

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW083120\
 Data File : VW016410.D
 Acq On : 31 Aug 2020 14:42
 Operator : SY/VA
 Sample : L3847-14
 Misc : 5.03G/5ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 LINDEN-JOP-BH-10-A

Quant Time: Sep 01 02:58:46 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	150768	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	250780	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	226312	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	101189	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	77286	51.21	ug/l	0.00
Spiked Amount			Recovery	=	102.42%	
35) Dibromofluoromethane	7.89	113	79054	49.80	ug/l	0.00
Spiked Amount			Recovery	=	99.60%	
50) Toluene-d8	10.33	98	296551	49.89	ug/l	0.00
Spiked Amount			Recovery	=	99.78%	
62) 4-Bromofluorobenzene	12.62	95	103034	46.22	ug/l	0.00
Spiked Amount			Recovery	=	92.44%	

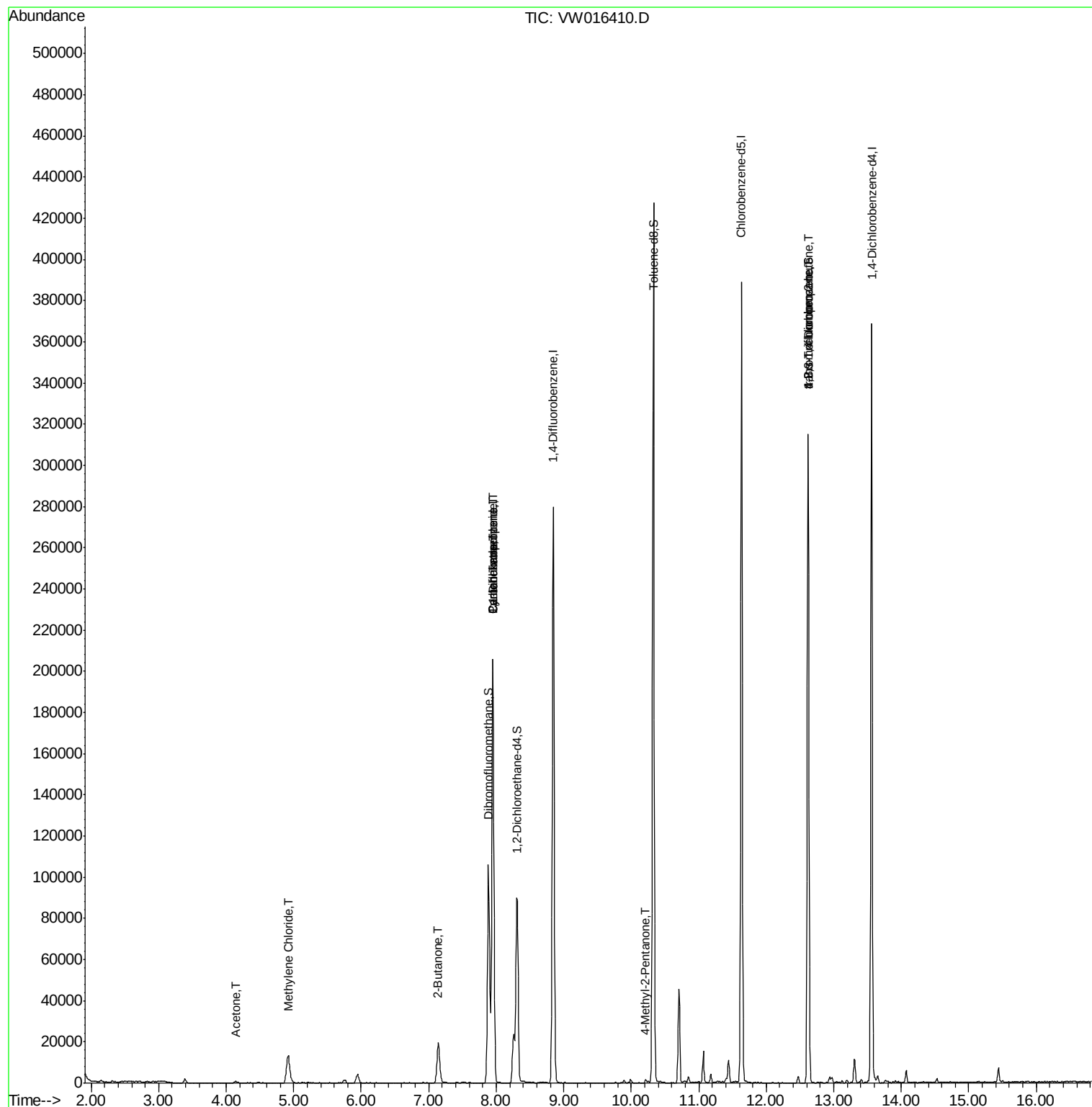
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.23	59	247	Below Cal	#	72
16) Acetone	4.15	43	1514	5.907	ug/l	97
20) Methylene Chloride	4.92	84	11363	1.519	ug/l	94
25) 2-Butanone	7.14	43	891	2.562	ug/l #	41
31) Cyclohexane	7.95	56	2928	1.248	ug/l #	2
36) 1,1-Dichloropropene	7.95	75	11199	4.692	ug/l #	49
38) Carbon Tetrachloride	7.95	117	15888	6.075	ug/l #	17
51) 4-Methyl-2-Pentanone	10.21	43	1177	1.475	ug/l	89
76) 1,2,3-Trichloropropane	12.62	75	52853	59.069	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	52853	131.144	ug/l #	11

