

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW083120\
 Data File : VW016420.D
 Acq On : 31 Aug 2020 18:56
 Operator : SY/VA
 Sample : L3848-08
 Misc : 4.77G/5ML/MSVOA W/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 LINDEN-BH-02-C

Quant Time: Sep 01 03:00:16 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	111344	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	193160	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	177455	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	78500	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	64101	57.51	ug/l	0.00
Spiked Amount			Recovery	=	115.02%	
35) Dibromofluoromethane	7.88	113	62995	51.52	ug/l	0.00
Spiked Amount			Recovery	=	103.04%	
50) Toluene-d8	10.33	98	230563	50.36	ug/l	0.00
Spiked Amount			Recovery	=	100.72%	
62) 4-Bromofluorobenzene	12.62	95	82139	47.84	ug/l	0.00
Spiked Amount			Recovery	=	95.68%	

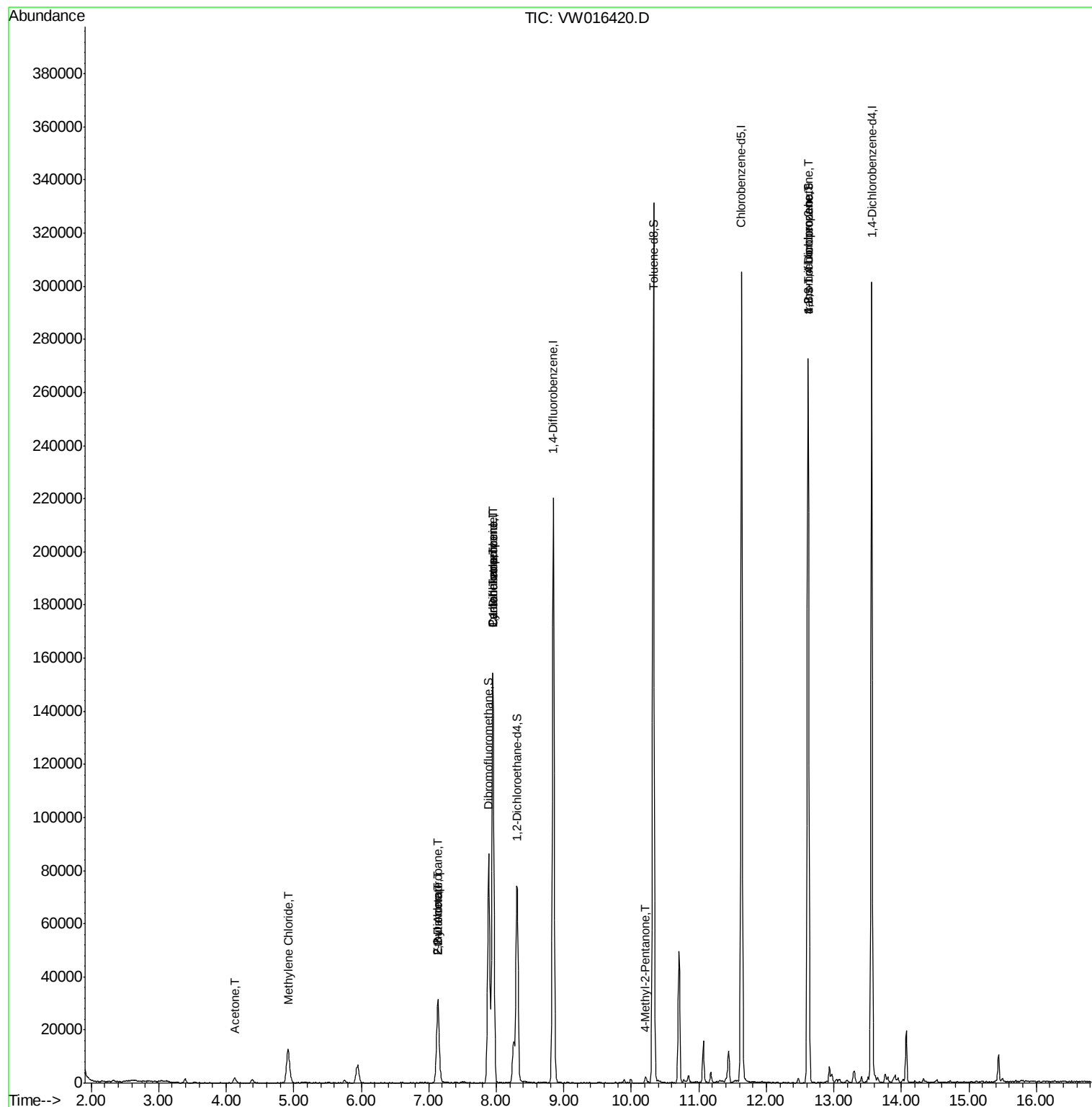
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.16	59	654	Below Cal	#	72
16) Acetone	4.12	43	3607	19.057	ug/l	95
20) Methylene Chloride	4.92	84	10878	3.872	ug/l	92
25) 2-Butanone	7.13	43	1528	5.950	ug/l #	68
26) 2,2-Dichloropropane	7.14	77	2074	1.421	ug/l #	52
31) Cyclohexane	7.95	56	2222	1.283	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	8646	4.703	ug/l #	49
37) Ethyl Acetate	7.13	43	1528	2.454	ug/l #	1
38) Carbon Tetrachloride	7.95	117	12076	5.995	ug/l #	19
51) 4-Methyl-2-Pentanone	10.21	43	1771	2.882	ug/l #	82
76) 1,2,3-Trichloropropane	12.62	75	42104	60.656	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	42104	134.668	ug/l #	11

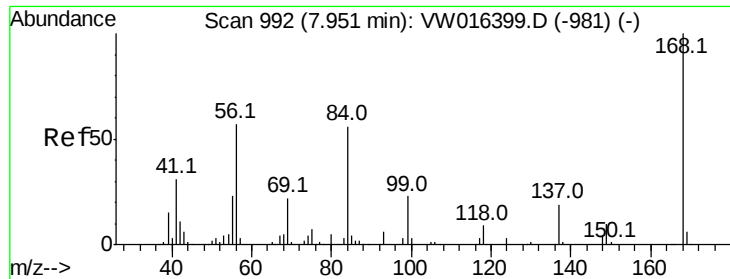
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW083120\
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Quant Title : SW846 8260
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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: VW016420.D

Acq: 31 Aug 2020 18:56

Instrument :

MSVOA_W

ClientSampleId :

