

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091019\
 Data File : VW012872.D
 Acq On : 10 Sep 2019 15:58
 Operator : SY/VA
 Sample : K4692-01
 Misc : 5.09G/5ML/MSVOA W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-24-15.5-16.0

Quant Time: Sep 10 17:49:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090719S.M
 Quant Title : SW846 8260
 QLast Update : Sun Sep 08 05:04:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	219554	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	328021	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	264721	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	107012	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	108118	44.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.14%	
35) Dibromofluoromethane	7.88	113	94443	48.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.86%	
50) Toluene-d8	10.32	98	381787	49.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.94%	
62) 4-Bromofluorobenzene	12.62	95	118352	42.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.34%	

Target Compounds

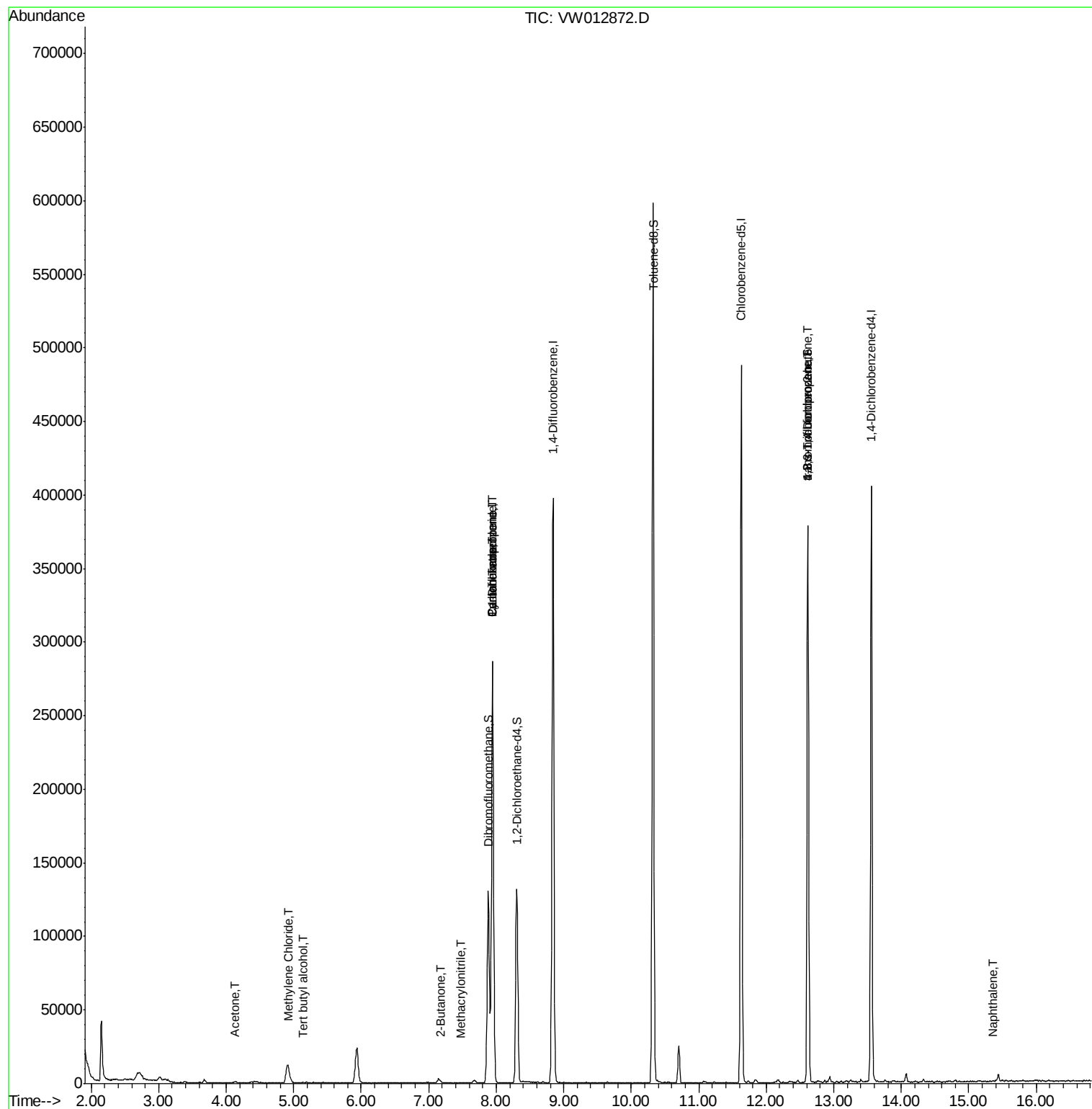
						Qvalue
11) Tert butyl alcohol	5.14	59	507	2.701	ug/l #	72
16) Acetone	4.12	43	955	1.428	ug/l #	64
20) Methylene Chloride	4.92	84	10256	4.902	ug/l	84
25) 2-Butanone	7.18	43	19	19.698	ug/l #	53
31) Cyclohexane	7.94	56	4790	1.328	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	16688	5.726	ug/l #	51
38) Carbon Tetrachloride	7.95	117	21136	7.357	ug/l #	15
41) Methacrylonitrile	7.48	41	33	3.863	ug/l #	27
76) 1,2,3-Trichloropropane	12.62	75	60574	55.357	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	60574	117.084	ug/l #	6
95) Naphthalene	15.35	128	151	4.470	ug/l #	66

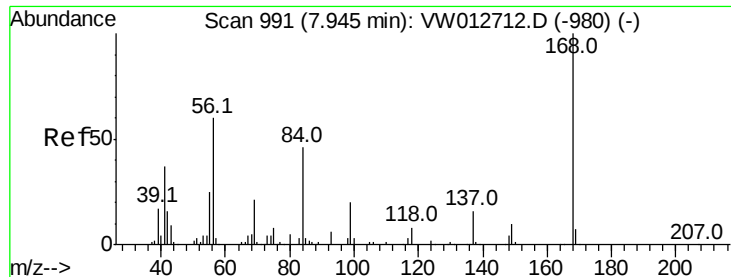
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW091019\
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SB-24-15.5-16.0

Quant Time: Sep 10 17:49:53 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W090719S.M
Quant Title : SW846 8260
QLast Update : Sun Sep 08 05:04:40 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: VW012872.D

Acq: 10 Sep 2019 15:58

Instrument :

MSVOA_W

ClientSampleId :

