

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081219\
 Data File : VW011823.D
 Acq On : 09 Aug 2019 20:52
 Operator : SY/VA
 Sample : K4227-06
 Misc : 6.36G/5ML/MSVOA_W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: Aug 11 01:29:34 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	209630	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	351028	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	291831	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	115646	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	140179	58.23	ug/l	0.00
Spiked Amount			Recovery	=	116.46%	
35) Dibromofluoromethane	7.88	113	108536	55.11	ug/l	0.00
Spiked Amount			Recovery	=	110.22%	
50) Toluene-d8	10.32	98	430861	53.44	ug/l	0.00
Spiked Amount			Recovery	=	106.88%	
62) 4-Bromofluorobenzene	12.62	95	136745	47.57	ug/l	0.00
Spiked Amount			Recovery	=	95.14%	

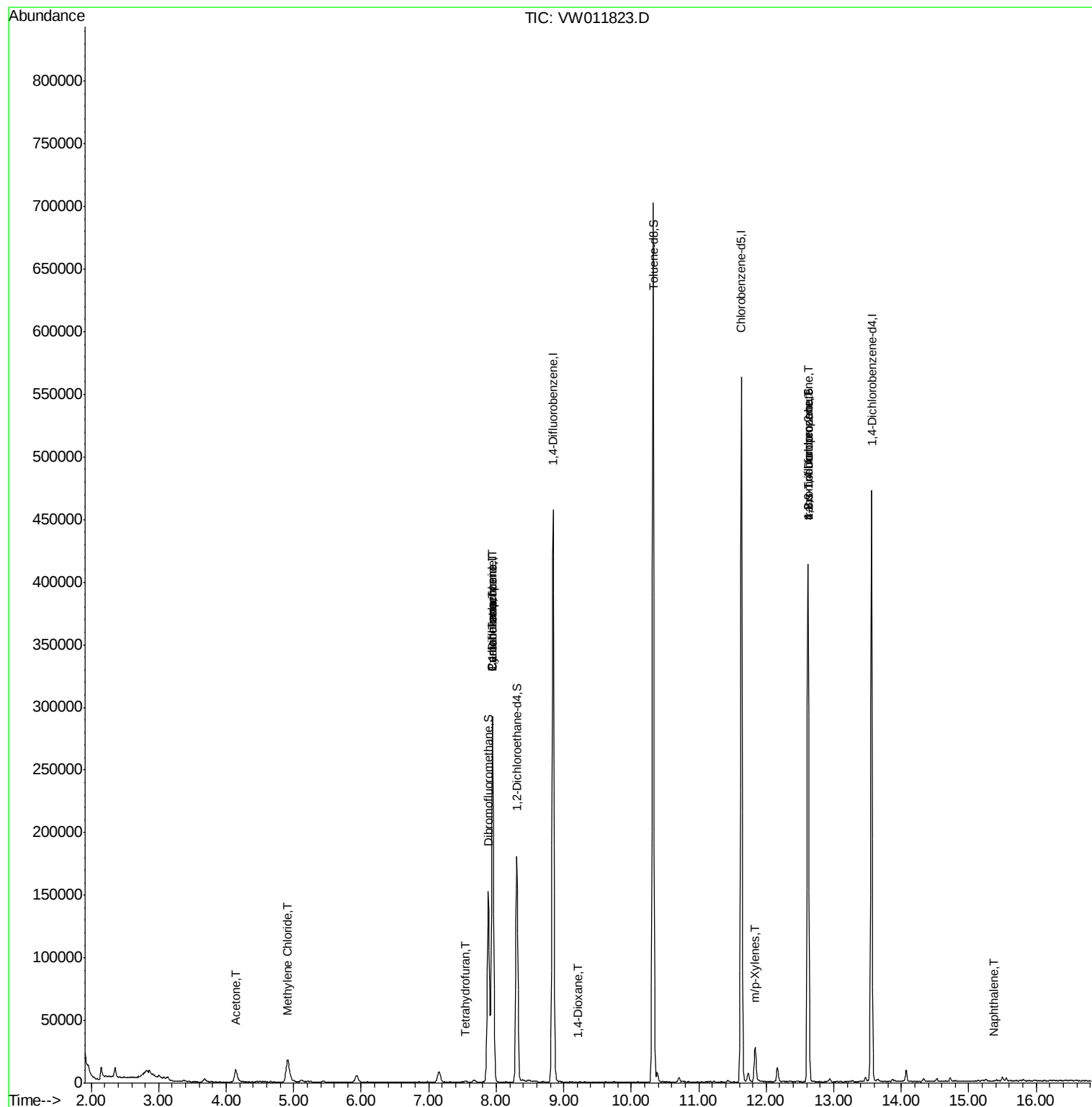
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.12	59	1442	Below Cal	#	72
16) Acetone	4.14	43	20177	26.351	ug/l	93
20) Methylene Chloride	4.91	84	13924	5.273	ug/l	88
29) Tetrahydrofuran	7.54	42	643	1.123	ug/l #	67
31) Cyclohexane	7.95	56	5523	1.227	ug/l #	29
36) 1,1-Dichloropropene	7.95	75	18599	5.096	ug/l #	52
38) Carbon Tetrachloride	7.94	117	20989	6.717	ug/l #	17
49) 1,4-Dioxane	9.21	88	22	1.217	ug/l #	1
68) m/p-Xylenes	11.83	106	7524	1.851	ug/l	95
76) 1,2,3-Trichloropropane	12.62	75	72871	59.551	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	72871	137.245	ug/l #	6
95) Naphthalene	15.37	128	347	2.139	ug/l #	69

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

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Quant Time: Aug 11 01:29:34 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: VW011823.D

Acq: 09 Aug 2019 20:52

Instrument :

MSVOA_W

ClientSampled :

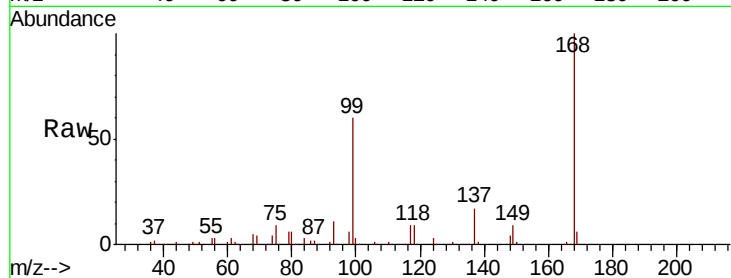
1S-J(1)

Tgt Ion:168 Resp: 209630

Ion Ratio Lower Upper

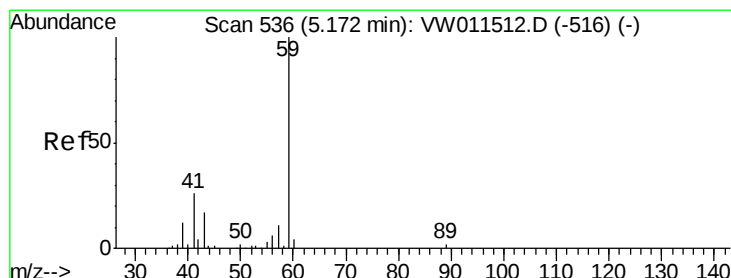
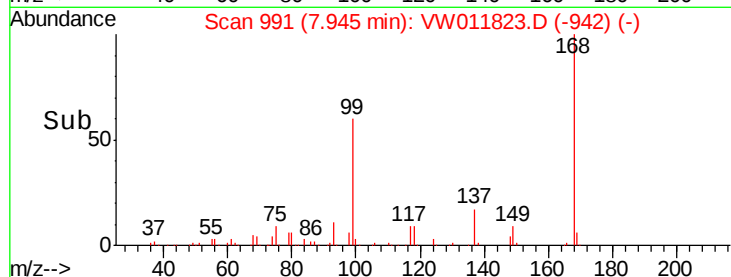
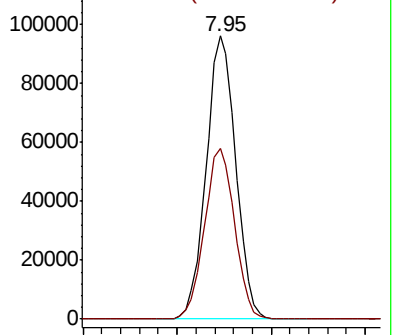
168 100