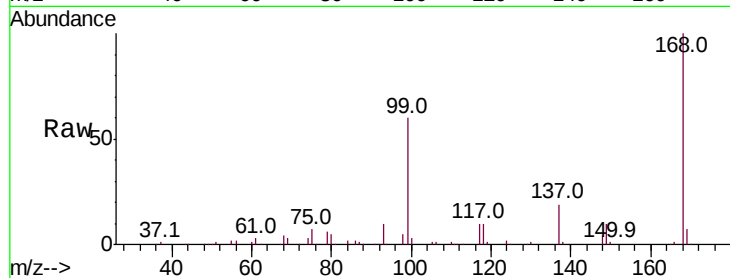
LINDEN-BH-02-C

Tot Ion:168 Resp: 111344

Ion Ratio Lower Upper

168 100

99 60.3 49.0 73.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

60000

50000

40000

30000

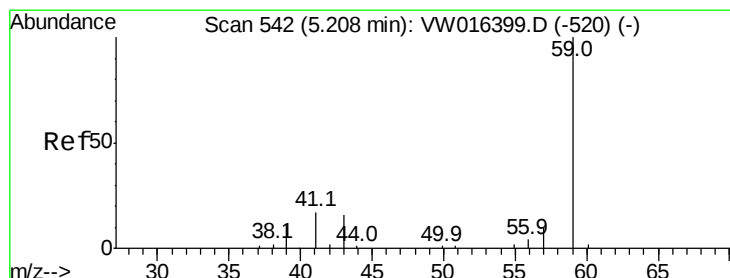
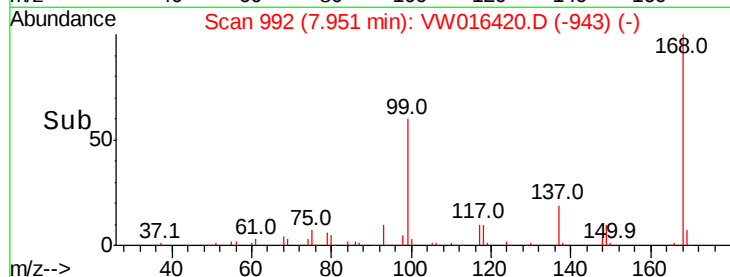
20000

10000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.16 min Scan# 534

Delta R.T. -0.05 min

Lab File: VW016420.D

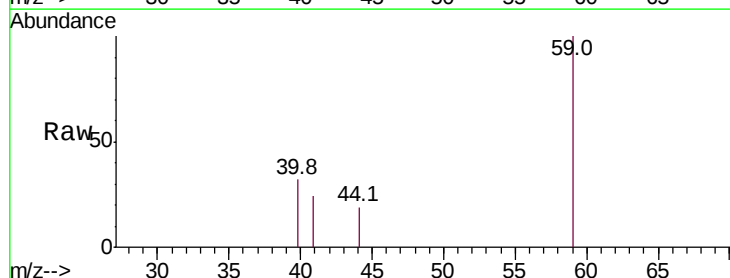
Acq: 31 Aug 2020 18:56

Tgt Ion: 59 Resp: 654

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

300

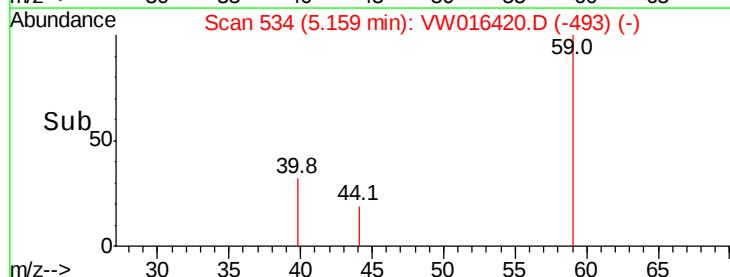
200

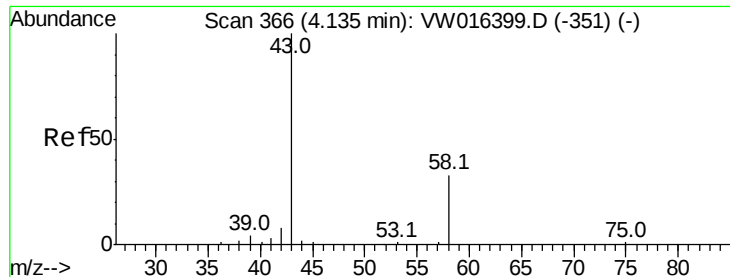
100

0

5.10 5.15 5.20

Time-->





#16

Acetone

Concen: 19.057 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW016420.D

Acq: 31 Aug 2020 18:56

Instrument :

MSVOA_W

ClientSampleId :

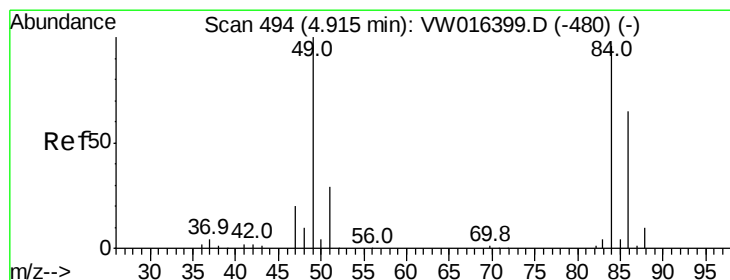
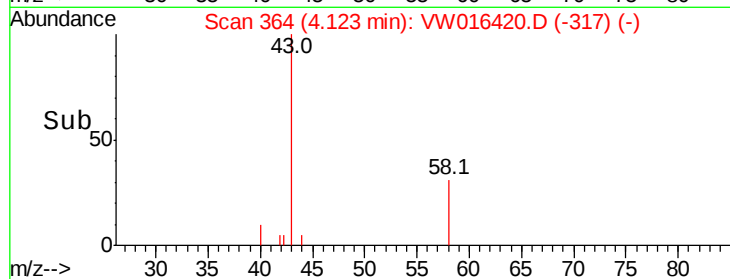
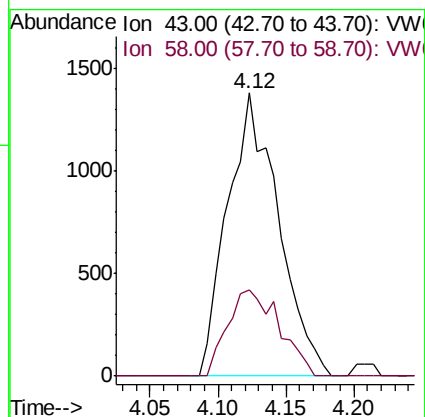
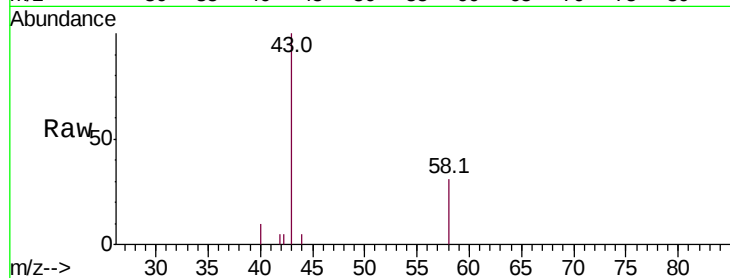
LINDEN-BH-02-C

Tot Ion: 43 Resp: 3607

Ion Ratio Lower Upper

43 100

58 30.6 26.6 39.8



#20

Methylene Chloride

Concen: 3.872 ug/l

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW016420.D

Acq: 31 Aug 2020 18:56

Tgt Ion: 84 Resp: 10878

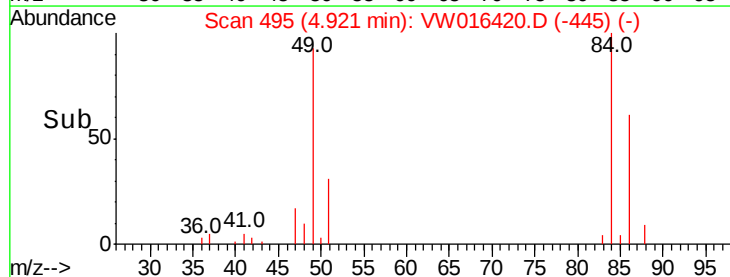
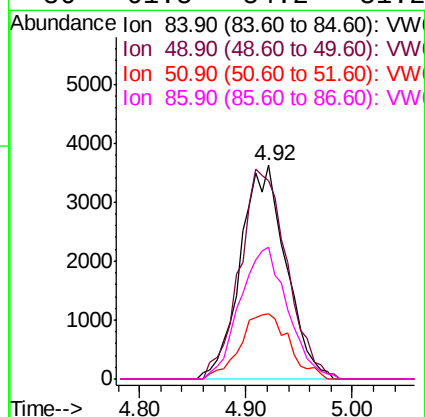
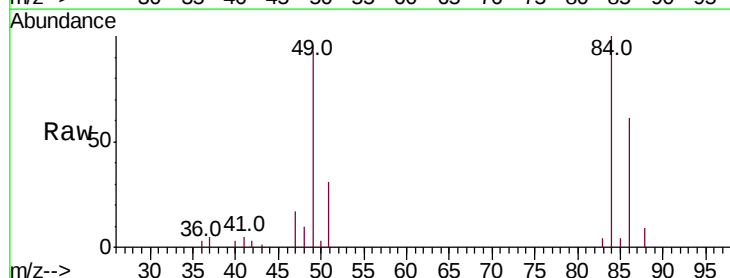
Ion Ratio Lower Upper

