

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081219\
 Data File : VW011828.D
 Acq On : 09 Aug 2019 23:00
 Operator : SY/VA
 Sample : K4227-14
 Misc : 5.76G/5ML/MSVOA_W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

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

Quant Time: Aug 11 01:30:28 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	179901	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	297550	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	249095	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	98190	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	125330	60.67	ug/l	0.00
Spiked Amount			Recovery	=	121.34%	
35) Dibromofluoromethane	7.88	113	93970	56.29	ug/l	0.00
Spiked Amount			Recovery	=	112.58%	
50) Toluene-d8	10.32	98	366552	53.63	ug/l	0.00
Spiked Amount			Recovery	=	107.26%	
62) 4-Bromofluorobenzene	12.62	95	114793	47.11	ug/l	0.00
Spiked Amount			Recovery	=	94.22%	

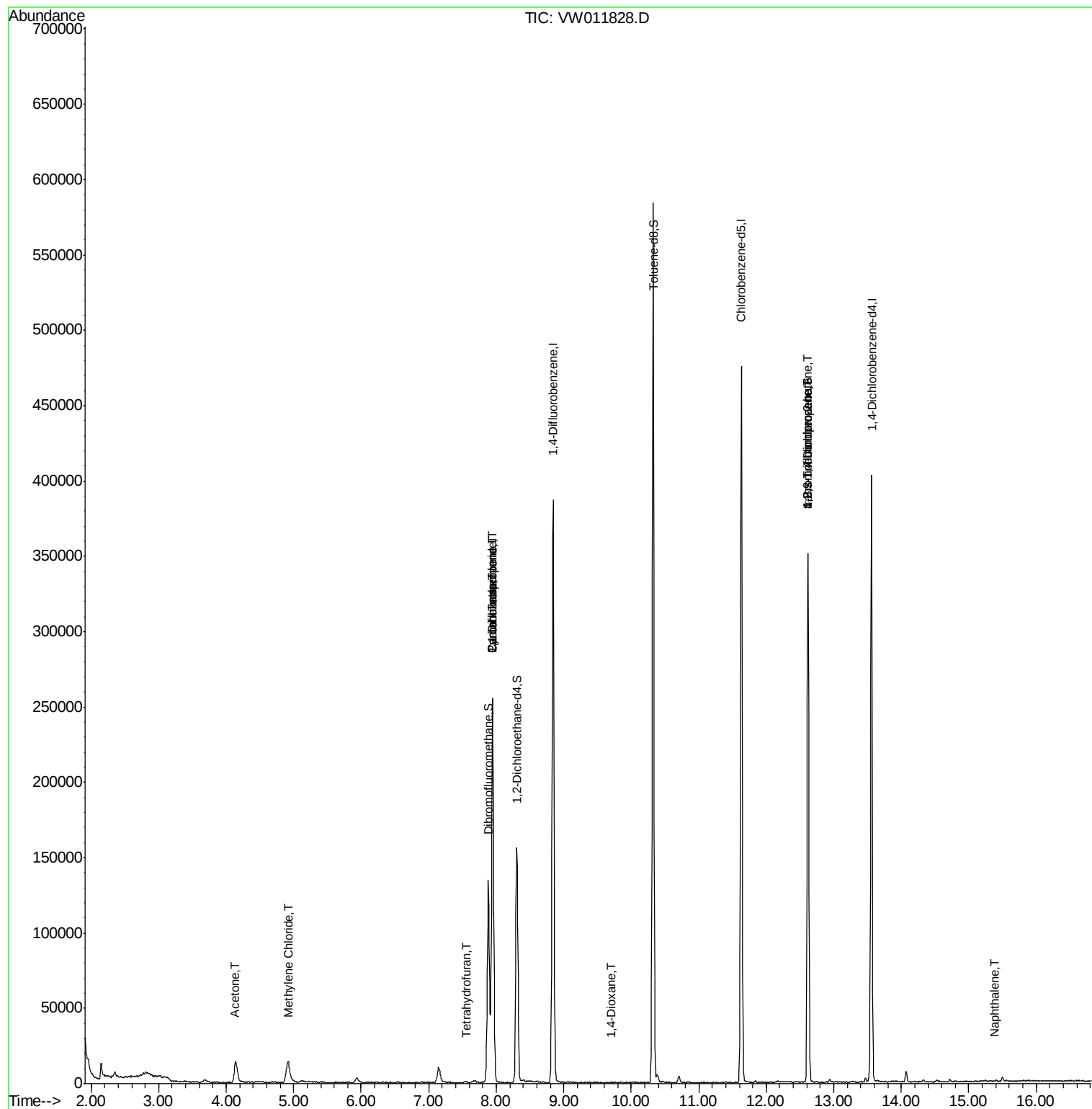
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.21	59	196	Below Cal	#	72
16) Acetone	4.14	43	29873	45.461	ug/l	98
20) Methylene Chloride	4.92	84	10966	4.839	ug/l	99
29) Tetrahydrofuran	7.56	42	595	1.211	ug/l #	45
31) Cyclohexane	7.95	56	4479	1.160	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	15980	5.165	ug/l #	52
38) Carbon Tetrachloride	7.95	117	18312	6.914	ug/l #	17
49) 1,4-Dioxane	9.71	88	20	1.305	ug/l #	15
76) 1,2,3-Trichloropropane	12.62	75	61940	59.617	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	61940	137.397	ug/l #	6
95) Naphthalene	15.37	128	78	2.085	ug/l #	69

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW081219\
Data File : VW011828.D
Acq On : 09 Aug 2019 23:00
Operator : SY/VA
Sample : K4227-14
Misc : 5.76G/5ML/MSVOA_W/SOIL
ALS Vial : 16 Sample Multiplier: 1

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

Quant Time: Aug 11 01:30:28 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: VW011828.D

Acq: 09 Aug 2019 23:00

Instrument :

MSVOA_W

ClientSampleId :

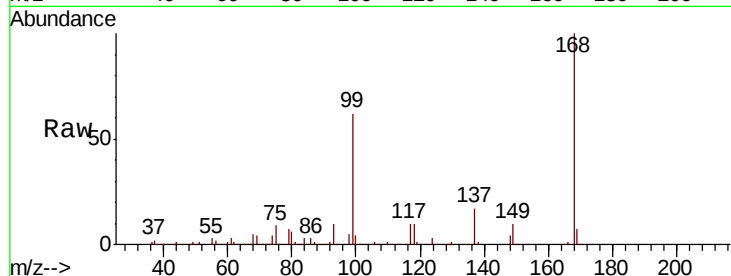
1S-Q(0)

