

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW083120\
 Data File : VW016423.D
 Acq On : 31 Aug 2020 20:12
 Operator : SY/VA
 Sample : L3848-14
 Misc : 4.80G/5ML/MSVOA W/SOIL
 ALS Vial : 22 Sample Multiplier: 1

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

Quant Time: Sep 01 03:00:42 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	141801	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	238554	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	223637	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	101125	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	77524	54.61	ug/l	0.00
Spiked Amount			Recovery	=	109.22%	
35) Dibromofluoromethane	7.89	113	75425	49.95	ug/l	0.00
Spiked Amount			Recovery	=	99.90%	
50) Toluene-d8	10.33	98	285837	50.55	ug/l	0.00
Spiked Amount			Recovery	=	101.10%	
62) 4-Bromofluorobenzene	12.62	95	102394	48.29	ug/l	0.00
Spiked Amount			Recovery	=	96.58%	

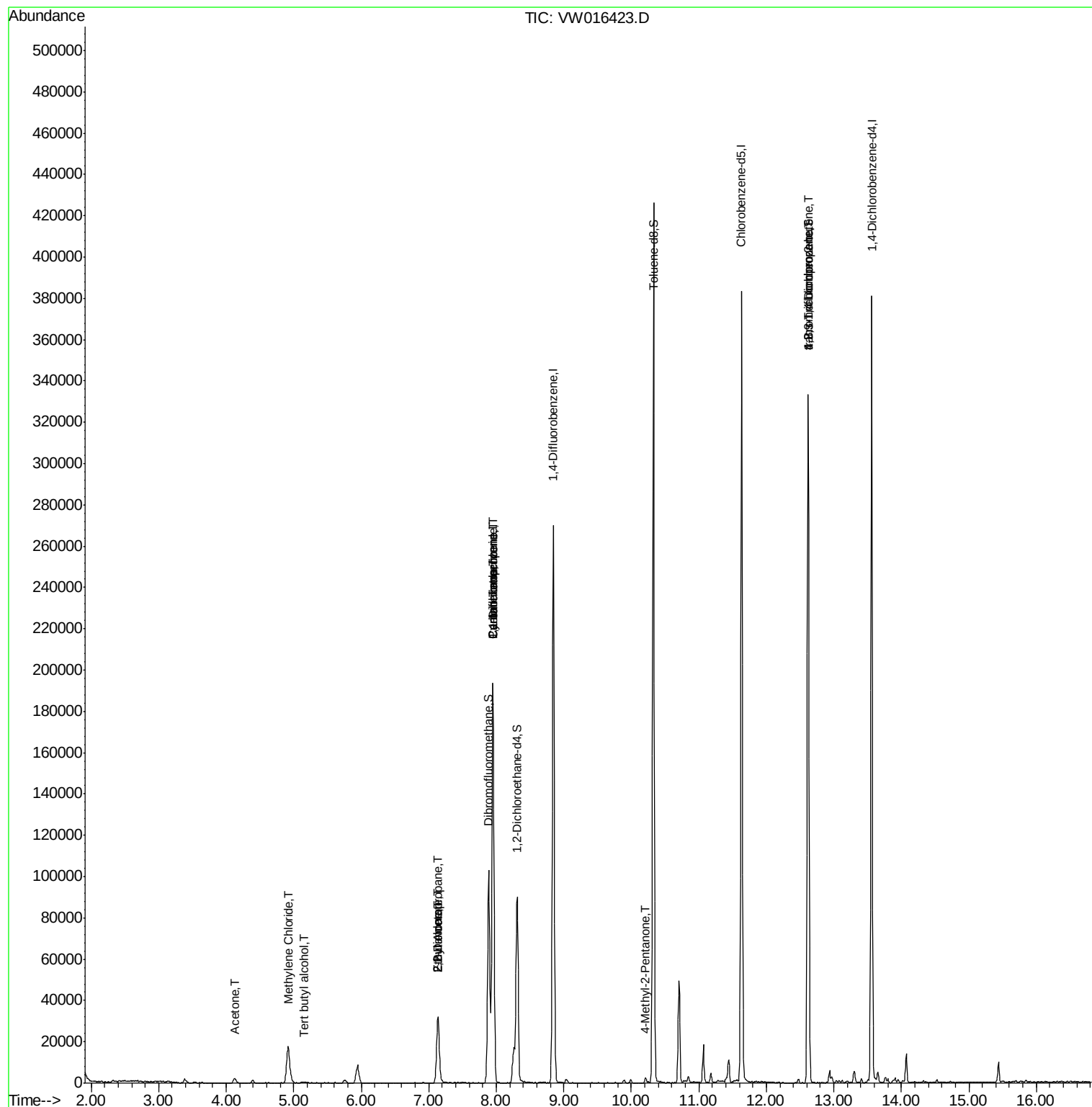
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.15	59	1226	2.695	ug/l #	72
16) Acetone	4.13	43	4203	17.437	ug/l	97
20) Methylene Chloride	4.93	84	14797	4.572	ug/l	89
25) 2-Butanone	7.13	43	1454	4.446	ug/l #	41
26) 2,2-Dichloropropane	7.13	77	2153	1.158	ug/l #	52
31) Cyclohexane	7.95	56	2828	1.282	ug/l #	10
36) 1,1-Dichloropropene	7.95	75	10730	4.726	ug/l #	49
37) Ethyl Acetate	7.13	43	1454	1.891	ug/l #	1
38) Carbon Tetrachloride	7.95	117	15163	6.095	ug/l #	16
51) 4-Methyl-2-Pentanone	10.22	43	1604	2.114	ug/l	93
76) 1,2,3-Trichloropropane	12.62	75	51719	57.838	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	51719	128.411	ug/l #	11

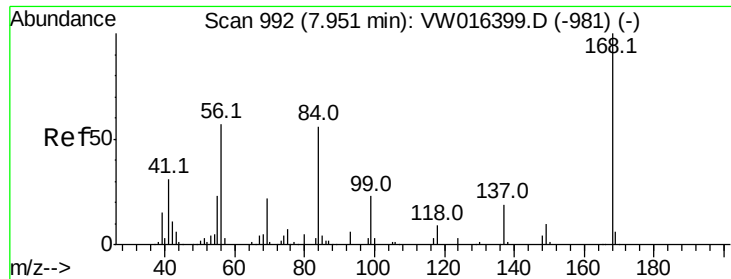
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW016423.D

Acq: 31 Aug 2020 20:12

Instrument :

MSVOA_W

ClientSampleId :

