

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082719\
 Data File : VW012231.D
 Acq On : 28 Aug 2019 03:42
 Operator : SY/VA
 Sample : K4086-05
 Misc : 4.46G/5ML/MSVOA_W/SOIL
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 NB-07-082619

Quant Time: Aug 28 05:04:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

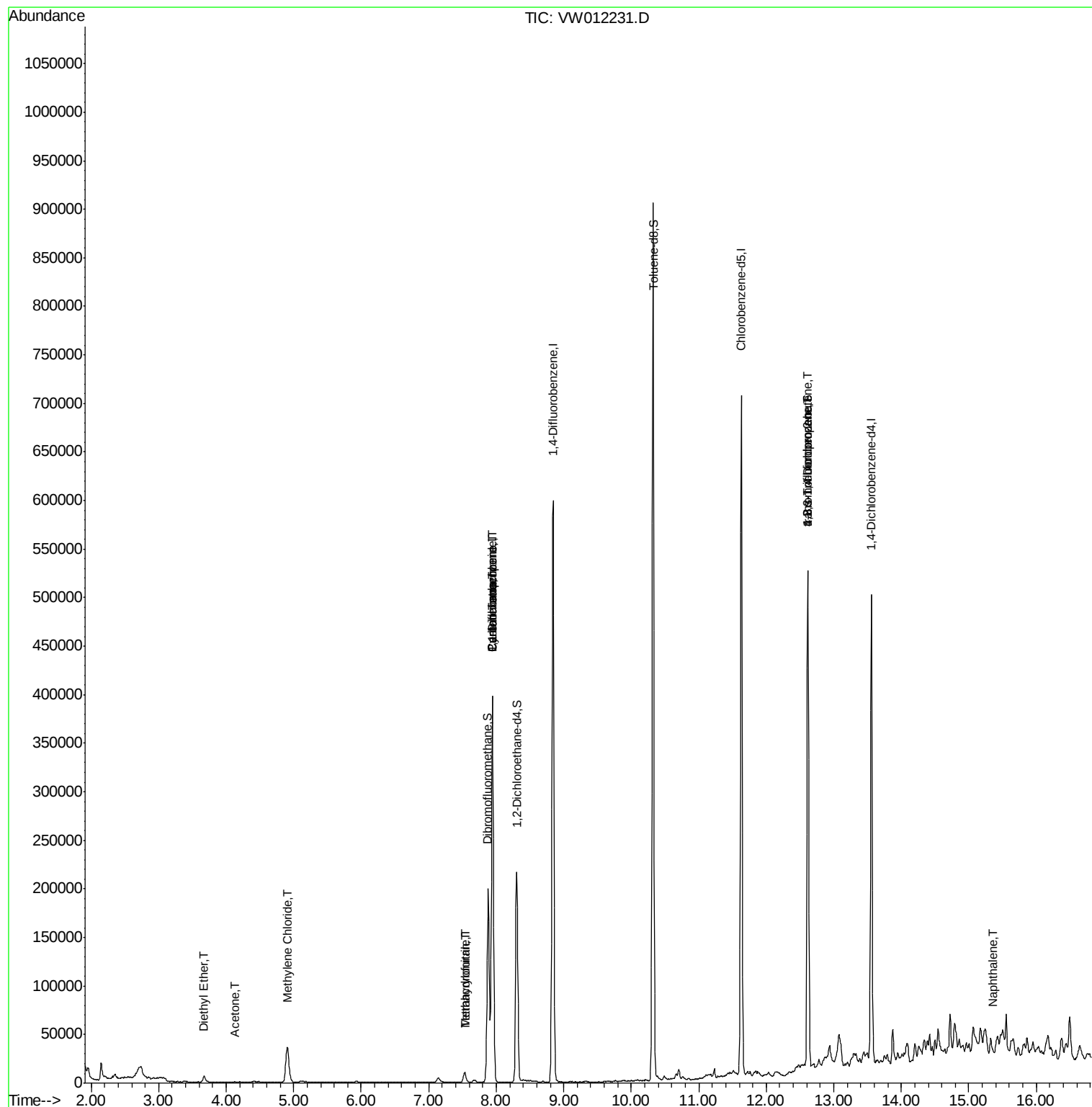
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	289010	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	474704	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	370514	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	124846	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	175827	51.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.36%	
35) Dibromofluoromethane	7.88	113	142909	50.44	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.88%	
50) Toluene-d8	10.32	98	567625	49.41	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.82%	
62) 4-Bromofluorobenzene	12.62	95	166528	41.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	82.24%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.67	74	3358	2.088	ug/l	92
16) Acetone	4.14	43	1528	1.740	ug/l #	80
20) Methylene Chloride	4.91	84	27083	8.157	ug/l	98
29) Tetrahydrofuran	7.54	42	9512	13.285	ug/l	98
31) Cyclohexane	7.95	56	6944	1.122	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	24224	4.938	ug/l #	51
38) Carbon Tetrachloride	7.95	117	28113	6.621	ug/l #	16
41) Methacrylonitrile	7.54	41	5586	3.536	ug/l #	52
76) 1,2,3-Trichloropropane	12.62	75	89459	73.574	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	89459	161.313	ug/l #	6
95) Naphthalene	15.36	128	1198	4.553	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: VW012231.D

Acq: 28 Aug 2019 03:42

Instrument :

MSVOA_W

ClientSampleId :

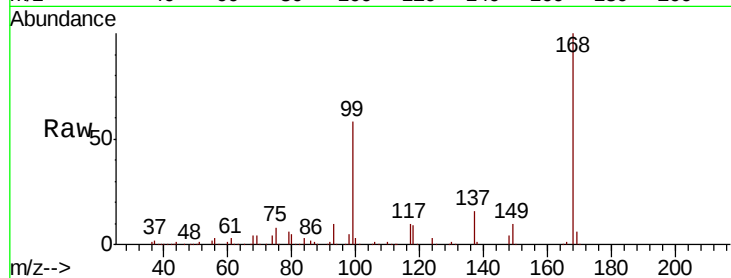
NB-07-082619

Tgt Ion:168 Resp: 289010

Ion Ratio Lower Upper

168 100

99 57.8 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

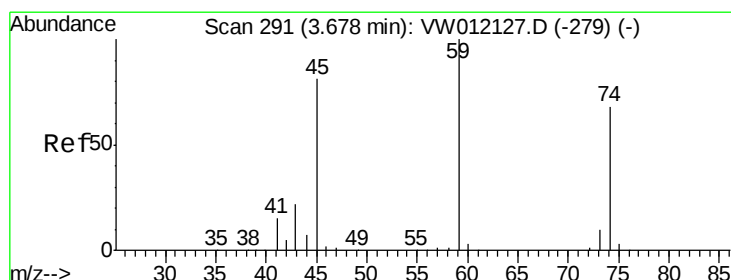
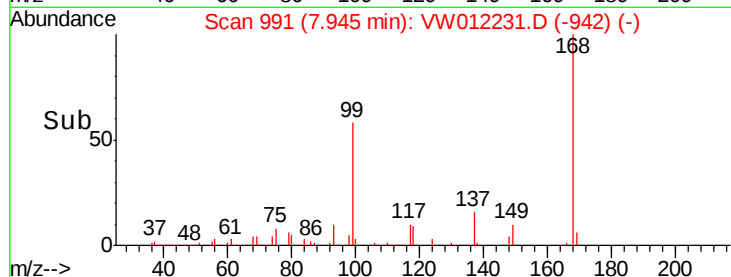
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 2.088 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW012231.D