Tgt Ion:168 Resp: 179901

Ion Ratio Lower Upper

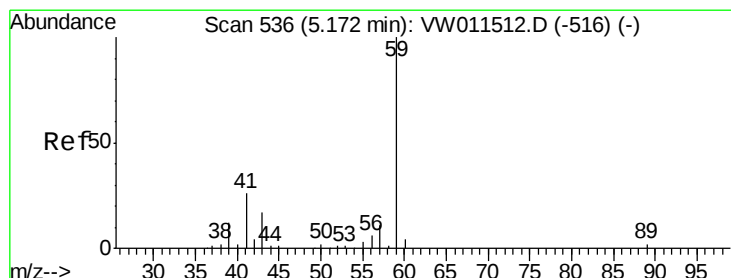
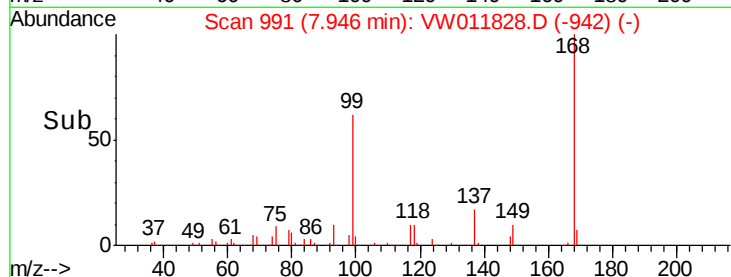
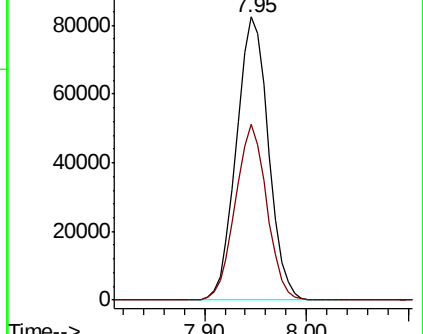
168 100

99 61.9 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: 5.21 min Scan# 543

Delta R.T. 0.04 min

Lab File: VW011828.D

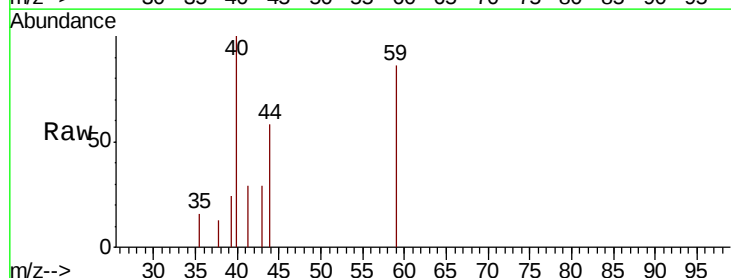
Acq: 09 Aug 2019 23:00

Tgt Ion: 59 Resp: 196

Ion Ratio Lower Upper

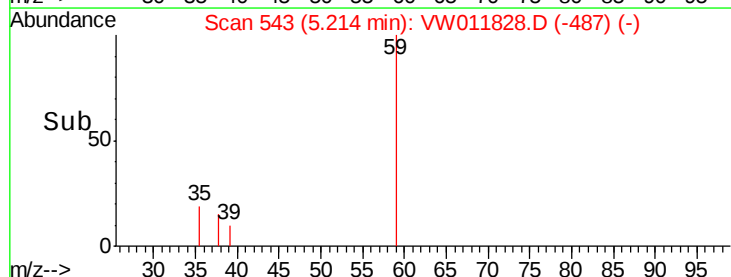
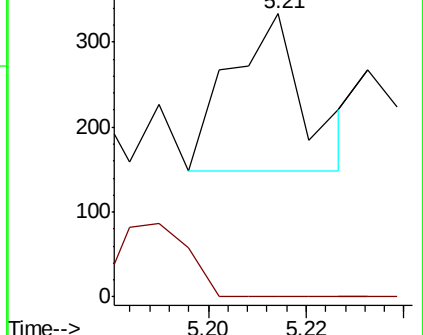
59 100

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: 45.461 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.02 min

Lab File: VW011828.D

Acq: 09 Aug 2019 23:00

Instrument :

MSVOA_W

ClientSampleId :

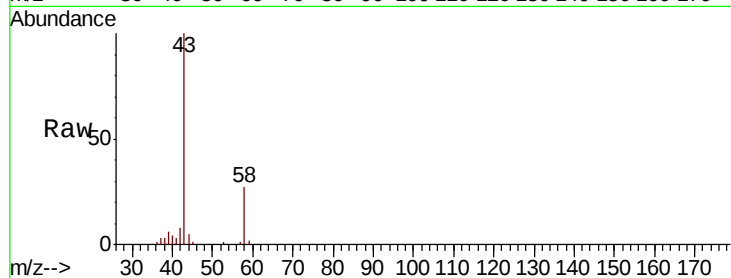
1S-Q(0)

Tgt Ion: 43 Resp: 29873

Ion Ratio Lower Upper

43 100

58 26.8 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.14

10000

8000

6000

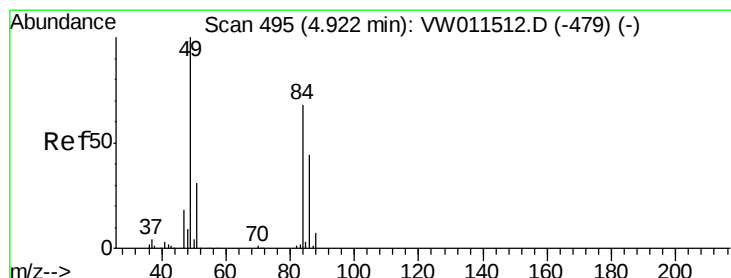
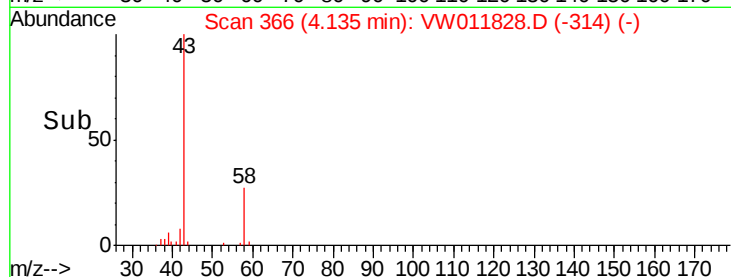
4000

