

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW083120\
 Data File : VW016427.D
 Acq On : 31 Aug 2020 21:53
 Operator : SY/VA
 Sample : L3848-22
 Misc : 4.79G/5ML/MSVOA W/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 LINDEN-BH-01-B

Quant Time: Sep 01 03:01:16 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	141425	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	243410	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	219276	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	101565	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	79469	56.13	ug/l	0.00
Spiked Amount			Recovery	=	112.26%	
35) Dibromofluoromethane	7.89	113	79895	51.86	ug/l	0.00
Spiked Amount			Recovery	=	103.72%	
50) Toluene-d8	10.32	98	293279	50.83	ug/l	0.00
Spiked Amount			Recovery	=	101.66%	
62) 4-Bromofluorobenzene	12.62	95	105780	48.89	ug/l	0.00
Spiked Amount			Recovery	=	97.78%	

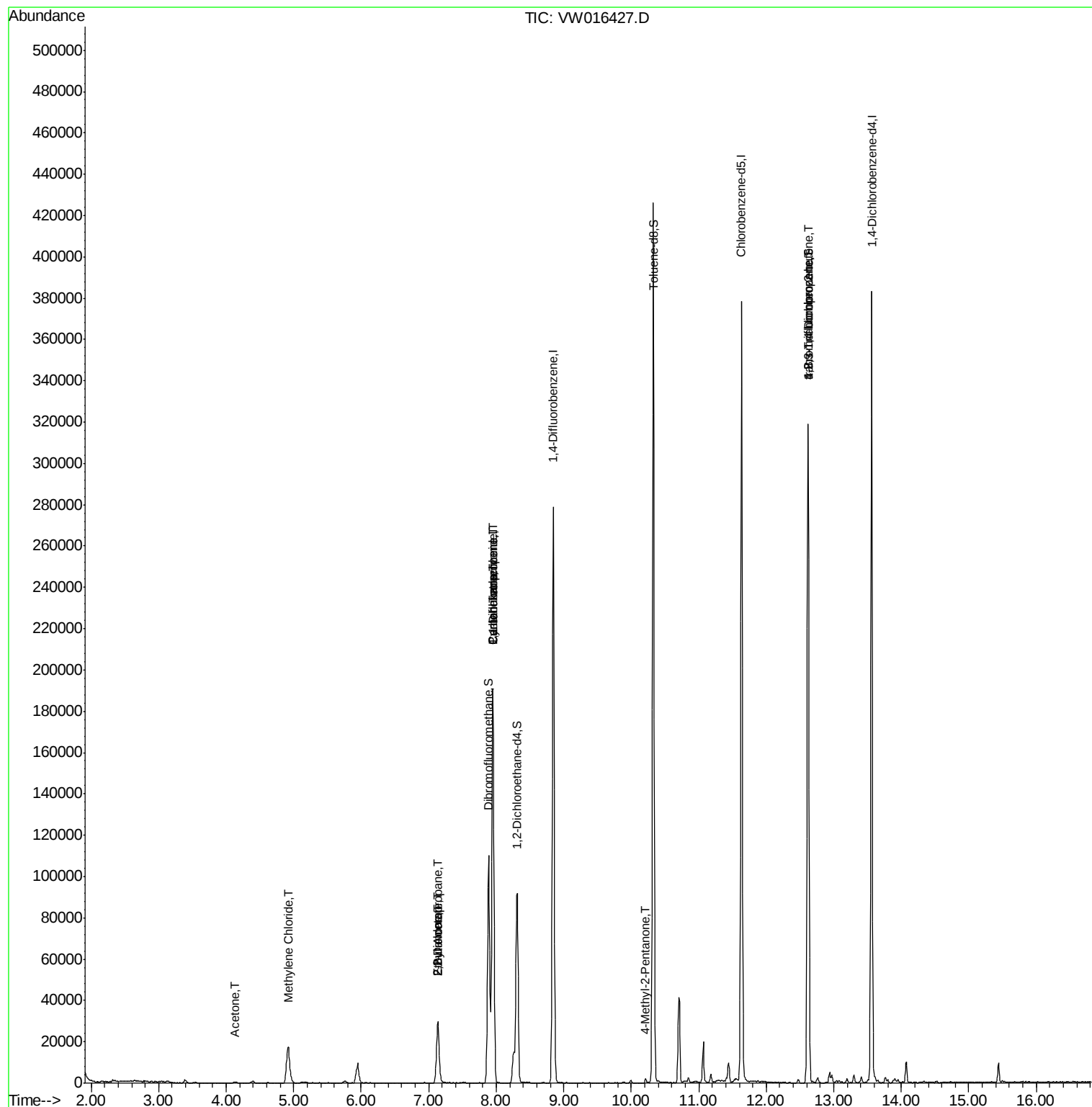
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.13	59	705	Below Cal	#	72
16) Acetone	4.13	43	1380	5.740	ug/l #	64
20) Methylene Chloride	4.92	84	15256	4.943	ug/l	95
25) 2-Butanone	7.13	43	1485	4.553	ug/l #	79
26) 2,2-Dichloropropane	7.13	77	2075	1.119	ug/l #	52
31) Cyclohexane	7.95	56	2650	1.204	ug/l #	25
36) 1,1-Dichloropropene	7.95	75	10628	4.588	ug/l #	49
37) Ethyl Acetate	7.13	43	1485	1.892	ug/l #	1
38) Carbon Tetrachloride	7.95	117	15018	5.917	ug/l #	16
51) 4-Methyl-2-Pentanone	10.21	43	1368	1.767	ug/l	89
76) 1,2,3-Trichloropropane	12.62	75	52896	58.898	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	52896	130.764	ug/l #	11

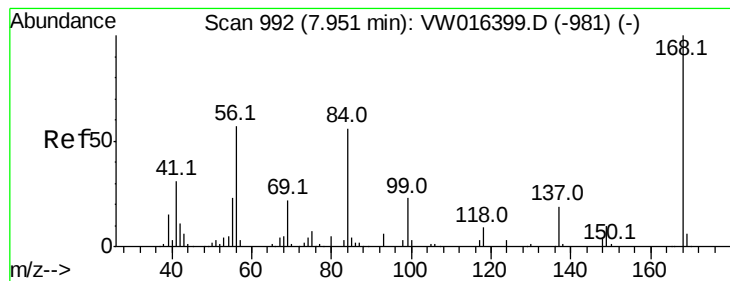
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW083120\
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Quant Time: Sep 01 03:01:16 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: VW016427.D

Acq: 31 Aug 2020 21:53

Instrument :

MSVOA_W

ClientSampleId :

