

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW083120\
 Data File : VW016424.D
 Acq On : 31 Aug 2020 20:37
 Operator : SY/VA
 Sample : L3848-16
 Misc : 5.40G/5ML/MSVOA W/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 LINDEN-BH-04-C

Quant Time: Sep 01 03:00:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082820S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 28 15:01:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	138222	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	239023	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	224863	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	102093	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	80689	58.32	ug/l	0.00
Spiked Amount			Recovery	=	116.64%	
35) Dibromofluoromethane	7.88	113	77309	51.10	ug/l	0.00
Spiked Amount			Recovery	=	102.20%	
50) Toluene-d8	10.32	98	284132	50.15	ug/l	0.00
Spiked Amount			Recovery	=	100.30%	
62) 4-Bromofluorobenzene	12.62	95	105349	49.59	ug/l	0.00
Spiked Amount			Recovery	=	99.18%	

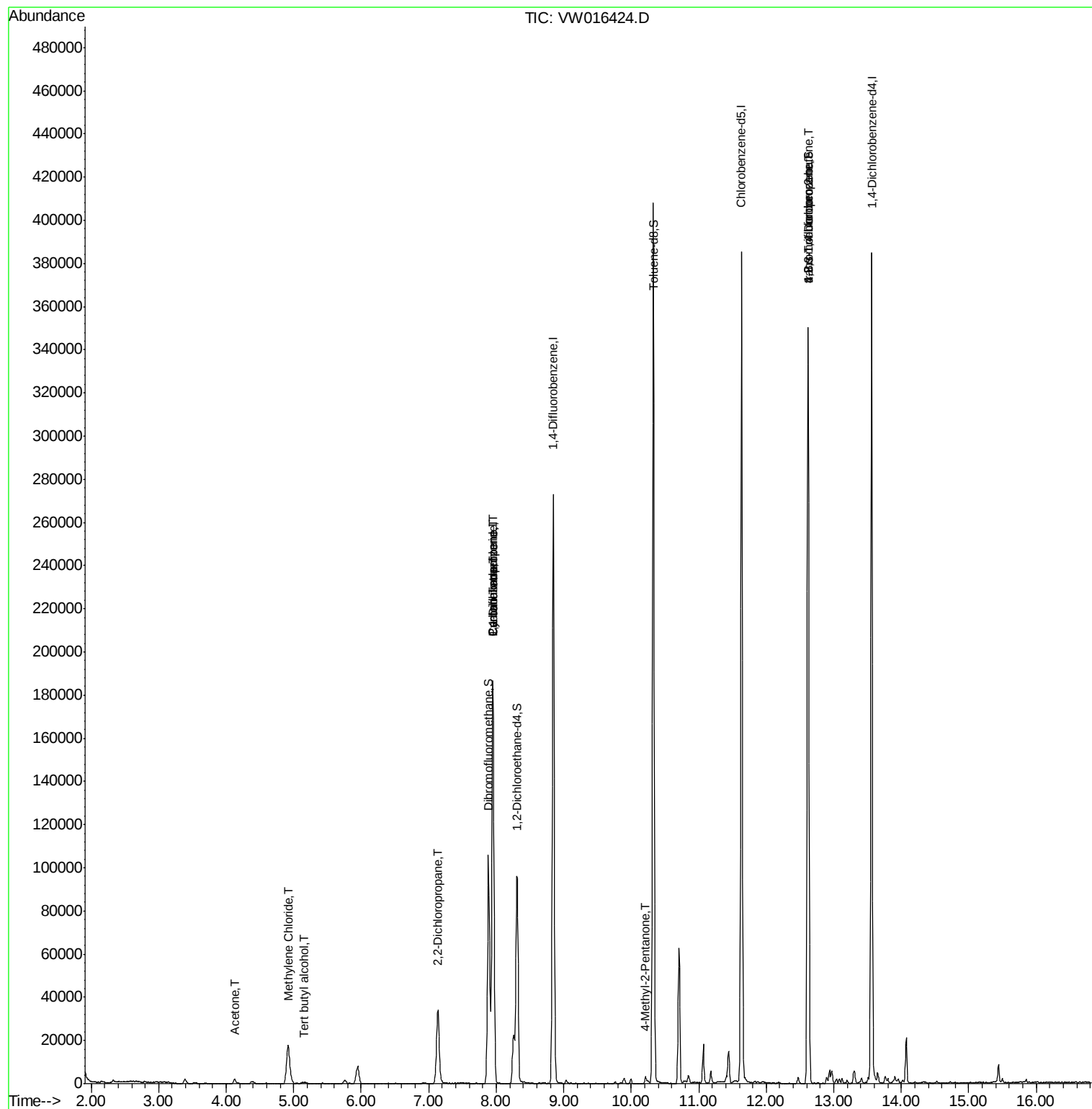
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.16	59	1172	2.406	ug/l #	72
16) Acetone	4.12	43	3531	15.028	ug/l	99
20) Methylene Chloride	4.92	84	15197	5.162	ug/l	93
26) 2,2-Dichloropropane	7.13	77	2338	1.290	ug/l #	52
31) Cyclohexane	7.95	56	2820	1.311	ug/l #	3
36) 1,1-Dichloropropene	7.95	75	10672	4.692	ug/l #	50
38) Carbon Tetrachloride	7.95	117	15046	6.036	ug/l #	16
51) 4-Methyl-2-Pentanone	10.21	43	2248	2.956	ug/l	99
76) 1,2,3-Trichloropropane	12.62	75	53173	58.900	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	53173	130.769	ug/l #	11

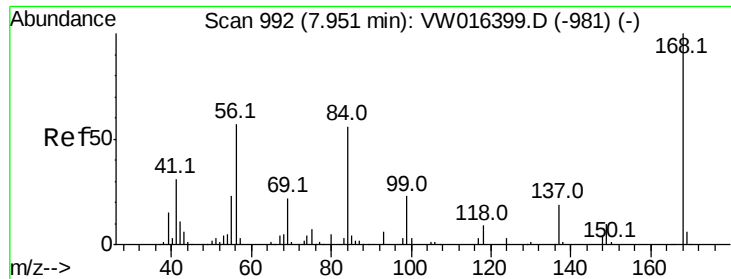
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW083120\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W082820S.M
Quant Title : SW846 8260
QLast Update : Fri Aug 28 15:01:43 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW016424.D

Acq: 31 Aug 2020 20:37

Instrument :

MSVOA_W

ClientSampleId :

