

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080319\
 Data File : VW011639.D
 Acq On : 03 Aug 2019 00:51
 Operator : SY/VA
 Sample : K4131-03
 Misc : 5.68G/5ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 1S-D2-(0-1)

Quant Time: Aug 04 00:07:31 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	260332	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	434095	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	367455	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	140321	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	165928	55.51	ug/l	0.00
Spiked Amount			Recovery	=	111.02%	
35) Dibromofluoromethane	7.88	113	129281	53.09	ug/l	0.00
Spiked Amount			Recovery	=	106.18%	
50) Toluene-d8	10.32	98	541169	54.27	ug/l	0.00
Spiked Amount			Recovery	=	108.54%	
62) 4-Bromofluorobenzene	12.62	95	173611	48.84	ug/l	0.00
Spiked Amount			Recovery	=	97.68%	

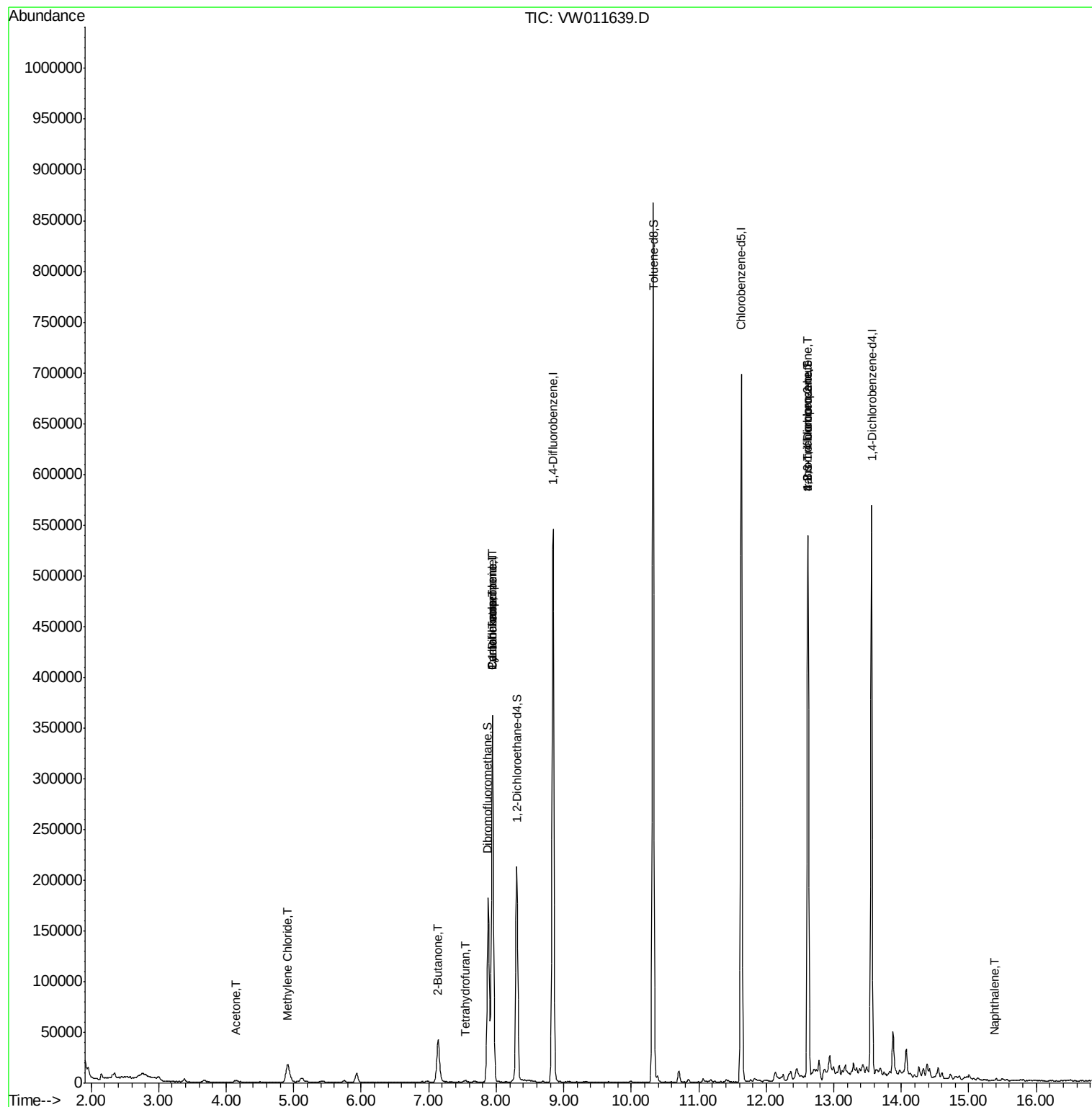
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.12	59	2324	Below Cal	#	76
16) Acetone	4.14	43	4121	4.334	ug/l	90
20) Methylene Chloride	4.92	84	12844	3.916	ug/l	89
25) 2-Butanone	7.13	43	3027	2.433	ug/l #	82
29) Tetrahydrofuran	7.54	42	1234	1.735	ug/l	92
31) Cyclohexane	7.94	56	6440	1.152	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	22467	4.977	ug/l #	52
38) Carbon Tetrachloride	7.95	117	26482	6.853	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	91817	61.840	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	91817	142.519	ug/l #	6
95) Naphthalene	15.37	128	665	2.181	ug/l #	86

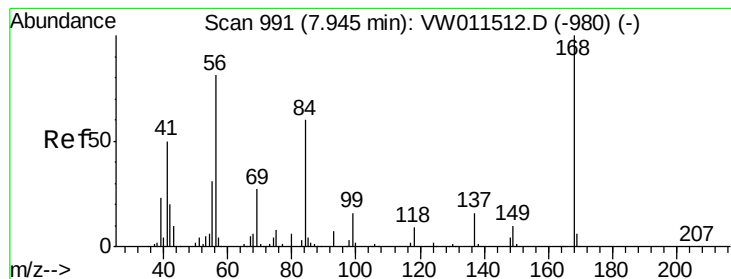
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW011639.D

Acq: 03 Aug 2019 00:51

Instrument :

MSVOA_W

ClientSampleId :

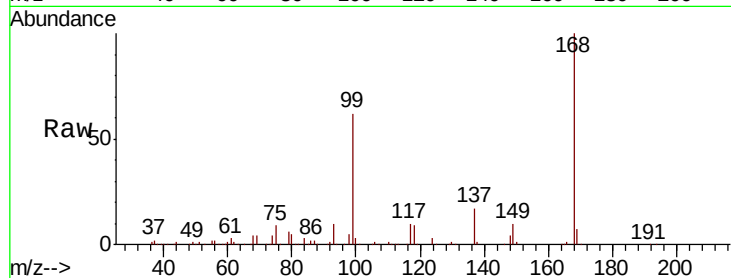
1S-D2-(0-1)