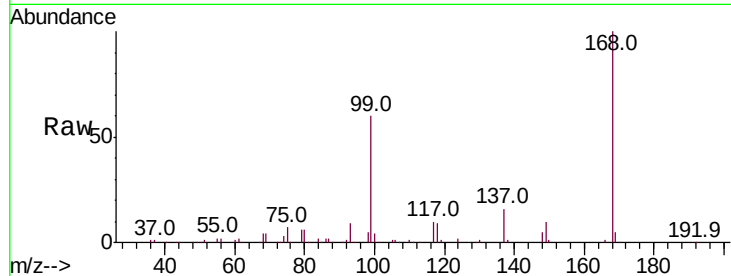
LINDEN-BH-04-B

Tot Ion:168 Resp: 141801

Ion Ratio Lower Upper

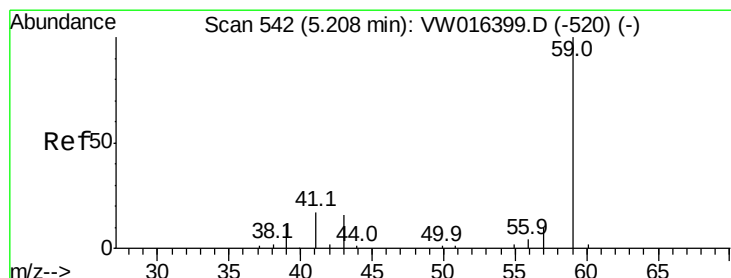
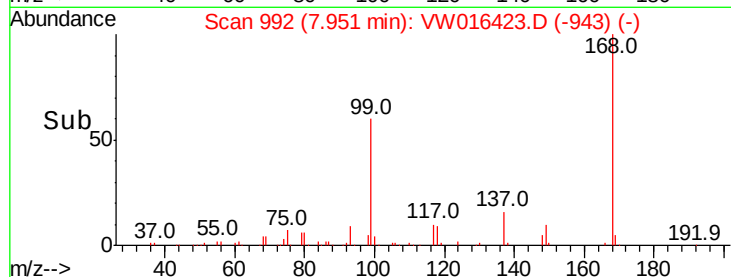
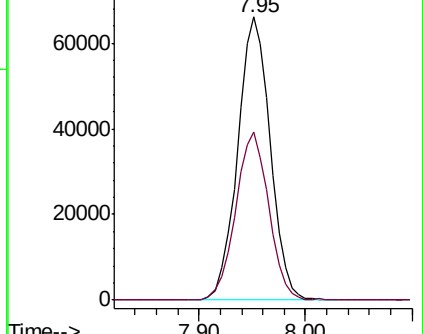
168 100

99 59.6 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: 2.695 ug/l

RT: 5.15 min Scan# 533

Delta R.T. -0.06 min

Lab File: VW016423.D

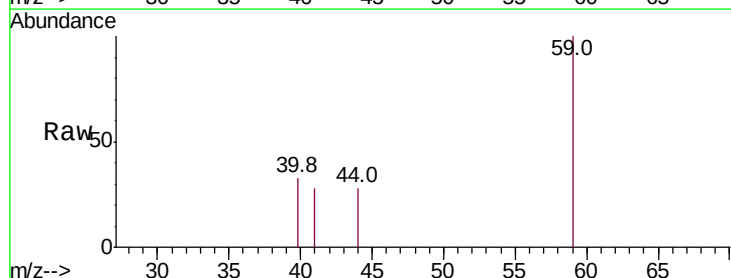
Acq: 31 Aug 2020 20:12

Tgt Ion: 59 Resp: 1226

Ion Ratio Lower Upper

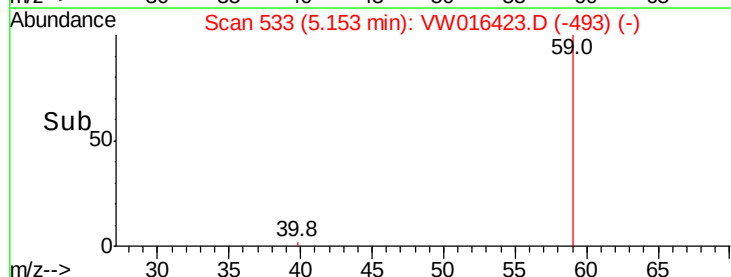
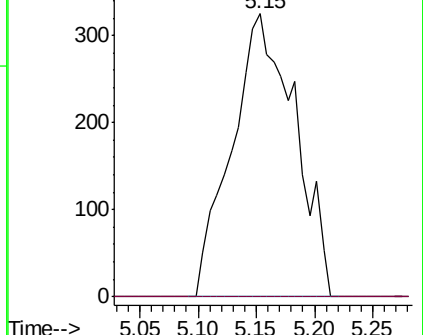
59 100

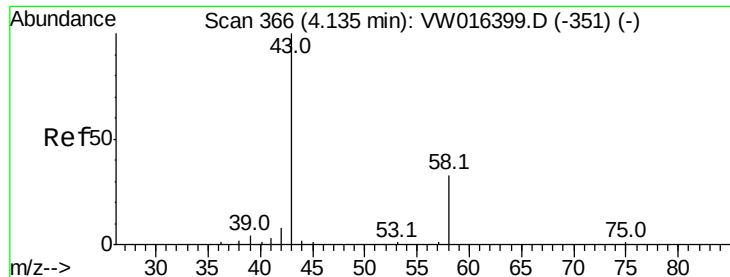
57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 17.437 ug/l

RT: 4.13 min Scan# 365

Delta R.T. -0.01 min

Lab File: VW016423.D

Acq: 31 Aug 2020 20:12

Instrument :

MSVOA_W

ClientSampleId :

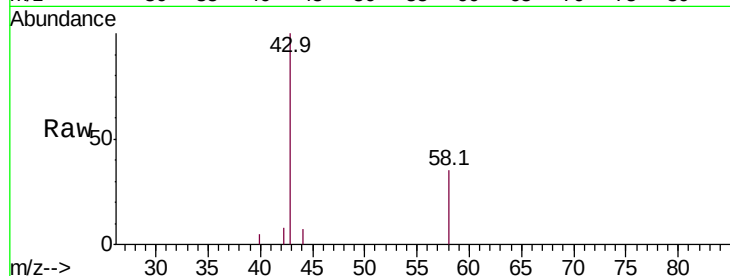
LINDEN-BH-04-B

Tot Ion: 43 Resp: 4203

Ion Ratio Lower Upper

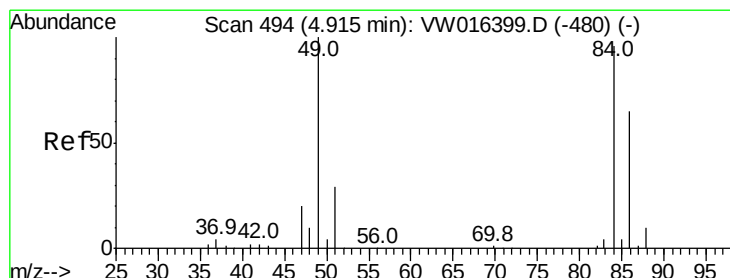
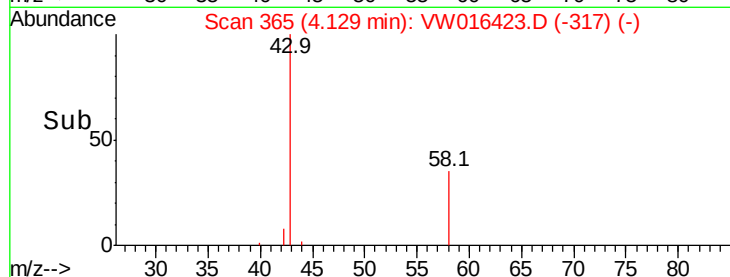
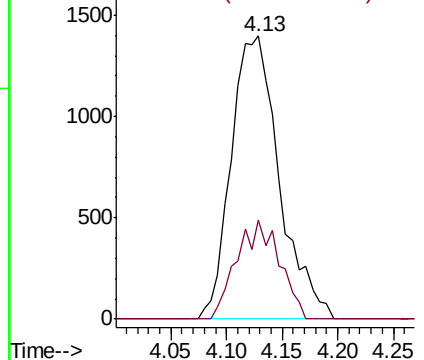
43 100

