

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW083120\
 Data File : VW016422.D
 Acq On : 31 Aug 2020 19:47
 Operator : SY/VA
 Sample : L3848-12
 Misc : 2.24G/5ML/MSVOA W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

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

Quant Time: Sep 01 03:00:34 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	135096	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	233766	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	212716	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	99189	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	75280	55.67	ug/l	0.00
Spiked Amount			Recovery	=	111.34%	
35) Dibromofluoromethane	7.88	113	73541	49.70	ug/l	0.00
Spiked Amount			Recovery	=	99.40%	
50) Toluene-d8	10.33	98	278946	50.34	ug/l	0.00
Spiked Amount			Recovery	=	100.68%	
62) 4-Bromofluorobenzene	12.62	95	98347	47.33	ug/l	0.00
Spiked Amount			Recovery	=	94.66%	

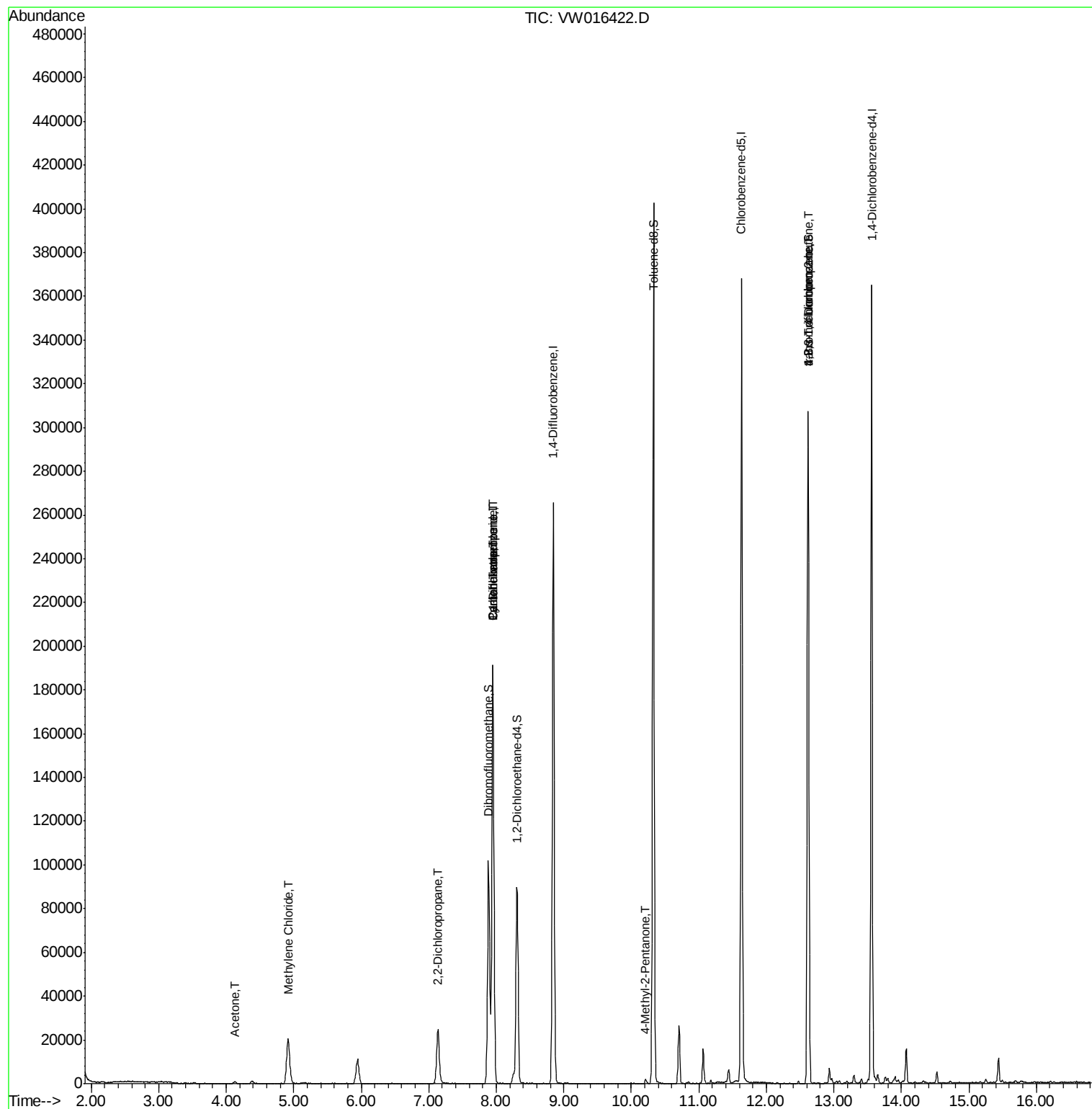
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.15	59	299	Below Cal	#	72
16) Acetone	4.13	43	1525	6.641	ug/l	99
20) Methylene Chloride	4.92	84	17636	7.331	ug/l	97
26) 2,2-Dichloropropane	7.14	77	1772	1.000	ug/l #	52
31) Cyclohexane	7.95	56	2820	1.342	ug/l #	21
36) 1,1-Dichloropropene	7.95	75	10409	4.679	ug/l #	49
38) Carbon Tetrachloride	7.95	117	14631	6.002	ug/l #	15
51) 4-Methyl-2-Pentanone	10.21	43	1387	1.865	ug/l	93
76) 1,2,3-Trichloropropane	12.62	75	49054	55.929	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	49054	124.171	ug/l #	11

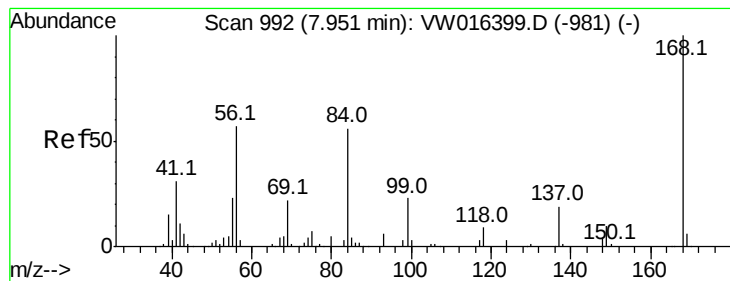
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW083120\
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Quant Time: Sep 01 03:00:34 2020
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: VW016422.D

Acq: 31 Aug 2020 19:47

Instrument :

MSVOA_W

ClientSampleId :