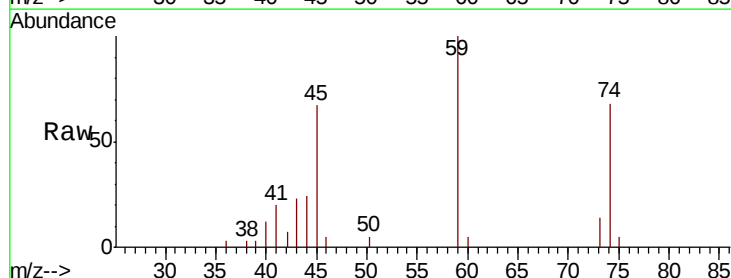
Acq: 28 Aug 2019 03:42

Tgt Ion: 74 Resp: 3358

Ion Ratio Lower Upper

74 100

45 127.5 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

2000

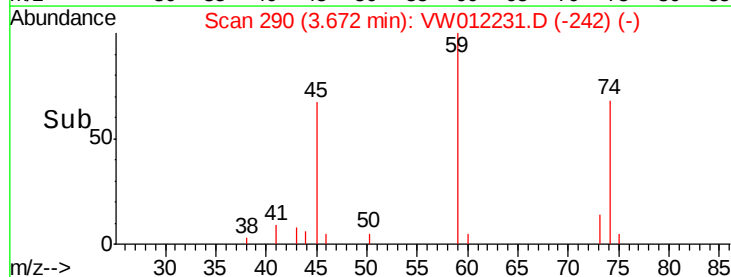
1500

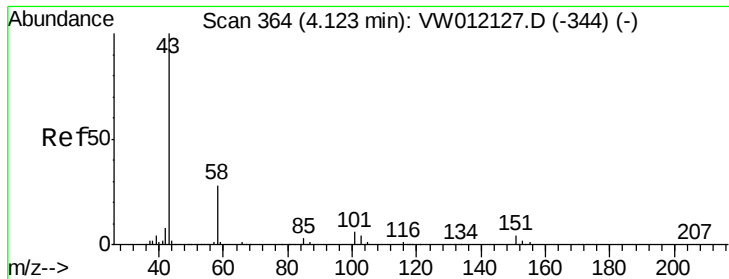
1000

500

0

Time-->





#16

Acetone

Concen: 1.740 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW012231.D

Acq: 28 Aug 2019 03:42

Instrument :

MSVOA_W

ClientSampleId :

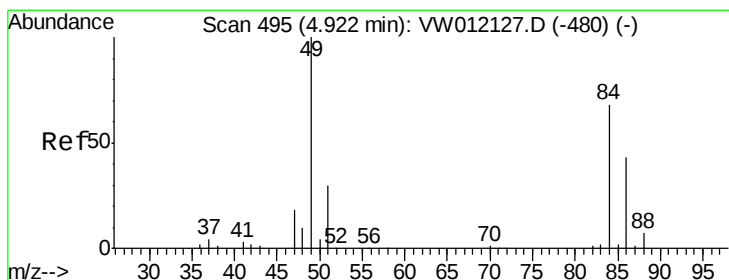
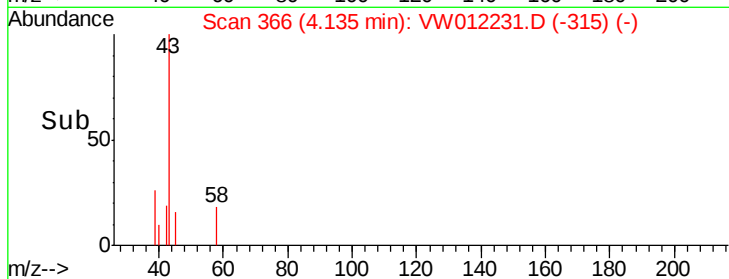
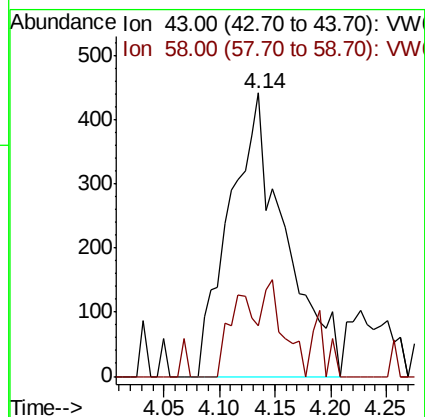
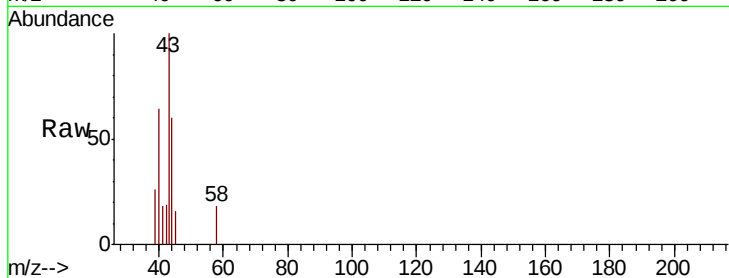
NB-07-082619

Tgt Ion: 43 Resp: 1528

Ion Ratio Lower Upper

43 100

58 17.7 22.4 33.6#



#20

Methylene Chloride

Concen: 8.157 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW012231.D

Acq: 28 Aug 2019 03:42

Tgt Ion: 84 Resp: 27083

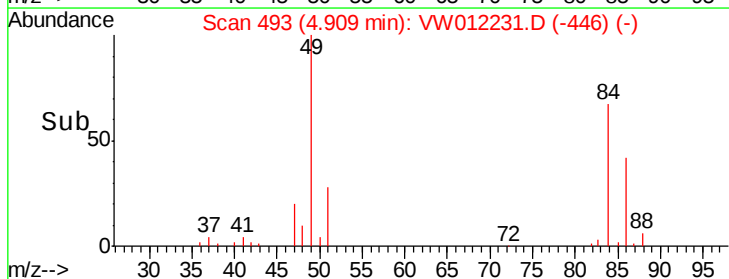
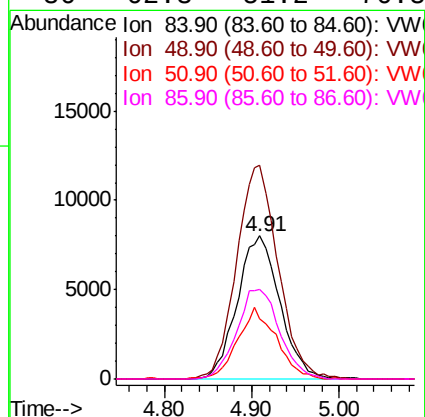
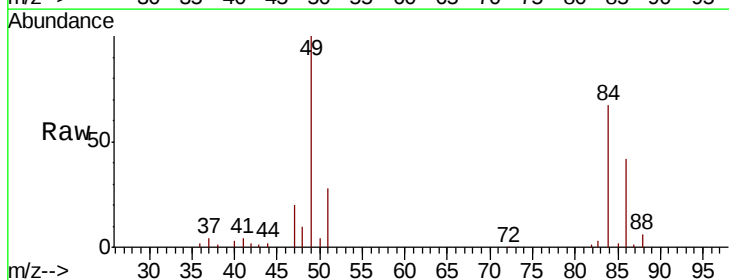
Ion Ratio Lower Upper

