

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081219\
 Data File : VW011824.D
 Acq On : 09 Aug 2019 21:17
 Operator : SY/VA
 Sample : K4227-08
 Misc : 6.21G/5ML/MSVOA_W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

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

Quant Time: Aug 11 01:29:45 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	201819	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	335595	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	279593	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	108245	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	135558	58.49	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	116.98%	
35) Dibromofluoromethane	7.88	113	104632	55.57	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	111.14%	
50) Toluene-d8	10.32	98	413896	53.69	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	107.38%	
62) 4-Bromofluorobenzene	12.62	95	127852	46.52	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	93.04%	

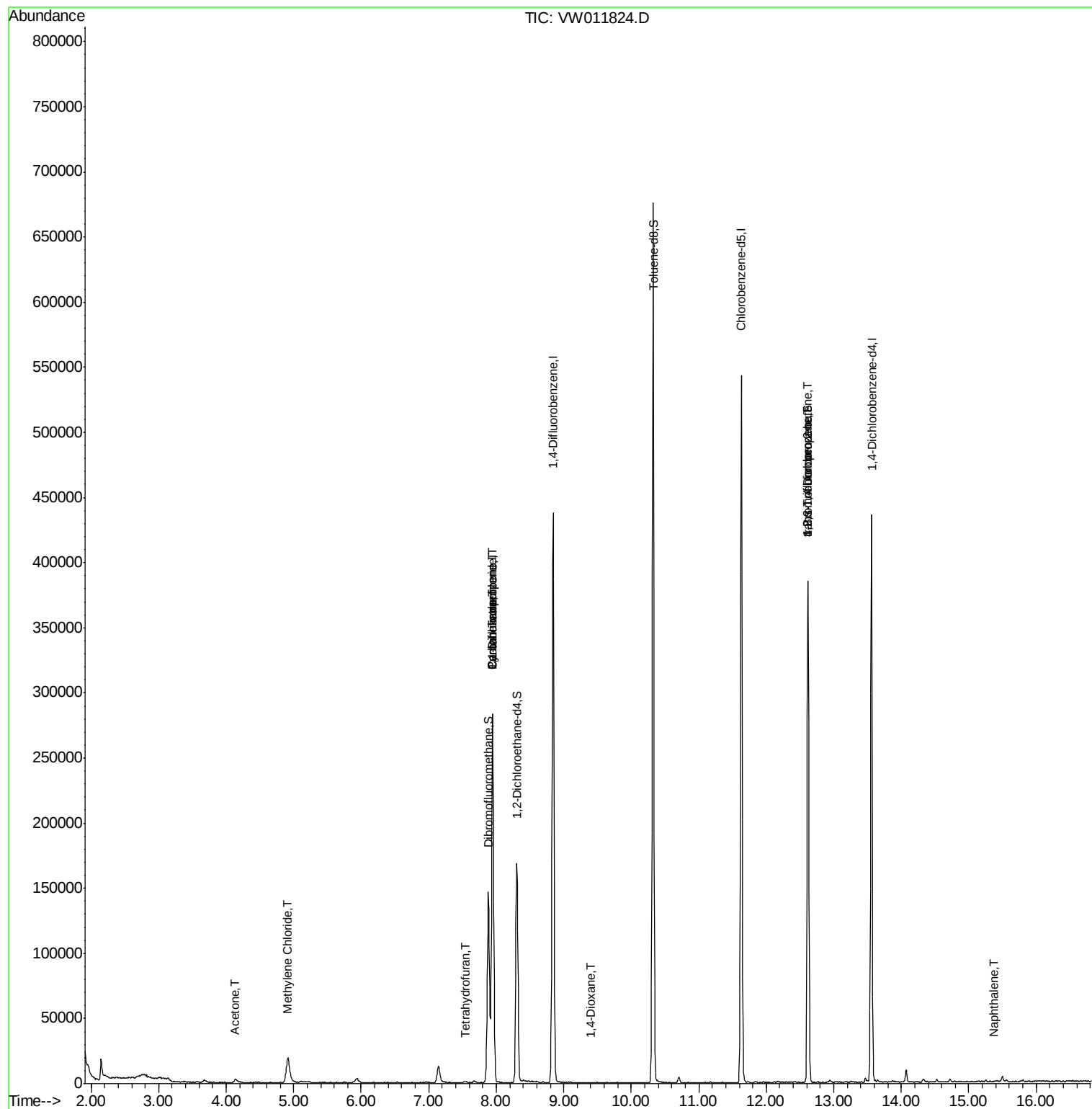
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.17	59	231	Below Cal	#	72
16) Acetone	4.14	43	5317	7.213	ug/l	99
20) Methylene Chloride	4.92	84	14845	5.839	ug/l	90
29) Tetrahydrofuran	7.54	42	682	1.237	ug/l #	76
31) Cyclohexane	7.94	56	5378	1.241	ug/l #	20
36) 1,1-Dichloropropene	7.95	75	17931	5.138	ug/l #	52
38) Carbon Tetrachloride	7.95	117	21050	7.046	ug/l #	16
49) 1,4-Dioxane	9.40	88	38	2.199	ug/l #	15
76) 1,2,3-Trichloropropane	12.62	75	70307	61.384	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	70307	141.470	ug/l #	6
95) Naphthalene	15.37	128	404	2.157	ug/l #	69

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

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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: VW011824.D

Acq: 09 Aug 2019 21:17

Instrument :

MSVOA_W

ClientSampleId :

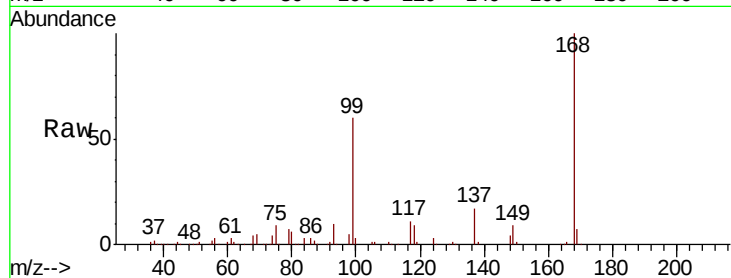
1S-K-(0)

Tgt Ion: 168 Resp: 201819

Ion Ratio Lower Upper

168 100

99 60.5 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

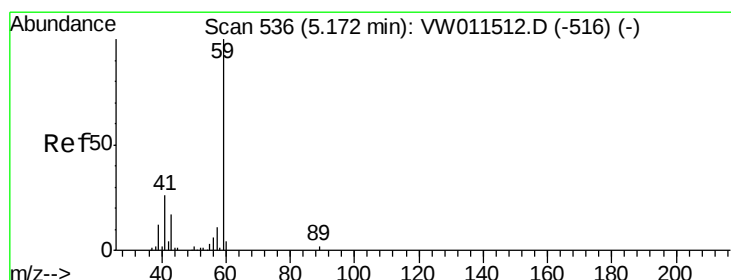
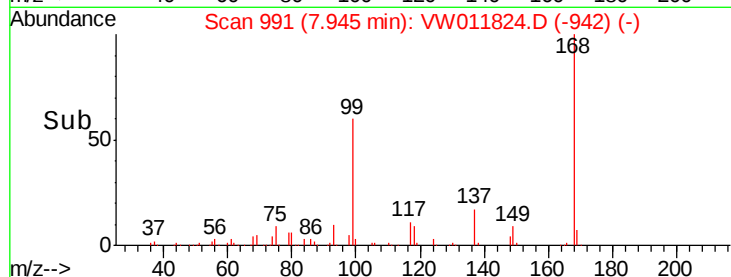
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.17 min Scan# 535

