

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW031319\
 Data File : VW009161.D
 Acq On : 13 Mar 2019 17:49
 Operator : SY/VA
 Sample : K1693-07RE
 Misc : 8.01G/5ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Mar 14 05:22:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 05:22:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	297754	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	480859	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	407823	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	161898	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	179762	60.01	ug/l	0.00
Spiked Amount			Recovery	=	120.02%	
35) Dibromofluoromethane	7.88	113	149247	51.55	ug/l	0.00
Spiked Amount			Recovery	=	103.10%	
50) Toluene-d8	10.32	98	569646	47.91	ug/l	0.00
Spiked Amount			Recovery	=	95.82%	
62) 4-Bromofluorobenzene	12.62	95	181276	38.73	ug/l	0.00
Spiked Amount			Recovery	=	77.46%	

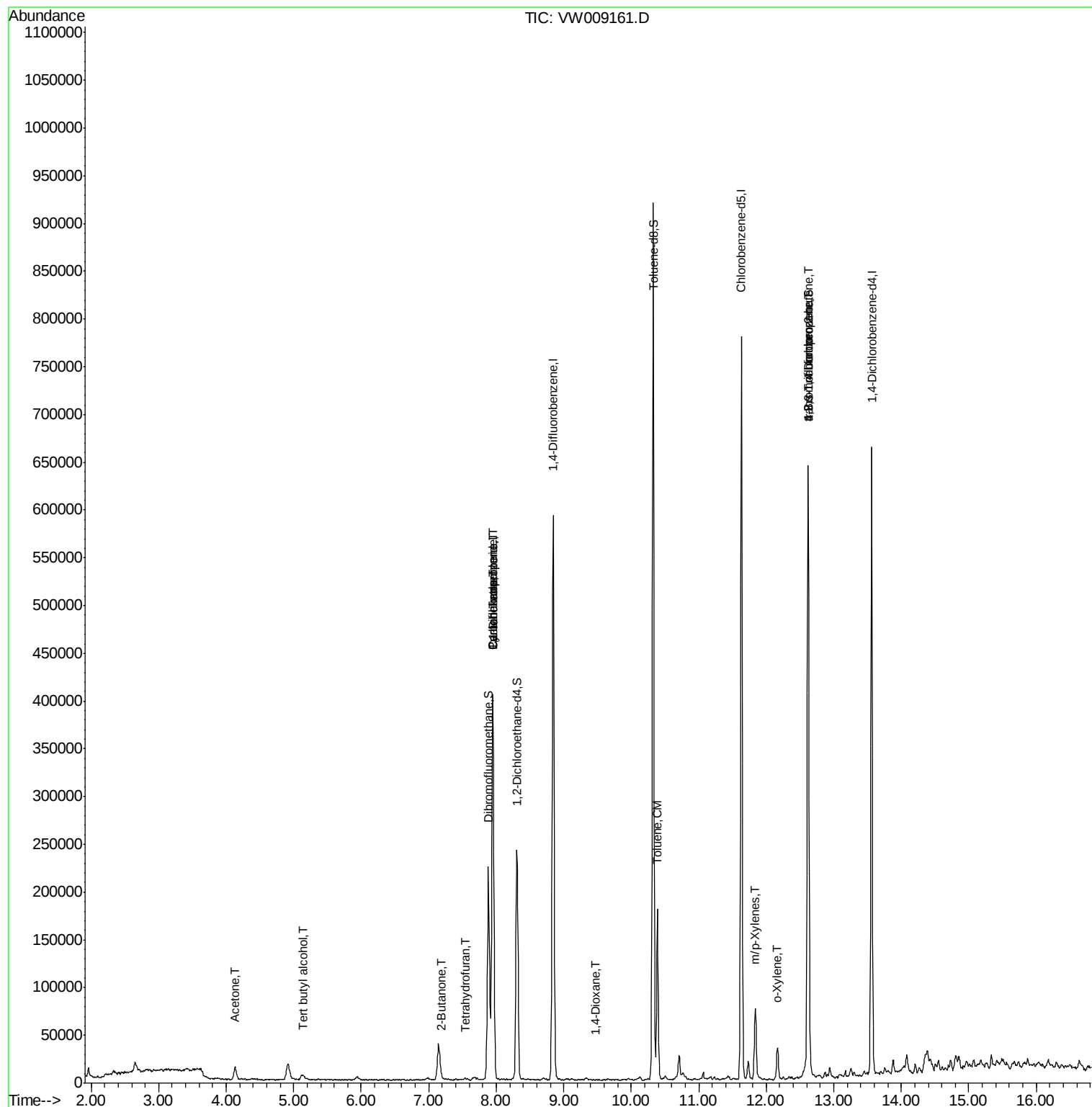
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.13	59	5633	24.538	ug/l #	72
16) Acetone	4.14	43	22742	33.642	ug/l	96
20) Methylene Chloride	4.92	84	12207	Below Cal		92
25) 2-Butanone	7.20	43	1472	1.576	ug/l #	61
29) Tetrahydrofuran	7.54	42	1499	2.546	ug/l #	77
31) Cyclohexane	7.95	56	7836	1.403	ug/l #	21
36) 1,1-Dichloropropene	7.95	75	24266	4.826	ug/l #	51
38) Carbon Tetrachloride	7.95	117	29659	5.712	ug/l #	16
49) 1,4-Dioxane	9.47	88	76	2.891	ug/l #	1
52) Toluene	10.39	92	70973	7.797	ug/l	98
68) m/p-Xylenes	11.83	106	21291	3.364	ug/l	99
69) o-Xylene	12.17	106	8340	1.416	ug/l	96
76) 1,2,3-Trichloropropane	12.62	75	99291	77.624	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	99291	173.624	ug/l #	6

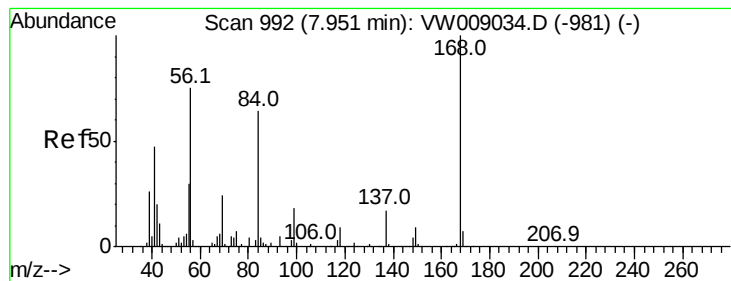
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Mar 08 05:22:30 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW009161.D

Acq: 13 Mar 2019 17:49

Instrument :

MSVOA_W

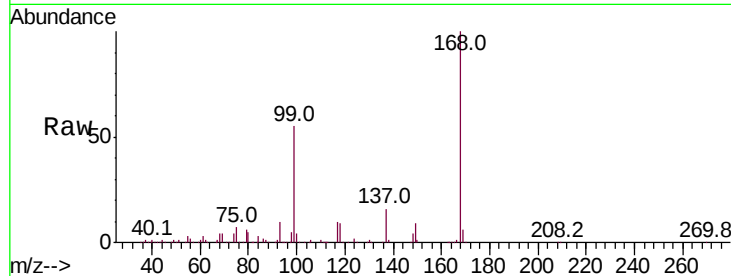
ClientSampled :

Tot Ion:168 Resp: 297754

Ion Ratio Lower Upper

168 100

99 54.8 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

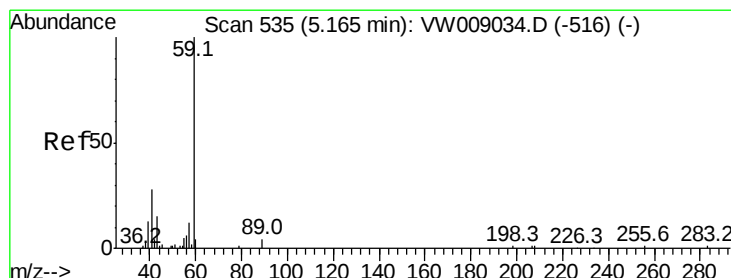
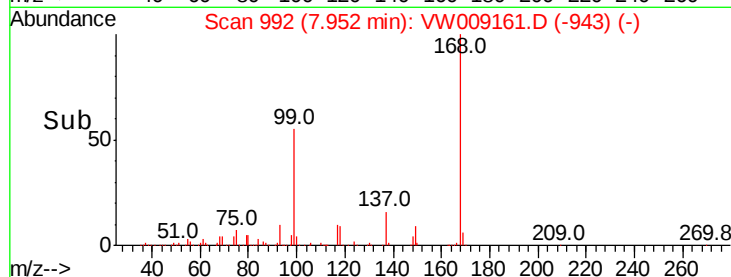
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 24.538 ug/l