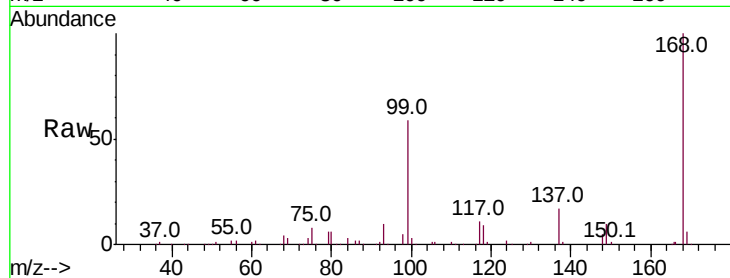
LINDEN-BH-01-B

Tot Ion:168 Resp: 141425

Ion Ratio Lower Upper

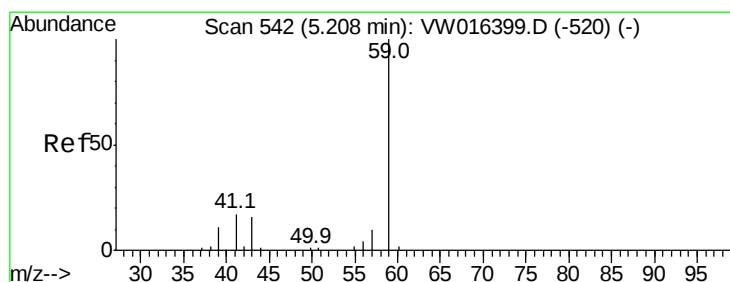
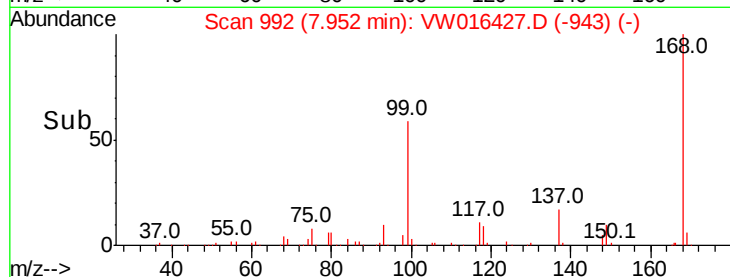
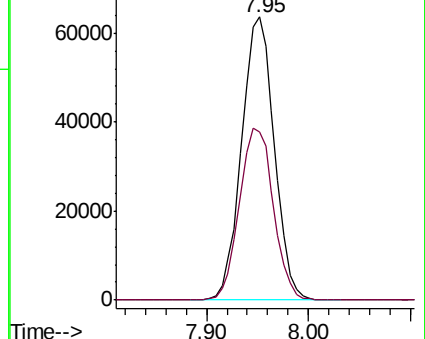
168 100

99 59.5 49.0 73.4



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.13 min Scan# 529

Delta R.T. -0.08 min

Lab File: VW016427.D

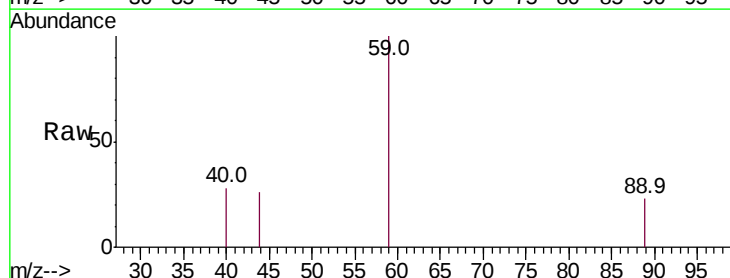
Acq: 31 Aug 2020 21:53

Tgt Ion: 59 Resp: 705

Ion Ratio Lower Upper

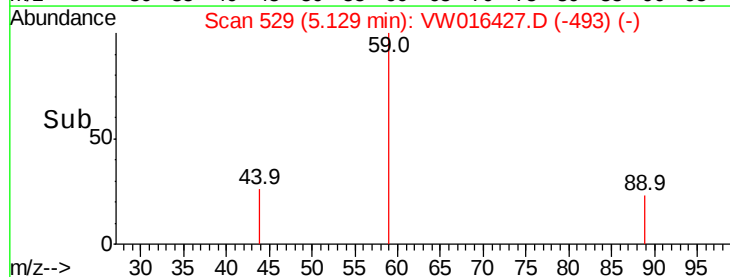
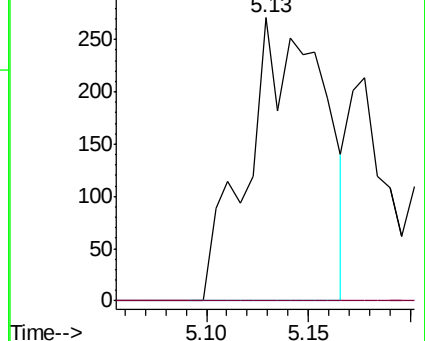
59 100

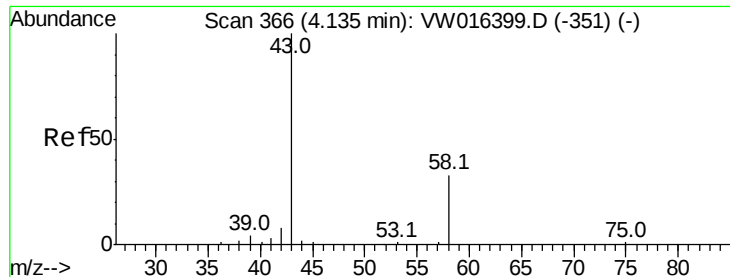
57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 5.740 ug/l

RT: 4.13 min Scan# 365

Delta R.T. -0.01 min

Lab File: VW016427.D

Acq: 31 Aug 2020 21:53

Instrument :

MSVOA_W

ClientSampleId :

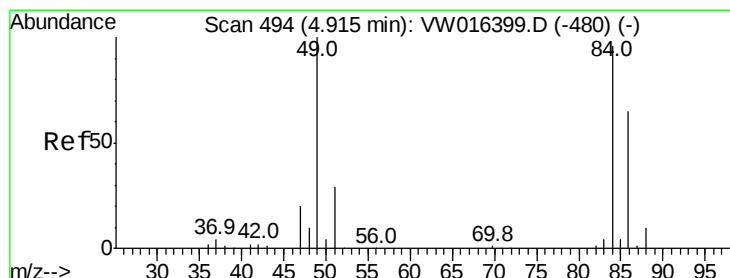
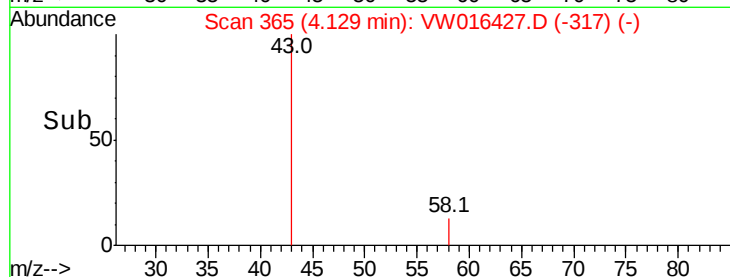
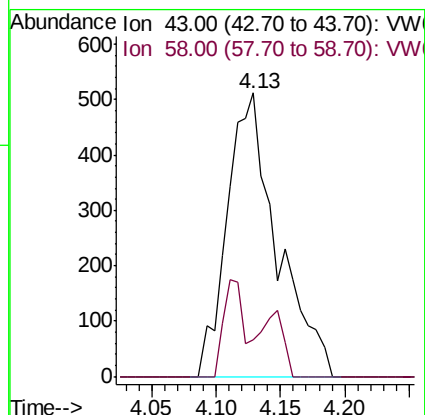
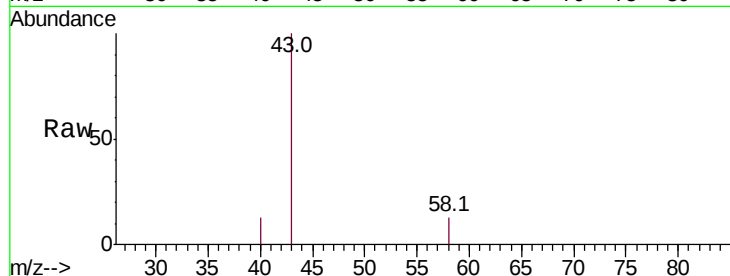
LINDEN-BH-01-B