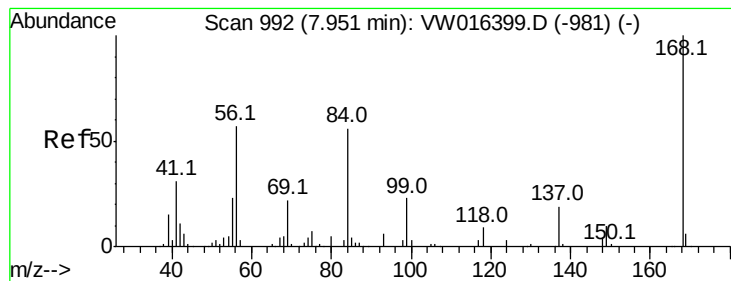
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW083120\
Data File : VW016410.D
Acq On : 31 Aug 2020 14:42
Operator : SY/VA
Sample : L3847-14
Misc : 5.03G/5ML/MSVOA W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
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ClientSampleId :
LINDEN-JOP-BH-10-A

Quant Time: Sep 01 02:58:46 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: VW016410.D

Acq: 31 Aug 2020 14:42

Instrument :

MSVOA_W

ClientSampleId :

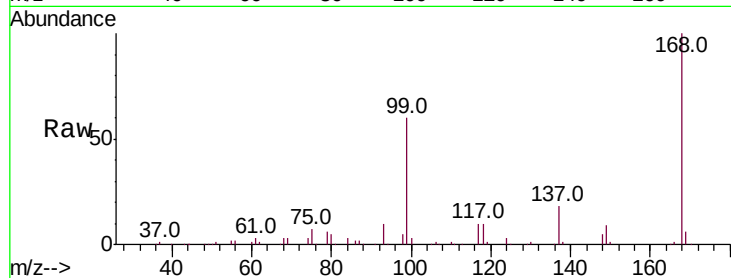
LINDEN-JOP-BH-10-A

Tot Ion:168 Resp: 150768

Ion Ratio Lower Upper

168 100

99 59.7 49.0 73.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

60000

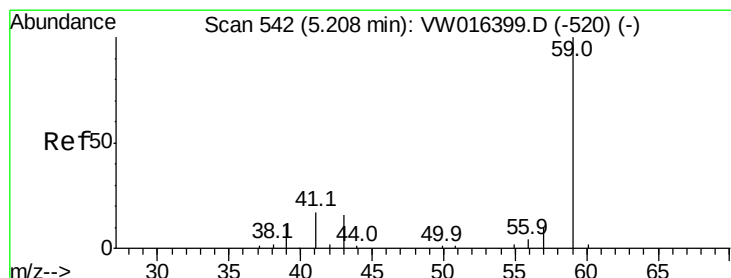
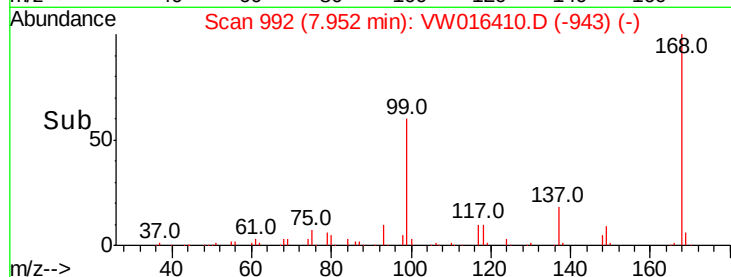
40000

