

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081219\
 Data File : VW011843.D
 Acq On : 12 Aug 2019 11:24
 Operator : SY/VA
 Sample : K4264-22
 Misc : 6.01G/5ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 13 07:44:35 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	208689	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	344464	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	278256	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	107938	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	132250	55.19	ug/l	0.00
Spiked Amount			Recovery	=	110.38%	
35) Dibromofluoromethane	7.88	113	105920	54.81	ug/l	0.00
Spiked Amount			Recovery	=	109.62%	
50) Toluene-d8	10.32	98	422074	53.34	ug/l	0.00
Spiked Amount			Recovery	=	106.68%	
62) 4-Bromofluorobenzene	12.62	95	128883	45.69	ug/l	0.00
Spiked Amount			Recovery	=	91.38%	

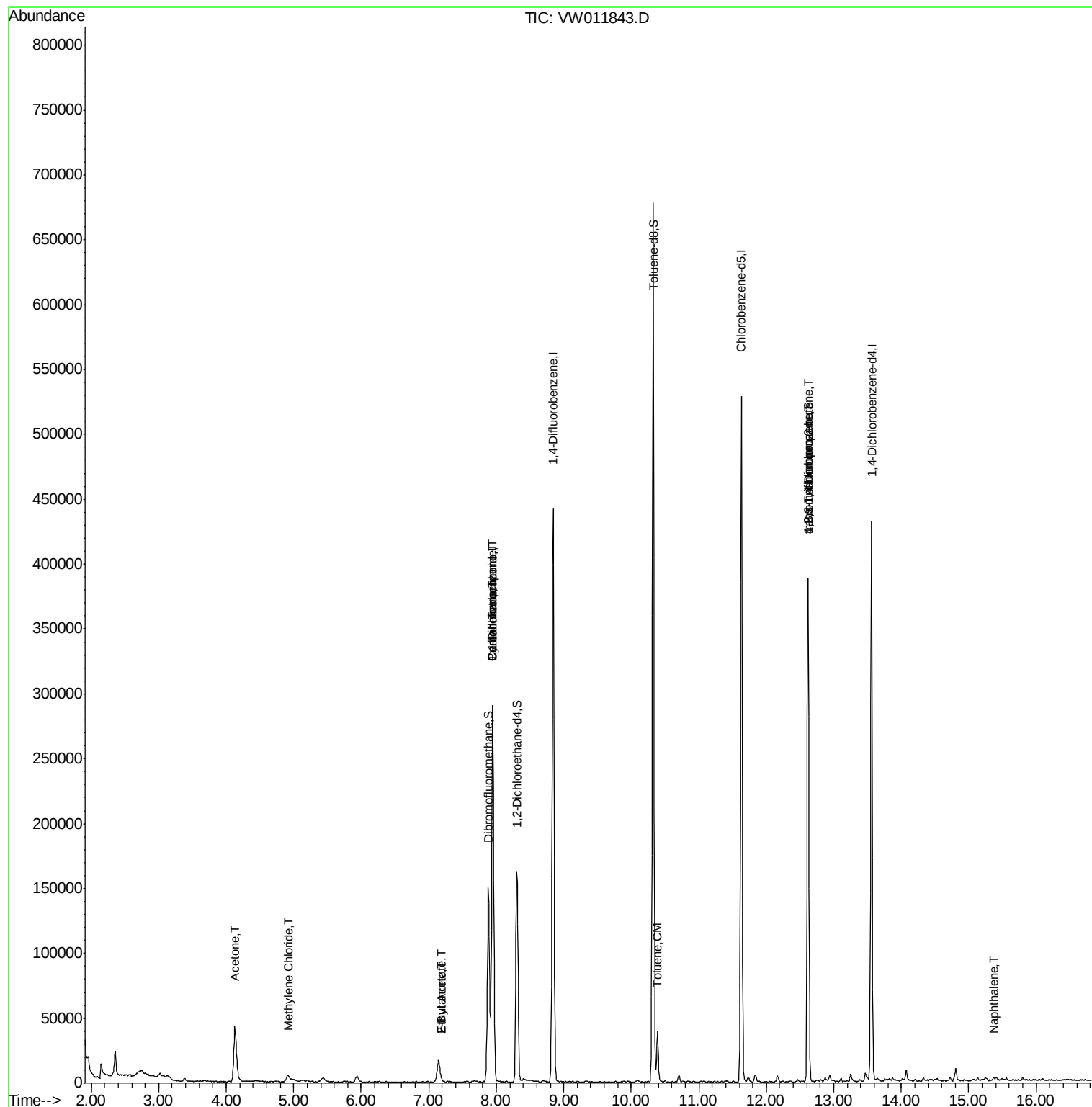
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.20	59	1220	Below Cal	#	92
16) Acetone	4.13	43	81653	107.119	ug/l	98
20) Methylene Chloride	4.92	84	3686	1.402	ug/l	93
25) 2-Butanone	7.19	43	2840	2.847	ug/l #	74
31) Cyclohexane	7.95	56	5463	1.219	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	18365	5.127	ug/l #	52
37) Ethyl Acetate	7.19	43	2840	1.378	ug/l #	73
38) Carbon Tetrachloride	7.95	117	20555	6.704	ug/l #	17
52) Toluene	10.39	92	15728	2.596	ug/l	100
76) 1,2,3-Trichloropropane	12.62	75	69313	60.689	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	69313	139.866	ug/l #	6
95) Naphthalene	15.37	128	1876	2.488	ug/l #	94

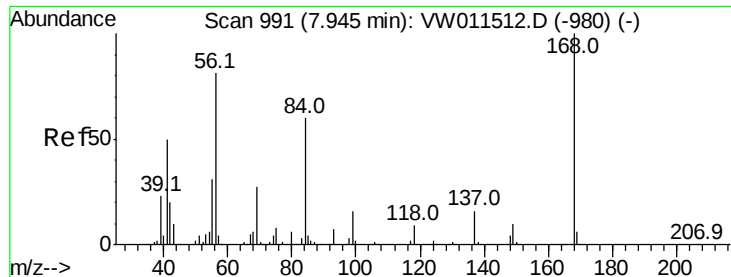
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW011843.D

Acq: 12 Aug 2019 11:24

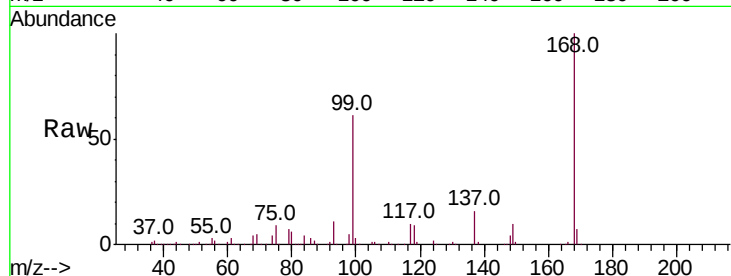
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 208689