58 34.8 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: 4.572 ug/l

RT: 4.93 min Scan# 496

Delta R.T. 0.01 min

Lab File: VW016423.D

Acq: 31 Aug 2020 20:12

Tgt Ion: 84 Resp: 14797

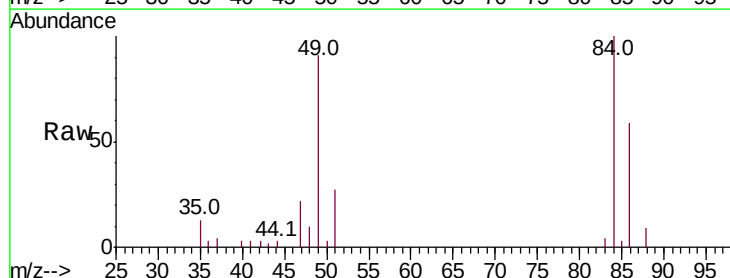
Ion Ratio Lower Upper

84 100

49 90.5 83.2 124.8

51 27.5 24.4 36.6

86 59.2 54.2 81.2

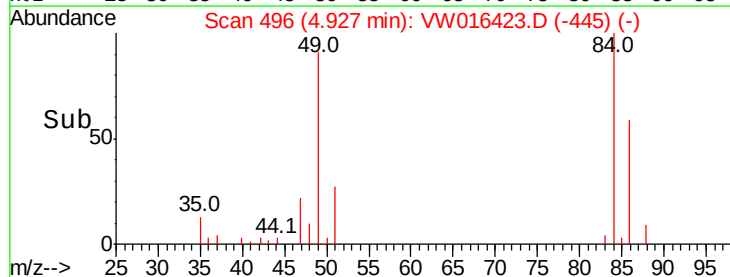
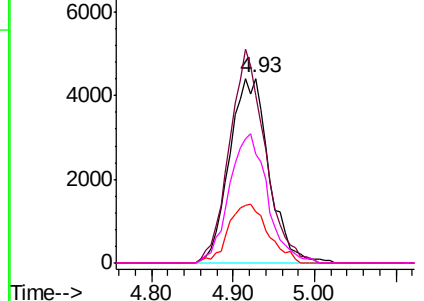


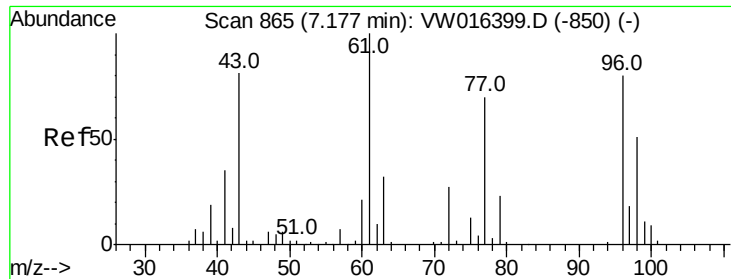
Abundance Ion 83.90 (83.60 to 84.60): VW

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





#25

2-Butanone

Concen: 4.446 ug/l

RT: 7.13 min Scan# 858

Delta R.T. -0.04 min

Lab File: VW016423.D

Acq: 31 Aug 2020 20:12

Instrument :

MSVOA_W

ClientSampleId :

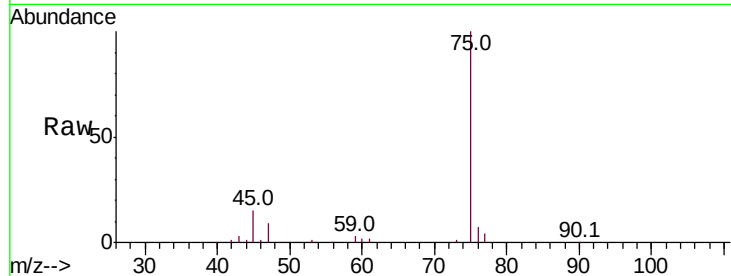
LINDEN-BH-04-B

Tot Ion: 43 Resp: 1454

Ion Ratio Lower Upper

43 100

72 0.0 26.7 40.1#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

7.13

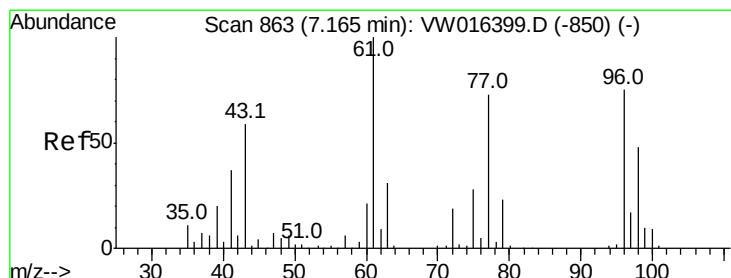
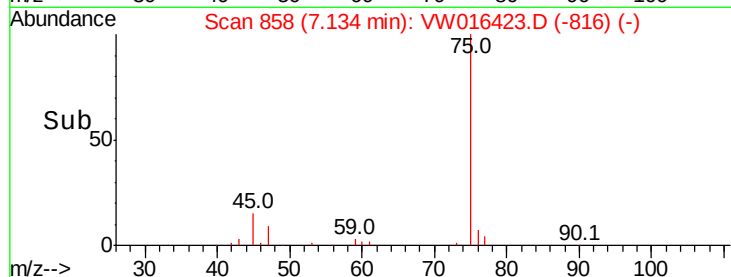
600