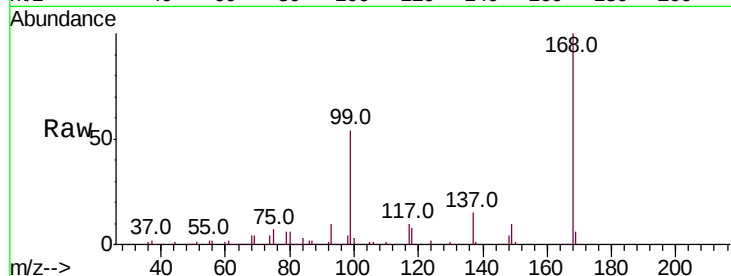
SB-24-15.5-16.0

Tot Ion:168 Resp: 219554

Ion Ratio Lower Upper

168 100

99 54.4 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

60000

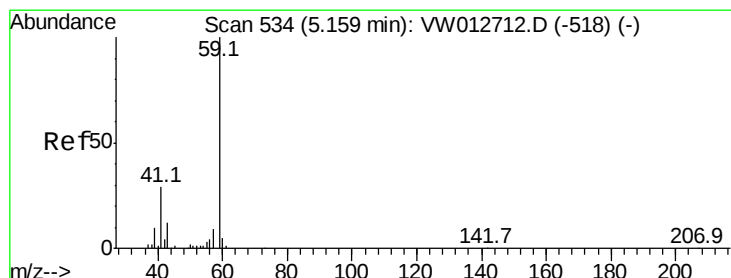
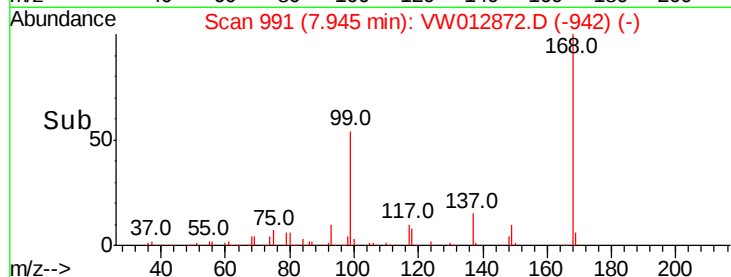
40000

20000

0

Time-->

7.80 7.90 8.00



#11

Tert butyl alcohol

Concen: 2.701 ug/l

RT: 5.14 min Scan# 531

Delta R.T. -0.02 min

Lab File: VW012872.D

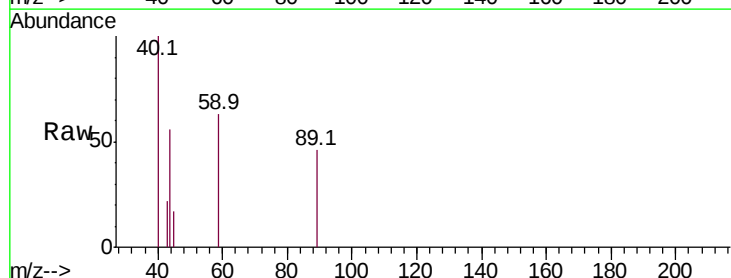
Acq: 10 Sep 2019 15:58

Tgt Ion: 59 Resp: 507

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.14

250

200

150

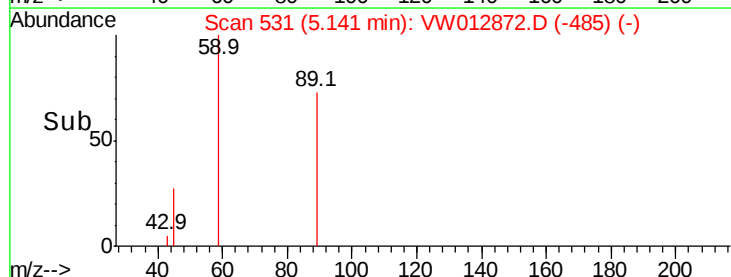
100

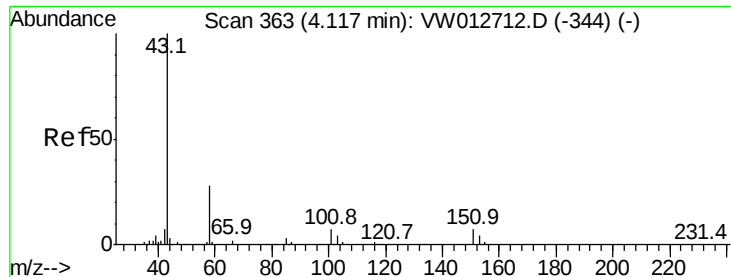
50

0

Time-->

5.10 5.15





#16

Acetone

Concen: 1.428 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW012872.D

Acq: 10 Sep 2019 15:58

Instrument :

MSVOA_W

ClientSampleId :

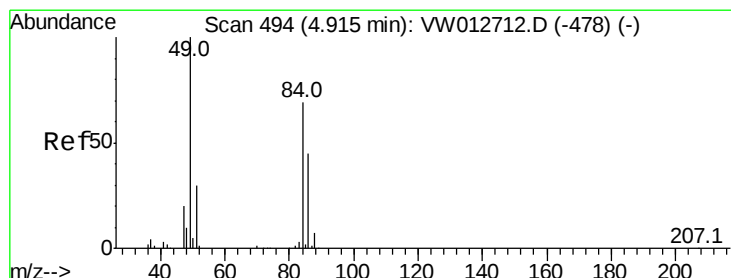
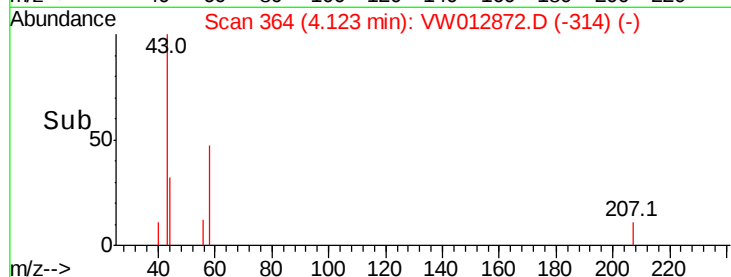
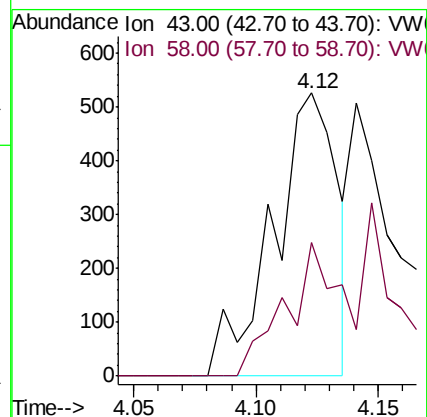
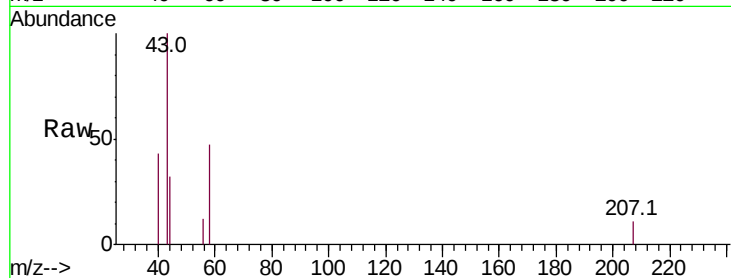
SB-24-15.5-16.0