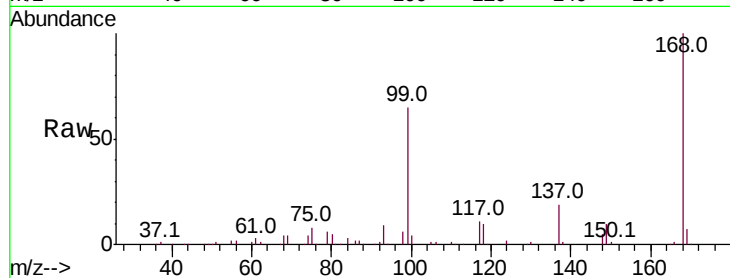
LINDEN-BH-04-A

Tot Ion:168 Resp: 135096

Ion Ratio Lower Upper

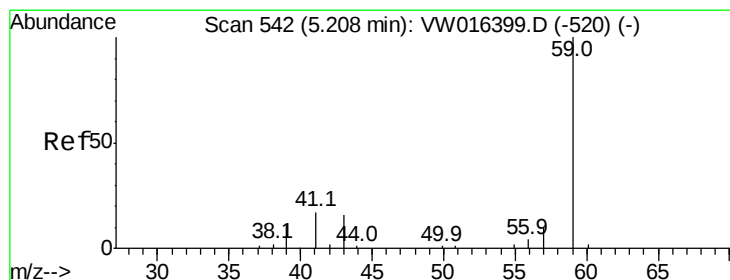
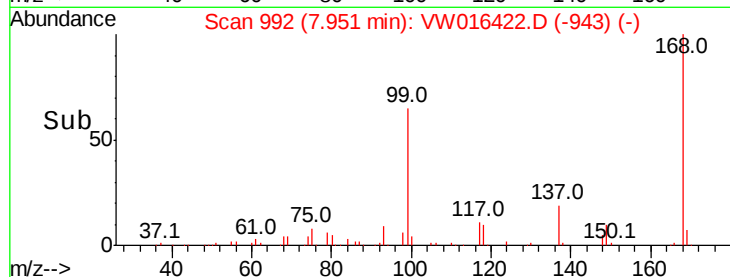
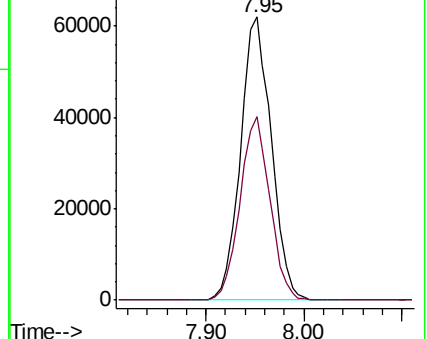
168 100

99 64.8 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: Below Cal

RT: 5.15 min Scan# 532

Delta R.T. -0.06 min

Lab File: VW016422.D

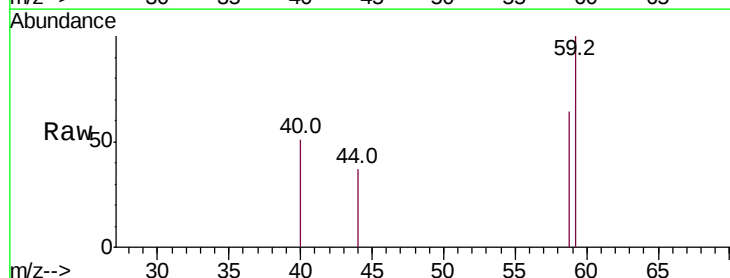
Acq: 31 Aug 2020 19:47

Tgt Ion: 59 Resp: 299

Ion Ratio Lower Upper

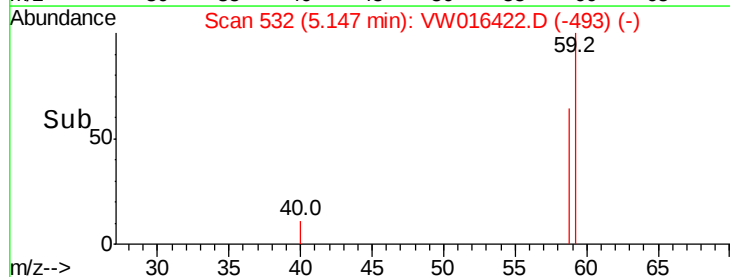
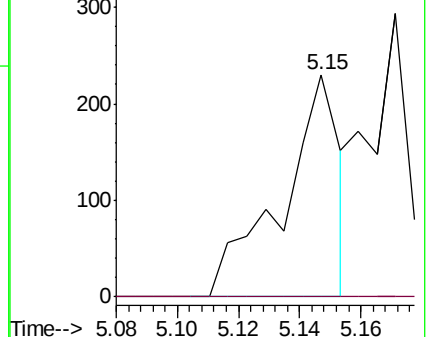
59 100

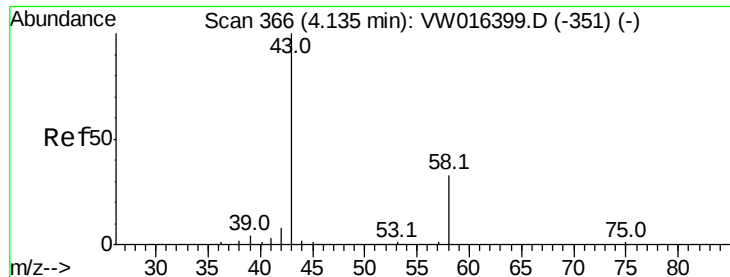
57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 6.641 ug/l

RT: 4.13 min Scan# 365

Delta R.T. -0.01 min

Lab File: VW016422.D

Acq: 31 Aug 2020 19:47

Instrument :

MSVOA_W

ClientSampleId :

