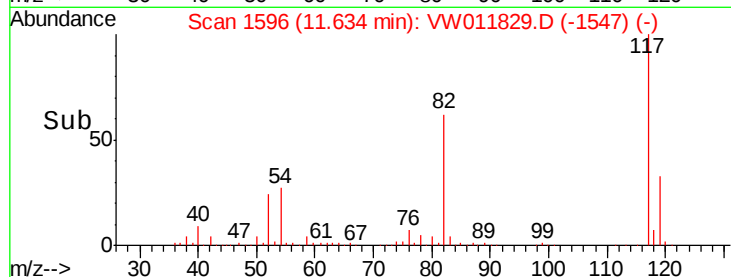
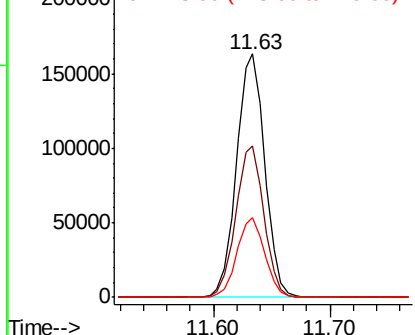
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW011829.D
Acq: 09 Aug 2019 23:26

Instrument :
MSVOA_W
ClientSampled :
1S-Q(1)

Tgt Ion:117 Resp: 276279
Ion Ratio Lower Upper
117 100
82 62.4 47.9 71.9
119 32.6 26.2 39.2

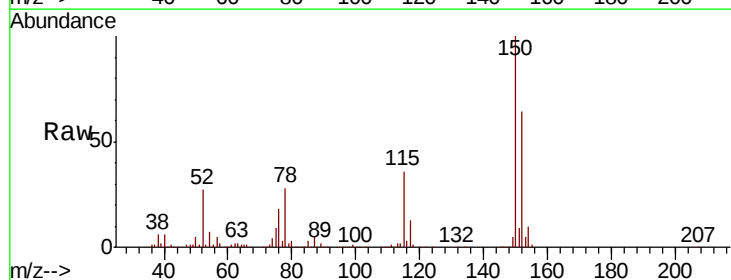


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

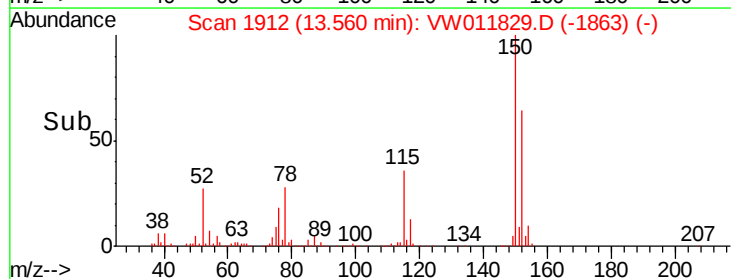
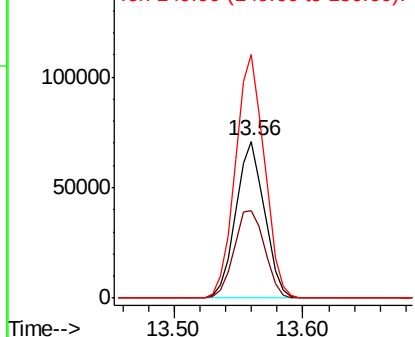


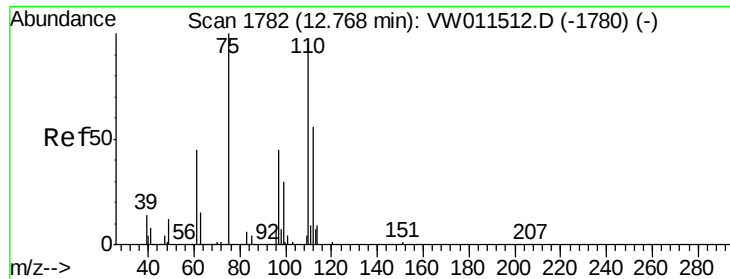
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW011829.D
Acq: 09 Aug 2019 23:26

Tgt Ion:152 Resp: 109139
Ion Ratio Lower Upper
152 100
115 60.2 30.5 91.5
150 157.8 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: 60.483 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011829.D

Acq: 09 Aug 2019 23:26

Instrument :

MSVOA_W

ClientSampleId :

