

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081219\
 Data File : VW011873.D
 Acq On : 13 Aug 2019 02:03
 Operator : SY/VA
 Sample : K4229-19
 Misc : 6.50G/5ML/MSVOA W/SOIL
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 13 09:25:03 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	243187	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	413093	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	338904	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	124394	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	162657	58.25	ug/l	0.00
Spiked Amount			Recovery	=	116.50%	
35) Dibromofluoromethane	7.88	113	127333	54.94	ug/l	0.00
Spiked Amount			Recovery	=	109.88%	
50) Toluene-d8	10.32	98	509549	53.70	ug/l	0.00
Spiked Amount			Recovery	=	107.40%	
62) 4-Bromofluorobenzene	12.62	95	155396	45.94	ug/l	0.00
Spiked Amount			Recovery	=	91.88%	

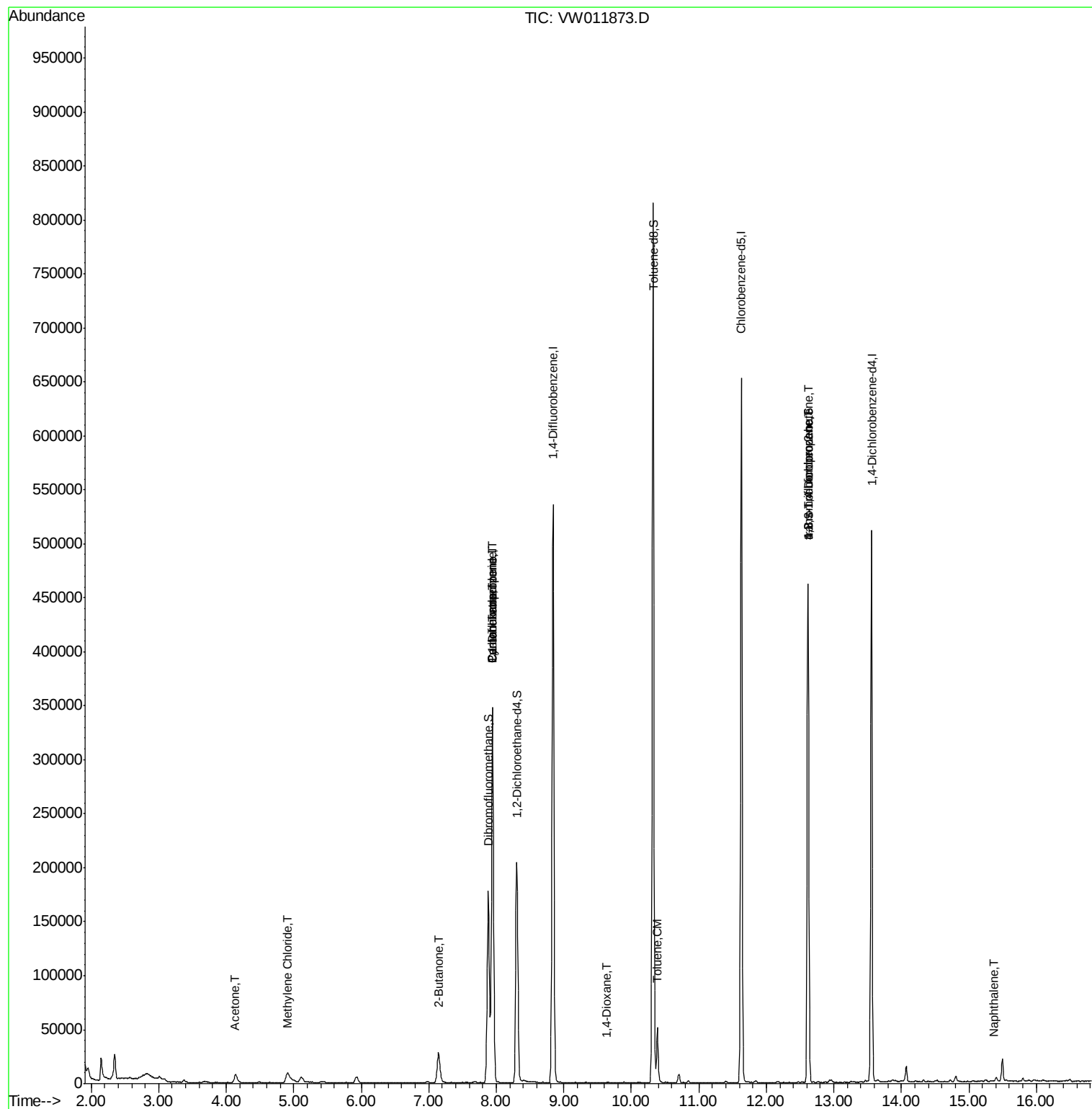
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.21	59	1019	Below Cal	#	93
16) Acetone	4.13	43	15547	17.502	ug/l #	89
20) Methylene Chloride	4.90	84	6208	2.026	ug/l	92
25) 2-Butanone	7.15	43	2038	1.753	ug/l #	85
31) Cyclohexane	7.94	56	6314	1.209	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	22183	5.164	ug/l #	51
38) Carbon Tetrachloride	7.95	117	24950	6.785	ug/l #	17
49) 1,4-Dioxane	9.62	88	43	2.021	ug/l #	15
52) Toluene	10.39	92	20213	2.782	ug/l	99
76) 1,2,3-Trichloropropane	12.62	75	82901	62.984	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	82901	145.155	ug/l #	6
95) Naphthalene	15.36	128	576	2.178	ug/l #	81

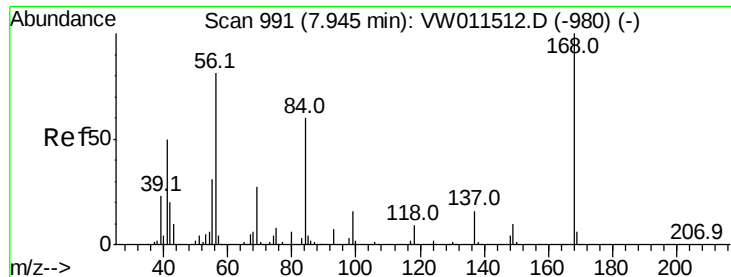
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW081219\
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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: VW011873.D

Acq: 13 Aug 2019 02:03

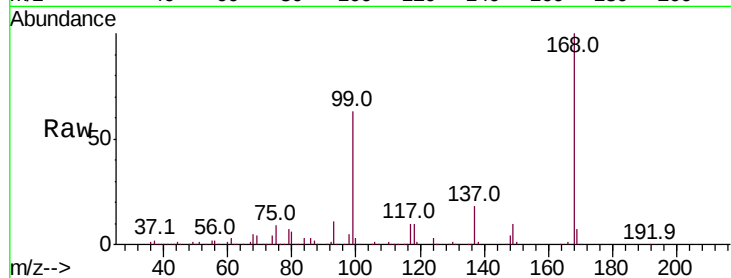
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 243187