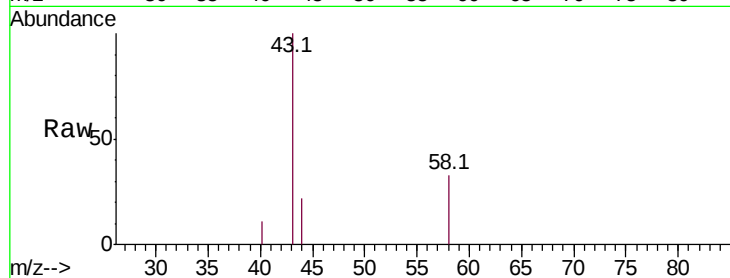
LINDEN-BH-04-A

Tot Ion: 43 Resp: 1525

Ion Ratio Lower Upper

43 100

58 32.8 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.13

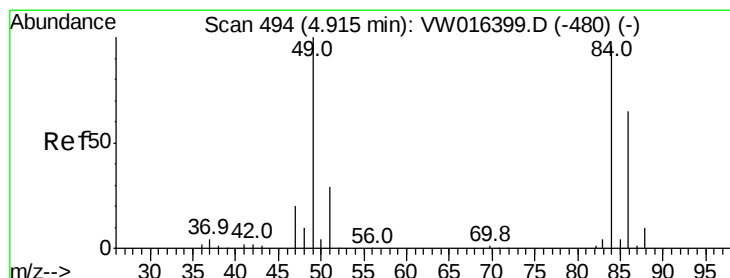
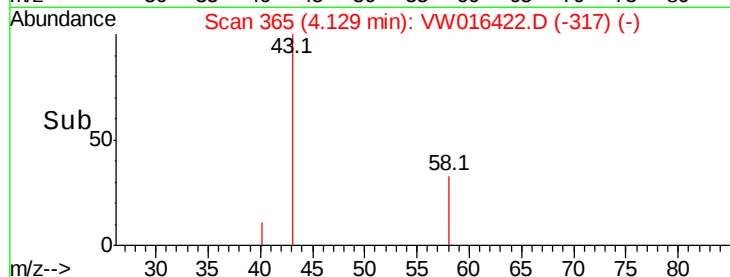
600

400

200

0

Time-->



#20

Methylene Chloride

Concen: 7.331 ug/l

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW016422.D

Acq: 31 Aug 2020 19:47

Tgt Ion: 84 Resp: 17636

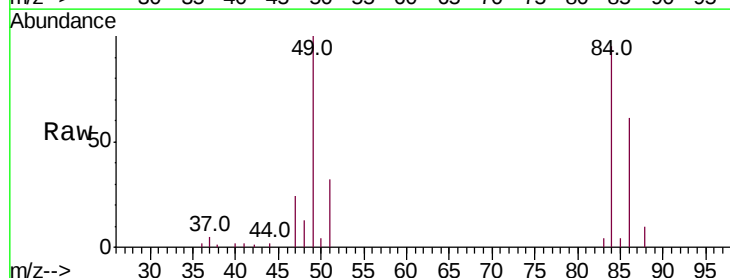
Ion Ratio Lower Upper

84 100

49 105.4 83.2 124.8

51 33.8 24.4 36.6

86 64.7 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

8000

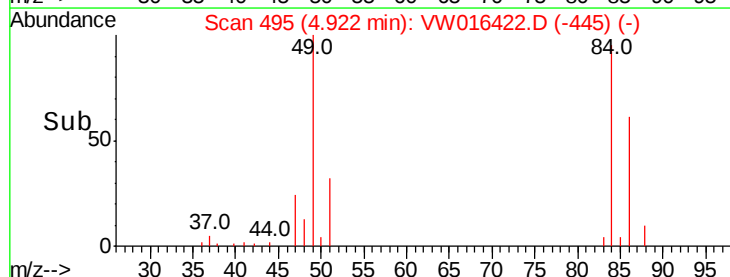
6000

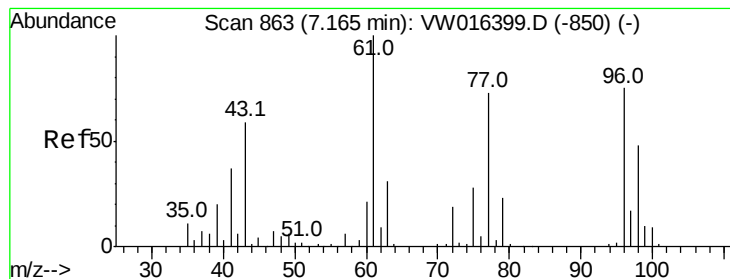
4000

2000

0

Time-->





#26

2,2-Dichloropropane

Concen: 1.000 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.02 min

Lab File: VW016422.D

Acq: 31 Aug 2020 19:47

Instrument :

MSVOA_W

ClientSampleId :

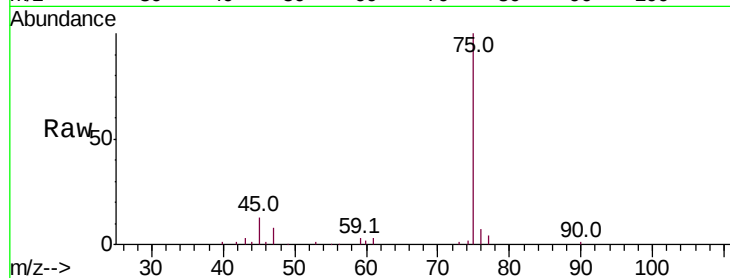
LINDEN-BH-04-A

Tot Ion: 77 Resp: 1772

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

800

600

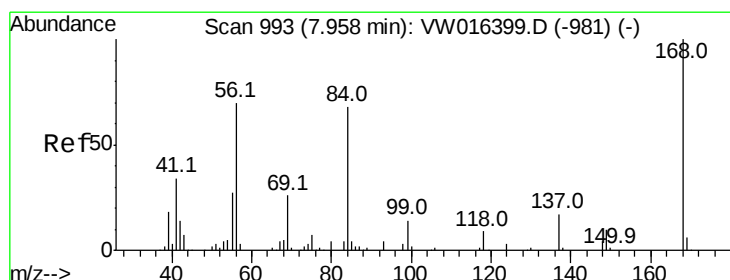
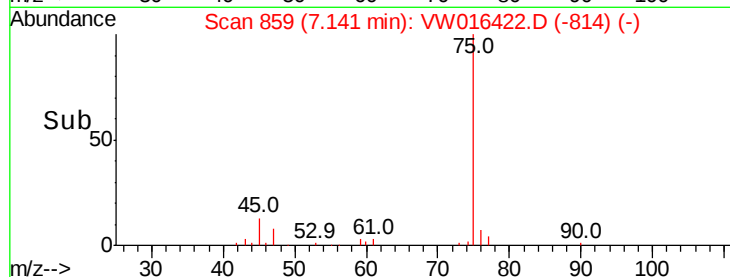
400

