

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091019\
 Data File : VW012862.D
 Acq On : 10 Sep 2019 11:27
 Operator : SY/VA
 Sample : VW0910SBL01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0910SBL01

Quant Time: Sep 10 15:01:46 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

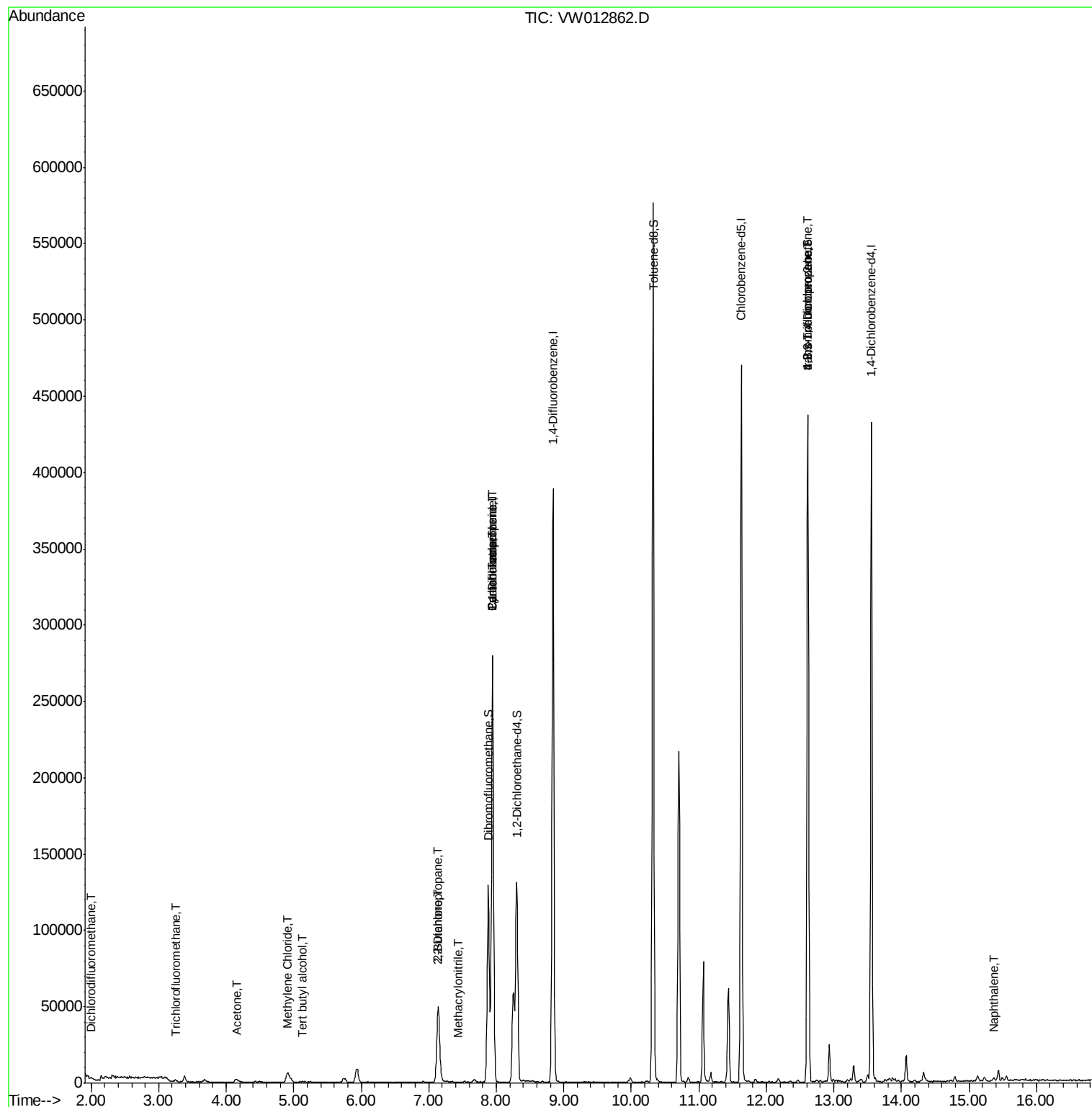
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	217874	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	315051	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	260749	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	113848	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	109113	44.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.64%	
35) Dibromofluoromethane	7.88	113	90400	48.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.52%	
50) Toluene-d8	10.32	98	367652	50.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.20%	
62) 4-Bromofluorobenzene	12.62	95	120929	45.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.78%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.00	85	1255	1.063	ug/l	83
7) Trichlorofluoromethane	3.26	101	1332	1.097	ug/l #	75
11) Tert butyl alcohol	5.13	59	706	3.790	ug/l #	72
16) Acetone	4.16	43	4433	6.680	ug/l #	87
20) Methylene Chloride	4.90	84	4961	2.389	ug/l #	79
25) 2-Butanone	7.13	43	2995	22.504	ug/l #	90
26) 2,2-Dichloropropane	7.13	77	3628	1.445	ug/l #	55
31) Cyclohexane	7.95	56	4683	1.309	ug/l #	2
36) 1,1-Dichloropropene	7.95	75	16083	5.745	ug/l #	50
38) Carbon Tetrachloride	7.95	117	20360	7.378	ug/l #	17
41) Methacrylonitrile	7.43	41	39	3.868	ug/l #	27
76) 1,2,3-Trichloropropane	12.62	75	62221	53.448	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	62221	113.046	ug/l #	7
95) Naphthalene	15.37	128	2056	4.831	ug/l #	95

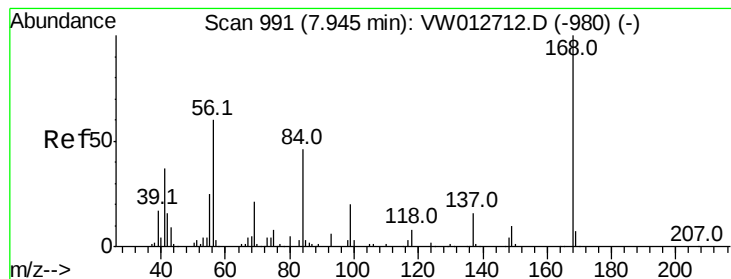
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012862.D

Acq: 10 Sep 2019 11:27

Instrument :

MSVOA_W

ClientSampleId :

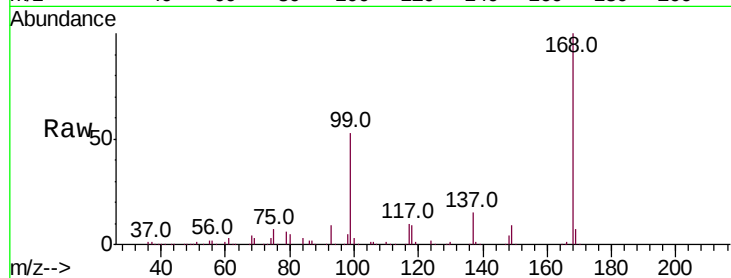
VW0910SBL01

Tot Ion:168 Resp: 217874

Ion Ratio Lower Upper

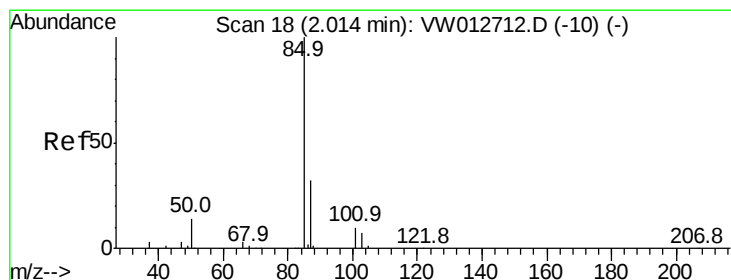
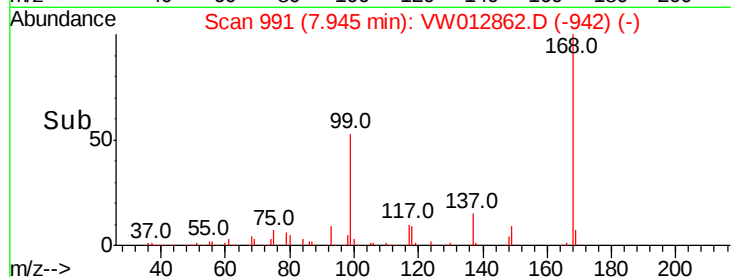
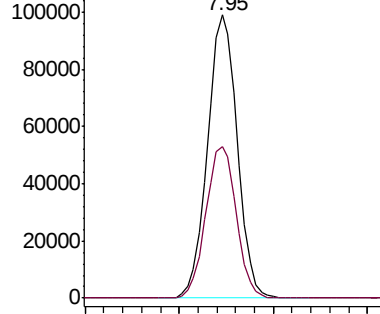
168 100