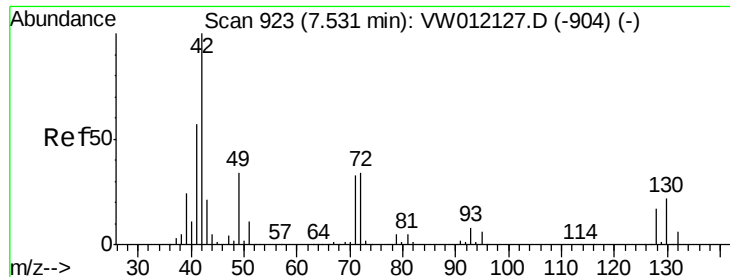
84 100

49 149.4 117.8 176.8

51 41.9 35.6 53.4

86 62.3 51.2 76.8





#29

Tetrahydrofuran

Concen: 13.285 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW012231.D

Acq: 28 Aug 2019 03:42

Instrument :

MSVOA_W

ClientSampleId :

NB-07-082619

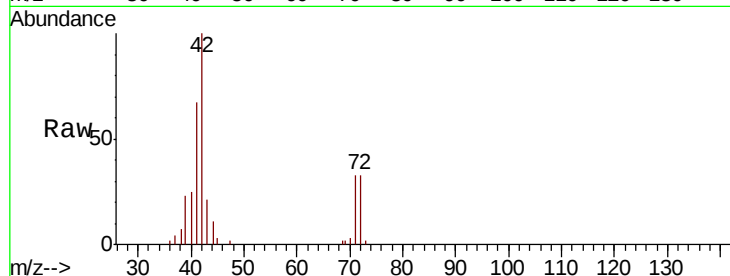
Tgt Ion: 42 Resp: 9512

Ion Ratio Lower Upper

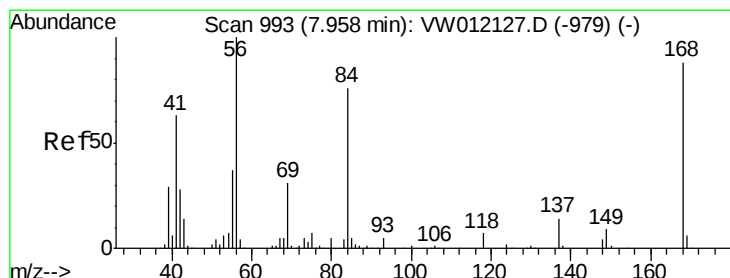
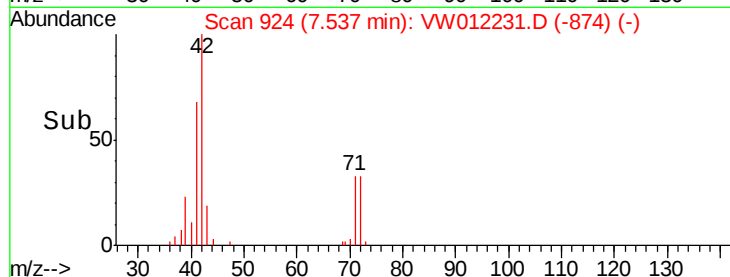
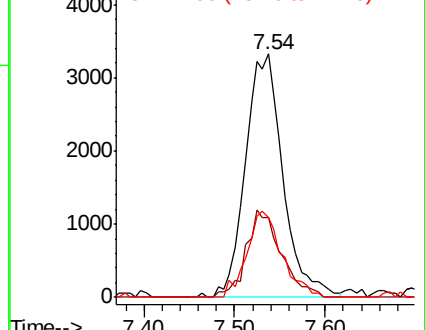
42 100

72 33.3 27.3 40.9

71 32.9 25.5 38.3



Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW



#31

Cyclohexane

Concen: 1.122 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012231.D

Acq: 28 Aug 2019 03:42

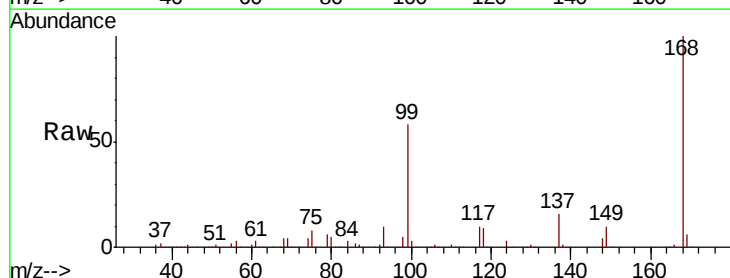
Tgt Ion: 56 Resp: 6944

Ion Ratio Lower Upper

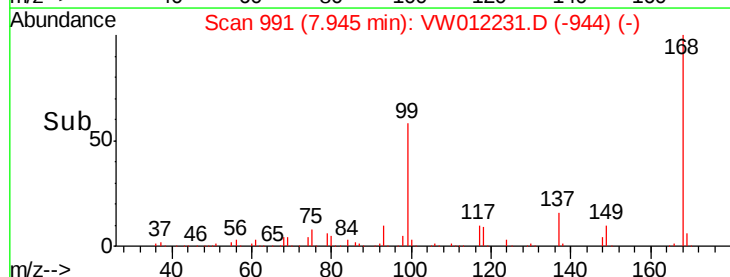
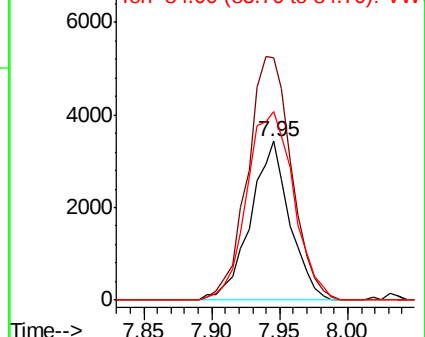
56 100