200

0

7.05 7.10 7.15 7.20

Time-->



#31

Cyclohexane

Concen: 1.342 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW016422.D

Acq: 31 Aug 2020 19:47

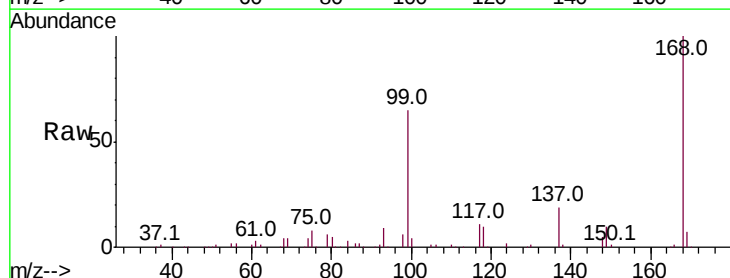
Tgt Ion: 56 Resp: 2820

Ion Ratio Lower Upper

56 100

69 172.8 30.0 45.0#

84 118.9 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

3000

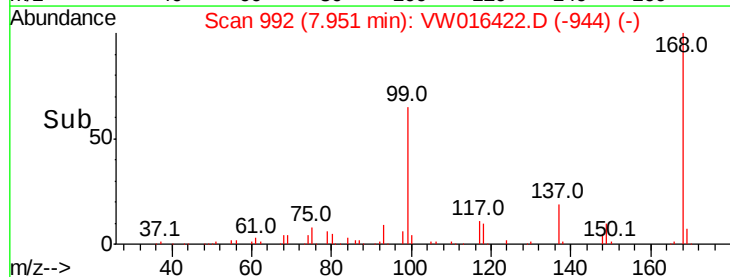
2000

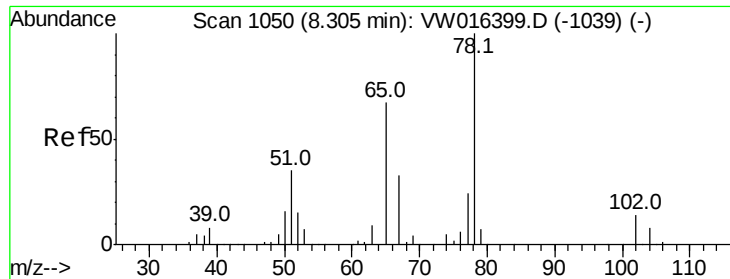
1000

0

7.90 7.95 8.00

Time-->

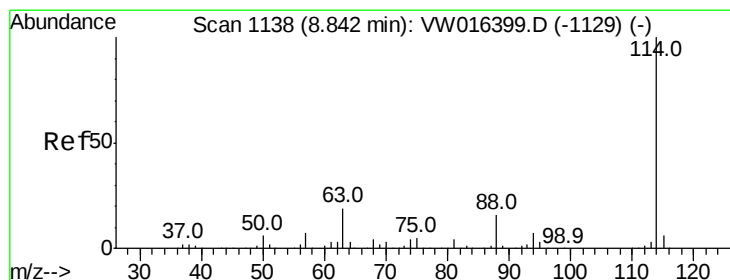
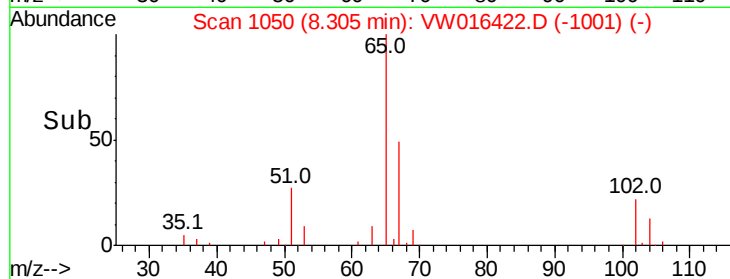
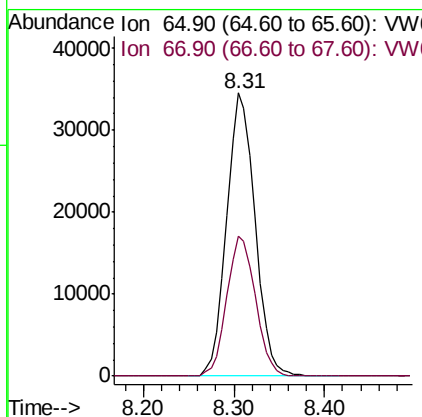
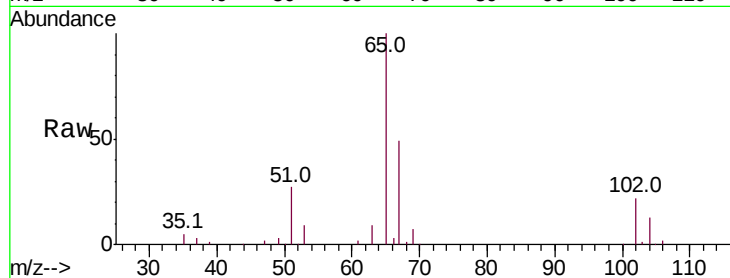




#33
 1,2-Dichloroethane-d4
 Concen: 55.665 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW016422.D
 Acq: 31 Aug 2020 19:47

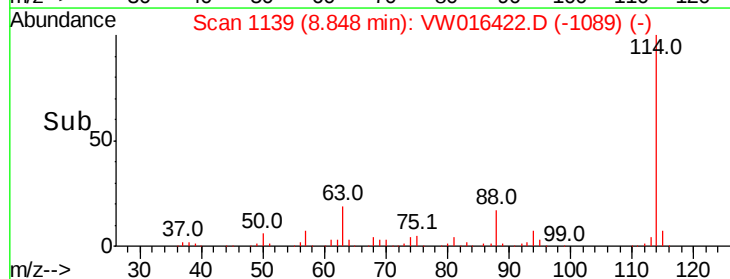
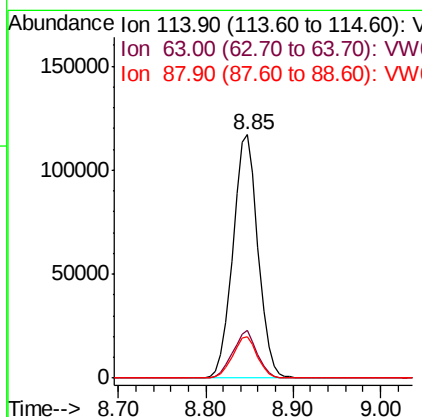
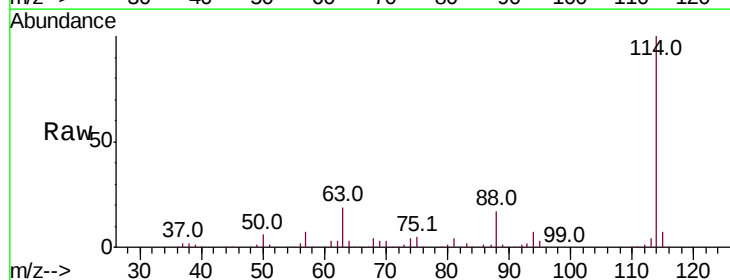
Instrument :
 MSVOA_W
 ClientSampleId :
 LINDEN-BH-04-A