Tot Ion: 43 Resp: 955

Ion Ratio Lower Upper

43 100

58 47.1 22.6 33.8#



#20

Methylene Chloride

Concen: 4.902 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW012872.D

Acq: 10 Sep 2019 15:58

Tgt Ion: 84 Resp: 10256

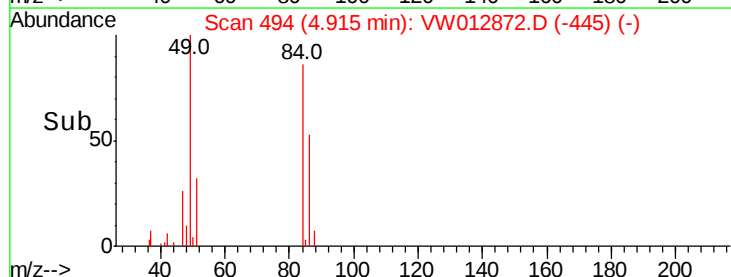
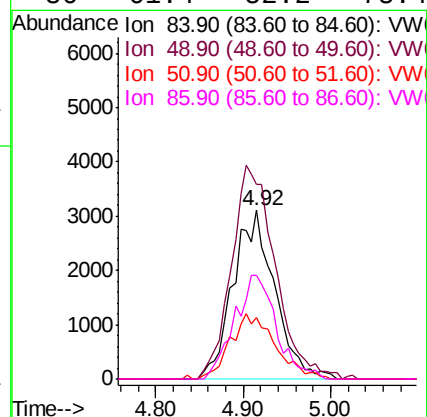
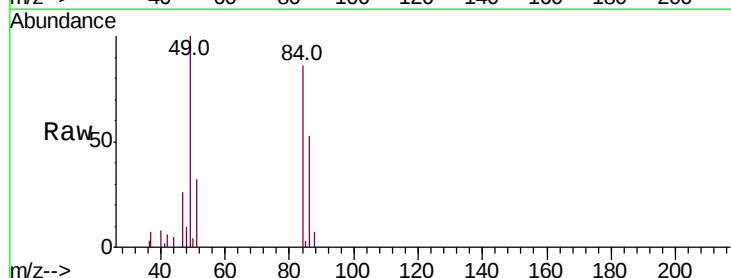
Ion Ratio Lower Upper

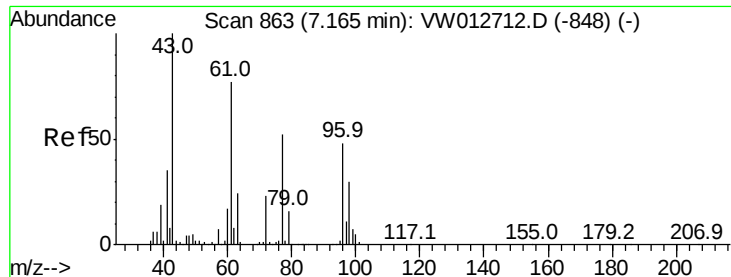
84 100

49 115.7 115.4 173.0

51 36.8 34.9 52.3

86 61.4 52.2 78.4





#25

2-Butanone

Concen: 19.698 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.02 min

Lab File: VW012872.D

Acq: 10 Sep 2019 15:58

Instrument :

MSVOA_W

ClientSampled :

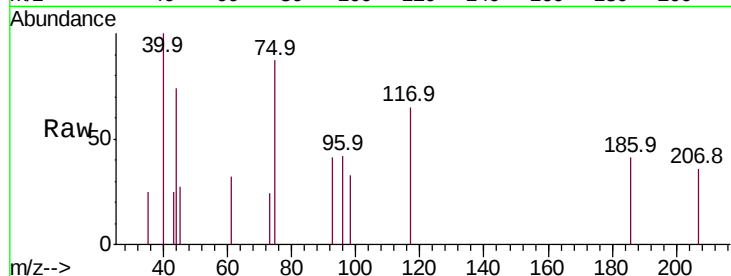
SB-24-15.5-16.0

Tot Ion: 43 Resp: 19

Ion Ratio Lower Upper

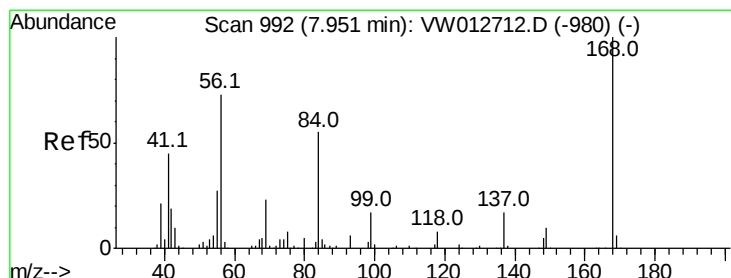
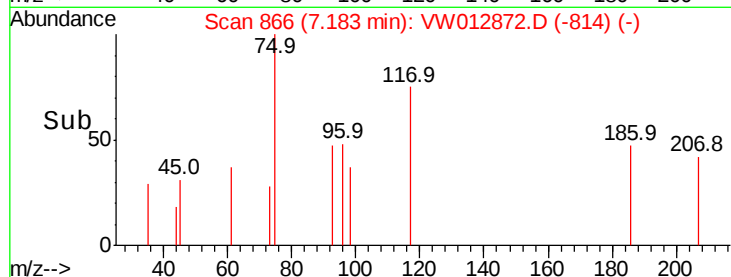
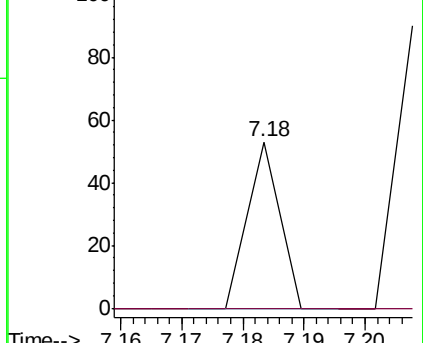
43 100

72 0.0 18.0 27.0#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#31

Cyclohexane

Concen: 1.328 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW012872.D

Acq: 10 Sep 2019 15:58

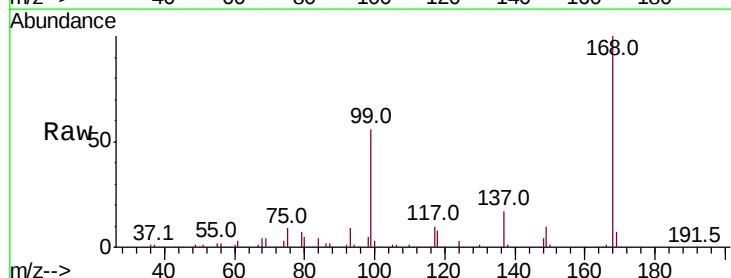
Tgt Ion: 56 Resp: 4790

Ion Ratio Lower Upper

56 100

69 152.3 25.7 38.5#

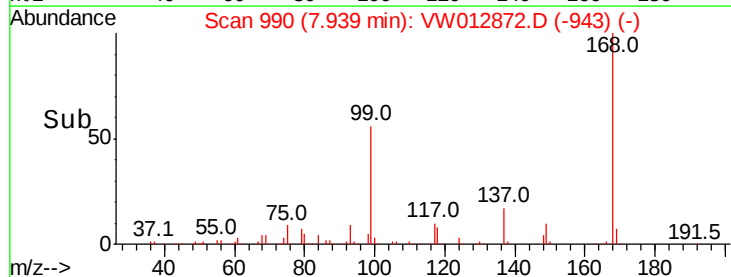
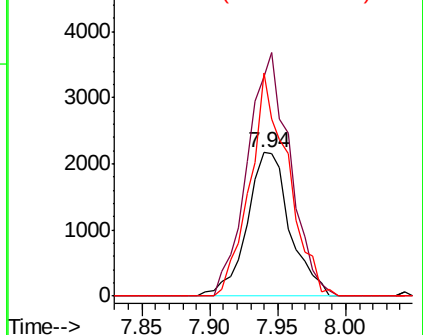
84 155.5 60.4 90.6#