RT: 5.13 min Scan# 529

Delta R.T. -0.04 min

Lab File: VW009161.D

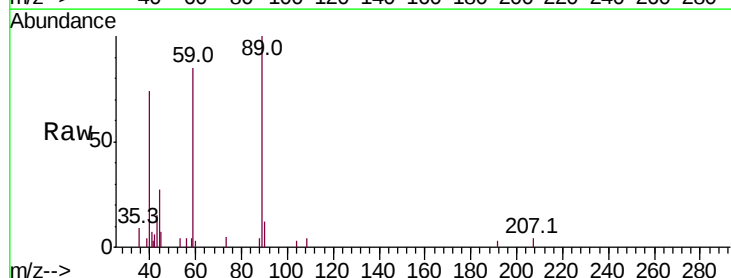
Acq: 13 Mar 2019 17:49

Tgt Ion: 59 Resp: 5633

Ion Ratio Lower Upper

59 100

57 0.0 8.6 12.8#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

2000

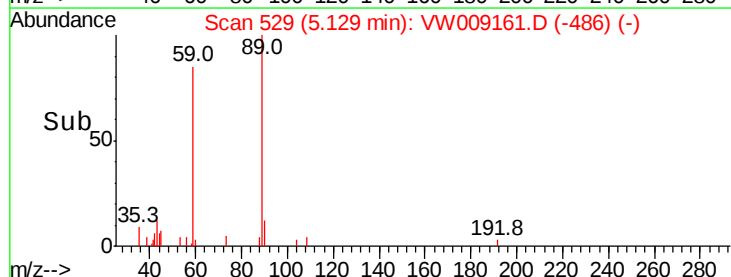
1500

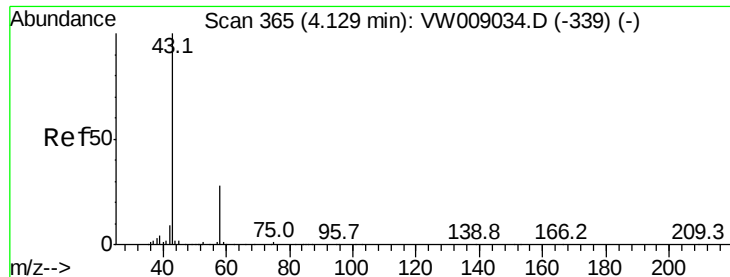
1000

500

0

Time--> 5.00 5.10 5.20 5.30





#16

Acetone

Concen: 33.642 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW009161.D

Acq: 13 Mar 2019 17:49

Instrument :

MSVOA_W

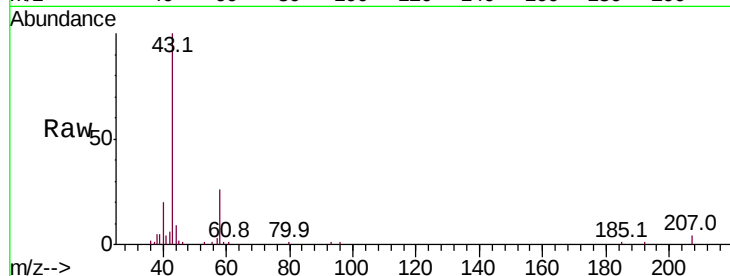
ClientSampleId :

Tot Ion: 43 Resp: 22742

Ion Ratio Lower Upper

43 100

58 26.2 22.5 33.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.14

10000

8000

6000

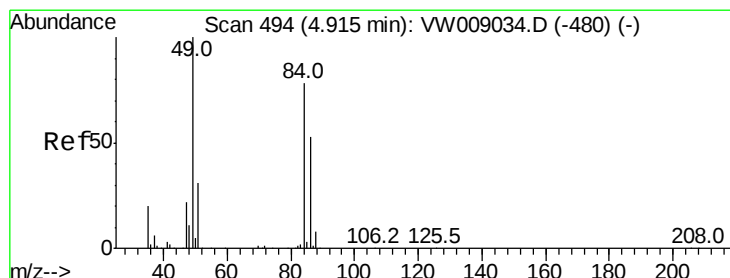
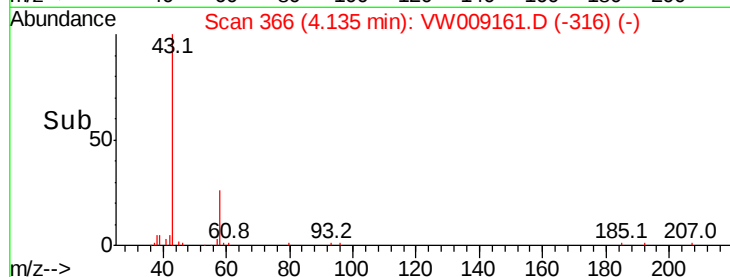
4000