Ion Ratio Lower Upper

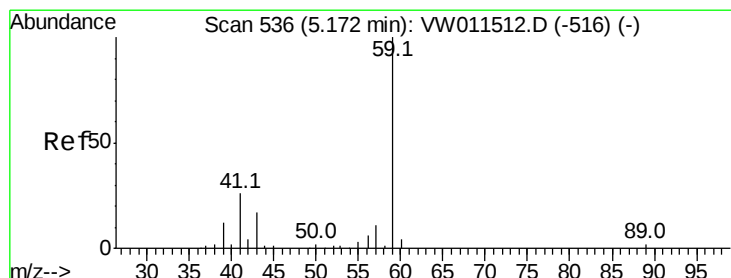
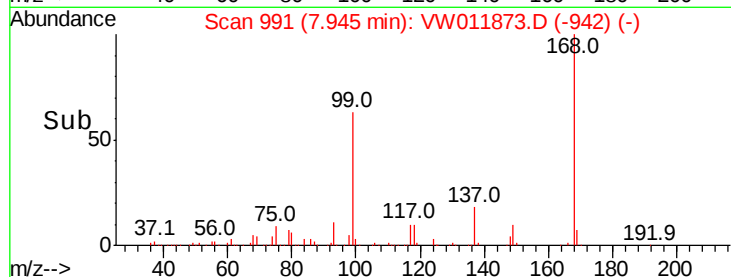
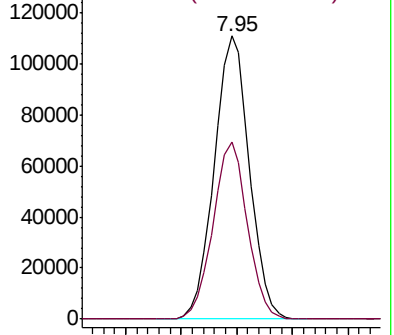
168 100

99 62.5 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: 5.21 min Scan# 543

Delta R.T. 0.04 min

Lab File: VW011873.D

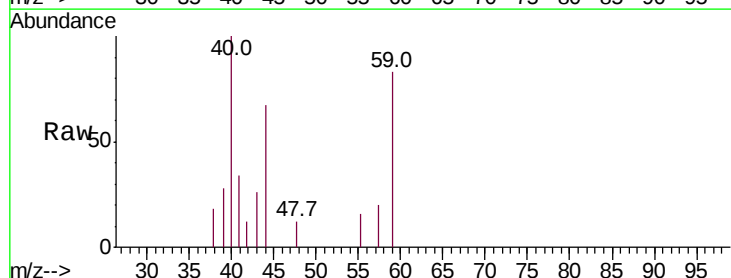
Acq: 13 Aug 2019 02:03

Tgt Ion: 59 Resp: 1019

Ion Ratio Lower Upper

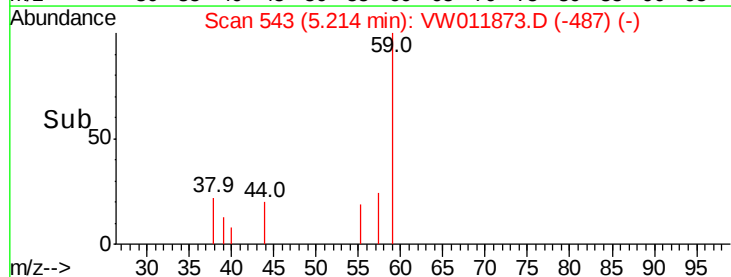
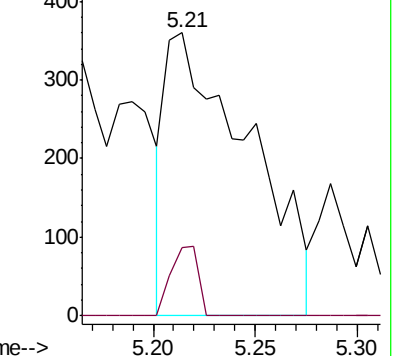
59 100

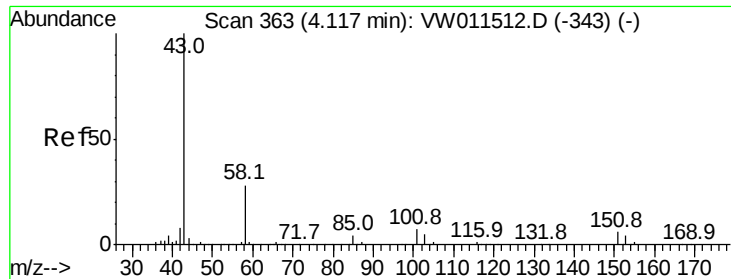
57 8.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 17.502 ug/l

RT: 4.13 min Scan# 366

Delta R.T. 0.02 min

Lab File: VW011873.D

Acq: 13 Aug 2019 02:03

Instrument :

MSVOA_W

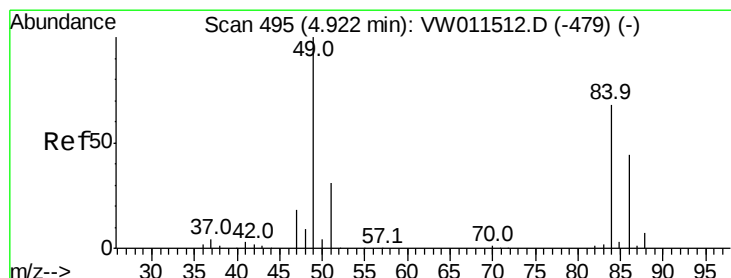
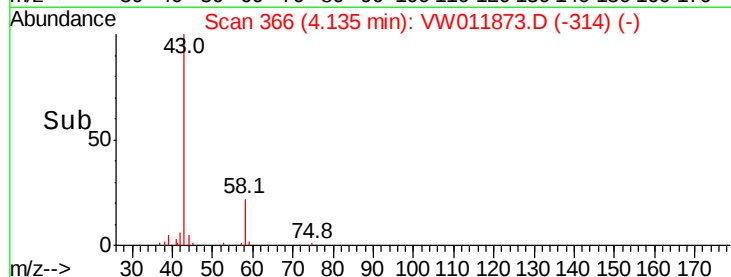
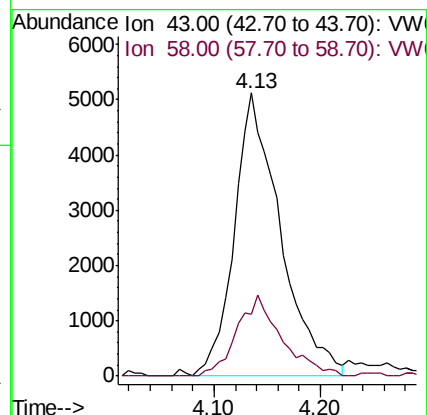
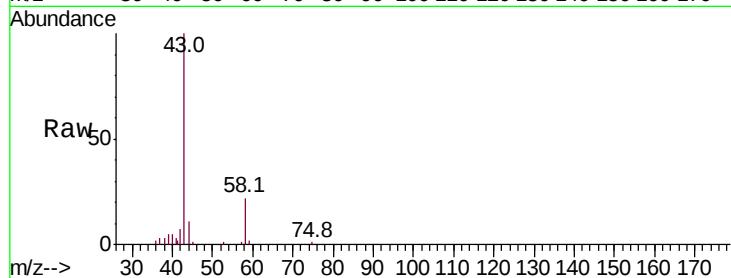
ClientSampleId :