Tot Ion: 43 Resp: 1380

Ion Ratio Lower Upper

43 100

58 12.7 26.6 39.8#



#20

Methylene Chloride

Concen: 4.943 ug/l

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW016427.D

Acq: 31 Aug 2020 21:53

Tgt Ion: 84 Resp: 15256

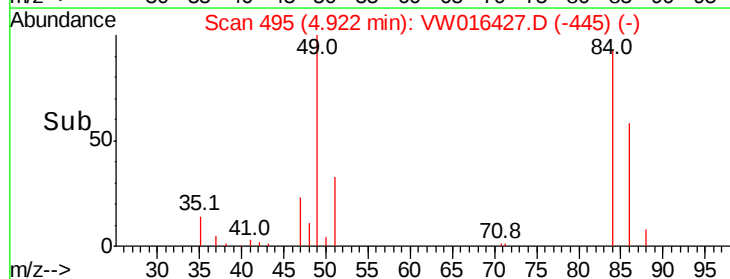
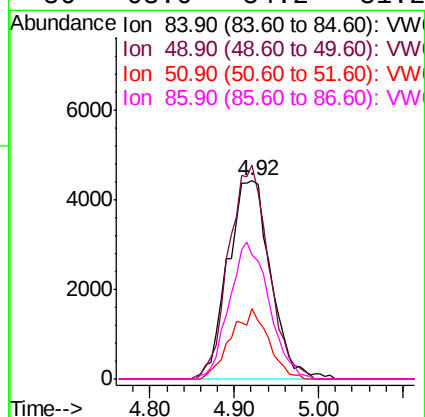
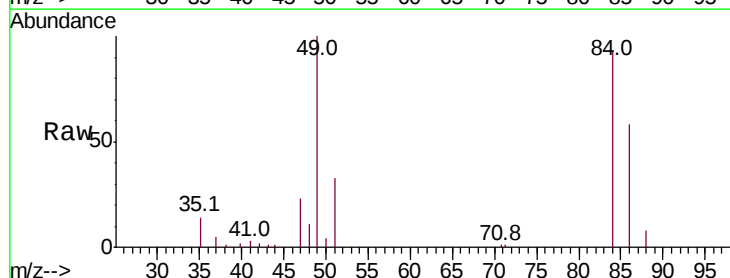
Ion Ratio Lower Upper

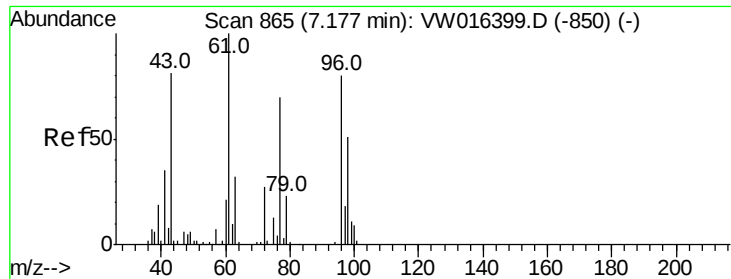
84 100

49 107.7 83.2 124.8

51 35.7 24.4 36.6

86 63.0 54.2 81.2





#25

2-Butanone

Concen: 4.553 ug/l

RT: 7.13 min Scan# 858

Delta R.T. -0.04 min

Lab File: VW016427.D

Acq: 31 Aug 2020 21:53

Instrument :

MSVOA_W

ClientSampleId :

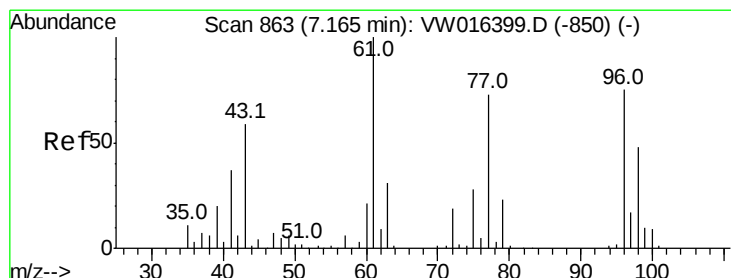
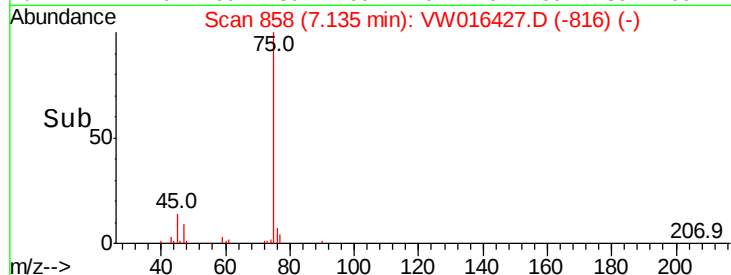
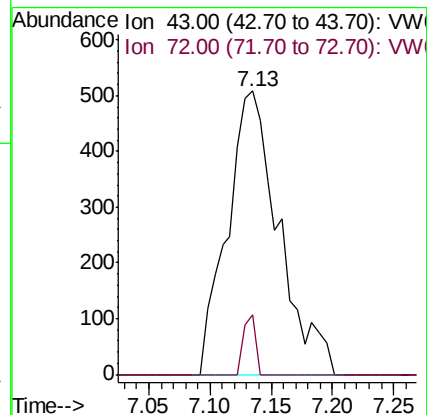
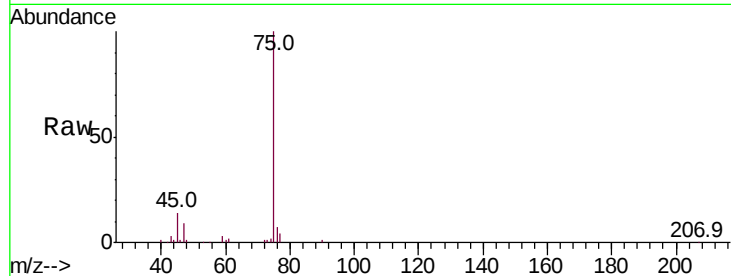
LINDEN-BH-01-B

Tot Ion: 43 Resp: 1485

Ion Ratio Lower Upper

43 100

72 21.3 26.7 40.1#



#26

2,2-Dichloropropane

Concen: 1.119 ug/l

RT: 7.13 min Scan# 857

Delta R.T. -0.04 min

Lab File: VW016427.D

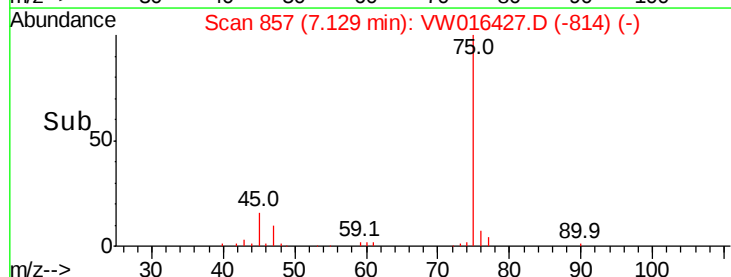
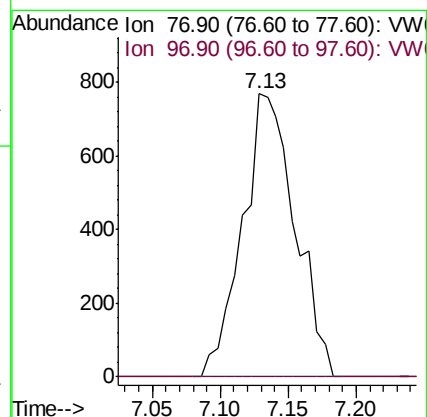
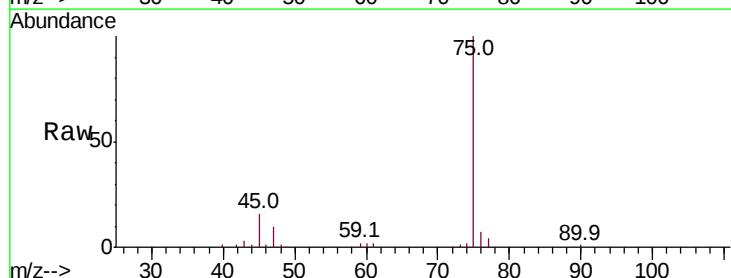
Acq: 31 Aug 2020 21:53