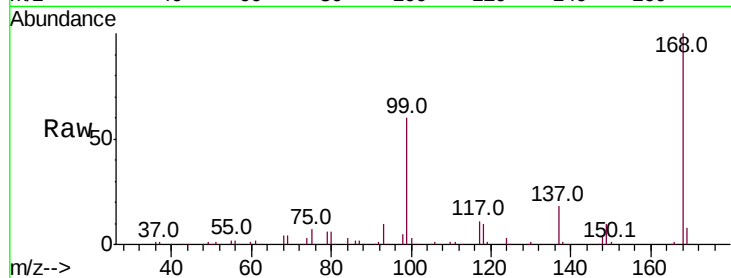
LINDEN-BH-04-C

Tot Ion:168 Resp: 138222

Ion Ratio Lower Upper

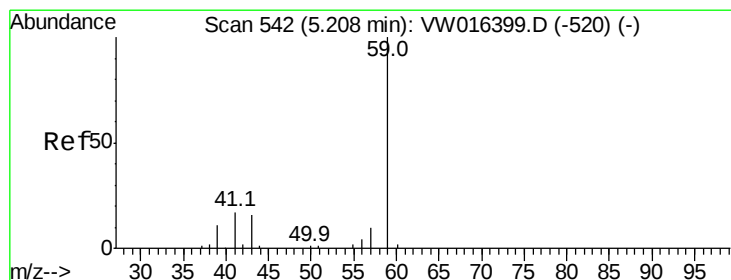
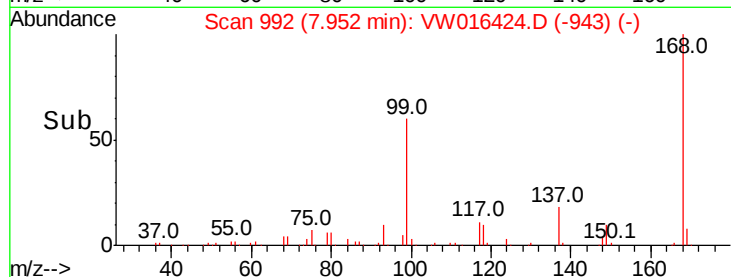
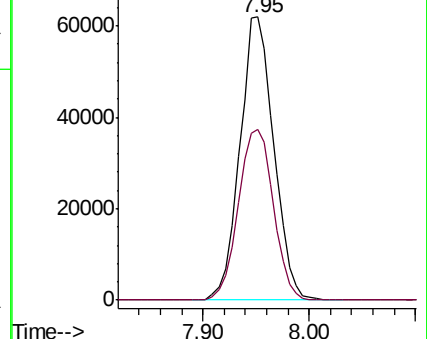
168 100

99 60.4 49.0 73.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 2.406 ug/l

RT: 5.16 min Scan# 534

Delta R.T. -0.05 min

Lab File: VW016424.D

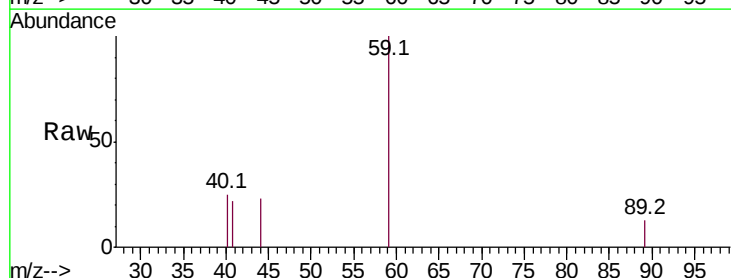
Acq: 31 Aug 2020 20:37

Tgt Ion: 59 Resp: 1172

Ion Ratio Lower Upper

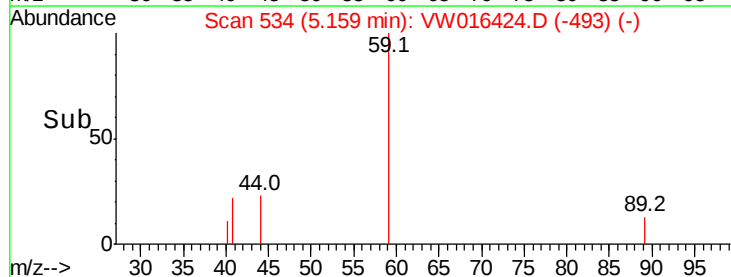
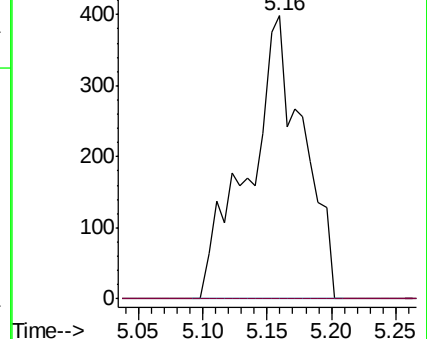
59 100

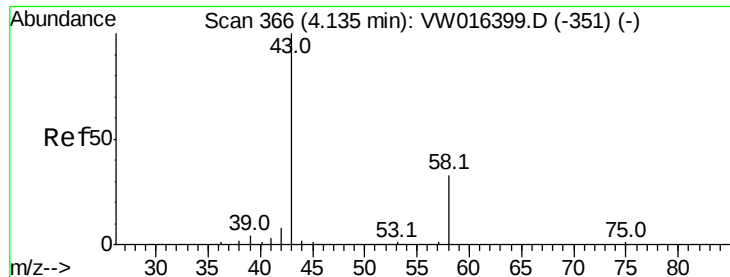
57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 15.028 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW016424.D

Acq: 31 Aug 2020 20:37

Instrument :

MSVOA_W

ClientSampleId :