2000

0

Time-->

4.05 4.10 4.15 4.20



#20

Methylene Chloride

Concen: Below Cal

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW009161.D

Acq: 13 Mar 2019 17:49

Tgt Ion: 84 Resp: 12207

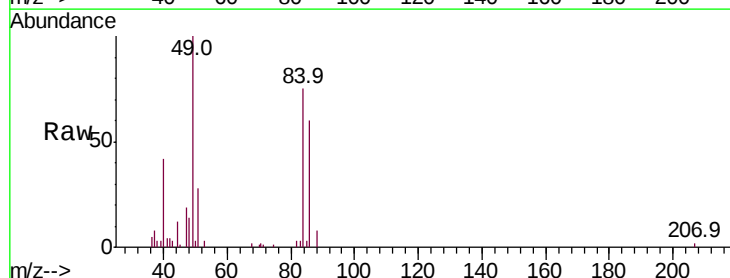
Ion Ratio Lower Upper

84 100

49 134.0 102.4 153.6

51 37.4 31.6 47.4

86 80.8 54.5 81.7



Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW

6000

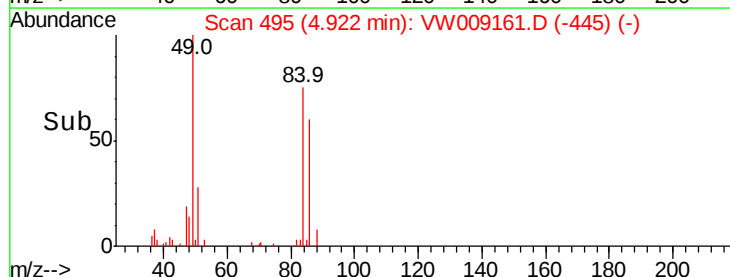
4000

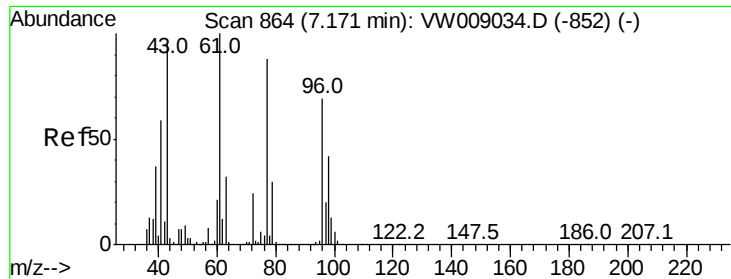
2000

0

Time-->

4.80 4.90 5.00





#25

2-Butanone

Concen: 1.576 ug/l

RT: 7.20 min Scan# 868

Delta R.T. 0.02 min

Lab File: VW009161.D

Acq: 13 Mar 2019 17:49

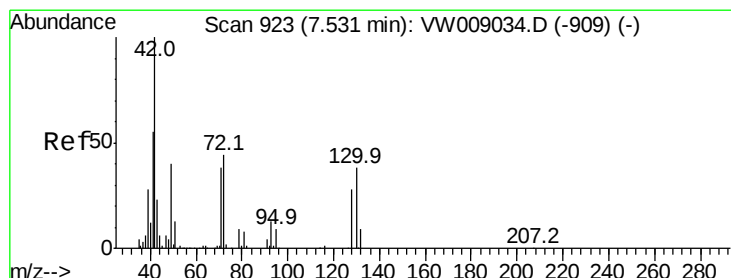
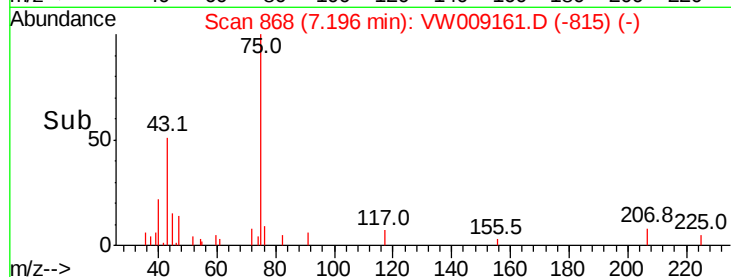
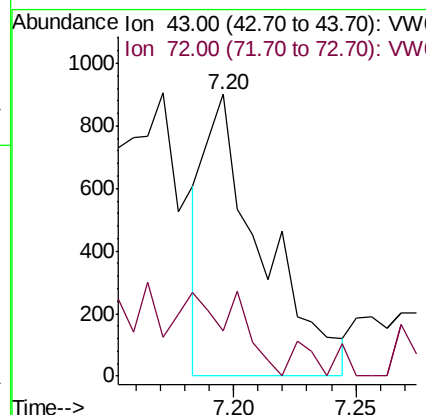
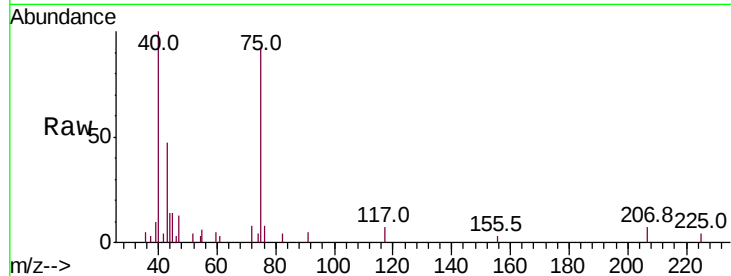
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 1472

Ion Ratio Lower Upper

43 100

72 5.4 20.0 30.0#



#29

Tetrahydrofuran

Concen: 2.546 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW009161.D

Acq: 13 Mar 2019 17:49

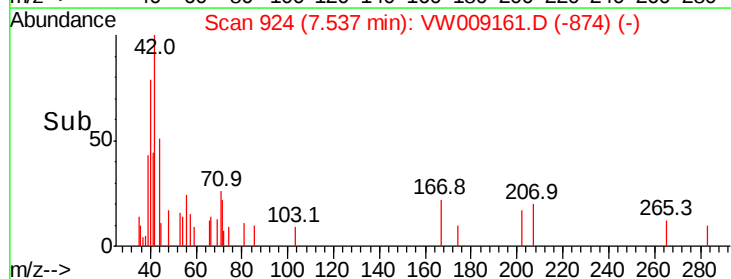
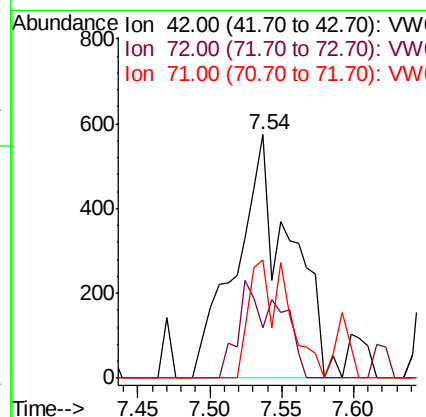
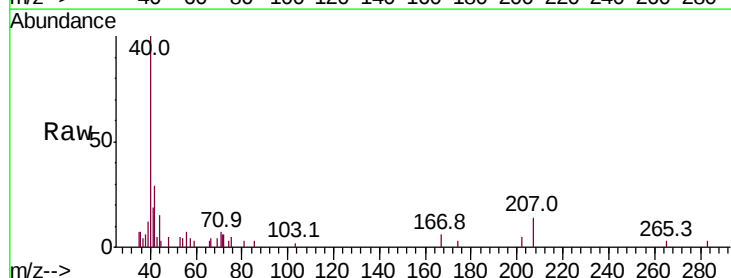
Tgt Ion: 42 Resp: 1499

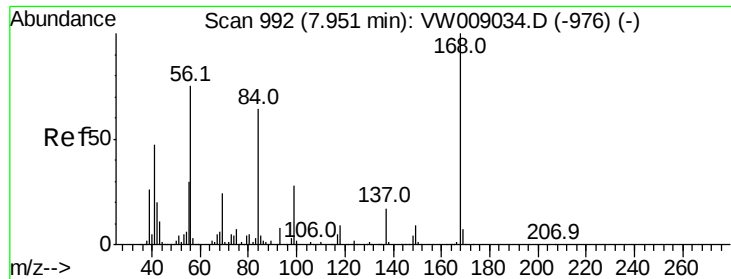
Ion Ratio Lower Upper

42 100

72 17.0 32.2 48.4#

71 34.2 30.7 46.1

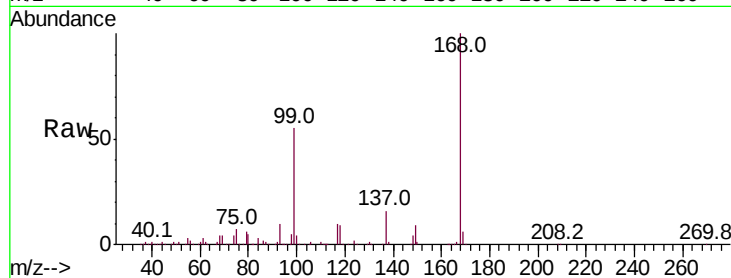




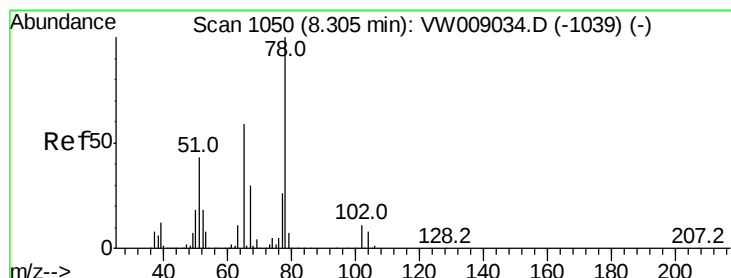
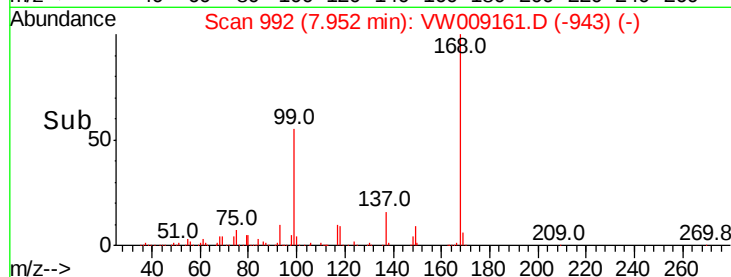
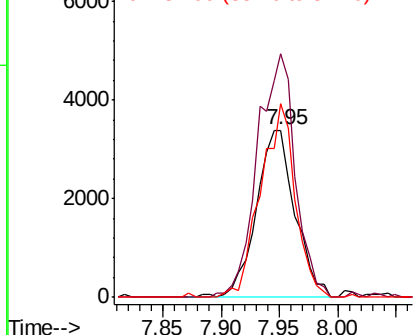
#31
Cyclohexane
Concen: 1.403 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW009161.D
Acq: 13 Mar 2019 17:49