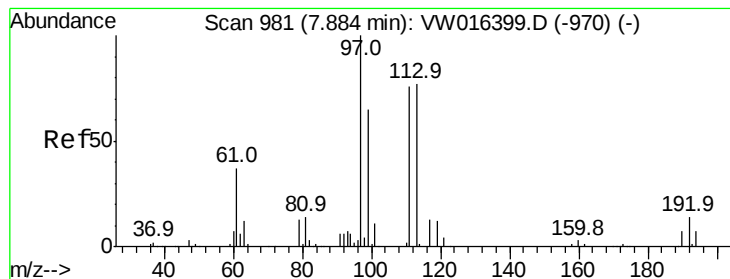
Tot Ion: 65 Resp: 75280
 Ion Ratio Lower Upper
 65 100
 67 50.0 0.0 100.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.01 min
 Lab File: VW016422.D
 Acq: 31 Aug 2020 19:47

Tgt Ion: 114 Resp: 233766
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 37.8
 88 17.1 0.0 31.2





#35

Dibromofluoromethane

Concen: 49.701 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW016422.D

Acq: 31 Aug 2020 19:47

Instrument :

MSVOA_W

ClientSampleId :

LINDEN-BH-04-A

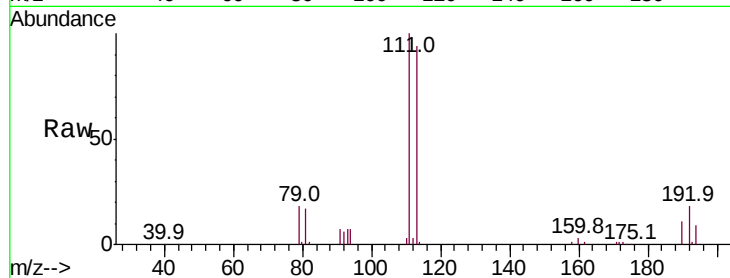
Tot Ion:113 Resp: 73541

Ion Ratio Lower Upper

113 100

111 103.3 82.1 123.1

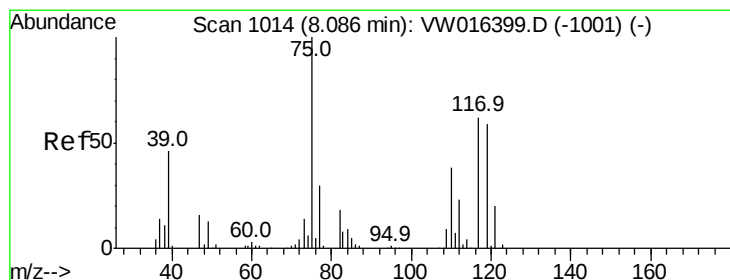
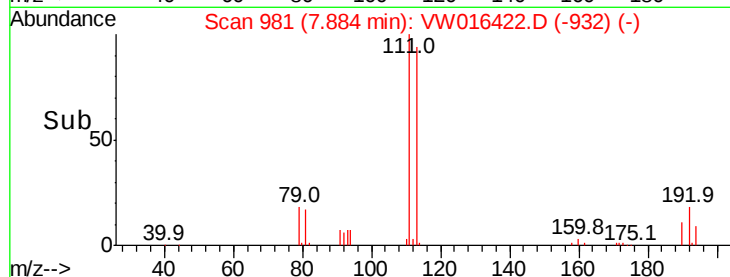
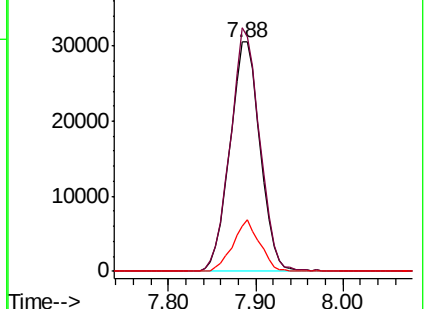
192 19.7 15.5 23.3



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: 4.679 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW016422.D

Acq: 31 Aug 2020 19:47

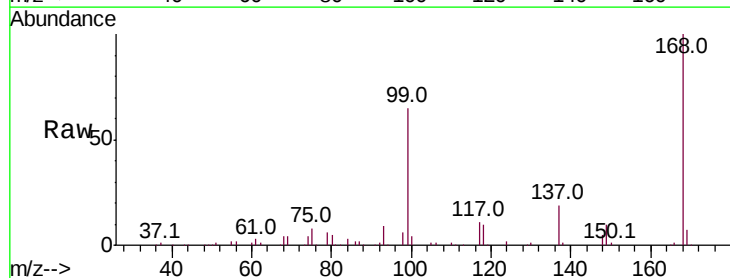
Tgt Ion: 75 Resp: 10409

Ion Ratio Lower Upper

75 100

110 9.3 18.6 56.0#

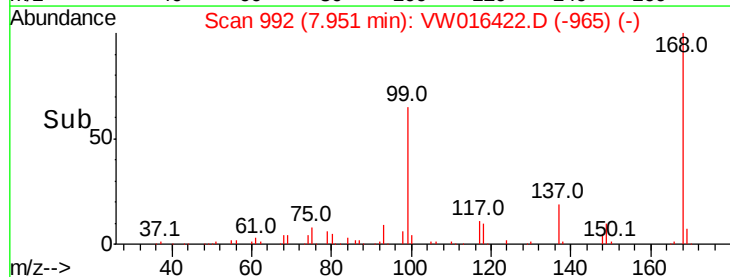
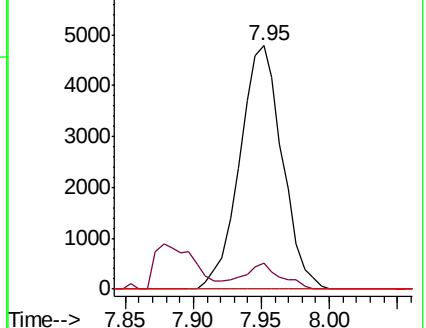
77 0.0 25.1 37.7#