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



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.12 min Scan# 527

Delta R.T. -0.05 min

Lab File: VW011823.D

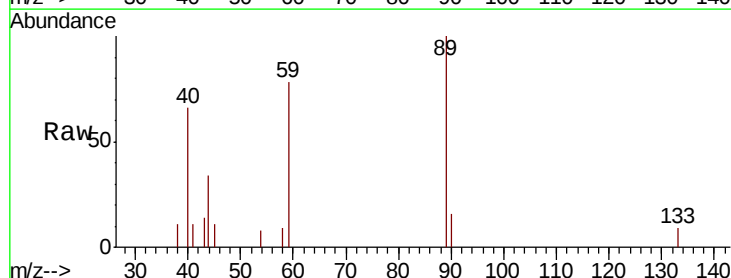
Acq: 09 Aug 2019 20:52

Tgt Ion: 59 Resp: 1442

Ion Ratio Lower Upper

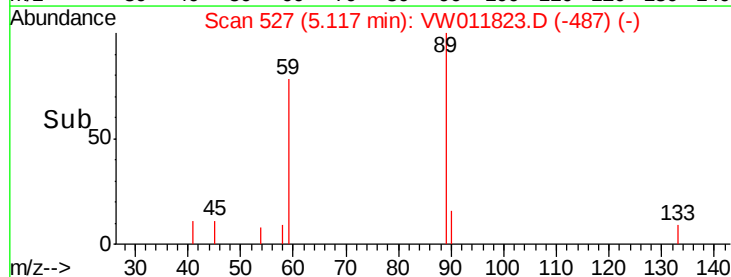
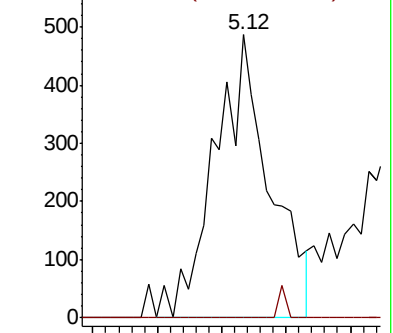
59 100

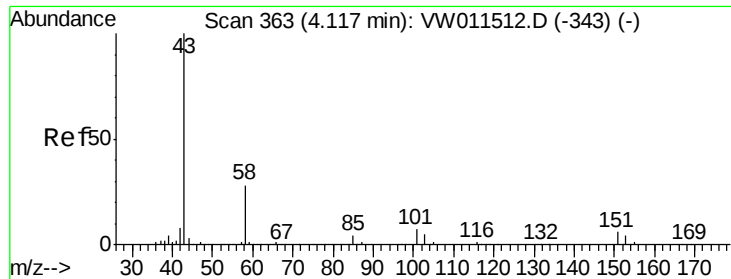
57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 26.351 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.02 min

Lab File: VW011823.D

Acq: 09 Aug 2019 20:52

Instrument :

MSVOA_W

ClientSampleId :

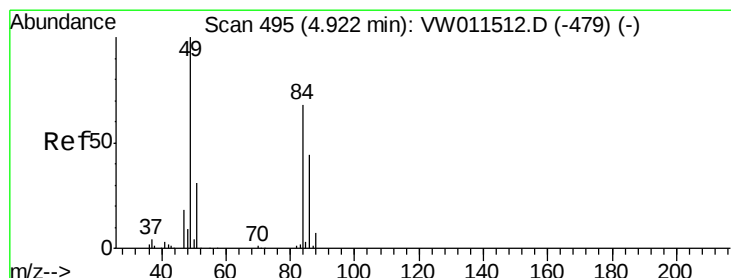
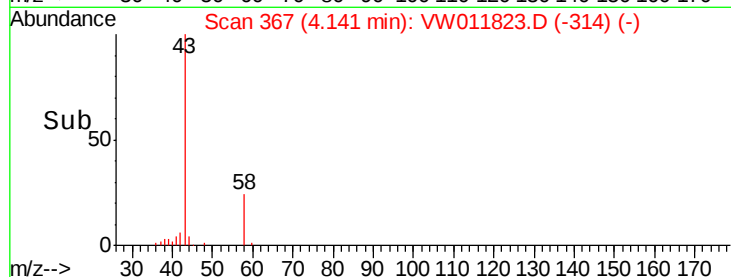
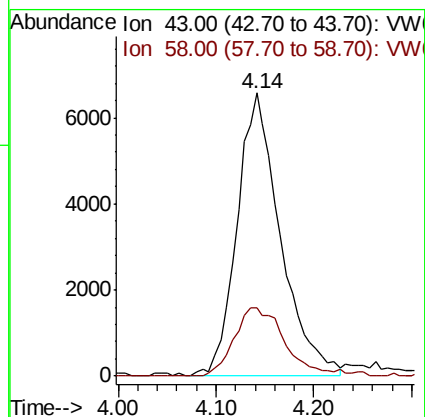
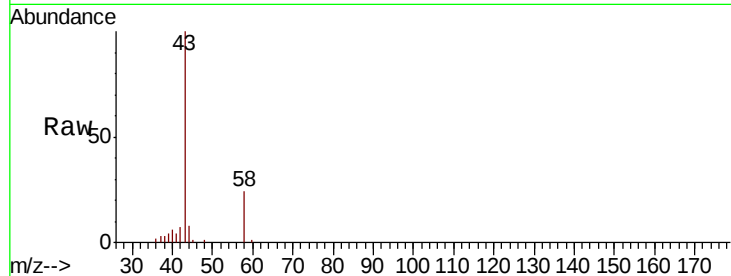
1S-J(1)

Tgt Ion: 43 Resp: 20177

Ion Ratio Lower Upper

43 100

58 24.1 22.3 33.5



#20

Methylene Chloride

Concen: 5.273 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW011823.D

Acq: 09 Aug 2019 20:52

Tgt Ion: 84 Resp: 13924

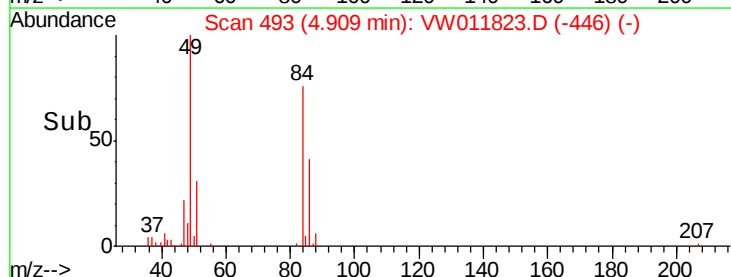
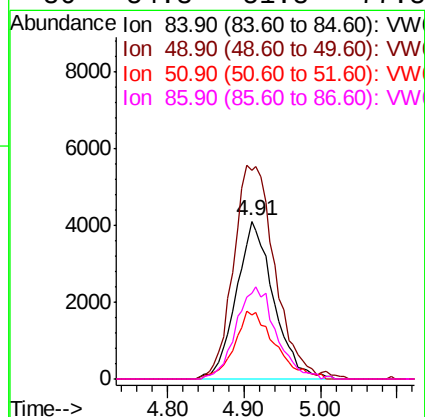
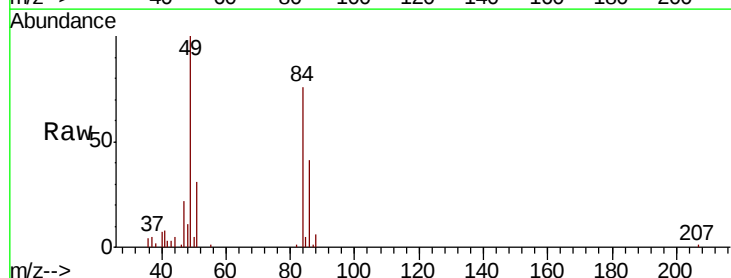
Ion Ratio Lower Upper