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 56 Resp: 7836
Ion Ratio Lower Upper
56 100
69 145.9 25.5 38.3#
84 116.0 68.6 103.0#

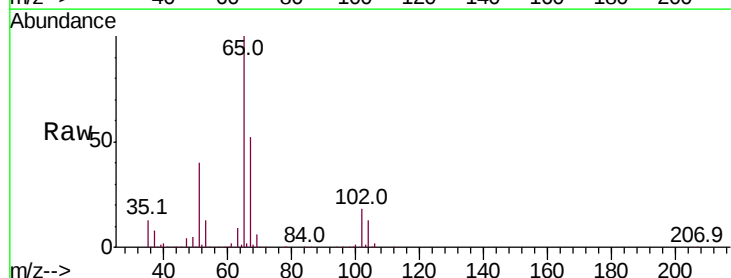


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

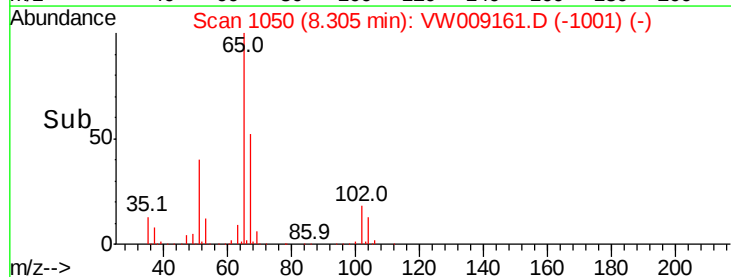
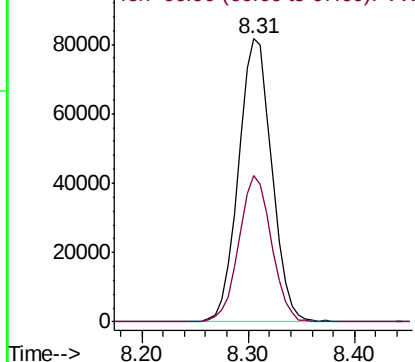


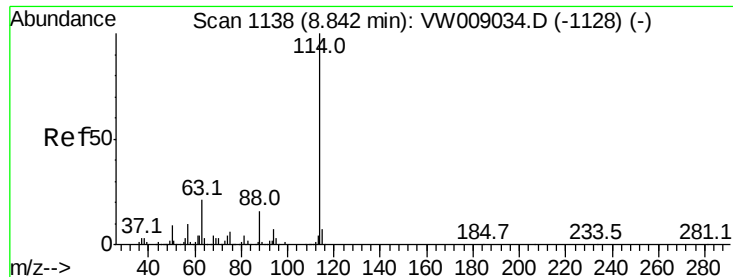
#33
1,2-Dichloroethane-d4
Concen: 60.007 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VW009161.D
Acq: 13 Mar 2019 17:49

Tgt Ion: 65 Resp: 179762
Ion Ratio Lower Upper
65 100
67 50.6 0.0 103.0



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

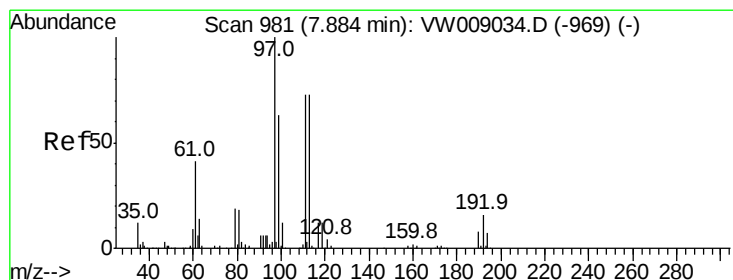
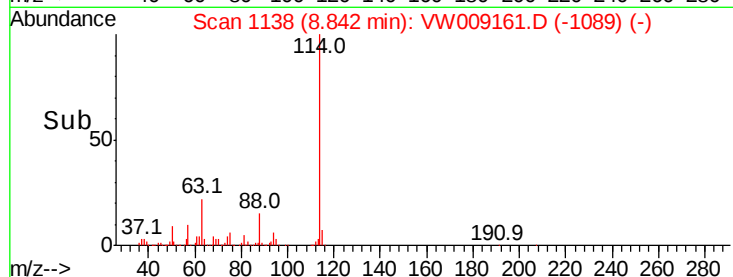
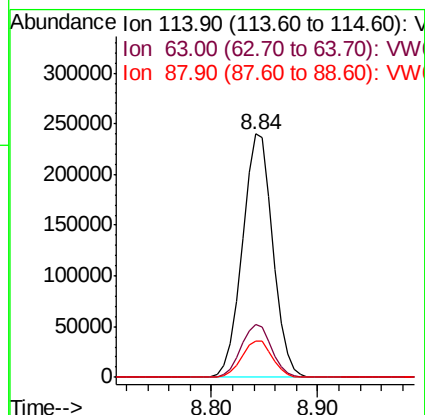
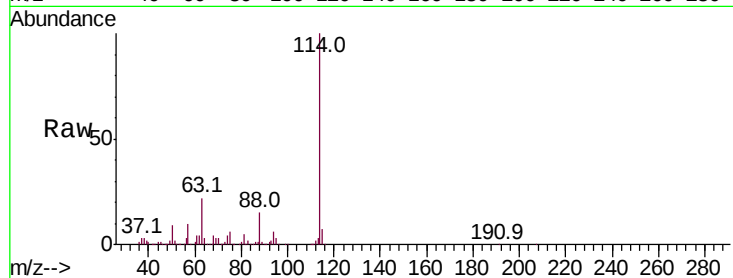




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW009161.D
 Acq: 13 Mar 2019 17:49

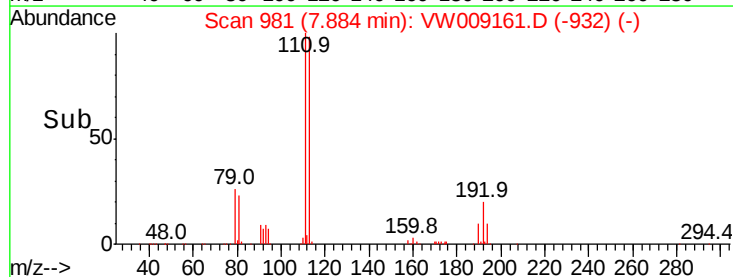
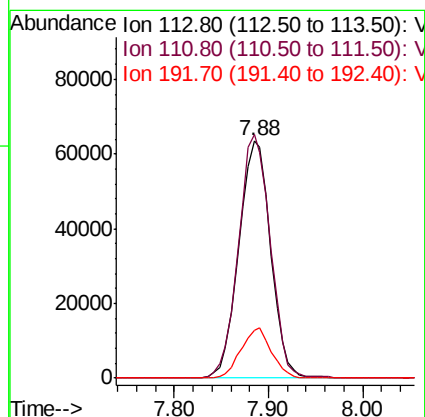
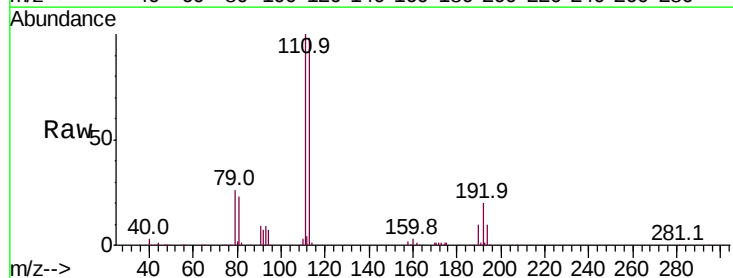
Instrument :
 MSVOA_W
 ClientSampleId :