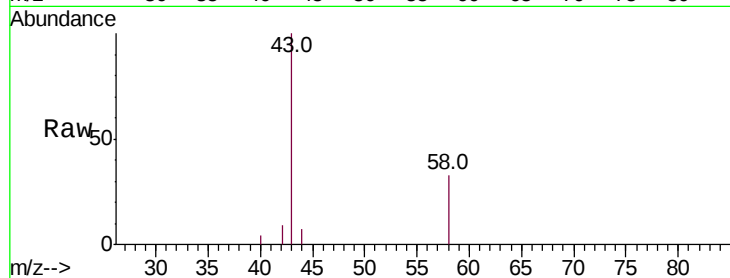
LINDEN-BH-04-C

Tot Ion: 43 Resp: 3531

Ion Ratio Lower Upper

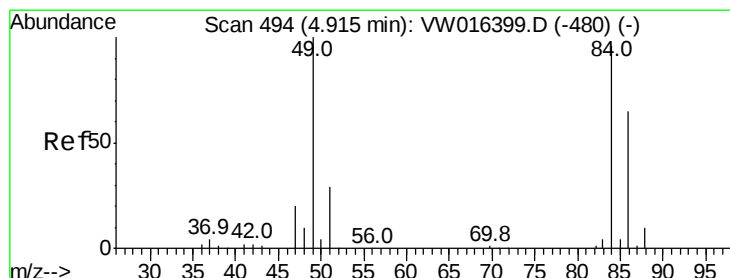
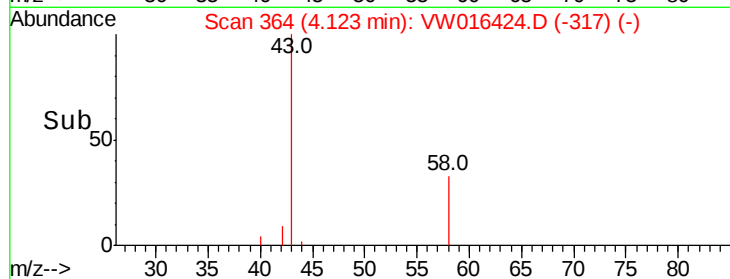
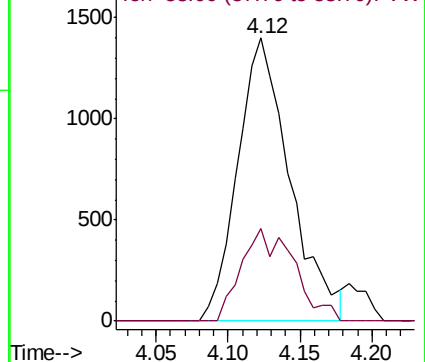
43 100

58 32.7 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#20

Methylene Chloride

Concen: 5.162 ug/l

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW016424.D

Acq: 31 Aug 2020 20:37

Tgt Ion: 84 Resp: 15197

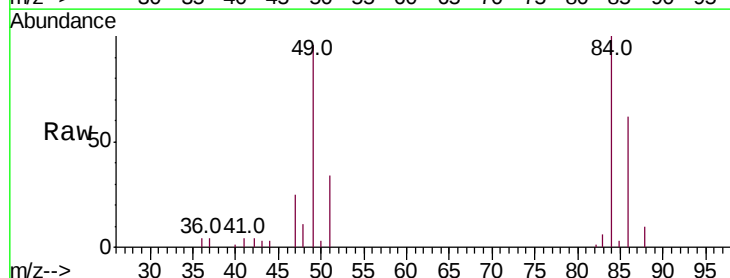
Ion Ratio Lower Upper

84 100

49 96.5 83.2 124.8

51 33.9 24.4 36.6

86 61.7 54.2 81.2

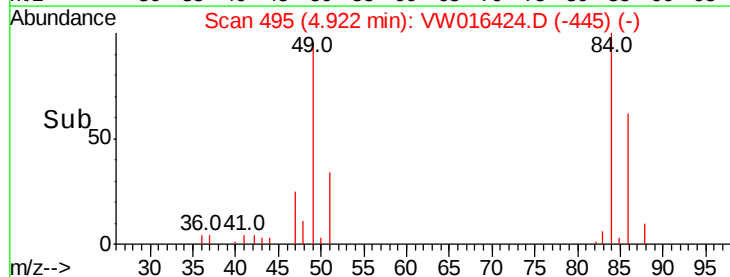
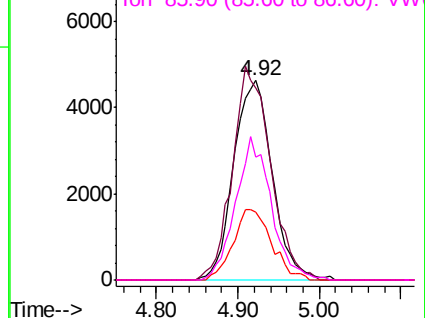


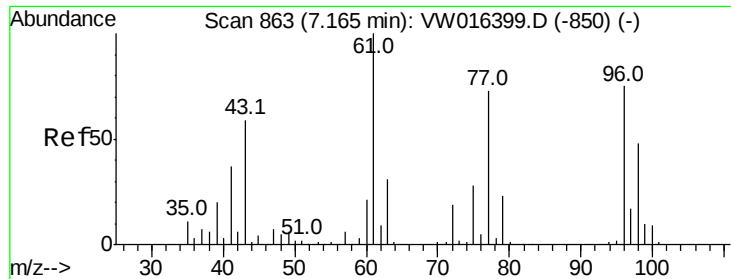
Abundance Ion 83.90 (83.60 to 84.60): VW

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

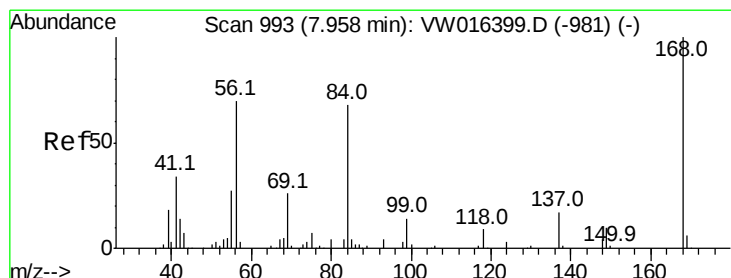
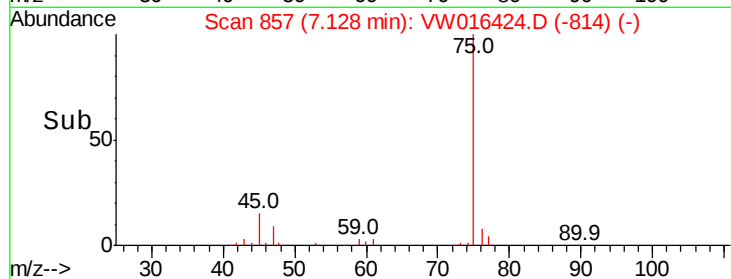
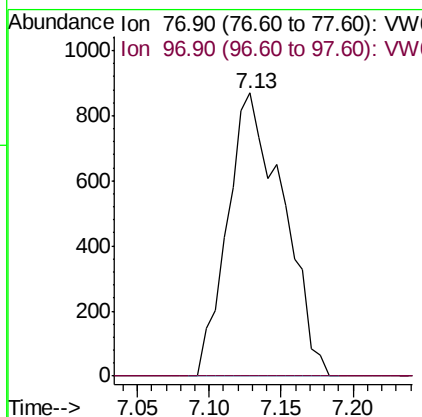
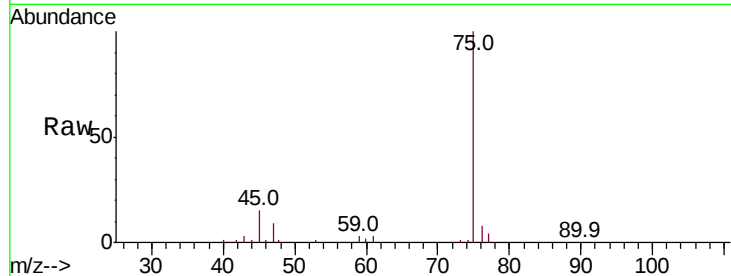




#26
2,2-Dichloropropane
Concen: 1.290 ug/l
RT: 7.13 min Scan# 857
Delta R.T. -0.04 min
Lab File: VW016424.D
Acq: 31 Aug 2020 20:37