99 53.4 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 1.063 ug/l

RT: 2.00 min Scan# 16

Delta R.T. -0.01 min

Lab File: VW012862.D

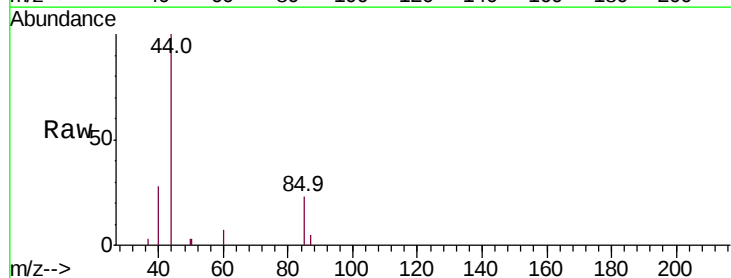
Acq: 10 Sep 2019 11:27

Tgt Ion: 85 Resp: 1255

Ion Ratio Lower Upper

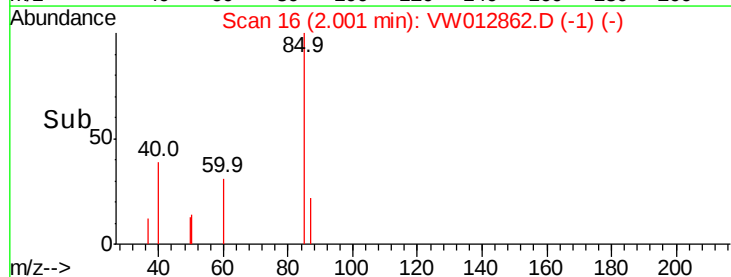
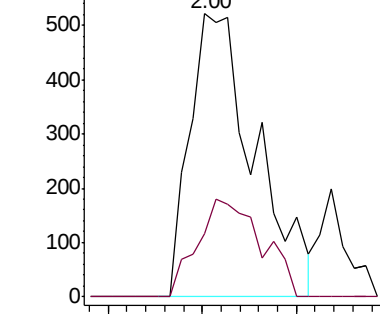
85 100

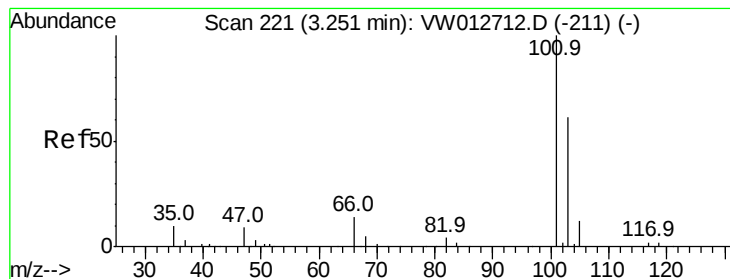
87 22.4 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW



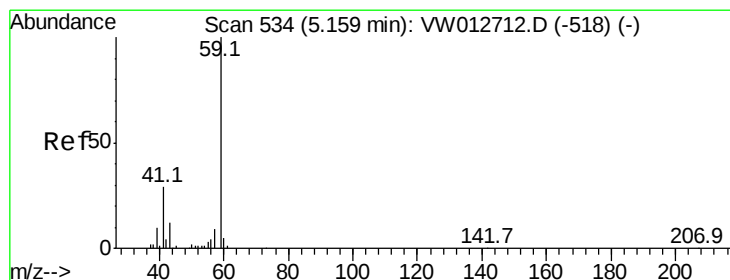
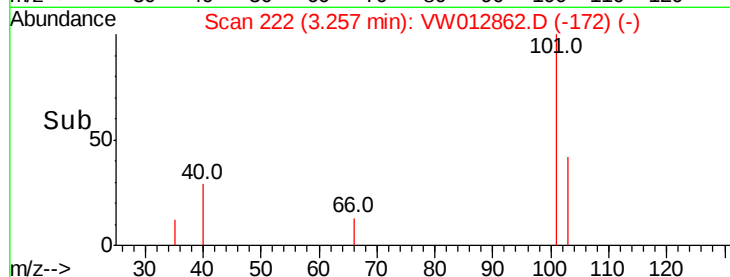
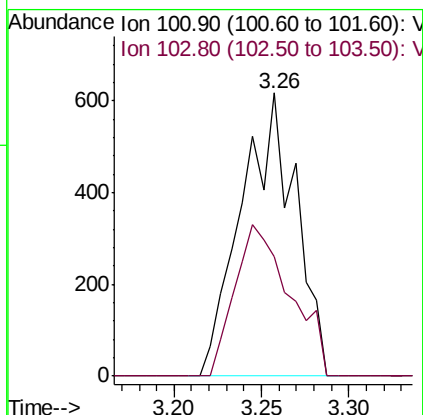
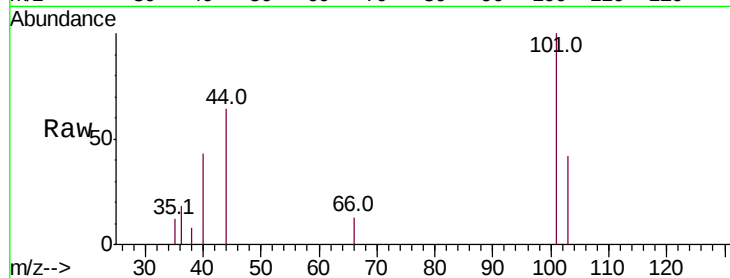


#7

Trichlorofluoromethane
 Concen: 1.097 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. 0.01 min
 Lab File: VW012862.D
 Acq: 10 Sep 2019 11:27

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0910SBL01

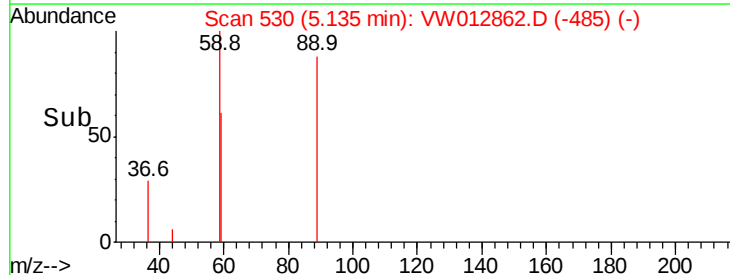
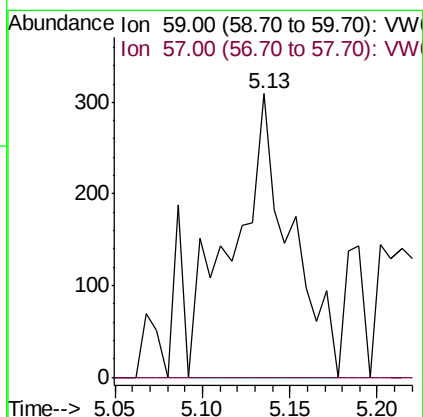
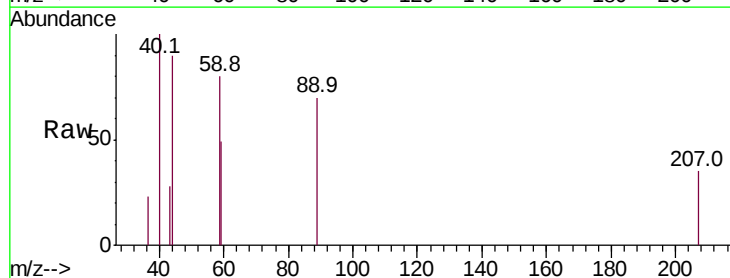
Tot Ion:101 Resp: 1332
 Ion Ratio Lower Upper
 101 100
 103 42.1 49.0 73.4#