Tot Ion: 43 Resp: 15547

Ion Ratio Lower Upper

43 100

58 21.9 22.3 33.5#



#20

Methylene Chloride

Concen: 2.026 ug/l

RT: 4.90 min Scan# 492

Delta R.T. -0.02 min

Lab File: VW011873.D

Acq: 13 Aug 2019 02:03

Tgt Ion: 84 Resp: 6208

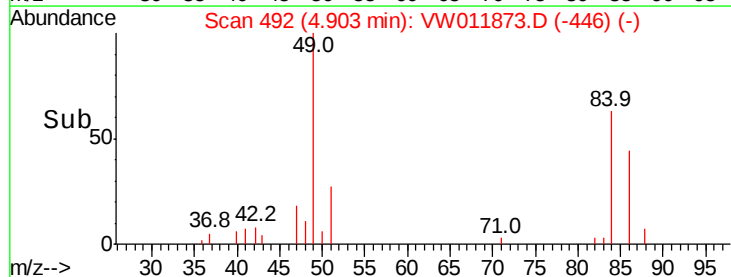
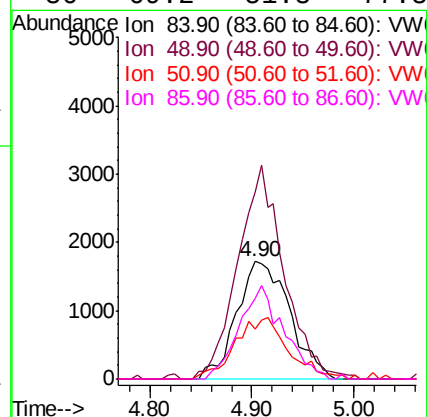
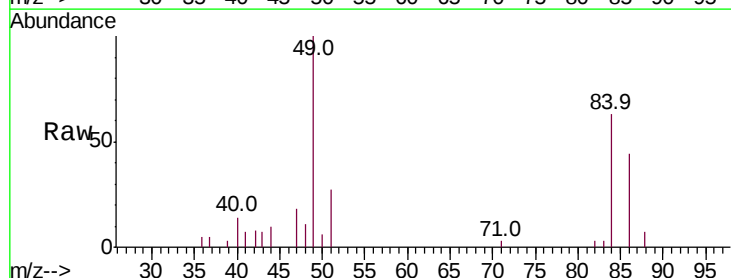
Ion Ratio Lower Upper

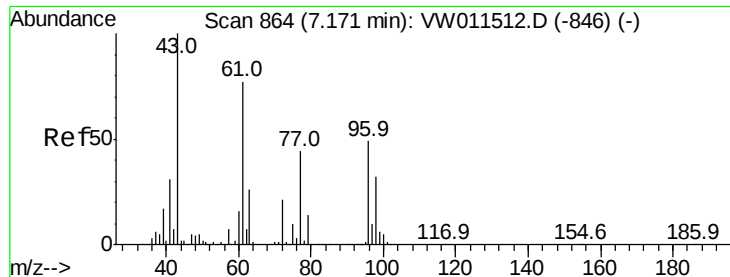
84 100

49 158.7 117.8 176.6

51 42.3 37.0 55.4

86 69.2 51.8 77.8

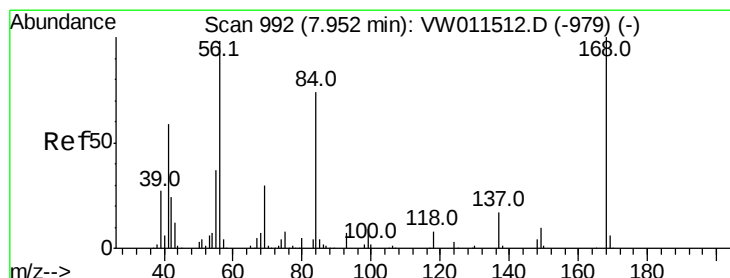
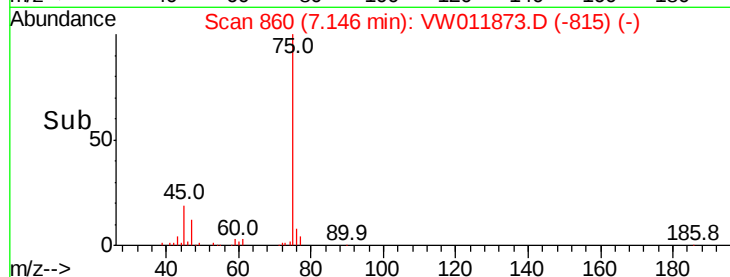
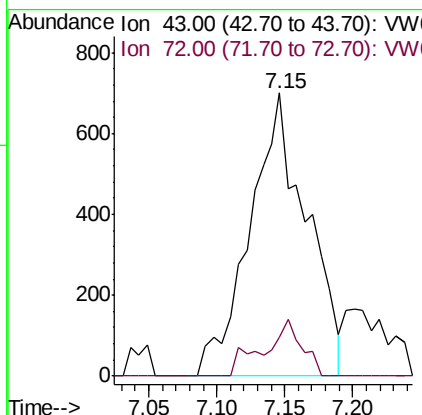
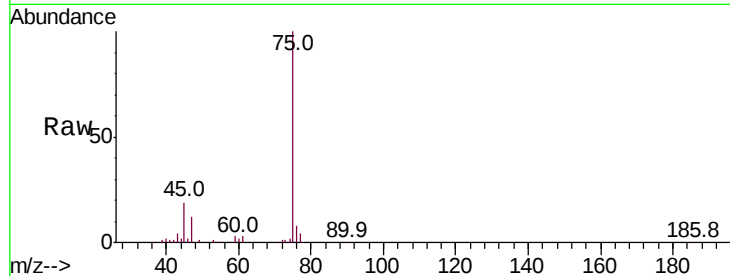




#25
2-Butanone
Concen: 1.753 ug/l
RT: 7.15 min Scan# 860
Delta R.T. -0.02 min
Lab File: VW011873.D
Acq: 13 Aug 2019 02:03

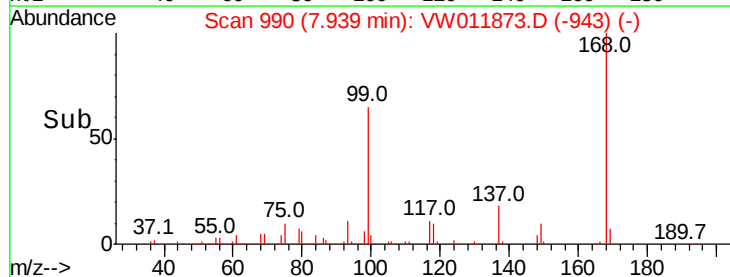
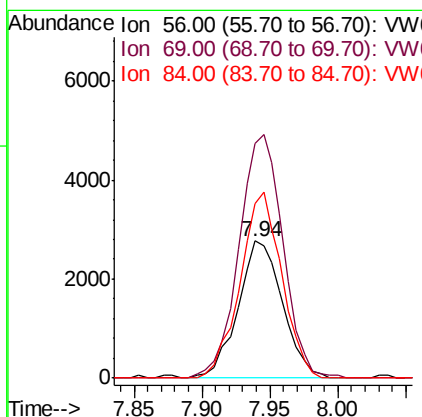
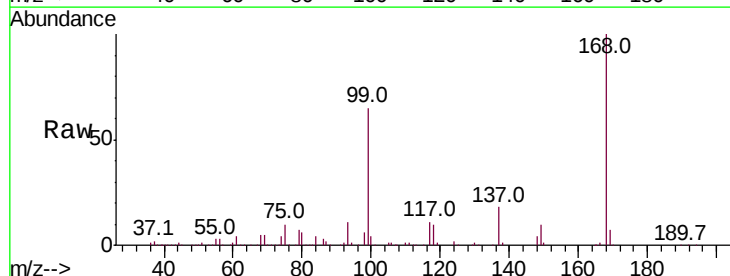
Instrument :
MSVOA_W
ClientSampled :