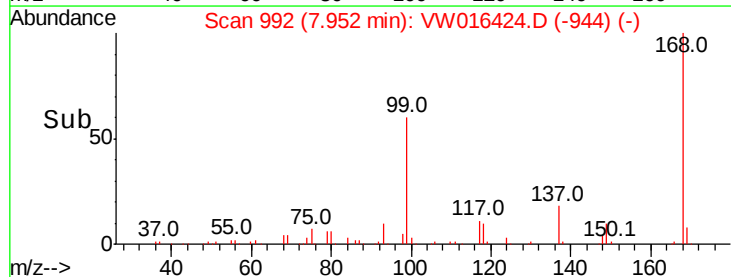
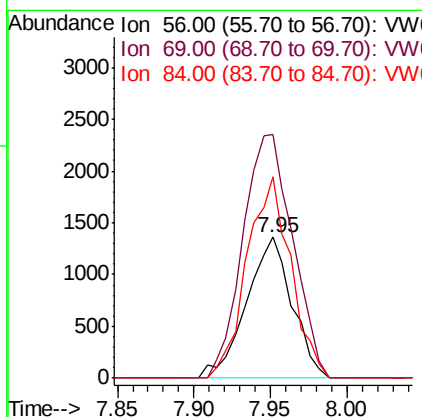
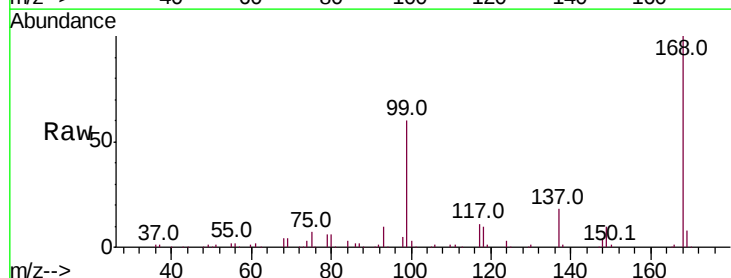
Instrument :
MSVOA_W
ClientSampleId :
LINDEN-BH-04-C

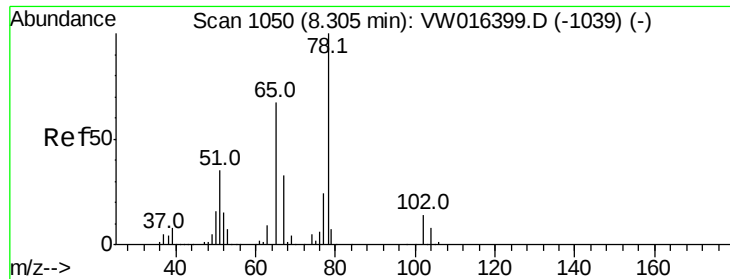
Tot Ion: 77 Resp: 2338
Ion Ratio Lower Upper
77 100
97 0.0 11.7 35.0#



#31
Cyclohexane
Concen: 1.311 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW016424.D
Acq: 31 Aug 2020 20:37

Tgt Ion: 56 Resp: 2820
Ion Ratio Lower Upper
56 100
69 172.9 30.0 45.0#
84 142.8 77.4 116.2#





#33

1,2-Dichloroethane-d4

Concen: 58.316 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.01 min

Lab File: VW016424.D

Acq: 31 Aug 2020 20:37

Instrument :

MSVOA_W

ClientSampleId :

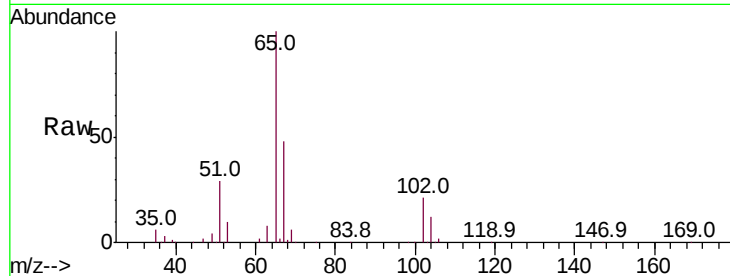
LINDEN-BH-04-C

Tot Ion: 65 Resp: 80689

Ion Ratio Lower Upper

65 100

67 50.5 0.0 100.2



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

8.31

40000

30000

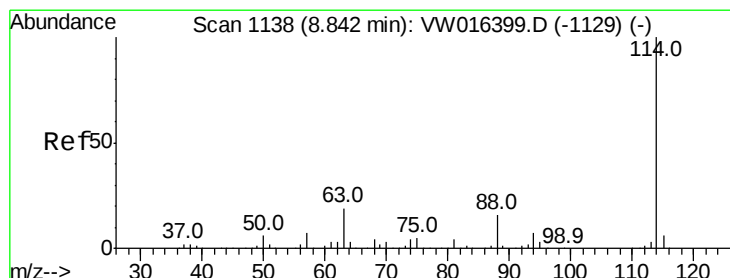
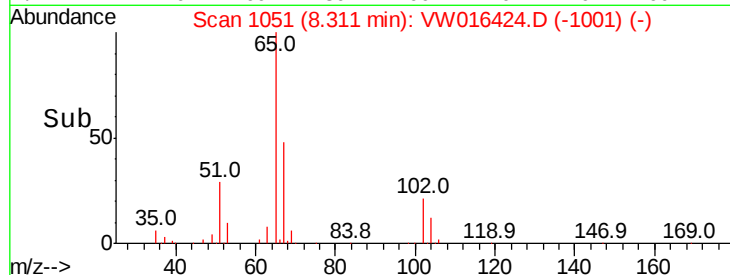
20000