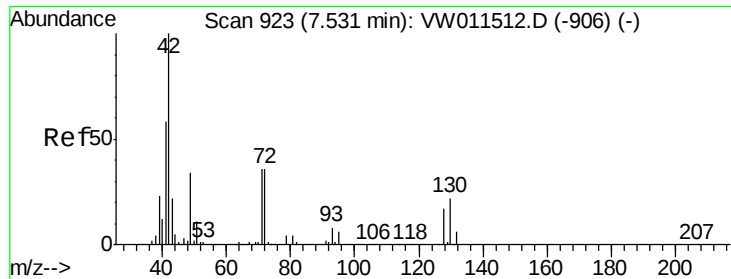
84 100

49 132.1 117.8 176.6

51 40.6 37.0 55.4

86 54.3 51.8 77.8

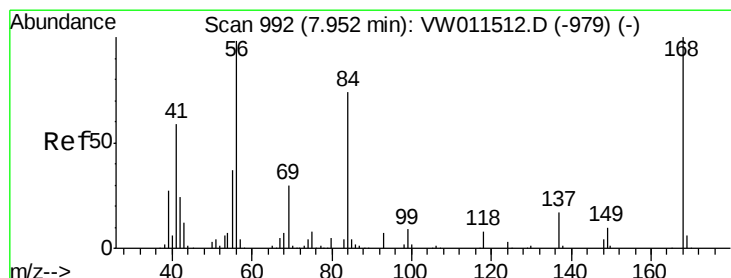
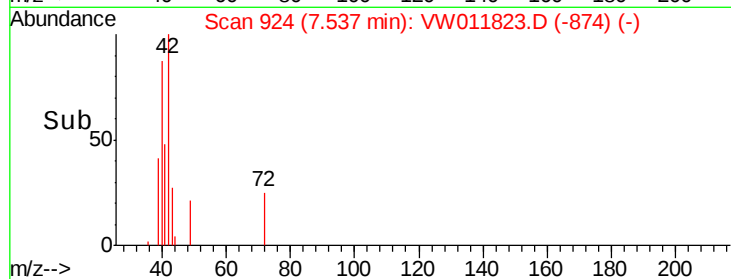
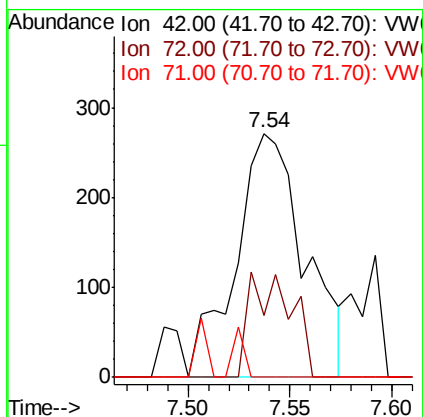
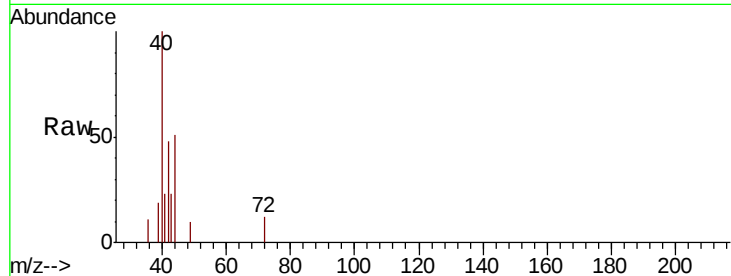




#29
Tetrahydrofuran
Concen: 1.123 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW011823.D
Acq: 09 Aug 2019 20:52

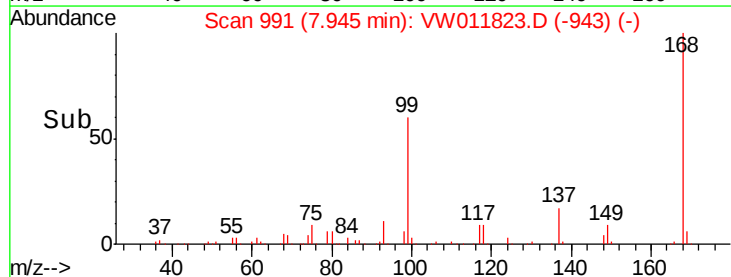
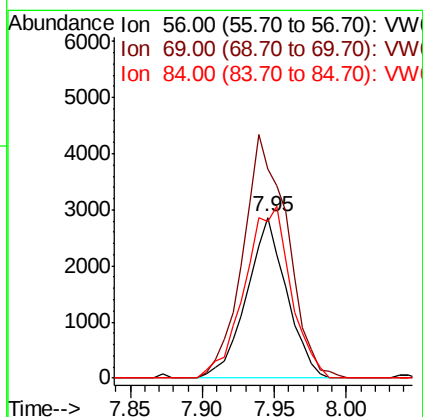
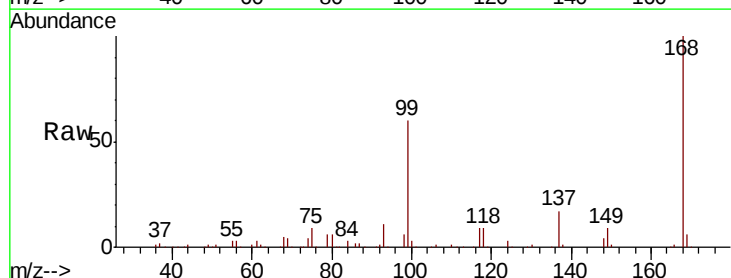
Instrument :
MSVOA_W
ClientSampleId :
1S-J(1)

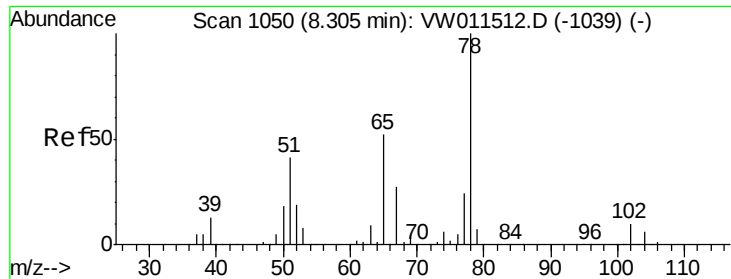
Tgt Ion: 42 Resp: 643
Ion Ratio Lower Upper
42 100
72 25.8 27.1 40.7#
71 3.1 26.2 39.4#