Ion Ratio Lower Upper

168 100

99 60.9 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

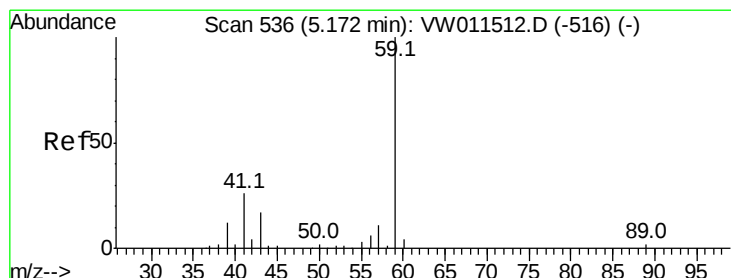
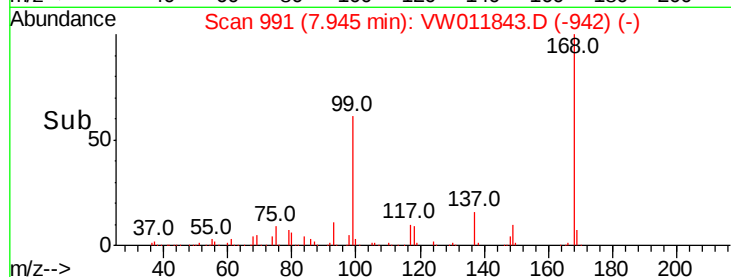
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.20 min Scan# 540

Delta R.T. 0.02 min

Lab File: VW011843.D

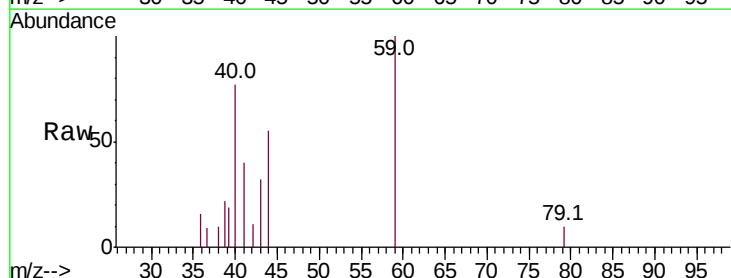
Acq: 12 Aug 2019 11:24

Tgt Ion: 59 Resp: 1220

Ion Ratio Lower Upper

59 100

57 7.5 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.20

600

500

400

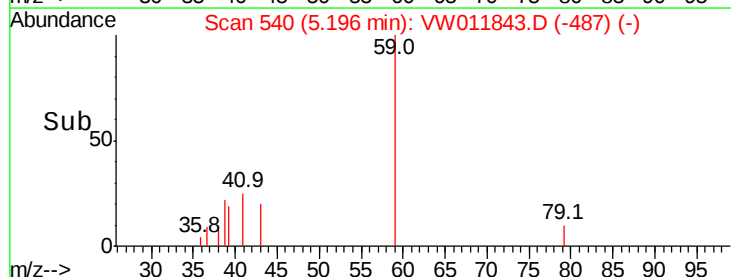
300

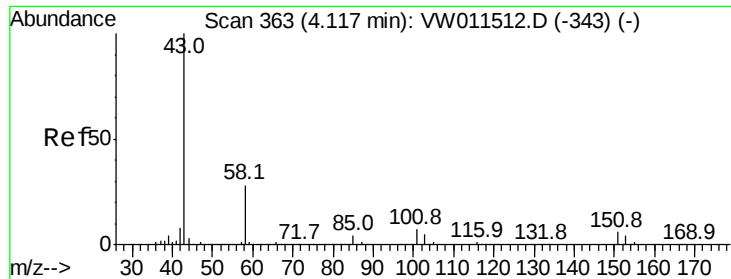
200

100

0

Time--> 5.15 5.20 5.25

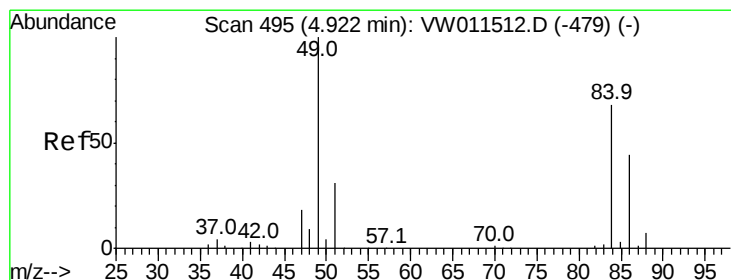
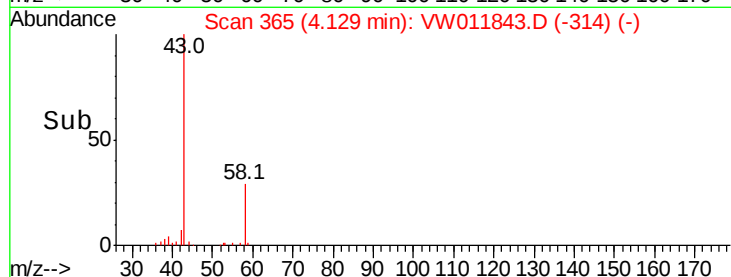
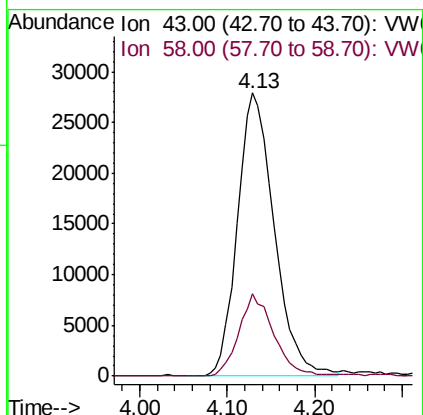
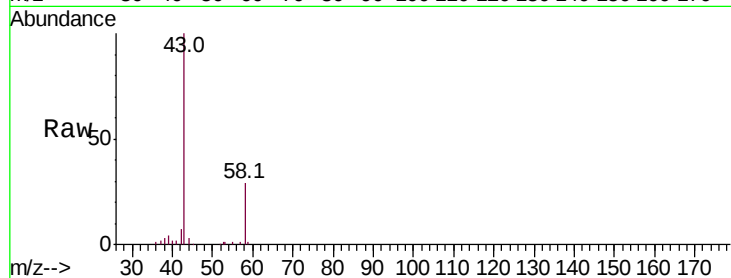




#16
Acetone
Concen: 107.119 ug/l
RT: 4.13 min Scan# 365
Delta R.T. 0.01 min
Lab File: VW011843.D
Acq: 12 Aug 2019 11:24

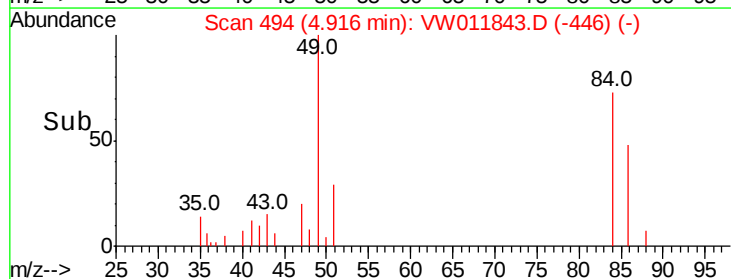
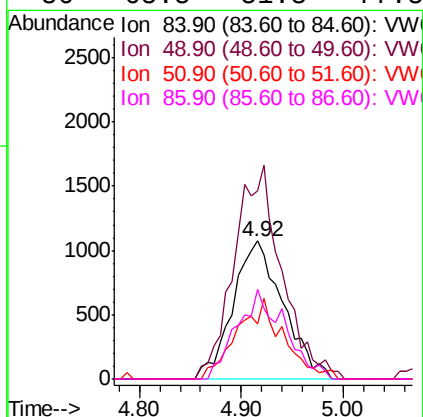
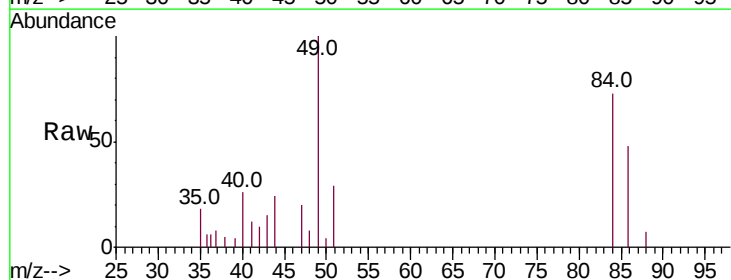
Instrument :
MSVOA_W
ClientSampleId :