Tgt Ion:168 Resp: 260332

Ion Ratio Lower Upper

168 100

99 62.0 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

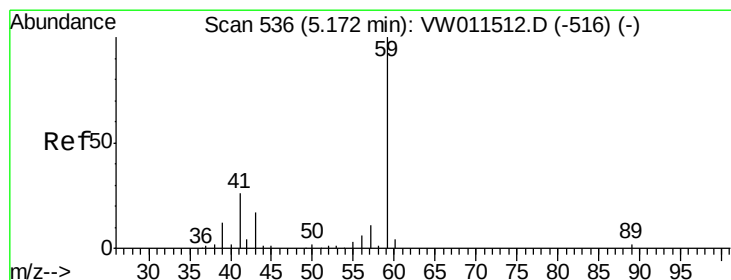
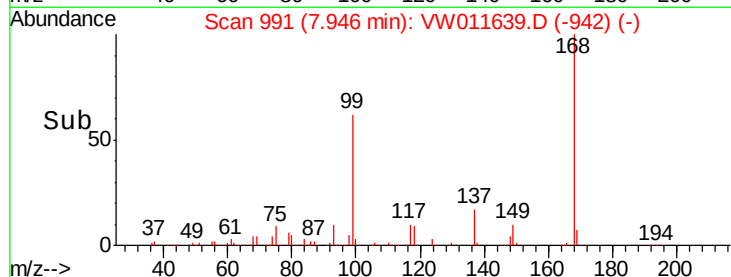
7.95

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.12 min Scan# 527

Delta R.T. -0.05 min

Lab File: VW011639.D

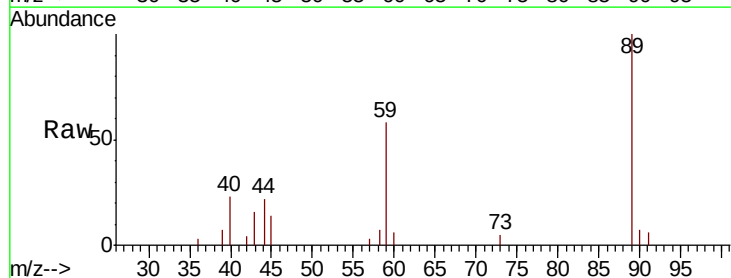
Acq: 03 Aug 2019 00:51

Tgt Ion: 59 Resp: 2324

Ion Ratio Lower Upper

59 100

57 1.7 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

1000

800

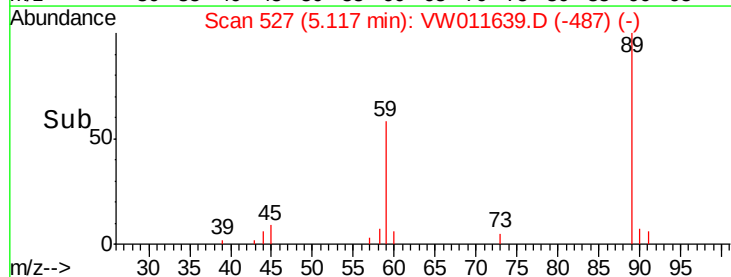
600

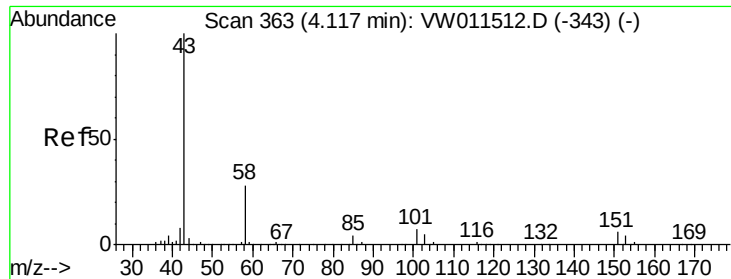
400

200

0

Time-->





#16

Acetone

Concen: 4.334 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.02 min

Lab File: VW011639.D

Acq: 03 Aug 2019 00:51

Instrument :

MSVOA_W

ClientSampleId :

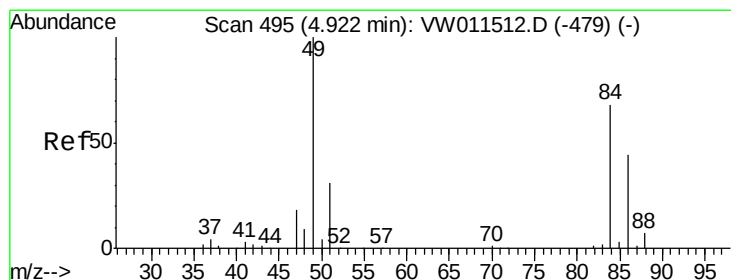
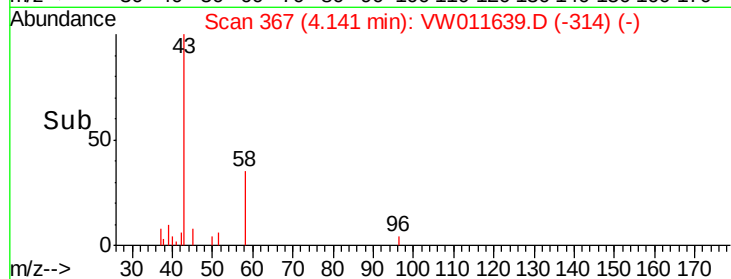
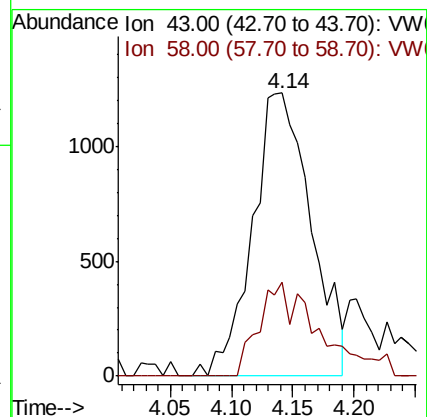
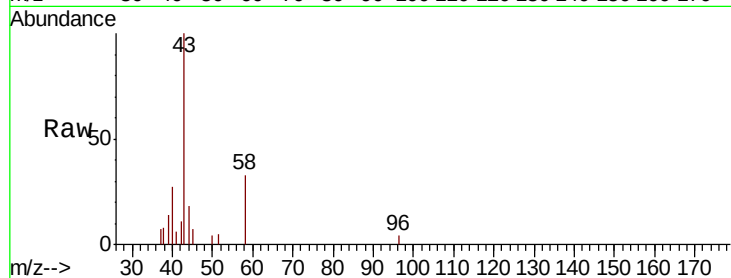
1S-D2-(0-1)