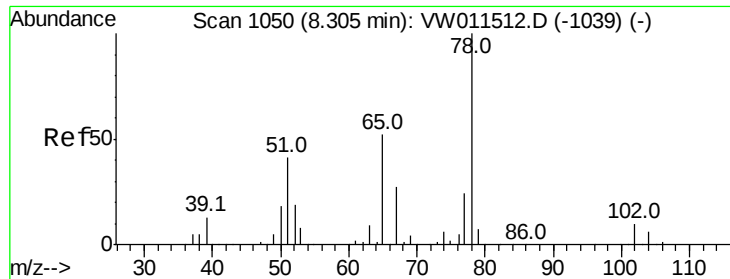
Tot Ion: 43 Resp: 2038
Ion Ratio Lower Upper
43 100
72 13.7 16.6 24.8#



#31
Cyclohexane
Concen: 1.209 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW011873.D
Acq: 13 Aug 2019 02:03

Tgt Ion: 56 Resp: 6314
Ion Ratio Lower Upper
56 100
69 171.1 24.3 36.5#
84 127.1 60.4 90.6#

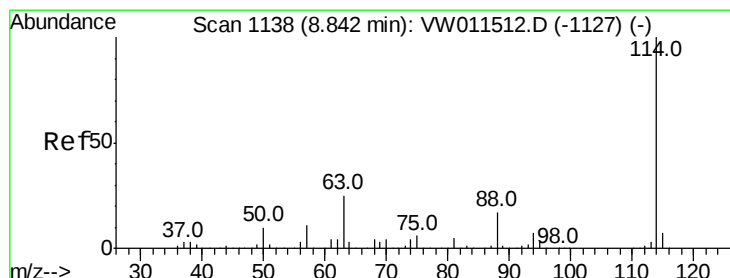
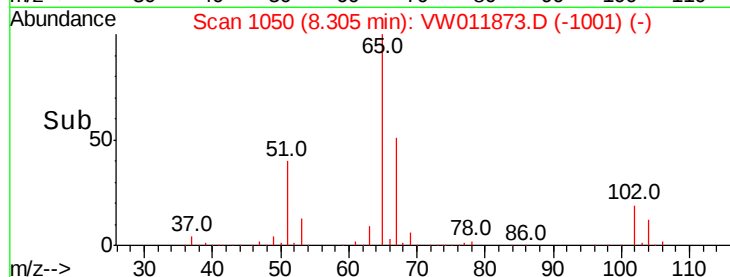
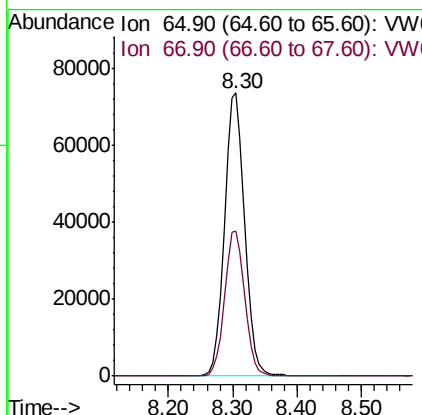
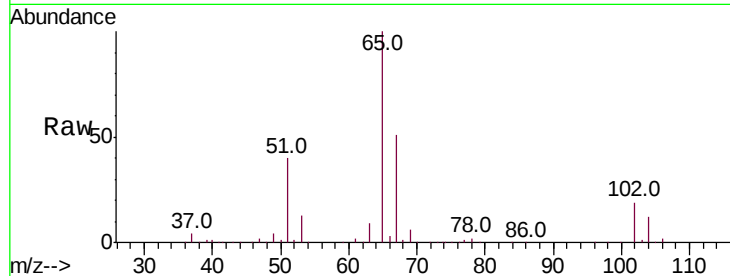




#33
 1,2-Dichloroethane-d4
 Concen: 58.249 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW011873.D
 Acq: 13 Aug 2019 02:03

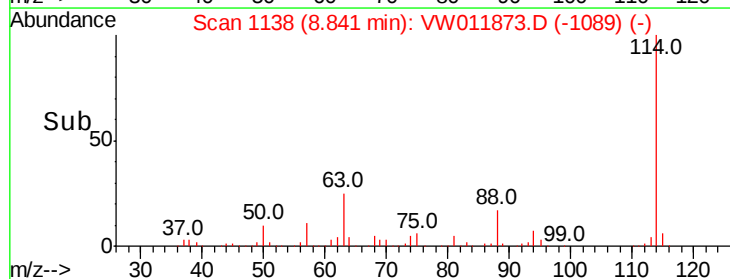
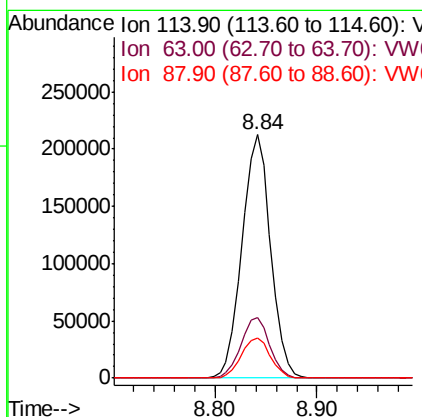
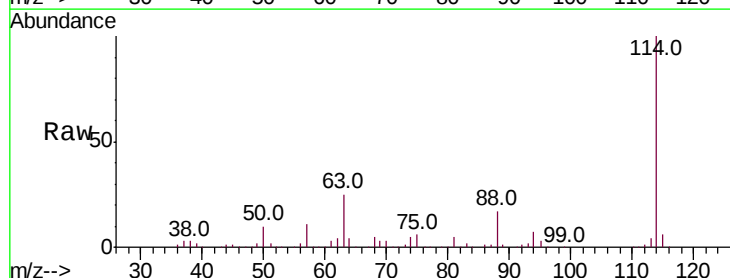
Instrument :
 MSVOA_W
 ClientSampled :

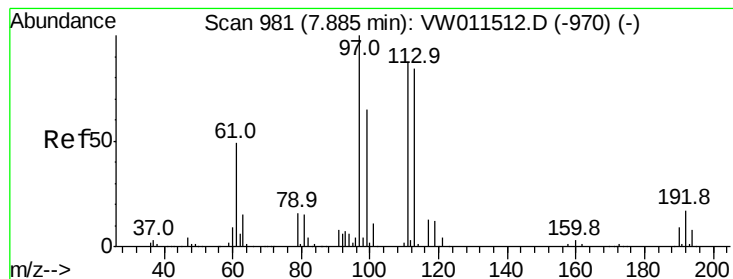
Tot Ion: 65 Resp: 162657
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011873.D
 Acq: 13 Aug 2019 02:03

Tgt Ion: 114 Resp: 413093
 Ion Ratio Lower Upper
 114 100
 63 24.7 0.0 49.2
 88 16.7 0.0 33.8





#35

Dibromofluoromethane

Concen: 54.944 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW011873.D

Acq: 13 Aug 2019 02:03

Instrument :
MSVOA_W
ClientSampleId :