2000

0

Time-->

4.00 4.10 4.20 4.30



#20

Methylene Chloride

Concen: 4.839 ug/l

RT: 4.92 min Scan# 494

Delta R.T. -0.01 min

Lab File: VW011828.D

Acq: 09 Aug 2019 23:00

Tgt Ion: 84 Resp: 10966

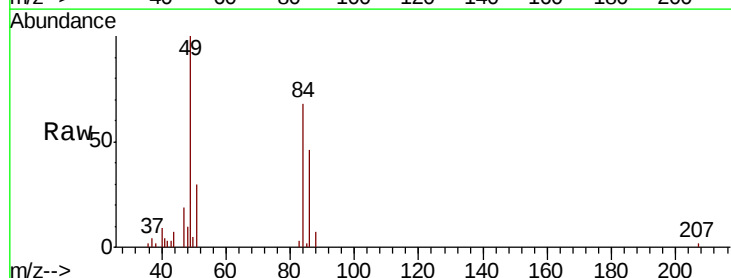
Ion Ratio Lower Upper

84 100

49 146.7 117.8 176.6

51 44.4 37.0 55.4

86 67.2 51.8 77.8



Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW

6000

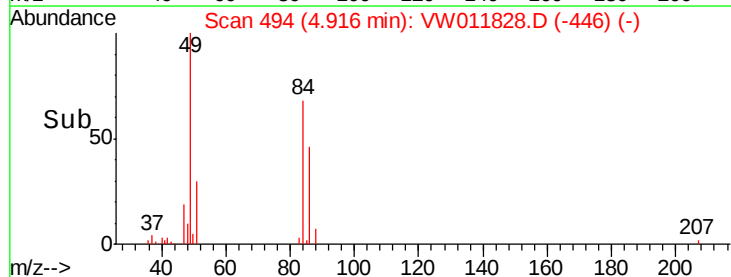
4000

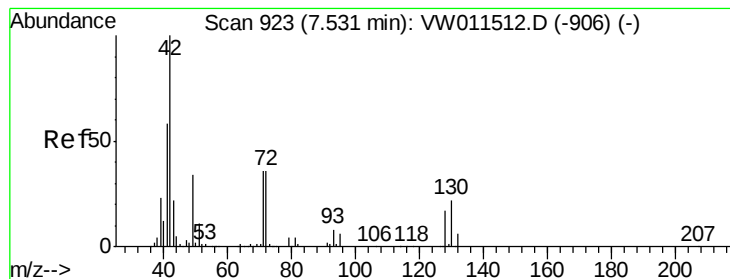
2000

0

Time-->

4.80 4.90 5.00





#29

Tetrahydrofuran

Concen: 1.211 ug/l

RT: 7.56 min Scan# 927

Delta R.T. 0.02 min

Lab File: VW011828.D

Acq: 09 Aug 2019 23:00

Instrument :

MSVOA_W

ClientSampleId :

1S-Q(0)

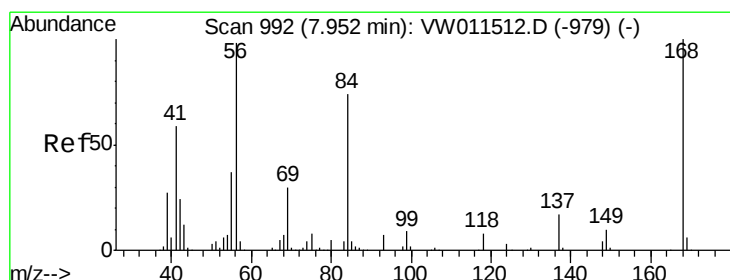
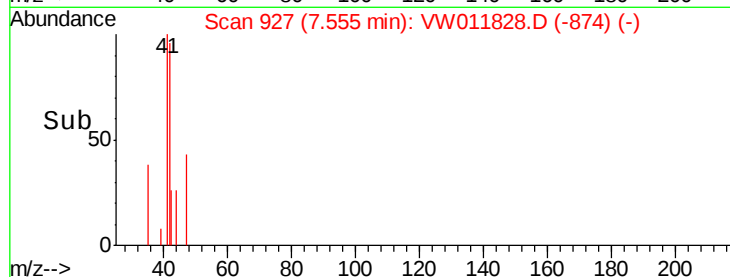
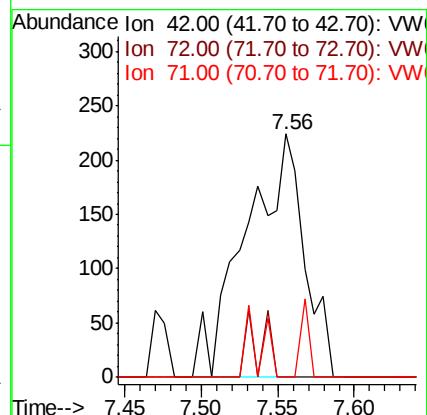
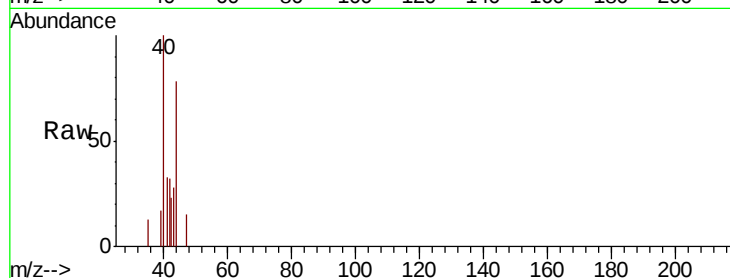
Tgt Ion: 42 Resp: 595

Ion Ratio Lower Upper

42 100

72 0.0 27.1 40.7#

71 4.4 26.2 39.4#



#31

Cyclohexane

Concen: 1.160 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW011828.D

Acq: 09 Aug 2019 23:00

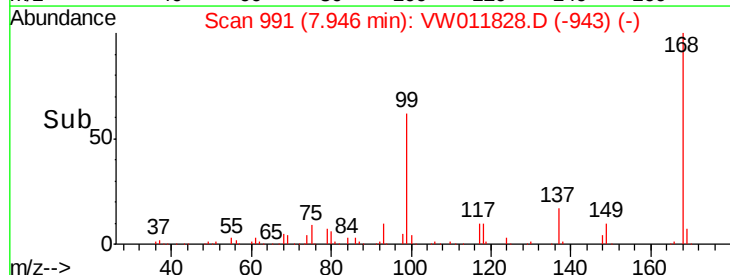
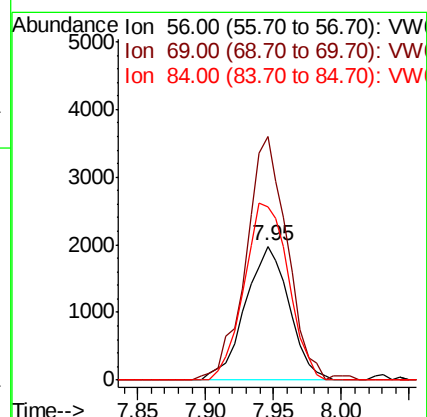
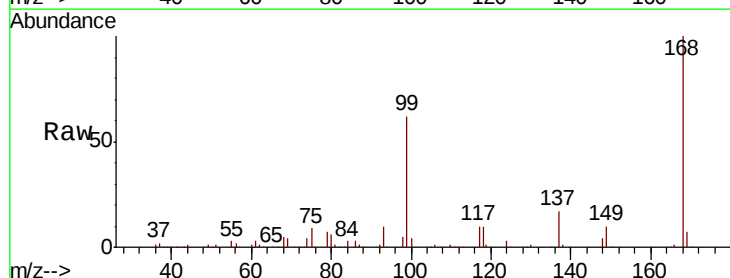
Tgt Ion: 56 Resp: 4479