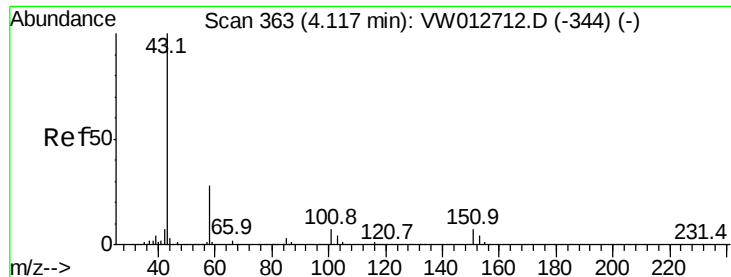


#11

Tert butyl alcohol
 Concen: 3.790 ug/l
 RT: 5.13 min Scan# 530
 Delta R.T. -0.02 min
 Lab File: VW012862.D
 Acq: 10 Sep 2019 11:27

Tgt Ion: 59 Resp: 706
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.4#





#16

Acetone

Concen: 6.680 ug/l

RT: 4.16 min Scan# 370

Delta R.T. 0.04 min

Lab File: VW012862.D

Acq: 10 Sep 2019 11:27

Instrument :

MSVOA_W

ClientSampleId :

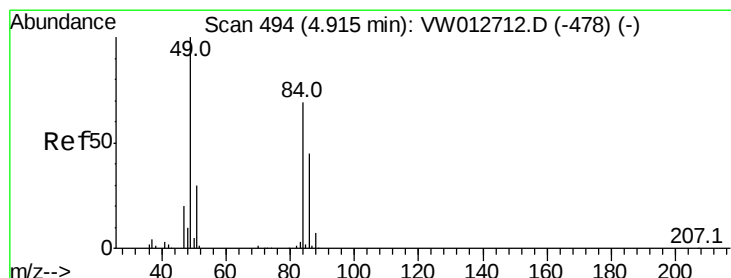
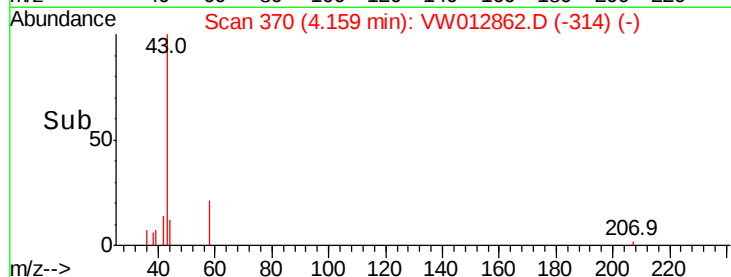
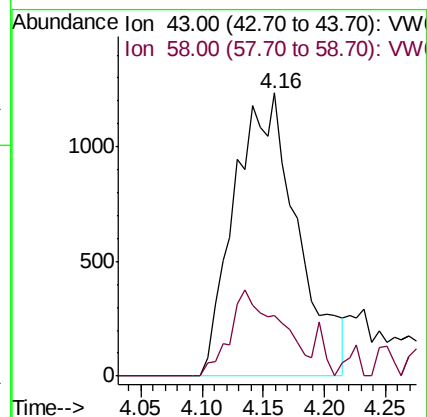
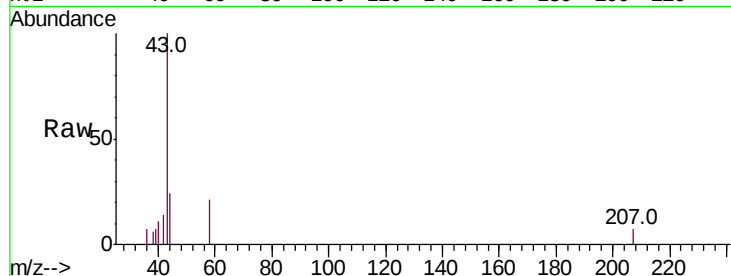
VW0910SBL01

Tot Ion: 43 Resp: 4433

Ion Ratio Lower Upper

43 100

58 21.4 22.6 33.8#



#20

Methylene Chloride

Concen: 2.389 ug/l

RT: 4.90 min Scan# 492

Delta R.T. -0.01 min

Lab File: VW012862.D

Acq: 10 Sep 2019 11:27

Tgt Ion: 84 Resp: 4961

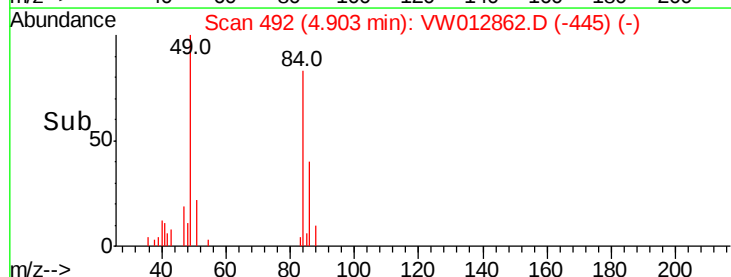
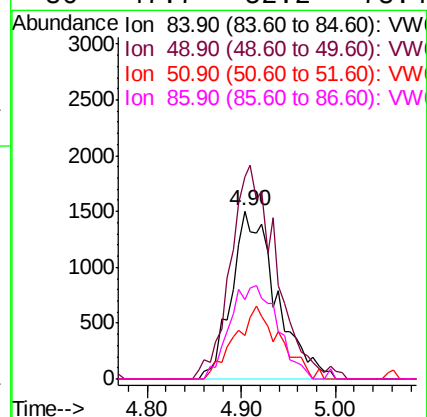
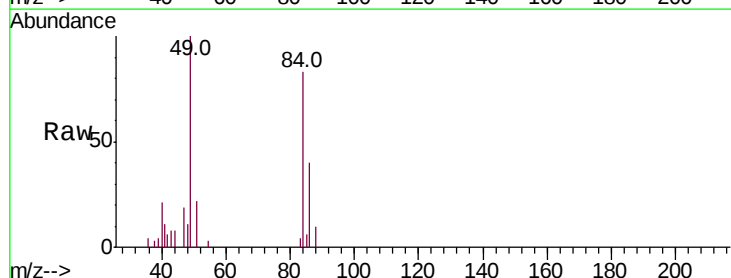
Ion Ratio Lower Upper

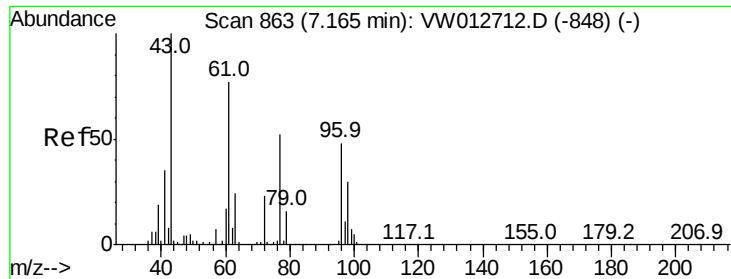
84 100

49 120.5 115.4 173.0

51 26.1 34.9 52.3#

86 47.7 52.2 78.4#





#25

2-Butanone

Concen: 22.504 ug/l

RT: 7.13 min Scan# 858

Delta R.T. -0.03 min

Lab File: VW012862.D

Acq: 10 Sep 2019 11:27

Instrument :

MSVOA_W

ClientSampleId :