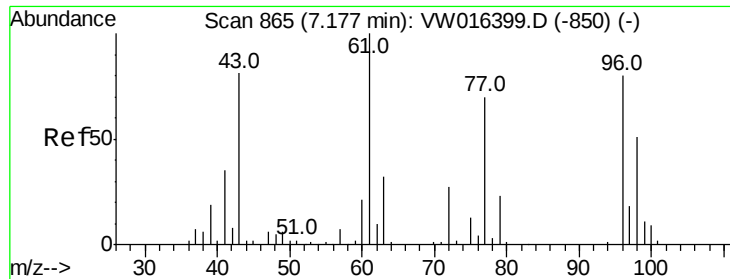
84 100

49 92.9 83.2 124.8

51 30.6 24.4 36.6

86 61.5 54.2 81.2

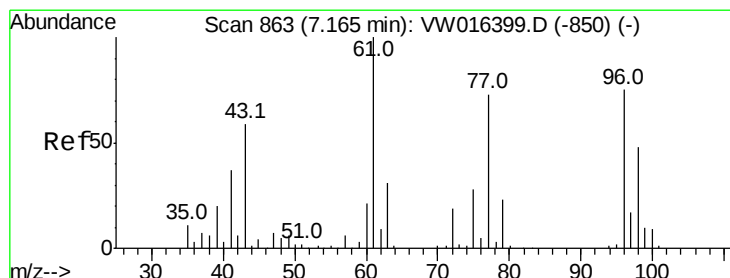
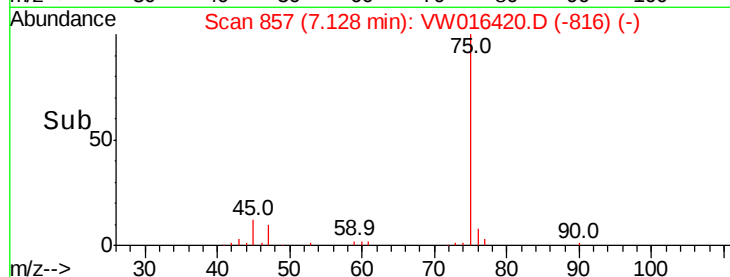
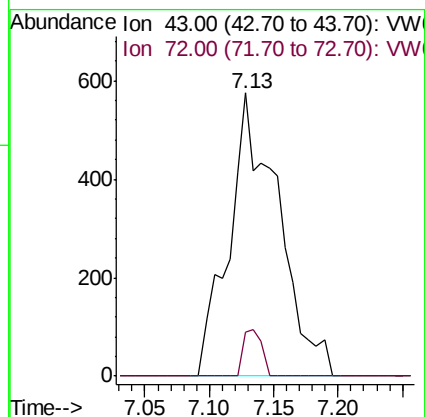
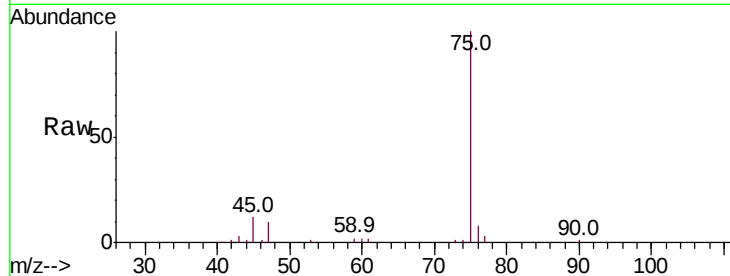




#25
2-Butanone
Concen: 5.950 ug/l
RT: 7.13 min Scan# 857
Delta R.T. -0.05 min
Lab File: VW016420.D
Acq: 31 Aug 2020 18:56

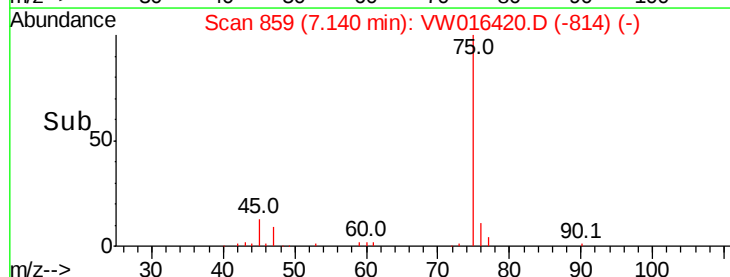
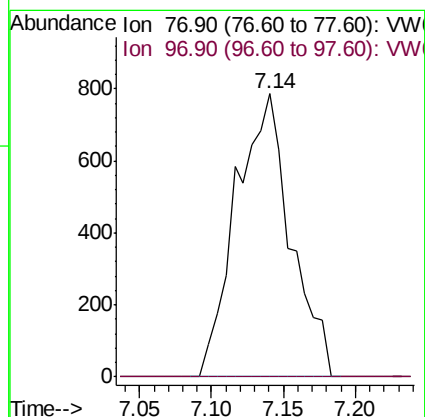
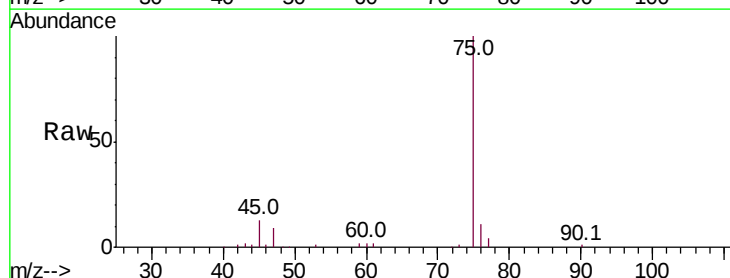
Instrument :
MSVOA_W
ClientSampleId :
LINDEN-BH-02-C

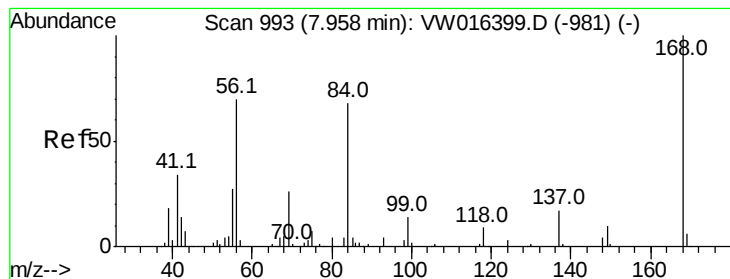
Tot Ion: 43 Resp: 1528
Ion Ratio Lower Upper
43 100
72 15.5 26.7 40.1#