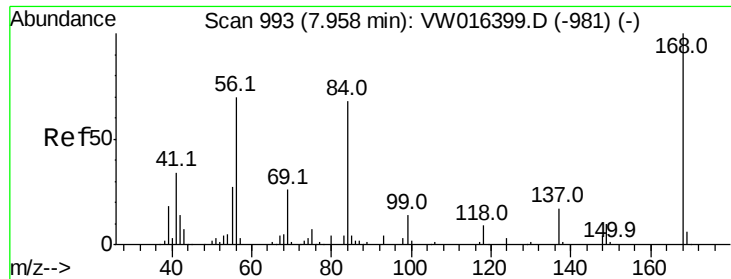
Tgt Ion: 77 Resp: 2075

Ion Ratio Lower Upper

77 100

97 0.0 11.7 35.0#

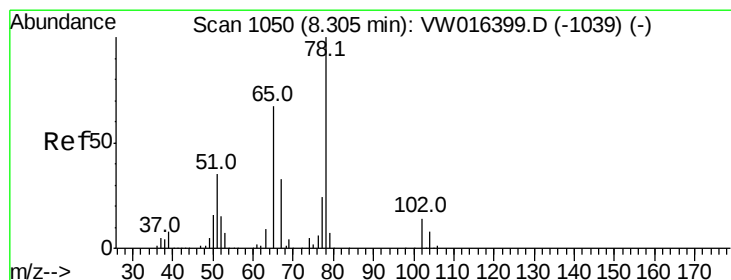
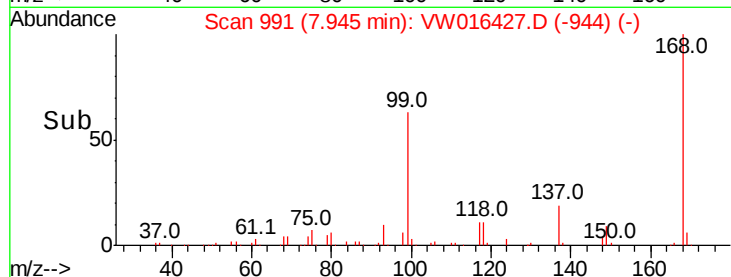
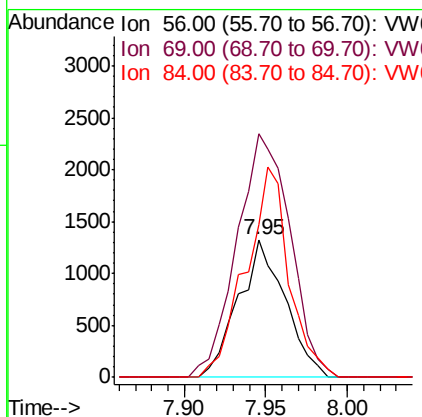
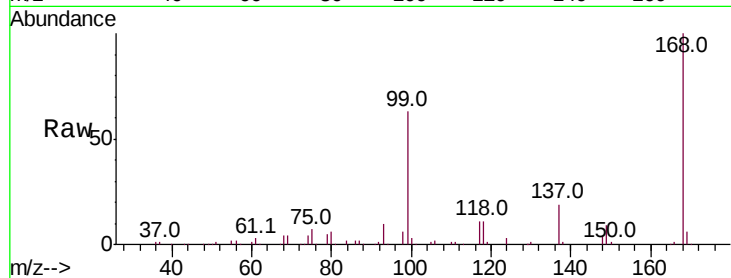




#31
Cyclohexane
Concen: 1.204 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW016427.D
Acq: 31 Aug 2020 21:53

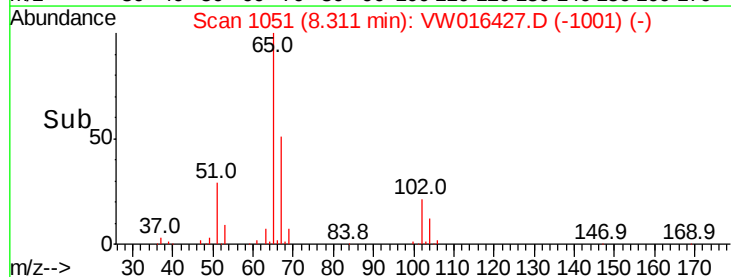
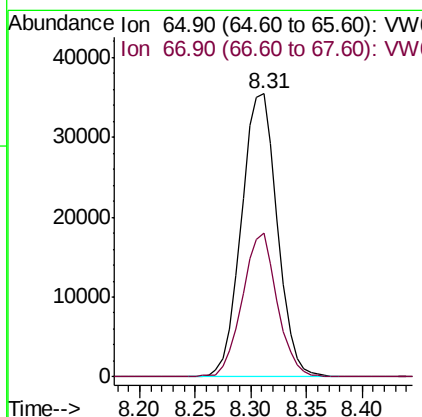
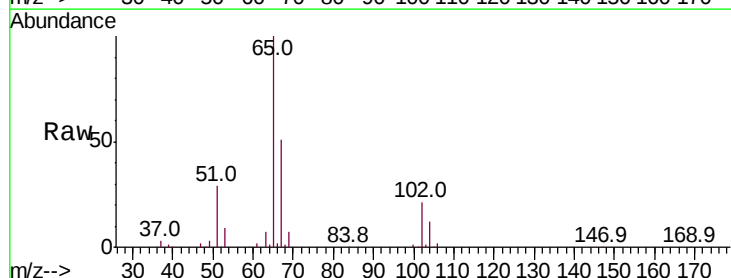
Instrument :
MSVOA_W
ClientSampleId :
LINDEN-BH-01-B

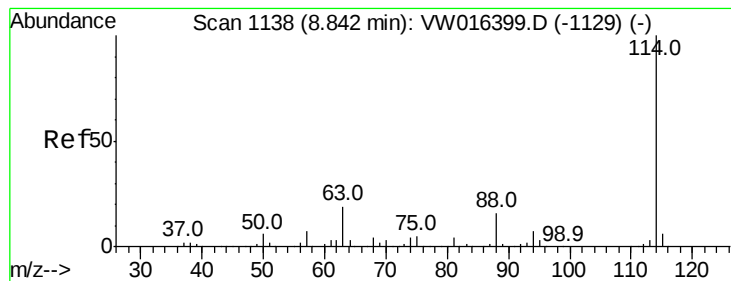
Tot Ion: 56 Resp: 2650
Ion Ratio Lower Upper
56 100
69 176.4 30.0 45.0#
84 110.9 77.4 116.2



#33
1,2-Dichloroethane-d4
Concen: 56.133 ug/l
RT: 8.31 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VW016427.D
Acq: 31 Aug 2020 21:53

Tgt Ion: 65 Resp: 79469
Ion Ratio Lower Upper
65 100
67 49.4 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: VW016427.D

Acq: 31 Aug 2020 21:53

Instrument :

MSVOA_W

ClientSampleId :