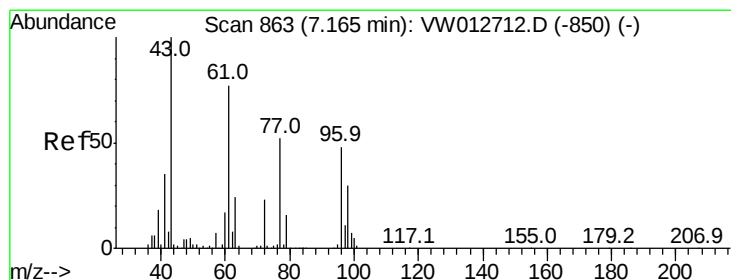
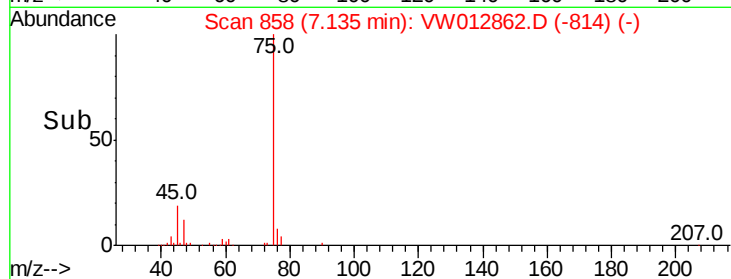
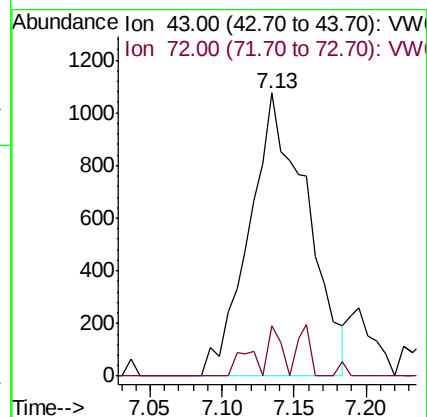
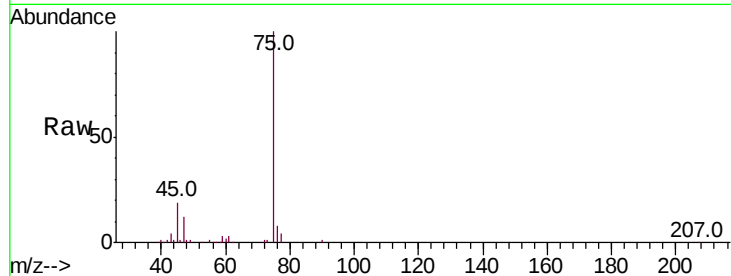
VW0910SBL01

Tot Ion: 43 Resp: 2995

Ion Ratio Lower Upper

43 100

72 17.8 18.0 27.0#



#26

2,2-Dichloropropane

Concen: 1.445 ug/l

RT: 7.13 min Scan# 857

Delta R.T. -0.04 min

Lab File: VW012862.D

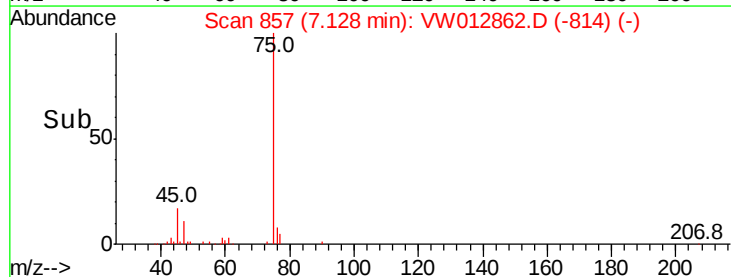
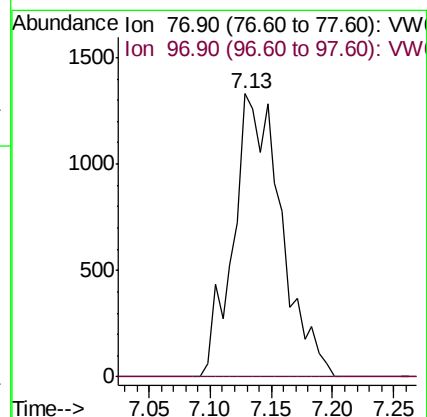
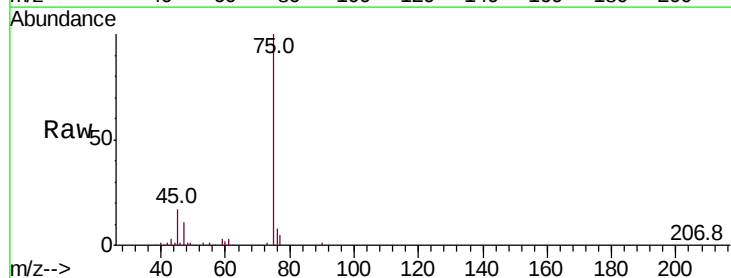
Acq: 10 Sep 2019 11:27

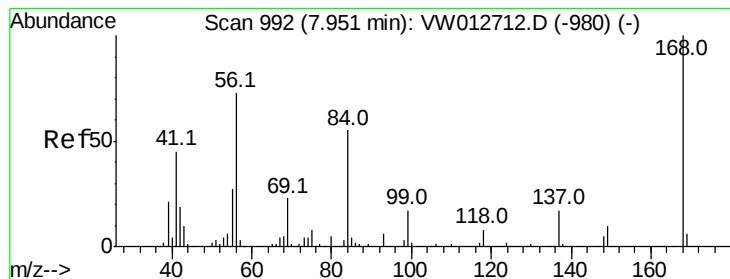
Tgt Ion: 77 Resp: 3628

Ion Ratio Lower Upper

77 100

97 0.0 10.7 32.1#





#31

Cyclohexane

Concen: 1.309 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012862.D

Acq: 10 Sep 2019 11:27

Instrument :

MSVOA_W

ClientSampleId :

VW0910SBL01

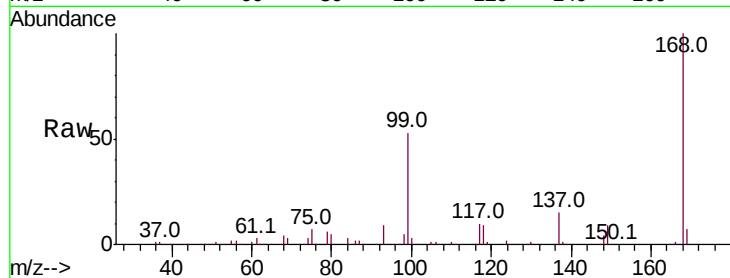
Tot Ion: 56 Resp: 4683

Ion Ratio Lower Upper

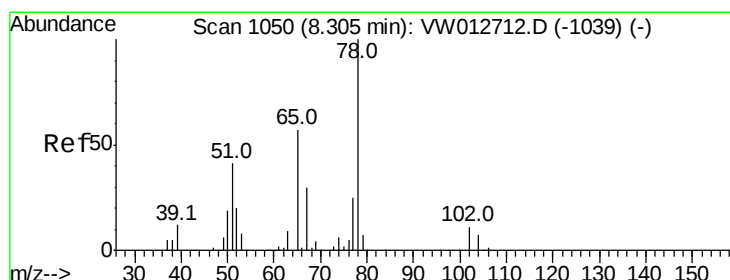
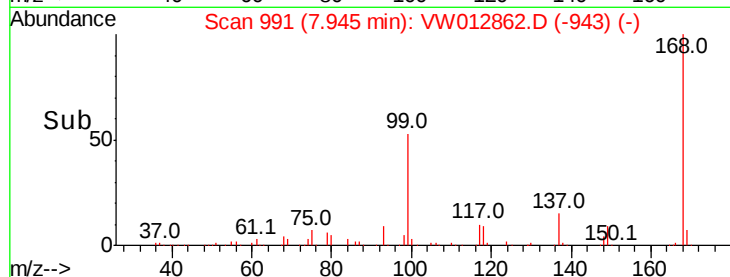
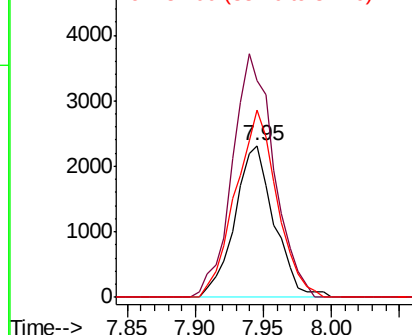
56 100

69 142.6 25.7 38.5#

84 123.4 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: 44.822 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012862.D