10000

0

8.20 8.30 8.40

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW016424.D

Acq: 31 Aug 2020 20:37

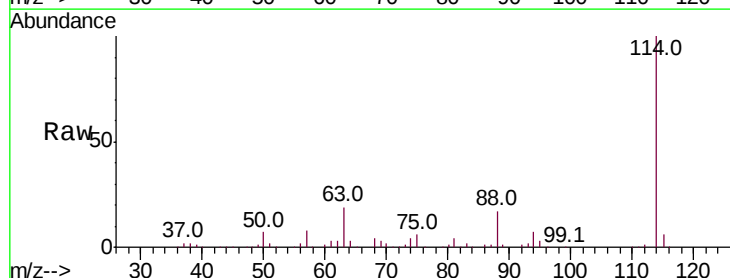
Tgt Ion: 114 Resp: 239023

Ion Ratio Lower Upper

114 100

63 19.2 0.0 37.8

88 16.7 0.0 31.2



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

150000

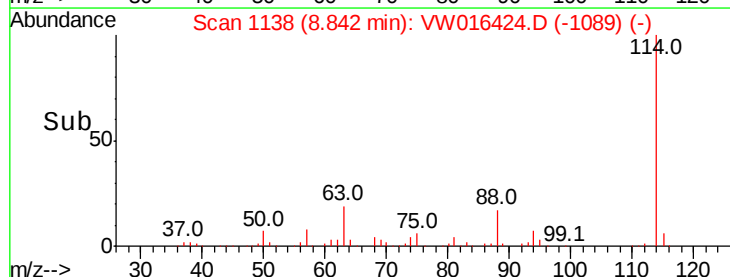
100000

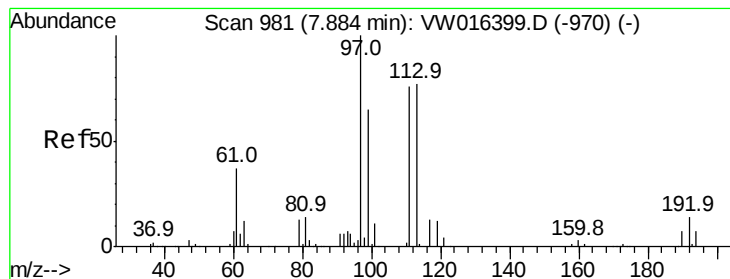
50000

0

8.80 8.90 9.00

Time-->





#35

Dibromofluoromethane

Concen: 51.098 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW016424.D

Acq: 31 Aug 2020 20:37

Instrument :

MSVOA_W

ClientSampleId :

LINDEN-BH-04-C

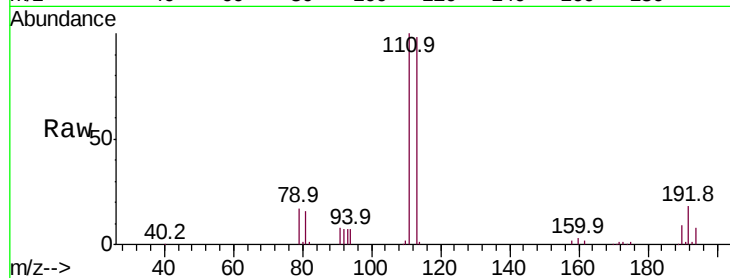
Tot Ion:113 Resp: 77309

Ion Ratio Lower Upper

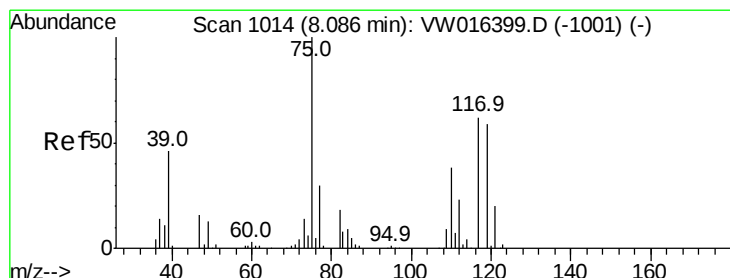
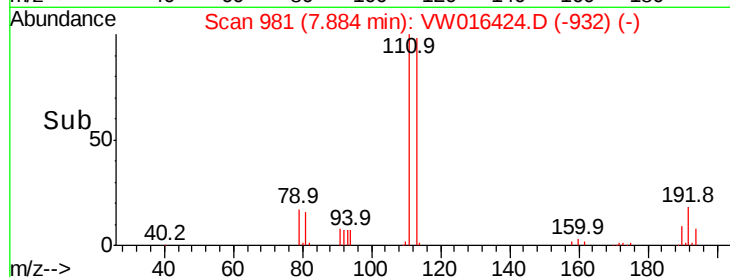
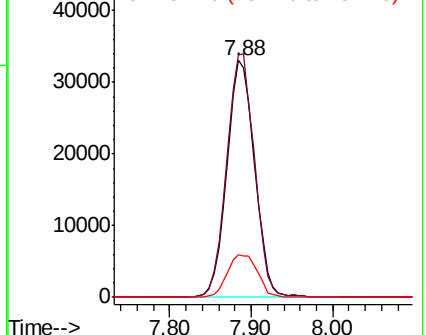
113 100

111 103.2 82.1 123.1

192 19.5 15.5 23.3



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: 4.692 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.14 min

Lab File: VW016424.D

Acq: 31 Aug 2020 20:37

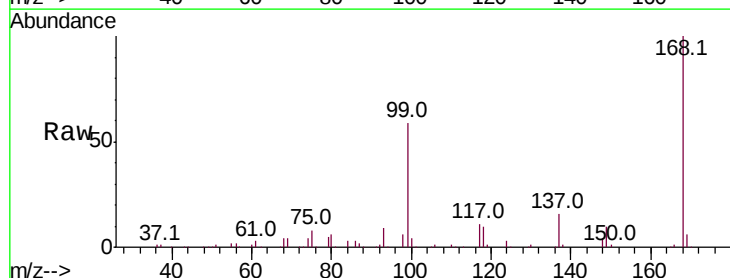
Tgt Ion: 75 Resp: 10672

Ion Ratio Lower Upper

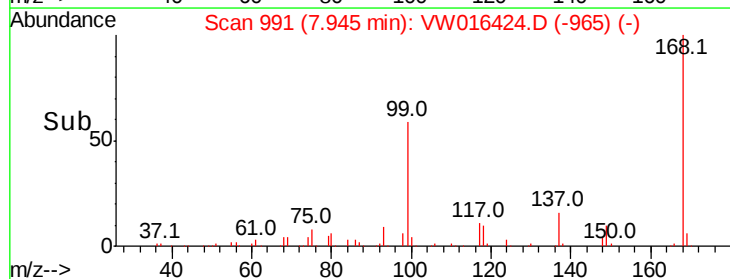
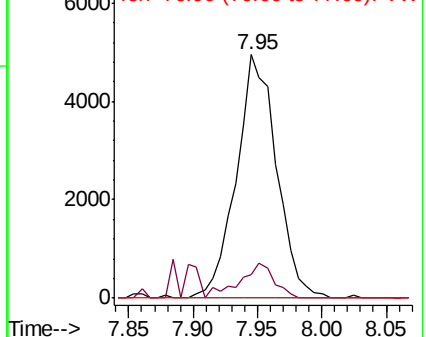
75 100