Delta R.T. -0.01 min

Lab File: VW011824.D

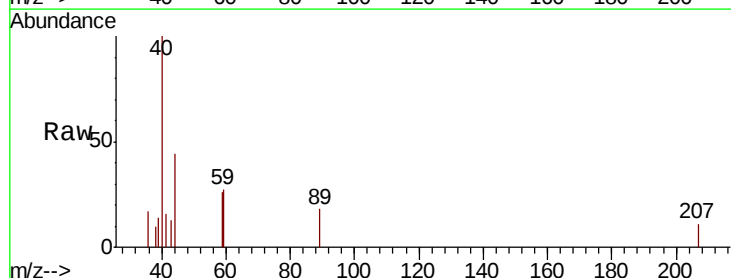
Acq: 09 Aug 2019 21:17

Tgt Ion: 59 Resp: 231

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

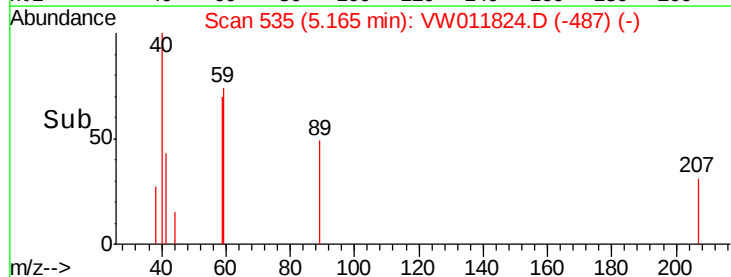
300

200

100

0

Time--> 5.15 5.16 5.17 5.18 5.19

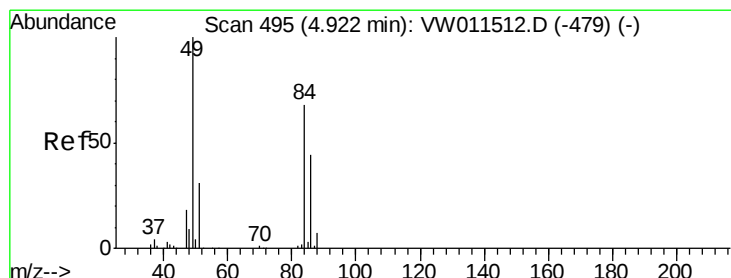
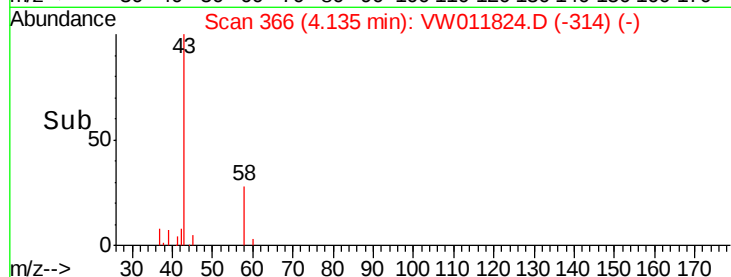
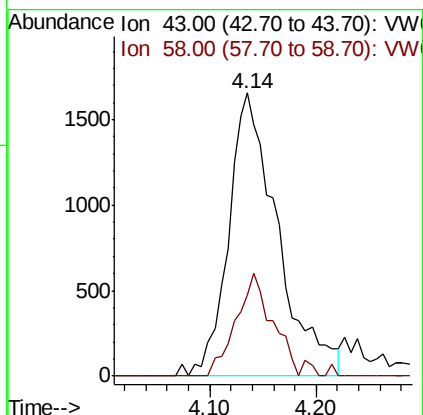
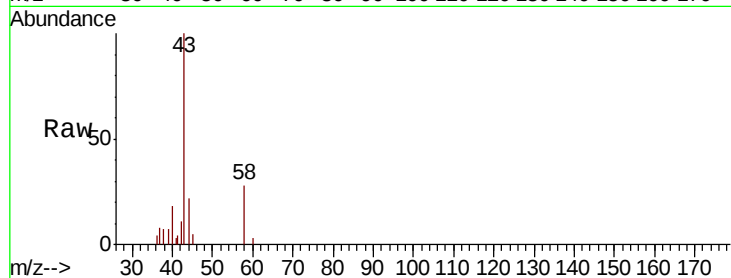




#16
Acetone
Concen: 7.213 ug/l
RT: 4.14 min Scan# 366
Delta R.T. 0.02 min
Lab File: VW011824.D
Acq: 09 Aug 2019 21:17

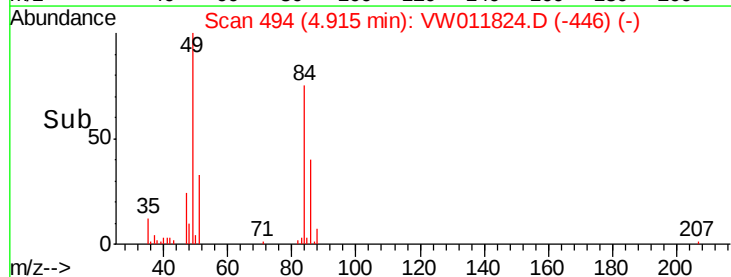
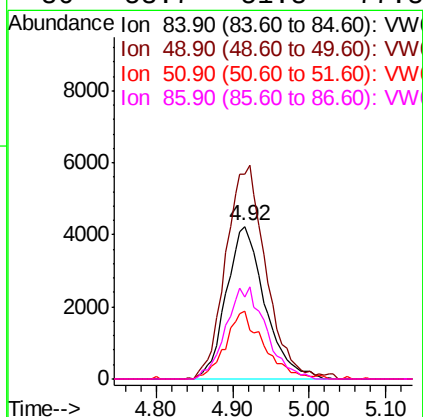
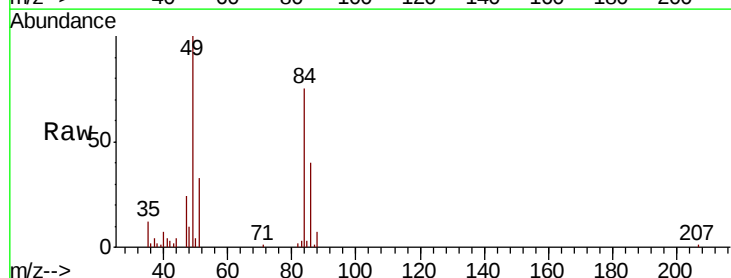
Instrument :
MSVOA_W
ClientSampleId :
1S-K-(0)