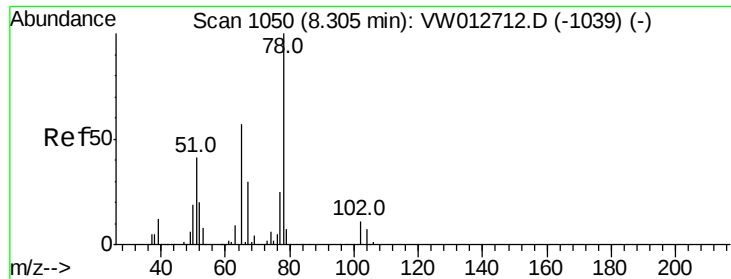


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW





#33

1,2-Dichloroethane-d4

Concen: 44.073 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW012872.D

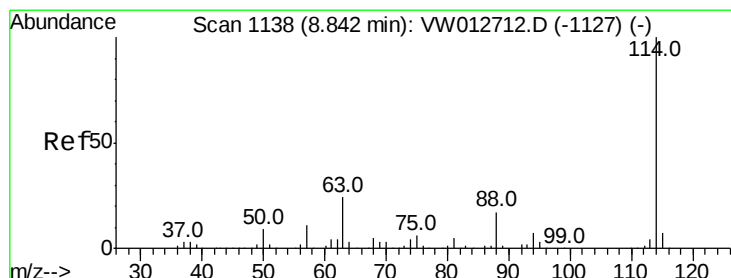
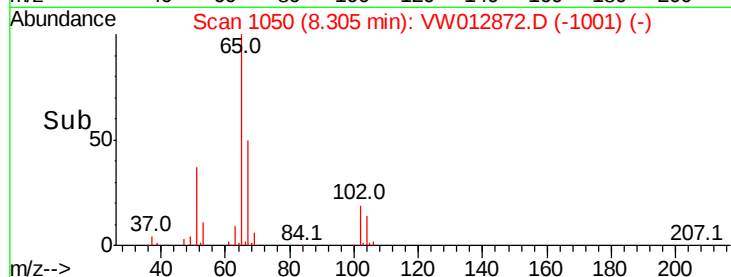
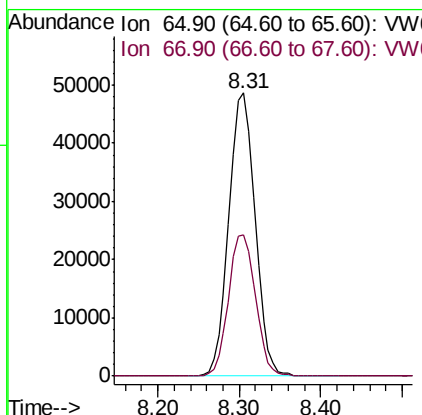
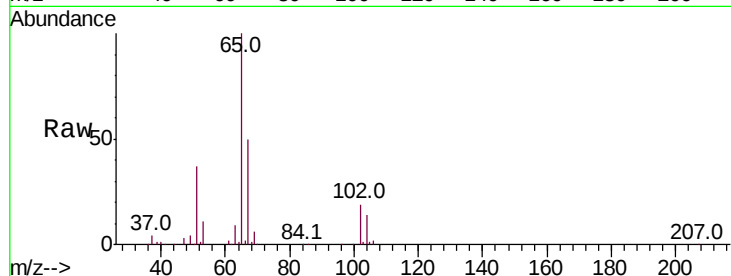
Acq: 10 Sep 2019 15:58

Instrument :
MSVOA_W

ClientSampleId :
SB-24-15.5-16.0

Tot Ion: 65 Resp: 108118

Ion	Ratio	Lower	Upper
65	100		
67	51.2	0.0	101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

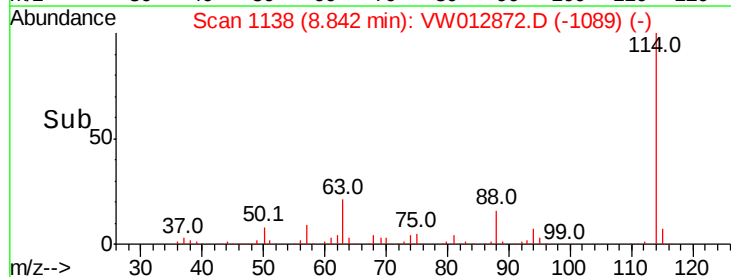
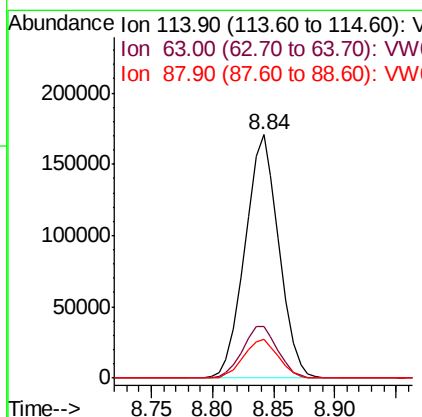
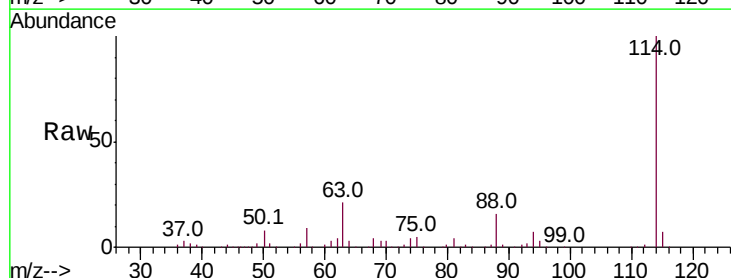
Delta R.T. 0.00 min