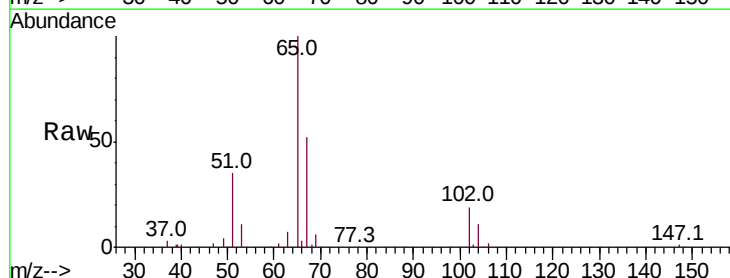
Acq: 10 Sep 2019 11:27

Tgt Ion: 65 Resp: 109113

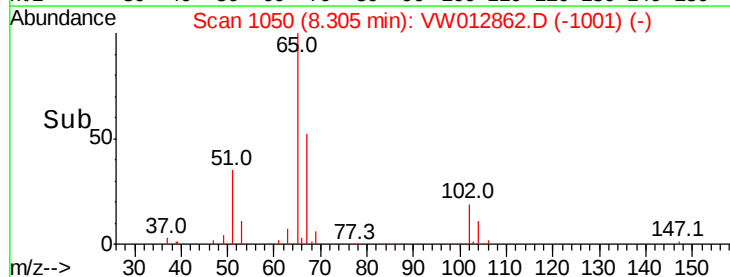
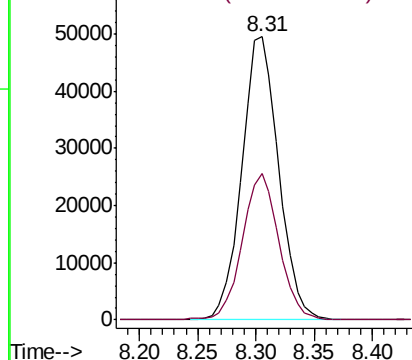
Ion Ratio Lower Upper

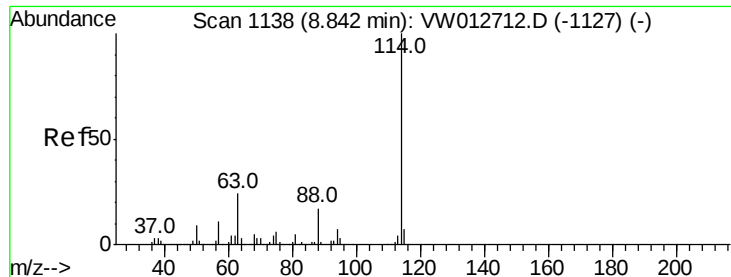
65 100

67 51.6 0.0 101.8



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: VW012862.D

Acq: 10 Sep 2019 11:27

Instrument :

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ClientSampleId :

VW0910SBL01

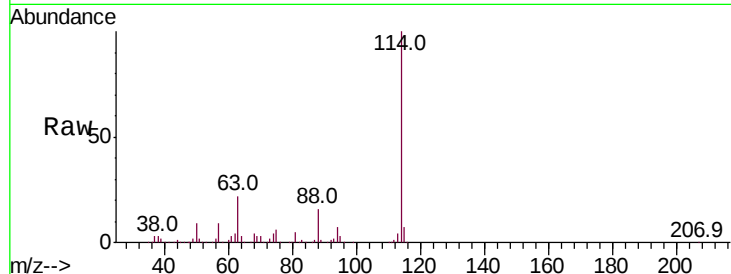
Tot Ion:114 Resp: 315051

Ion Ratio Lower Upper

114 100

63 21.9 0.0 47.2

88 16.0 0.0 34.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

200000

150000

100000

50000

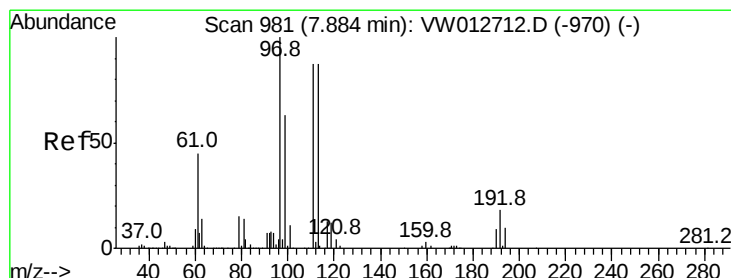
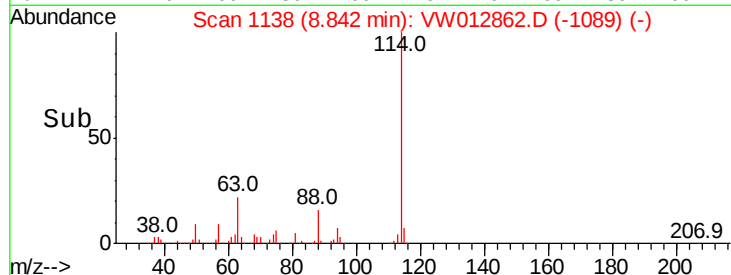
0

8.84

8.80

8.90

Time-->



#35

Dibromofluoromethane

Concen: 48.263 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012862.D

Acq: 10 Sep 2019 11:27

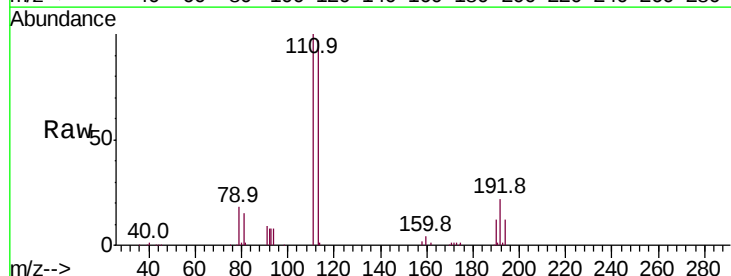
Tgt Ion:113 Resp: 90400

Ion Ratio Lower Upper

113 100

111 104.1 80.2 120.4

192 22.5 17.3 25.9



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

50000

40000

30000

20000

10000

0

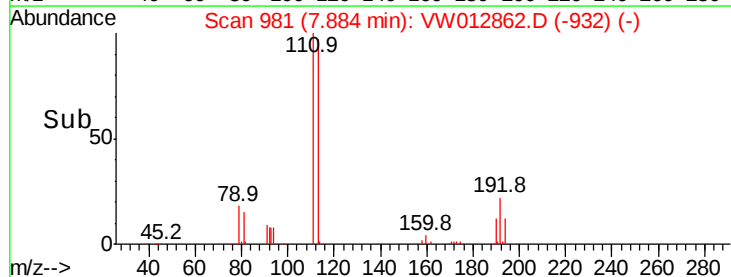
7.88

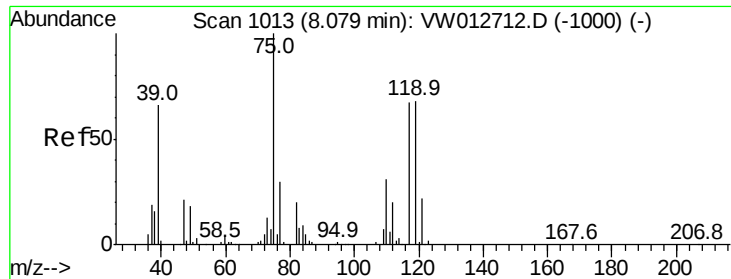
7.80

7.90

8.00

Time-->





#36

1,1-Dichloropropene

Concen: 5.745 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW012862.D

Acq: 10 Sep 2019 11:27

Instrument :

MSVOA_W

ClientSampleId :