Tgt Ion: 43 Resp: 4121

Ion Ratio Lower Upper

43 100

58 33.4 22.3 33.5



#20

Methylene Chloride

Concen: 3.916 ug/l

RT: 4.92 min Scan# 494

Delta R.T. -0.01 min

Lab File: VW011639.D

Acq: 03 Aug 2019 00:51

Tgt Ion: 84 Resp: 12844

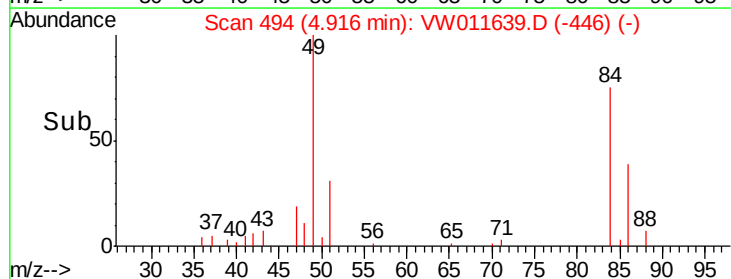
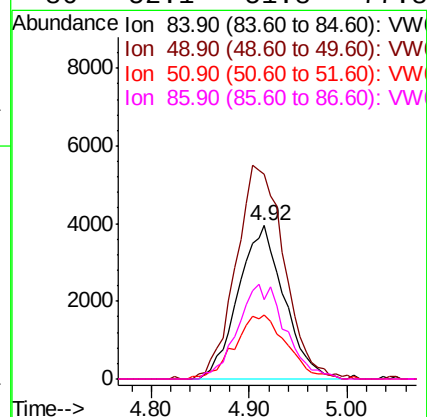
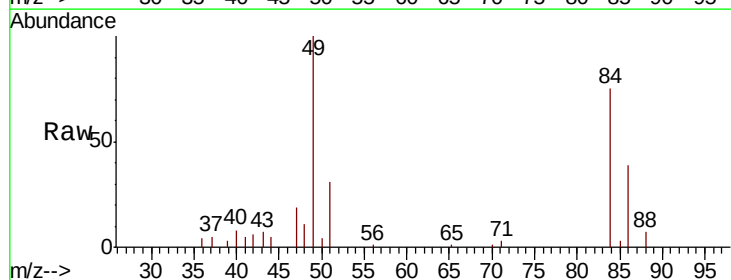
Ion Ratio Lower Upper

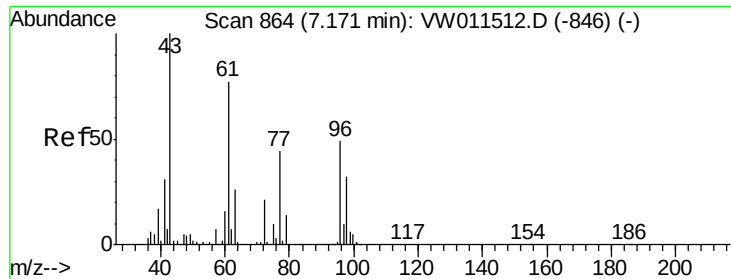
84 100

49 133.8 117.8 176.6

51 42.0 37.0 55.4

86 52.1 51.8 77.8

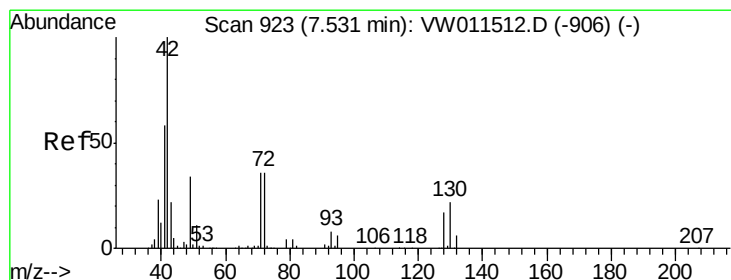
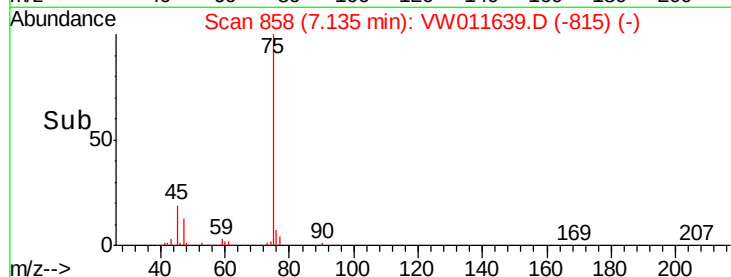
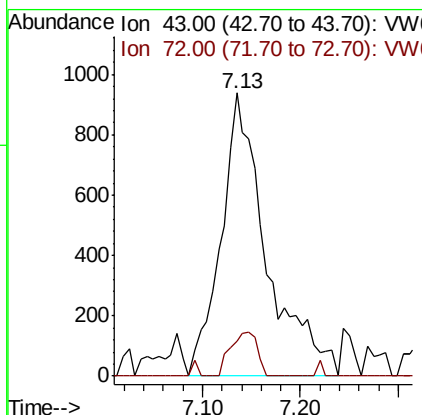
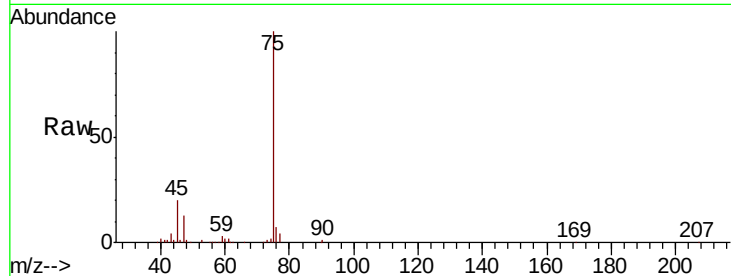




#25
 2-Butanone
 Concen: 2.433 ug/l
 RT: 7.13 min Scan# 858
 Delta R.T. -0.04 min
 Lab File: VW011639.D
 Acq: 03 Aug 2019 00:51

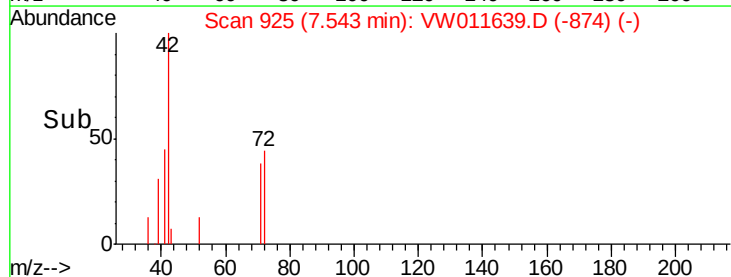
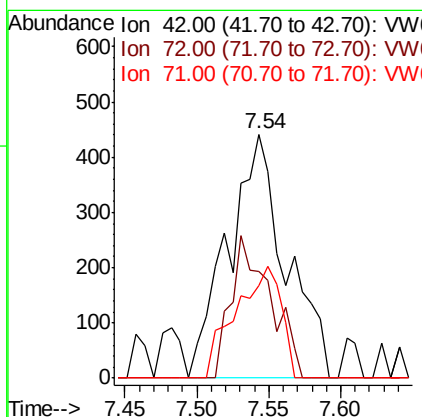
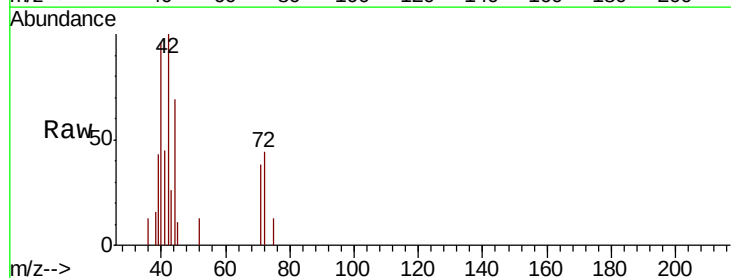
Instrument :
 MSVOA_W
 ClientSampled :
 1S-D2-(0-1)