LINDEN-BH-01-B

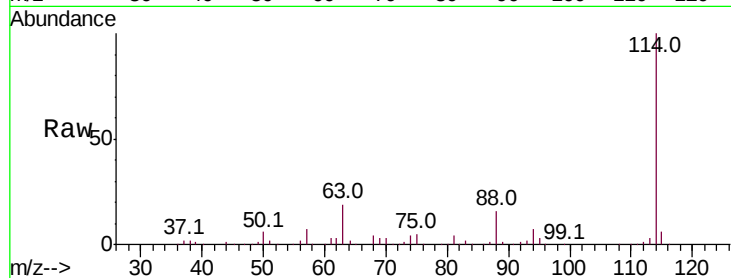
Tot Ion:114 Resp: 243410

Ion Ratio Lower Upper

114 100

63 18.9 0.0 37.8

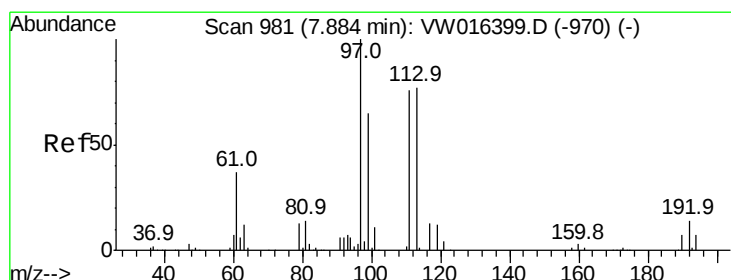
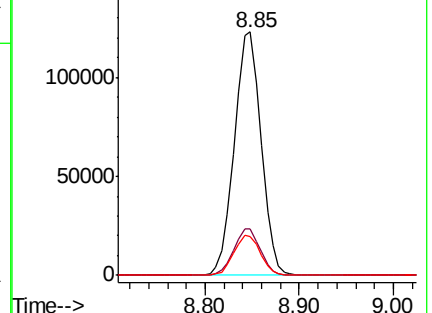
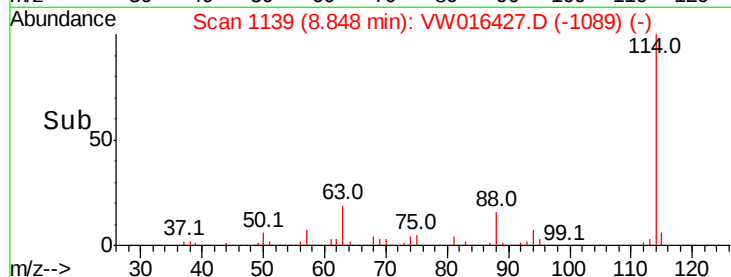
88 15.7 0.0 31.2



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



#35

Dibromofluoromethane

Concen: 51.855 ug/l

RT: 7.89 min Scan# 982

Delta R.T. 0.01 min

Lab File: VW016427.D

Acq: 31 Aug 2020 21:53

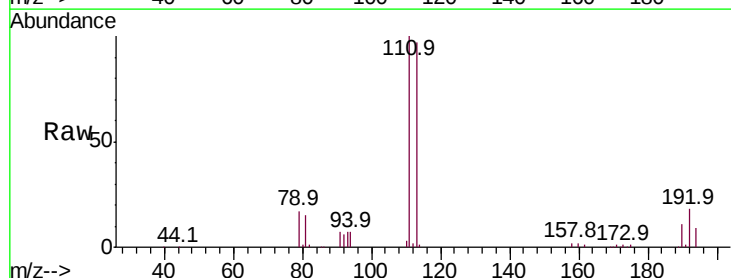
Tgt Ion:113 Resp: 79895

Ion Ratio Lower Upper

113 100

111 101.3 82.1 123.1

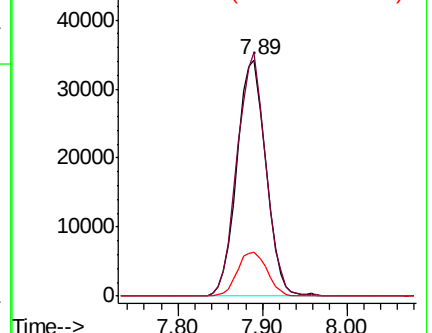
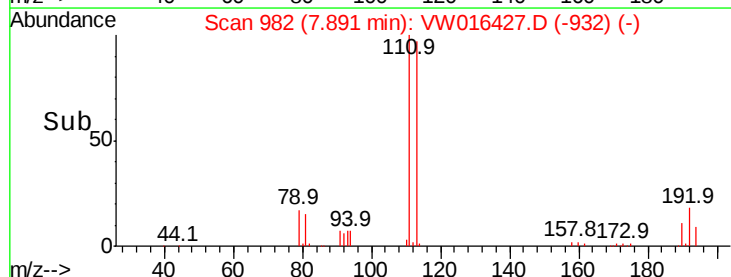
192 18.9 15.5 23.3

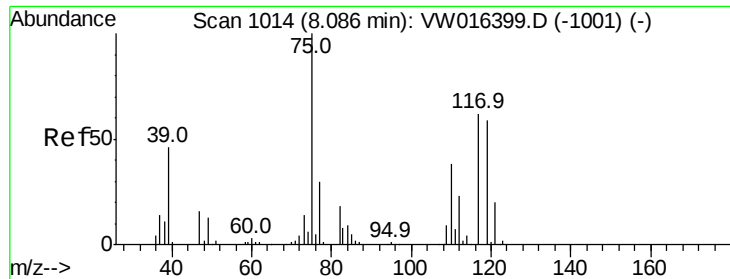


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.588 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW016427.D

Acq: 31 Aug 2020 21:53

Instrument :

MSVOA_W

ClientSampleId :

LINDEN-BH-01-B

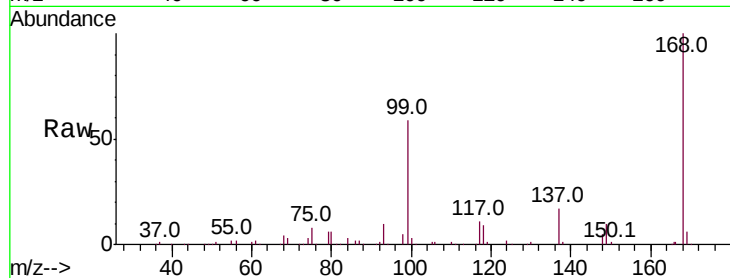
Tot Ion: 75 Resp: 10628

Ion Ratio Lower Upper

75 100

110 10.1 18.6 56.0#

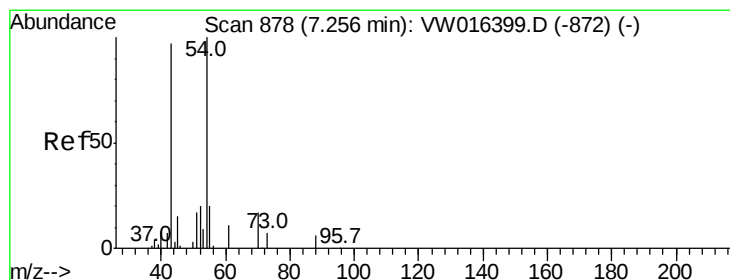
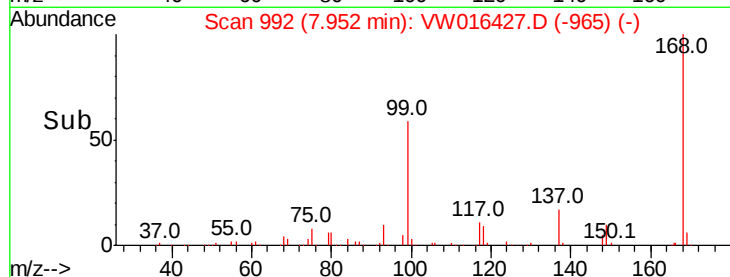
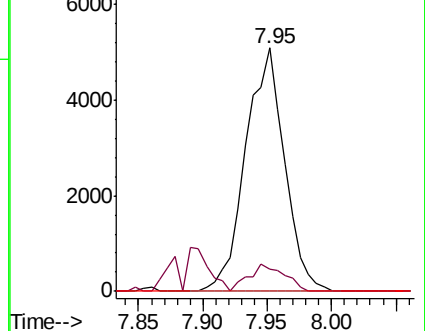
77 0.0 25.1 37.7#