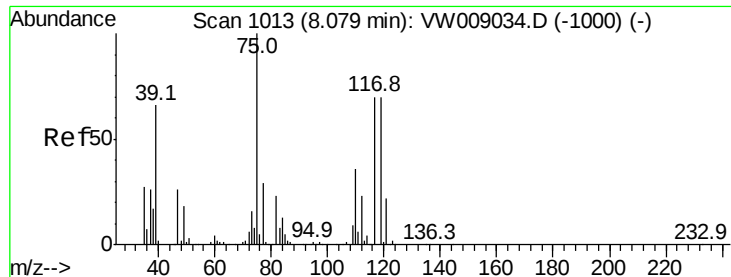
Tot Ion	Ratio	Lower	Upper
114	100		
63	22.0	0.0	41.2
88	15.0	0.0	31.2



#35
 Dibromofluoromethane
 Concen: 51.550 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW009161.D
 Acq: 13 Mar 2019 17:49

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.8	81.0	121.4
192	20.1	17.1	25.7





#36

1,1-Dichloropropene

Concen: 4.826 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW009161.D

Acq: 13 Mar 2019 17:49

Instrument :
MSVOA_W
ClientSampled :

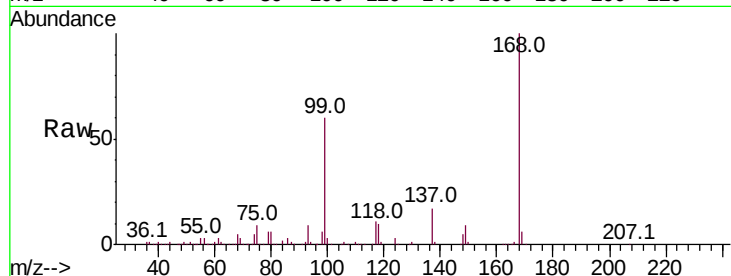
Tot Ion: 75 Resp: 24266

Ion Ratio Lower Upper

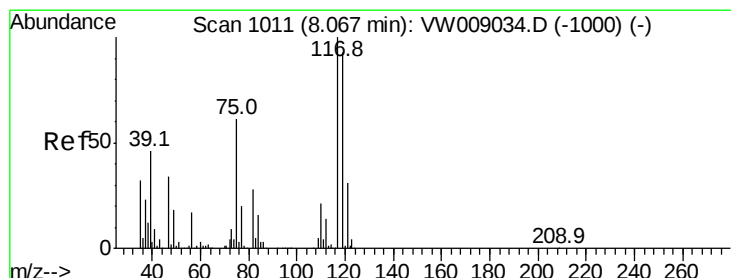
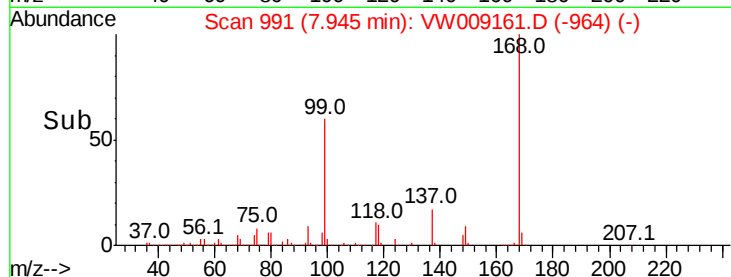
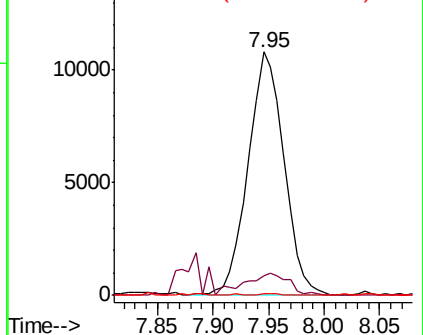
75 100

110 10.1 17.6 52.9#

77 0.4 25.1 37.7#



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: 5.712 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW009161.D

Acq: 13 Mar 2019 17:49

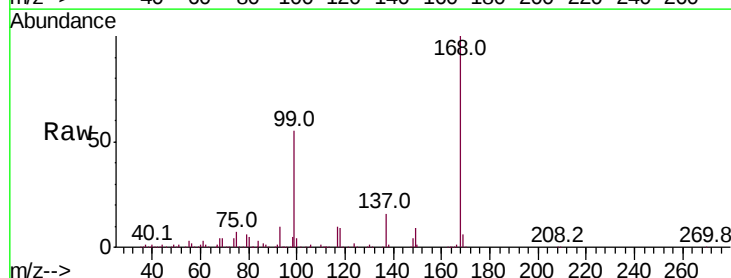
Tgt Ion: 117 Resp: 29659

Ion Ratio Lower Upper

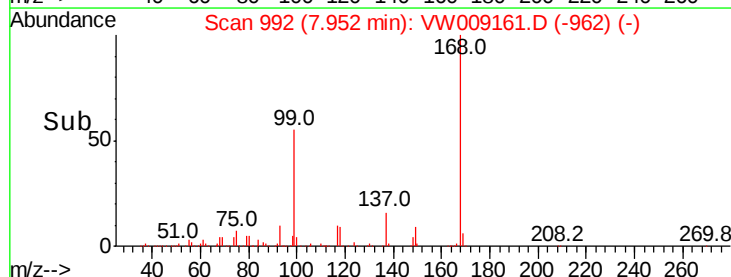
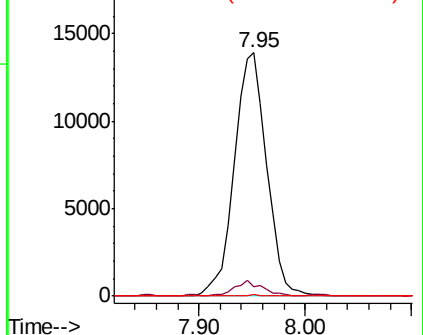
117 100

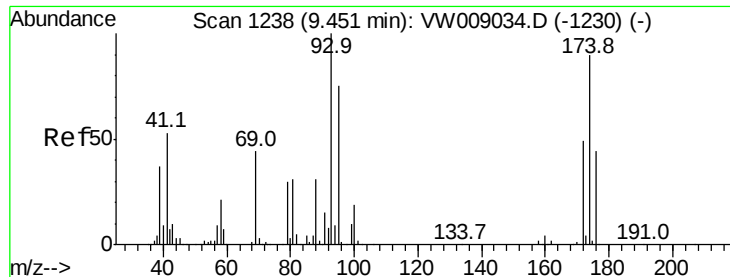
119 3.9 74.6 112.0#

121 0.7 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: 2.891 ug/l

RT: 9.47 min Scan# 1241

Delta R.T. 0.02 min

Lab File: VW009161.D

Acq: 13 Mar 2019 17:49

Instrument :

MSVOA_W

ClientSampled :

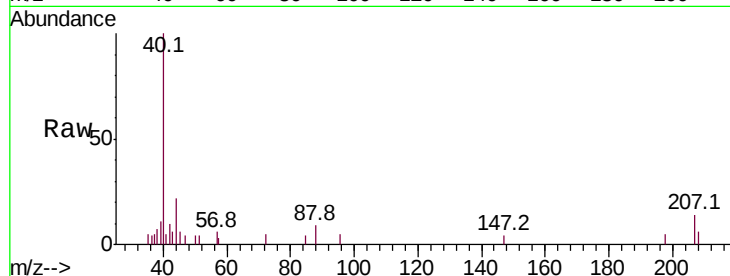
Tot Ion: 88 Resp: 76

Ion Ratio Lower Upper

88 100

43 192.1 29.0 43.4#

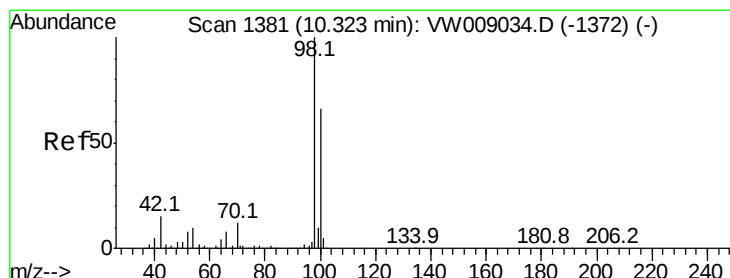
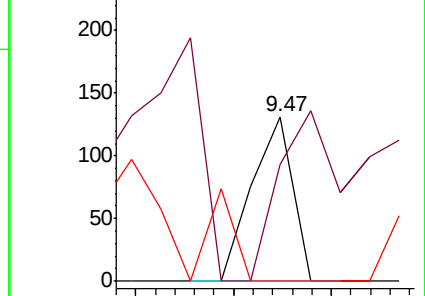
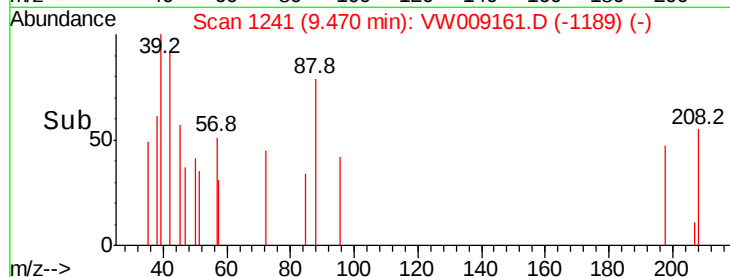
58 0.0 59.2 88.8#