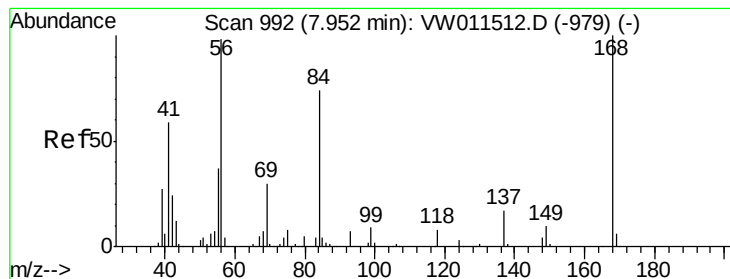
Tgt Ion: 43 Resp: 3027
 Ion Ratio Lower Upper
 43 100
 72 12.4 16.6 24.8#



#29
 Tetrahydrofuran
 Concen: 1.735 ug/l
 RT: 7.54 min Scan# 925
 Delta R.T. 0.01 min
 Lab File: VW011639.D
 Acq: 03 Aug 2019 00:51

Tgt Ion: 42 Resp: 1234
 Ion Ratio Lower Upper
 42 100
 72 40.0 27.1 40.7
 71 36.1 26.2 39.4





#31

Cyclohexane

Concen: 1.152 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW011639.D

Acq: 03 Aug 2019 00:51

Instrument :

MSVOA_W

ClientSampleId :

1S-D2-(0-1)

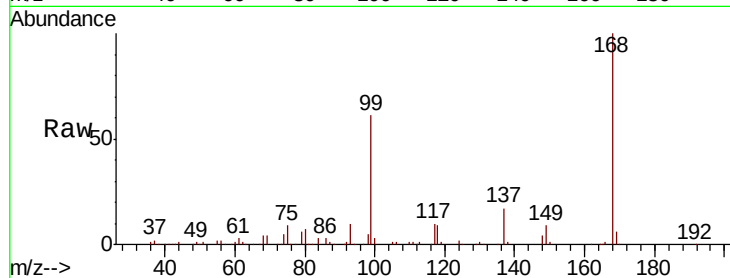
Tgt Ion: 56 Resp: 6440

Ion Ratio Lower Upper

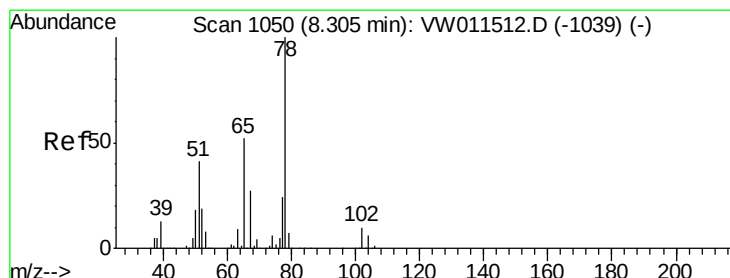
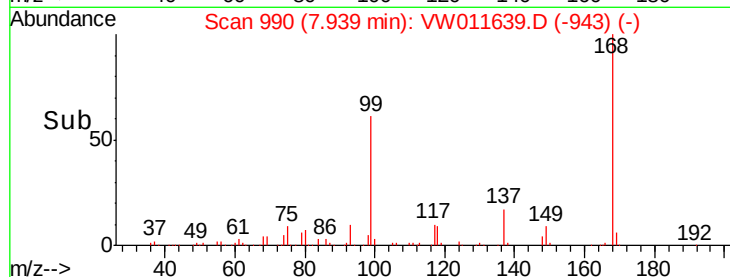
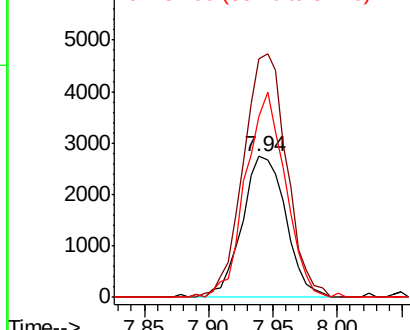
56 100

69 169.8 24.3 36.5#

84 128.7 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: 55.507 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW011639.D

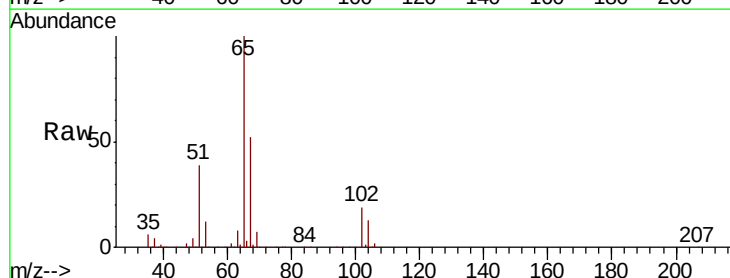
Acq: 03 Aug 2019 00:51

Tgt Ion: 65 Resp: 165928

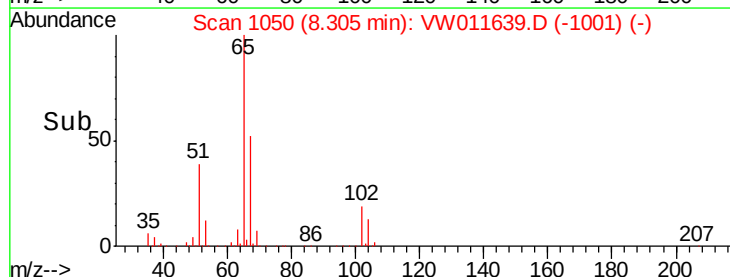
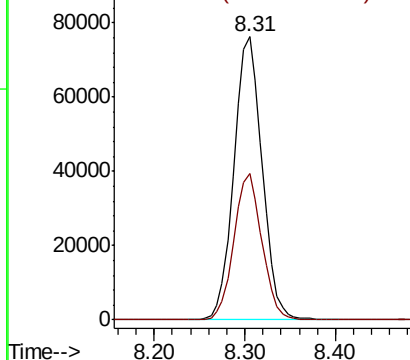
Ion Ratio Lower Upper