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: 1.892 ug/l

RT: 7.13 min Scan# 858

Delta R.T. -0.12 min

Lab File: VW016427.D

Acq: 31 Aug 2020 21:53

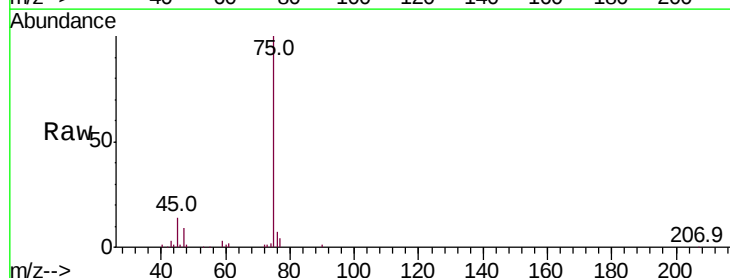
Tgt Ion: 43 Resp: 1485

Ion Ratio Lower Upper

43 100

61 96.9 11.5 17.3#

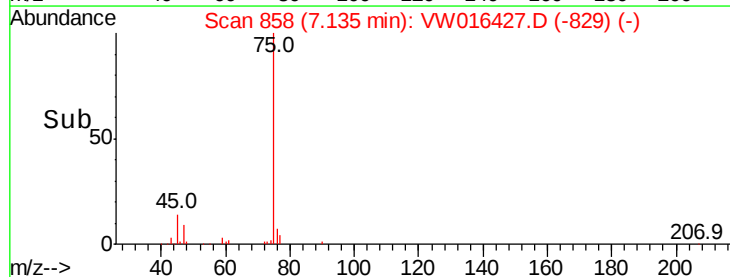
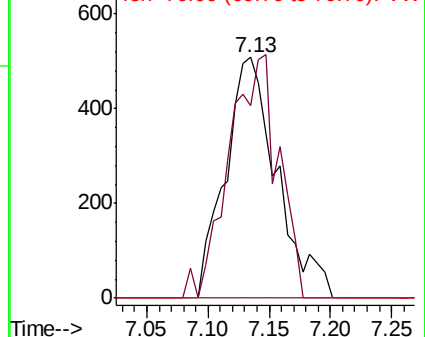
70 0.0 10.7 16.1#

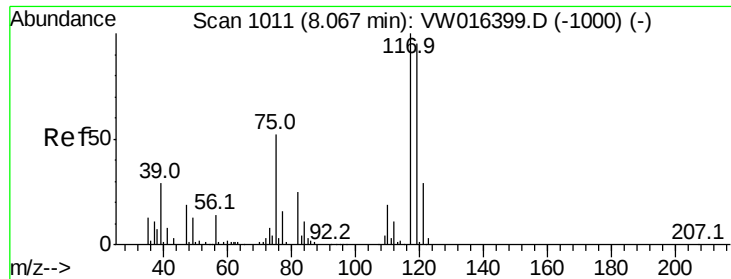


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW

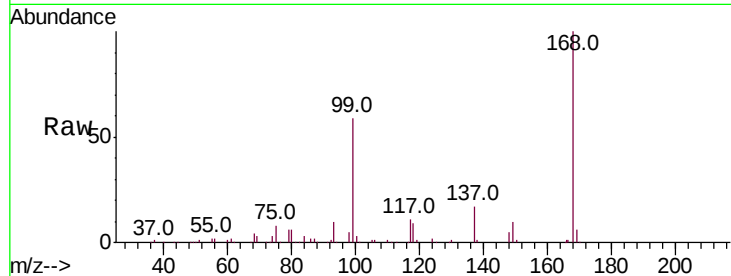




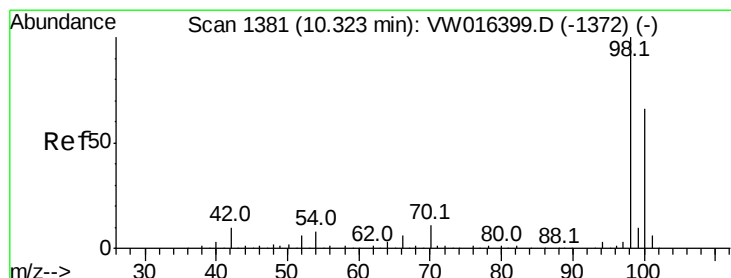
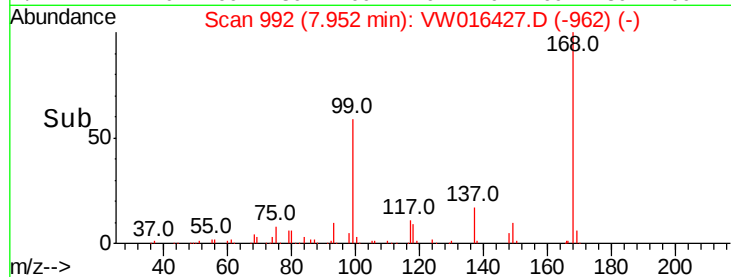
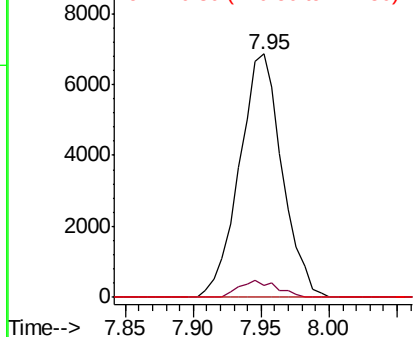
#38
Carbon Tetrachloride
Concen: 5.917 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW016427.D
Acq: 31 Aug 2020 21:53

Instrument :
MSVOA_W
ClientSampleId :
LINDEN-BH-01-B

Tot Ion:117 Resp: 15018
Ion Ratio Lower Upper
117 100
119 4.7 76.3 114.5#
121 0.0 23.0 34.6#

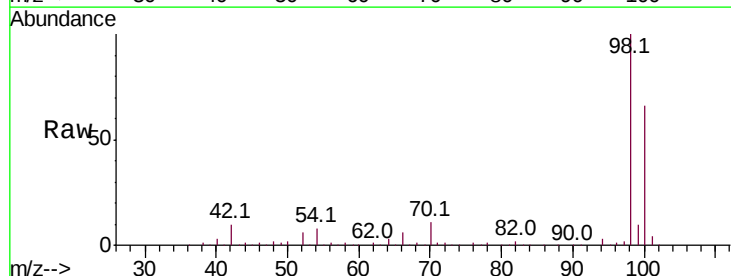


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

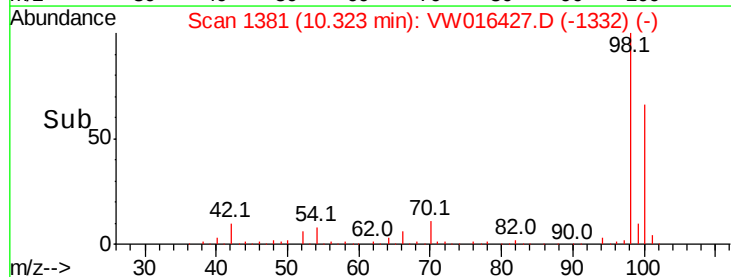
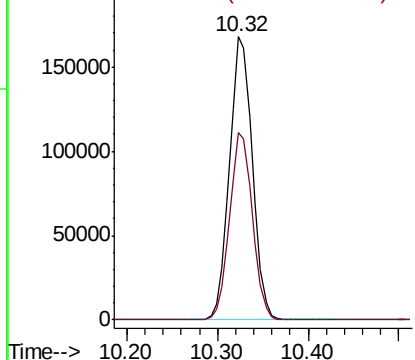