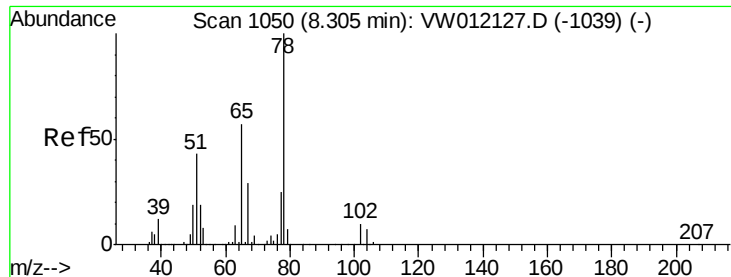
69 152.3 24.9 37.3#

84 119.0 60.6 90.8#



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

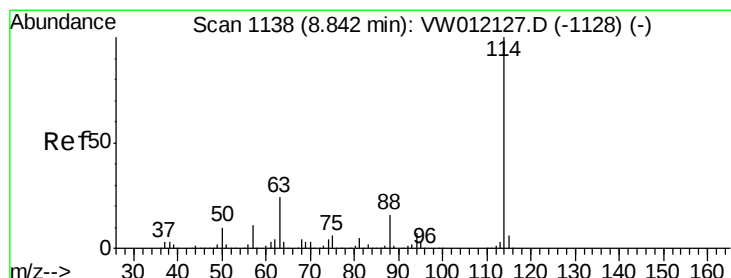
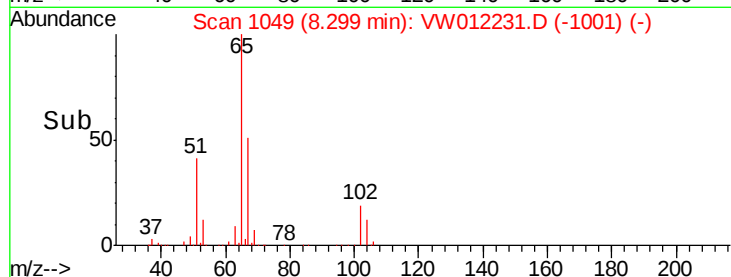
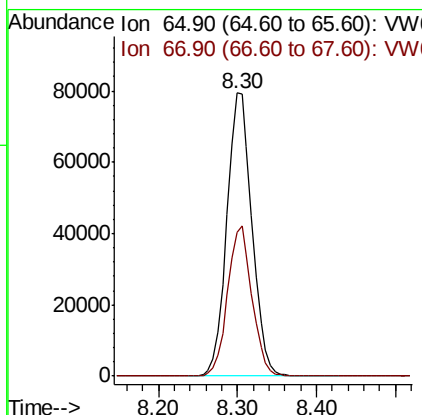
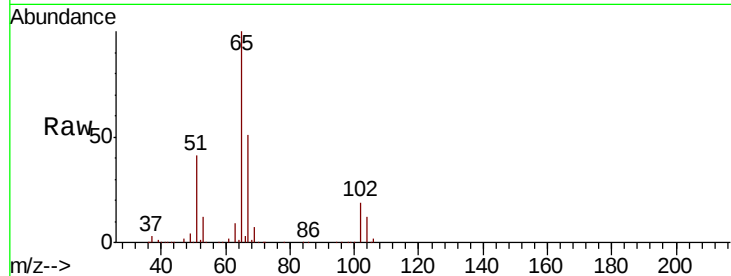




#33
 1,2-Dichloroethane-d4
 Concen: 51.178 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW012231.D
 Acq: 28 Aug 2019 03:42

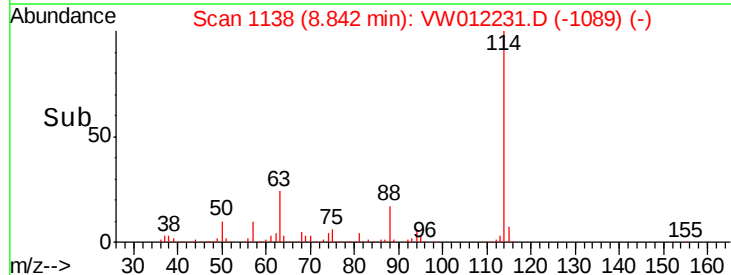
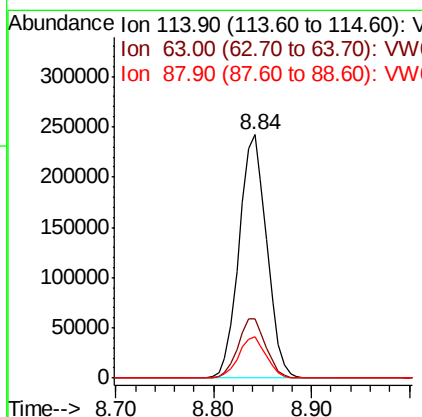
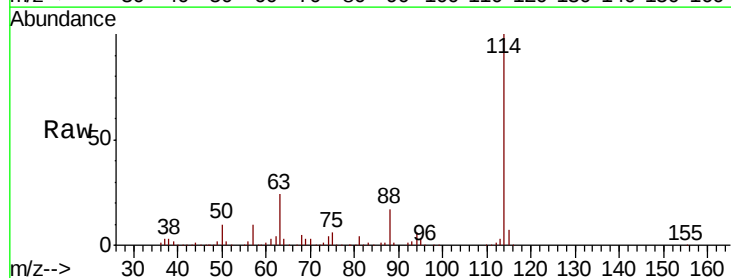
Instrument :
 MSVOA_W
 ClientSampled :
 NB-07-082619

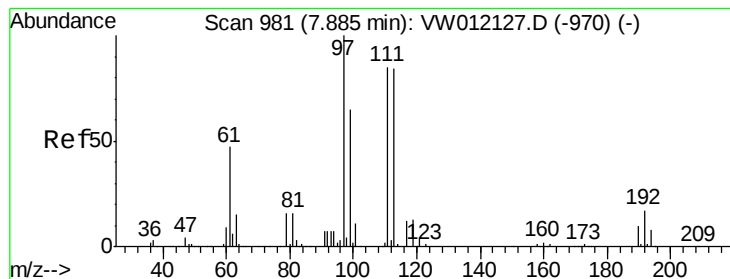
Tgt Ion: 65 Resp: 175827
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012231.D
 Acq: 28 Aug 2019 03:42

Tgt Ion: 114 Resp: 474704
 Ion Ratio Lower Upper
 114 100
 63 24.3 0.0 48.6
 88 16.9 0.0 32.2





#35

Dibromofluoromethane

Concen: 50.435 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW012231.D

Acq: 28 Aug 2019 03:42

Instrument :

MSVOA_W

ClientSampleId :