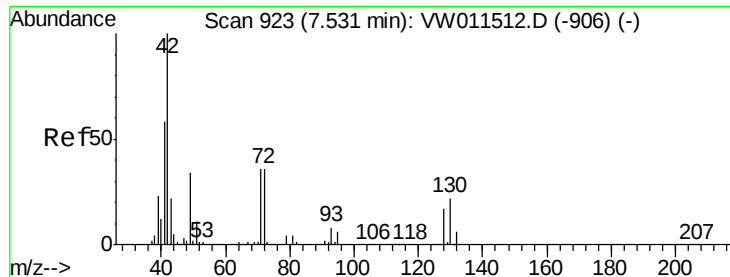
Tgt Ion: 43 Resp: 5317
Ion Ratio Lower Upper
43 100
58 28.5 22.3 33.5



#20
Methylene Chloride
Concen: 5.839 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW011824.D
Acq: 09 Aug 2019 21:17

Tgt Ion: 84 Resp: 14845
Ion Ratio Lower Upper
84 100
49 133.6 117.8 176.6
51 44.2 37.0 55.4
86 53.7 51.8 77.8





#29

Tetrahydrofuran

Concen: 1.237 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW011824.D

Acq: 09 Aug 2019 21:17

Instrument :

MSVOA_W

ClientSampleId :

1S-K-(0)

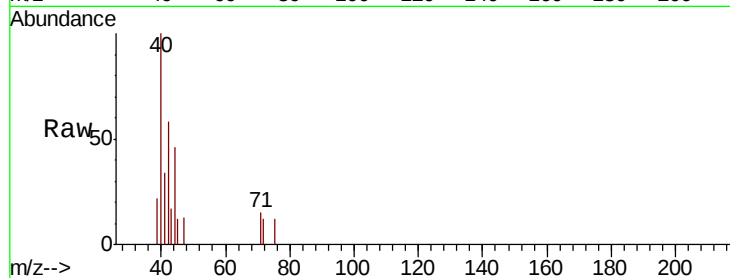
Tgt Ion: 42 Resp: 682

Ion Ratio Lower Upper

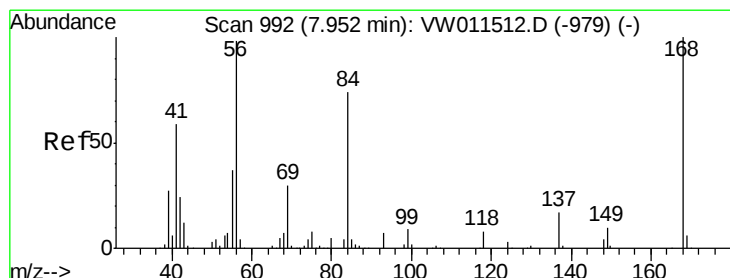
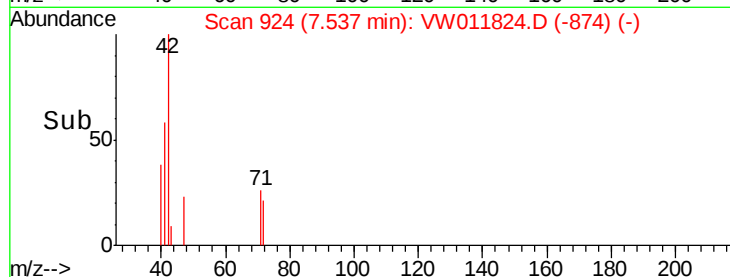
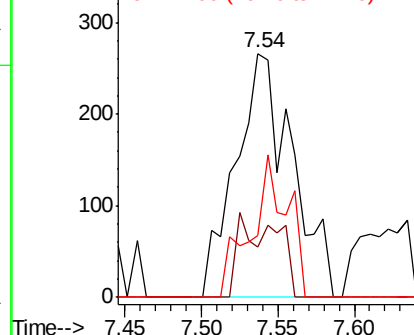
42 100

72 12.2 27.1 40.7#

71 37.8 26.2 39.4



Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW



#31

Cyclohexane

Concen: 1.241 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW011824.D

Acq: 09 Aug 2019 21:17

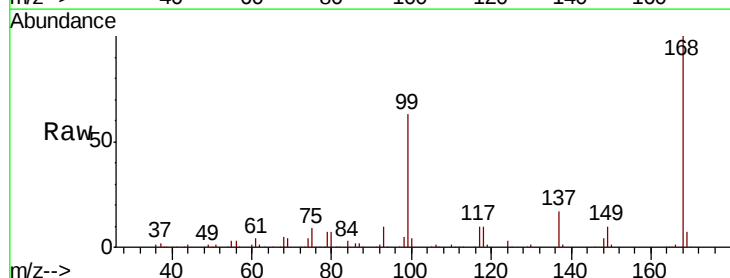
Tgt Ion: 56 Resp: 5378

Ion Ratio Lower Upper

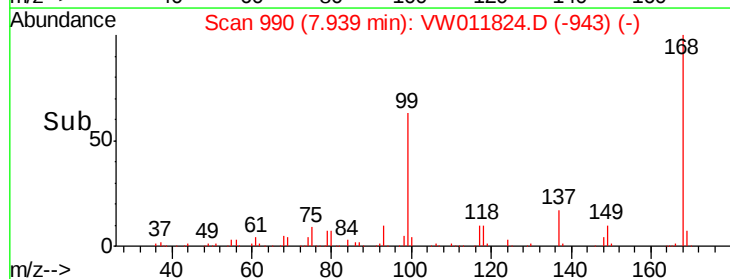
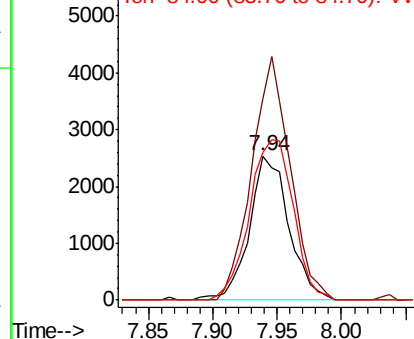
56 100