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: 47.906 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW009161.D

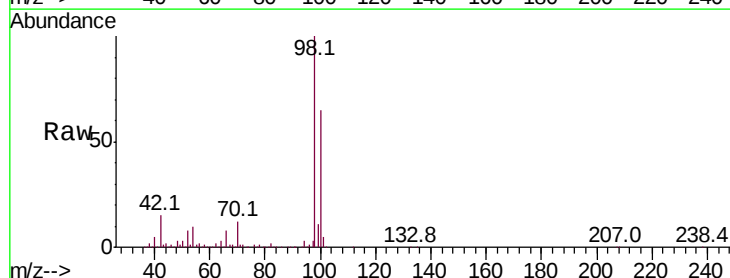
Acq: 13 Mar 2019 17:49

Tgt Ion: 98 Resp: 569646

Ion Ratio Lower Upper

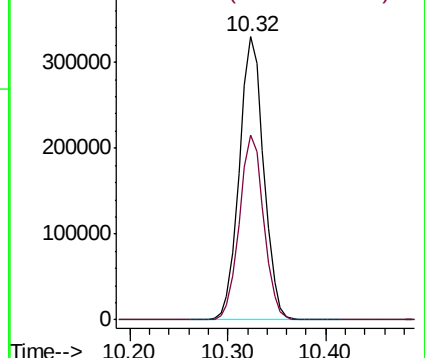
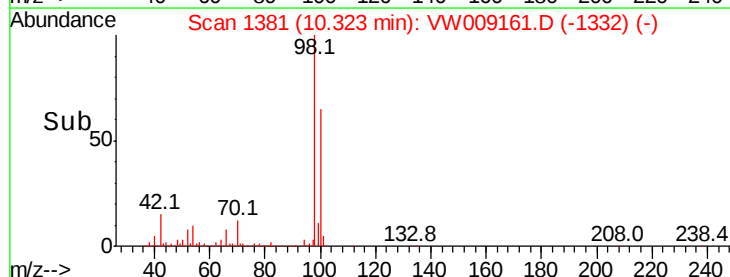
98 100

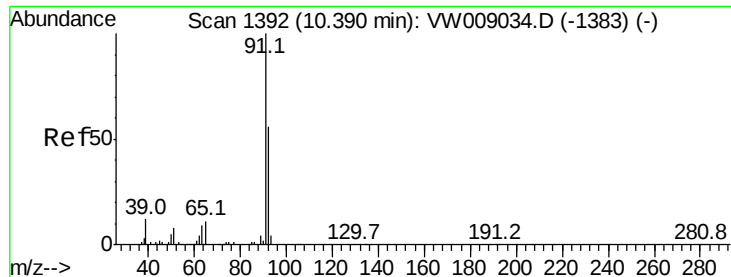
100 65.1 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#52

Toluene

Concen: 7.797 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW009161.D

Acq: 13 Mar 2019 17:49

Instrument :

MSVOA_W

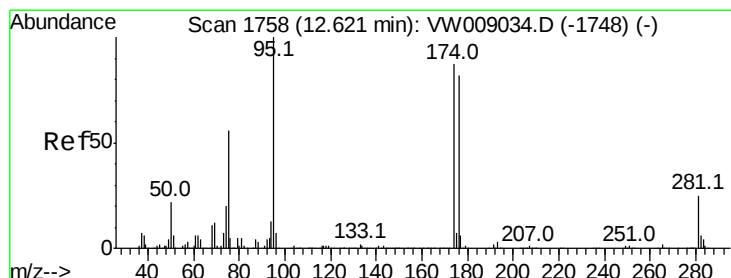
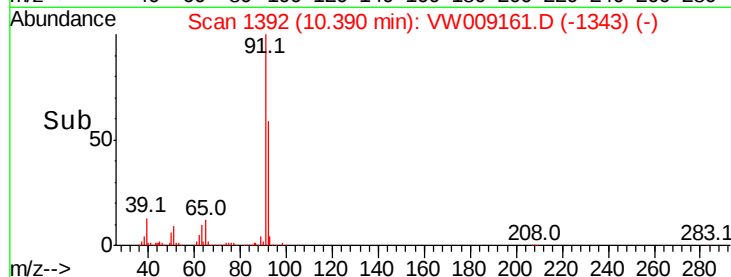
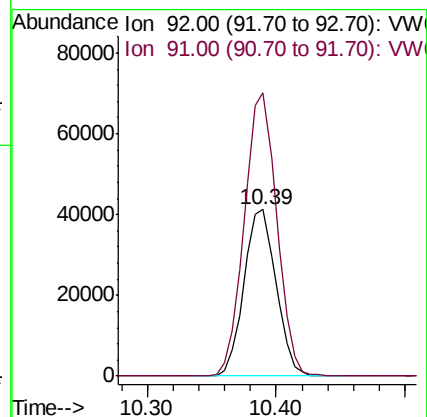
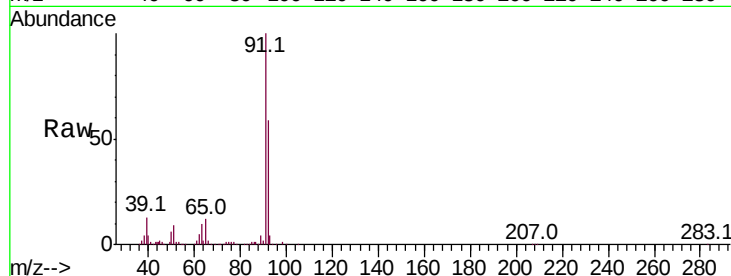
ClientSampled :

Tot Ion: 92 Resp: 70973

Ion Ratio Lower Upper

92 100

91 171.9 139.9 209.9



#62

4-Bromofluorobenzene

Concen: 38.726 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW009161.D

Acq: 13 Mar 2019 17:49

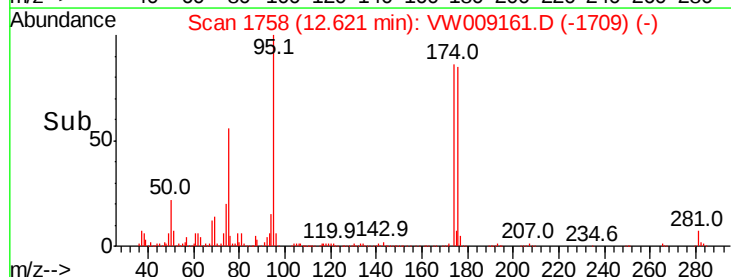
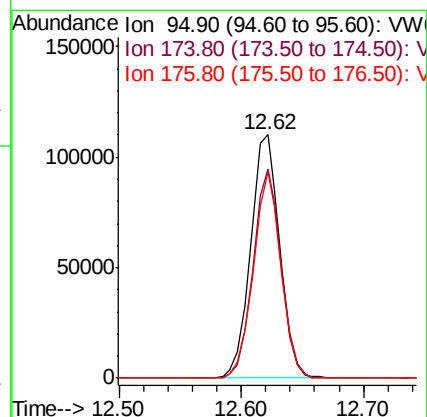
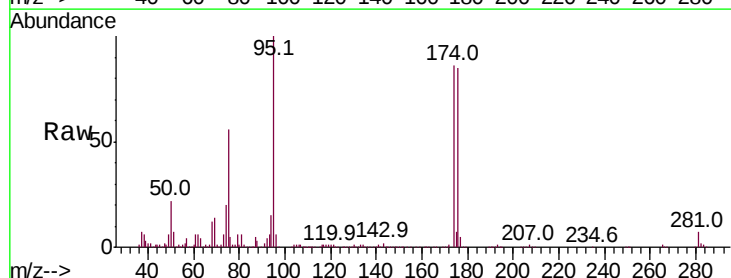
Tgt Ion: 95 Resp: 181276