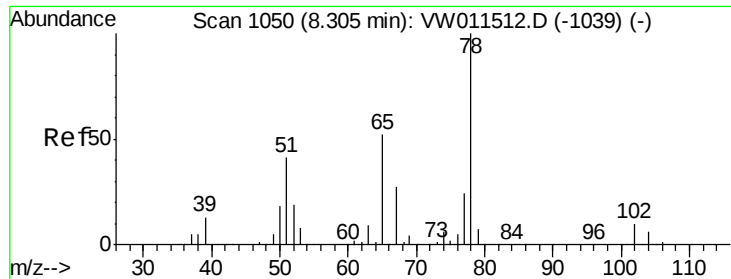
Ion Ratio Lower Upper

56 100

69 181.9 24.3 36.5#

84 129.2 60.4 90.6#

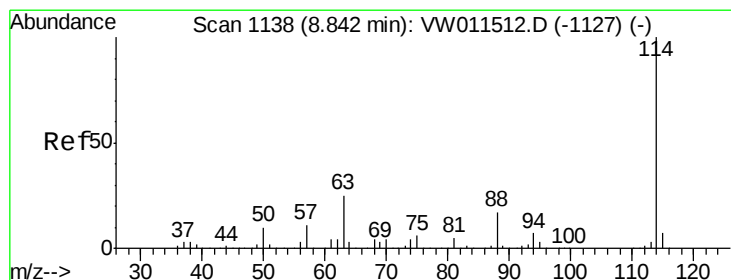
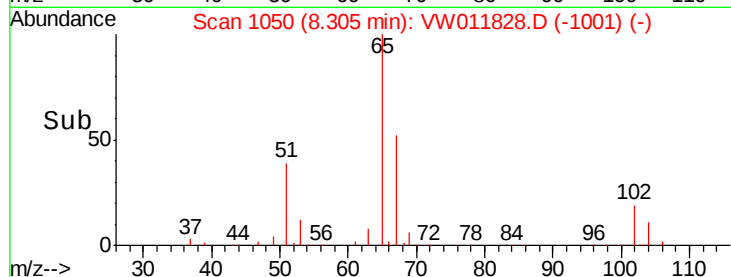
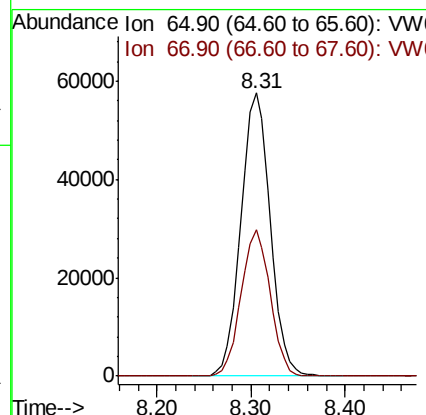
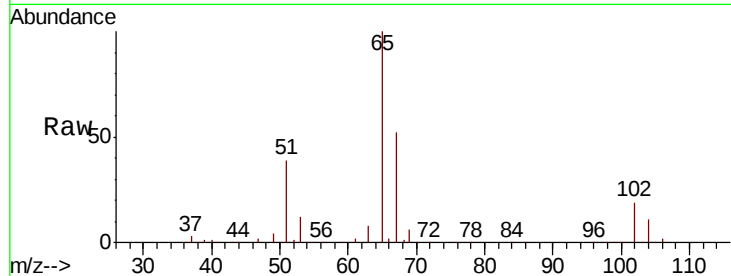




#33
 1,2-Dichloroethane-d4
 Concen: 60.670 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW011828.D
 Acq: 09 Aug 2019 23:00

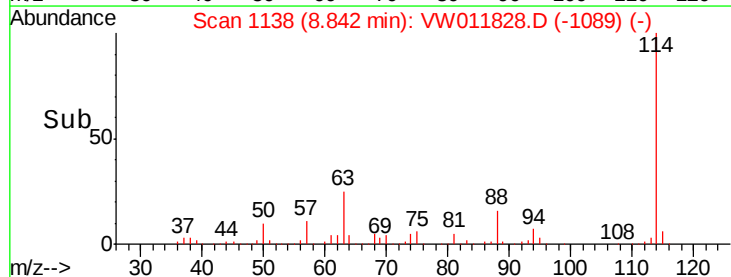
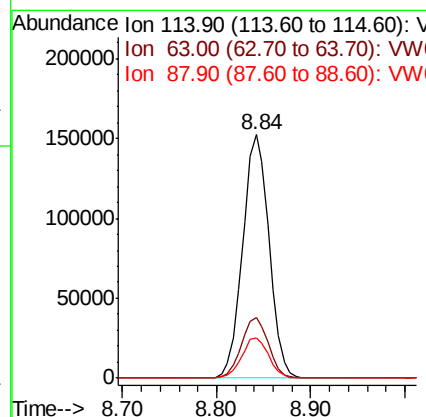
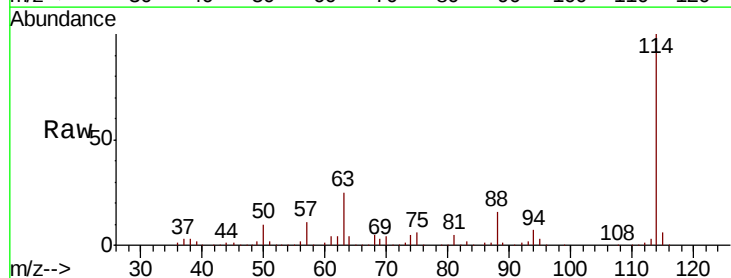
Instrument :
 MSVOA_W
 ClientSampleId :
 1S-Q(0)

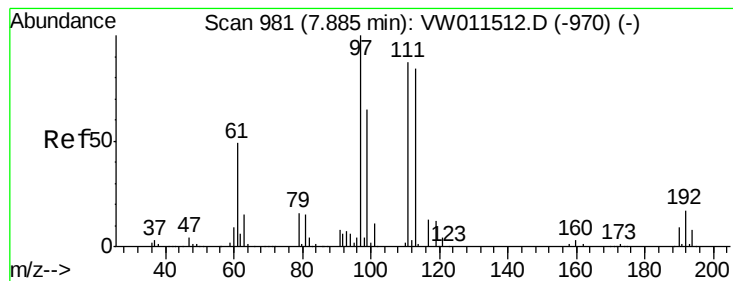
Tgt Ion: 65 Resp: 125330
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011828.D
 Acq: 09 Aug 2019 23:00

Tgt Ion: 114 Resp: 297550
 Ion Ratio Lower Upper
 114 100
 63 24.6 0.0 49.2
 88 16.5 0.0 33.8





#35

Dibromofluoromethane

Concen: 56.293 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW011828.D

Acq: 09 Aug 2019 23:00

Instrument :

MSVOA_W

ClientSampled :

1S-Q(0)