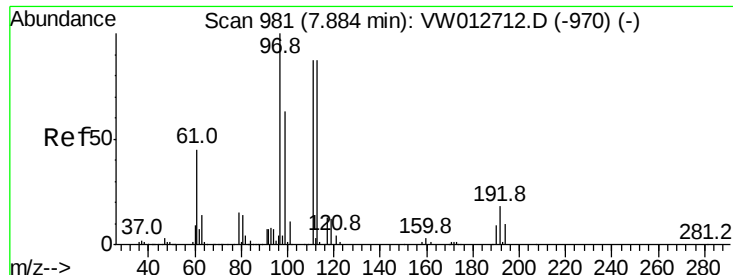
Lab File: VW012872.D

Acq: 10 Sep 2019 15:58

Tgt Ion: 114 Resp: 328021

Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	47.2
88	16.2	0.0	34.0

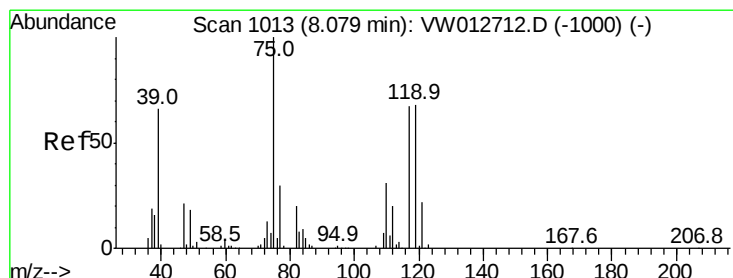
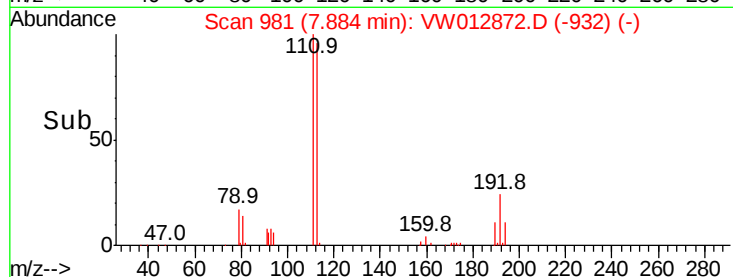
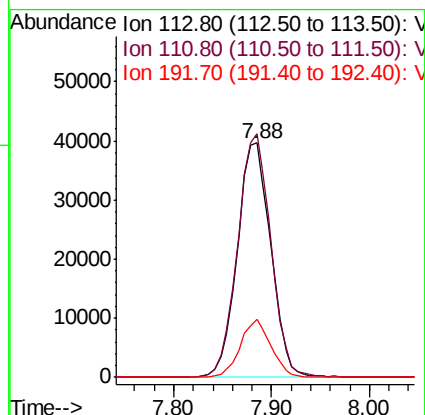
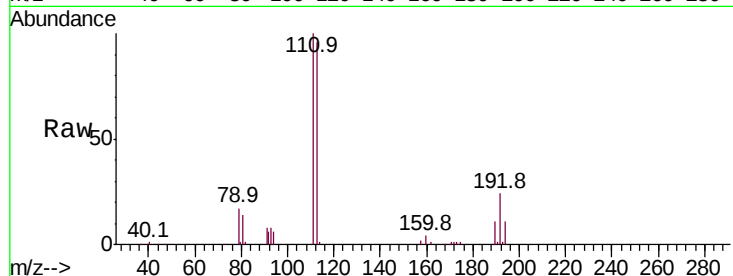




#35
 Dibromofluoromethane
 Concen: 48.428 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW012872.D
 Acq: 10 Sep 2019 15:58

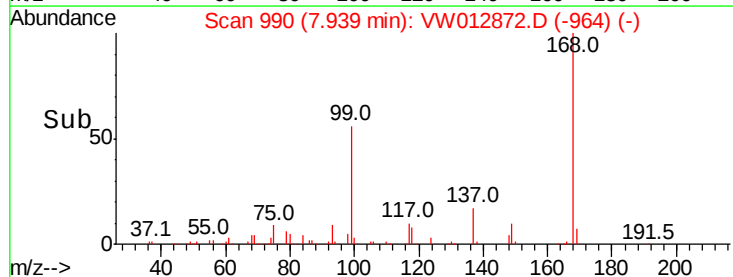
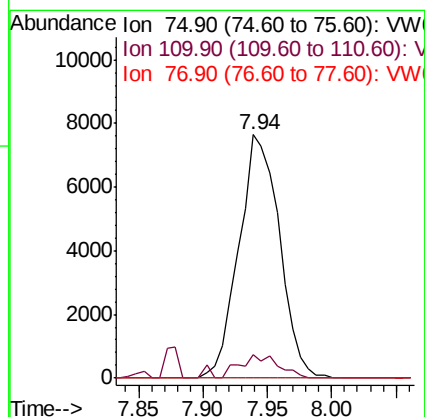
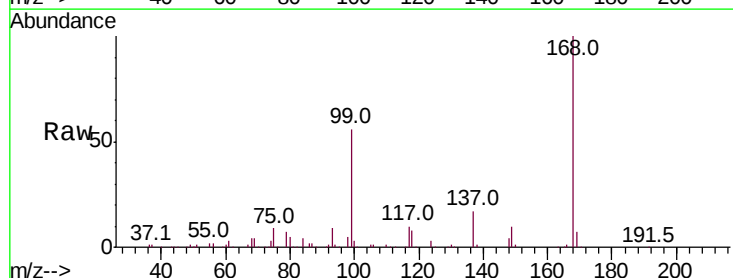
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-24-15.5-16.0

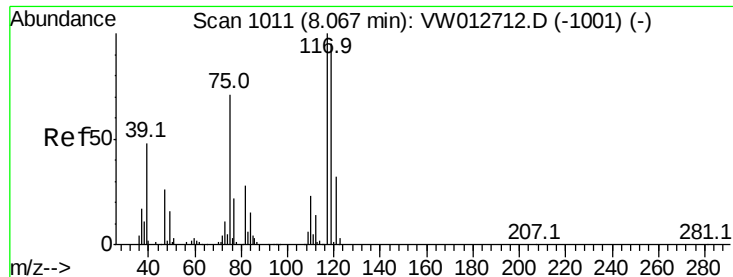
Tot Ion:113 Resp: 94443
 Ion Ratio Lower Upper
 113 100
 111 103.1 80.2 120.4
 192 22.7 17.3 25.9



#36
 1,1-Dichloropropene
 Concen: 5.726 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW012872.D
 Acq: 10 Sep 2019 15:58

Tgt Ion: 75 Resp: 16688
 Ion Ratio Lower Upper
 75 100
 110 9.2 15.9 47.7#
 77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 7.357 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012872.D

Acq: 10 Sep 2019 15:58

Instrument :

MSVOA_W

ClientSampleId :

SB-24-15.5-16.0

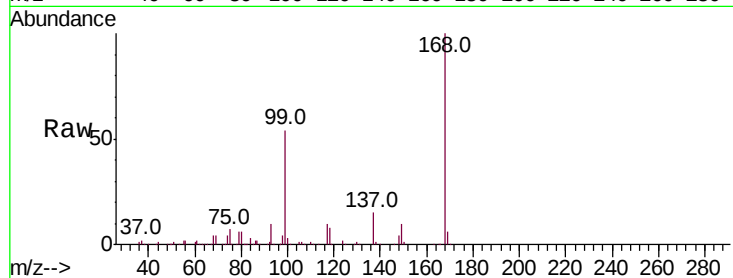
Tot Ion:117 Resp: 21136

Ion Ratio Lower Upper

117 100

119 4.1 76.2 114.2#

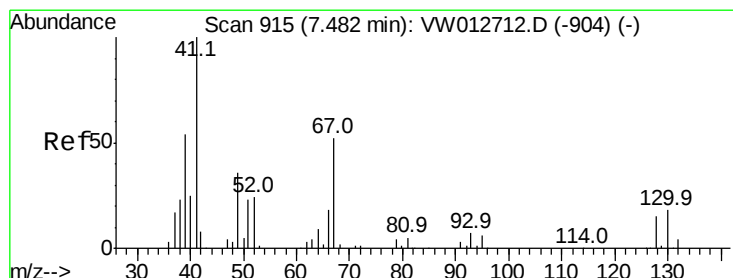
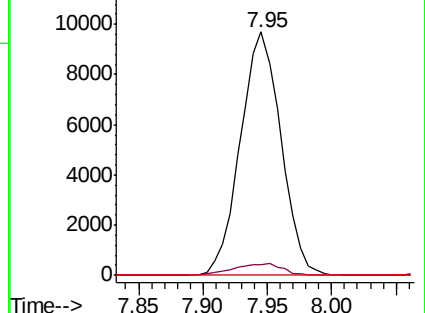
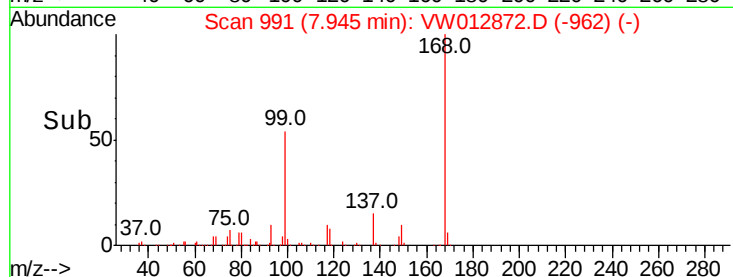
121 0.0 25.4 38.2#