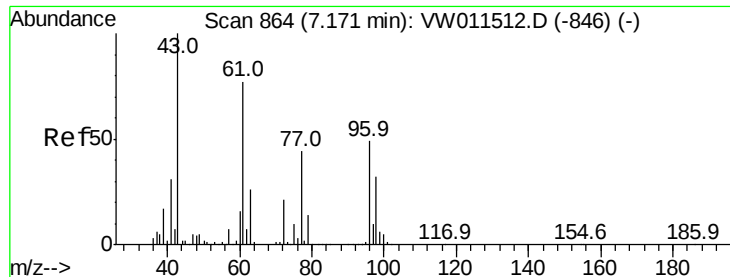
Tot Ion: 43 Resp: 81653
Ion Ratio Lower Upper
43 100
58 29.0 22.3 33.5



#20
Methylene Chloride
Concen: 1.402 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW011843.D
Acq: 12 Aug 2019 11:24

Tgt Ion: 84 Resp: 3686
Ion Ratio Lower Upper
84 100
49 136.7 117.8 176.6
51 39.9 37.0 55.4
86 65.5 51.8 77.8

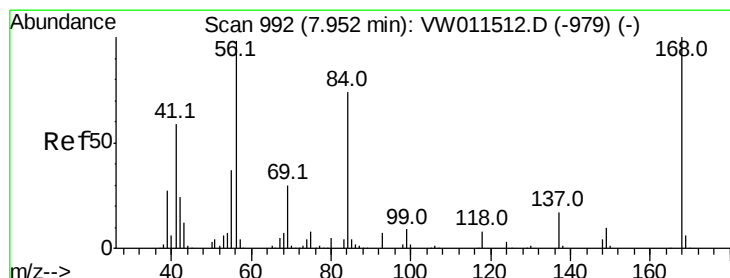
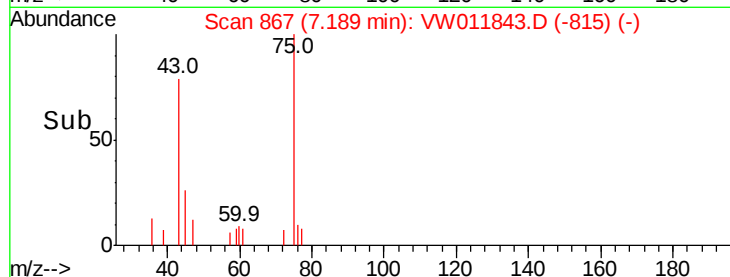
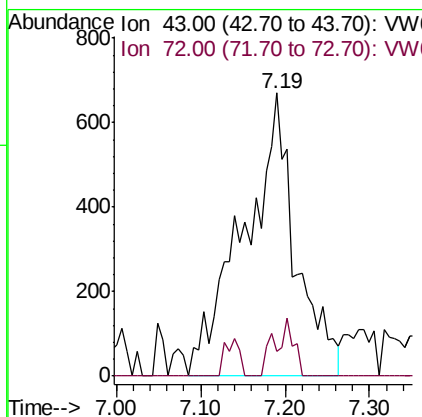
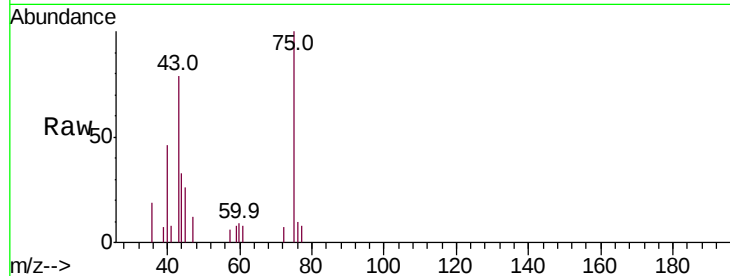




#25
2-Butanone
Concen: 2.847 ug/l
RT: 7.19 min Scan# 867
Delta R.T. 0.02 min
Lab File: VW011843.D
Acq: 12 Aug 2019 11:24

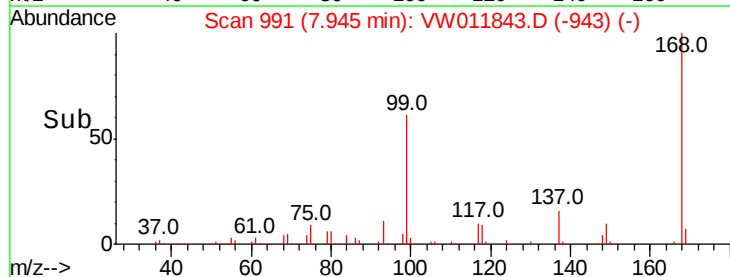
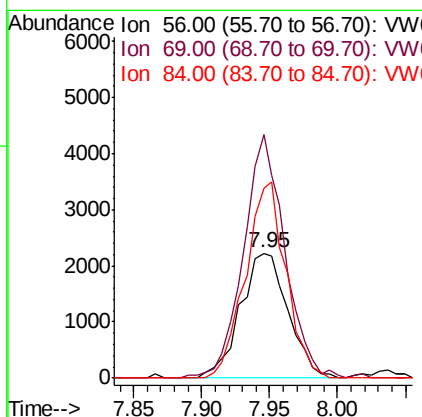
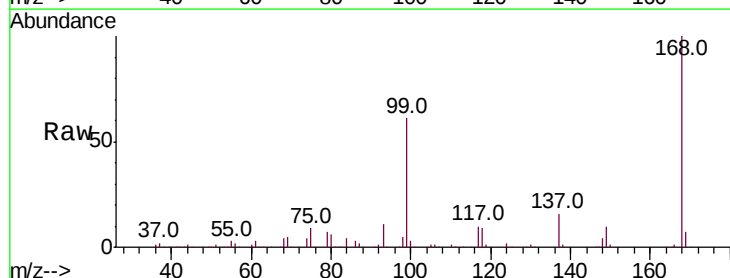
Instrument :
MSVOA_W
ClientSampleId :

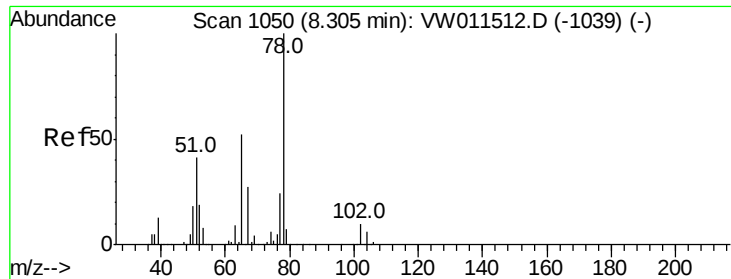
Tot Ion: 43 Resp: 2840
Ion Ratio Lower Upper
43 100
72 8.8 16.6 24.8#



#31
Cyclohexane
Concen: 1.219 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW011843.D
Acq: 12 Aug 2019 11:24