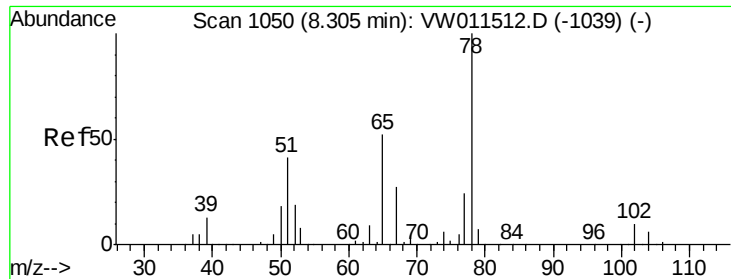
69 140.0 24.3 36.5#

84 102.8 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

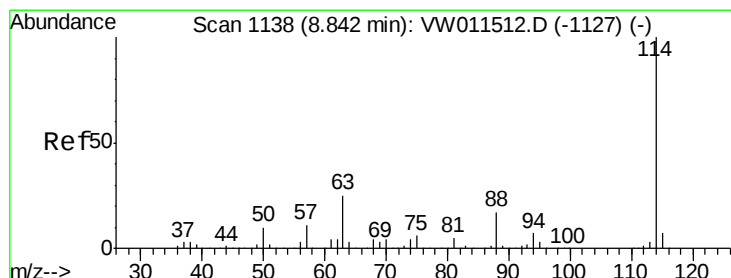
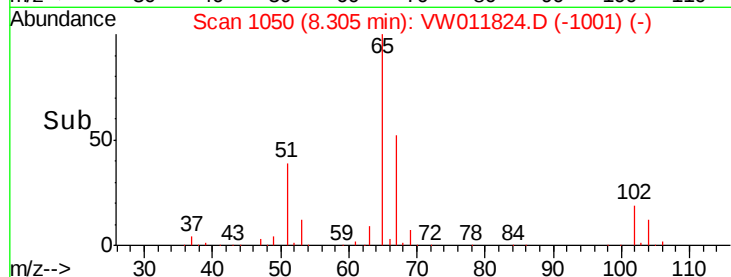
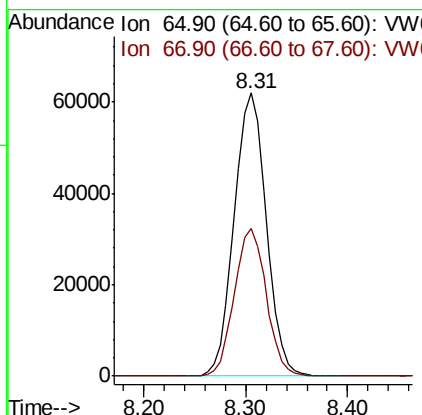
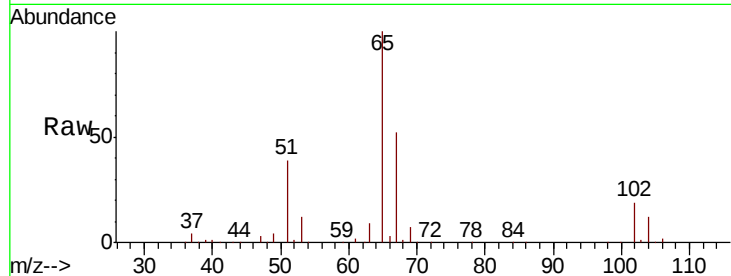




#33
 1,2-Dichloroethane-d4
 Concen: 58.495 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW011824.D
 Acq: 09 Aug 2019 21:17

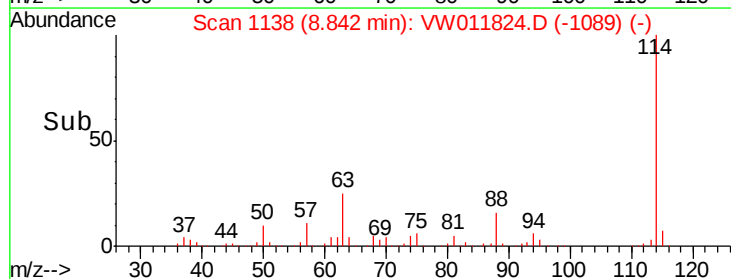
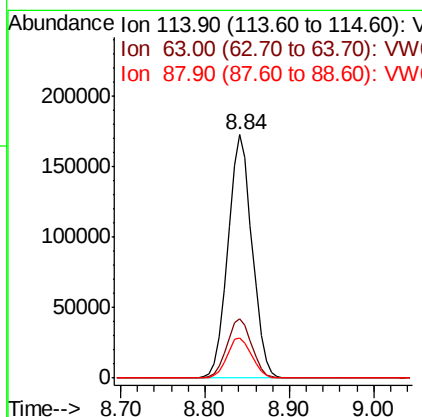
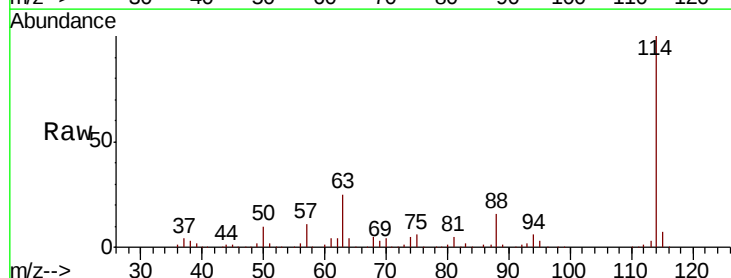
Instrument :
 MSVOA_W
 ClientSampleId :
 1S-K-(0)

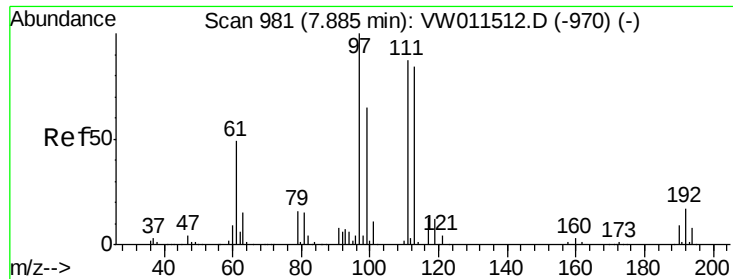
Tgt Ion: 65 Resp: 135558
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011824.D
 Acq: 09 Aug 2019 21:17

Tgt Ion: 114 Resp: 335595
 Ion Ratio Lower Upper
 114 100
 63 24.6 0.0 49.2
 88 16.3 0.0 33.8

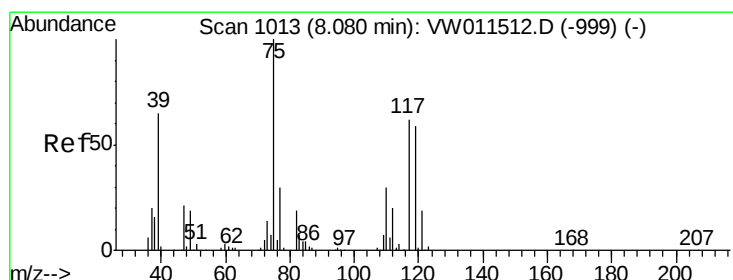
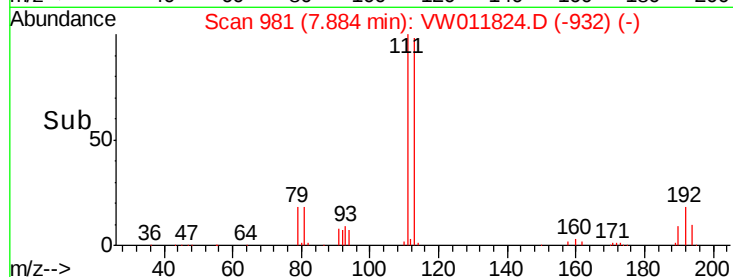
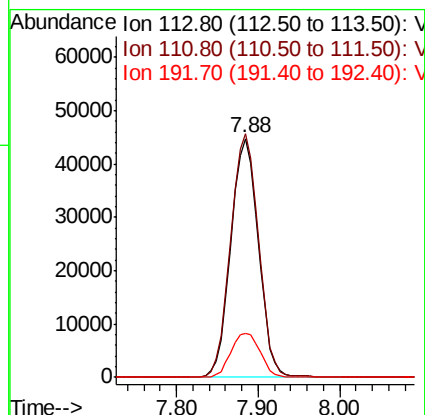
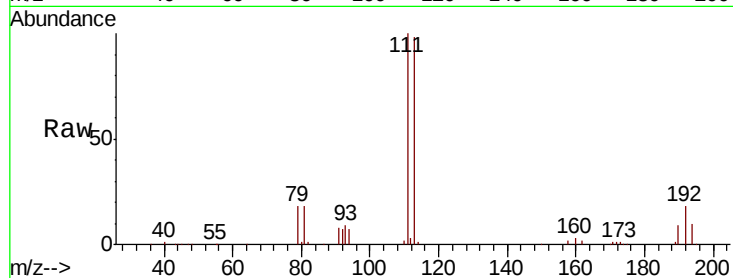