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



#41

Methacrylonitrile

Concen: 3.863 ug/l

RT: 7.48 min Scan# 915

Delta R.T. 0.00 min

Lab File: VW012872.D

Acq: 10 Sep 2019 15:58

Tgt Ion: 41 Resp: 33

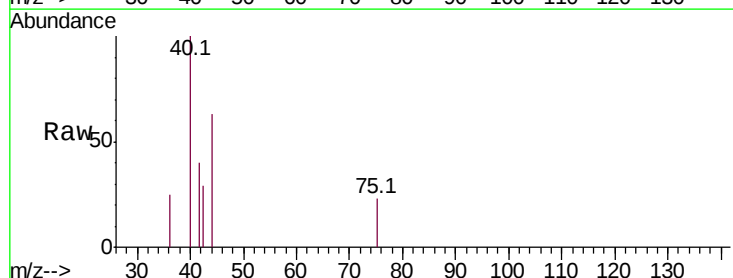
Ion Ratio Lower Upper

41 100

39 0.0 47.5 71.3#

67 0.0 45.1 67.7#

52 0.0 20.2 30.2#

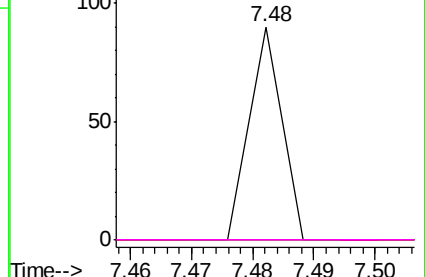
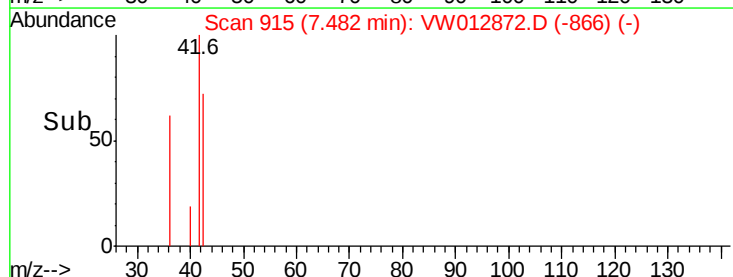


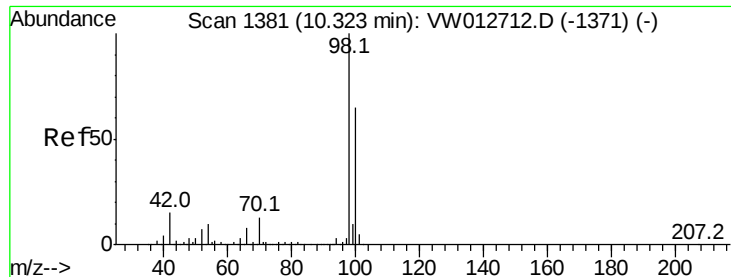
Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW

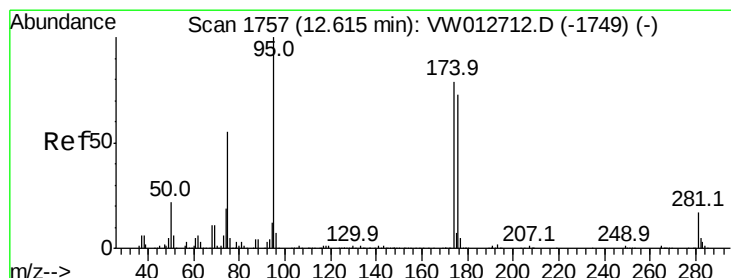
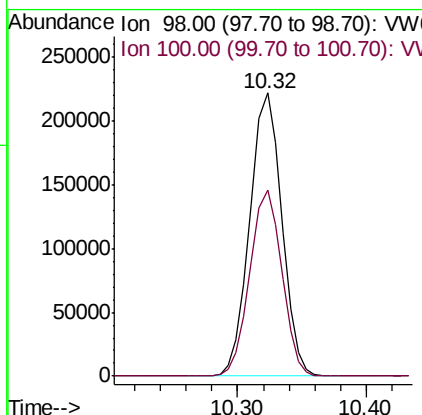
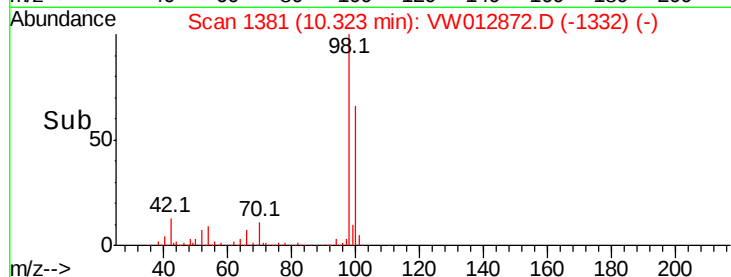
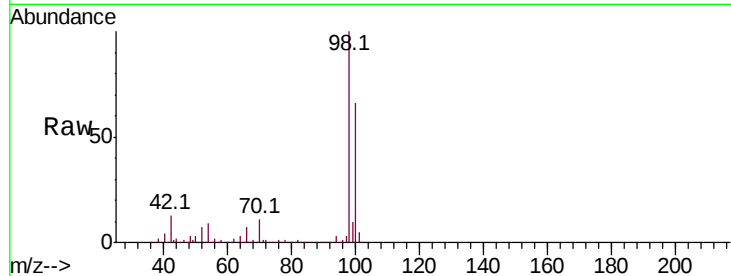




#50
Toluene-d8
Concen: 49.970 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW012872.D
Acq: 10 Sep 2019 15:58