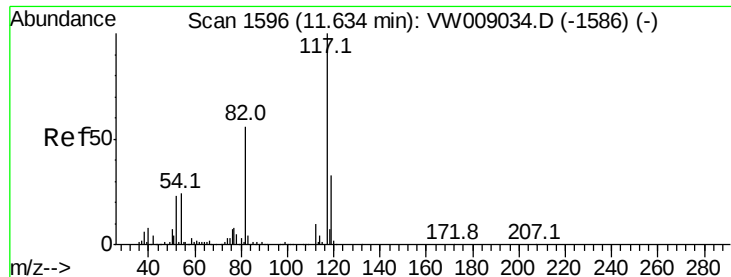
Ion Ratio Lower Upper

95 100

174 83.1 0.0 167.0

176 80.6 0.0 159.4

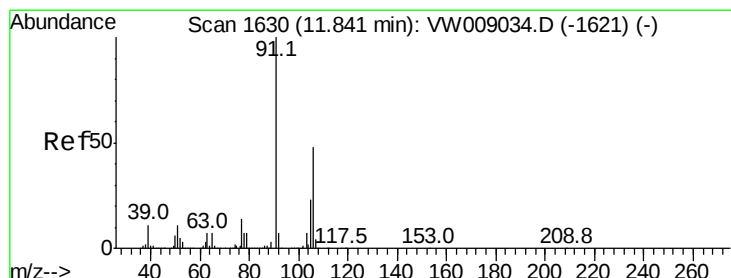
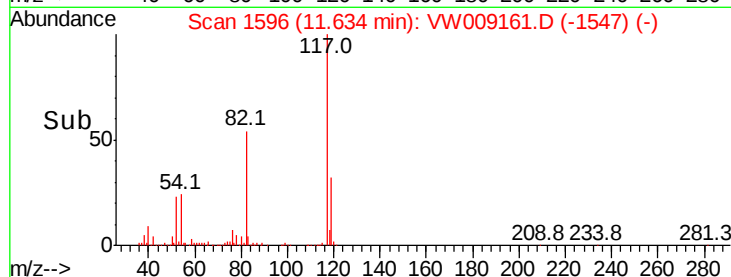
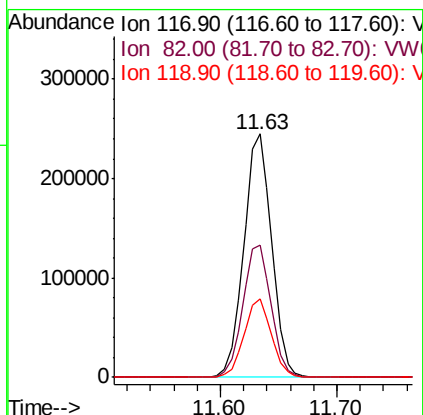
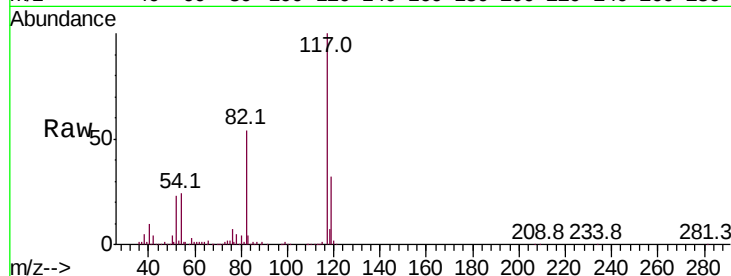




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW009161.D
Acq: 13 Mar 2019 17:49

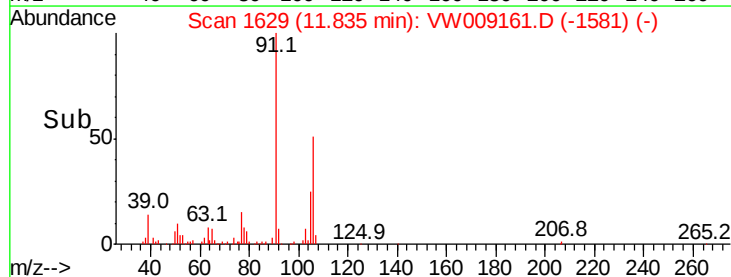
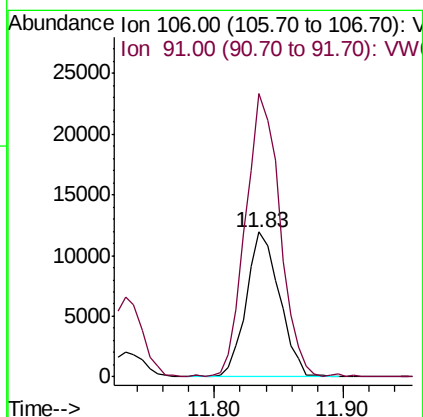
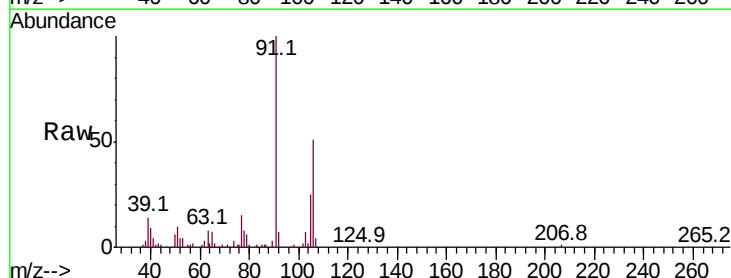
Instrument :
MSVOA_W
ClientSampleId :

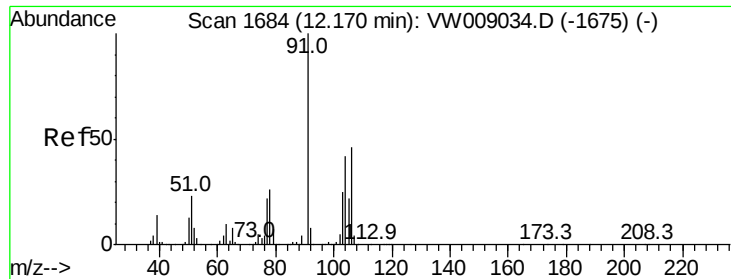
Tot Ion:117 Resp: 407823
Ion Ratio Lower Upper
117 100
82 54.5 45.0 67.6
119 32.0 26.6 39.8



#68
m/p-Xylenes
Concen: 3.364 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW009161.D
Acq: 13 Mar 2019 17:49