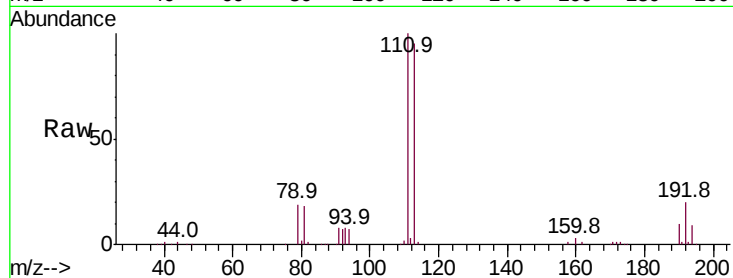
Tot Ion:113 Resp: 127333

Ion Ratio Lower Upper

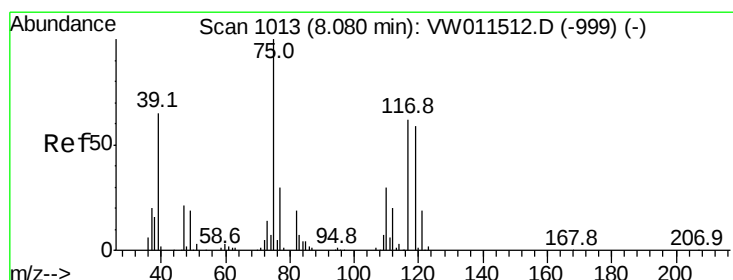
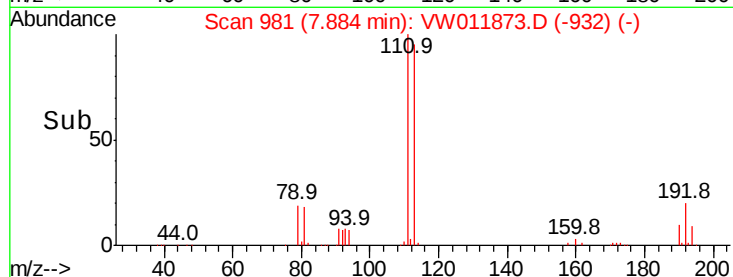
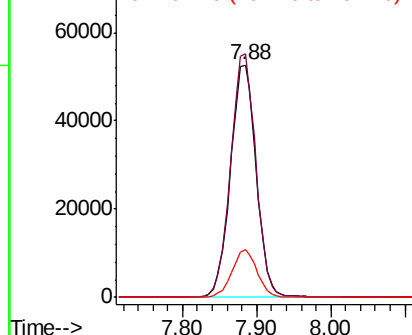
113 100

111 103.2 82.7 124.1

192 20.0 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: 5.164 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW011873.D

Acq: 13 Aug 2019 02:03

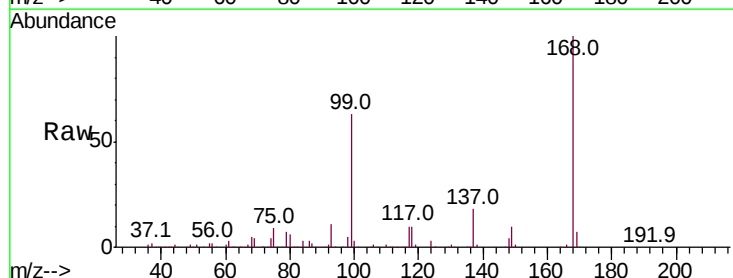
Tgt Ion: 75 Resp: 22183

Ion Ratio Lower Upper

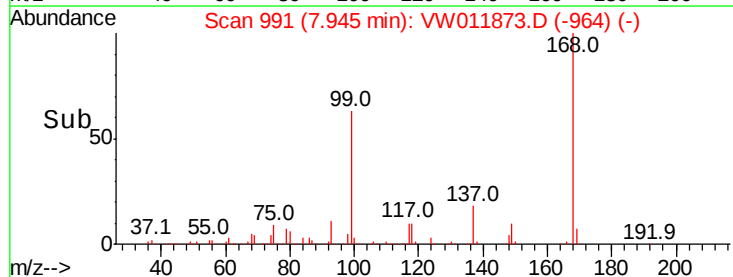
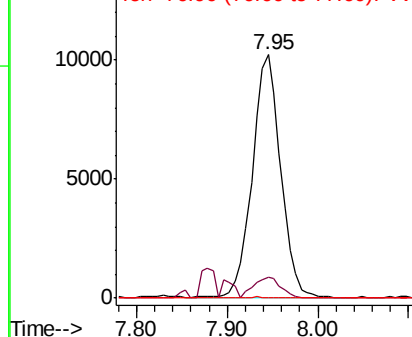
75 100

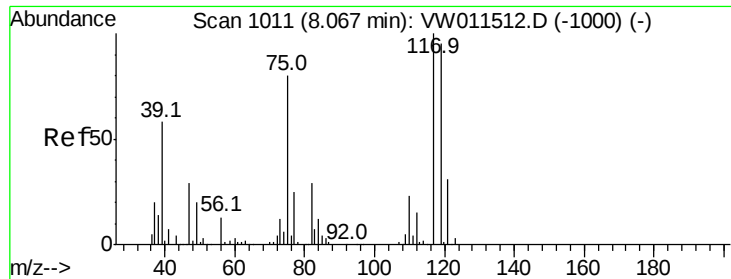
110 8.2 15.6 46.8#

77 0.0 24.3 36.5#



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VW

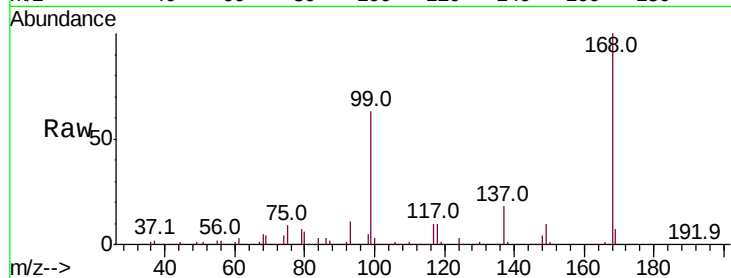




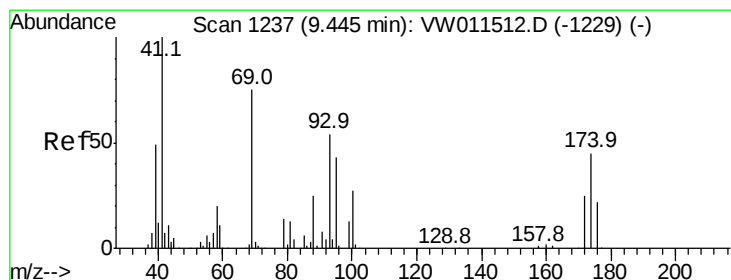
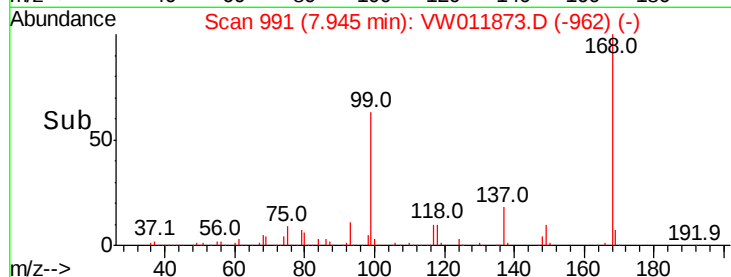
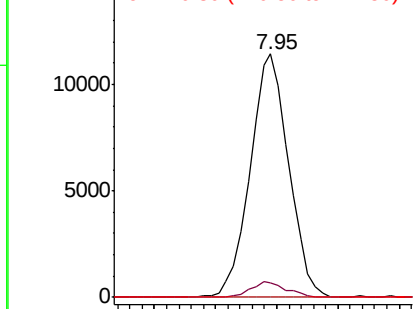
#38
Carbon Tetrachloride
Concen: 6.785 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW011873.D
Acq: 13 Aug 2019 02:03