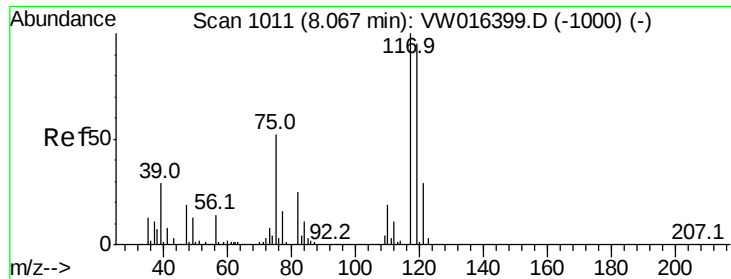


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

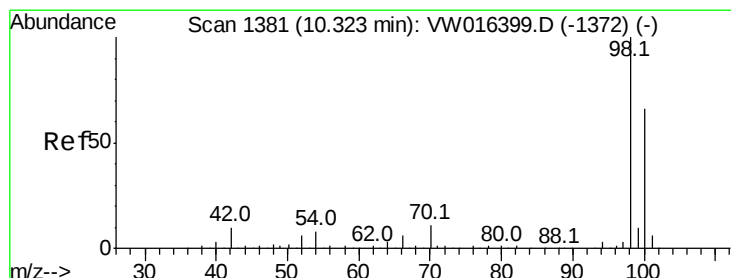
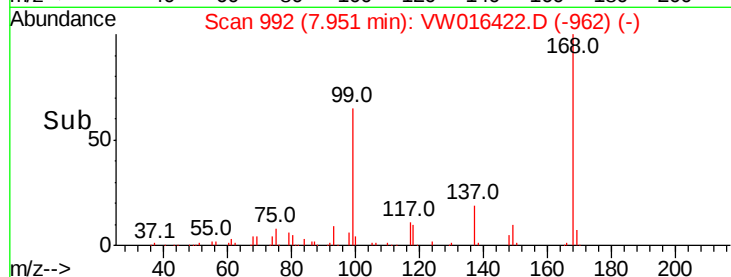
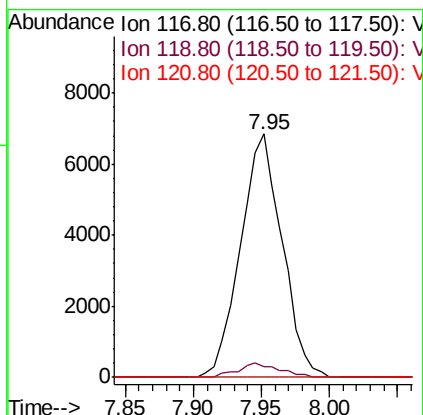
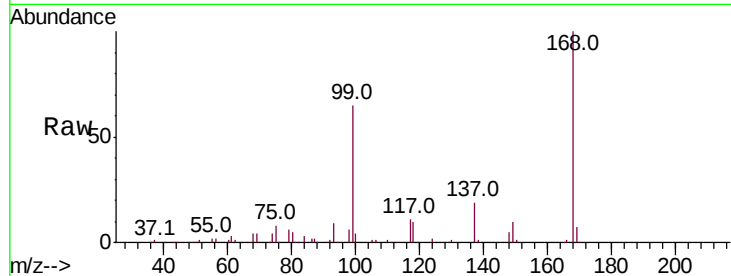




#38
Carbon Tetrachloride
Concen: 6.002 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW016422.D
Acq: 31 Aug 2020 19:47

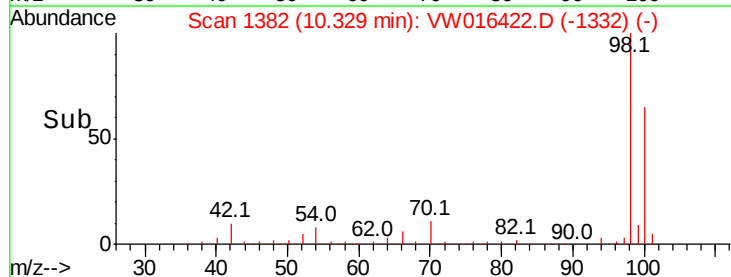
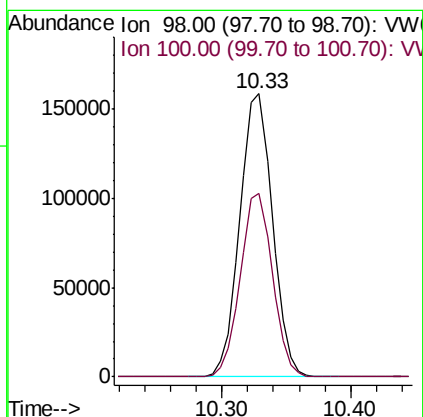
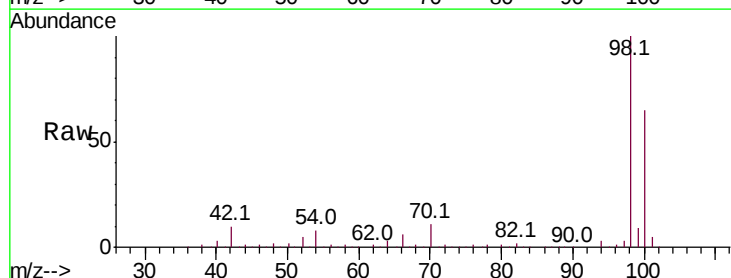
Instrument :
MSVOA_W
ClientSampleId :
LINDEN-BH-04-A

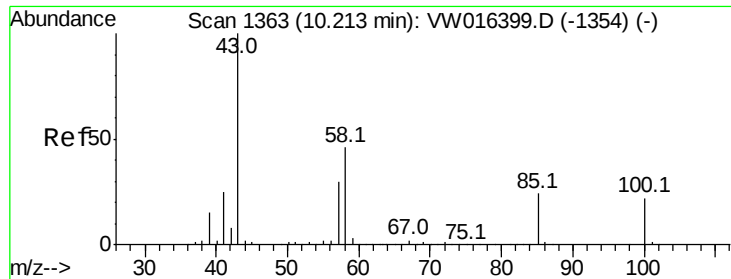
Tot Ion:117 Resp: 14631
Ion Ratio Lower Upper
117 100
119 4.1 76.3 114.5#
121 0.0 23.0 34.6#



#50
Toluene-d8
Concen: 50.343 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. 0.01 min
Lab File: VW016422.D
Acq: 31 Aug 2020 19:47

Tgt Ion: 98 Resp: 278946
Ion Ratio Lower Upper
98 100
100 64.2 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 1.865 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.01 min

Lab File: VW016422.D

Acq: 31 Aug 2020 19:47

Instrument :

MSVOA_W

ClientSampleId :