400

200

0

Time--> 7.05 7.10 7.15 7.20



#26

2,2-Dichloropropane

Concen: 1.158 ug/l

RT: 7.13 min Scan# 858

Delta R.T. -0.03 min

Lab File: VW016423.D

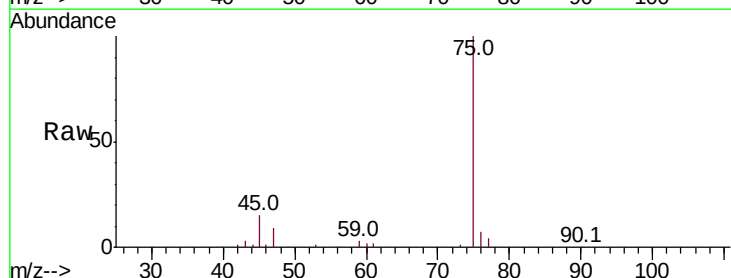
Acq: 31 Aug 2020 20:12

Tgt Ion: 77 Resp: 2153

Ion Ratio Lower Upper

77 100

97 0.0 11.7 35.0#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW

7.13

800

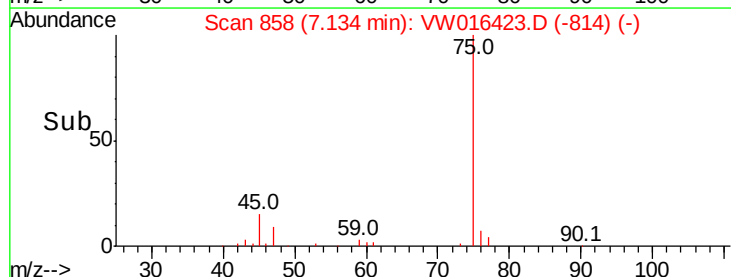
600

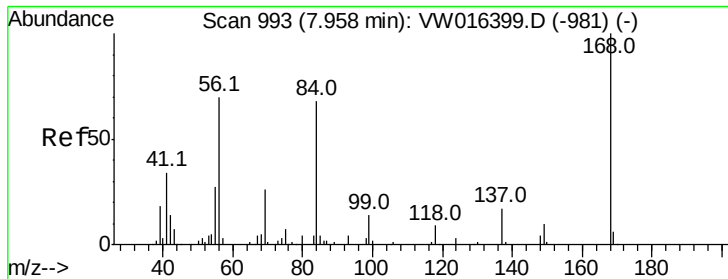
400

200

0

Time--> 7.05 7.10 7.15 7.20

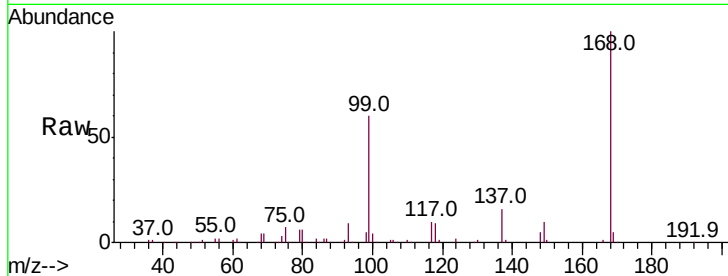




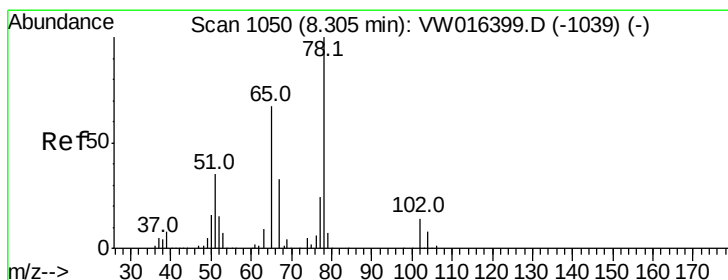
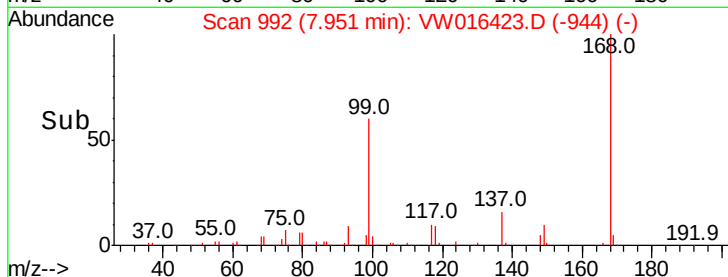
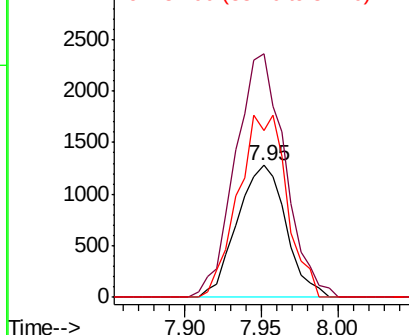
#31
Cyclohexane
Concen: 1.282 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW016423.D
Acq: 31 Aug 2020 20:12

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

Tot Ion: 56 Resp: 2828
Ion Ratio Lower Upper
56 100
69 184.5 30.0 45.0#
84 126.2 77.4 116.2#

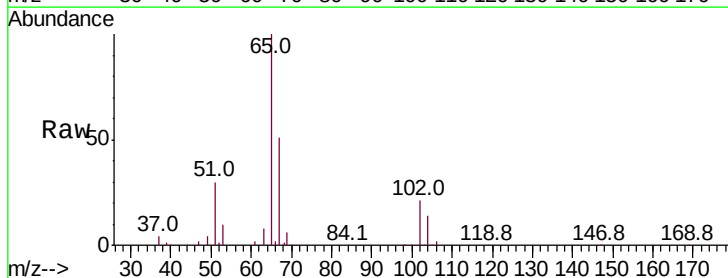


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

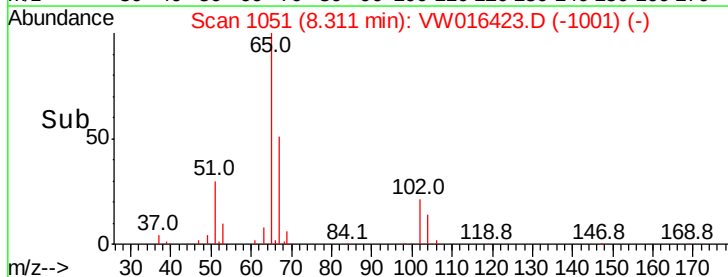
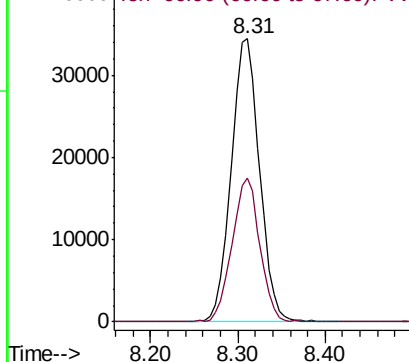


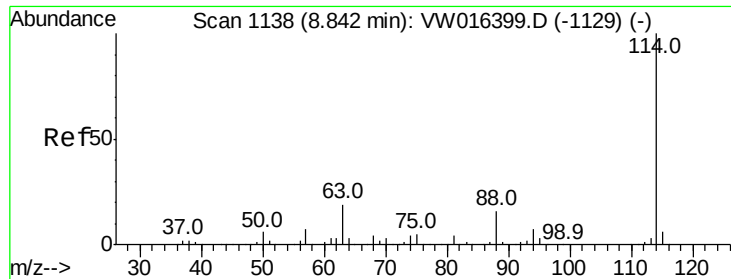
#33
1,2-Dichloroethane-d4
Concen: 54.614 ug/l
RT: 8.31 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VW016423.D
Acq: 31 Aug 2020 20:12

Tgt Ion: 65 Resp: 77524
Ion Ratio Lower Upper
65 100
67 49.9 0.0 100.2



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

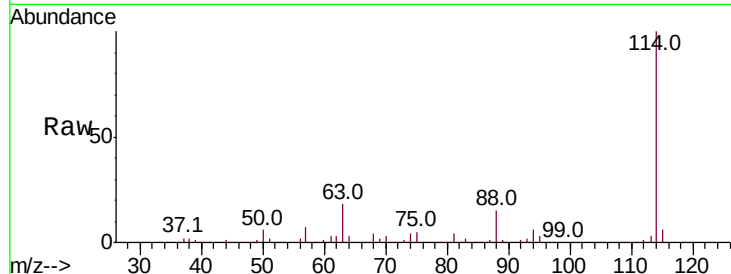




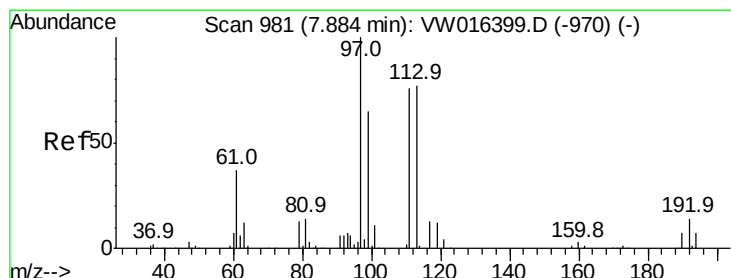
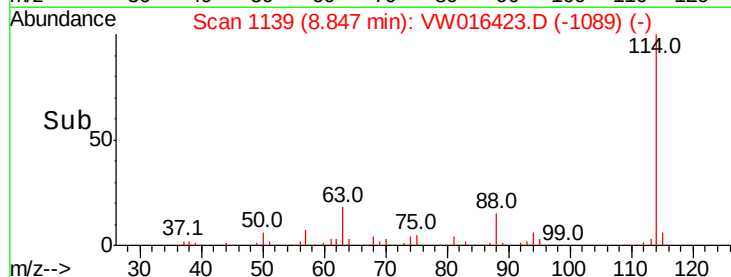
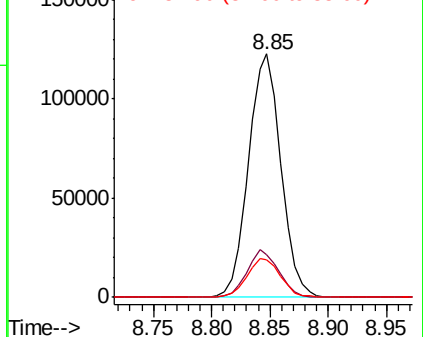
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.01 min
 Lab File: VW016423.D
 Acq: 31 Aug 2020 20:12