#35
 Dibromofluoromethane
 Concen: 55.574 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW011824.D
 Acq: 09 Aug 2019 21:17

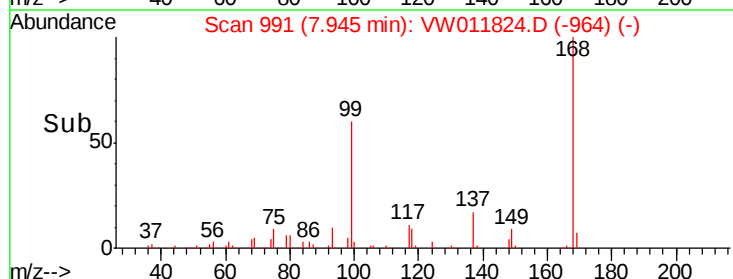
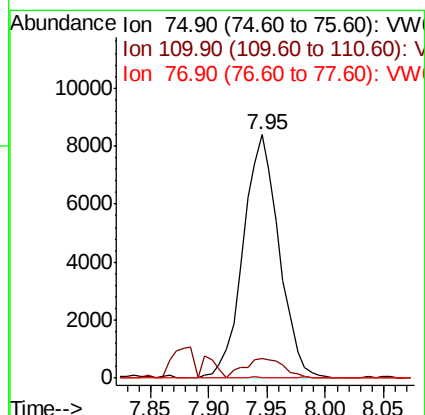
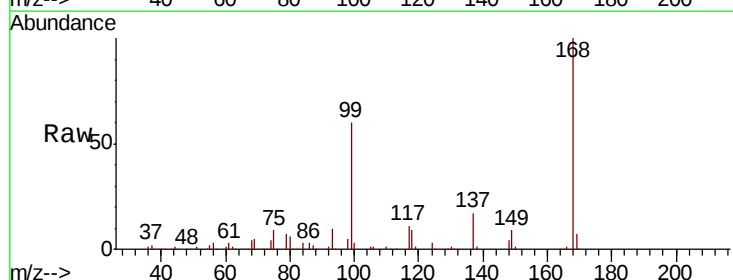
Instrument :
 MSVOA_W
 ClientSampleId :
 1S-K-(0)

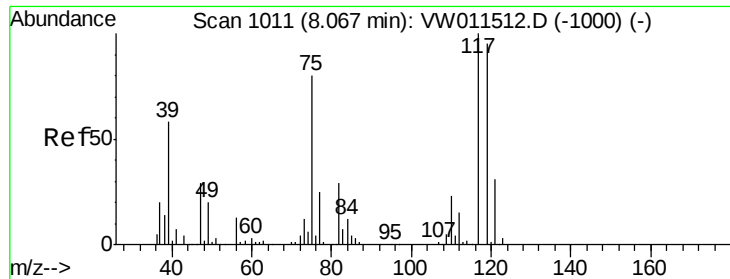
Tgt Ion:113 Resp: 104632
 Ion Ratio Lower Upper
 113 100
 111 103.1 82.7 124.1
 192 19.5 16.1 24.1



#36
 1,1-Dichloropropene
 Concen: 5.138 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW011824.D
 Acq: 09 Aug 2019 21:17

Tgt Ion: 75 Resp: 17931
 Ion Ratio Lower Upper
 75 100
 110 9.0 15.6 46.8#
 77 0.1 24.3 36.5#





#38

Carbon Tetrachloride

Concen: 7.046 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW011824.D

Acq: 09 Aug 2019 21:17

Instrument :

MSVOA_W

ClientSampleId :

1S-K-(0)

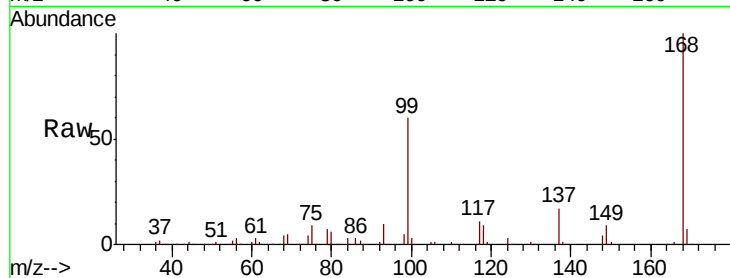
Tgt Ion:117 Resp: 21050

Ion Ratio Lower Upper

117 100

119 5.1 75.8 113.6#

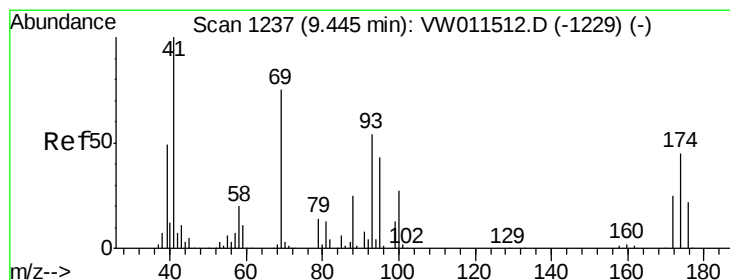
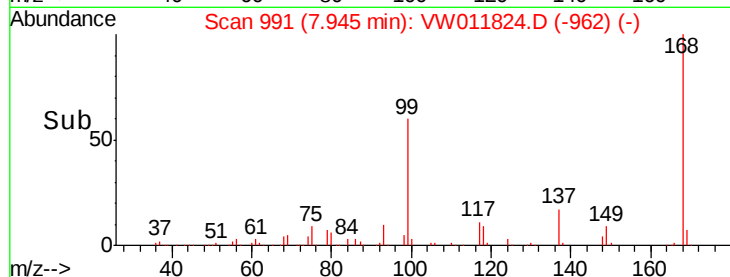
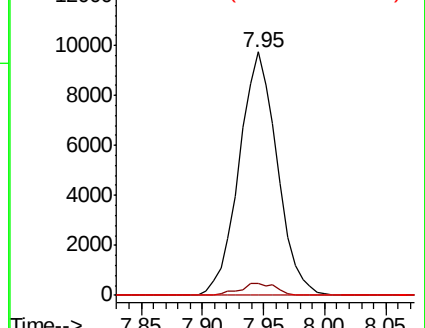
121 0.0 24.7 37.1#