Tgt Ion: 56 Resp: 5463
Ion Ratio Lower Upper
56 100
69 192.2 24.3 36.5#
84 152.3 60.4 90.6#





#33

1,2-Dichloroethane-d4

Concen: 55.189 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW011843.D

Acq: 12 Aug 2019 11:24

Instrument :

MSVOA_W

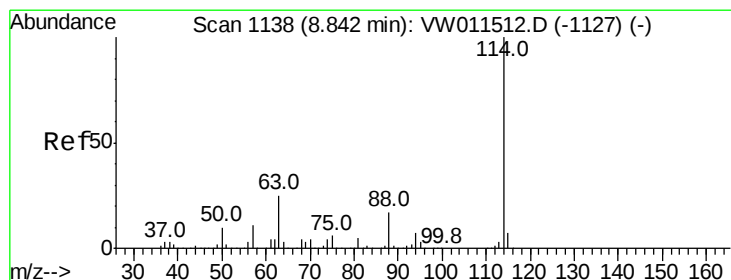
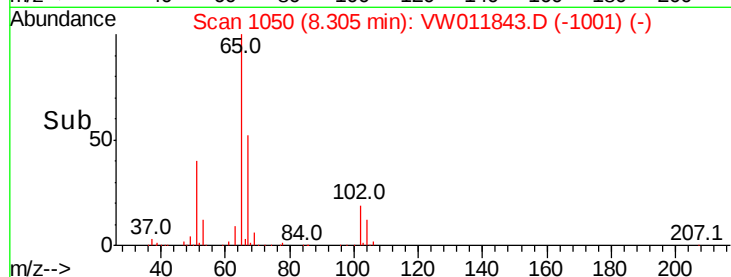
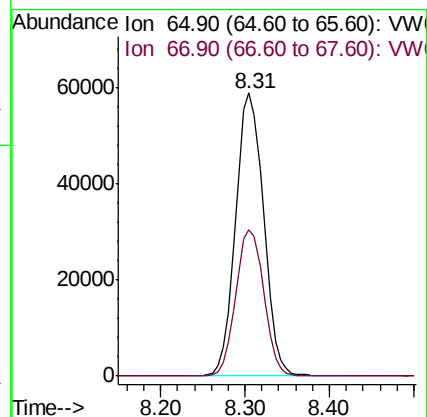
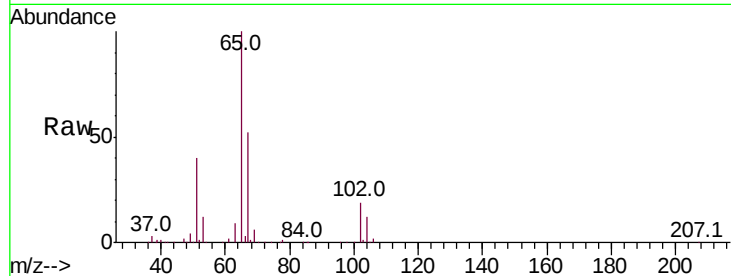
ClientSampleId :

Tot Ion: 65 Resp: 132250

Ion Ratio Lower Upper

65 100

67 51.9 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: VW011843.D

Acq: 12 Aug 2019 11:24

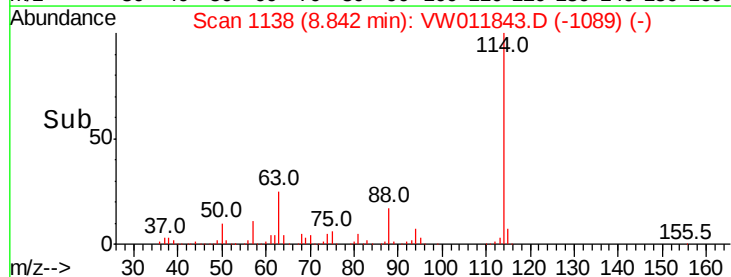
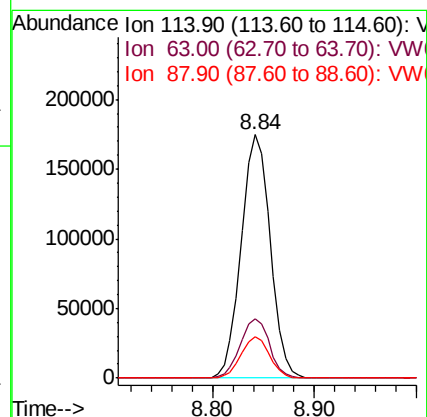
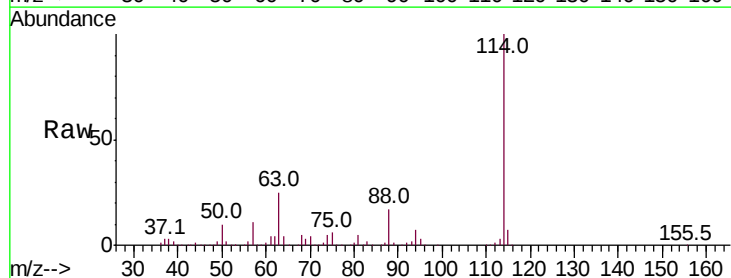
Tgt Ion: 114 Resp: 344464

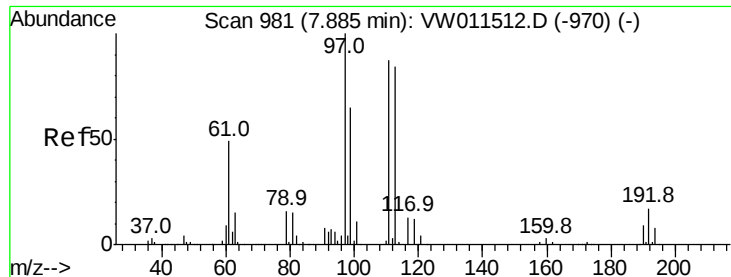
Ion Ratio Lower Upper

114 100

63 24.6 0.0 49.2

88 17.1 0.0 33.8

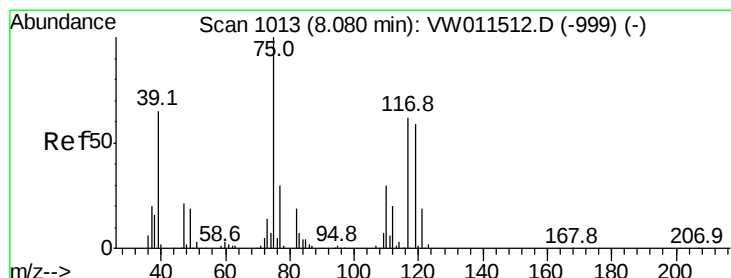
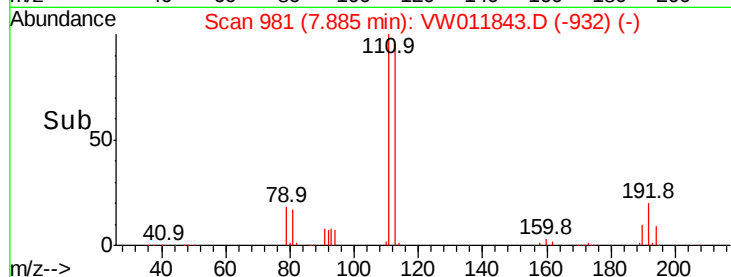
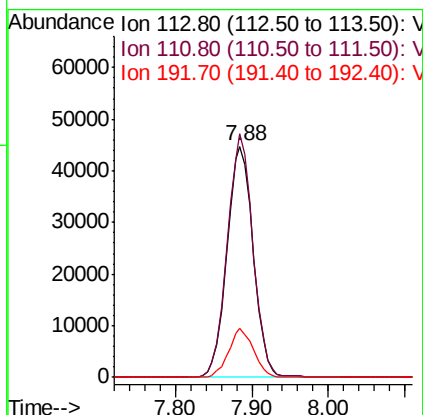
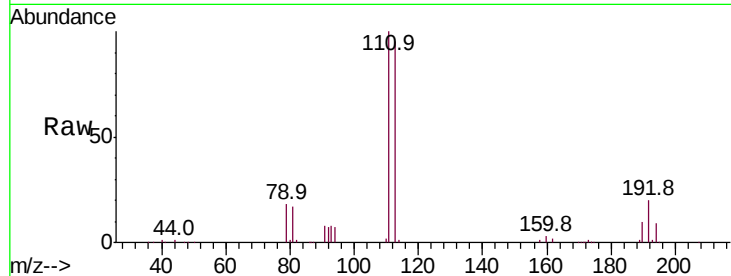