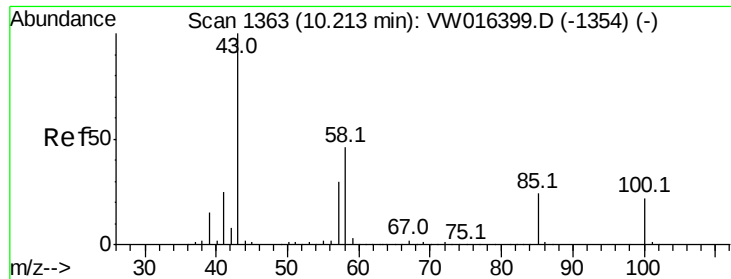
#50
Toluene-d8
Concen: 50.833 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW016427.D
Acq: 31 Aug 2020 21:53

Tgt Ion: 98 Resp: 293279
Ion Ratio Lower Upper
98 100
100 65.9 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: 1.767 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW016427.D

Acq: 31 Aug 2020 21:53

Instrument :

MSVOA_W

ClientSampleId :

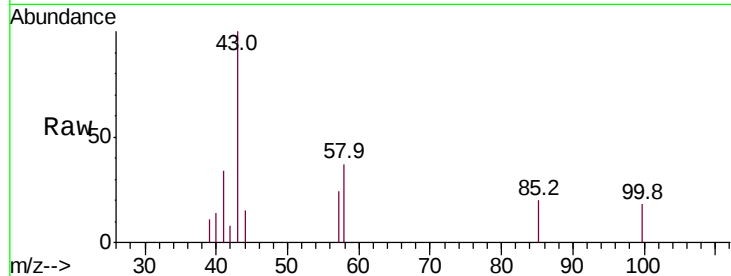
LINDEN-BH-01-B

Tot Ion: 43 Resp: 1368

Ion Ratio Lower Upper

43 100

58 36.8 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

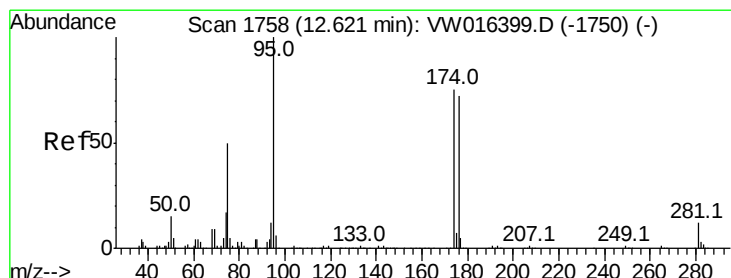
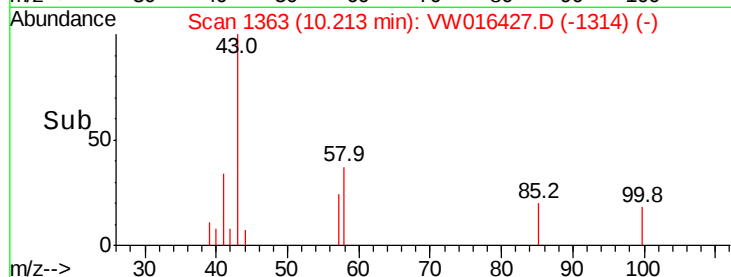
600

400

200

0

Time-->



#62

4-Bromofluorobenzene

Concen: 48.893 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW016427.D

Acq: 31 Aug 2020 21:53

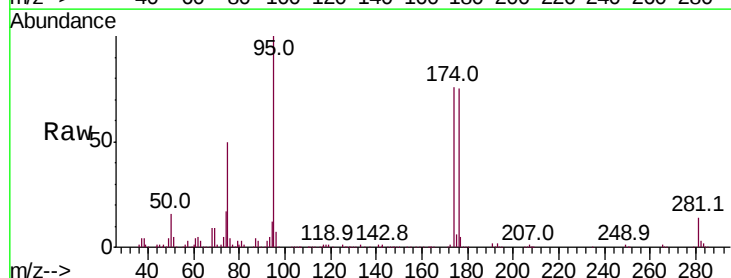
Tgt Ion: 95 Resp: 105780

Ion Ratio Lower Upper

95 100

174 74.1 0.0 152.0

176 72.6 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

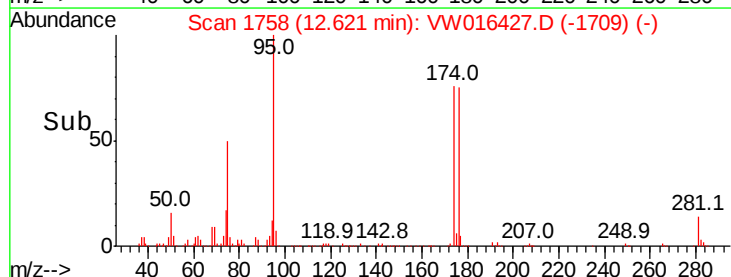
60000

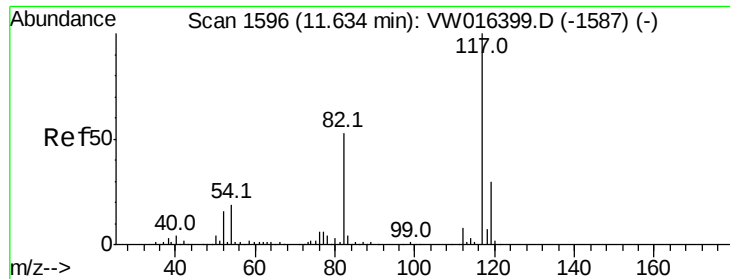
40000

20000

0

Time-->

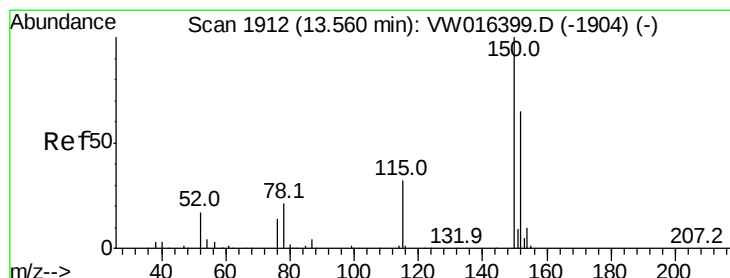
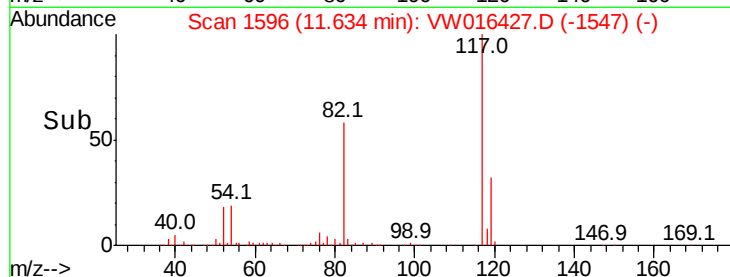
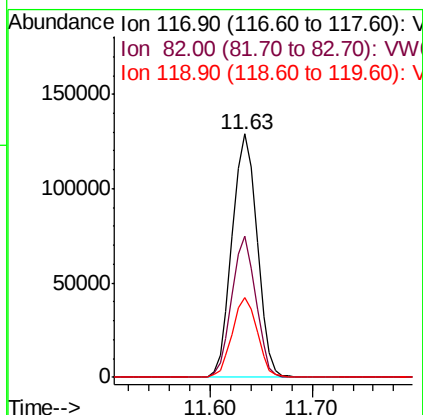
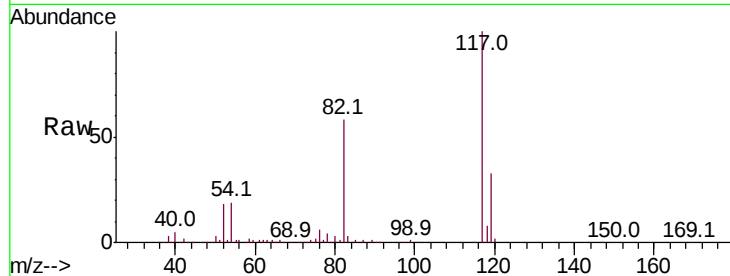