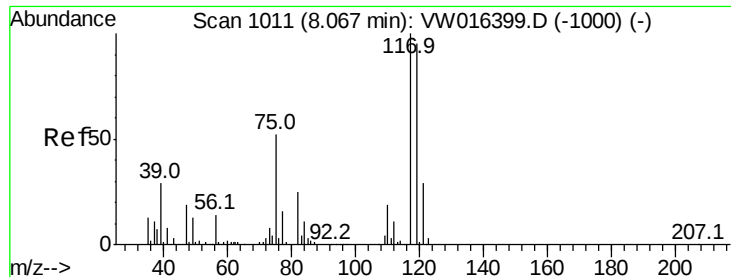
110 11.3 18.6 56.0#

77 0.0 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

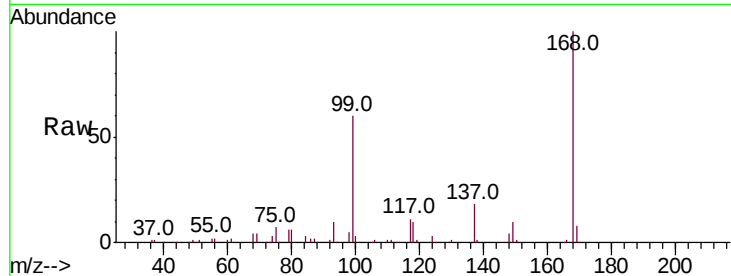




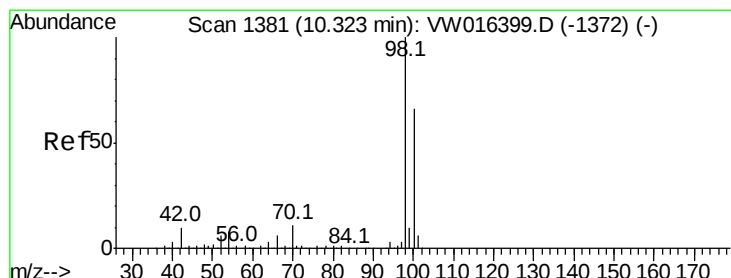
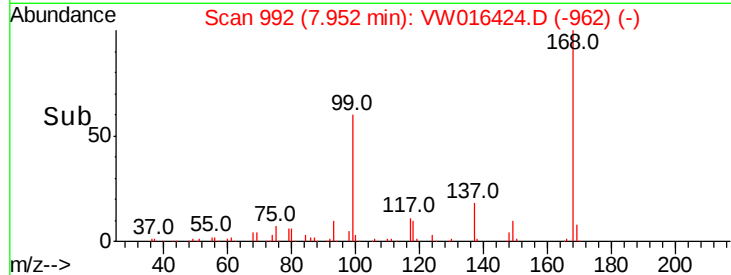
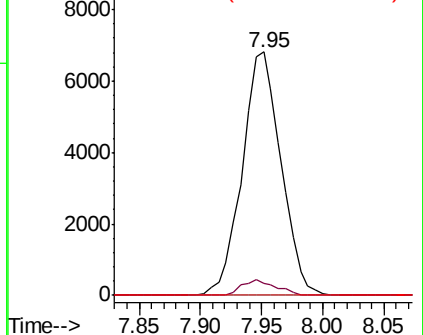
#38
Carbon Tetrachloride
Concen: 6.036 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW016424.D
Acq: 31 Aug 2020 20:37

Instrument :
MSVOA_W
ClientSampleId :
LINDEN-BH-04-C

Tot Ion:117 Resp: 15046
Ion Ratio Lower Upper
117 100
119 5.0 76.3 114.5#
121 0.0 23.0 34.6#

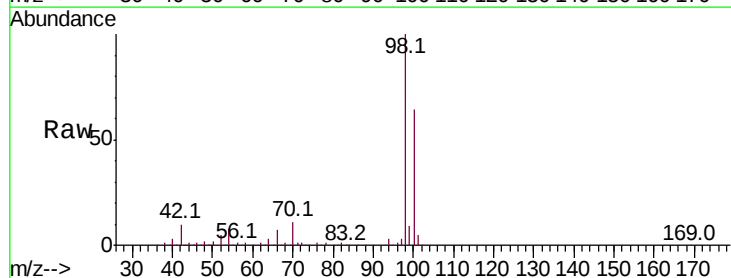


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

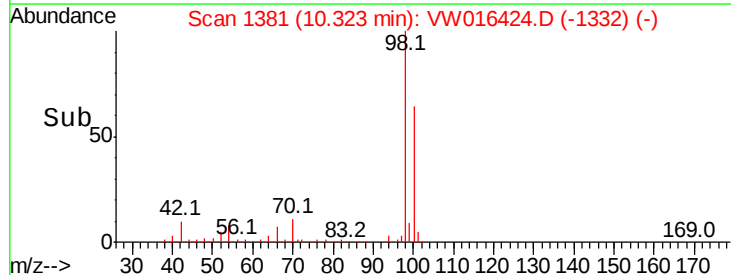
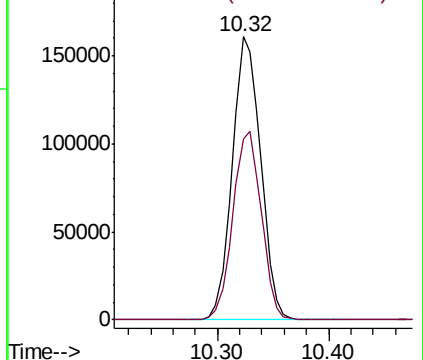


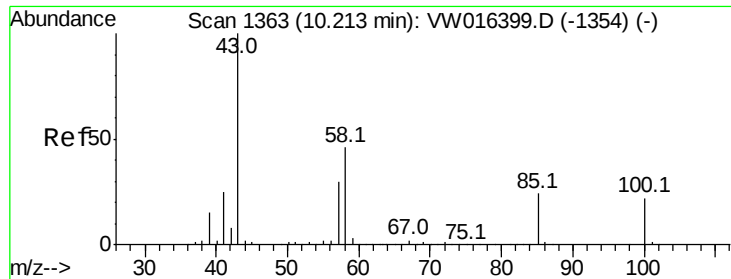
#50
Toluene-d8
Concen: 50.152 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW016424.D
Acq: 31 Aug 2020 20:37

Tgt Ion: 98 Resp: 284132
Ion Ratio Lower Upper
98 100
100 66.7 52.6 78.8



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 2.956 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW016424.D

Acq: 31 Aug 2020 20:37

Instrument :

MSVOA_W

ClientSampleId :