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

Tot Ion:114 Resp: 238554
 Ion Ratio Lower Upper
 114 100
 63 17.6 0.0 37.8
 88 15.4 0.0 31.2

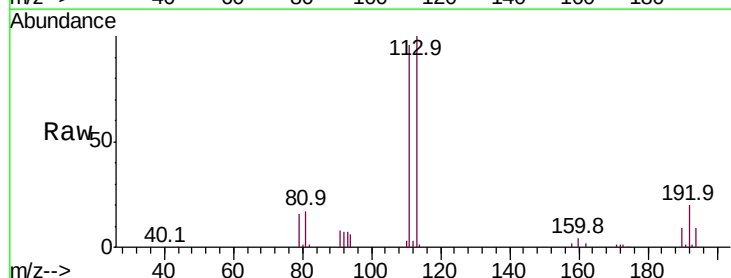


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

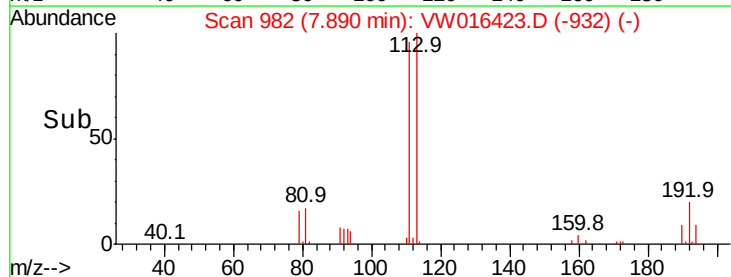
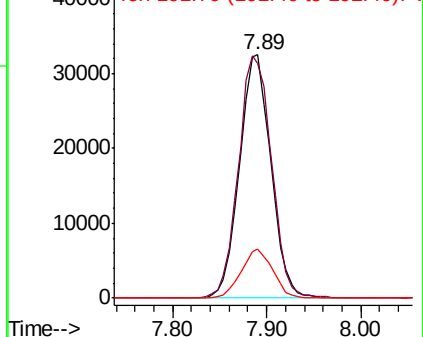


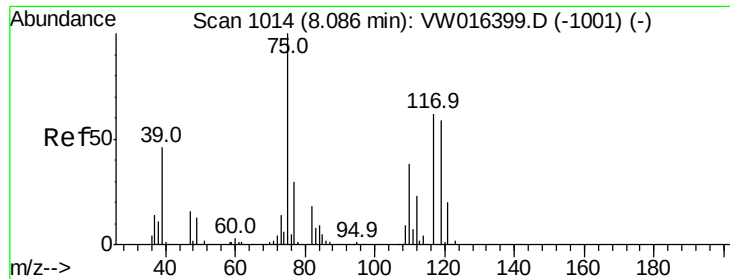
#35
 Dibromofluoromethane
 Concen: 49.951 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.01 min
 Lab File: VW016423.D
 Acq: 31 Aug 2020 20:12

Tgt Ion:113 Resp: 75425
 Ion Ratio Lower Upper
 113 100
 111 104.7 82.1 123.1
 192 20.0 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

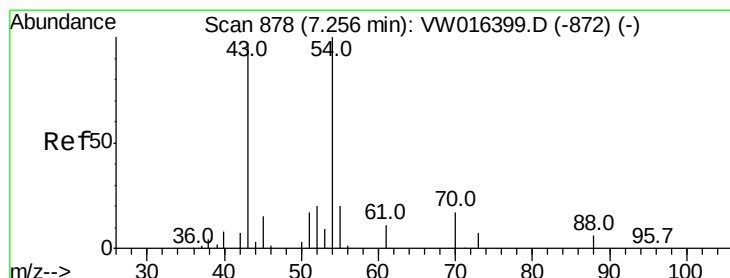
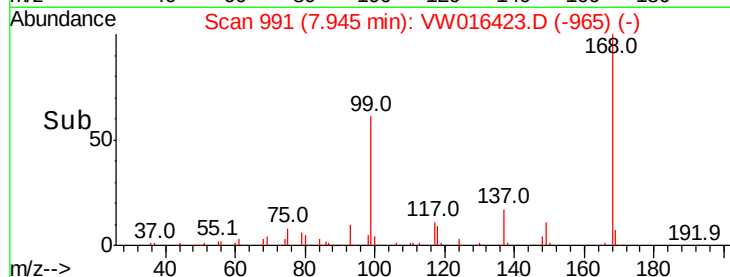
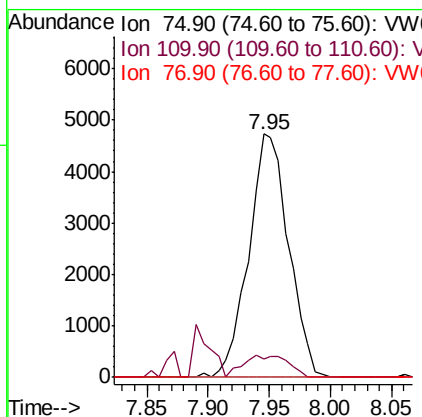
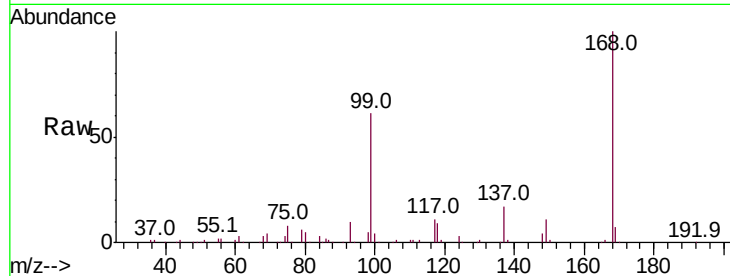




#36
 1,1-Dichloropropene
 Concen: 4.726 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.14 min
 Lab File: VW016423.D
 Acq: 31 Aug 2020 20:12

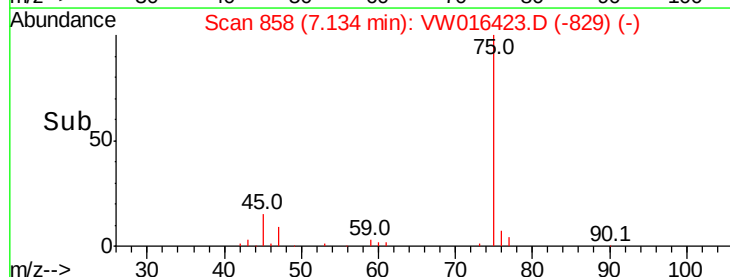
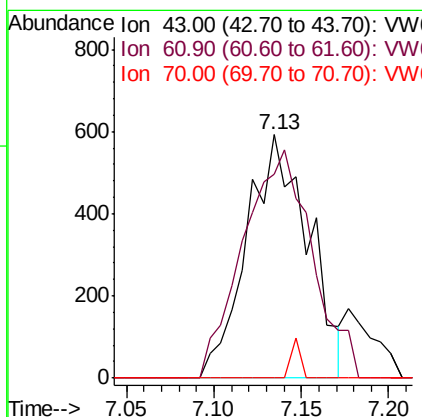
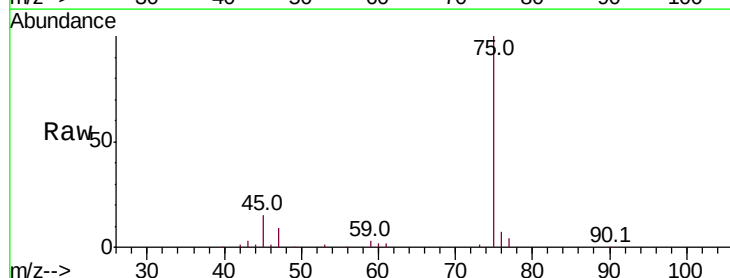
Instrument :
 MSVOA_W
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 LINDEN-BH-04-B