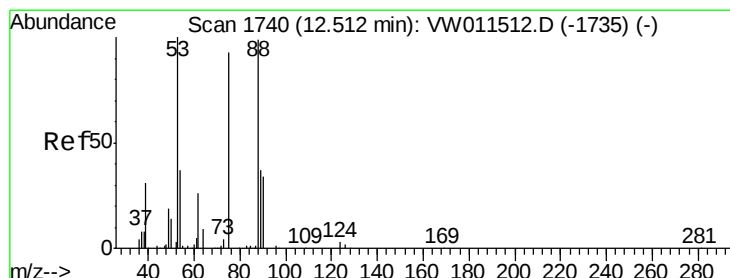
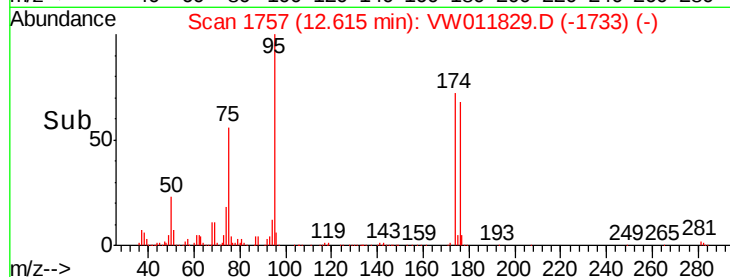
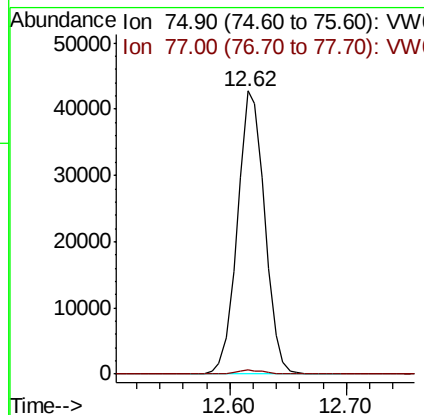
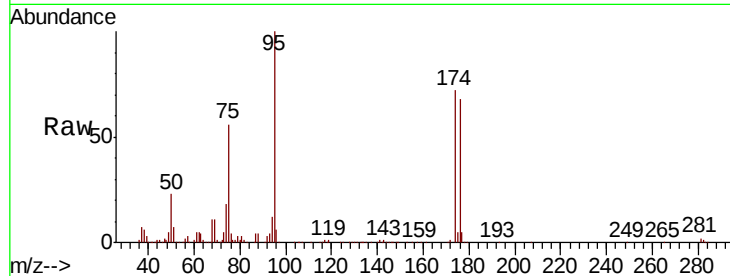
1S-Q(1)

Tgt Ion: 75 Resp: 69847

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 139.393 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011829.D

Acq: 09 Aug 2019 23:26

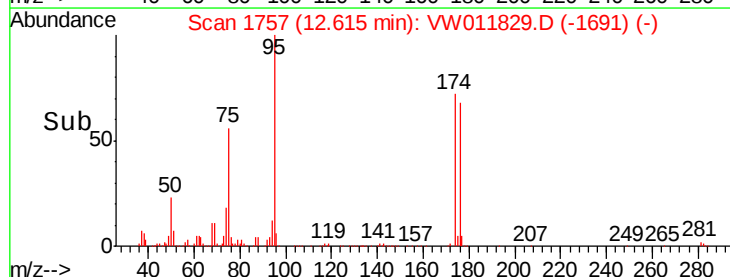
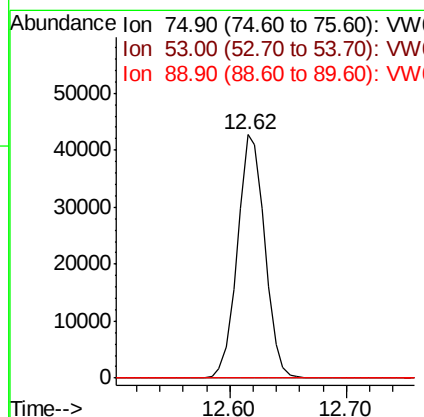
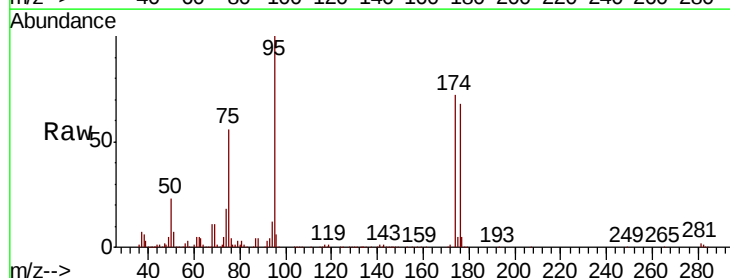
Tgt Ion: 75 Resp: 69847

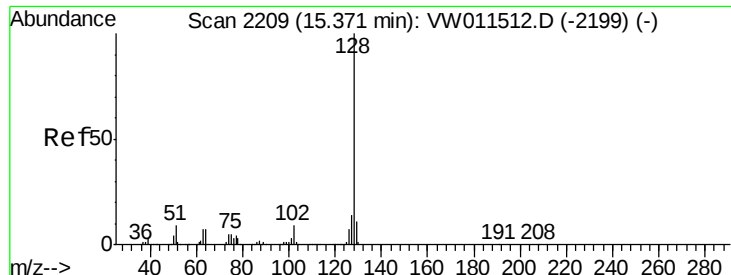
Ion Ratio Lower Upper

75 100

53 0.1 88.0 132.0#

89 0.0 35.3 52.9#

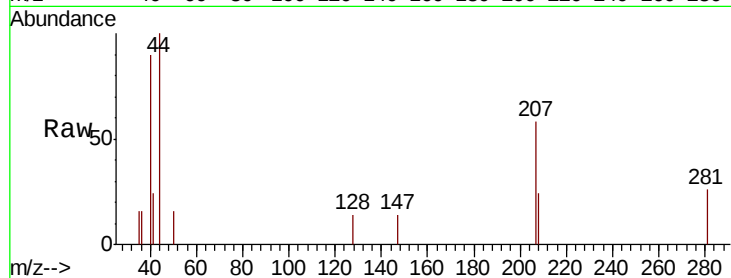




#95
Naphthalene
Concen: 2.070 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.01 min
Lab File: VW011829.D
Acq: 09 Aug 2019 23:26

Instrument :
MSVOA_W
ClientSampleId :
1S-Q-(1)

Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	16.0
129	0.0	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