#26
2,2-Dichloropropane
Concen: 1.421 ug/l
RT: 7.14 min Scan# 859
Delta R.T. -0.02 min
Lab File: VW016420.D
Acq: 31 Aug 2020 18:56

Tgt Ion: 77 Resp: 2074
Ion Ratio Lower Upper
77 100
97 0.0 11.7 35.0#





#31

Cyclohexane

Concen: 1.283 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW016420.D

Acq: 31 Aug 2020 18:56

Instrument :

MSVOA_W

ClientSampleId :

LINDEN-BH-02-C

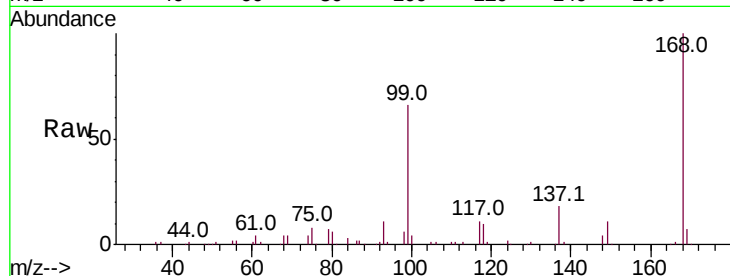
Tot Ion: 56 Resp: 2222

Ion Ratio Lower Upper

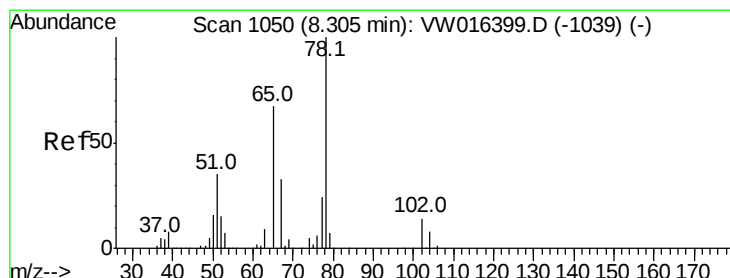
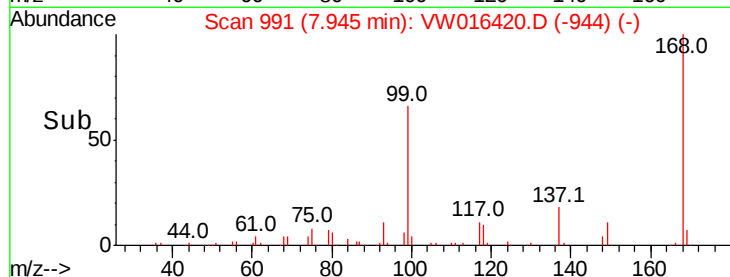
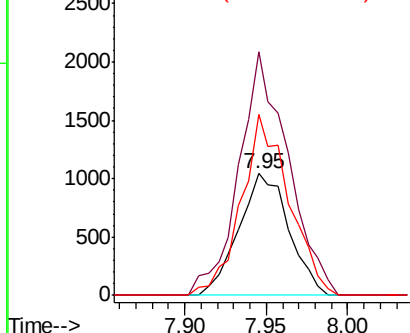
56 100

69 200.3 30.0 45.0#

84 149.0 77.4 116.2#



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: 57.510 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW016420.D

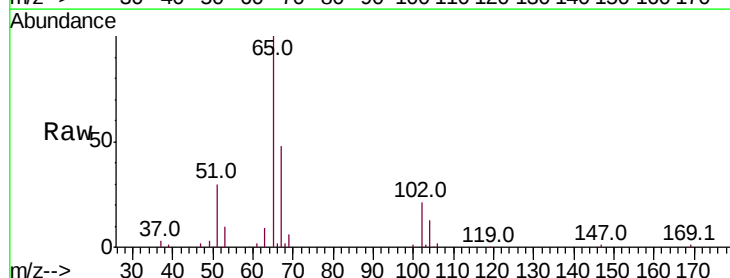
Acq: 31 Aug 2020 18:56

Tgt Ion: 65 Resp: 64101

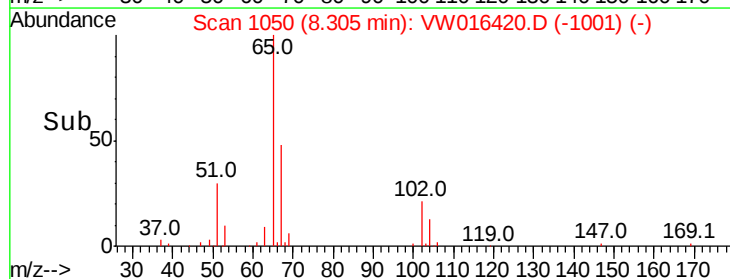
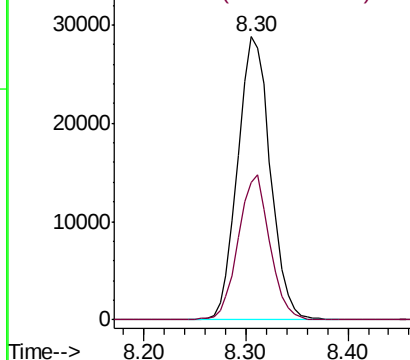
Ion Ratio Lower Upper

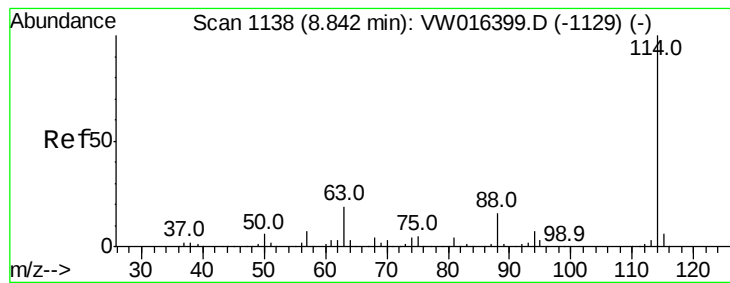
65 100

67 49.3 0.0 100.2



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: 8.85 min Scan# 1139

Delta R.T. 0.01 min

Lab File: VW016420.D

Acq: 31 Aug 2020 18:56

Instrument :

MSVOA_W

ClientSampleId :