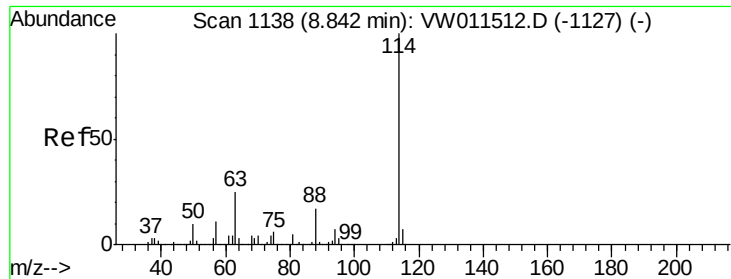
65 100

67 51.6 0.0 105.2



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

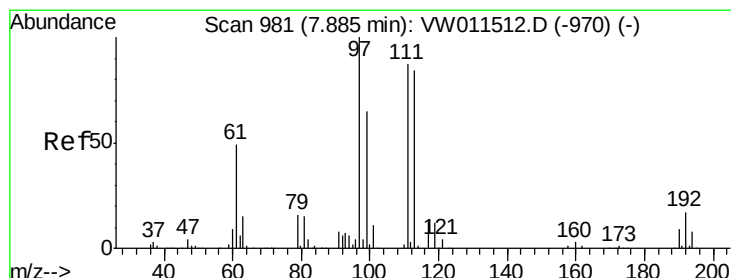
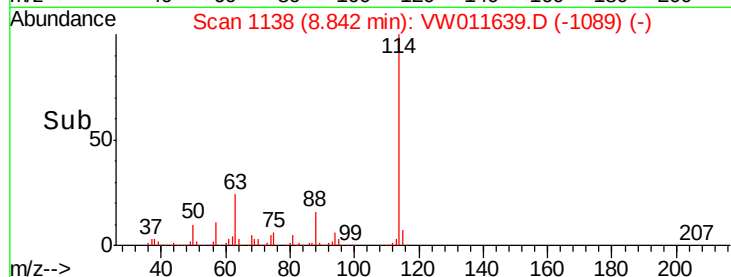
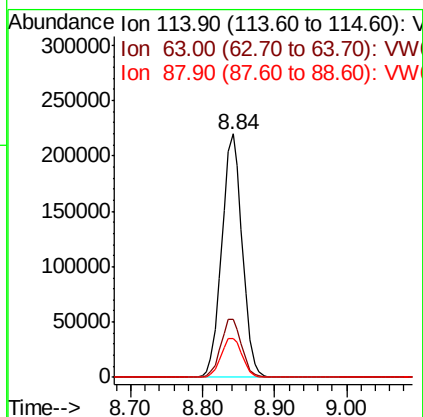
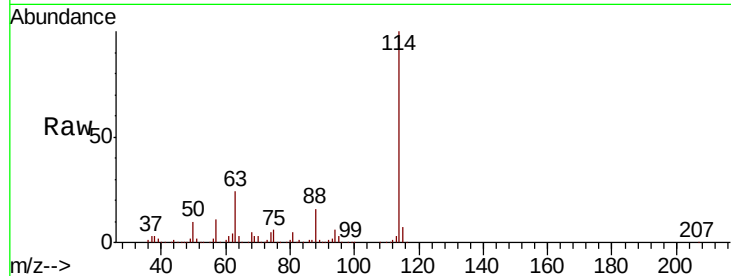




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011639.D
 Acq: 03 Aug 2019 00:51

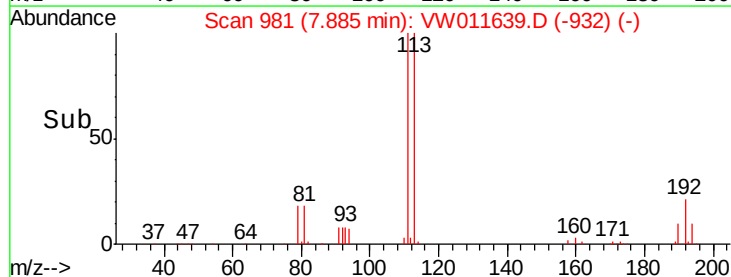
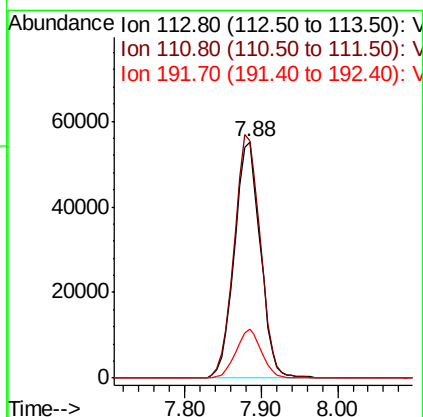
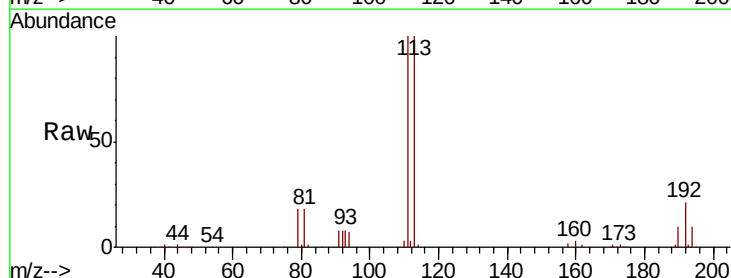
Instrument :
 MSVOA_W
 ClientSampleId :
 1S-D2-(0-1)

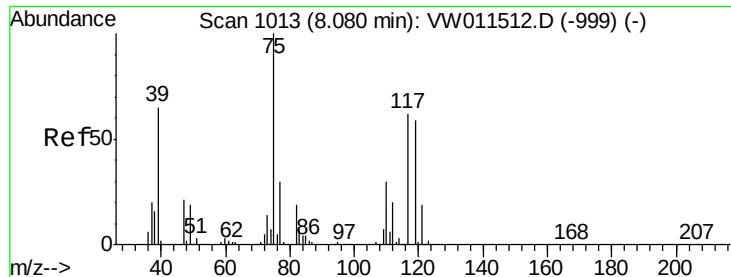
Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.9	0.0	49.2
88	15.9	0.0	33.8



#35
 Dibromofluoromethane
 Concen: 53.085 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW011639.D
 Acq: 03 Aug 2019 00:51

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.3	82.7	124.1
192	20.4	16.1	24.1

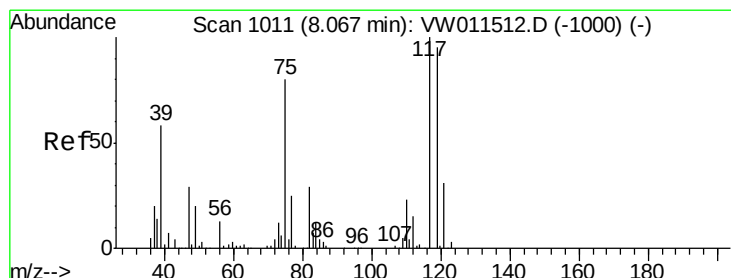
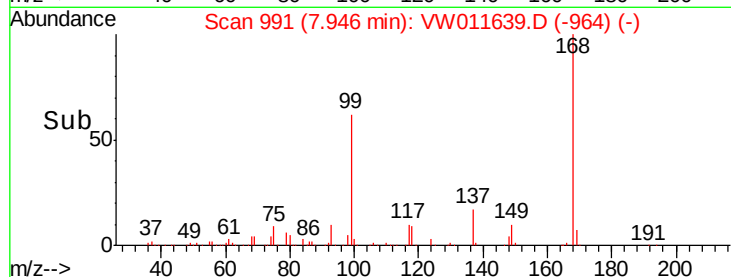
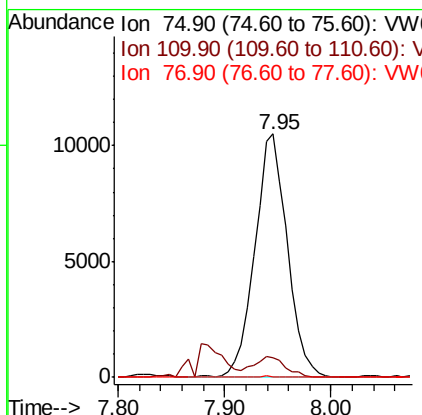
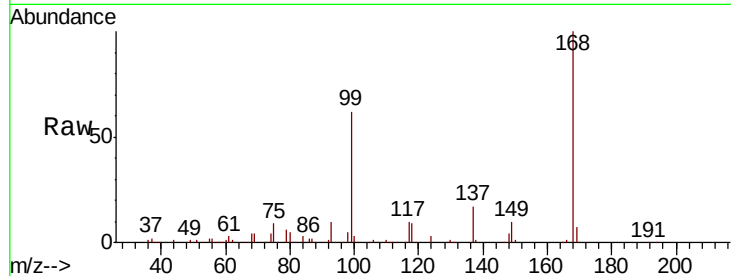