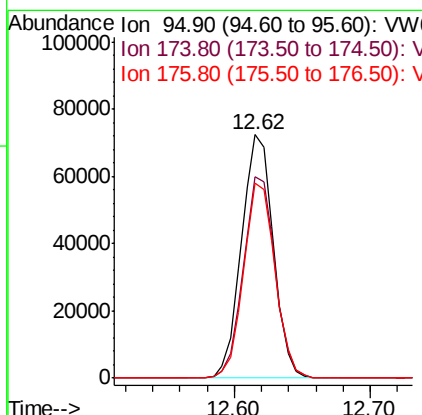
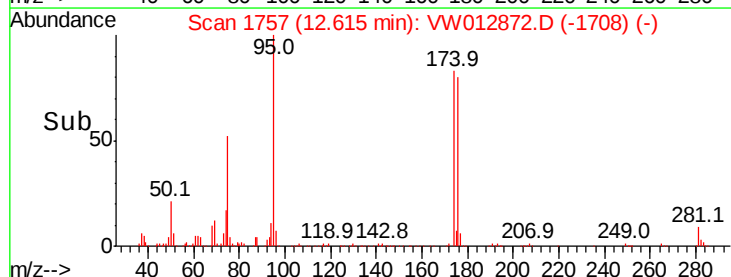
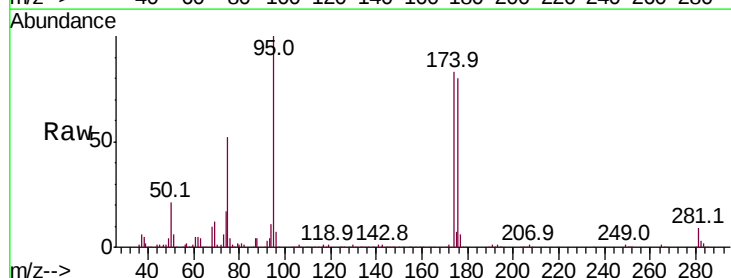
Instrument :
MSVOA_W
ClientSampleId :
SB-24-15.5-16.0

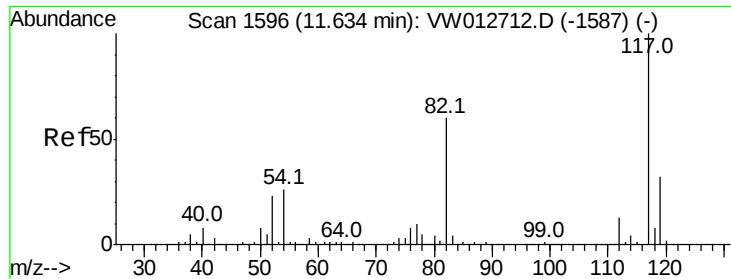
Tot Ion: 98 Resp: 381787
Ion Ratio Lower Upper
98 100
100 65.8 52.2 78.4



#62
4-Bromofluorobenzene
Concen: 42.670 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW012872.D
Acq: 10 Sep 2019 15:58

Tgt Ion: 95 Resp: 118352
Ion Ratio Lower Upper
95 100
174 82.8 0.0 161.0
176 79.6 0.0 156.4

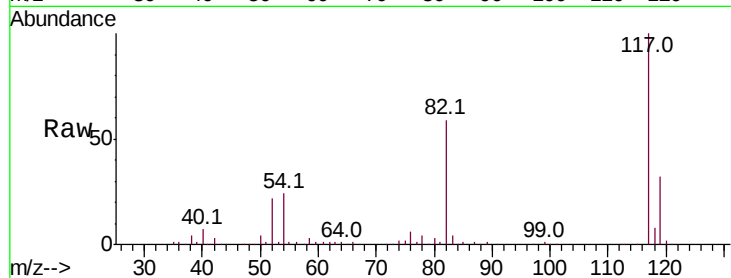




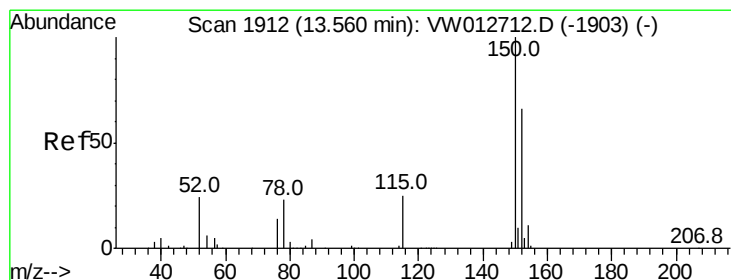
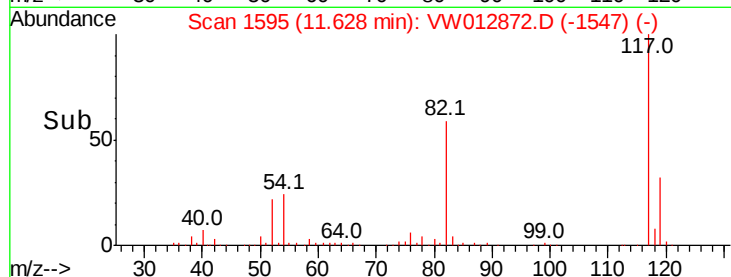
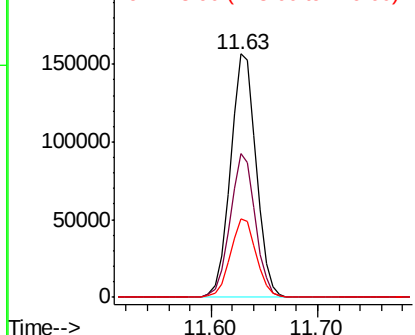
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012872.D
Acq: 10 Sep 2019 15:58

Instrument :
MSVOA_W
ClientSampleId :
SB-24-15.5-16.0

Tot Ion:117 Resp: 264721
Ion Ratio Lower Upper
117 100
82 59.0 48.2 72.4
119 32.3 25.8 38.6

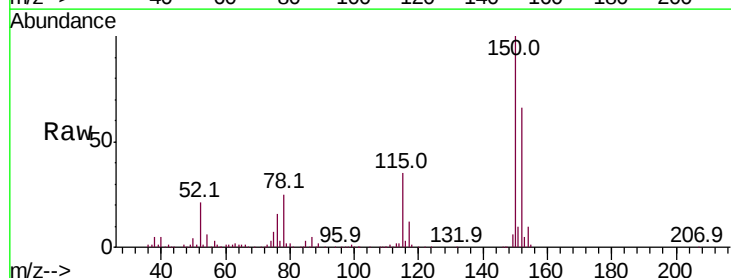


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

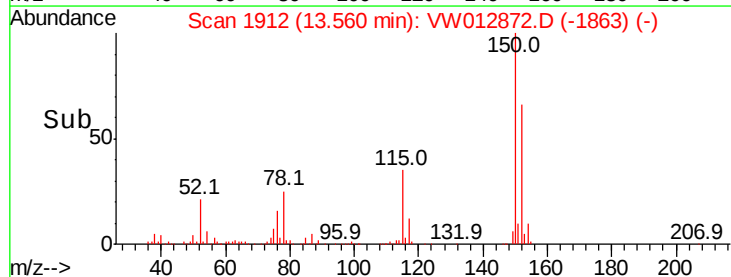
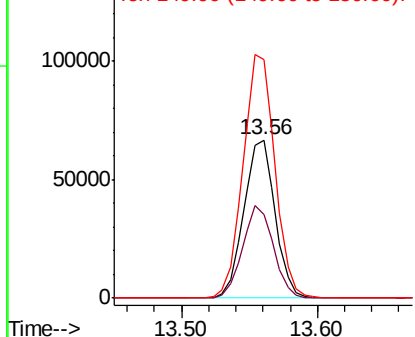


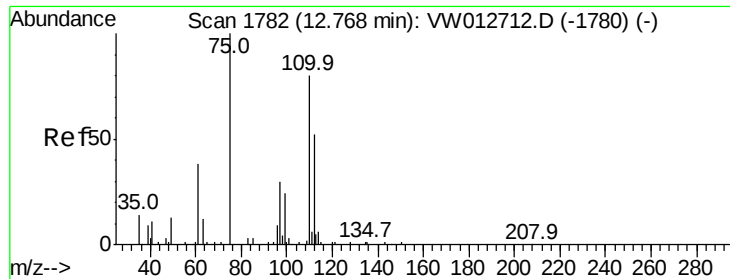
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW012872.D
Acq: 10 Sep 2019 15:58