LINDEN-BH-02-C

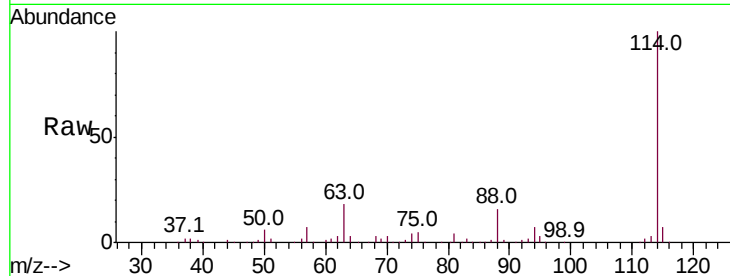
Tot Ion:114 Resp: 193160

Ion Ratio Lower Upper

114 100

63 17.9 0.0 37.8

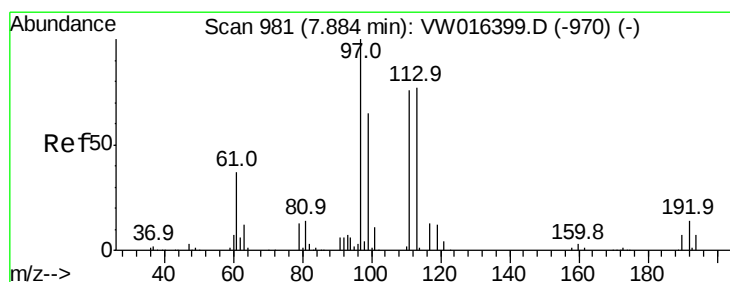
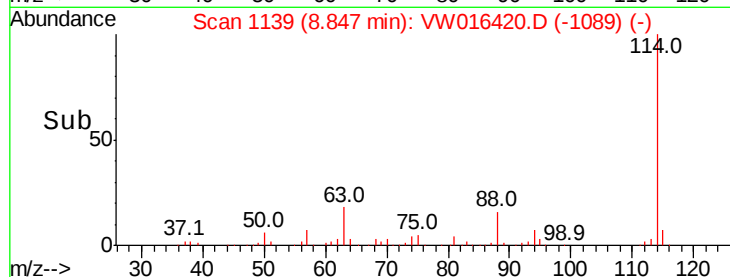
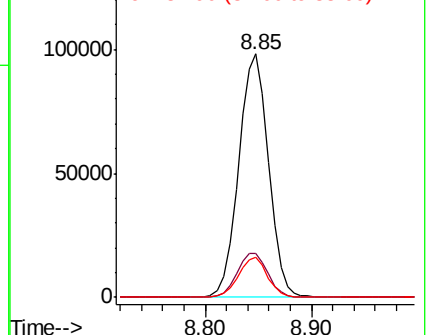
88 16.4 0.0 31.2



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



#35

Dibromofluoromethane

Concen: 51.523 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW016420.D

Acq: 31 Aug 2020 18:56

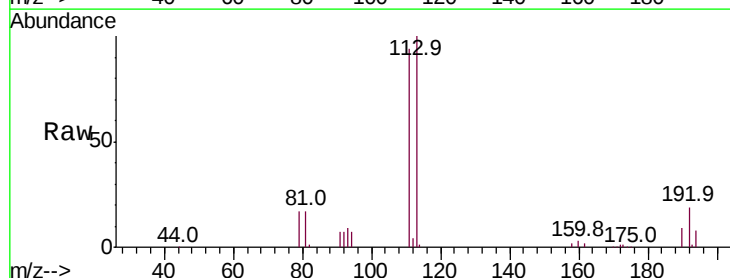
Tgt Ion:113 Resp: 62995

Ion Ratio Lower Upper

113 100

111 102.6 82.1 123.1

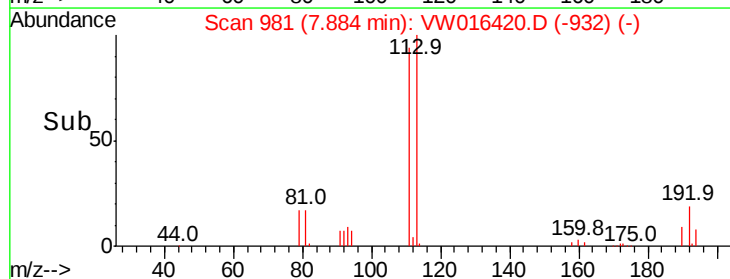
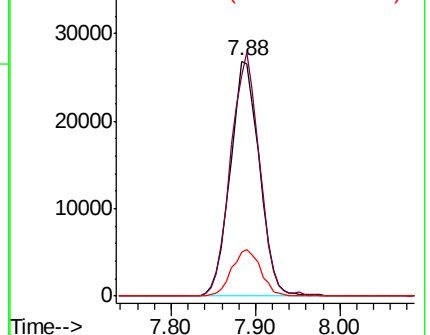
192 19.6 15.5 23.3

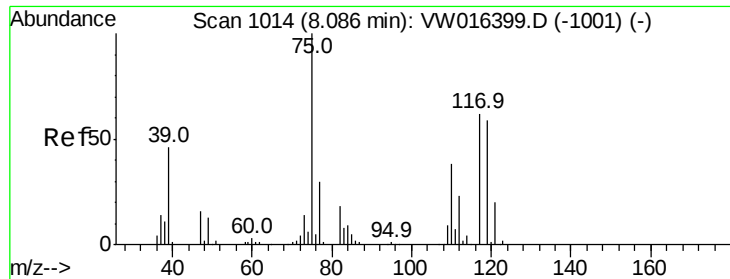


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.703 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.14 min

Lab File: VW016420.D

Acq: 31 Aug 2020 18:56

Instrument :

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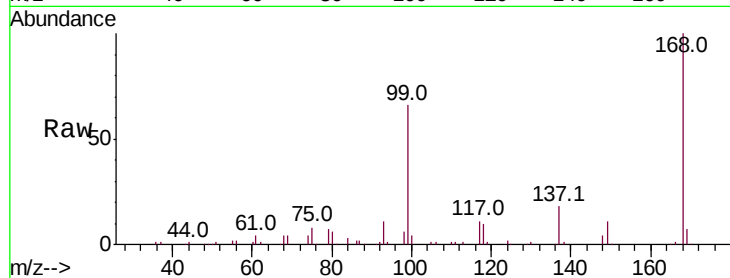
Tot Ion: 75 Resp: 8646

Ion Ratio Lower Upper

75 100

110 9.5 18.6 56.0#

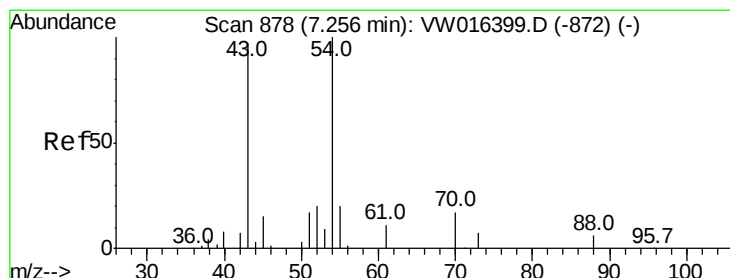
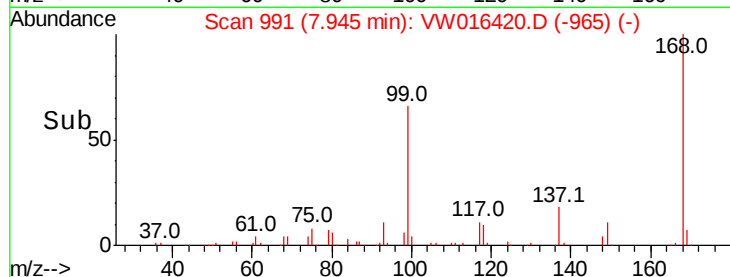
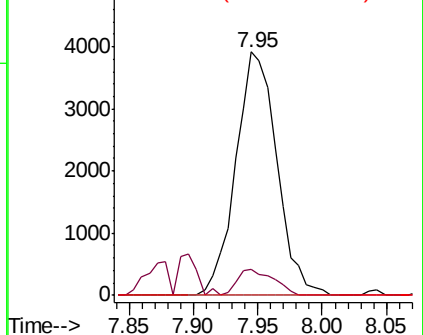
77 0.0 25.1 37.7#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): VW