#36
 1,1-Dichloropropene
 Concen: 4.977 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW011639.D
 Acq: 03 Aug 2019 00:51

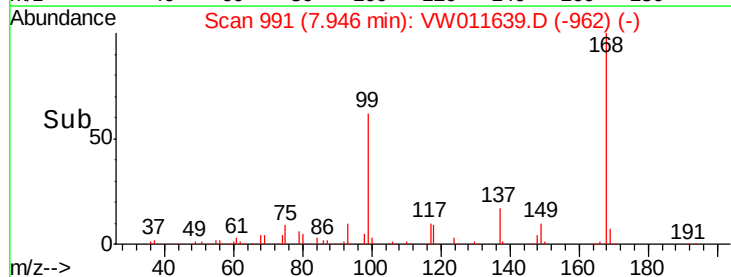
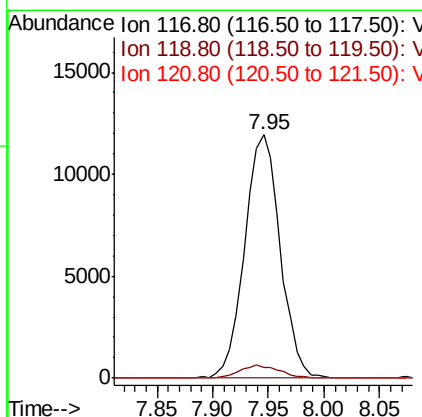
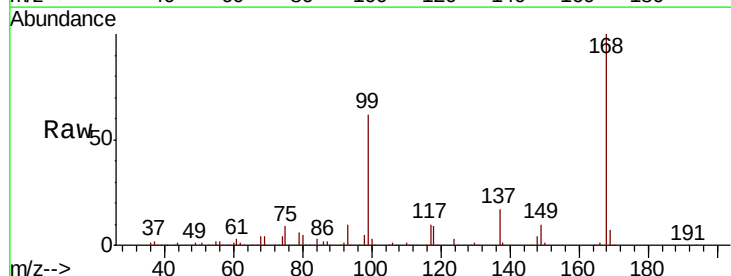
Instrument :
 MSVOA_W
 ClientSampled :
 1S-D2-(0-1)

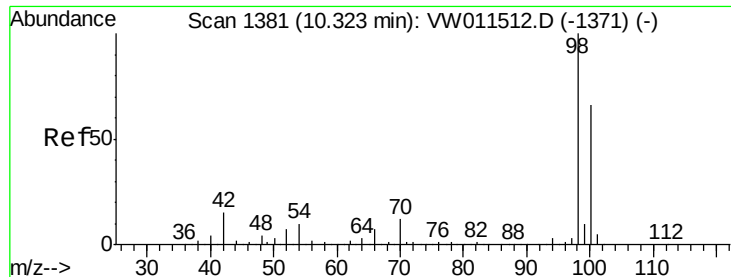
Tgt Ion: 75 Resp: 22467
 Ion Ratio Lower Upper
 75 100
 110 8.3 15.6 46.8#
 77 0.1 24.3 36.5#



#38
 Carbon Tetrachloride
 Concen: 6.853 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW011639.D
 Acq: 03 Aug 2019 00:51

Tgt Ion: 117 Resp: 26482
 Ion Ratio Lower Upper
 117 100
 119 4.1 75.8 113.6#
 121 0.0 24.7 37.1#

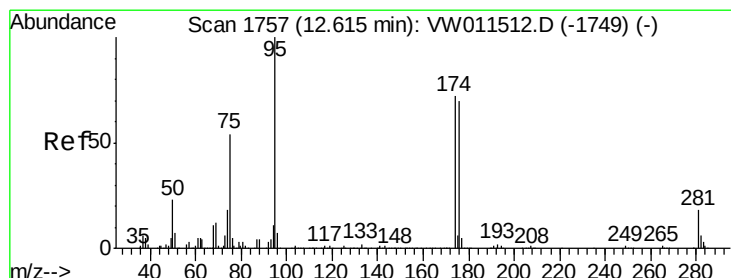
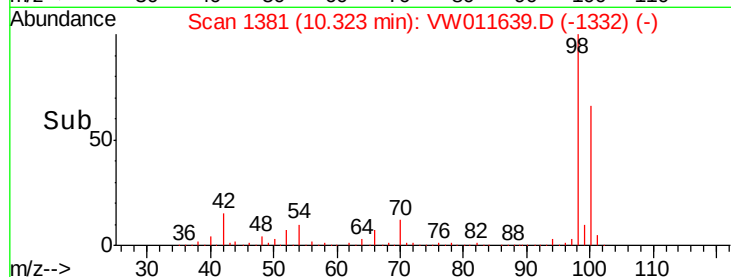
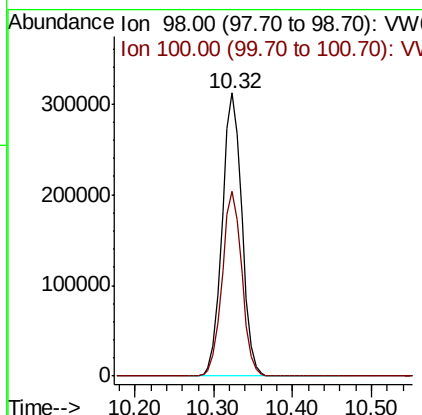
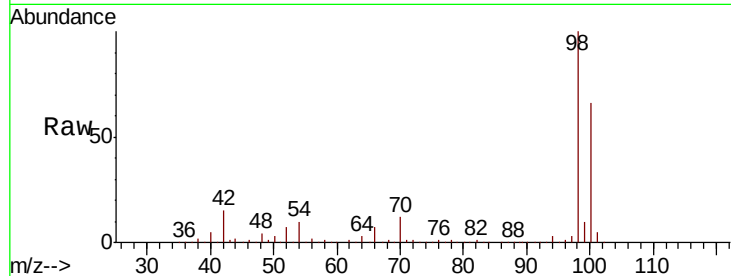




#50
Toluene-d8
Concen: 54.274 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW011639.D
Acq: 03 Aug 2019 00:51