Tgt Ion:106 Resp: 21291
Ion Ratio Lower Upper
106 100
91 202.2 163.2 244.8

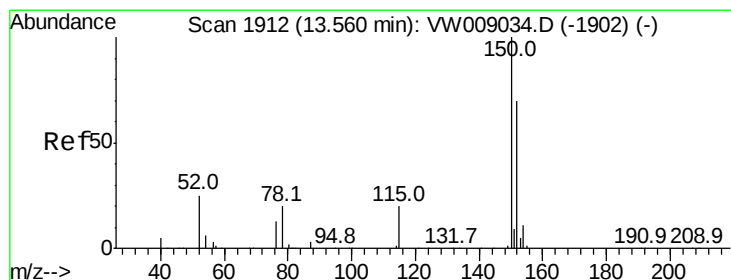
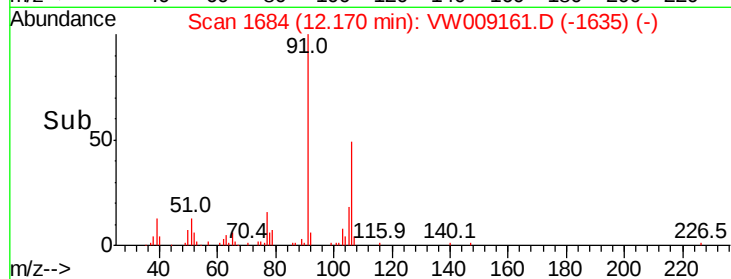
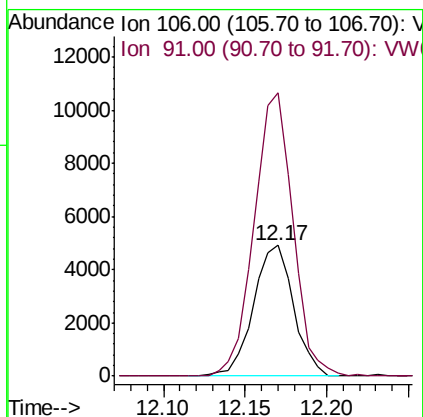
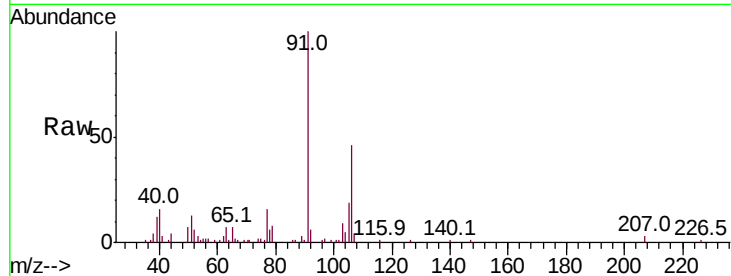




#69
o-Xylene
Concen: 1.416 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW009161.D
Acq: 13 Mar 2019 17:49

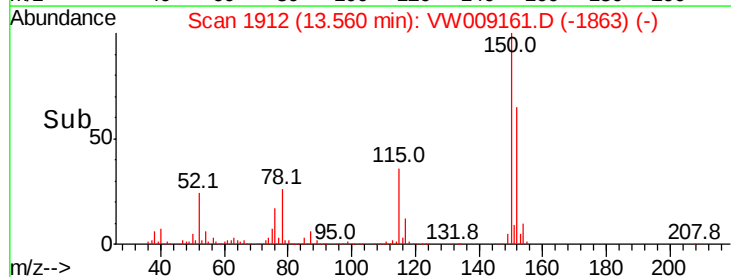
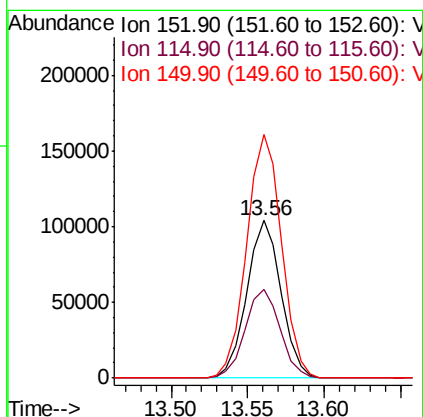
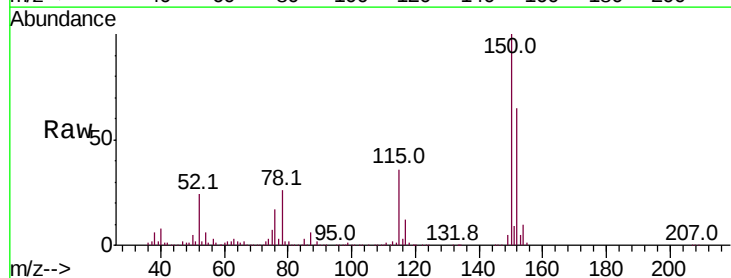
Instrument :
MSVOA_W
ClientSampled :

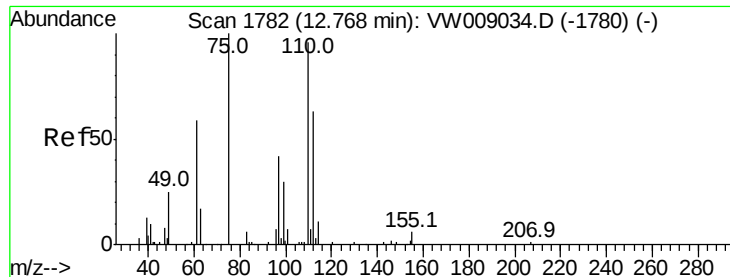
Tot Ion:106 Resp: 8340
Ion Ratio Lower Upper
106 100
91 210.6 108.6 325.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW009161.D
Acq: 13 Mar 2019 17:49

Tgt Ion:152 Resp: 161898
Ion Ratio Lower Upper
152 100
115 57.2 28.9 86.7
150 157.6 0.0 349.2





#76

1,2,3-Trichloropropane

Concen: 77.624 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW009161.D

Acq: 13 Mar 2019 17:49

Instrument :

MSVOA_W

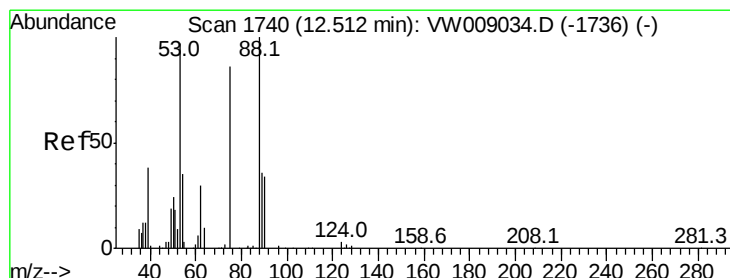
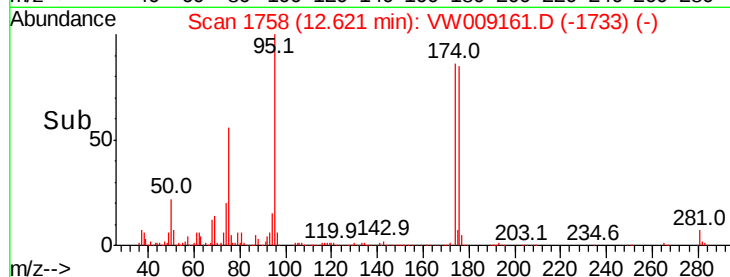
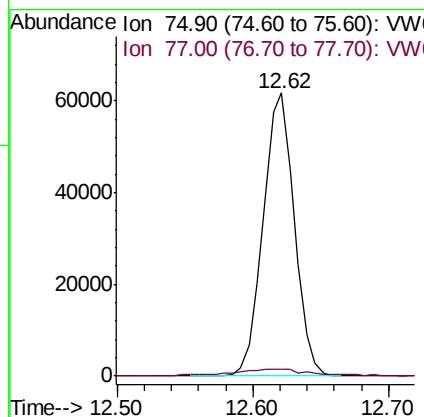
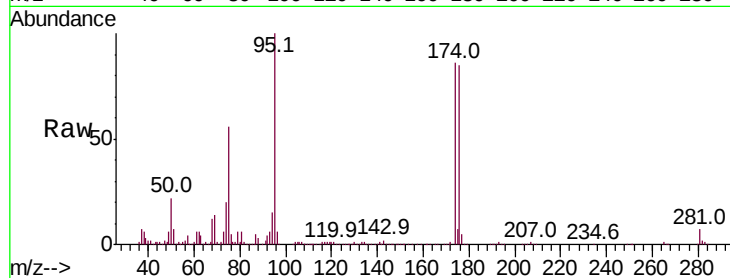
ClientSampled :

Tot Ion: 75 Resp: 99291

Ion Ratio Lower Upper

75 100

77 6.6 186.7 560.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 173.624 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW009161.D

Acq: 13 Mar 2019 17:49

Tgt Ion: 75 Resp: 99291

Ion Ratio Lower Upper

75 100

53 1.7 90.5 135.7#

89 0.0 37.5 56.3#