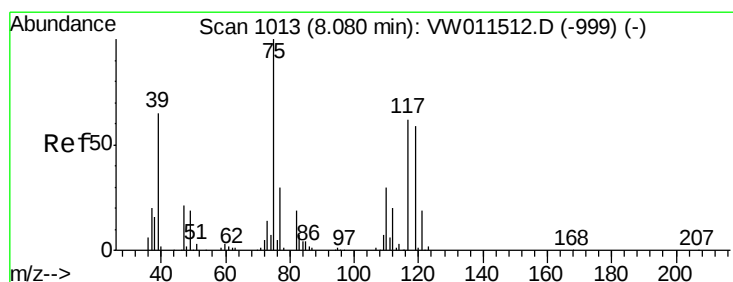
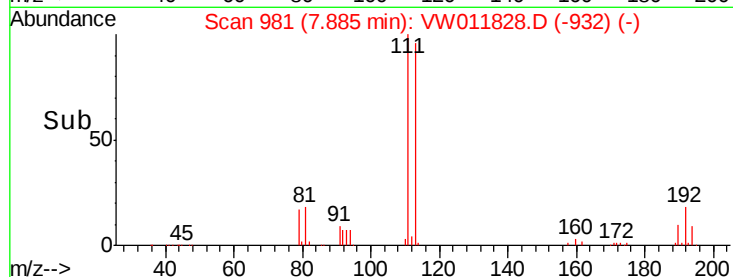
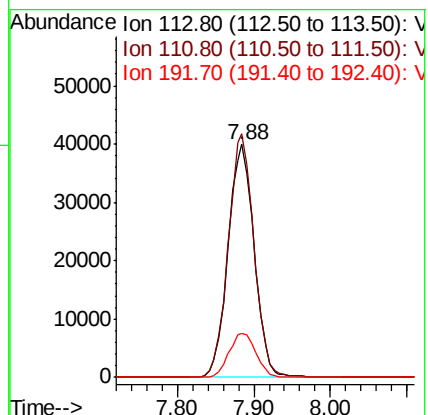
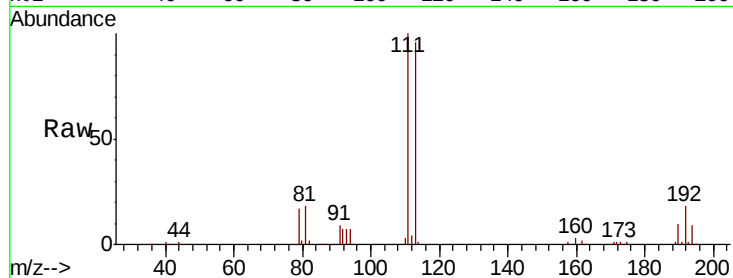
Tgt Ion:113 Resp: 93970

Ion Ratio Lower Upper

113 100

111 103.1 82.7 124.1

192 19.6 16.1 24.1



#36

1,1-Dichloropropene

Concen: 5.165 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW011828.D

Acq: 09 Aug 2019 23:00

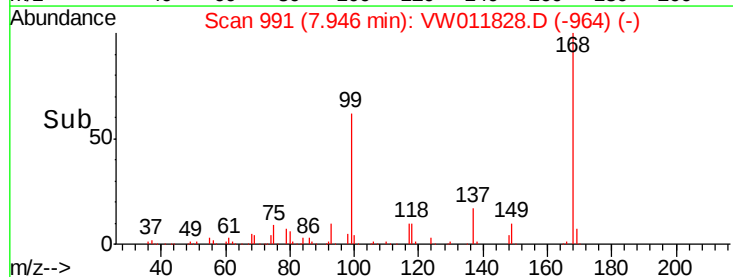
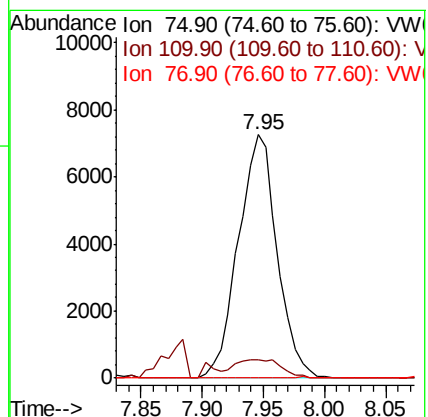
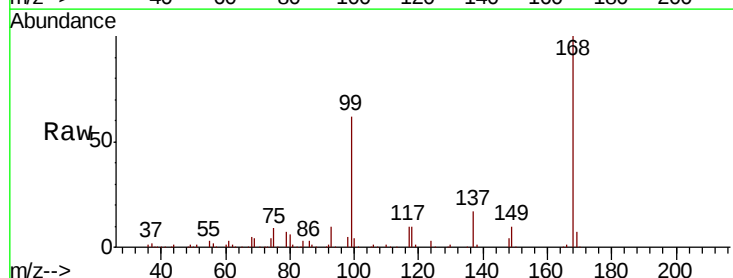
Tgt Ion: 75 Resp: 15980

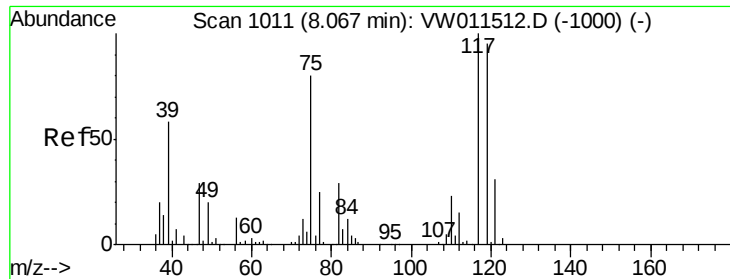
Ion Ratio Lower Upper

75 100

110 9.3 15.6 46.8#

77 0.0 24.3 36.5#





#38

Carbon Tetrachloride

Concen: 6.914 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW011828.D

Acq: 09 Aug 2019 23:00

Instrument :

MSVOA_W

ClientSampled :

1S-Q(0)

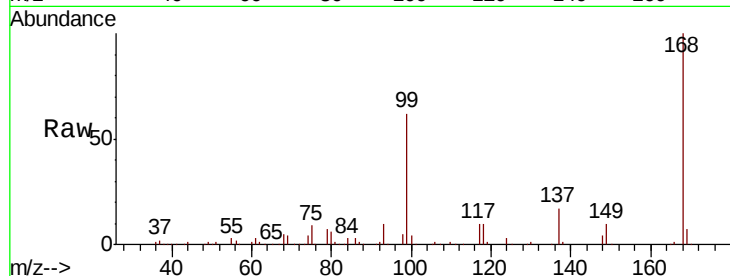
Tgt Ion: 117 Resp: 18312

Ion Ratio Lower Upper

117 100

119 5.9 75.8 113.6#

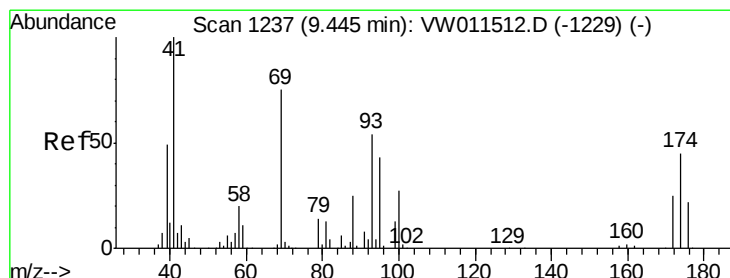
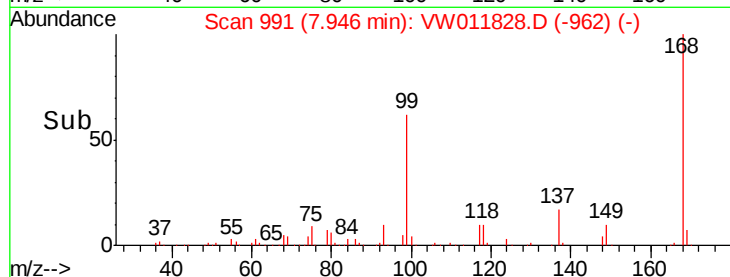
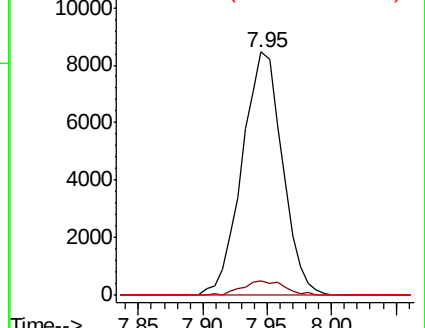
121 0.0 24.7 37.1#