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: 2.199 ug/l

RT: 9.40 min Scan# 1229

Delta R.T. -0.05 min

Lab File: VW011824.D

Acq: 09 Aug 2019 21:17

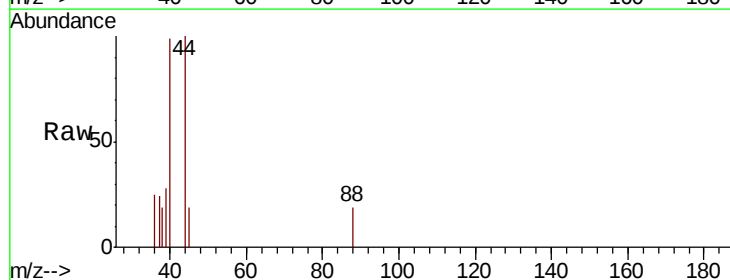
Tgt Ion: 88 Resp: 38

Ion Ratio Lower Upper

88 100

43 0.0 34.0 51.0#

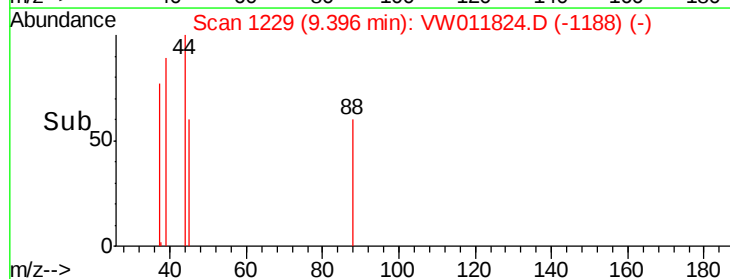
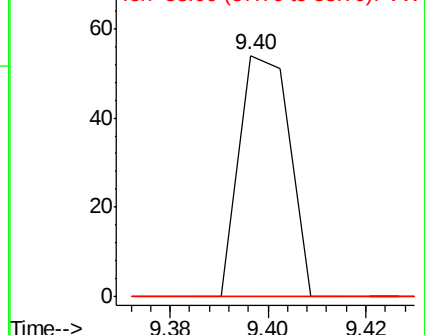
58 0.0 69.7 104.5#

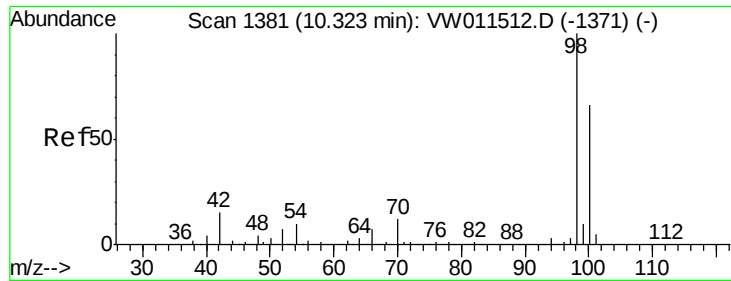


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#50

Toluene-d8

Concen: 53.693 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW011824.D

Acq: 09 Aug 2019 21:17

Instrument :

MSVOA_W

ClientSampled :

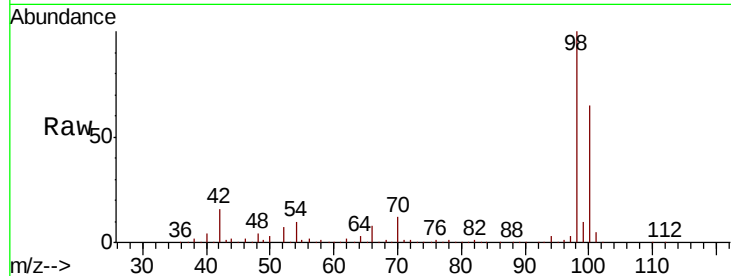
1S-K(0)

Tgt Ion: 98 Resp: 413896

Ion Ratio Lower Upper

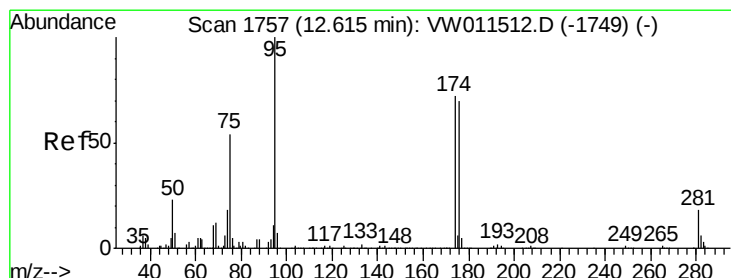
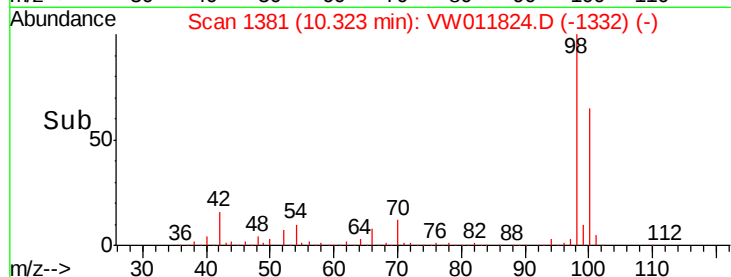
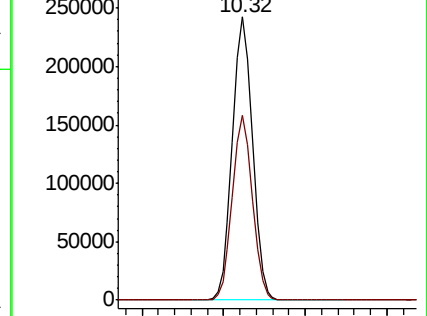
98 100

100 64.8 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: 46.521 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW011824.D