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:117 Resp: 24950
Ion Ratio Lower Upper
117 100
119 5.7 75.8 113.6#
121 0.0 24.7 37.1#

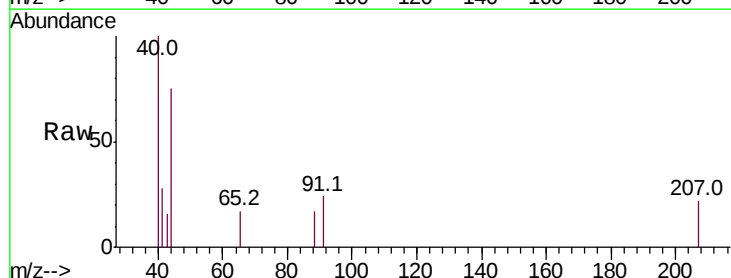


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

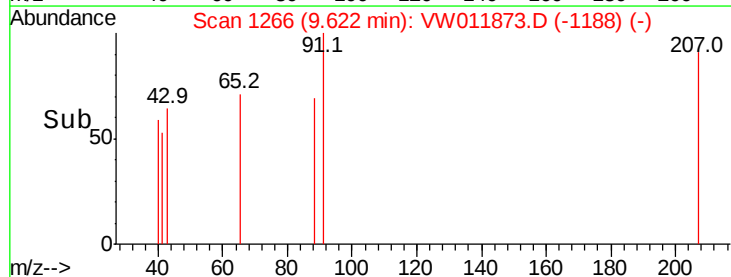
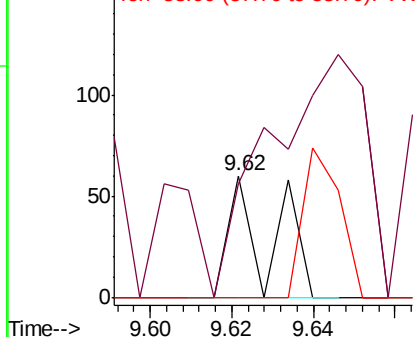


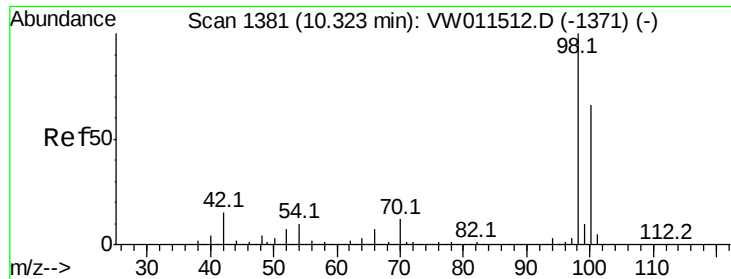
#49
1,4-Dioxane
Concen: 2.021 ug/l
RT: 9.62 min Scan# 1266
Delta R.T. 0.18 min
Lab File: VW011873.D
Acq: 13 Aug 2019 02:03

Tgt Ion: 88 Resp: 43
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: 53.701 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW011873.D

Acq: 13 Aug 2019 02:03

Instrument :

MSVOA_W

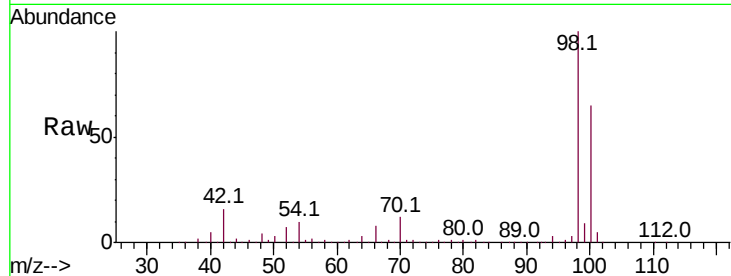
ClientSampleId :

Tot Ion: 98 Resp: 509549

Ion Ratio Lower Upper

98 100

100 65.1 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

10.32

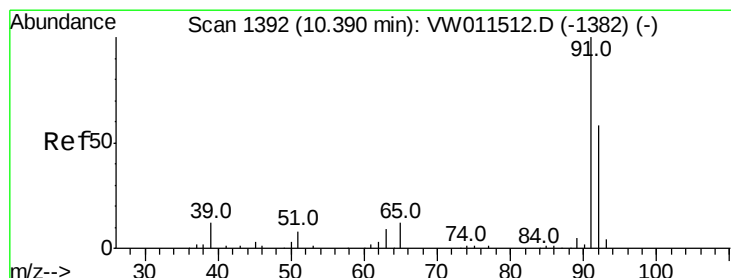
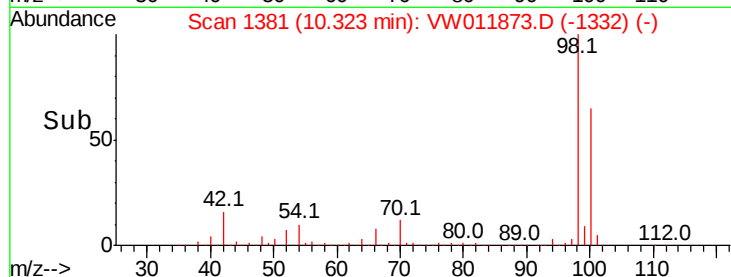
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 2.782 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW011873.D

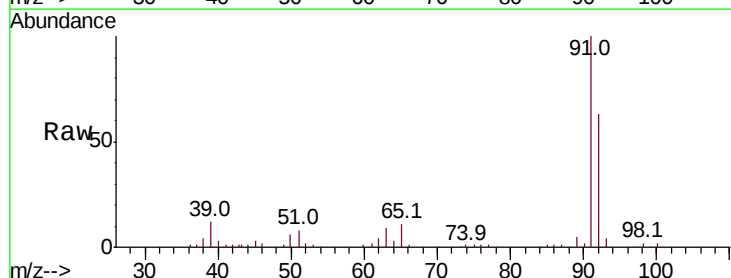
Acq: 13 Aug 2019 02:03

Tgt Ion: 92 Resp: 20213

Ion Ratio Lower Upper

92 100

91 172.1 136.7 205.1



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

10.39

20000

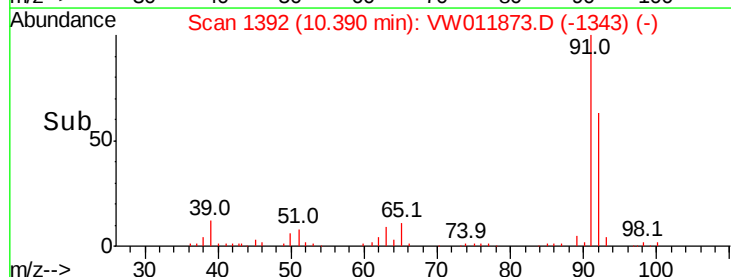
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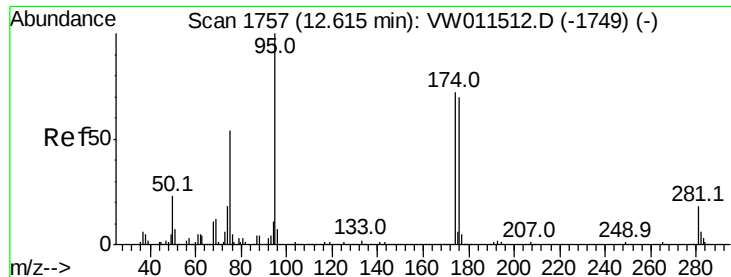
10000