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



#49

1,4-Dioxane

Concen: 1.305 ug/l

RT: 9.71 min Scan# 1280

Delta R.T. 0.26 min

Lab File: VW011828.D

Acq: 09 Aug 2019 23:00

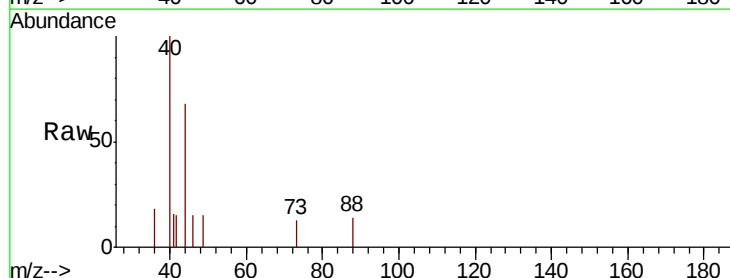
Tgt Ion: 88 Resp: 20

Ion Ratio Lower Upper

88 100

43 0.0 34.0 51.0#

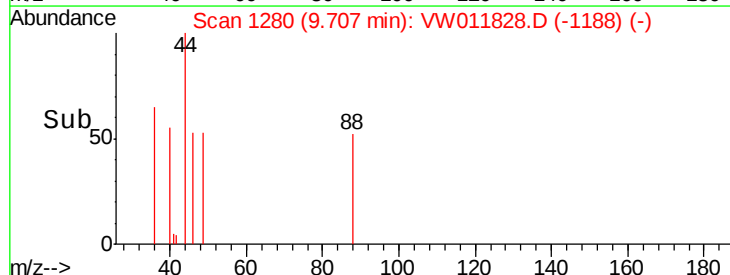
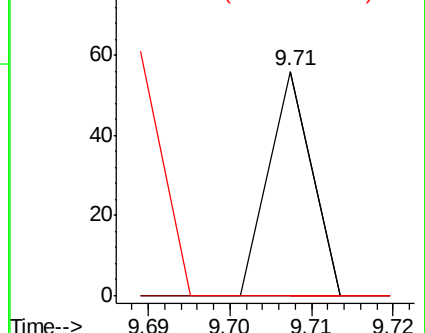
58 0.0 69.7 104.5#

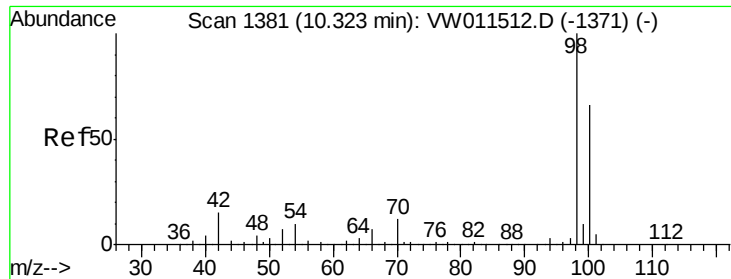


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#50

Toluene-d8

Concen: 53.632 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW011828.D

Acq: 09 Aug 2019 23:00

Instrument :

MSVOA_W

ClientSampleId :

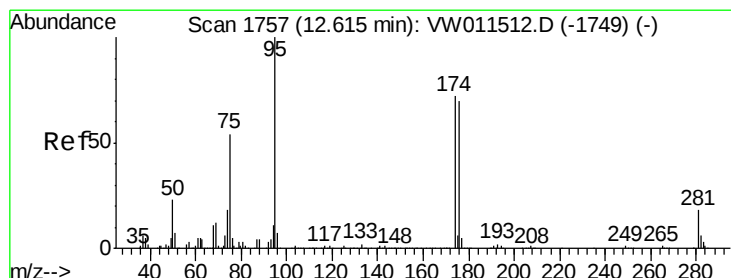
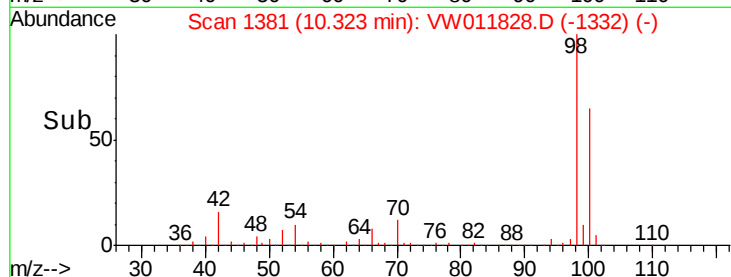
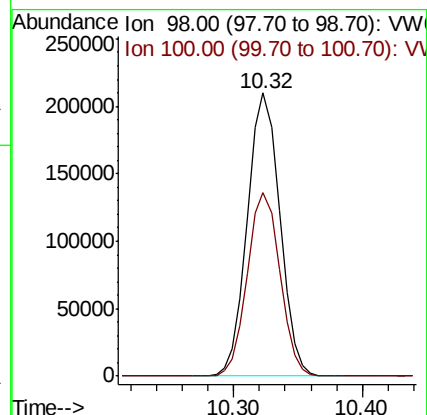
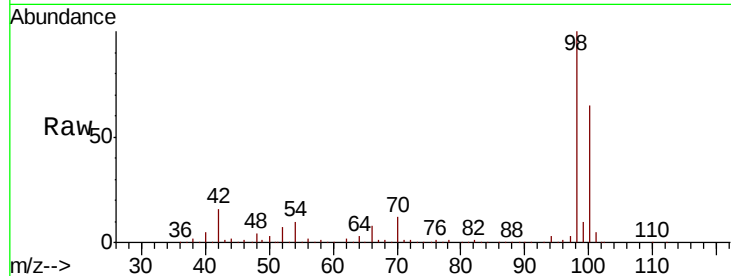
1S-Q(0)