VW0910SBL01

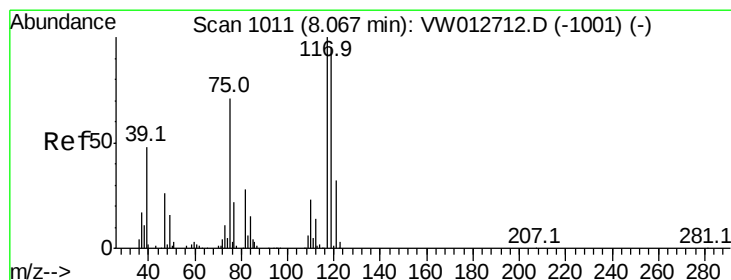
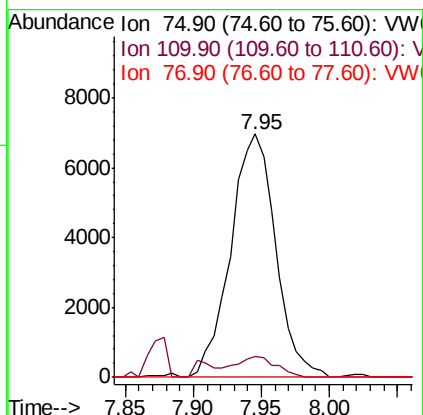
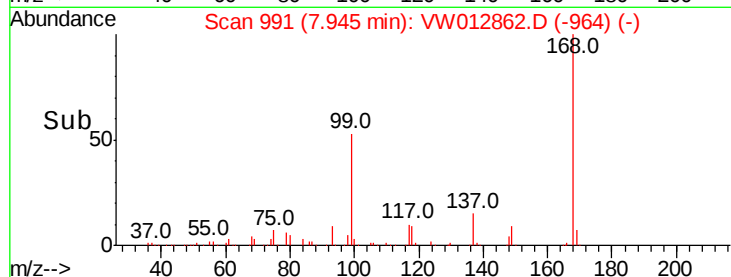
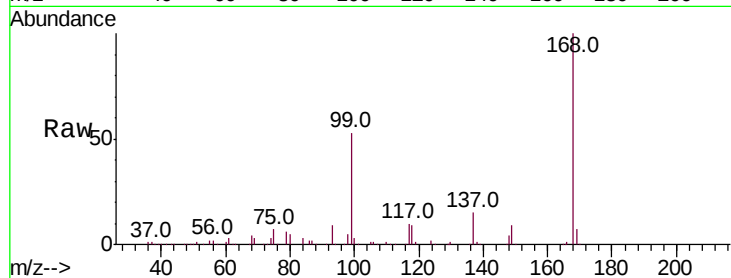
Tot Ion: 75 Resp: 16083

Ion Ratio Lower Upper

75 100

110 7.6 15.9 47.7#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 7.378 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012862.D

Acq: 10 Sep 2019 11:27

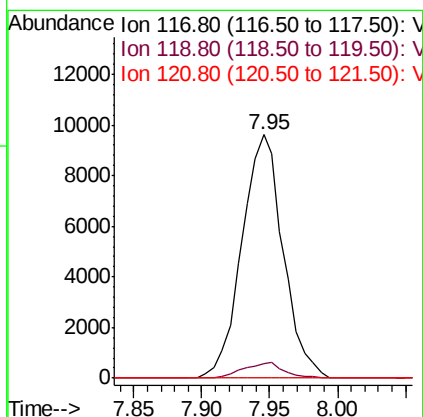
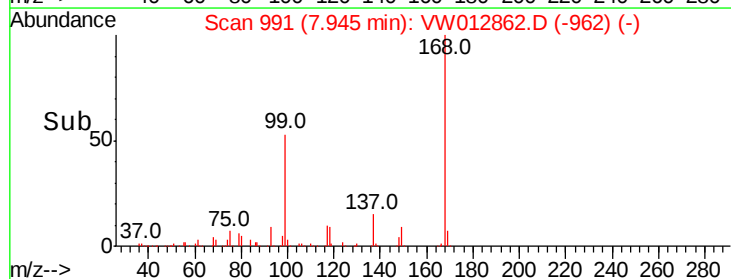
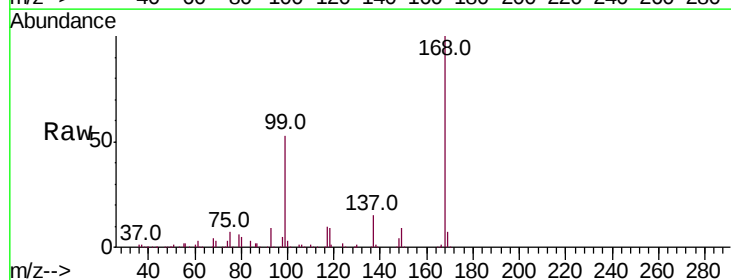
Tgt Ion: 117 Resp: 20360

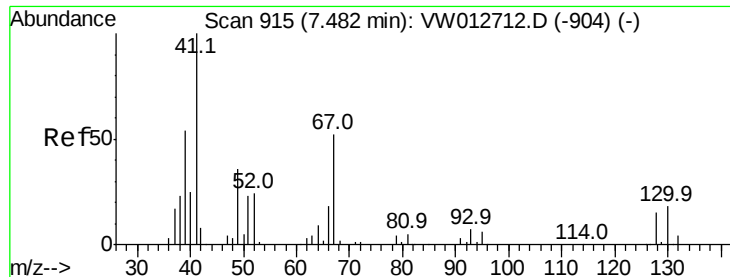
Ion Ratio Lower Upper

117 100

119 5.8 76.2 114.2#

121 0.0 25.4 38.2#





#41

Methacrylonitrile

Concen: 3.868 ug/l

RT: 7.43 min Scan# 906

Delta R.T. -0.05 min

Lab File: VW012862.D

Acq: 10 Sep 2019 11:27

Instrument :

MSVOA_W

ClientSampleId :

VW0910SBL01

Tot Ion: 41 Resp: 39

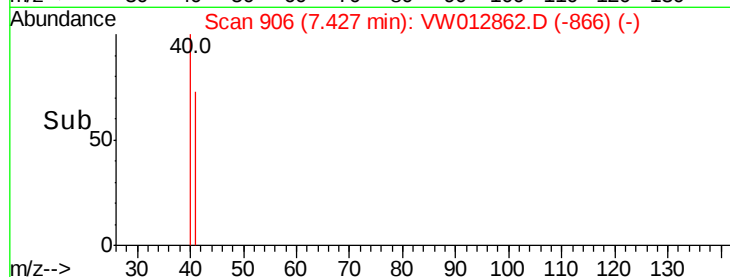
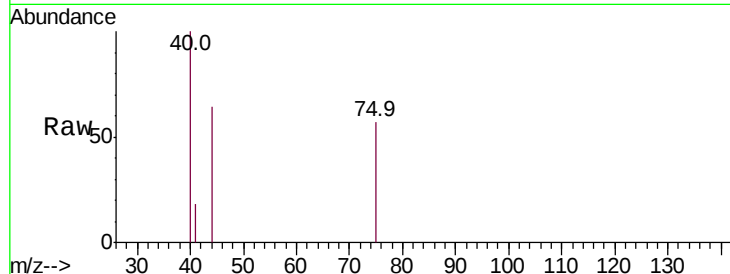
Ion Ratio Lower Upper

41 100

39 0.0 47.5 71.3#

67 0.0 45.1 67.7#

52 0.0 20.2 30.2#

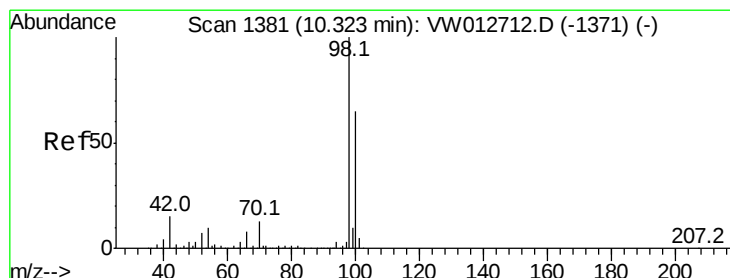
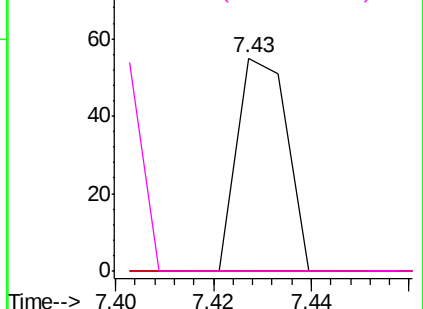


Abundance Ion 41.00 (40.70 to 41.70): VW

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: 50.101 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012862.D

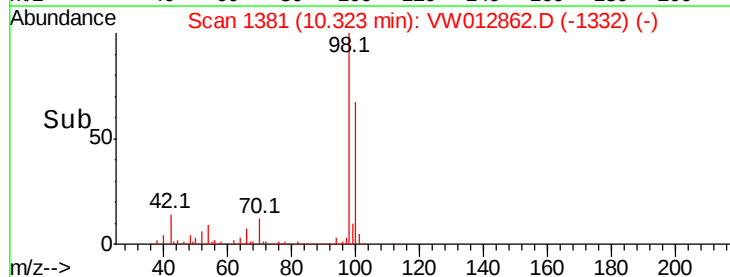
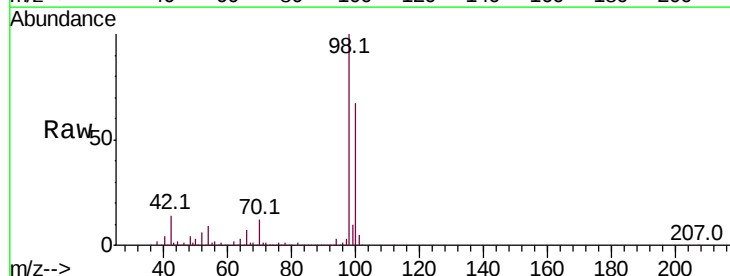
Acq: 10 Sep 2019 11:27