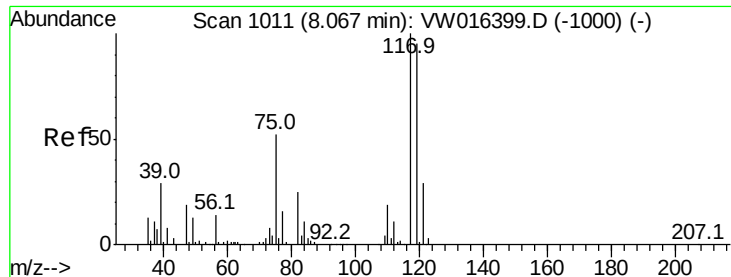
Tot Ion: 75 Resp: 10730
 Ion Ratio Lower Upper
 75 100
 110 10.1 18.6 56.0#
 77 0.0 25.1 37.7#



#37
 Ethyl Acetate
 Concen: 1.891 ug/l
 RT: 7.13 min Scan# 858
 Delta R.T. -0.12 min
 Lab File: VW016423.D
 Acq: 31 Aug 2020 20:12

Tgt Ion: 43 Resp: 1454
 Ion Ratio Lower Upper
 43 100
 61 105.0 11.5 17.3#
 70 2.5 10.7 16.1#





#38

Carbon Tetrachloride

Concen: 6.095 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW016423.D

Acq: 31 Aug 2020 20:12

Instrument :

MSVOA_W

ClientSampleId :

LINDEN-BH-04-B

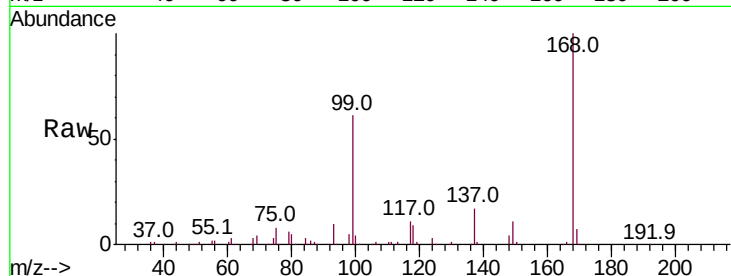
Tot Ion:117 Resp: 15163

Ion Ratio Lower Upper

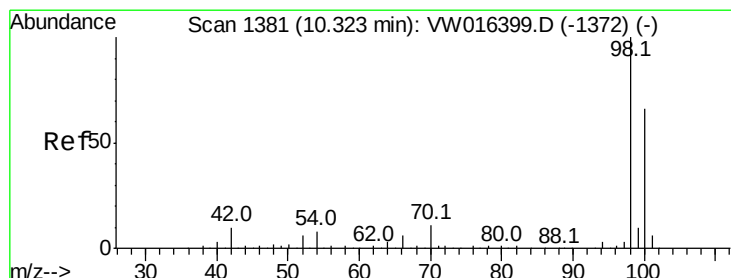
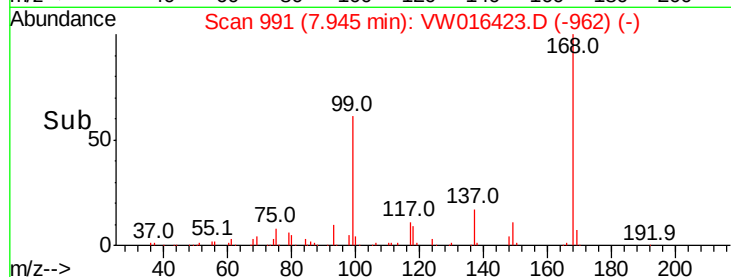
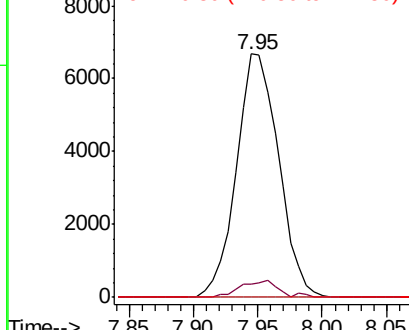
117 100

119 5.4 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: 50.552 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.01 min

Lab File: VW016423.D

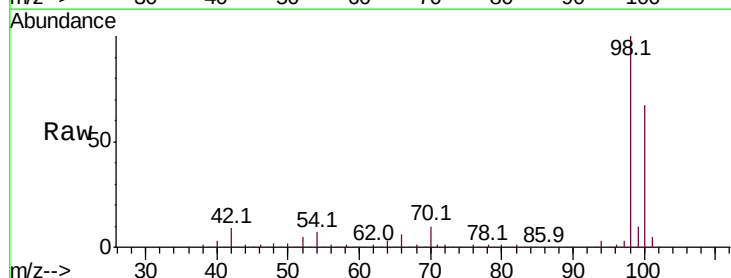
Acq: 31 Aug 2020 20:12

Tgt Ion: 98 Resp: 285837

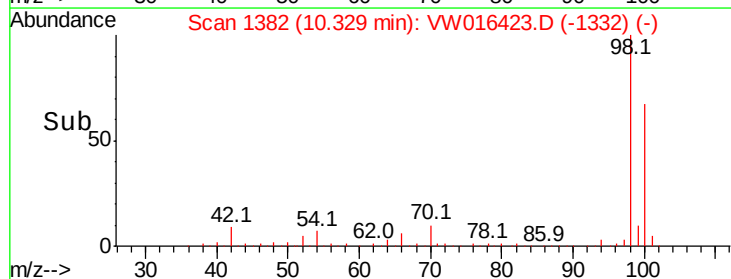
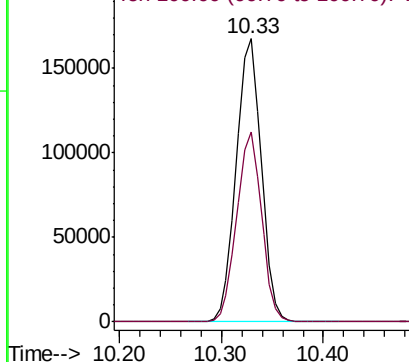
Ion Ratio Lower Upper

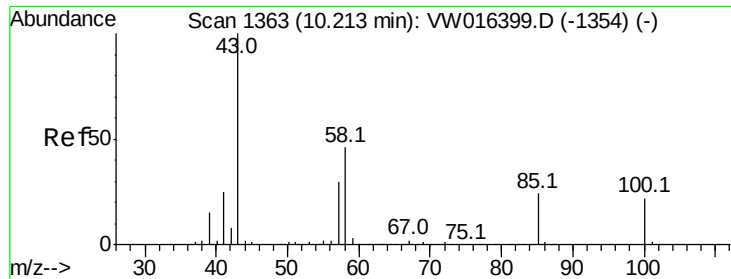
98 100

100 66.4 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: 2.114 ug/l

RT: 10.22 min Scan# 1364

Delta R.T. 0.01 min

Lab File: VW016423.D

Acq: 31 Aug 2020 20:12

Instrument :