#31
Cyclohexane
Concen: 1.227 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW011823.D
Acq: 09 Aug 2019 20:52

Tgt Ion: 56 Resp: 5523
Ion Ratio Lower Upper
56 100
69 130.2 24.3 36.5#
84 97.7 60.4 90.6#

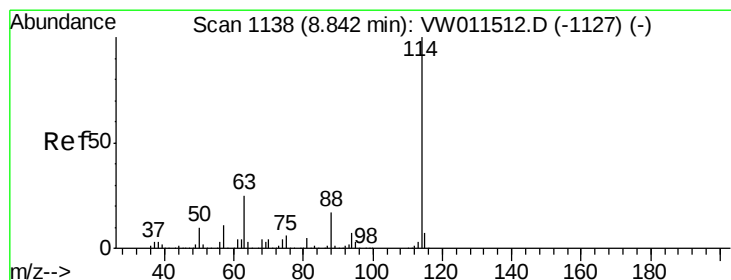
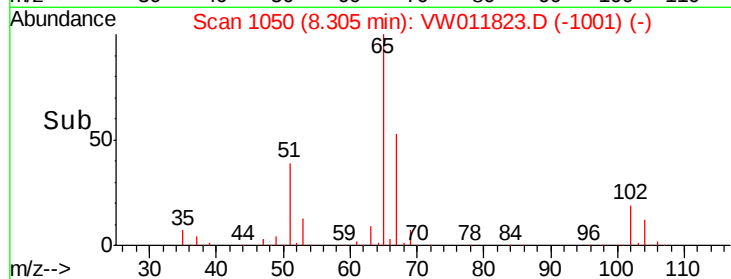
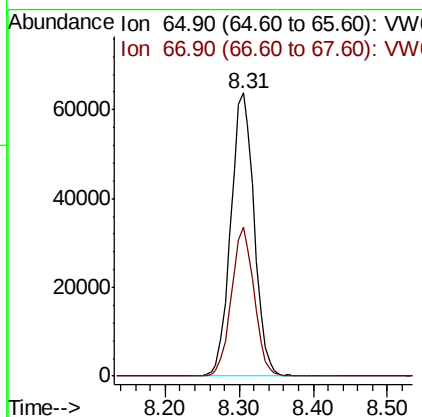
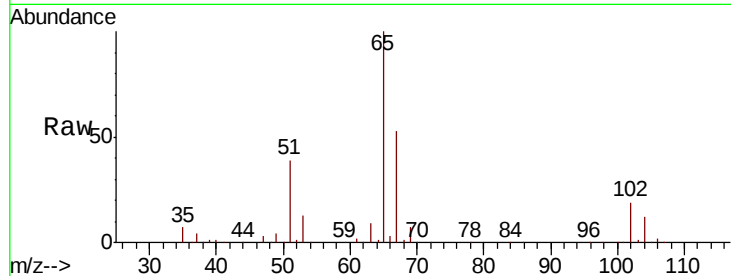




#33
 1,2-Dichloroethane-d4
 Concen: 58.235 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW011823.D
 Acq: 09 Aug 2019 20:52

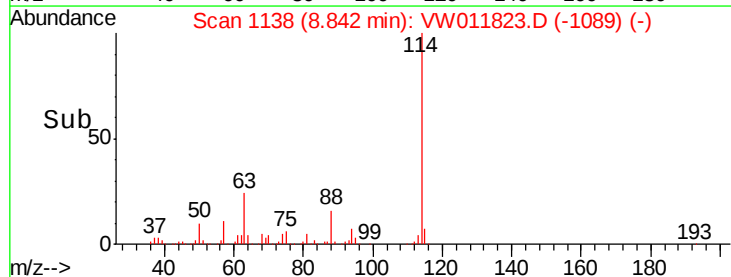
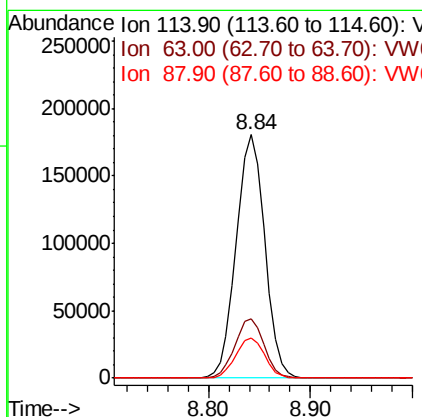
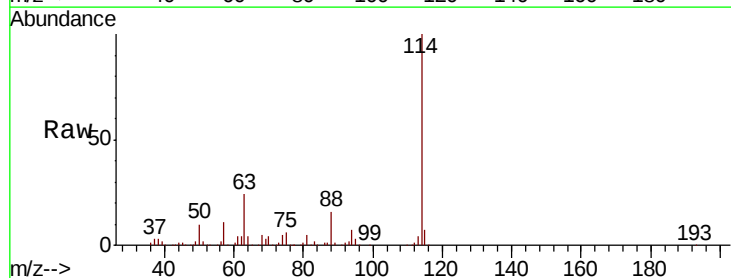
Instrument :
 MSVOA_W
 ClientSampled :
 1S-J(1)

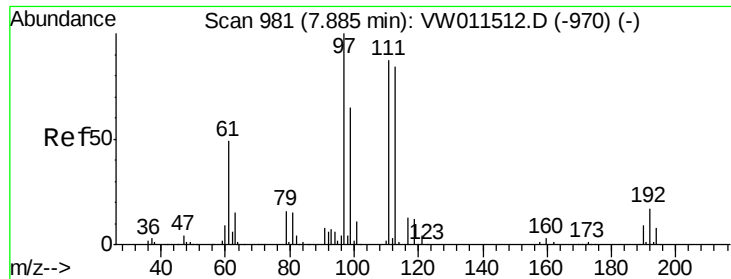
Tgt Ion: 65 Resp: 140179
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011823.D
 Acq: 09 Aug 2019 20:52

Tgt Ion: 114 Resp: 351028
 Ion Ratio Lower Upper
 114 100
 63 24.1 0.0 49.2
 88 16.3 0.0 33.8

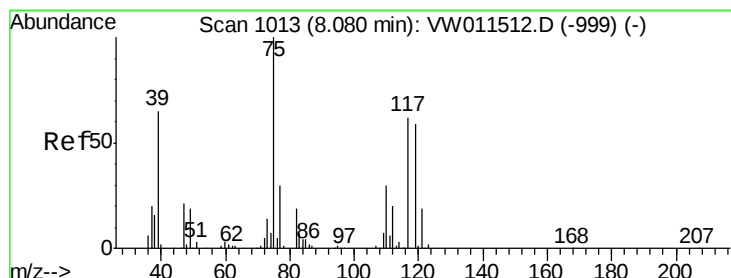
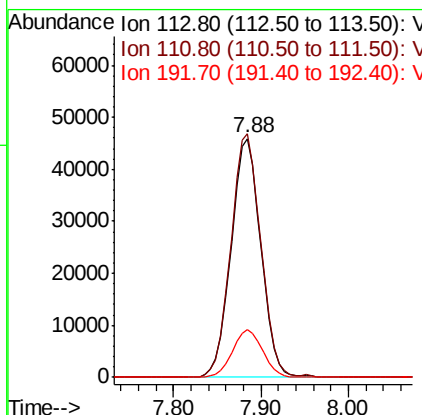
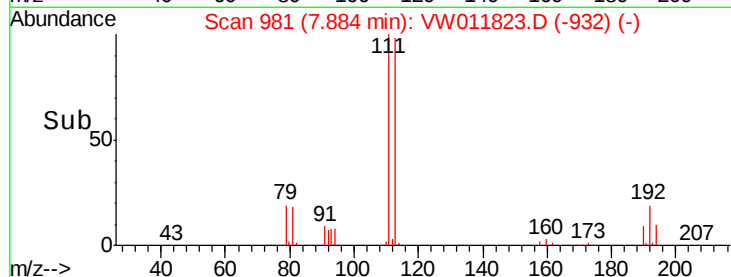
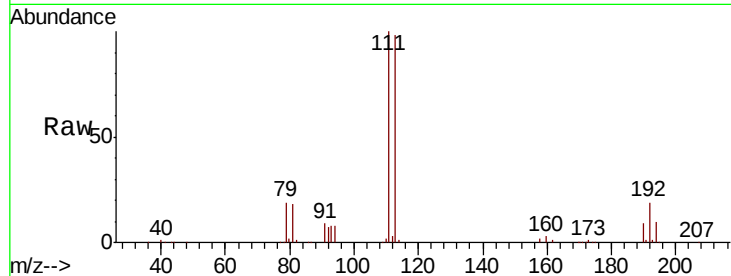