#35
 Dibromofluoromethane
 Concen: 54.810 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW011843.D
 Acq: 12 Aug 2019 11:24

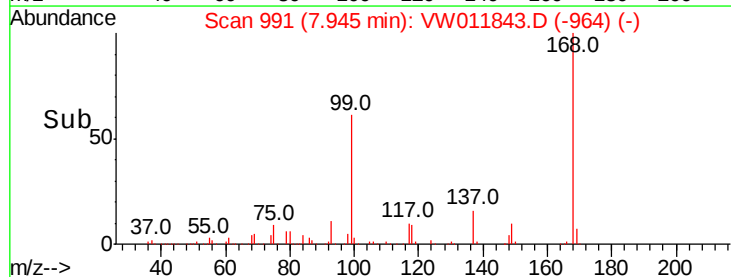
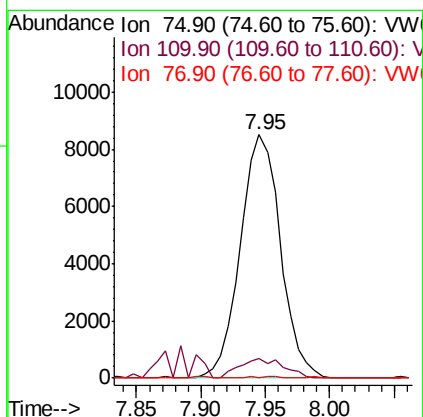
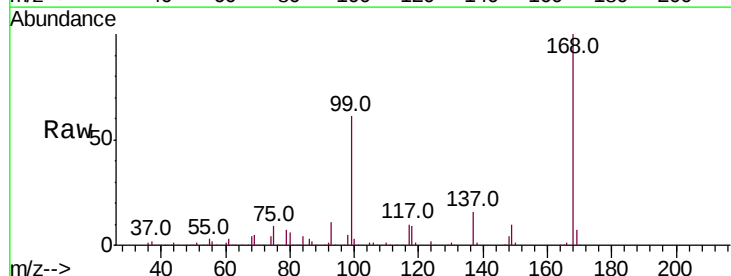
Instrument :
 MSVOA_W
 ClientSampled :

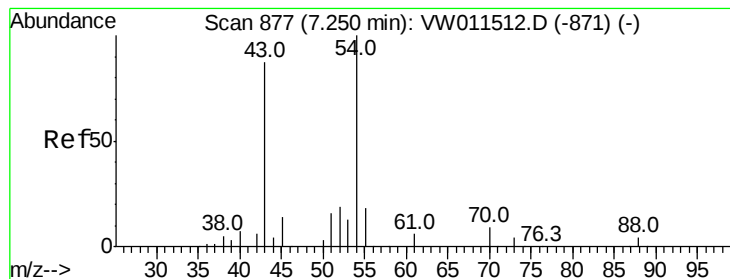
Tot Ion:113 Resp: 105920
 Ion Ratio Lower Upper
 113 100
 111 103.1 82.7 124.1
 192 20.2 16.1 24.1



#36
 1,1-Dichloropropene
 Concen: 5.127 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW011843.D
 Acq: 12 Aug 2019 11:24

Tgt Ion: 75 Resp: 18365
 Ion Ratio Lower Upper
 75 100
 110 8.9 15.6 46.8#
 77 0.3 24.3 36.5#





#37

Ethyl Acetate

Concen: 1.378 ug/l

RT: 7.19 min Scan# 867

Delta R.T. -0.06 min

Lab File: VW011843.D

Acq: 12 Aug 2019 11:24

Instrument :

MSVOA_W

ClientSampled :

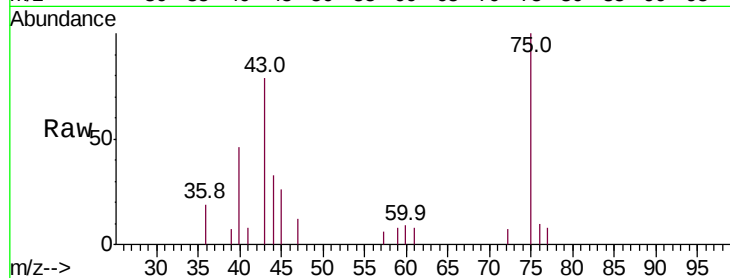
Tot Ion: 43 Resp: 2840

Ion Ratio Lower Upper

43 100

61 0.0 8.8 13.2#

70 0.0 7.1 10.7#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW

7.19

600

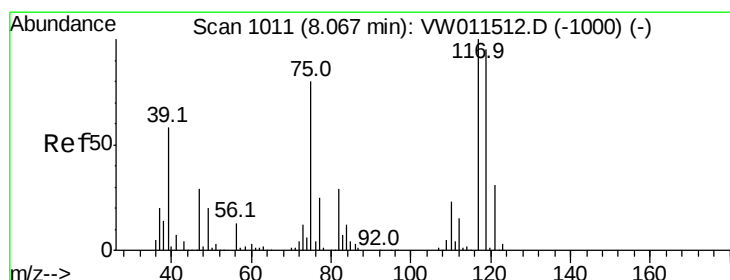
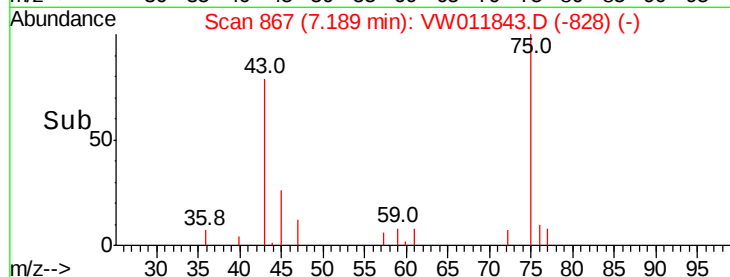
400