NB-07-082619

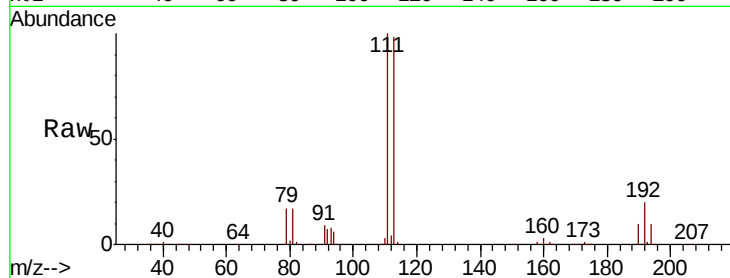
Tgt Ion:113 Resp: 142909

Ion Ratio Lower Upper

113 100

111 102.3 82.7 124.1

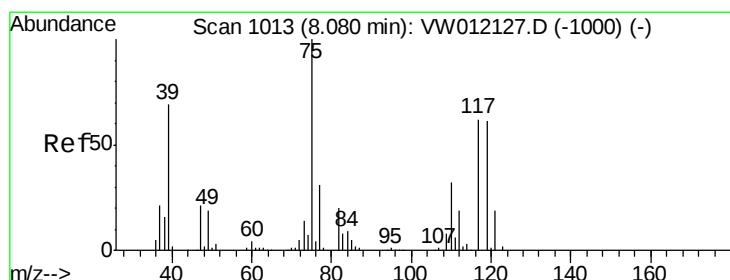
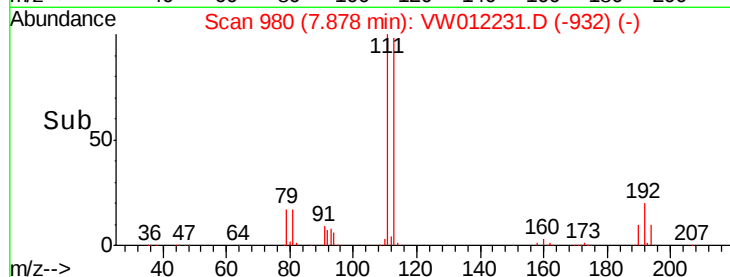
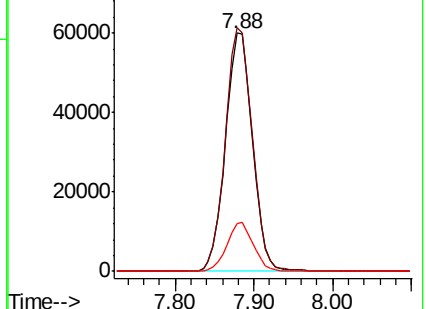
192 19.9 16.2 24.2



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: 4.938 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW012231.D

Acq: 28 Aug 2019 03:42

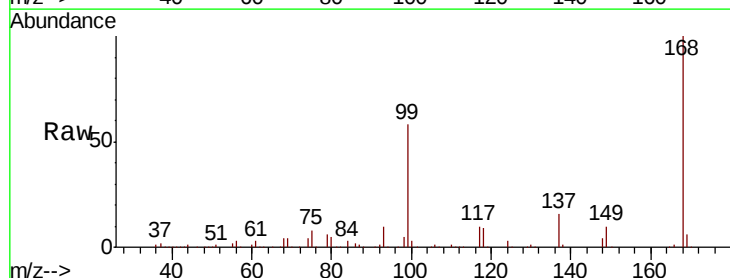
Tgt Ion: 75 Resp: 24224

Ion Ratio Lower Upper

75 100

110 7.7 15.6 46.8#

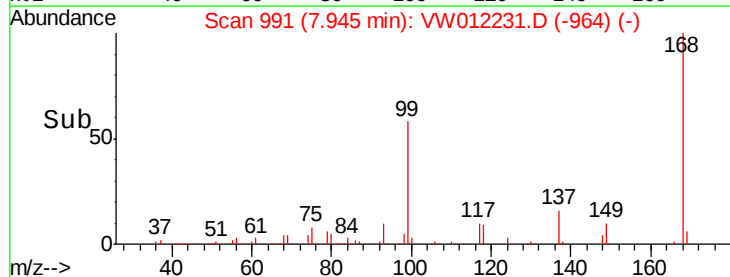
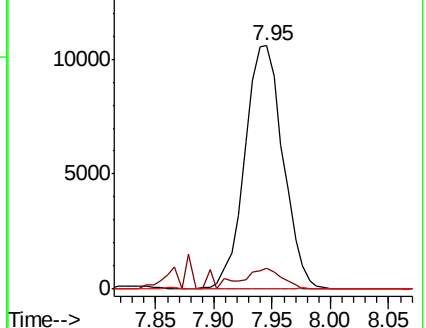
77 0.0 24.6 36.8#

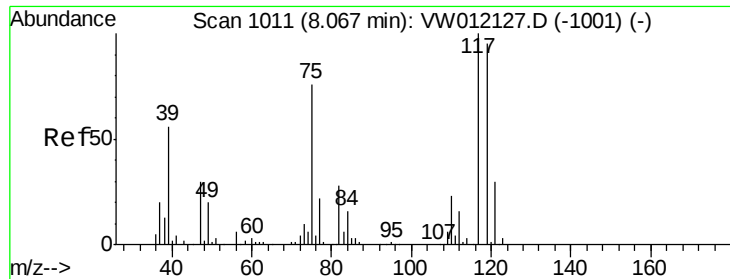


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 6.621 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012231.D

Acq: 28 Aug 2019 03:42

Instrument :

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NB-07-082619

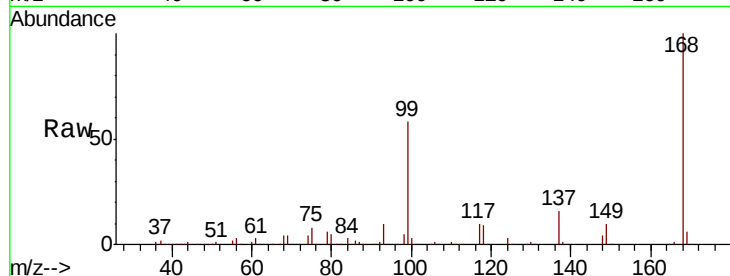
Tgt Ion: 117 Resp: 28113

Ion Ratio Lower Upper

117 100

119 5.0 76.2 114.2#

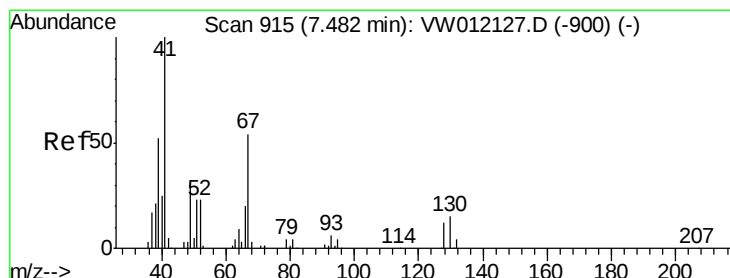
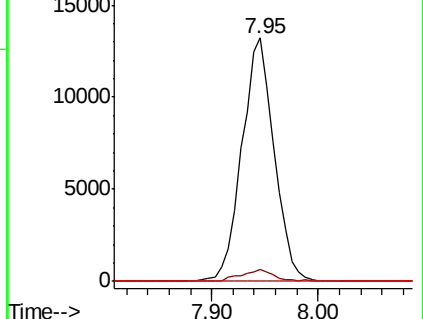
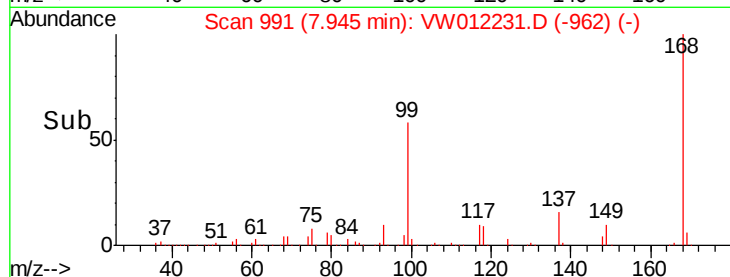
121 0.0 23.8 35.8#