20000

0

7.90 8.00

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.23 min Scan# 545

Delta R.T. 0.02 min

Lab File: VW016410.D

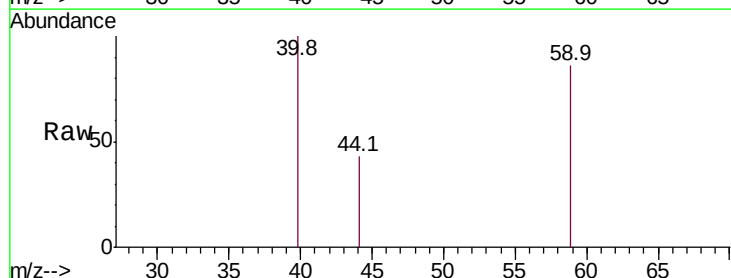
Acq: 31 Aug 2020 14:42

Tgt Ion: 59 Resp: 247

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

150

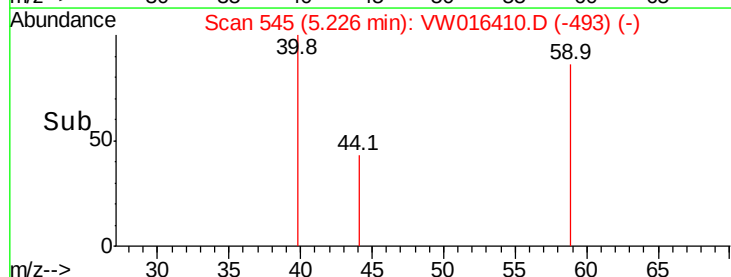
100

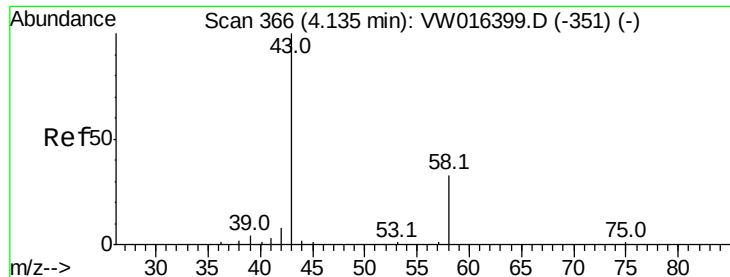
50

0

5.15 5.20 5.25

Time-->





#16

Acetone

Concen: 5.907 ug/l

RT: 4.15 min Scan# 368

Delta R.T. 0.01 min

Lab File: VW016410.D

Acq: 31 Aug 2020 14:42

Instrument :

MSVOA_W

ClientSampleId :

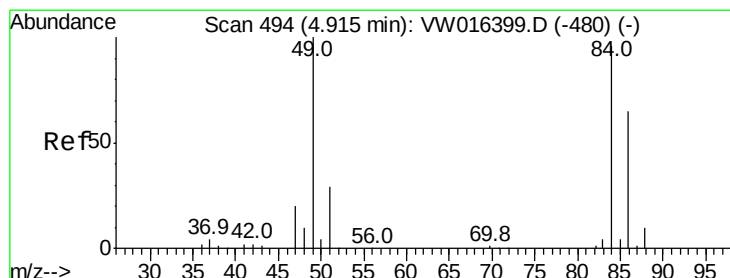
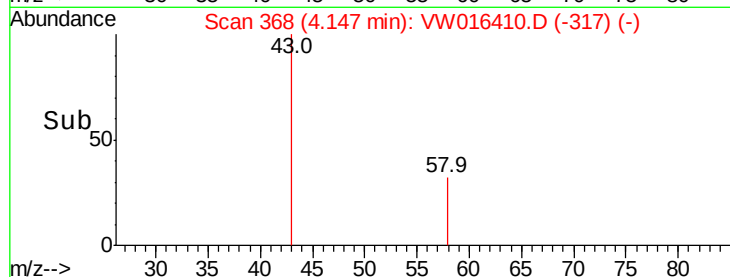
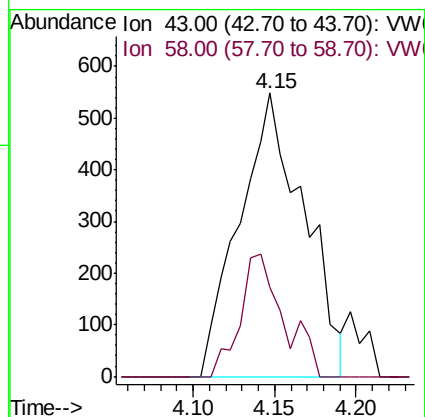
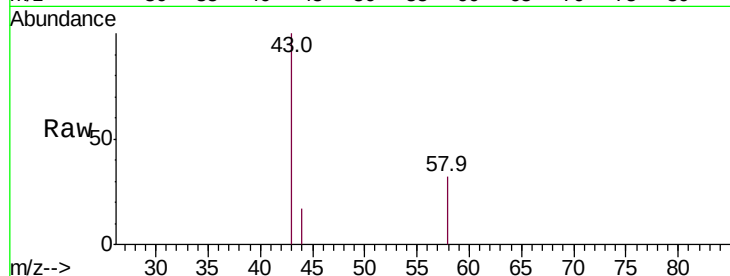
LINDEN-JOP-BH-10-A