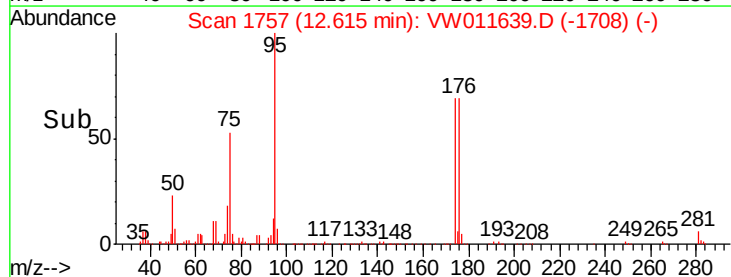
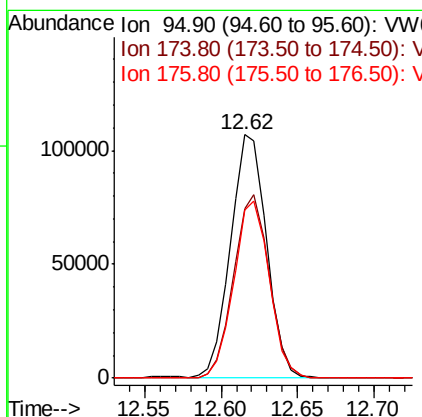
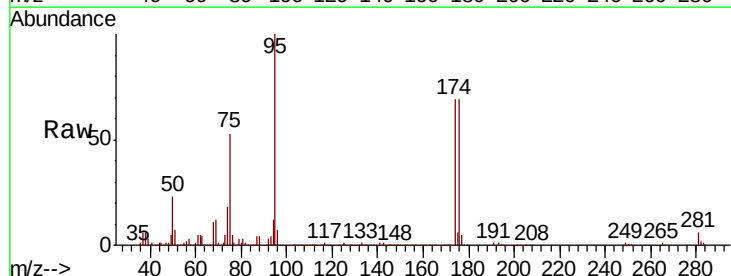
Instrument :
MSVOA_W
ClientSampleId :
1S-D2-(0-1)

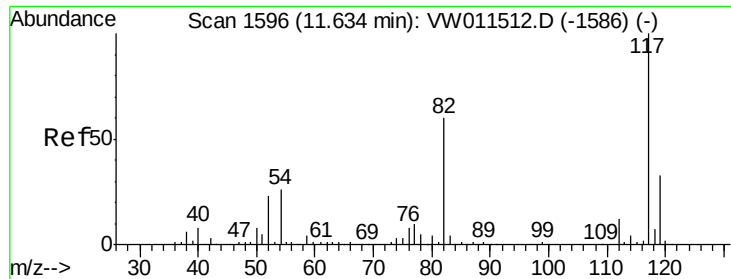
Tgt Ion: 98 Resp: 541169
Ion Ratio Lower Upper
98 100
100 65.2 52.7 79.1



#62
4-Bromofluorobenzene
Concen: 48.837 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW011639.D
Acq: 03 Aug 2019 00:51

Tgt Ion: 95 Resp: 173611
Ion Ratio Lower Upper
95 100
174 75.0 0.0 150.2
176 72.4 0.0 144.4

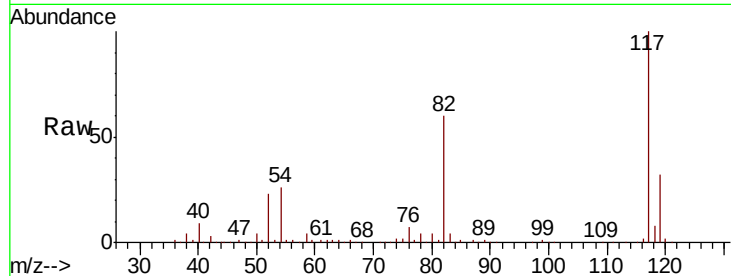




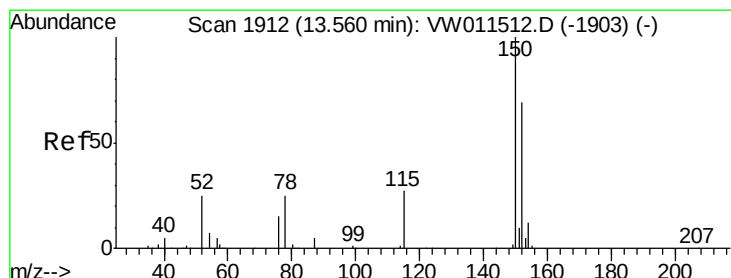
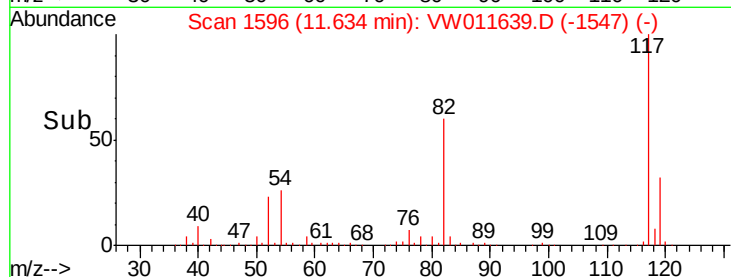
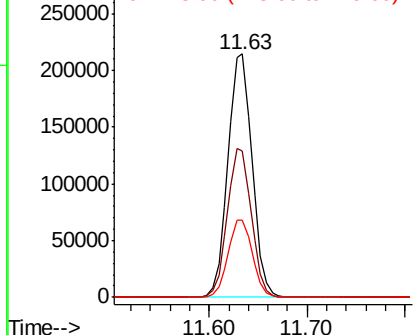
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW011639.D
Acq: 03 Aug 2019 00:51

Instrument :
MSVOA_W
ClientSampleId :
1S-D2-(0-1)

Tgt Ion:117 Resp: 367455
Ion Ratio Lower Upper
117 100
82 60.1 47.9 71.9
119 31.9 26.2 39.2

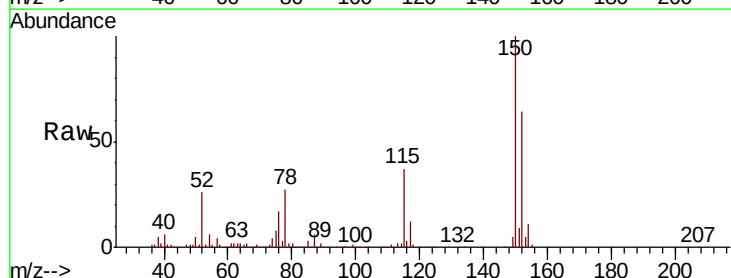


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

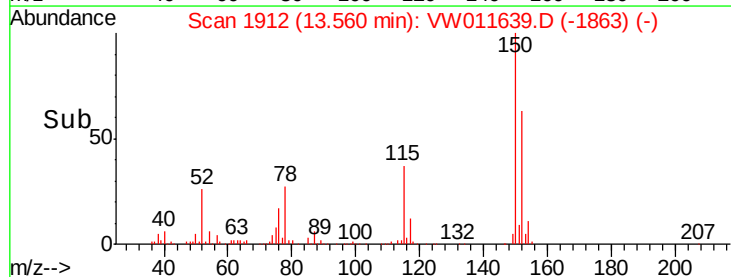
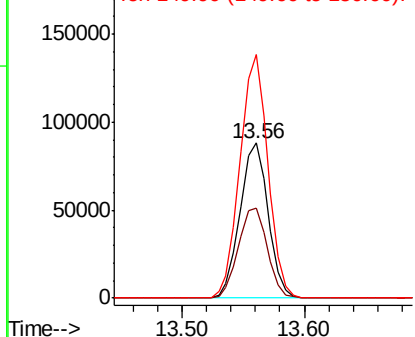