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: 3.536 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.05 min

Lab File: VW012231.D

Acq: 28 Aug 2019 03:42

Tgt Ion: 41 Resp: 5586

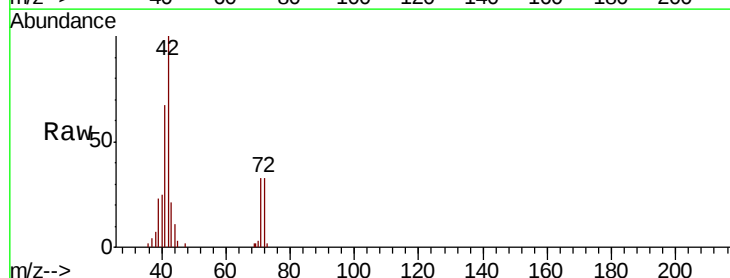
Ion Ratio Lower Upper

41 100

39 44.5 45.8 68.8#

67 0.0 46.2 69.4#

52 0.0 21.0 31.6#

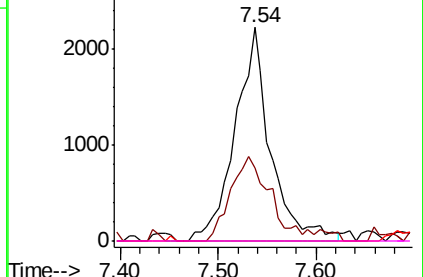
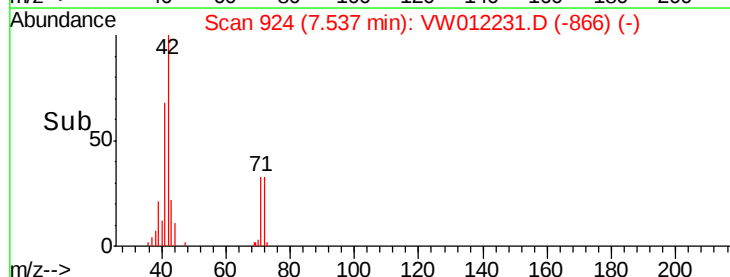


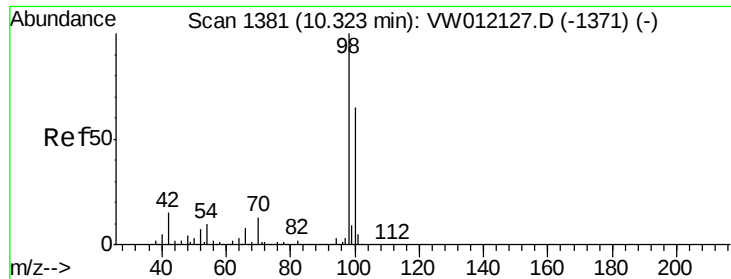
Abundance Ion 41.00 (40.70 to 41.70): VV

Ion 39.00 (38.70 to 39.70): VV

Ion 67.00 (66.70 to 67.70): VV

Ion 52.00 (51.70 to 52.70): VV





#50

Toluene-d8

Concen: 49.406 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012231.D

Acq: 28 Aug 2019 03:42

Instrument :

MSVOA_W

ClientSampleId :

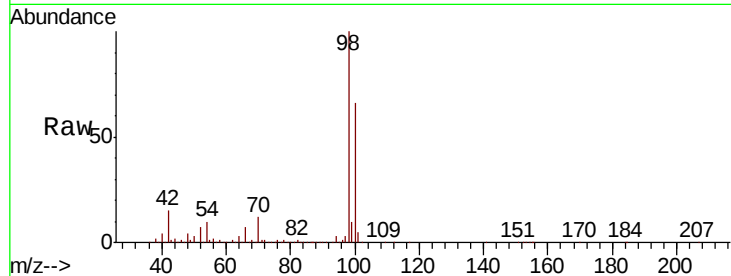
NB-07-082619

Tgt Ion: 98 Resp: 567625

Ion Ratio Lower Upper

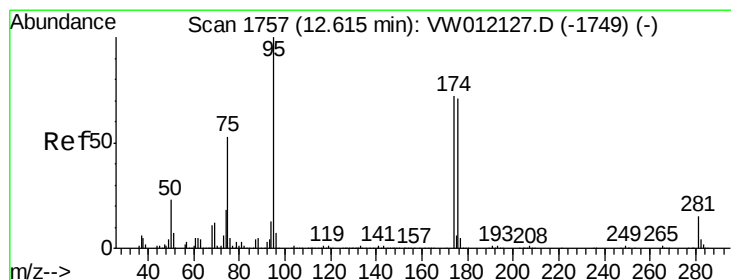
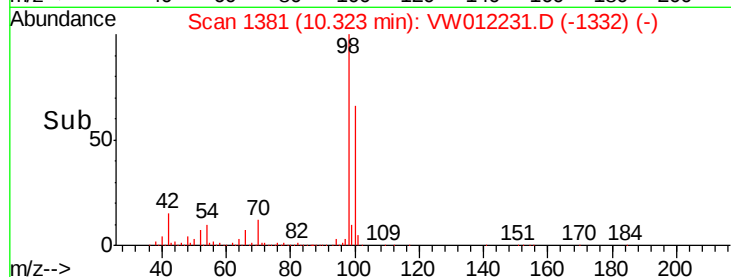
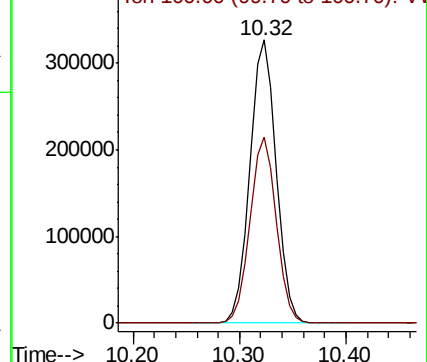
98 100

100 65.6 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#62

4-Bromofluorobenzene

Concen: 41.119 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012231.D

Acq: 28 Aug 2019 03:42

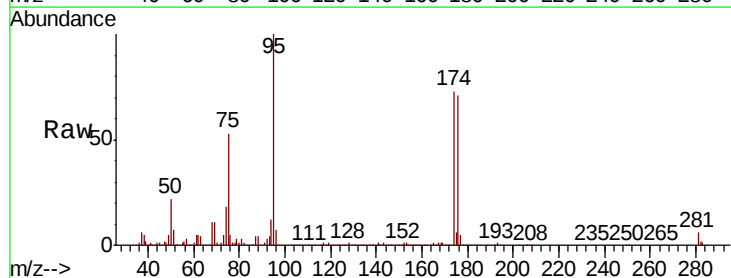
Tgt Ion: 95 Resp: 166528

Ion Ratio Lower Upper

95 100

174 75.7 0.0 150.8

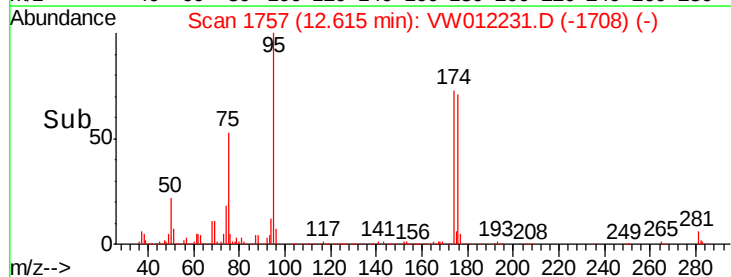
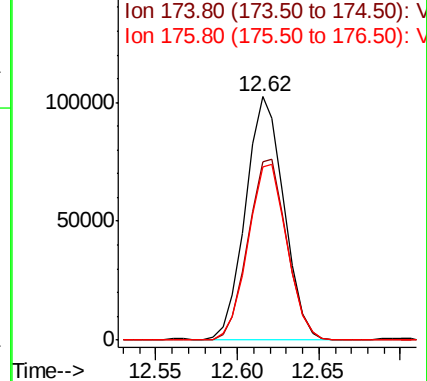
176 73.6 0.0 148.6