MSVOA_W

ClientSampleId :

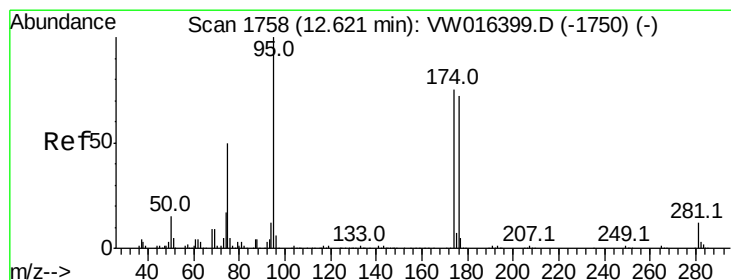
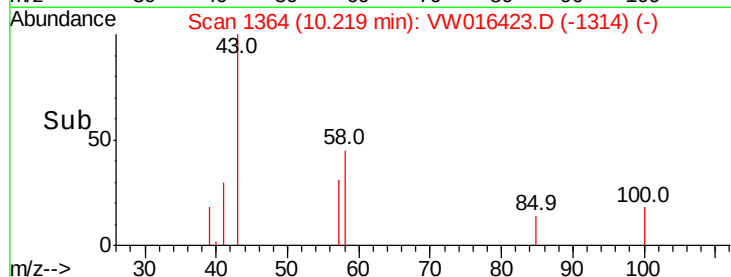
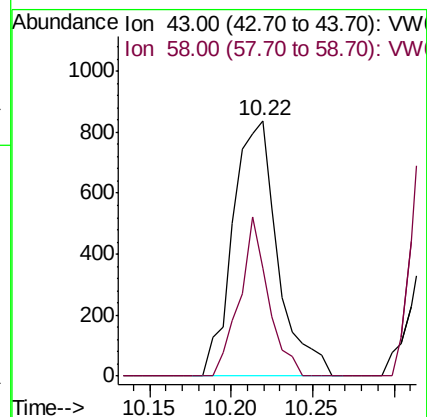
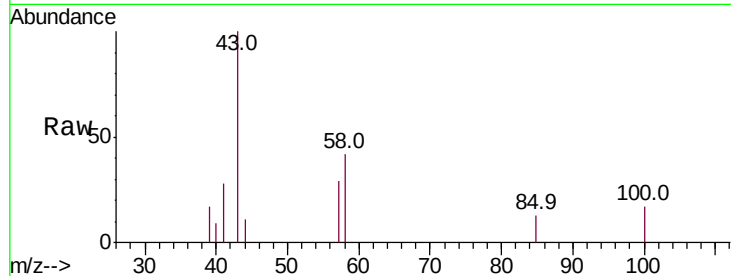
LINDEN-BH-04-B

Tot Ion: 43 Resp: 1604

Ion Ratio Lower Upper

43 100

58 39.8 35.4 53.0



#62

4-Bromofluorobenzene

Concen: 48.292 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW016423.D

Acq: 31 Aug 2020 20:12

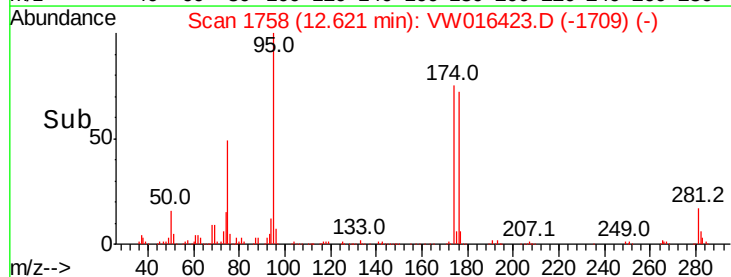
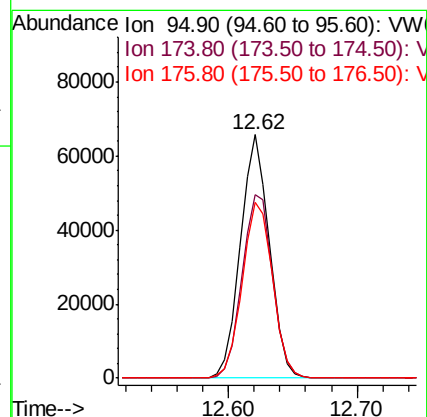
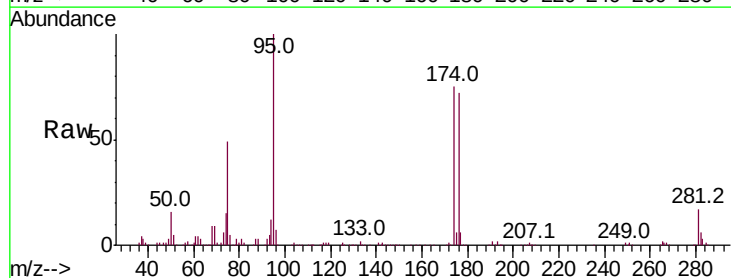
Tgt Ion: 95 Resp: 102394

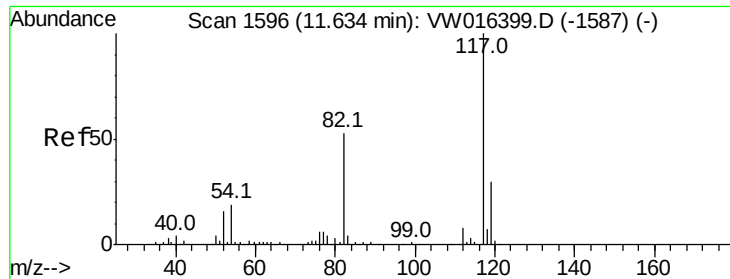
Ion Ratio Lower Upper

95 100

174 78.9 0.0 152.0

176 75.4 0.0 145.6

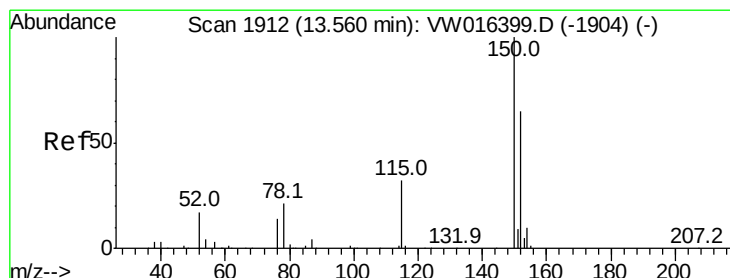
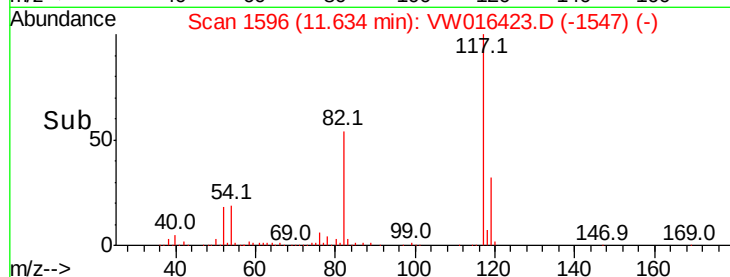
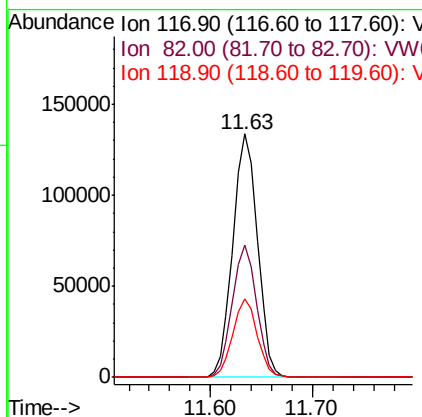
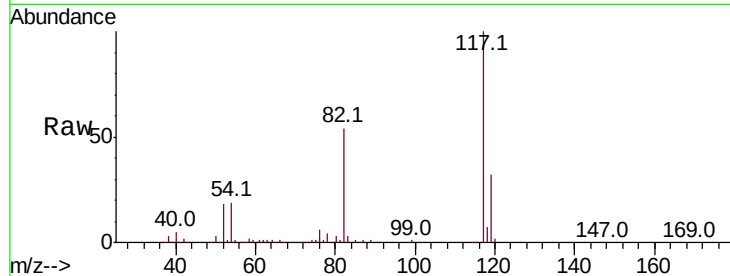