Tot Ion: 43 Resp: 1514

Ion Ratio Lower Upper

43 100

58 31.6 26.6 39.8



#20

Methylene Chloride

Concen: 1.519 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW016410.D

Acq: 31 Aug 2020 14:42

Tgt Ion: 84 Resp: 11363

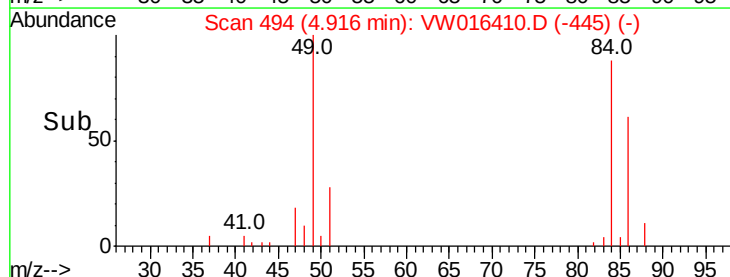
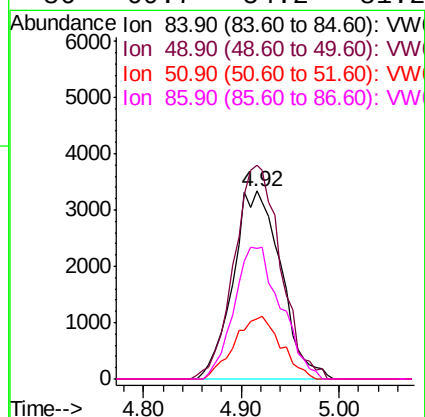
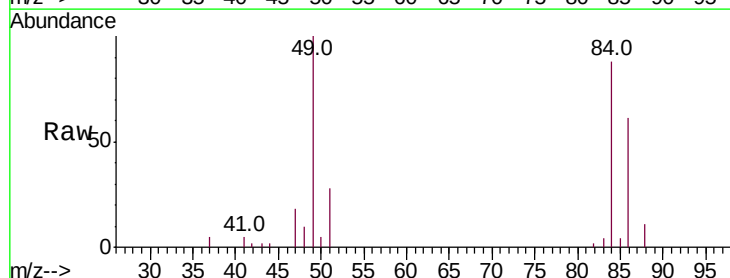
Ion Ratio Lower Upper