Ion 76.90 (76.60 to 77.60): VW



#37

Ethyl Acetate

Concen: 2.454 ug/l

RT: 7.13 min Scan# 857

Delta R.T. -0.13 min

Lab File: VW016420.D

Acq: 31 Aug 2020 18:56

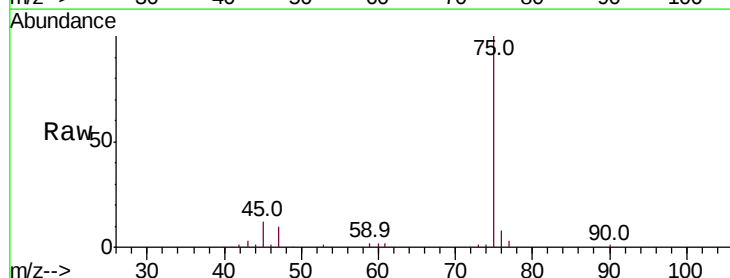
Tgt Ion: 43 Resp: 1528

Ion Ratio Lower Upper

43 100

61 85.1 11.5 17.3#

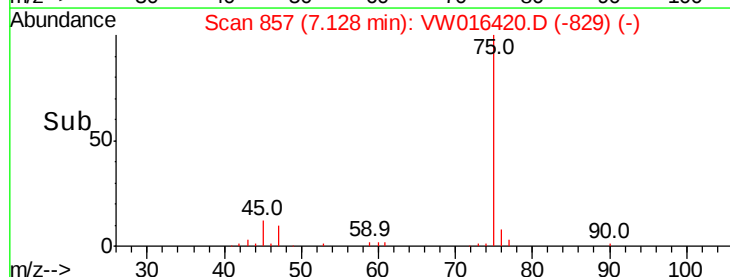
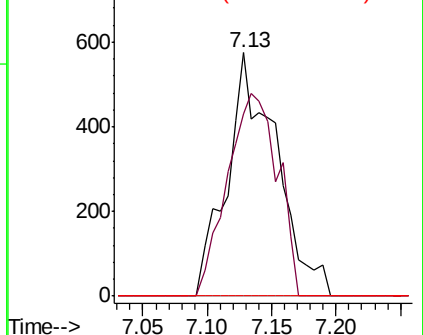
70 0.0 10.7 16.1#

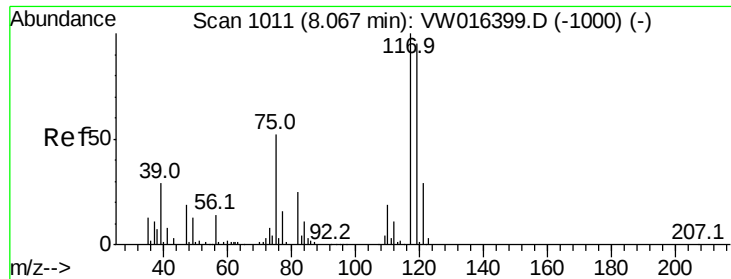


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW





#38

Carbon Tetrachloride

Concen: 5.995 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW016420.D

Acq: 31 Aug 2020 18:56

Instrument :

MSVOA_W

ClientSampleId :

LINDEN-BH-02-C

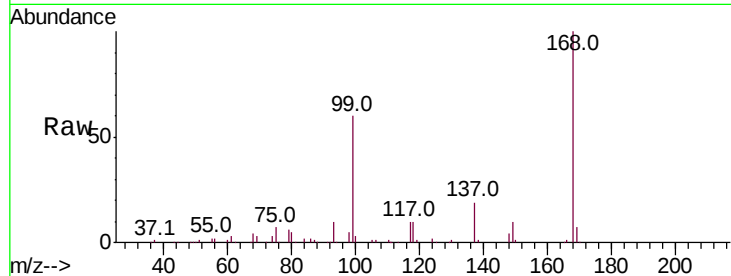
Tot Ion:117 Resp: 12076

Ion Ratio Lower Upper

117 100

119 8.8 76.3 114.5#

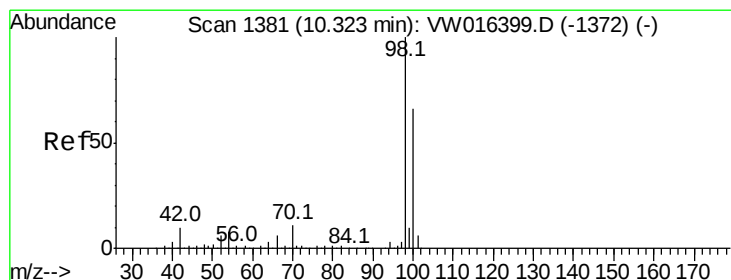
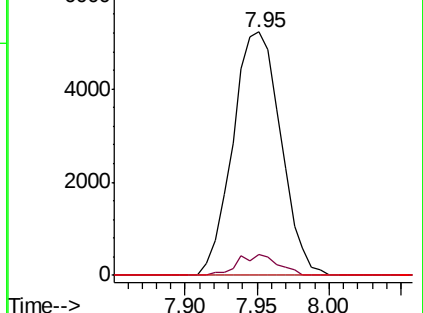
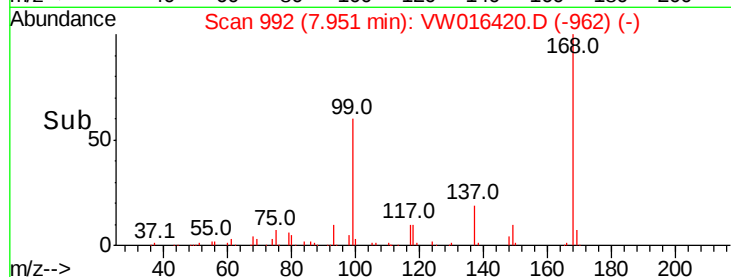
121 0.0 23.0 34.6#



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: 50.359 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.01 min

Lab File: VW016420.D

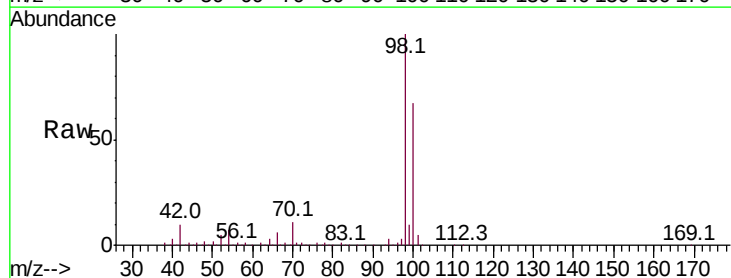
Acq: 31 Aug 2020 18:56

Tgt Ion: 98 Resp: 230563

Ion Ratio Lower Upper

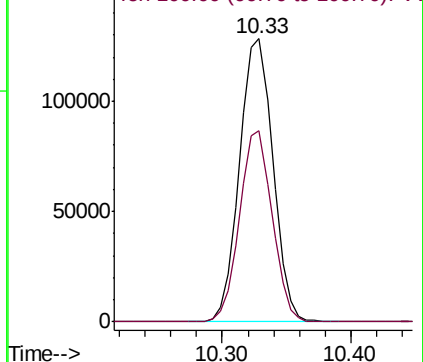
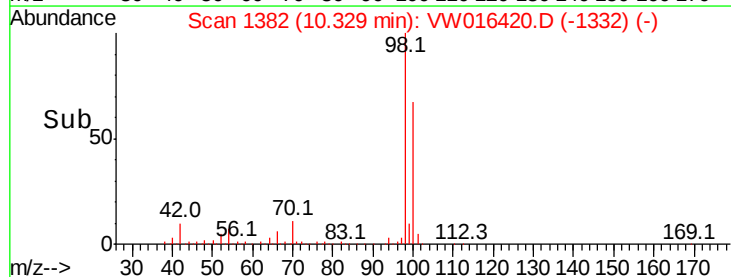
98 100