Tgt Ion: 98 Resp: 367652

Ion Ratio Lower Upper

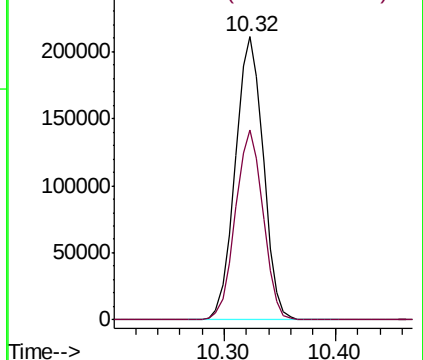
98 100

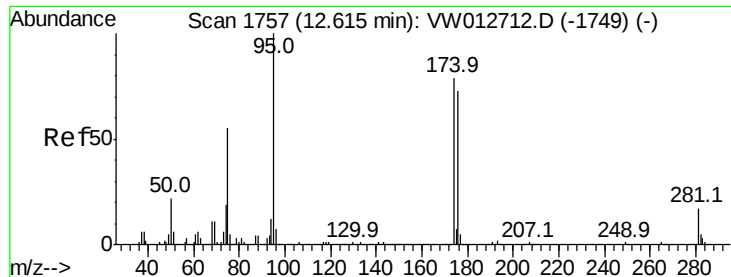
100 66.2 52.2 78.4



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

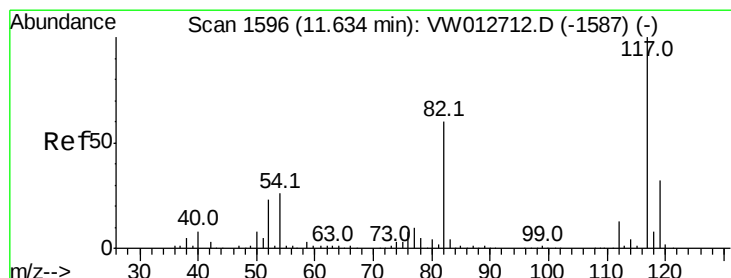
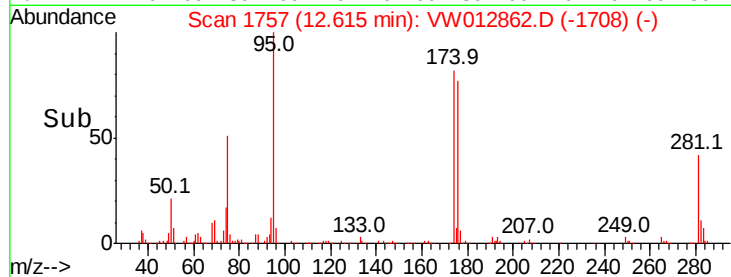
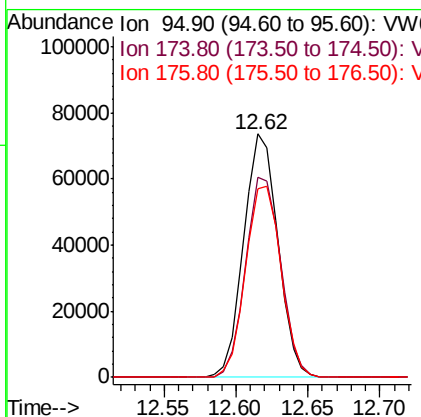
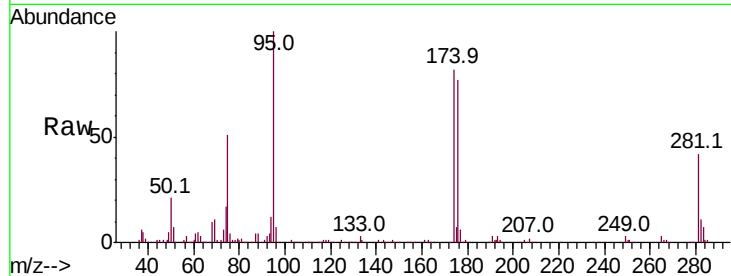




#62
4-Bromofluorobenzene
Concen: 45.394 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012862.D
Acq: 10 Sep 2019 11:27

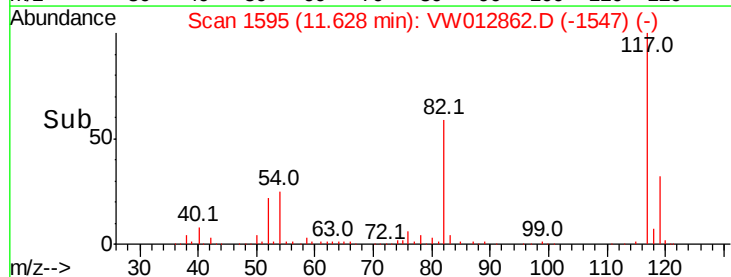
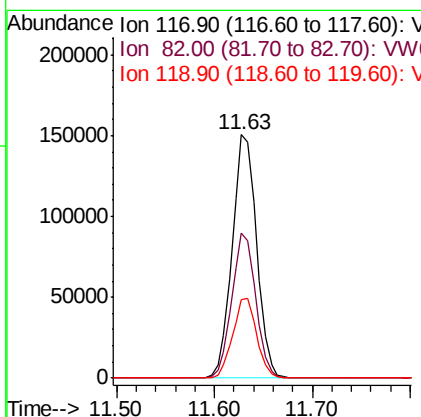
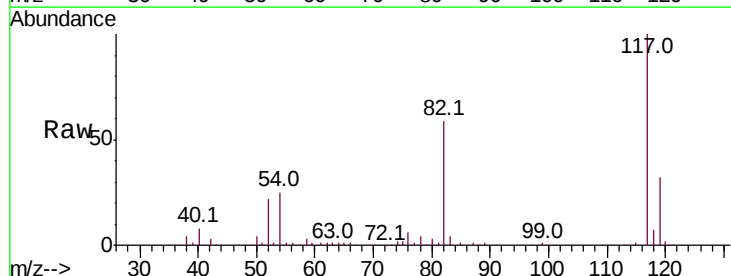
Instrument :
MSVOA_W
ClientSampleId :
VW0910SBL01

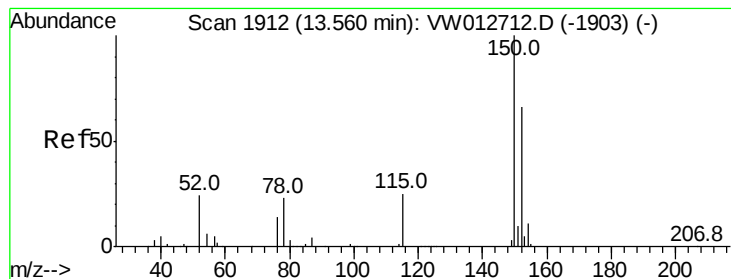
Tot Ion	Ratio	Lower	Upper
95	100		
174	84.0	0.0	161.0
176	81.6	0.0	156.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012862.D
Acq: 10 Sep 2019 11:27

Tgt Ion	Ratio	Lower	Upper
117	100		
82	59.4	48.2	72.4
119	32.5	25.8	38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW012862.D

Acq: 10 Sep 2019 11:27

Instrument :

MSVOA_W

ClientSampleId :