Tgt Ion: 98 Resp: 366552

Ion Ratio Lower Upper

98 100

100 65.0 52.7 79.1



#62

4-Bromofluorobenzene

Concen: 47.110 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW011828.D

Acq: 09 Aug 2019 23:00

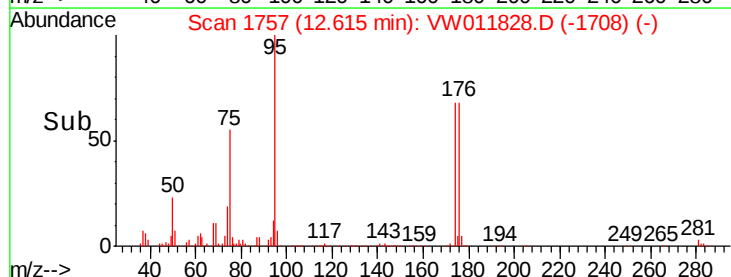
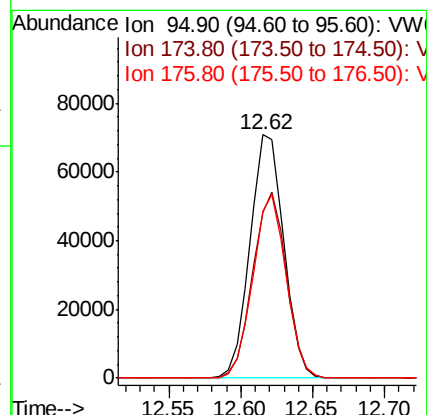
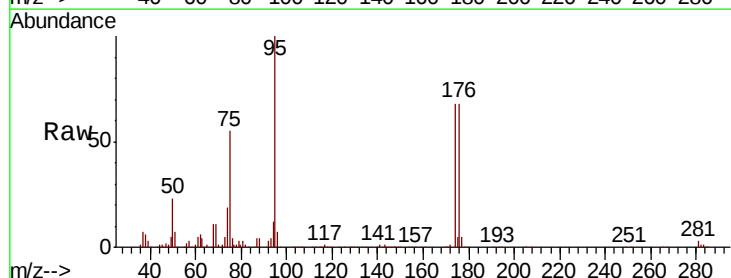
Tgt Ion: 95 Resp: 114793

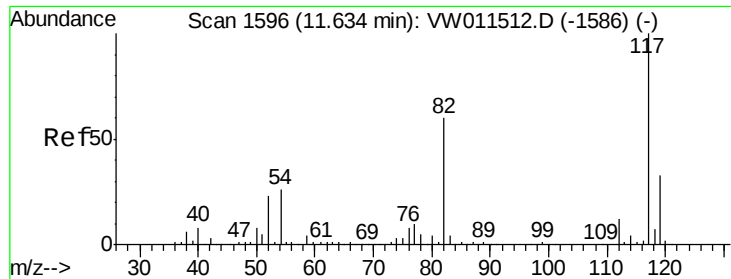
Ion Ratio Lower Upper

95 100

174 75.7 0.0 150.2

176 73.8 0.0 144.4

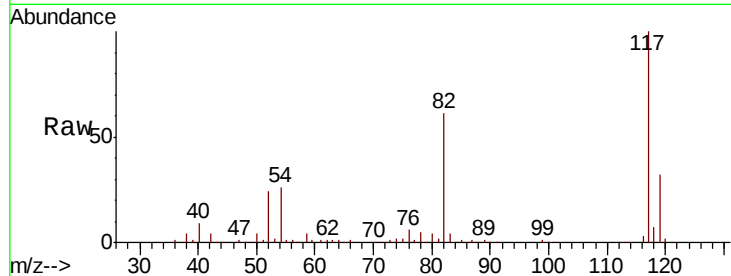




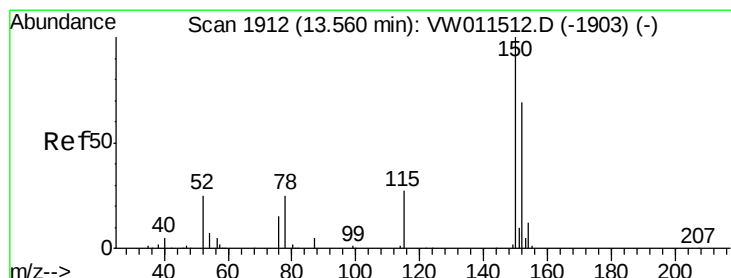
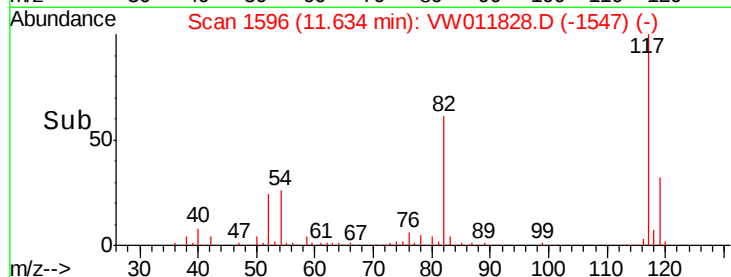
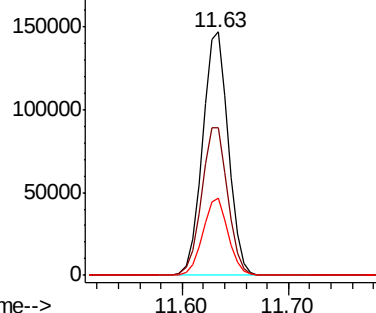
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW011828.D
Acq: 09 Aug 2019 23:00

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

Tgt Ion:117 Resp: 249095
Ion Ratio Lower Upper
117 100
82 60.8 47.9 71.9
119 31.8 26.2 39.2

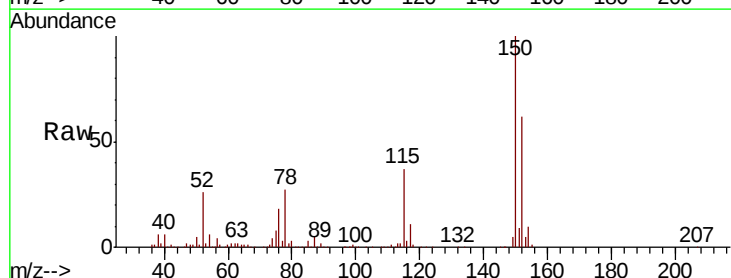


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

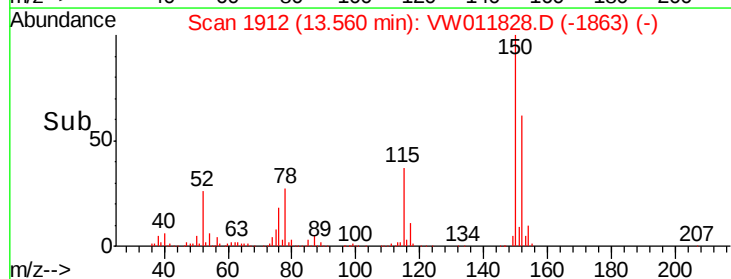
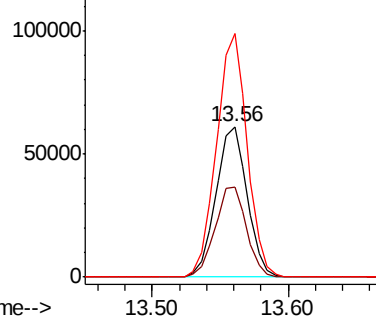