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW016427.D
Acq: 31 Aug 2020 21:53

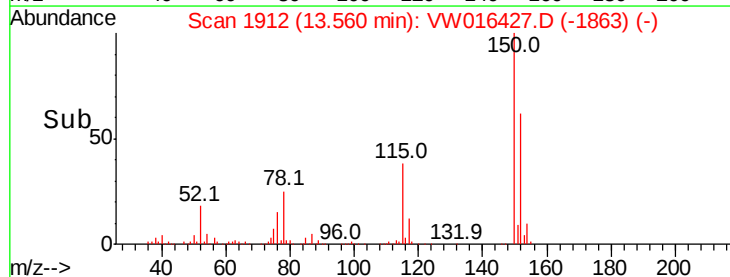
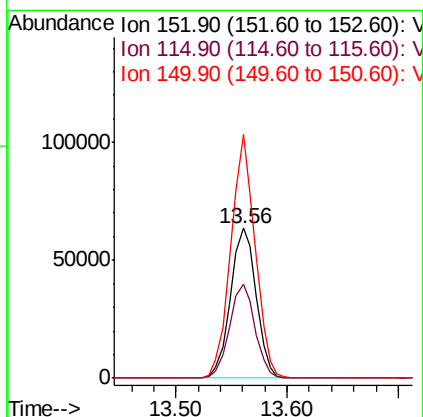
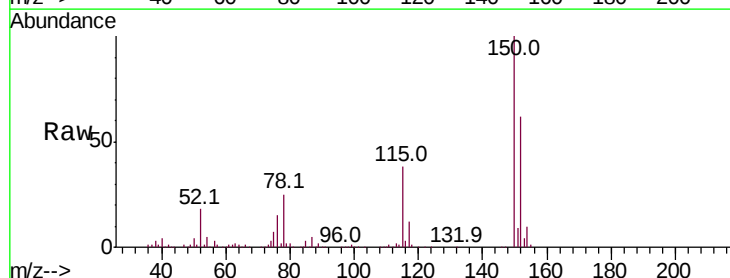
Instrument :
MSVOA_W
ClientSampleId :
LINDEN-BH-01-B

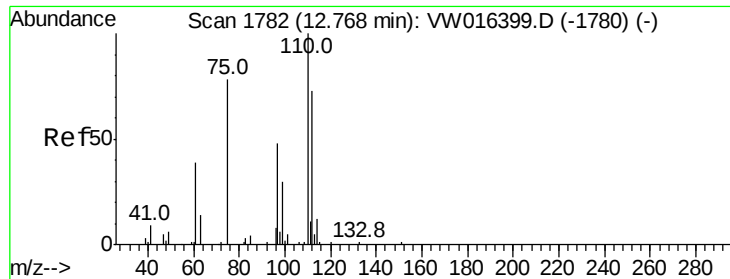
Tot Ion:117 Resp: 219276
Ion Ratio Lower Upper
117 100
82 58.1 42.2 63.4
119 32.7 24.2 36.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW016427.D
Acq: 31 Aug 2020 21:53

Tgt Ion:152 Resp: 101565
Ion Ratio Lower Upper
152 100
115 61.9 30.9 92.5
150 152.7 0.0 351.0

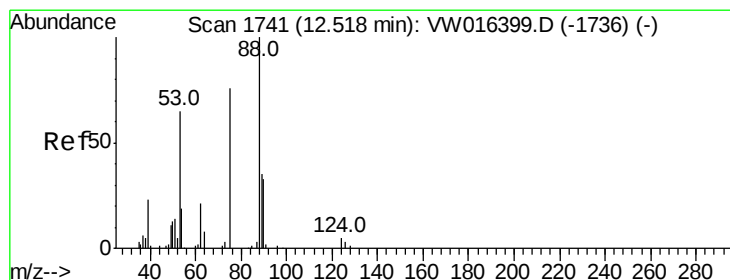
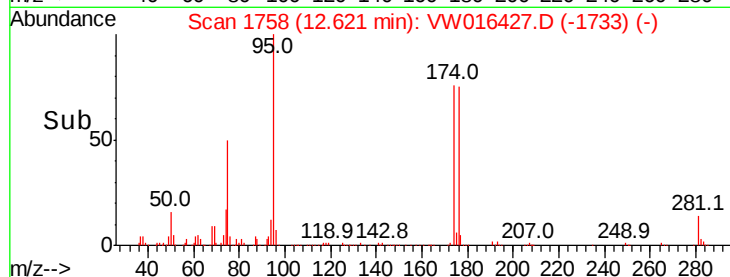
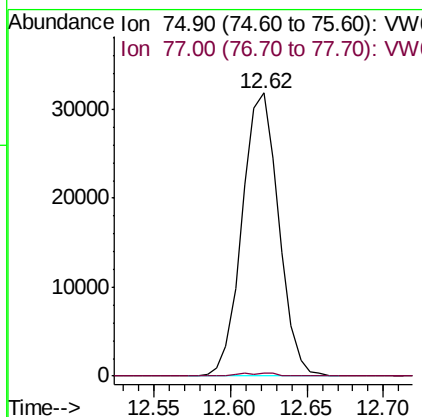
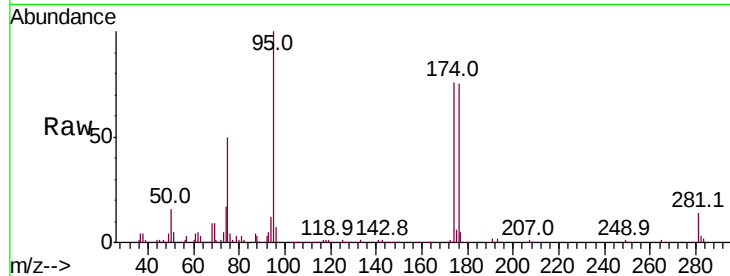




#76
 1,2,3-Trichloropropane
 Concen: 58.898 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW016427.D
 Acq: 31 Aug 2020 21:53

Instrument :
 MSVOA_W
 ClientSampleId :
 LINDEN-BH-01-B

Tot Ion: 75 Resp: 52896
 Ion Ratio Lower Upper
 75 100
 77 1.3 173.4 520.2#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 130.764 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.10 min
 Lab File: VW016427.D
 Acq: 31 Aug 2020 21:53

Tgt Ion: 75 Resp: 52896
 Ion Ratio Lower Upper
 75 100
 53 0.0 75.2 112.8#
 89 0.1 40.4 60.6#