Acq: 09 Aug 2019 21:17

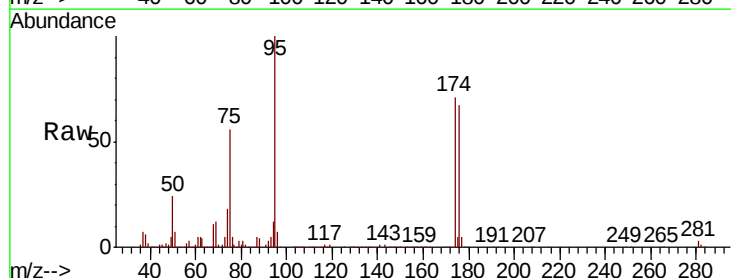
Tgt Ion: 95 Resp: 127852

Ion Ratio Lower Upper

95 100

174 75.6 0.0 150.2

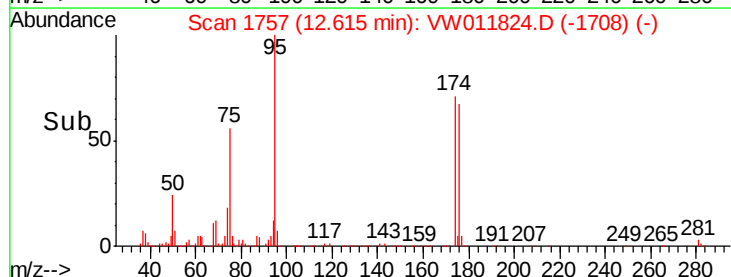
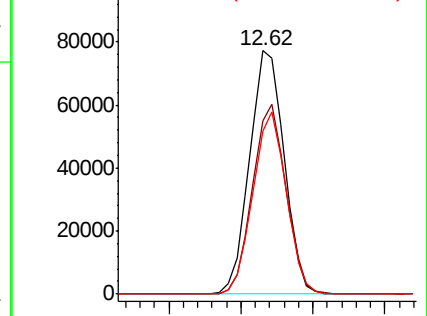
176 72.2 0.0 144.4

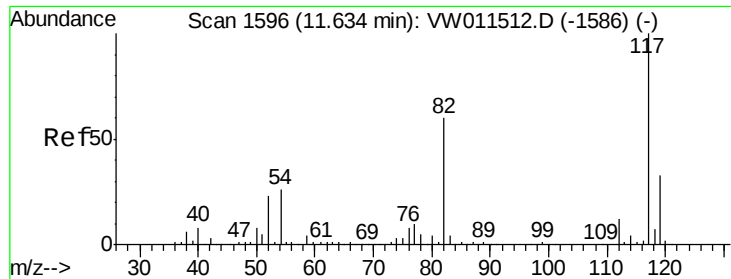


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

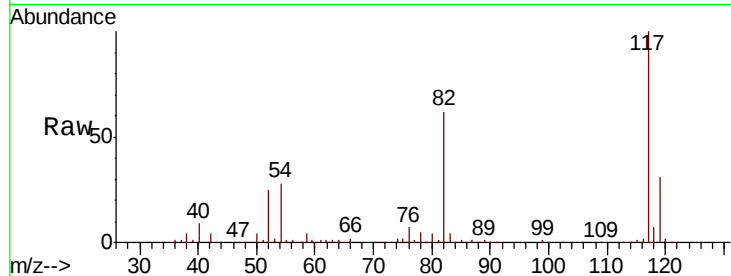




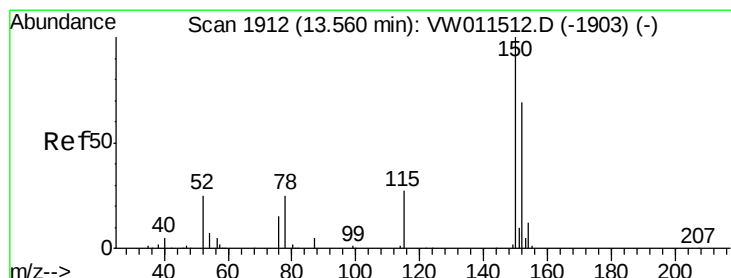
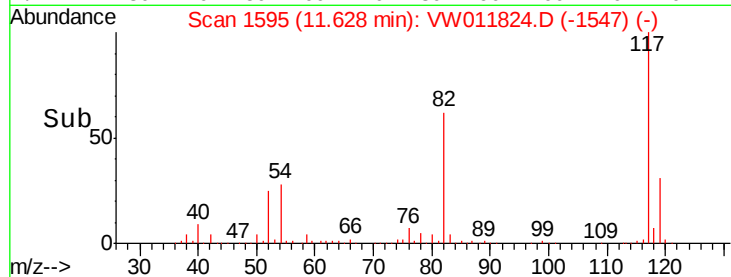
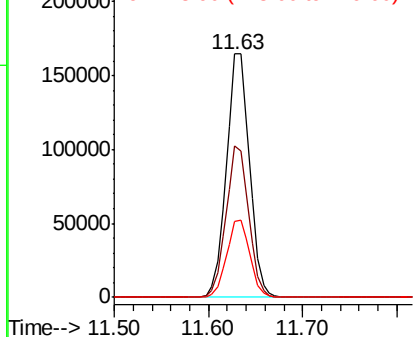
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW011824.D
Acq: 09 Aug 2019 21:17

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

Tgt Ion	Ratio	Lower	Upper
117	100		
82	62.0	47.9	71.9
119	31.0	26.2	39.2

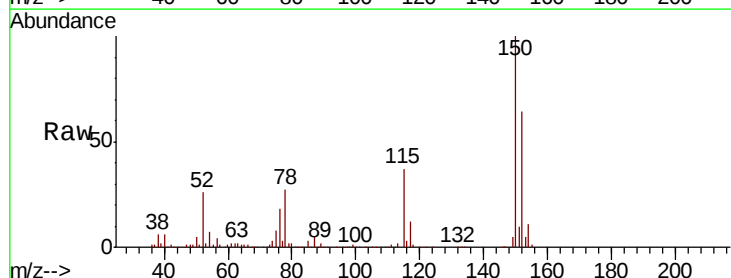


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

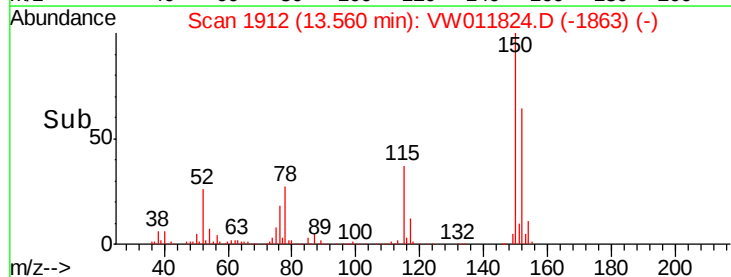
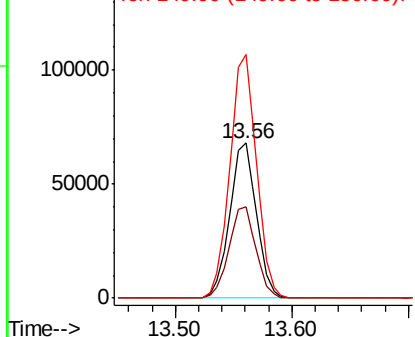


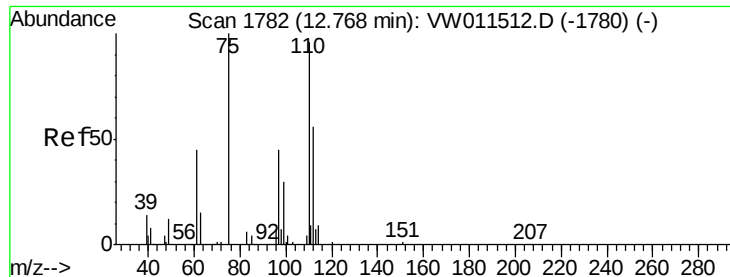
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW011824.D
Acq: 09 Aug 2019 21:17