#35
 Dibromofluoromethane
 Concen: 55.113 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW011823.D
 Acq: 09 Aug 2019 20:52

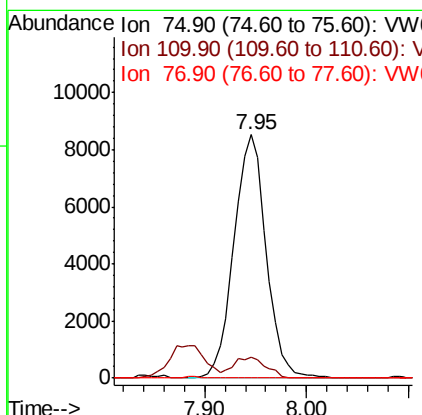
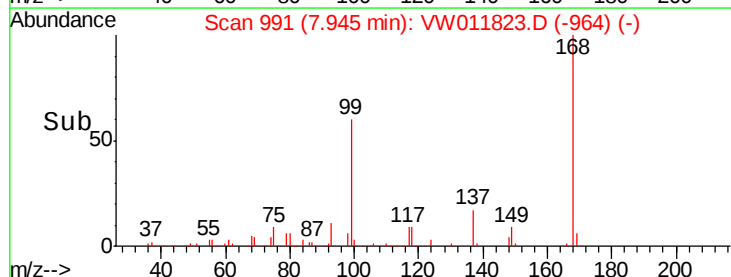
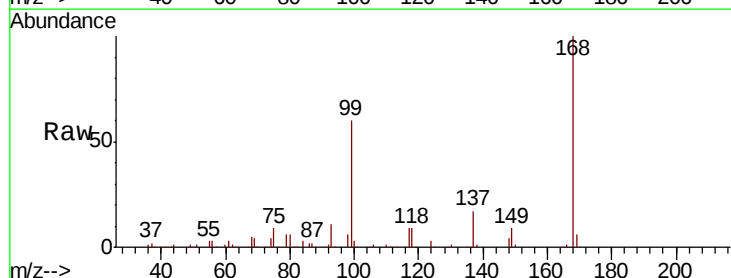
Instrument :
 MSVOA_W
 ClientSampleId :
 1S-J(1)

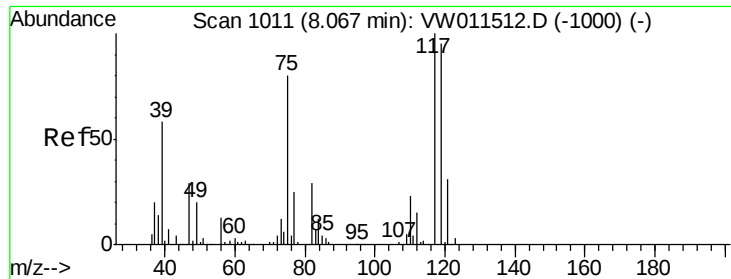
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.7	124.1
192	20.1	16.1	24.1



#36
 1,1-Dichloropropene
 Concen: 5.096 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW011823.D
 Acq: 09 Aug 2019 20:52

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.8	15.6	46.8#
77	0.0	24.3	36.5#





#38

Carbon Tetrachloride

Concen: 6.717 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.13 min

Lab File: VW011823.D

Acq: 09 Aug 2019 20:52

Instrument :

MSVOA_W

ClientSampleId :

1S-J(1)

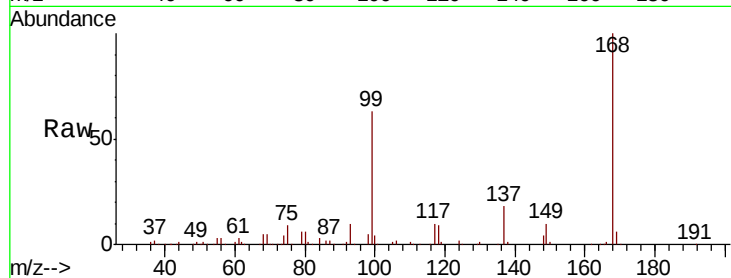
Tgt Ion:117 Resp: 20989

Ion Ratio Lower Upper

117 100

119 6.0 75.8 113.6#

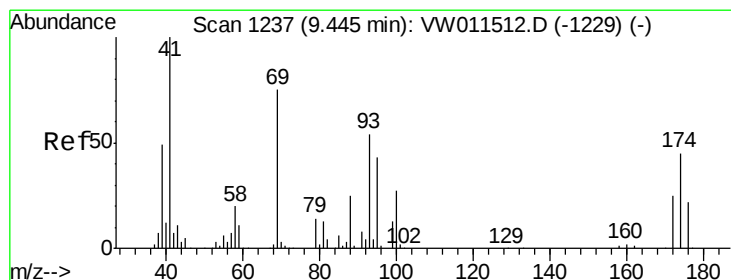
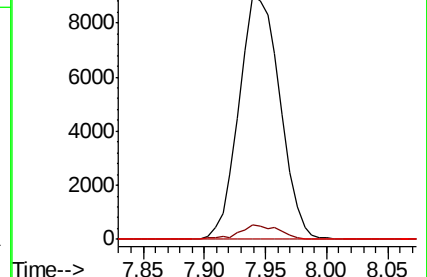
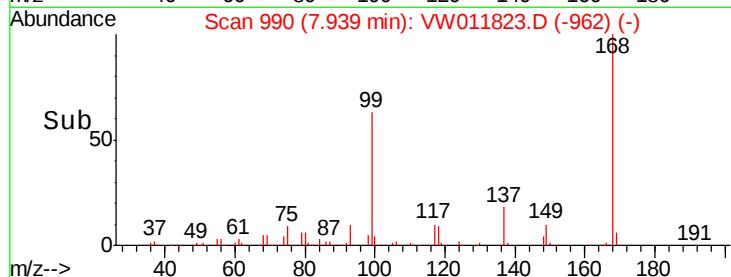
121 0.0 24.7 37.1#