VW0910SBL01

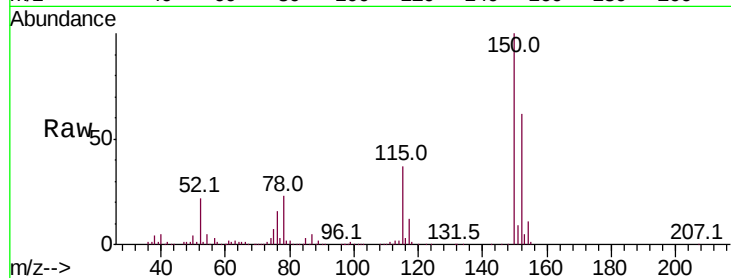
Tot Ion:152 Resp: 113848

Ion Ratio Lower Upper

152 100

115 59.2 30.0 90.1

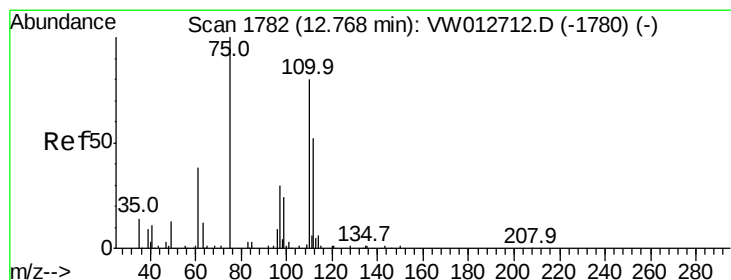
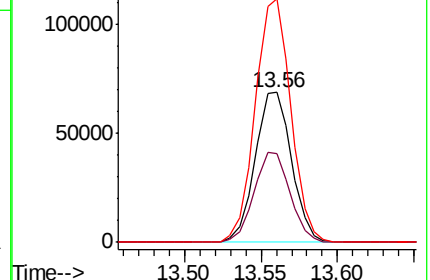
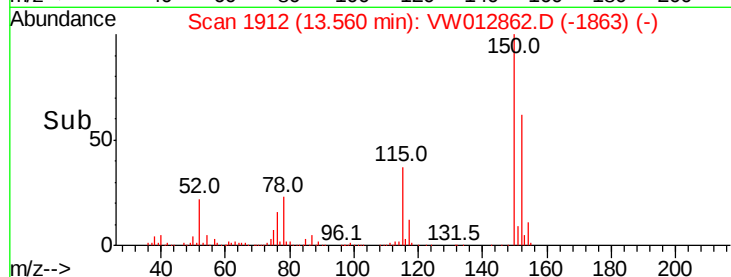
150 158.9 0.0 349.0



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: 53.448 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012862.D

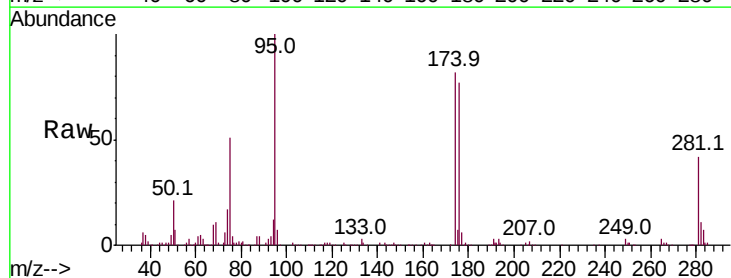
Acq: 10 Sep 2019 11:27

Tgt Ion: 75 Resp: 62221

Ion Ratio Lower Upper

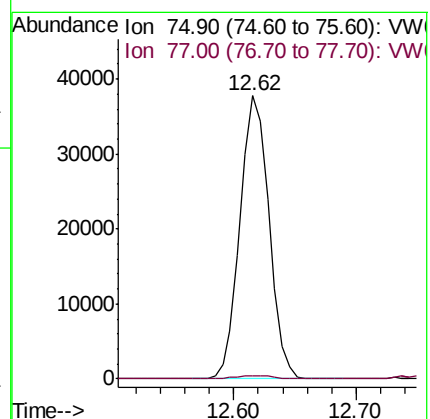
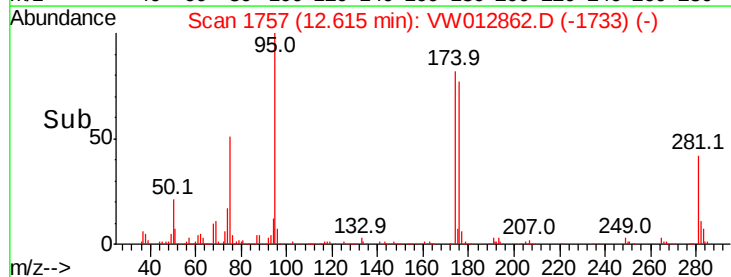
75 100

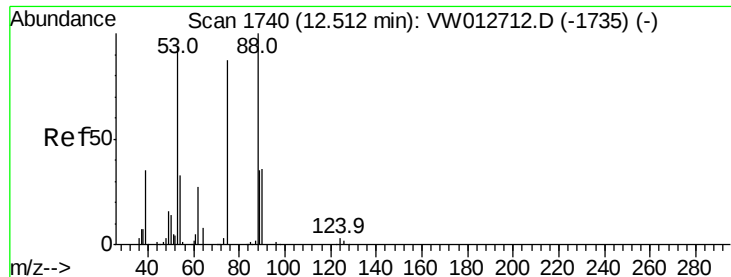
77 1.3 0.0 0.0#



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: 113.046 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012862.D

Acq: 10 Sep 2019 11:27

Instrument :

MSVOA_W

ClientSampleId :

VW0910SBL01

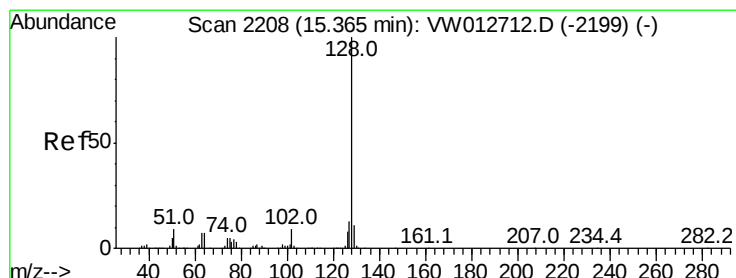
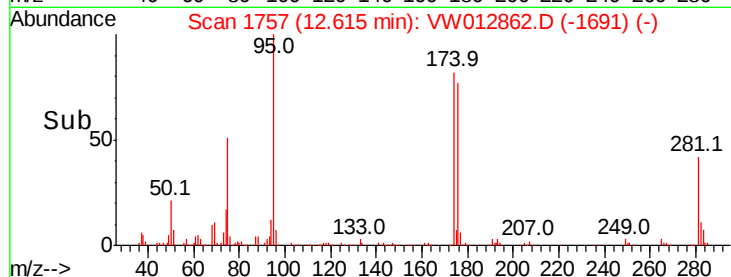
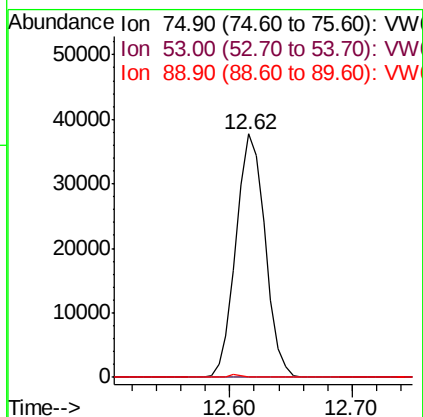
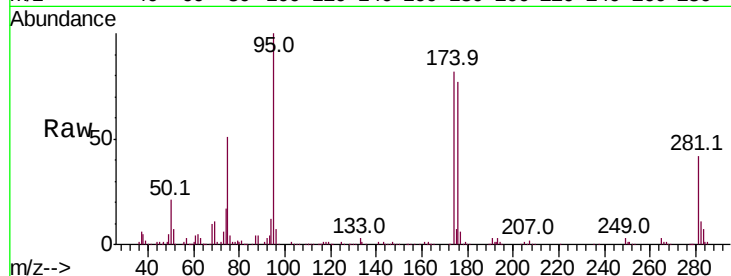
Tot Ion: 75 Resp: 62221

Ion Ratio Lower Upper

75 100

53 0.0 87.6 131.4#

89 0.5 35.5 53.3#



#95

Naphthalene

Concen: 4.831 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW012862.D

Acq: 10 Sep 2019 11:27

Tgt Ion:128 Resp: 2056

Ion Ratio Lower Upper

128 100

127 10.3 10.7 16.1#

129 10.2 8.7 13.1