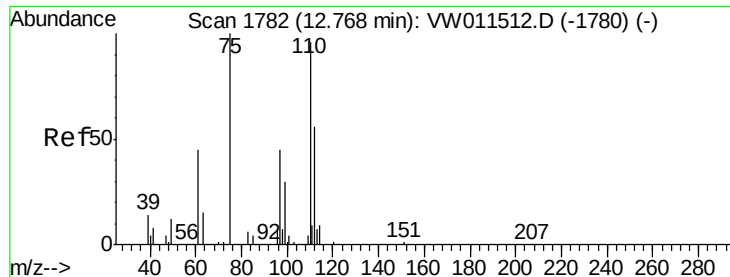
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW011639.D
Acq: 03 Aug 2019 00:51

Tgt Ion:152 Resp: 140321
Ion Ratio Lower Upper
152 100
115 60.0 30.5 91.5
150 155.8 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

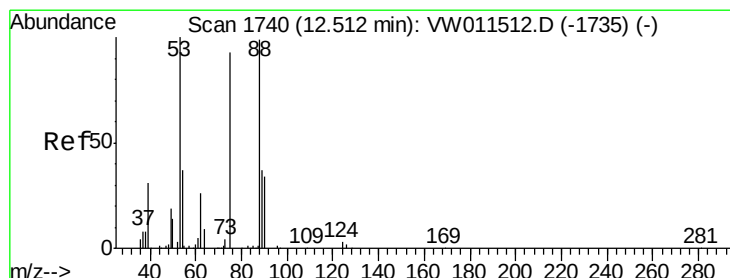
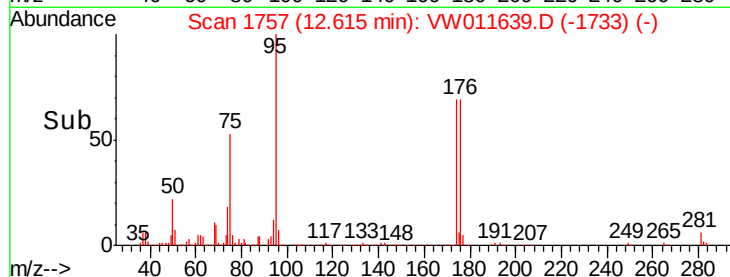
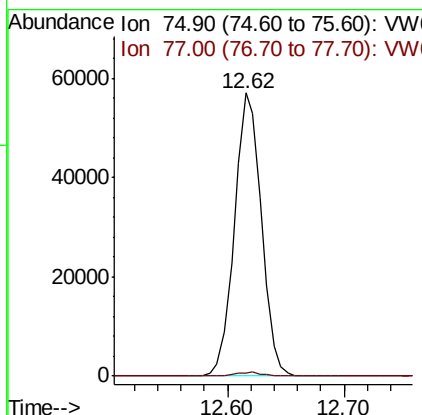
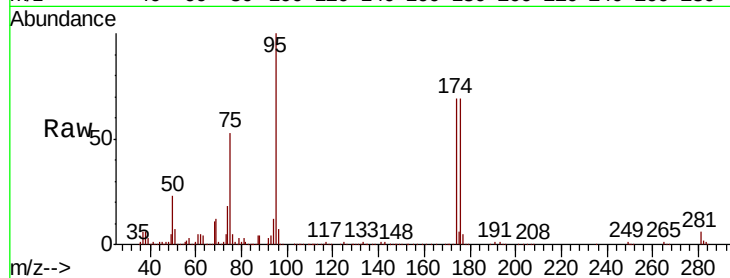




#76
 1,2,3-Trichloropropane
 Concen: 61.840 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW011639.D
 Acq: 03 Aug 2019 00:51

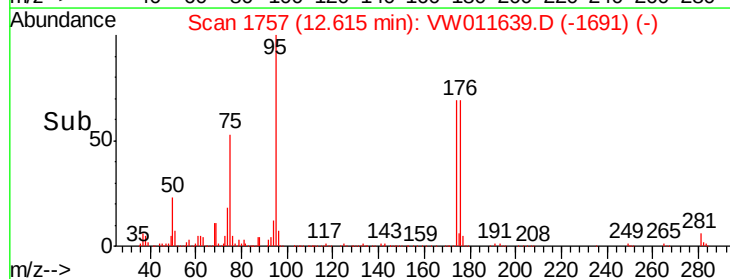
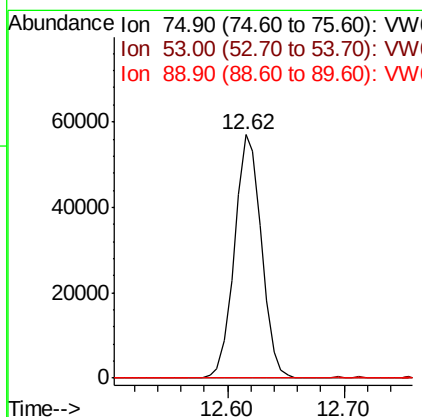
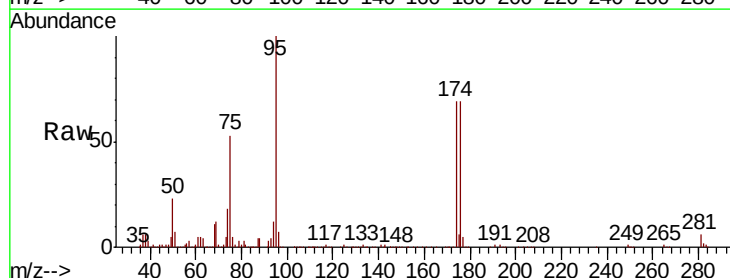
Instrument :
 MSVOA_W
 ClientSampled :
 1S-D2-(0-1)

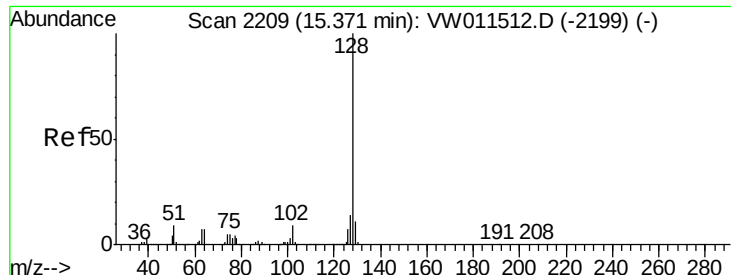
Tgt Ion: 75 Resp: 91817
 Ion Ratio Lower Upper
 75 100
 77 1.7 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 142.519 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW011639.D
 Acq: 03 Aug 2019 00:51

Tgt Ion: 75 Resp: 91817
 Ion Ratio Lower Upper
 75 100
 53 0.0 88.0 132.0#
 89 0.0 35.3 52.9#





#95
Naphthalene
Concen: 2.181 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW011639.D
Acq: 03 Aug 2019 00:51

Instrument :
MSVOA_W
ClientSampleId :
1S-D2-(0-1)

Tgt Ion:128 Resp: 665
Ion Ratio Lower Upper
128 100
127 9.2 10.6 16.0#
129 3.6 8.6 13.0#