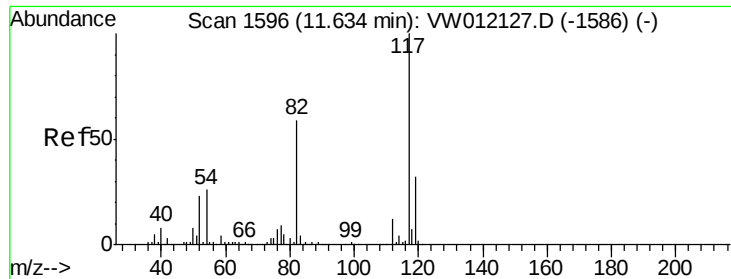


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

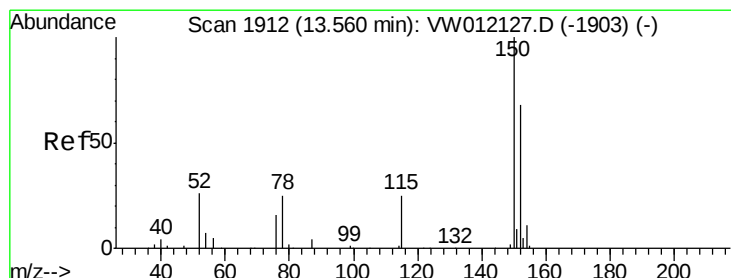
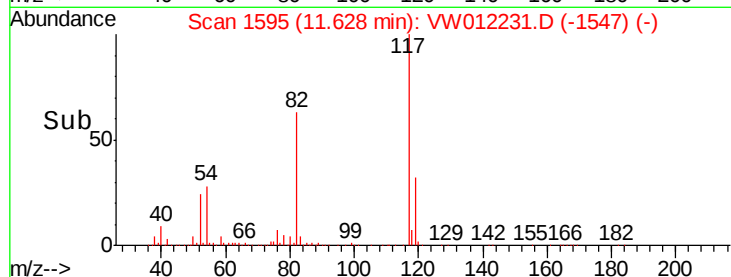
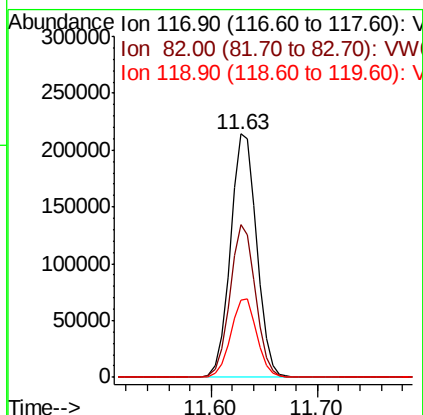
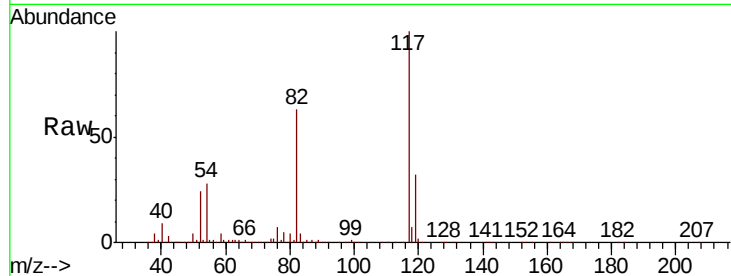




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012231.D
Acq: 28 Aug 2019 03:42

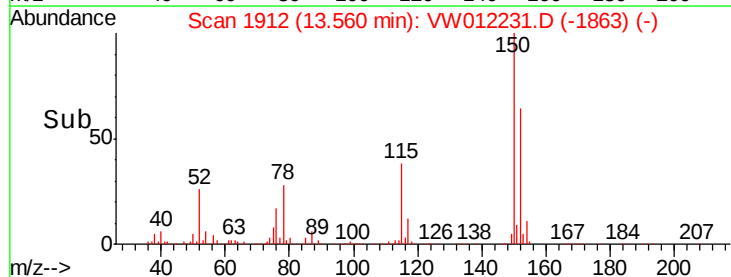
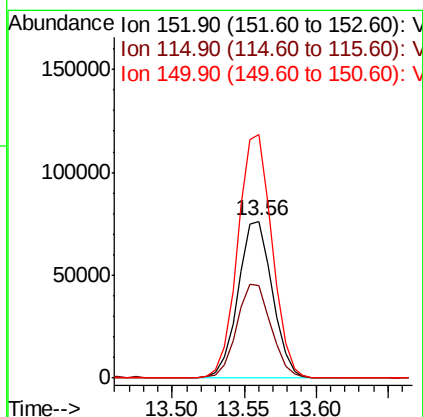
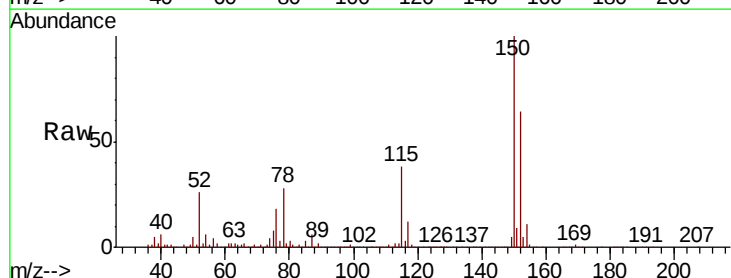
Instrument :
MSVOA_W
ClientSampleId :
NB-07-082619

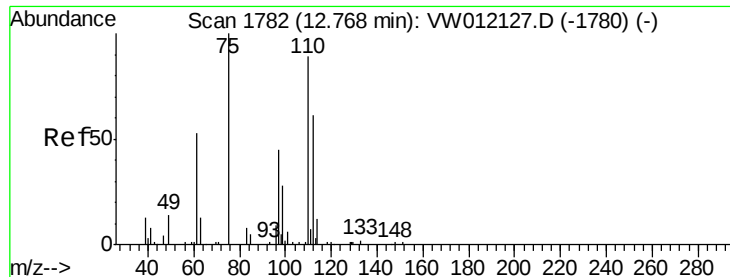
Tgt Ion:117 Resp: 370514
Ion Ratio Lower Upper
117 100
82 62.8 47.4 71.2
119 31.6 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012231.D
Acq: 28 Aug 2019 03:42