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW016423.D
Acq: 31 Aug 2020 20:12

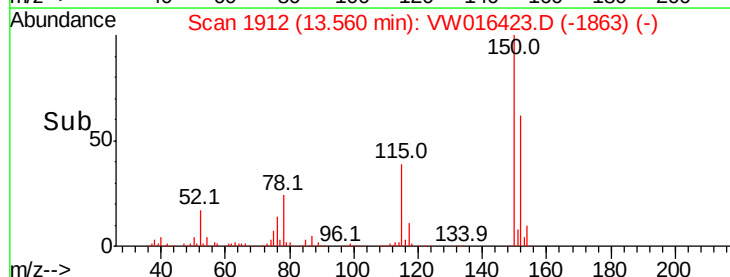
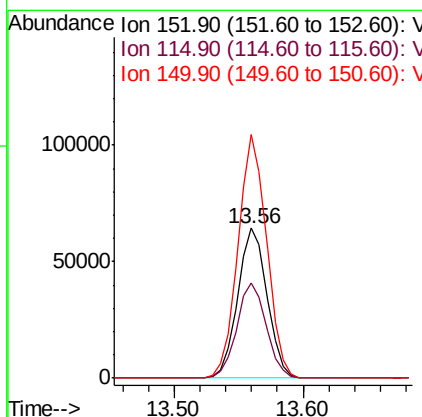
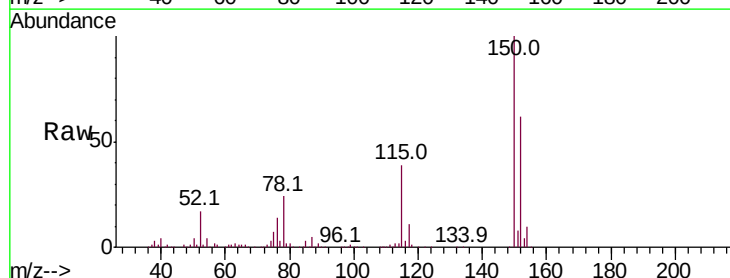
Instrument :
MSVOA_W
ClientSampleId :
LINDEN-BH-04-B

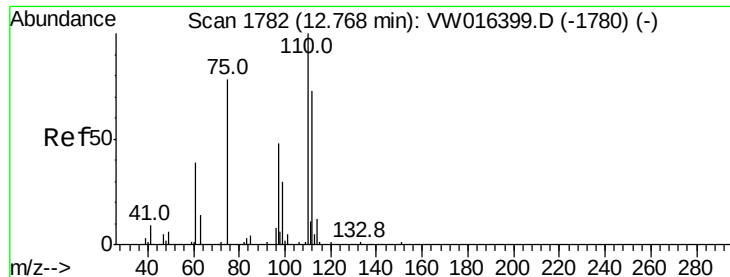
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.2	42.2	63.4
119	32.2	24.2	36.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW016423.D
Acq: 31 Aug 2020 20:12

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.3	30.9	92.5
150	158.6	0.0	351.0





#76

1,2,3-Trichloropropane

Concen: 57.838 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW016423.D

Acq: 31 Aug 2020 20:12

Instrument :

MSVOA_W

ClientSampleId :

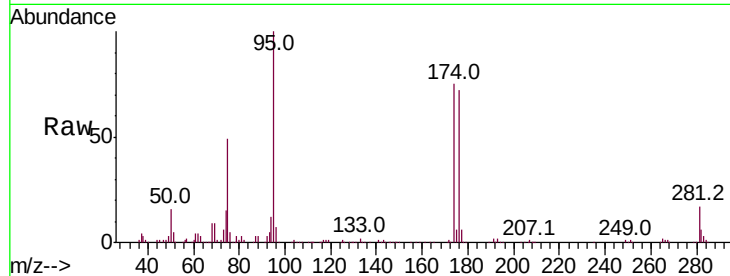
LINDEN-BH-04-B

Tot Ion: 75 Resp: 51719

Ion Ratio Lower Upper

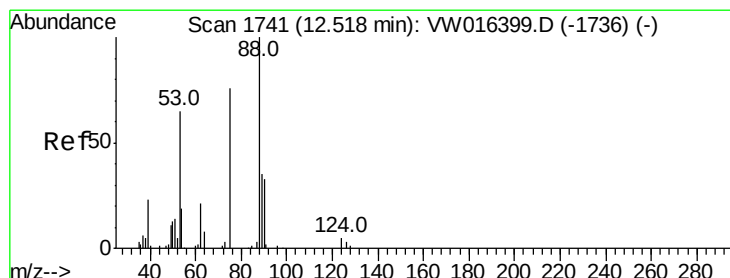
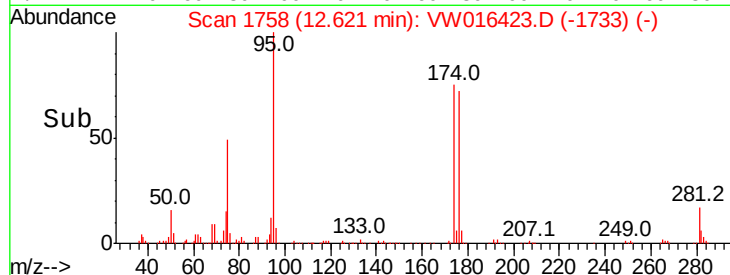
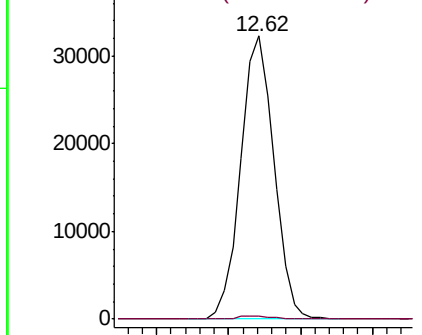
75 100

77 1.1 173.4 520.2#



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: 128.411 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW016423.D

Acq: 31 Aug 2020 20:12

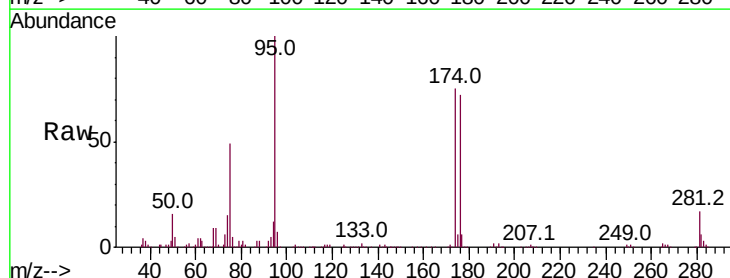
Tgt Ion: 75 Resp: 51719

Ion Ratio Lower Upper

75 100

53 0.0 75.2 112.8#

89 0.1 40.4 60.6#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