5000

0

Time-->

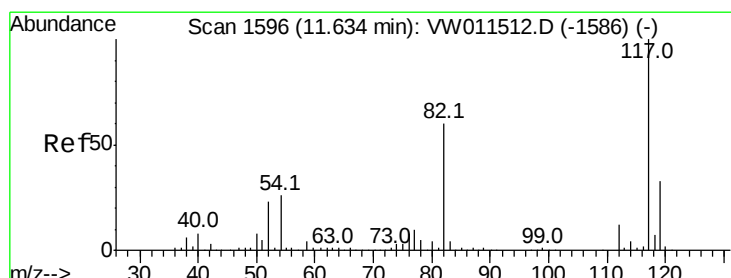
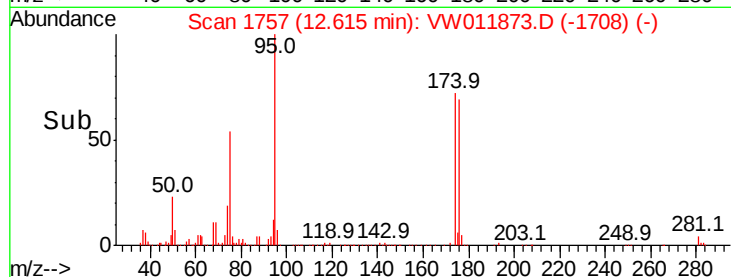
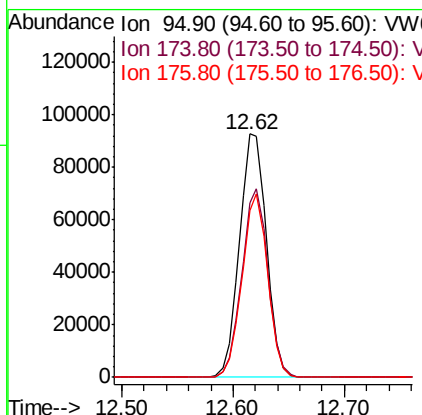
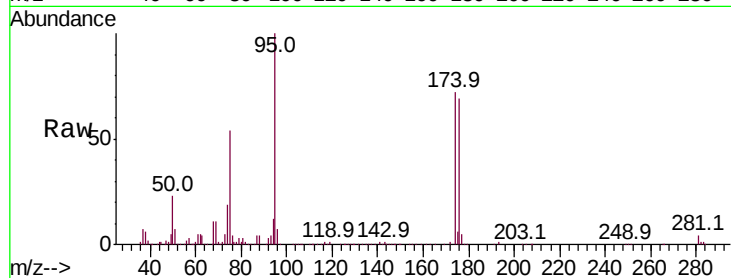




#62
4-Bromofluorobenzene
Concen: 45.936 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW011873.D
Acq: 13 Aug 2019 02:03

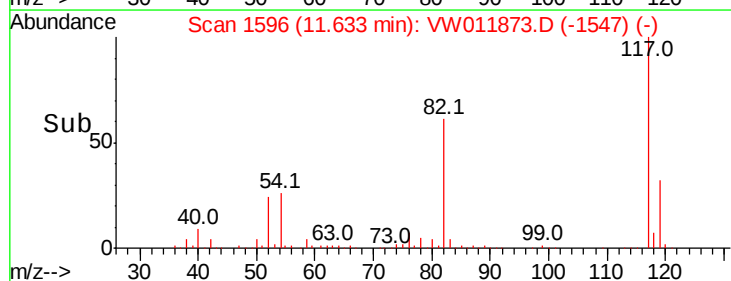
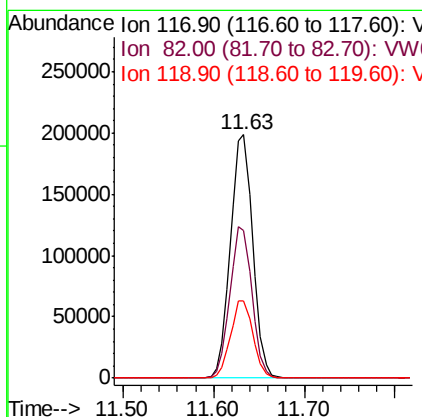
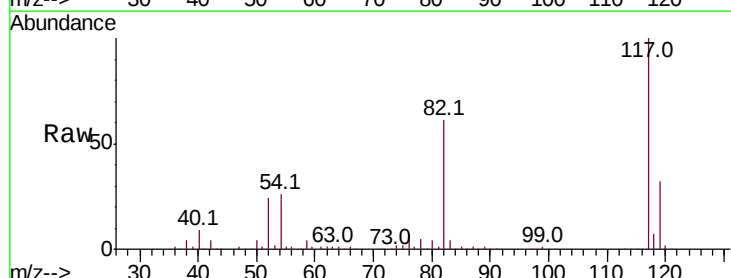
Instrument :
MSVOA_W
ClientSampleId :

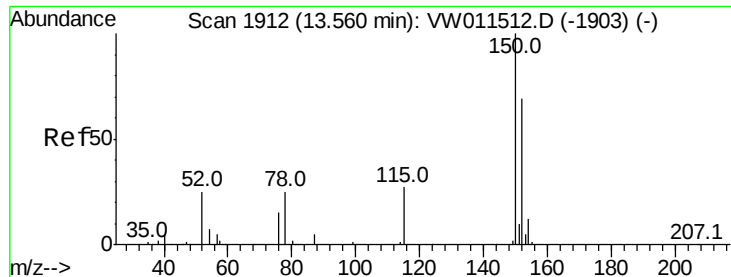
Tot Ion: 95 Resp: 155396
Ion Ratio Lower Upper
95 100
174 75.2 0.0 150.2
176 71.9 0.0 144.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW011873.D
Acq: 13 Aug 2019 02:03

Tgt Ion: 117 Resp: 338904
Ion Ratio Lower Upper
117 100
82 60.6 47.9 71.9
119 31.8 26.2 39.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW011873.D

Acq: 13 Aug 2019 02:03

Instrument :

MSVOA_W

ClientSampleId :