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.7	30.5	91.5
150	157.4	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

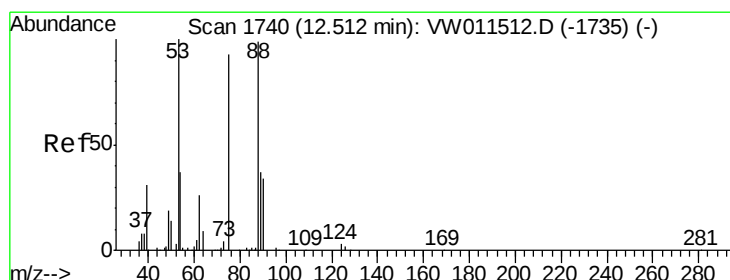
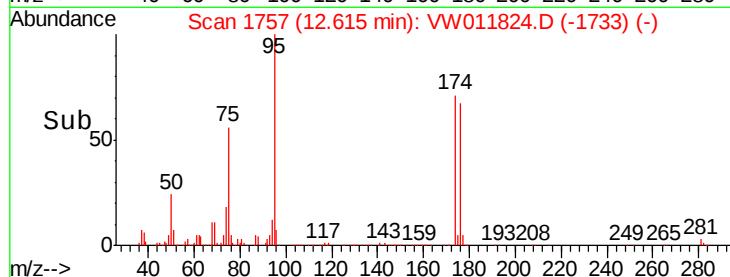
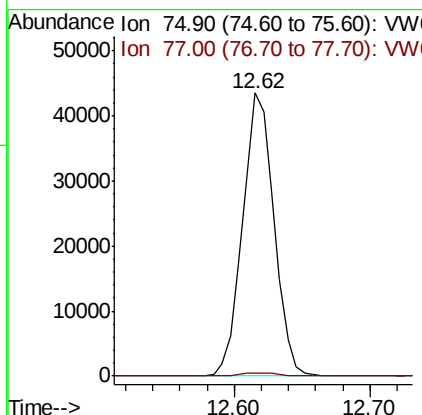
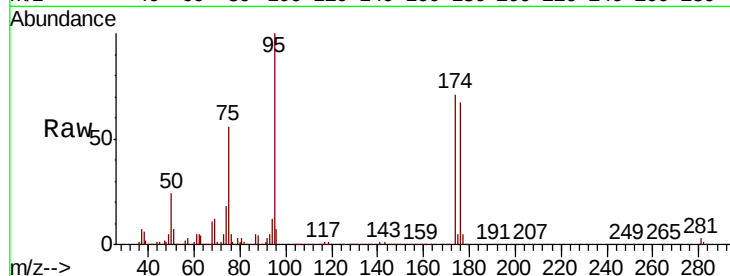




#76
 1,2,3-Trichloropropane
 Concen: 61.384 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW011824.D
 Acq: 09 Aug 2019 21:17

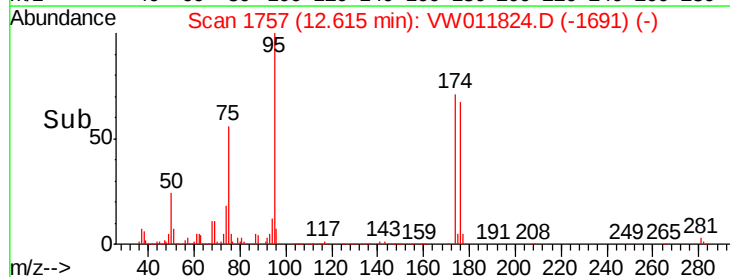
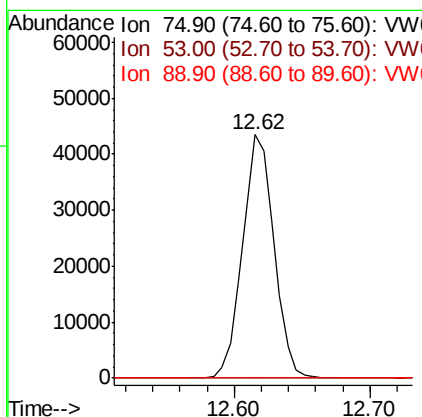
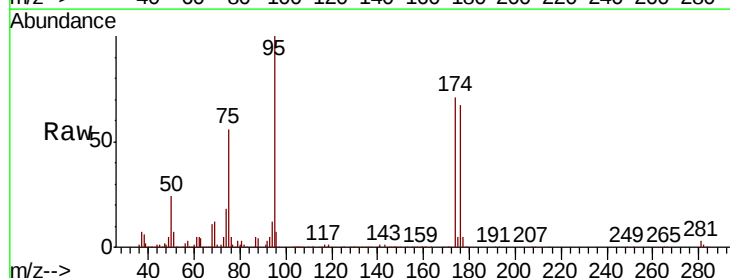
Instrument :
 MSVOA_W
 ClientSampleId :
 1S-K(0)

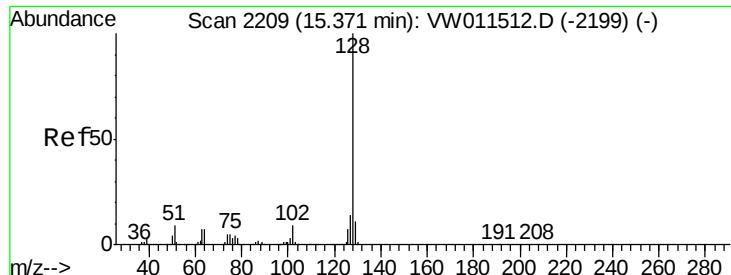
Tgt Ion: 75 Resp: 70307
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 141.470 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW011824.D
 Acq: 09 Aug 2019 21:17

Tgt Ion: 75 Resp: 70307
 Ion Ratio Lower Upper
 75 100
 53 0.1 88.0 132.0#
 89 0.0 35.3 52.9#





#95

Naphthalene

Concen: 2.157 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW011824.D

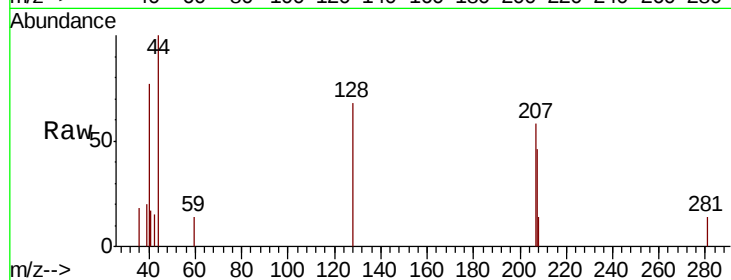
Acq: 09 Aug 2019 21:17

Instrument :

MSVOA_W

ClientSampleId :

1S-K-(0)



Tgt Ion:	128	Resp:	404
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	16.0#
129	0.0	8.6	13.0#