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: 1.217 ug/l

RT: 9.21 min Scan# 1198

Delta R.T. -0.24 min

Lab File: VW011823.D

Acq: 09 Aug 2019 20:52

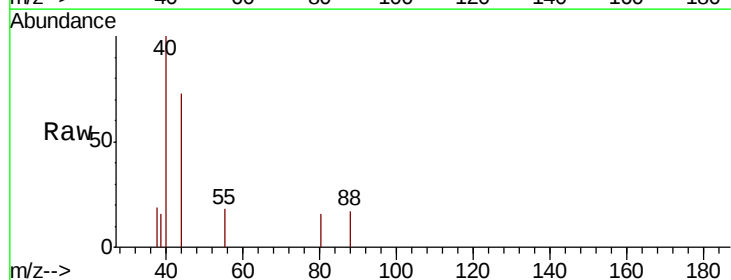
Tgt Ion: 88 Resp: 22

Ion Ratio Lower Upper

88 100

43 300.0 34.0 51.0#

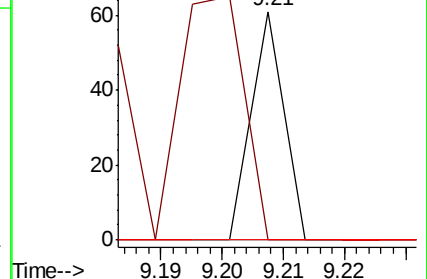
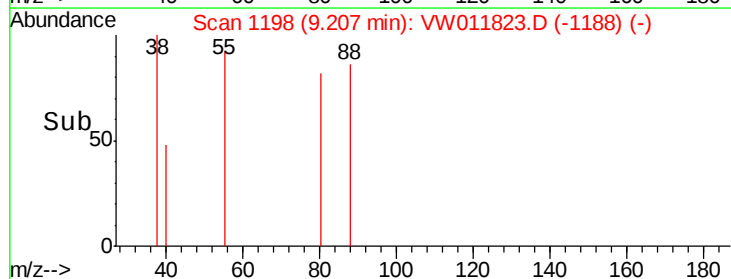
58 0.0 69.7 104.5#

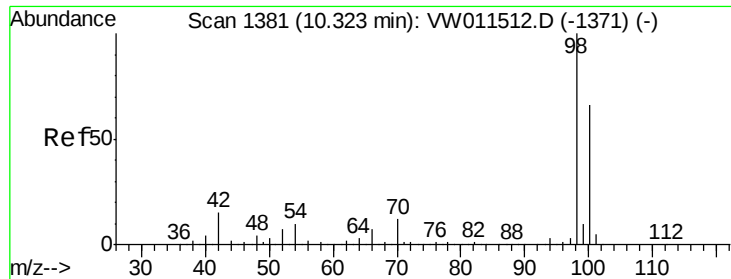


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

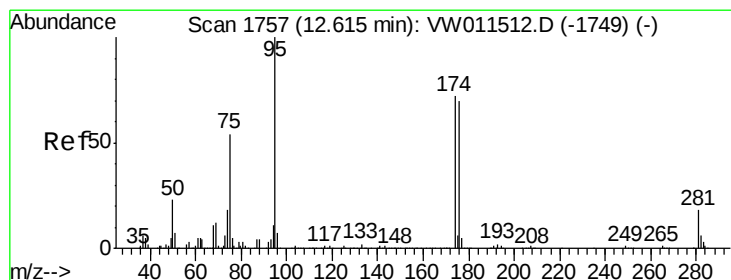
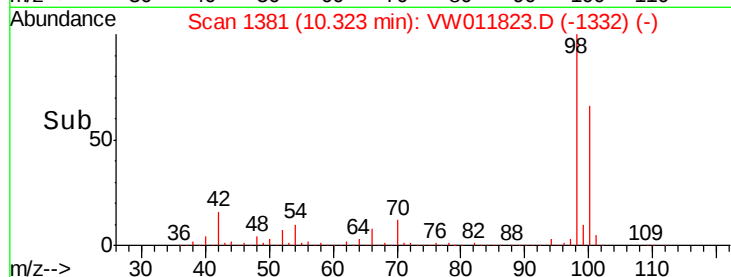
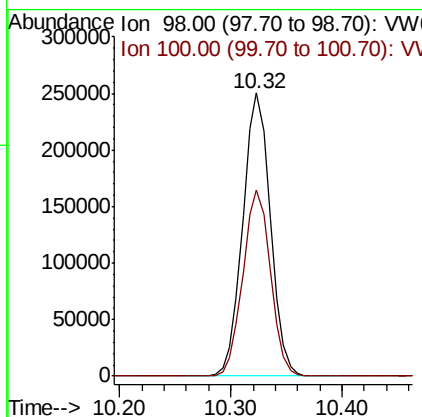
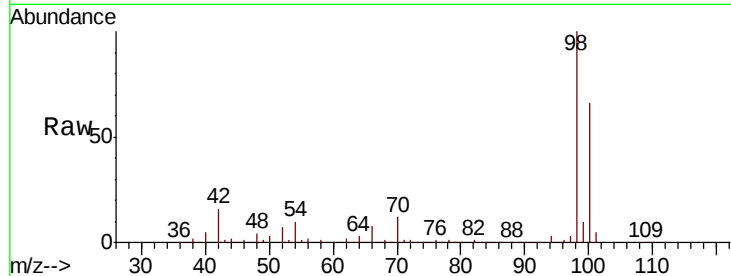




#50
Toluene-d8
Concen: 53.437 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW011823.D
Acq: 09 Aug 2019 20:52

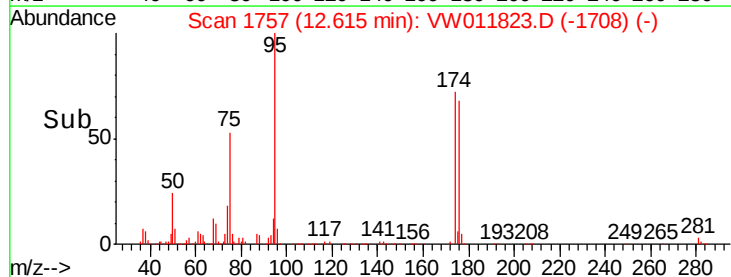
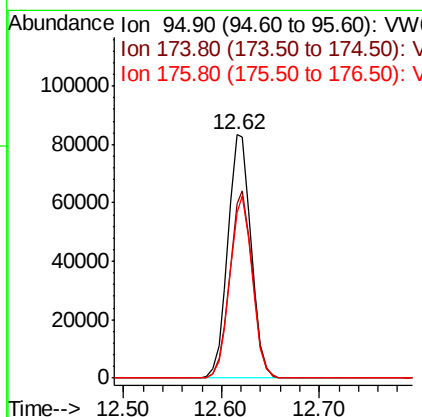
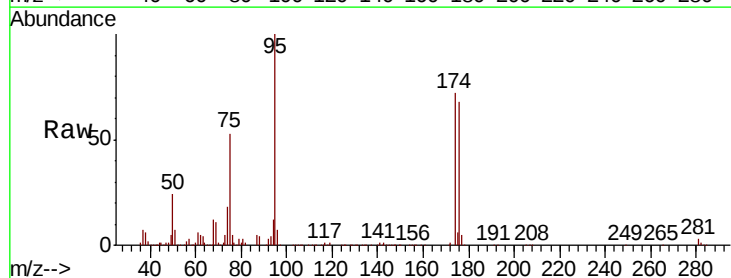
Instrument :
MSVOA_W
ClientSampled :
1S-J(1)

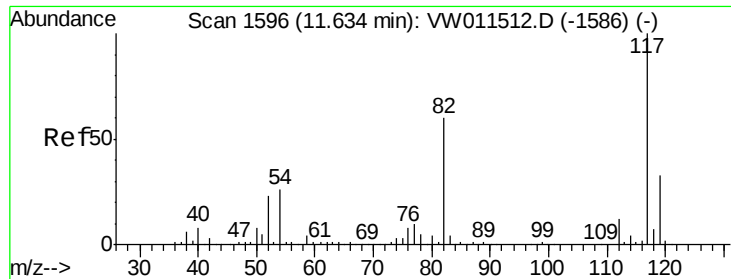
Tgt Ion: 98 Resp: 430861
Ion Ratio Lower Upper
98 100
100 65.8 52.7 79.1