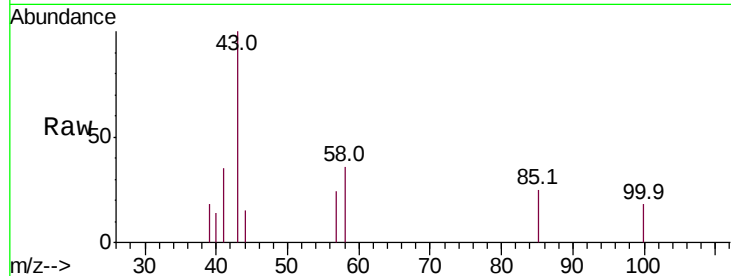
LINDEN-BH-04-A

Tot Ion: 43 Resp: 1387

Ion Ratio Lower Upper

43 100

58 39.9 35.4 53.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.21

800

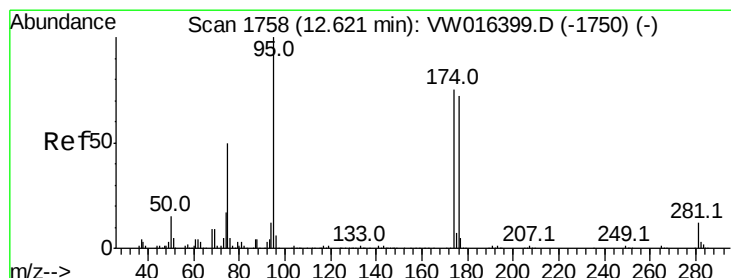
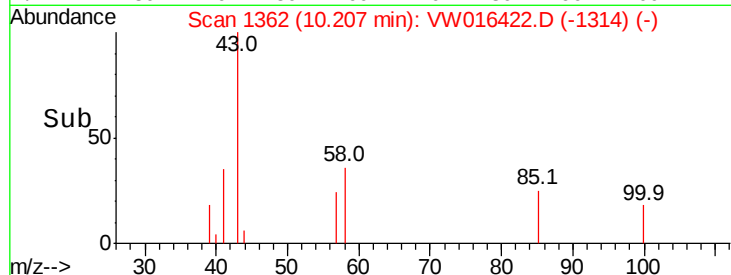
600

400

200

0

Time-->



#62

4-Bromofluorobenzene

Concen: 47.333 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW016422.D

Acq: 31 Aug 2020 19:47

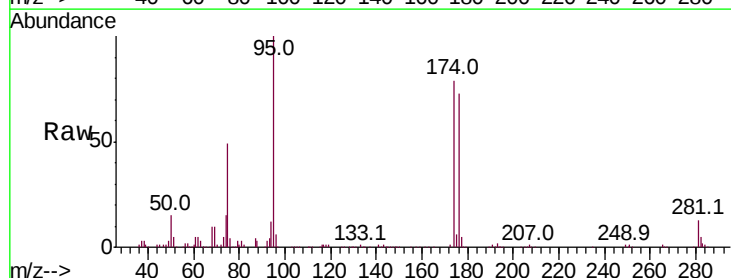
Tgt Ion: 95 Resp: 98347

Ion Ratio Lower Upper

95 100

174 76.1 0.0 152.0

176 74.6 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

80000

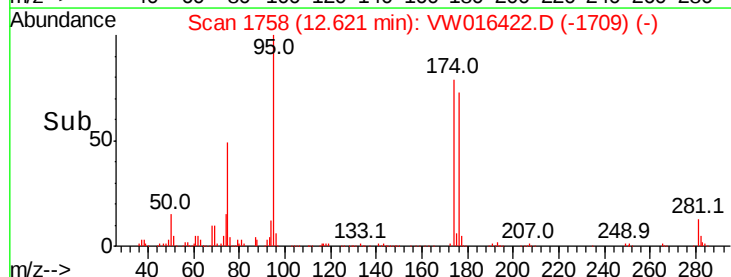
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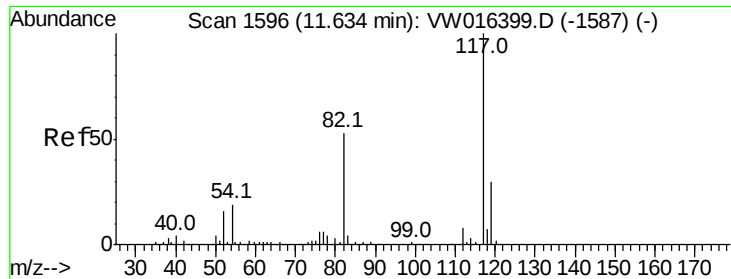
40000

20000

0

Time-->

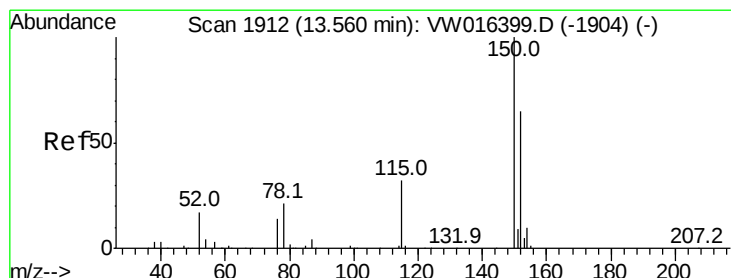
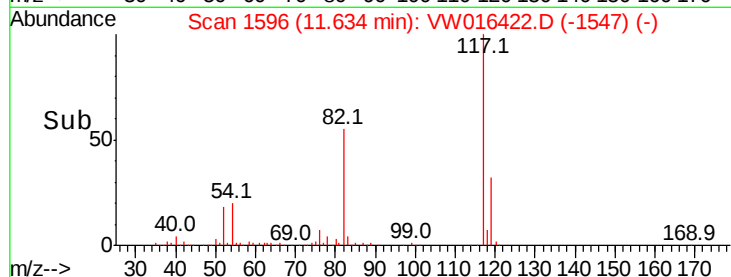
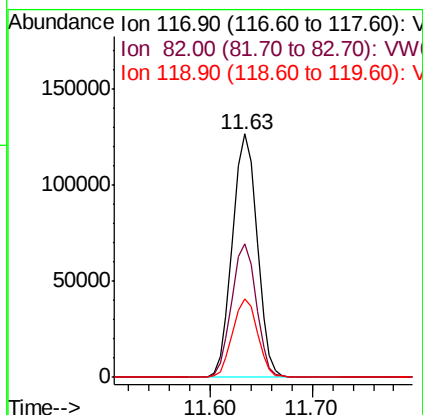
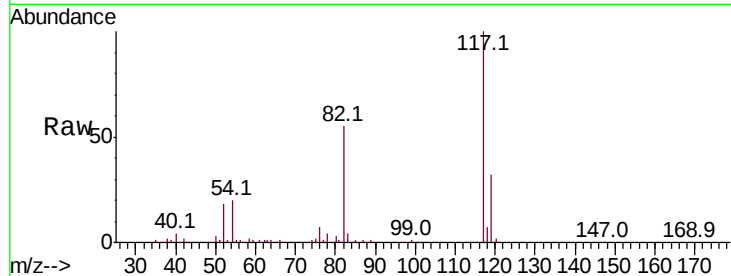