Tgt Ion:152 Resp: 124846
Ion Ratio Lower Upper
152 100
115 60.1 30.1 90.3
150 156.3 0.0 345.8

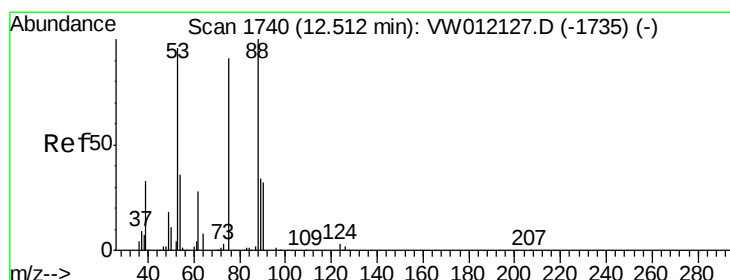
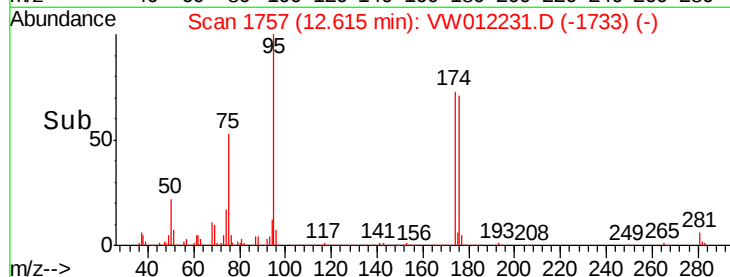
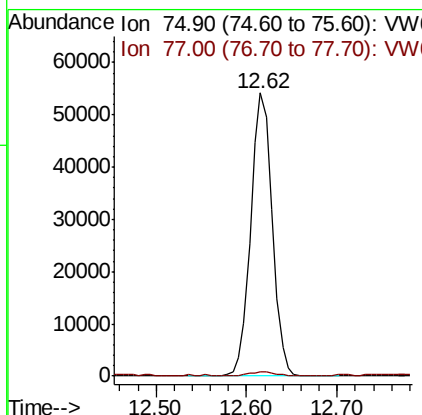
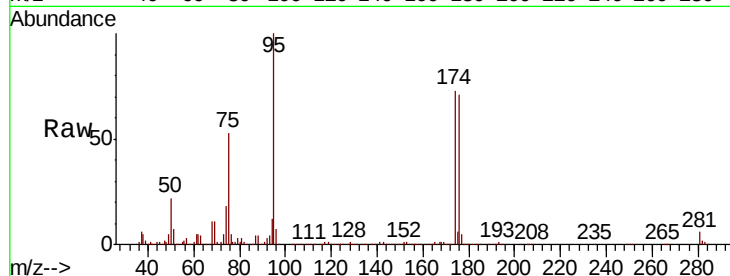




#76
 1,2,3-Trichloropropane
 Concen: 73.574 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW012231.D
 Acq: 28 Aug 2019 03:42

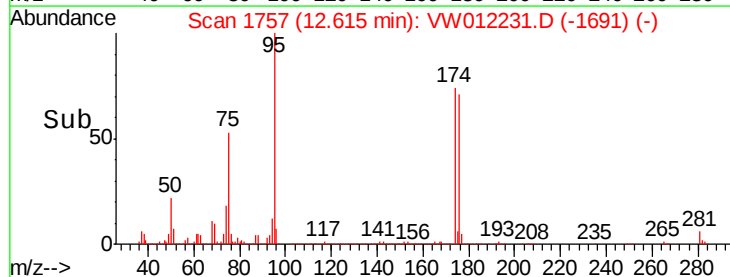
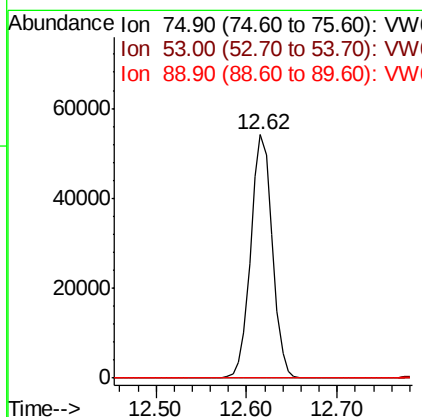
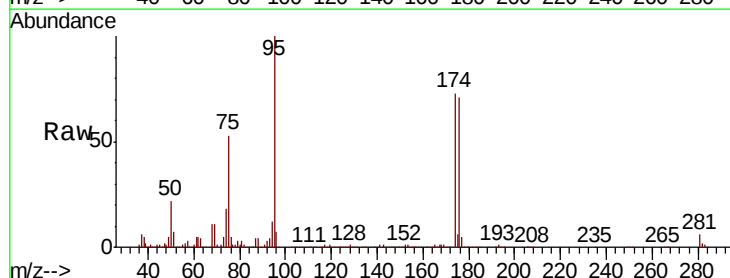
Instrument :
 MSVOA_W
 ClientSampleId :
 NB-07-082619

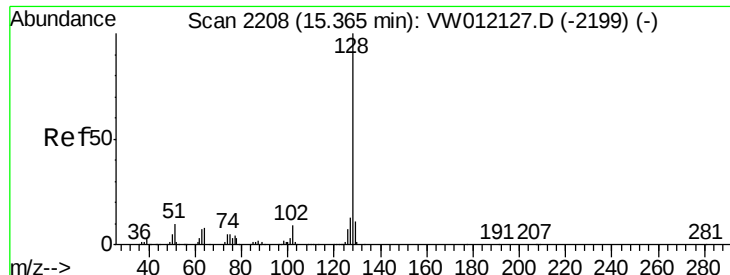
Tgt Ion: 75 Resp: 89459
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 161.313 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW012231.D
 Acq: 28 Aug 2019 03:42

Tgt Ion: 75 Resp: 89459
 Ion Ratio Lower Upper
 75 100
 53 0.1 89.4 134.0#
 89 0.3 34.5 51.7#





#95

Naphthalene

Concen: 4.553 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW012231.D

Acq: 28 Aug 2019 03:42

Instrument :

MSVOA_W

ClientSampleId :

NB-07-082619

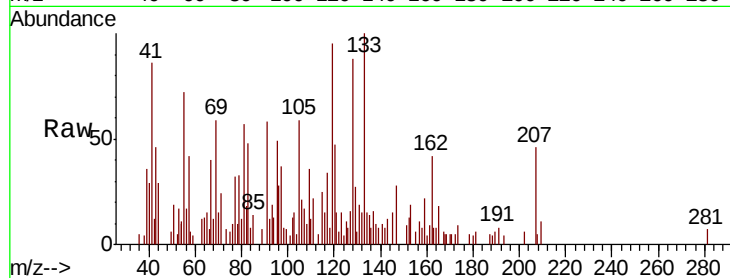
Tgt Ion:128 Resp: 1198

Ion Ratio Lower Upper

128 100

127 13.8 10.7 16.1

129 15.0 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