#62
4-Bromofluorobenzene
Concen: 47.570 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW011823.D
Acq: 09 Aug 2019 20:52

Tgt Ion: 95 Resp: 136745
Ion Ratio Lower Upper
95 100
174 75.2 0.0 150.2
176 72.1 0.0 144.4

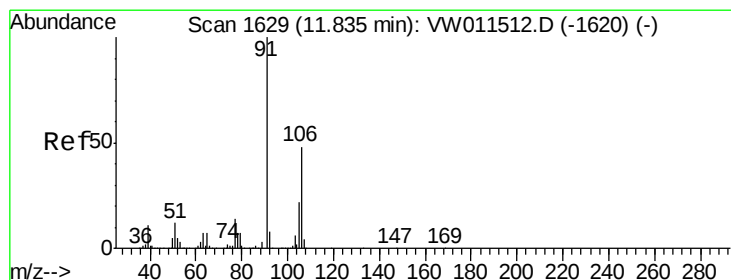
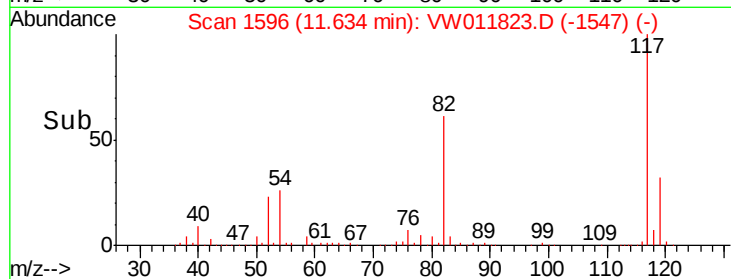
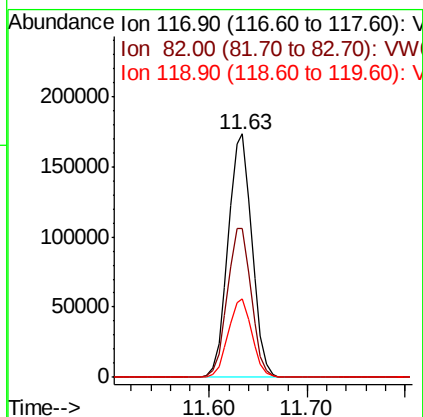
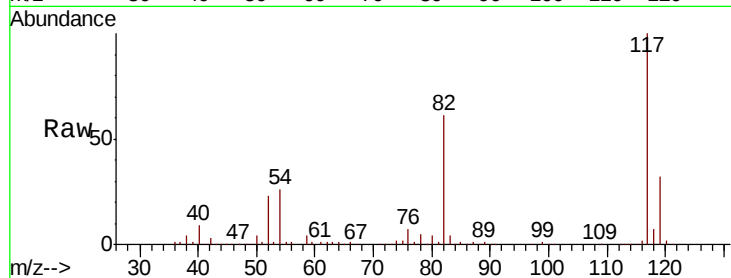




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW011823.D
Acq: 09 Aug 2019 20:52

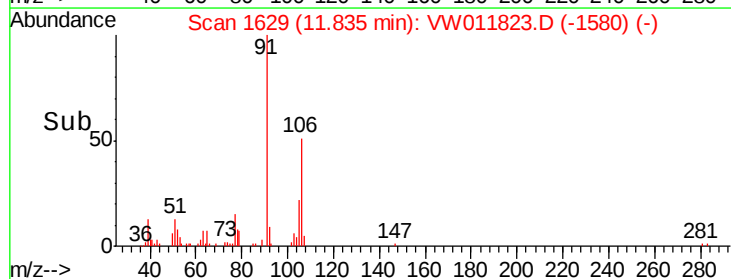
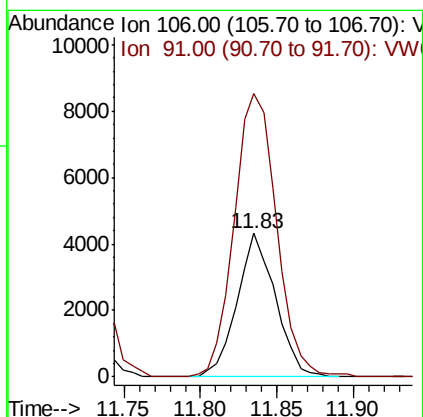
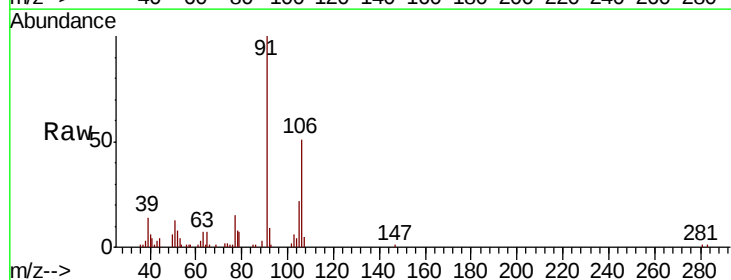
Instrument :
MSVOA_W
ClientSampled :
1S-J(1)

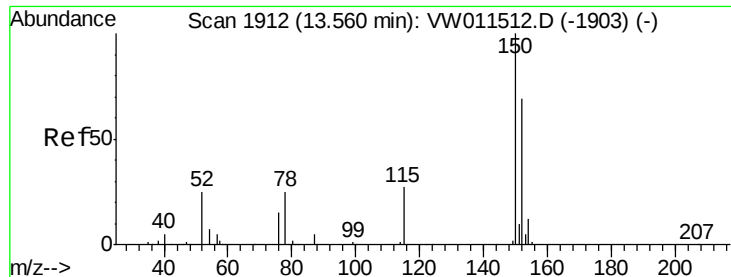
Tgt Ion	Ratio	Lower	Upper
117	100		
82	61.1	47.9	71.9
119	32.4	26.2	39.2



#68
m/p-Xylenes
Concen: 1.851 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VW011823.D
Acq: 09 Aug 2019 20:52

Tgt Ion	Ratio	Lower	Upper
106	100		
91	217.9	168.2	252.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW011823.D

Acq: 09 Aug 2019 20:52

Instrument :

MSVOA_W

ClientSampleId :

1S-J(1)