200

0

7.00 7.10 7.20 7.30

Time-->



#38

Carbon Tetrachloride

Concen: 6.704 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW011843.D

Acq: 12 Aug 2019 11:24

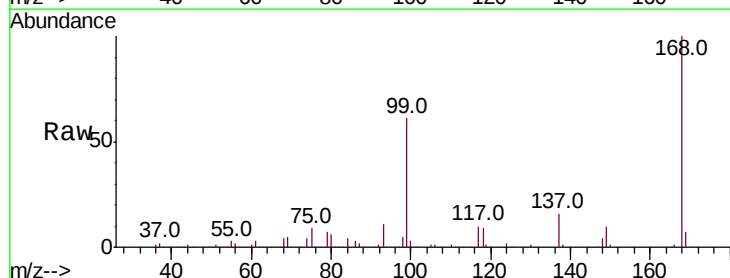
Tgt Ion: 117 Resp: 20555

Ion Ratio Lower Upper

117 100

119 5.4 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

7.95

12000

10000

8000

6000

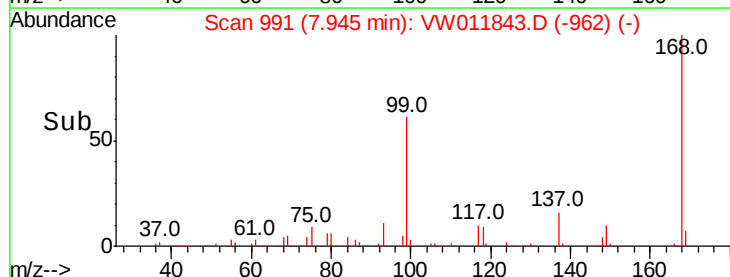
4000

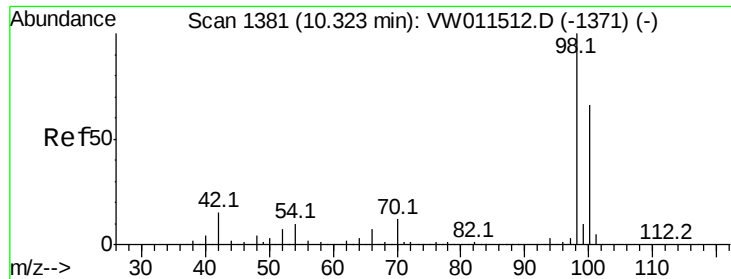
2000

0

7.85 7.90 7.95 8.00 8.05

Time-->

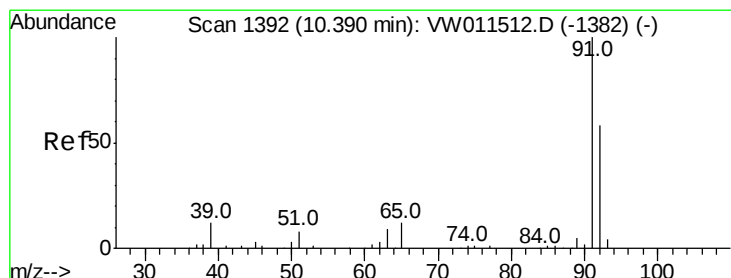
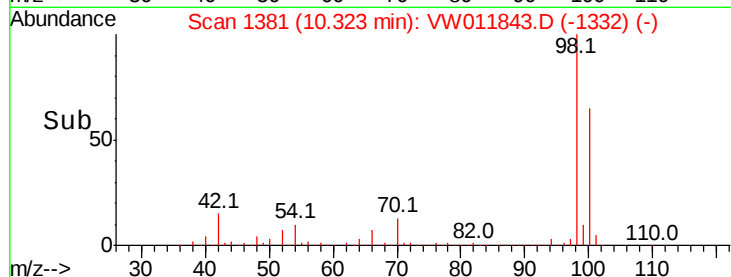
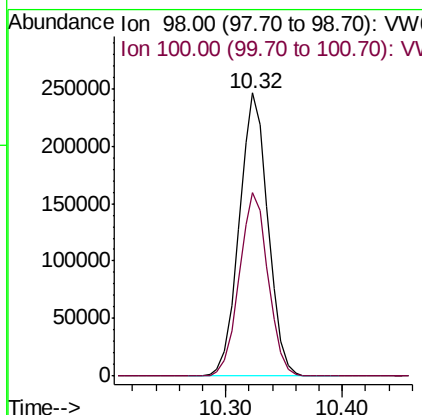
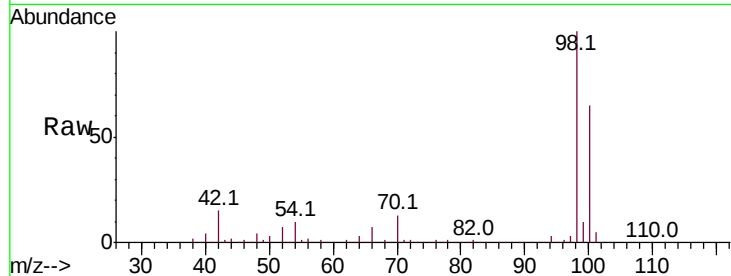




#50
Toluene-d8
Concen: 53.344 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW011843.D
Acq: 12 Aug 2019 11:24

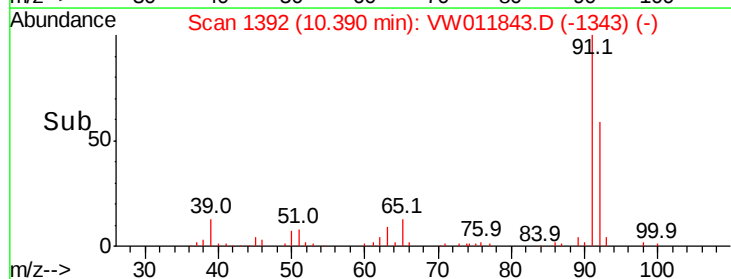
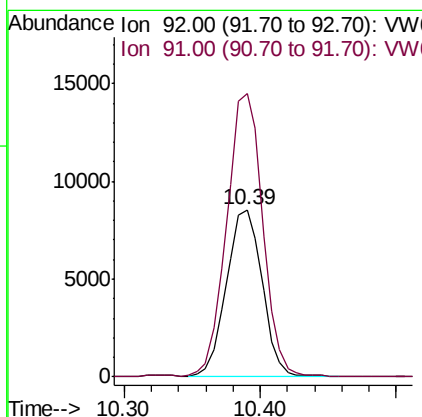
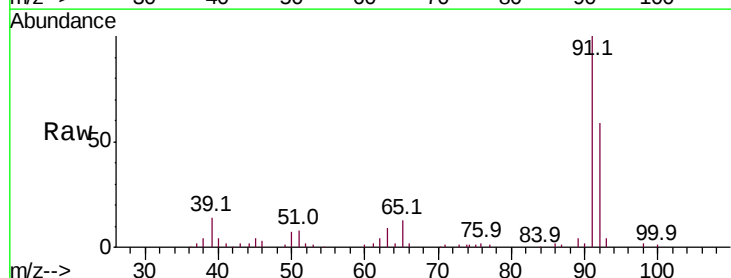
Instrument :
MSVOA_W
ClientSampled :

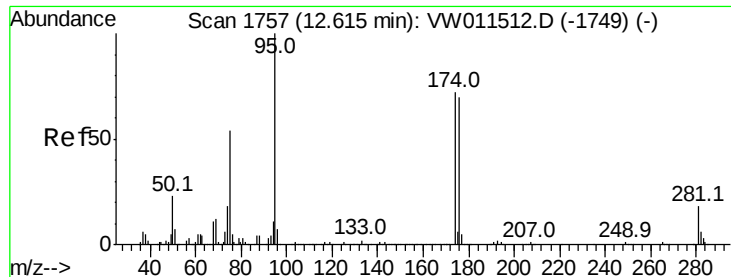
Tot Ion: 98 Resp: 422074
Ion Ratio Lower Upper
98 100
100 65.1 52.7 79.1