Tgt Ion:152 Resp: 107012
Ion Ratio Lower Upper
152 100
115 58.0 30.0 90.1
150 157.0 0.0 349.0



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: 55.357 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012872.D

Acq: 10 Sep 2019 15:58

Instrument :

MSVOA_W

ClientSampleId :

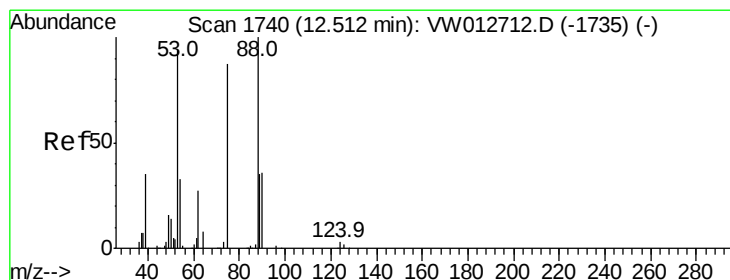
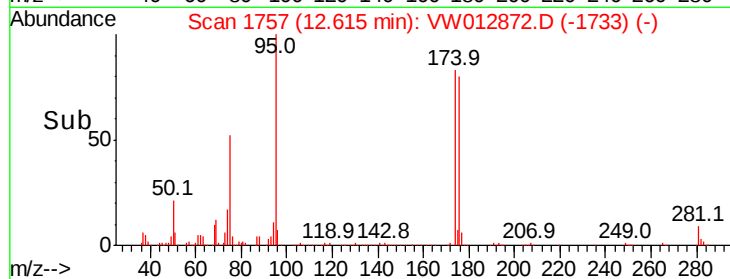
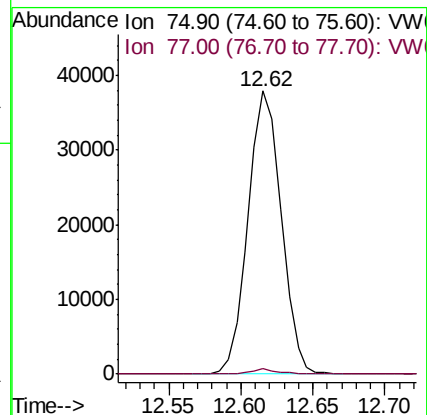
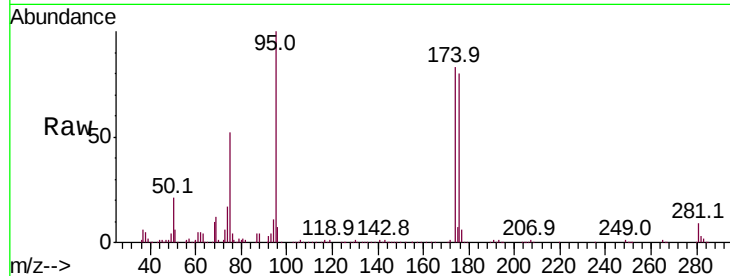
SB-24-15.5-16.0

Tot Ion: 75 Resp: 60574

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 117.084 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012872.D

Acq: 10 Sep 2019 15:58

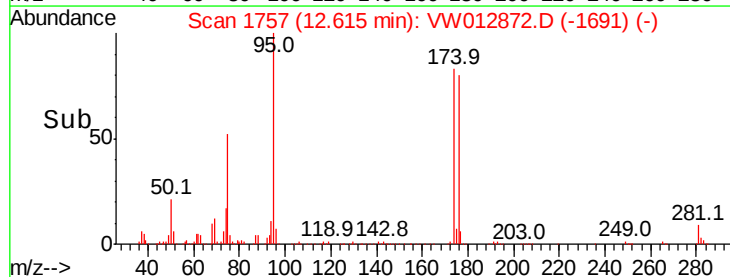
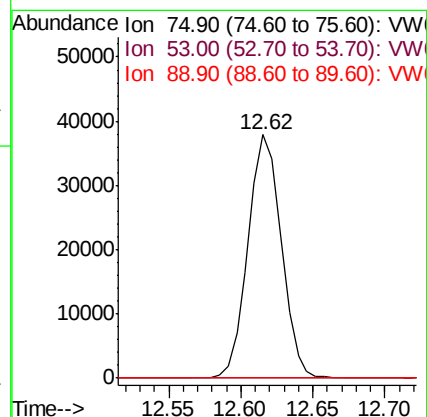
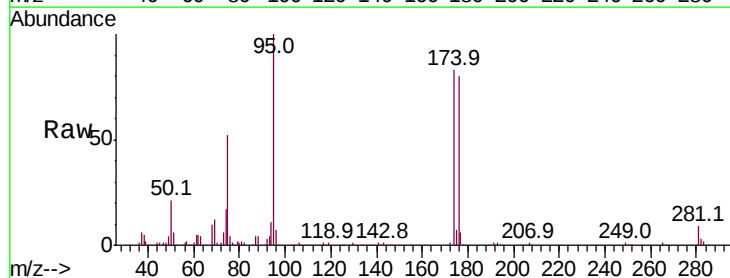
Tgt Ion: 75 Resp: 60574

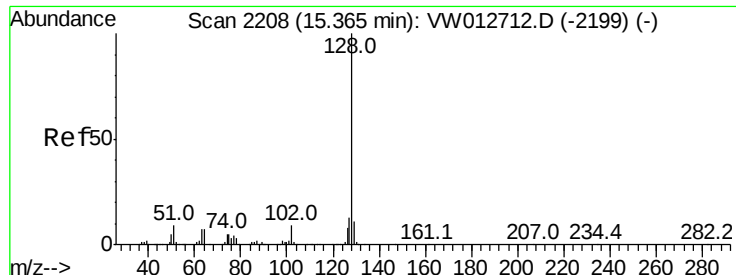
Ion Ratio Lower Upper

75 100

53 0.0 87.6 131.4#

89 0.1 35.5 53.3#





#95

Naphthalene

Concen: 4.470 ug/l

RT: 15.35 min Scan# 2206

Delta R.T. -0.01 min

Lab File: VW012872.D

Acq: 10 Sep 2019 15:58

Instrument :

MSVOA_W

ClientSampleId :

SB-24-15.5-16.0

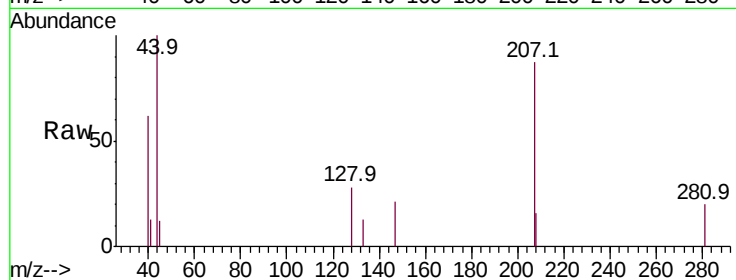
Tot Ion:128 Resp: 151

Ion Ratio Lower Upper

128 100

127 28.5 10.7 16.1#

129 0.0 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