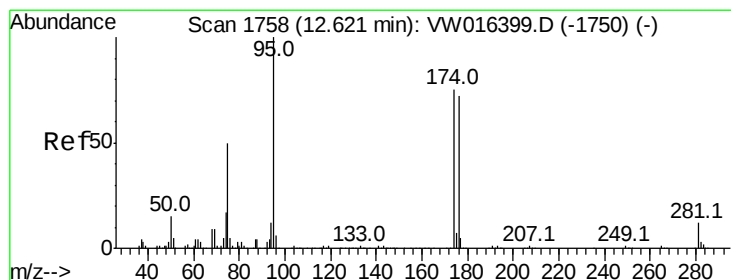
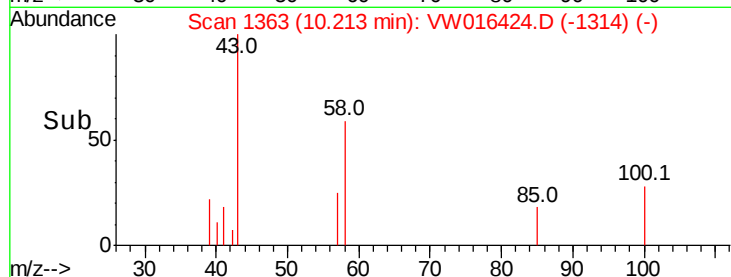
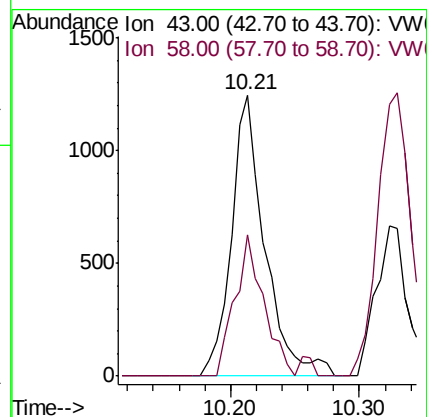
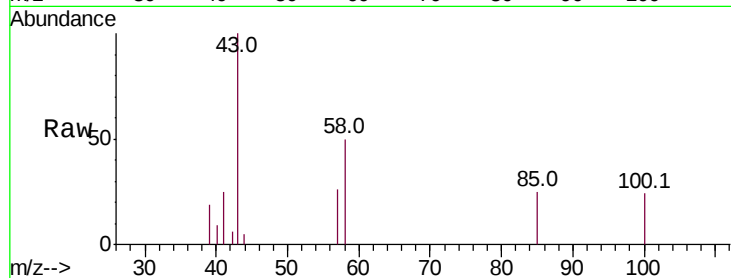
LINDEN-BH-04-C

Tot Ion: 43 Resp: 2248

Ion Ratio Lower Upper

43 100

58 43.5 35.4 53.0



#62

4-Bromofluorobenzene

Concen: 49.588 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW016424.D

Acq: 31 Aug 2020 20:37

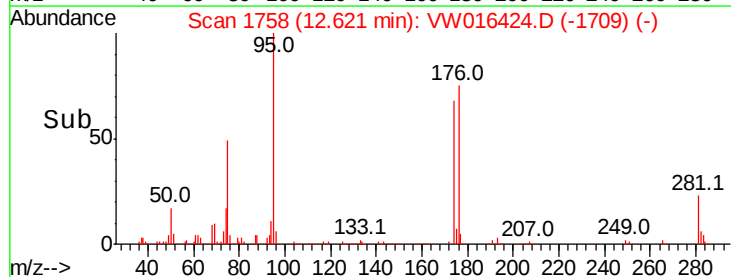
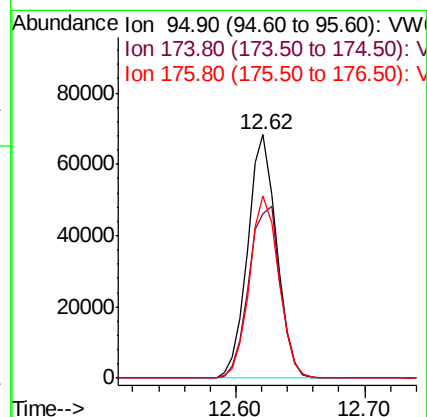
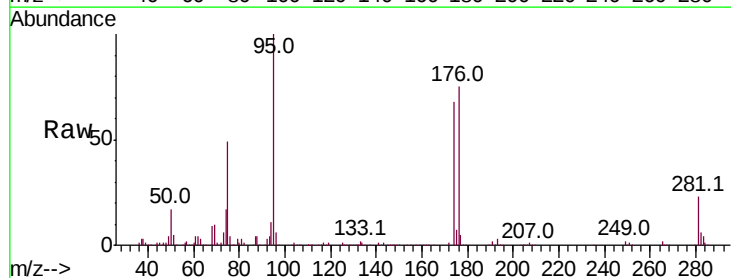
Tgt Ion: 95 Resp: 105349

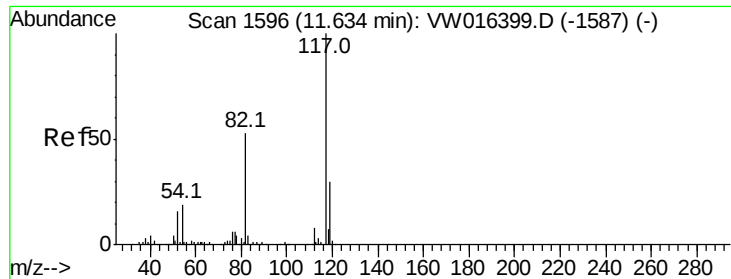
Ion Ratio Lower Upper

95 100

174 77.0 0.0 152.0

176 75.7 0.0 145.6

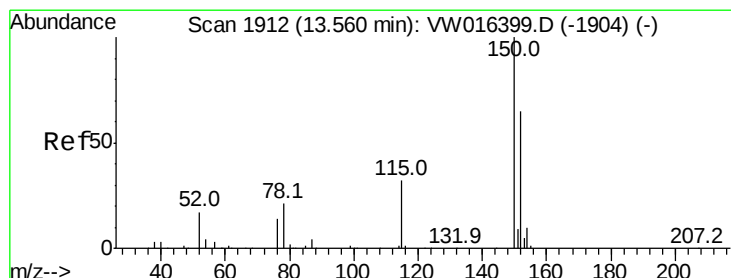
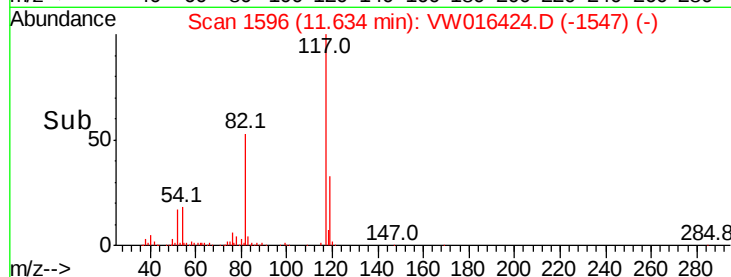
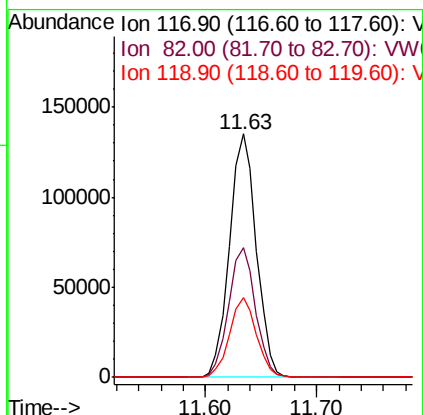
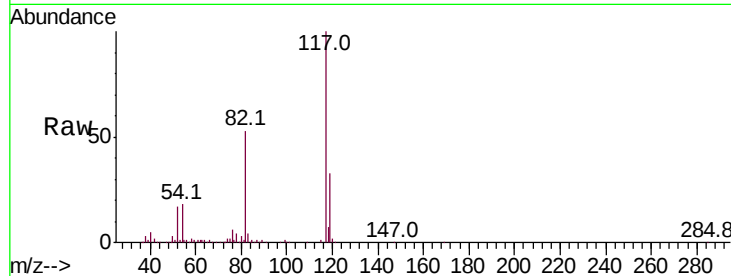