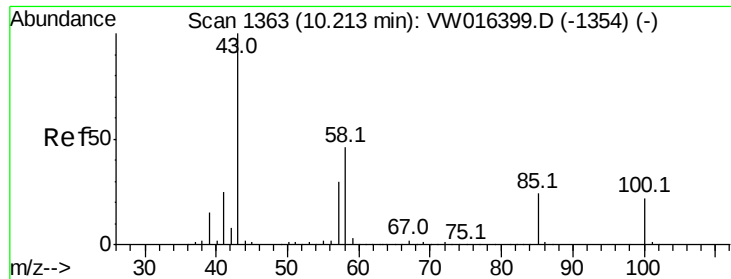
100 65.9 52.6 78.8



Abundance Ion 98.00 (97.70 to 98.70): VW

150000 Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 2.882 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW016420.D

Acq: 31 Aug 2020 18:56

Instrument :

MSVOA_W

ClientSampleId :

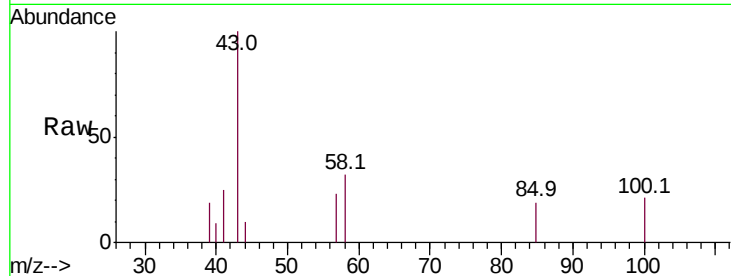
LINDEN-BH-02-C

Tot Ion: 43 Resp: 1771

Ion Ratio Lower Upper

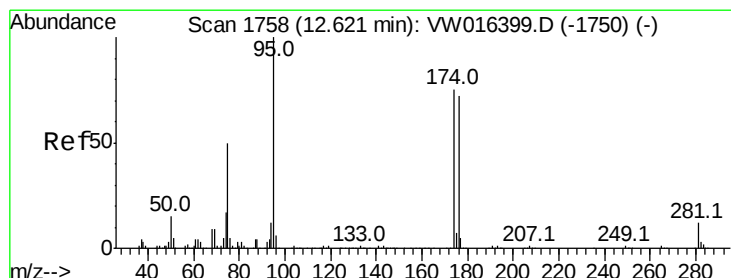
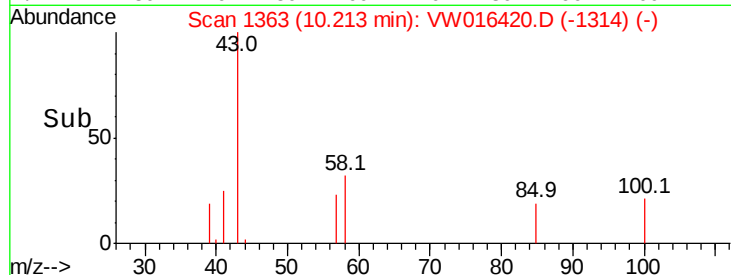
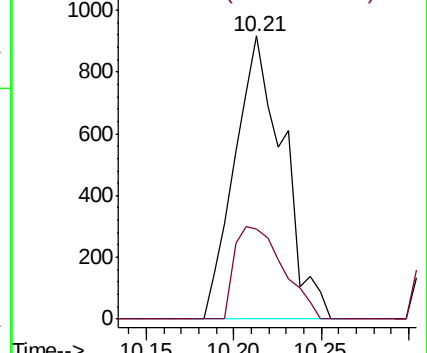
43 100

58 32.6 35.4 53.0#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#62

4-Bromofluorobenzene

Concen: 47.843 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW016420.D

Acq: 31 Aug 2020 18:56

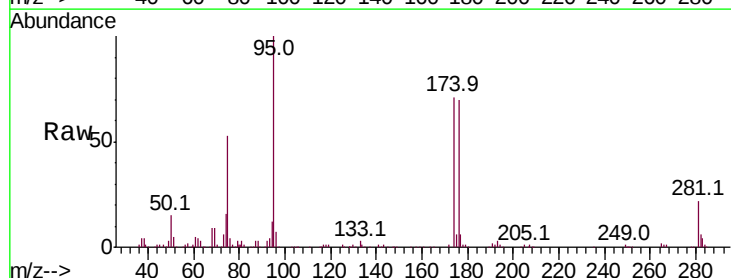
Tgt Ion: 95 Resp: 82139

Ion Ratio Lower Upper

95 100

174 75.4 0.0 152.0

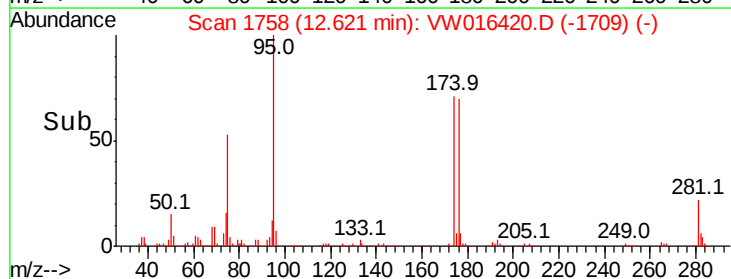
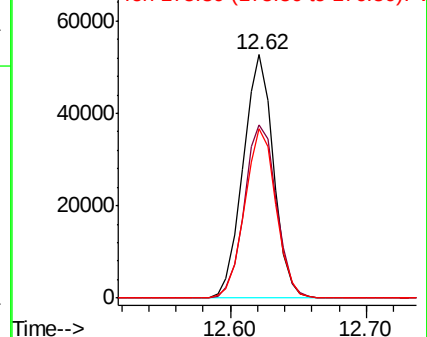
176 71.8 0.0 145.6