#52
Toluene
Concen: 2.596 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VW011843.D
Acq: 12 Aug 2019 11:24

Tgt Ion: 92 Resp: 15728
Ion Ratio Lower Upper
92 100
91 170.2 136.7 205.1

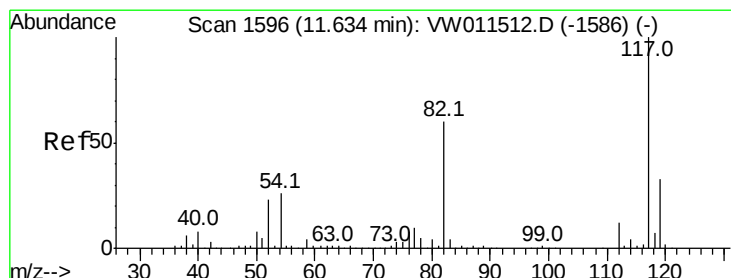
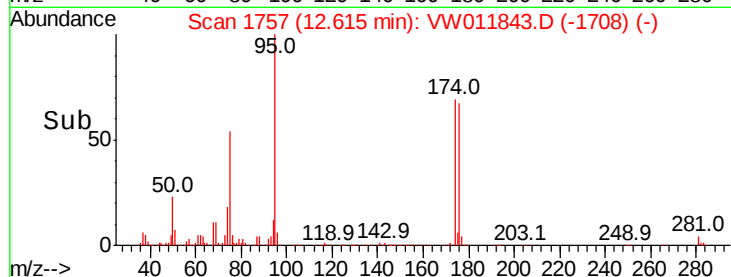
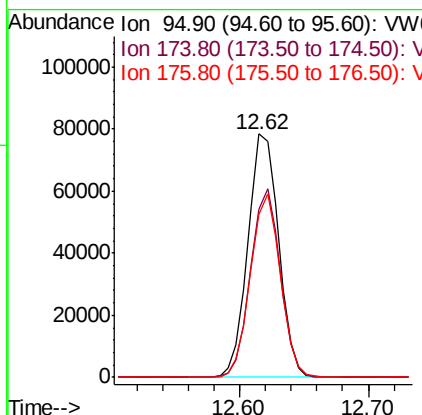
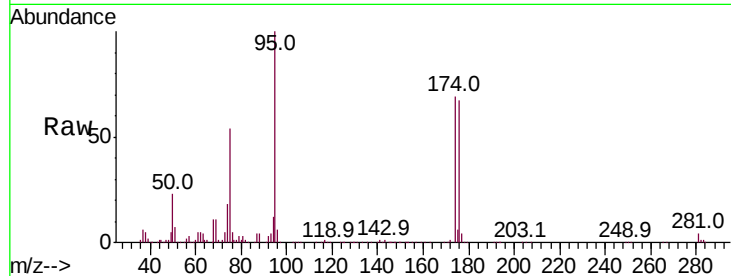




#62
4-Bromofluorobenzene
Concen: 45.689 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW011843.D
Acq: 12 Aug 2019 11:24

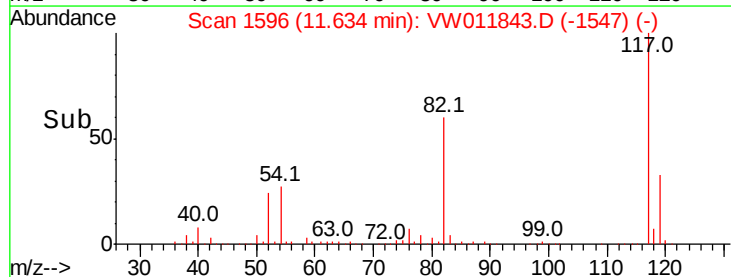
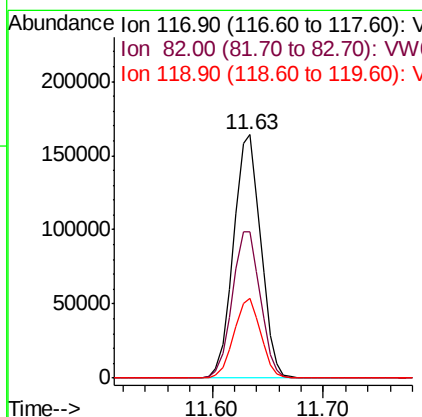
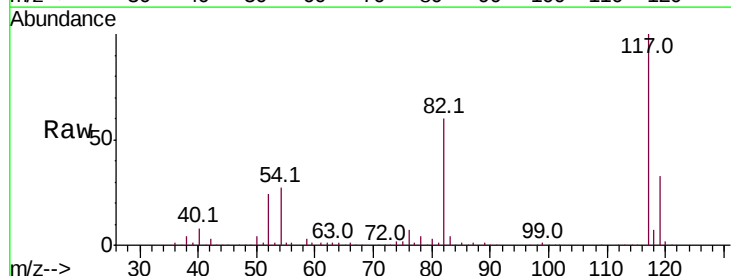
Instrument :
MSVOA_W
ClientSampleId :

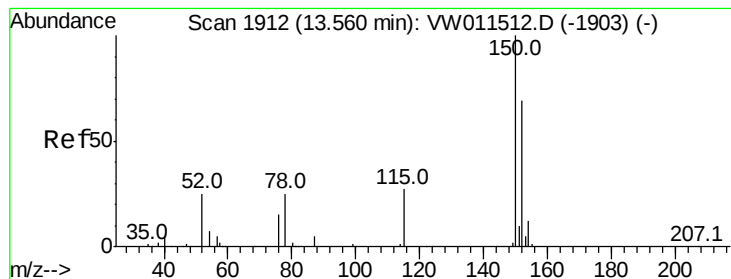
Tot Ion: 95 Resp: 128883
Ion Ratio Lower Upper
95 100
174 75.1 0.0 150.2
176 73.3 0.0 144.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW011843.D
Acq: 12 Aug 2019 11:24

Tgt Ion: 117 Resp: 278256
Ion Ratio Lower Upper
117 100
82 60.0 47.9 71.9
119 32.8 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: VW011843.D

Acq: 12 Aug 2019 11:24

Instrument :

MSVOA_W

ClientSampleId :