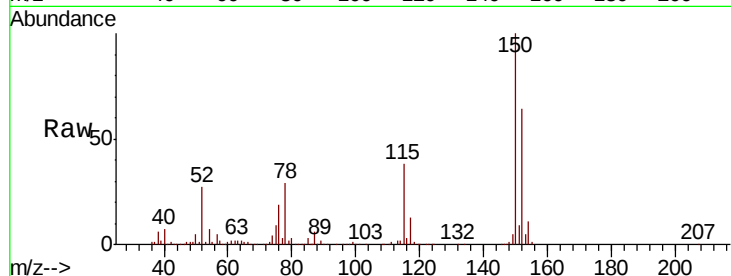
Tgt Ion:152 Resp: 115646

Ion Ratio Lower Upper

152 100

115 60.2 30.5 91.5

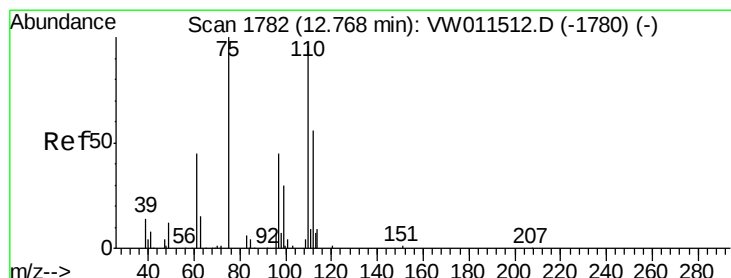
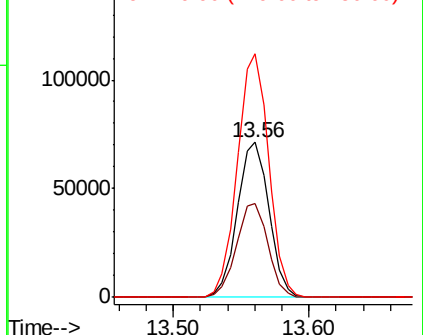
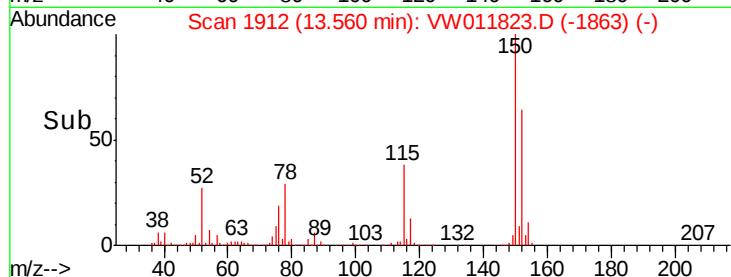
150 155.9 0.0 352.6



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: 59.551 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011823.D

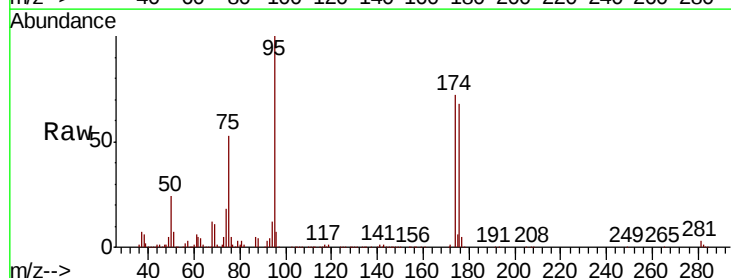
Acq: 09 Aug 2019 20:52

Tgt Ion: 75 Resp: 72871

Ion Ratio Lower Upper

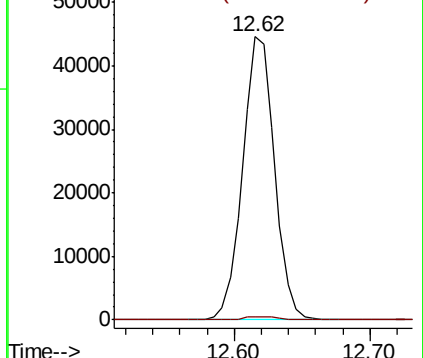
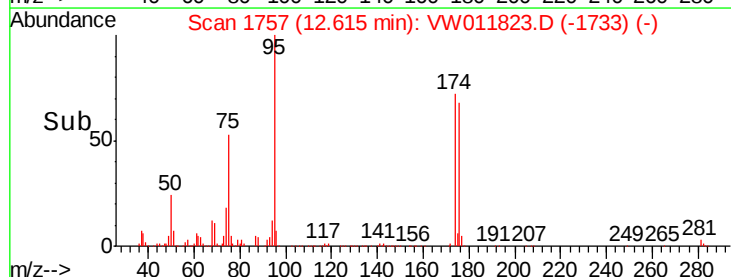
75 100

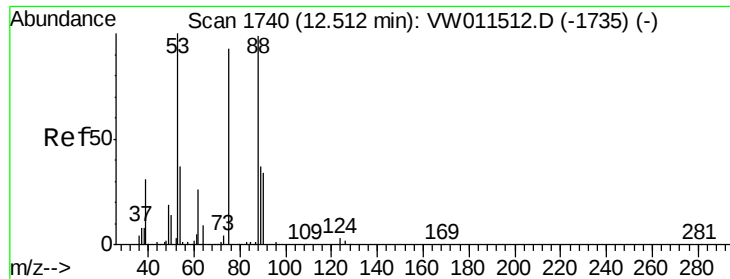
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

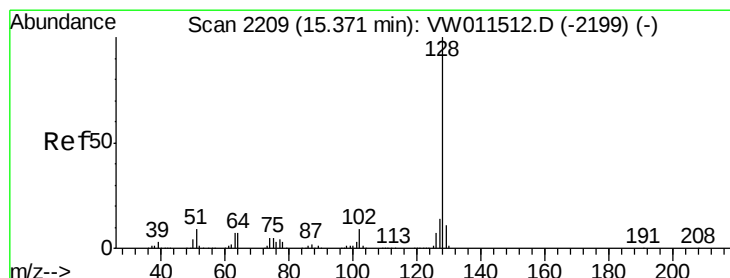
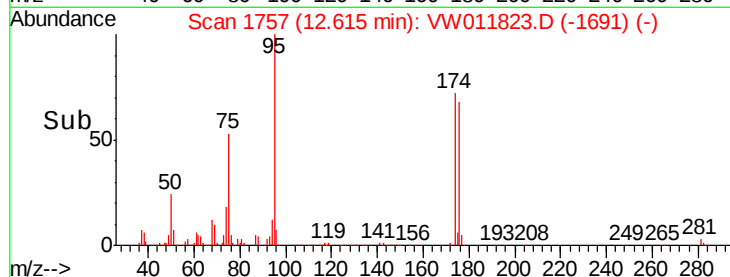
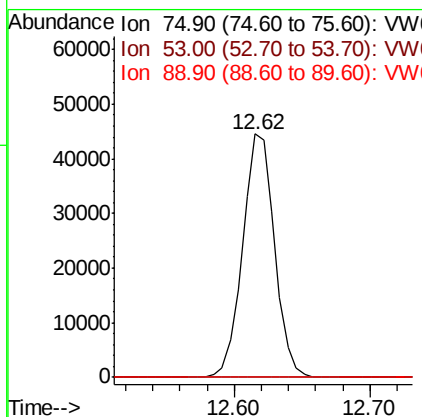
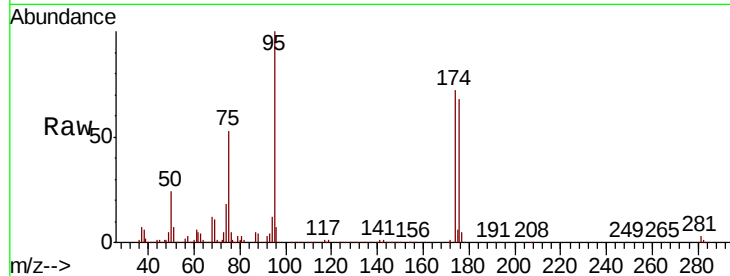




#81
trans-1,4-Dichloro-2-butene
Concen: 137.245 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW011823.D
Acq: 09 Aug 2019 20:52

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

Tgt Ion: 75 Resp: 72871
Ion Ratio Lower Upper
75 100
53 0.1 88.0 132.0#
89 0.0 35.3 52.9#



#95
Naphthalene
Concen: 2.139 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW011823.D
Acq: 09 Aug 2019 20:52

Tgt Ion: 128 Resp: 347
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.6 13.0#