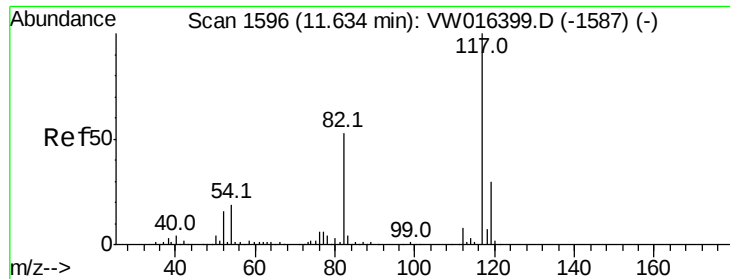


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

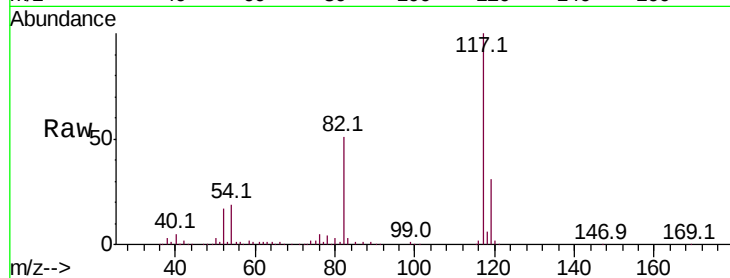




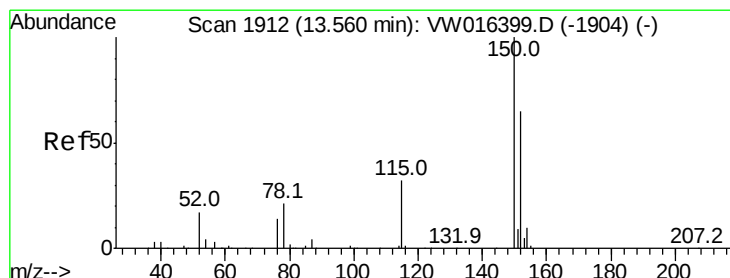
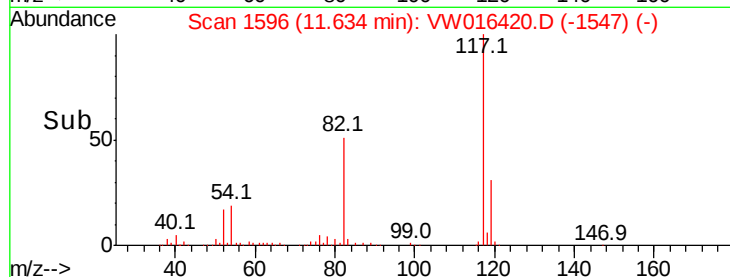
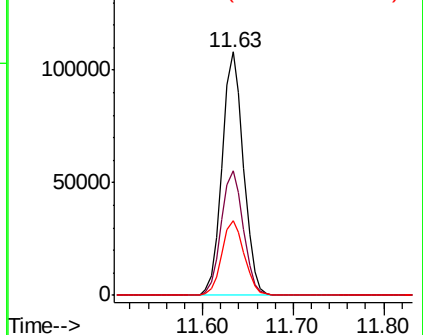
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW016420.D
Acq: 31 Aug 2020 18:56

Instrument :
MSVOA_W
ClientSampleId :
LINDEN-BH-02-C

Tot Ion:117 Resp: 177455
Ion Ratio Lower Upper
117 100
82 51.4 42.2 63.4
119 30.8 24.2 36.4

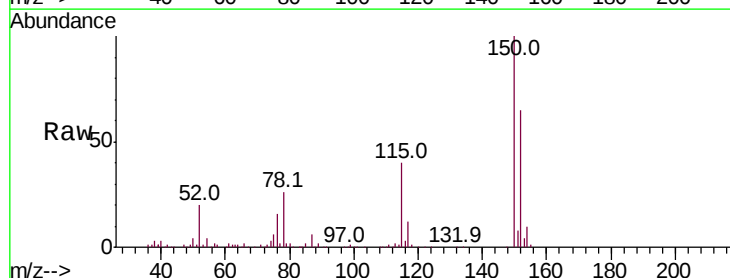


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

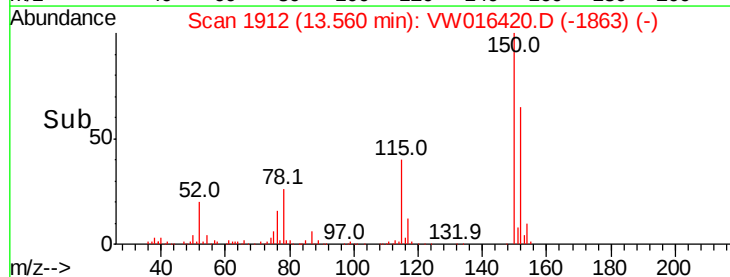
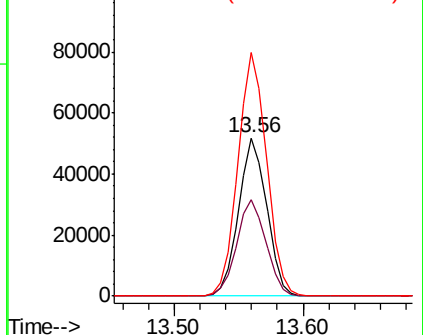


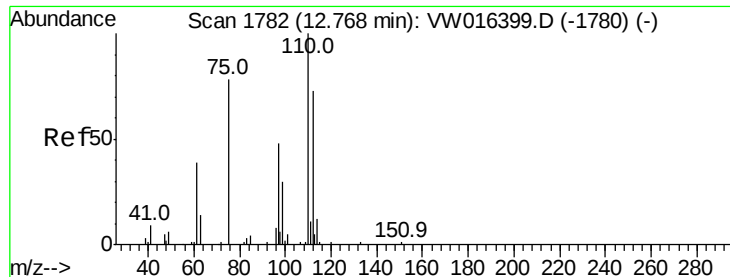
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW016420.D
Acq: 31 Aug 2020 18:56

Tgt Ion:152 Resp: 78500
Ion Ratio Lower Upper
152 100
115 63.1 30.9 92.5
150 157.2 0.0 351.0



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: 60.656 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW016420.D

Acq: 31 Aug 2020 18:56

Instrument :

MSVOA_W

ClientSampleId :

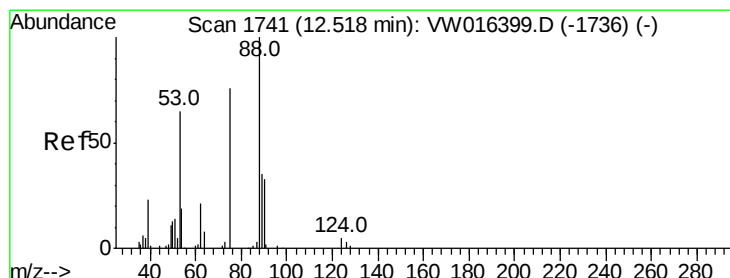
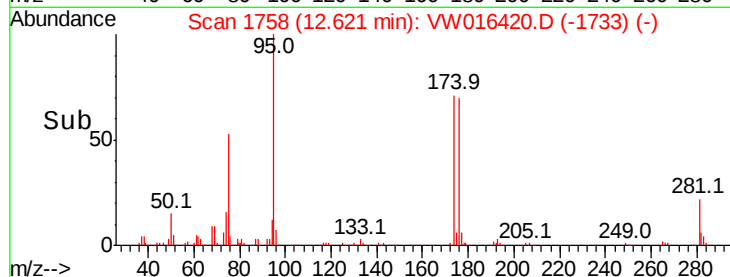
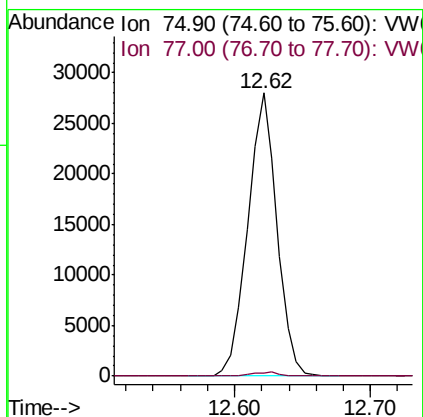
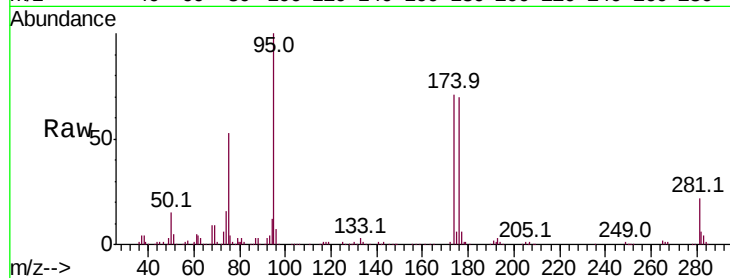
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Tot Ion: 75 Resp: 42104

Ion Ratio Lower Upper

75 100

77 1.2 173.4 520.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 134.668 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW016420.D

Acq: 31 Aug 2020 18:56

Tgt Ion: 75 Resp: 42104

Ion Ratio Lower Upper

75 100

53 0.0 75.2 112.8#

89 0.4 40.4 60.6#