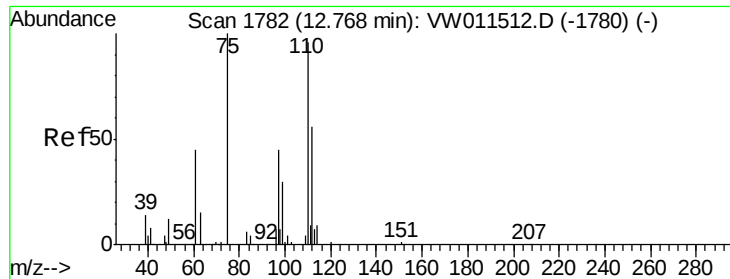
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW011828.D
Acq: 09 Aug 2019 23:00

Tgt Ion:152 Resp: 98190
Ion Ratio Lower Upper
152 100
115 60.6 30.5 91.5
150 159.4 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

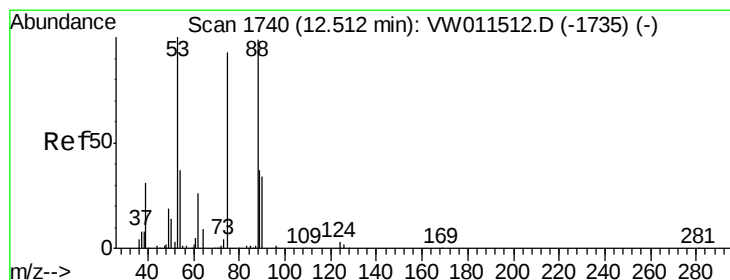
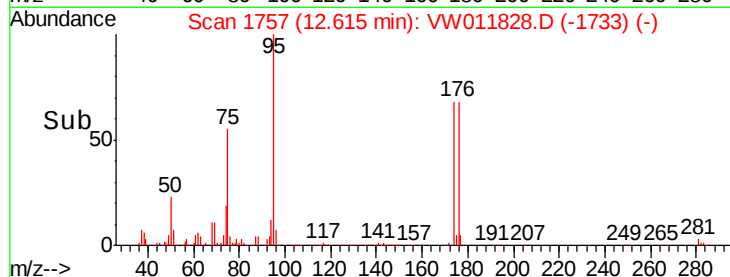
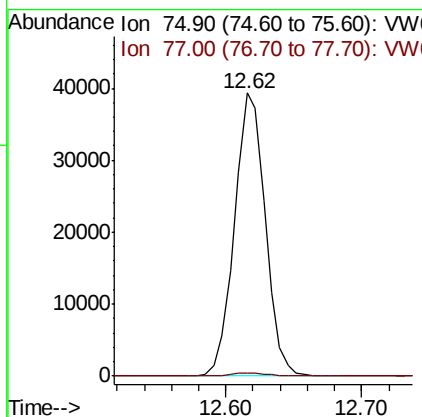
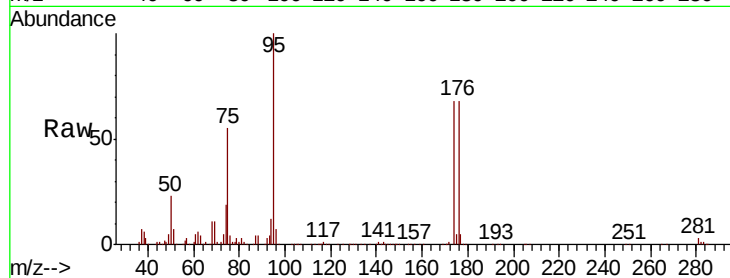




#76
 1,2,3-Trichloropropane
 Concen: 59.617 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW011828.D
 Acq: 09 Aug 2019 23:00

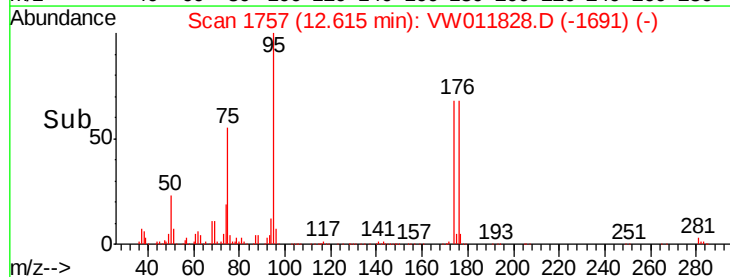
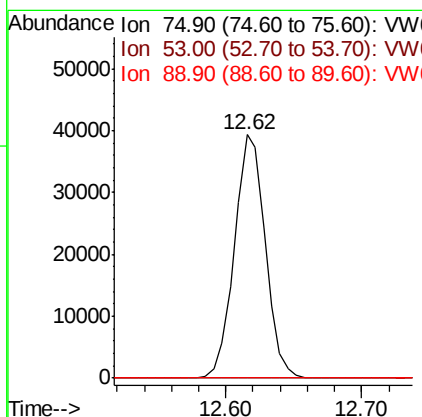
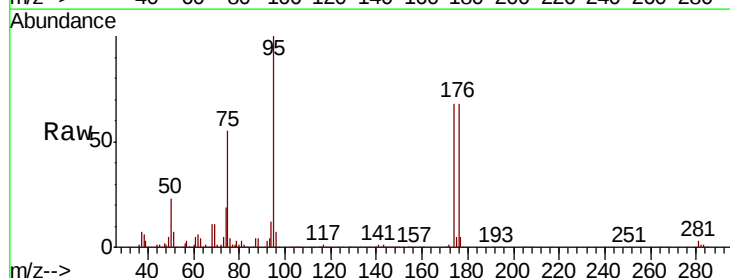
Instrument :
 MSVOA_W
 ClientSampleId :
 1S-Q(0)

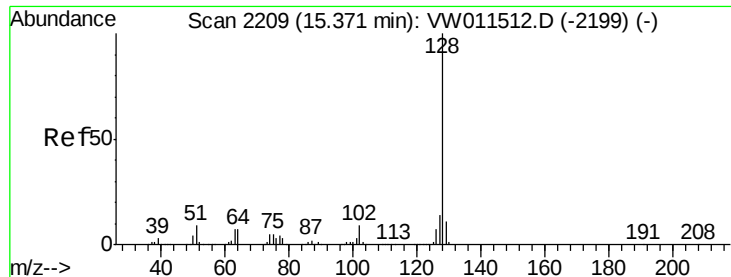
Tgt Ion: 75 Resp: 61940
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 137.397 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW011828.D
 Acq: 09 Aug 2019 23:00

Tgt Ion: 75 Resp: 61940
 Ion Ratio Lower Upper
 75 100
 53 0.0 88.0 132.0#
 89 0.1 35.3 52.9#

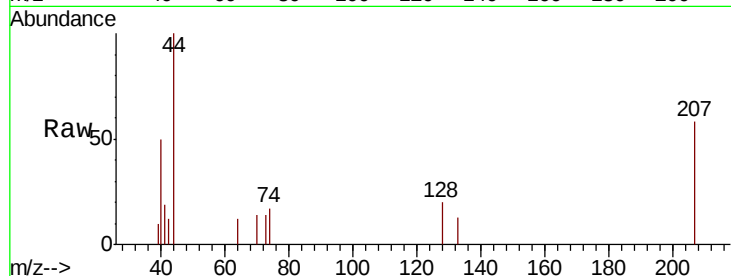




#95
Naphthalene
Concen: 2.085 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW011828.D
Acq: 09 Aug 2019 23:00

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

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