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW016422.D
Acq: 31 Aug 2020 19:47

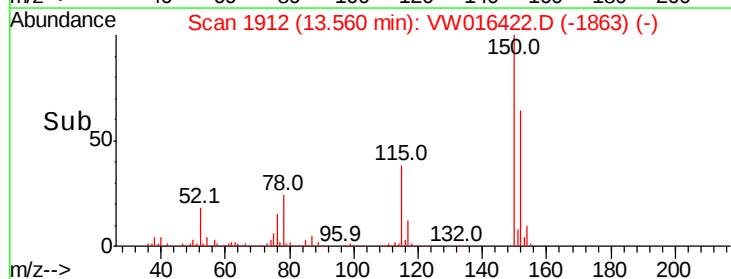
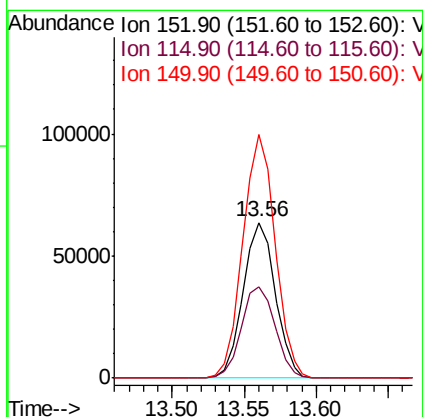
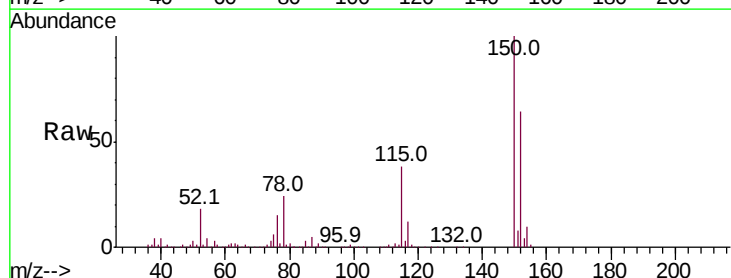
Instrument :
MSVOA_W
ClientSampleId :
LINDEN-BH-04-A

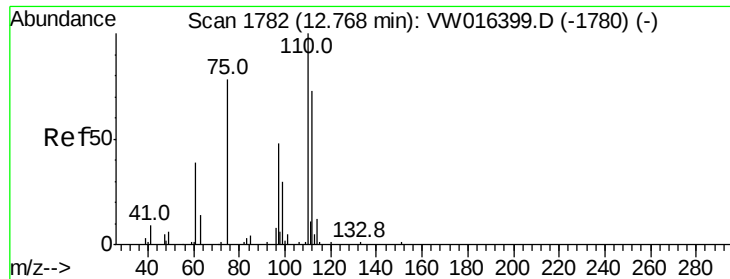
Tot Ion:117 Resp: 212716
Ion Ratio Lower Upper
117 100
82 55.0 42.2 63.4
119 32.0 24.2 36.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW016422.D
Acq: 31 Aug 2020 19:47

Tgt Ion:152 Resp: 99189
Ion Ratio Lower Upper
152 100
115 61.2 30.9 92.5
150 156.4 0.0 351.0





#76

1,2,3-Trichloropropane

Concen: 55.929 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW016422.D

Acq: 31 Aug 2020 19:47

Instrument :

MSVOA_W

ClientSampleId :

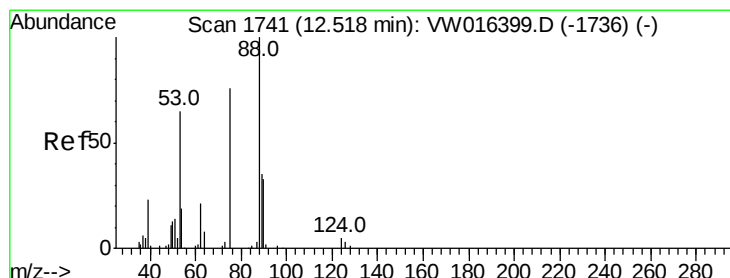
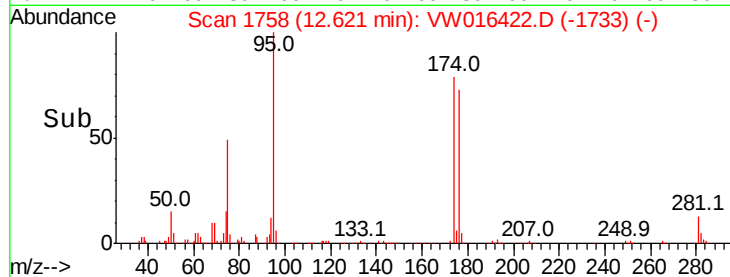
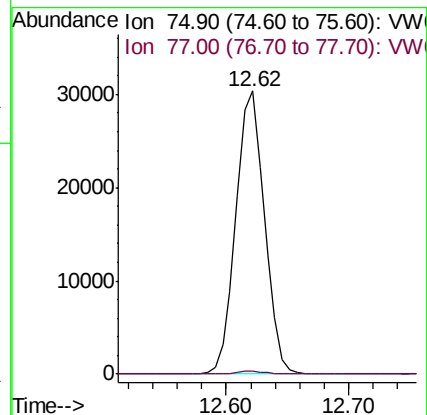
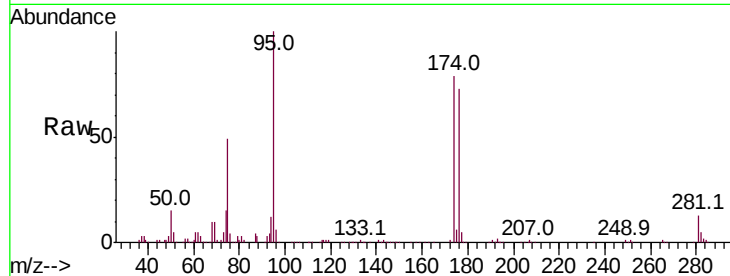
LINDEN-BH-04-A

Tot Ion: 75 Resp: 49054

Ion Ratio Lower Upper

75 100

77 1.1 173.4 520.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 124.171 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW016422.D

Acq: 31 Aug 2020 19:47

Tgt Ion: 75 Resp: 49054

Ion Ratio Lower Upper

75 100

53 0.0 75.2 112.8#

89 0.4 40.4 60.6#