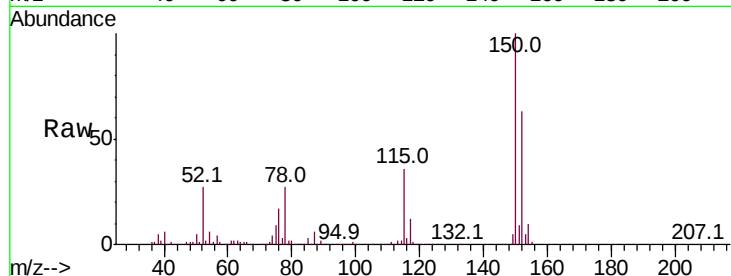
Tot Ion:152 Resp: 124394

Ion Ratio Lower Upper

152 100

115 59.8 30.5 91.5

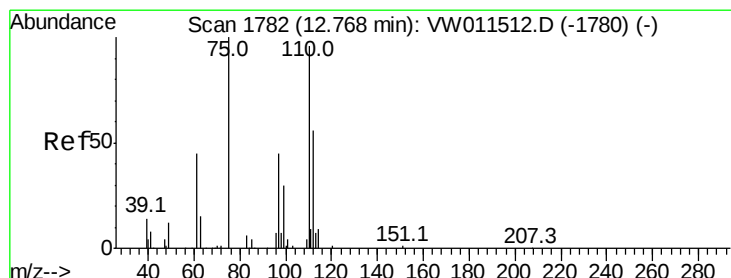
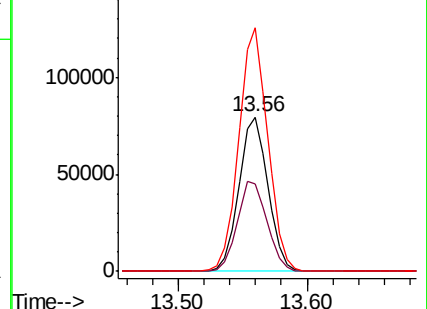
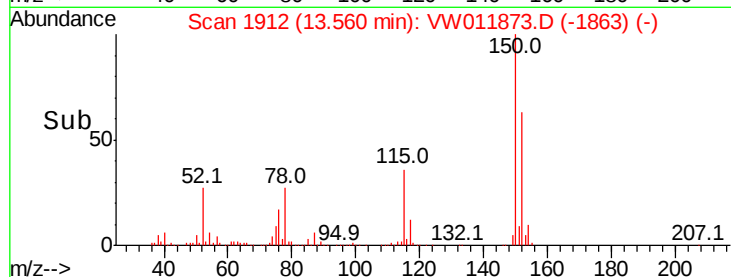
150 156.8 0.0 352.6



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: 62.984 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011873.D

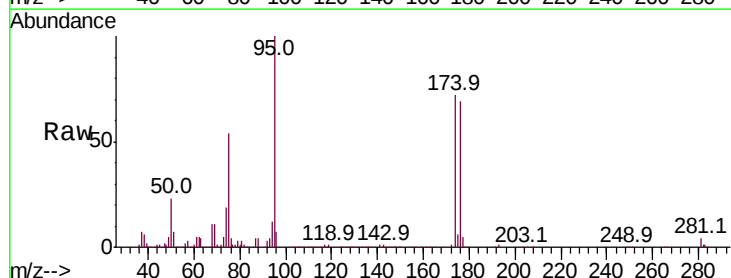
Acq: 13 Aug 2019 02:03

Tgt Ion: 75 Resp: 82901

Ion Ratio Lower Upper

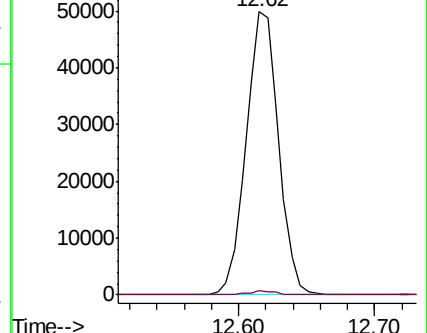
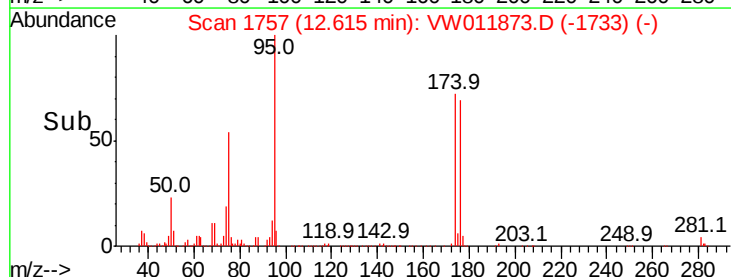
75 100

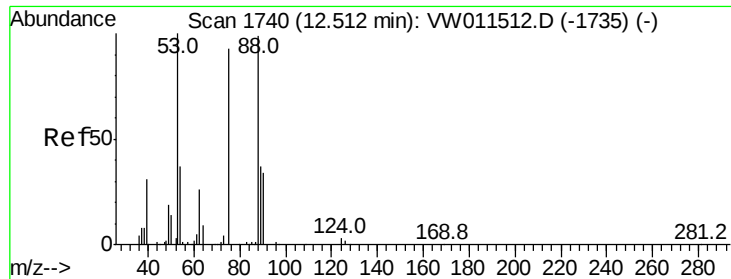
77 1.3 0.0 0.0#



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: 145.155 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011873.D

Acq: 13 Aug 2019 02:03

Instrument :

MSVOA_W

ClientSampleId :

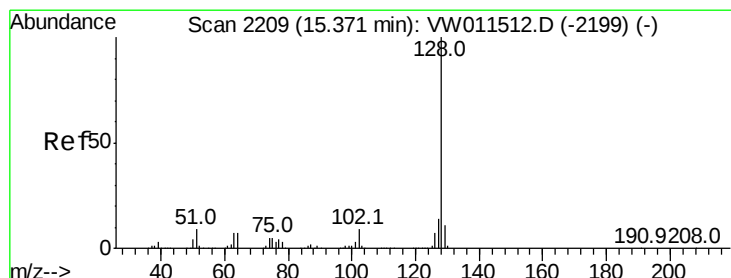
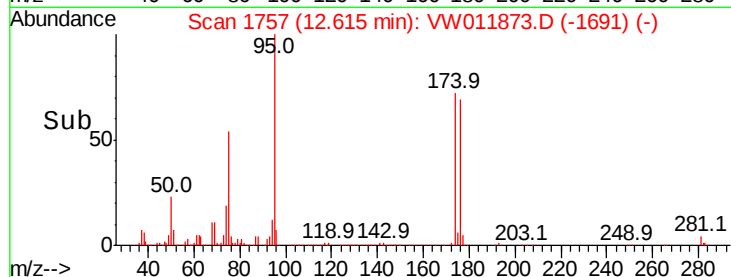
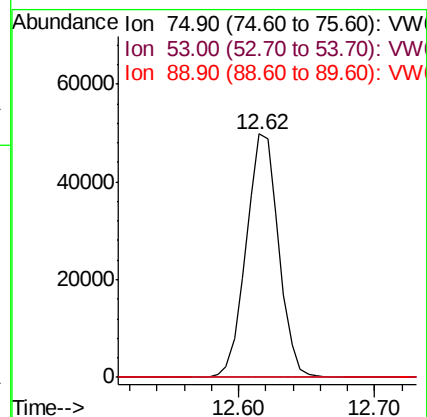
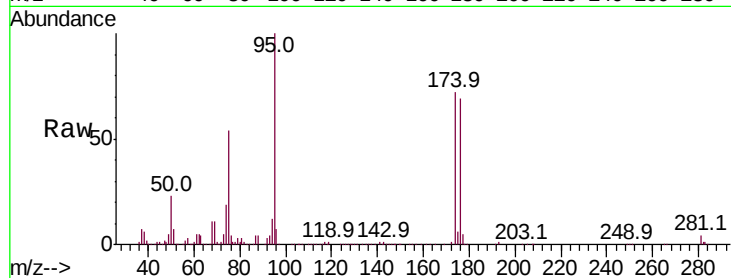
Tot Ion: 75 Resp: 82901

Ion Ratio Lower Upper

75 100

53 0.1 88.0 132.0#

89 0.0 35.3 52.9#



#95

Naphthalene

Concen: 2.178 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW011873.D

Acq: 13 Aug 2019 02:03

Tgt Ion: 128 Resp: 576

Ion Ratio Lower Upper

128 100

127 9.0 10.6 16.0#

129 0.0 8.6 13.0#