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW016424.D
Acq: 31 Aug 2020 20:37

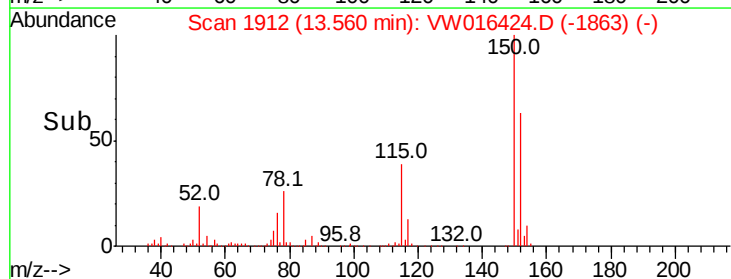
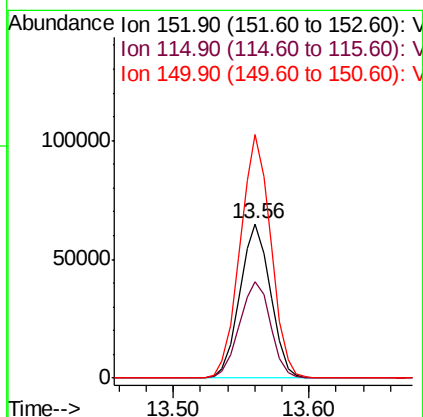
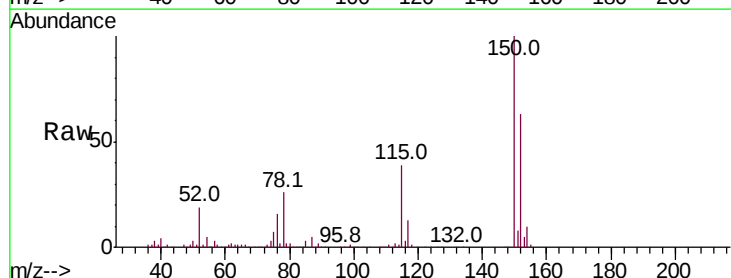
Instrument :
MSVOA_W
ClientSampleId :
LINDEN-BH-04-C

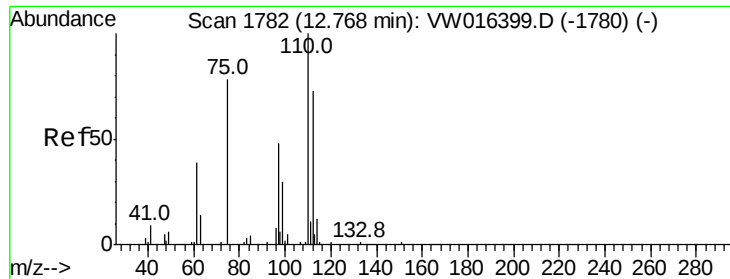
Tot Ion:117 Resp: 224863
Ion Ratio Lower Upper
117 100
82 53.4 42.2 63.4
119 32.7 24.2 36.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW016424.D
Acq: 31 Aug 2020 20:37

Tgt Ion:152 Resp: 102093
Ion Ratio Lower Upper
152 100
115 63.3 30.9 92.5
150 158.1 0.0 351.0





#76

1,2,3-Trichloropropane

Concen: 58.900 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW016424.D

Acq: 31 Aug 2020 20:37

Instrument :

MSVOA_W

ClientSampleId :

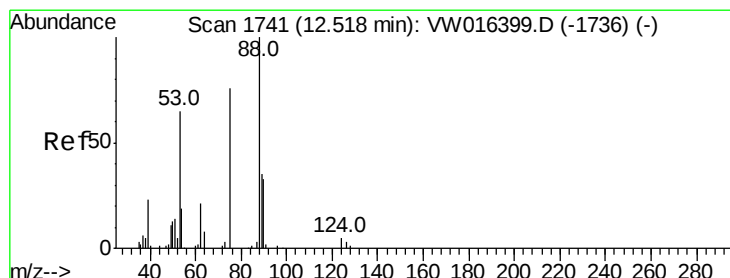
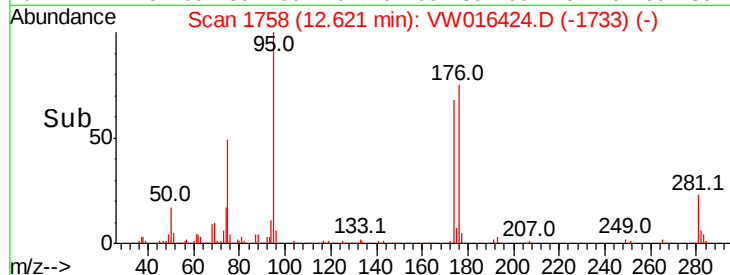
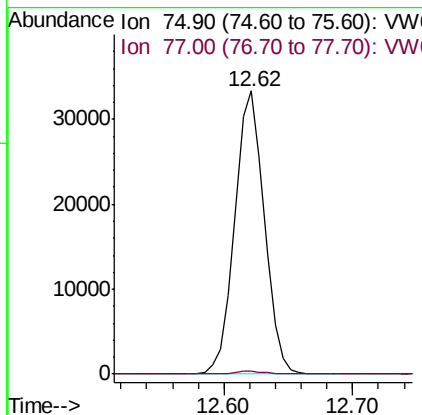
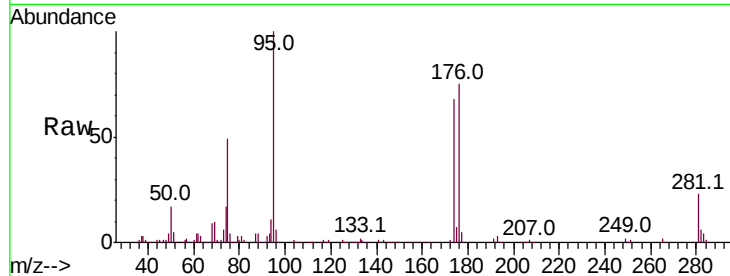
LINDEN-BH-04-C

Tot Ion: 75 Resp: 53173

Ion Ratio Lower Upper

75 100

77 1.0 173.4 520.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 130.769 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW016424.D

Acq: 31 Aug 2020 20:37

Tgt Ion: 75 Resp: 53173

Ion Ratio Lower Upper

75 100

53 0.0 75.2 112.8#

89 0.4 40.4 60.6#