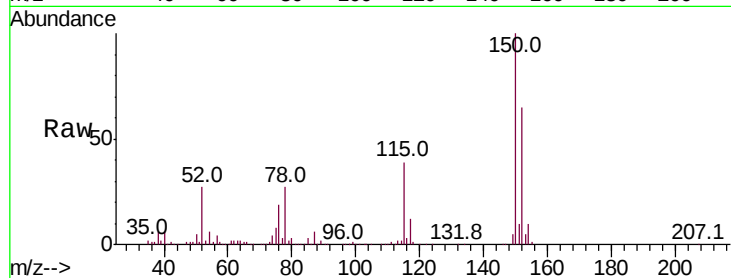
Tot Ion:152 Resp: 107938

Ion Ratio Lower Upper

152 100

115 60.7 30.5 91.5

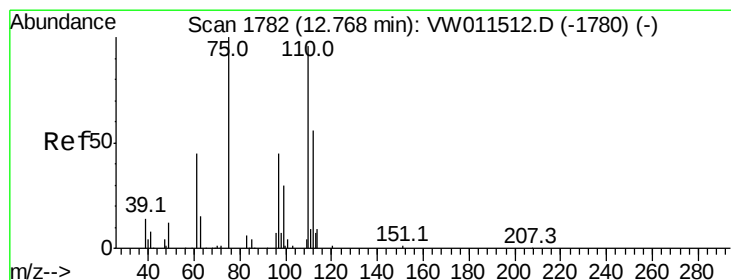
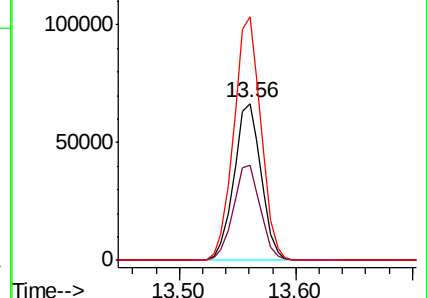
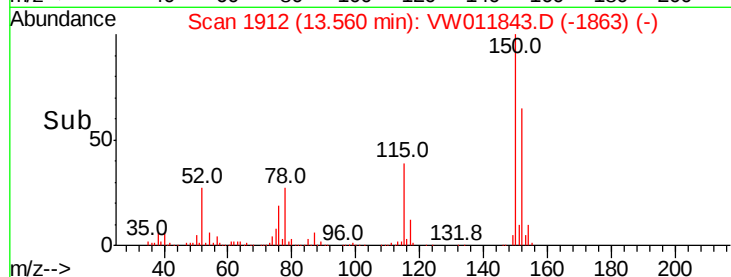
150 155.2 0.0 352.6



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: 60.689 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011843.D

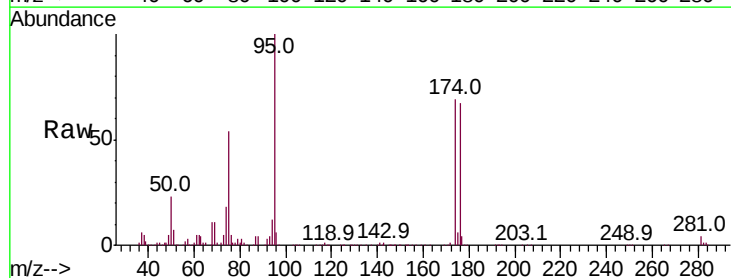
Acq: 12 Aug 2019 11:24

Tgt Ion: 75 Resp: 69313

Ion Ratio Lower Upper

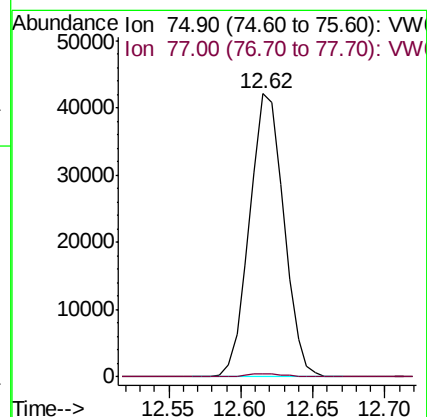
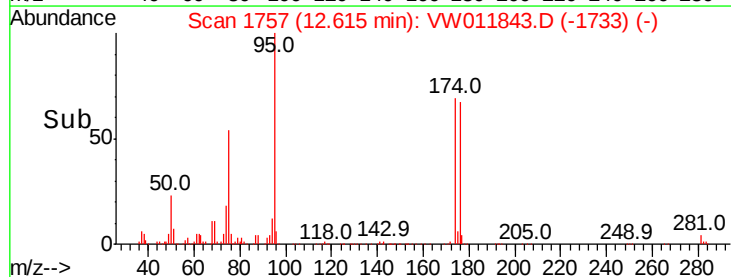
75 100

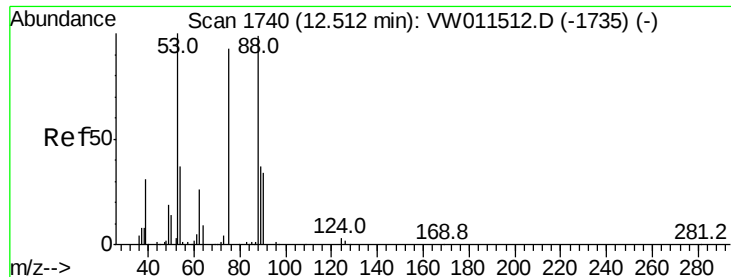
77 1.4 0.0 0.0#



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: 139.866 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011843.D

Acq: 12 Aug 2019 11:24

Instrument :

MSVOA_W

ClientSampled :

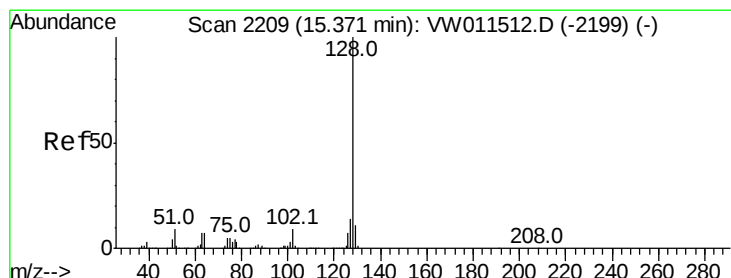
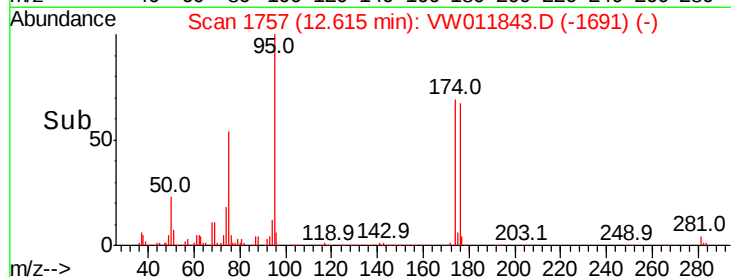
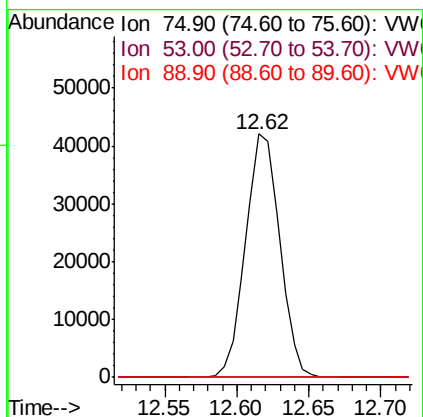
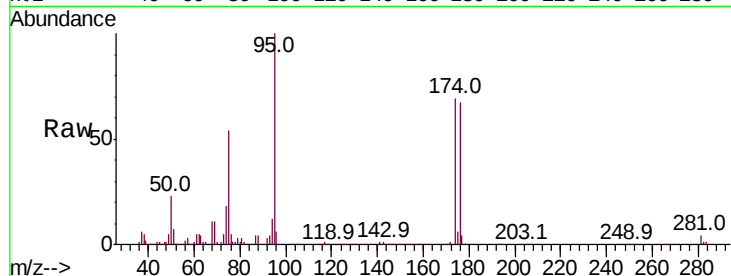
Tot Ion: 75 Resp: 69313

Ion Ratio Lower Upper

75 100

53 0.1 88.0 132.0#

89 0.0 35.3 52.9#



#95

Naphthalene

Concen: 2.488 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW011843.D

Acq: 12 Aug 2019 11:24

Tgt Ion: 128 Resp: 1876

Ion Ratio Lower Upper

128 100

127 14.9 10.6 16.0

129 7.6 8.6 13.0#