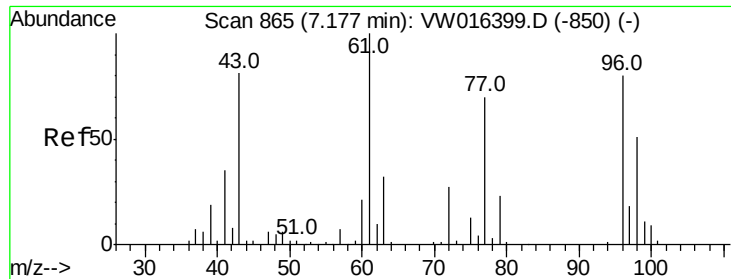
84 100

49 113.6 83.2 124.8

51 31.7 24.4 36.6

86 69.7 54.2 81.2

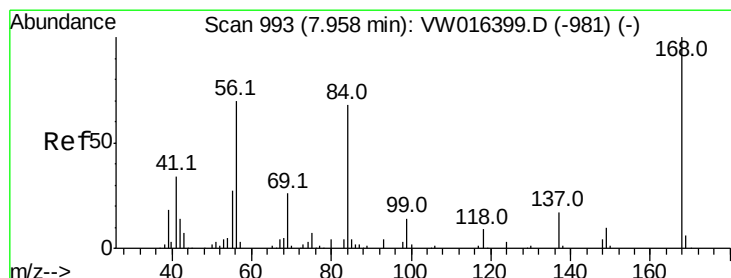
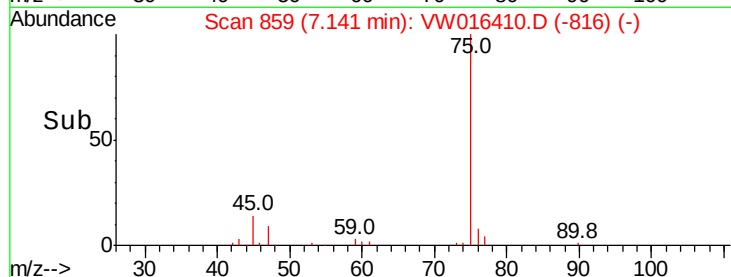
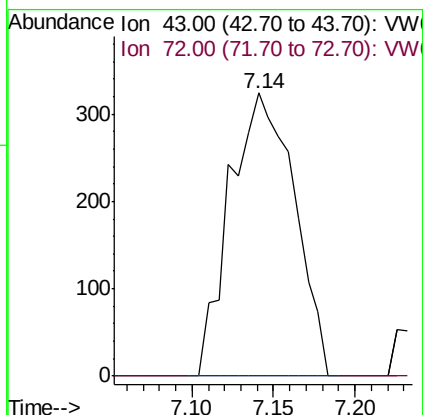
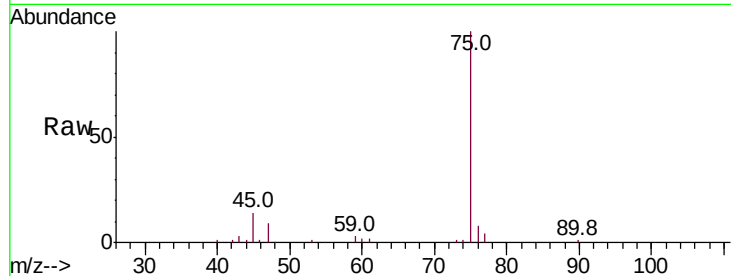




#25
2-Butanone
Concen: 2.562 ug/l
RT: 7.14 min Scan# 859
Delta R.T. -0.04 min
Lab File: VW016410.D
Acq: 31 Aug 2020 14:42

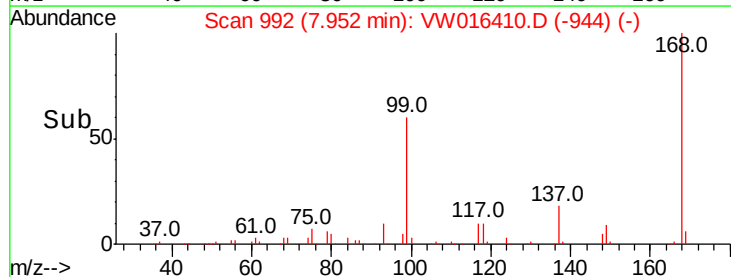
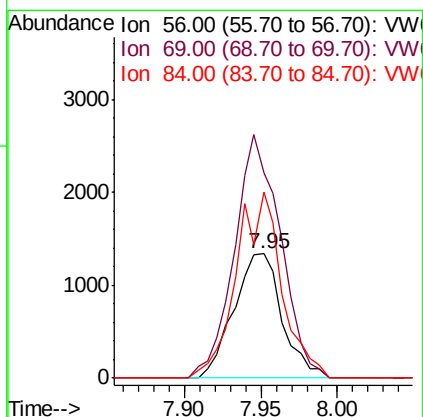
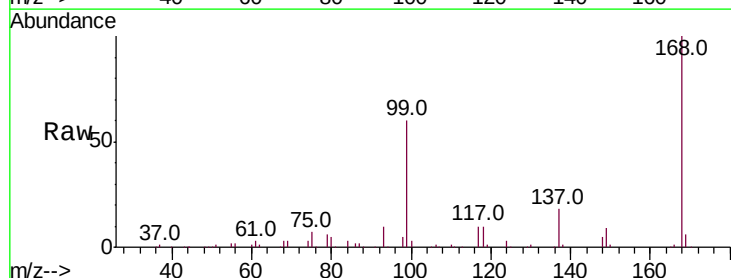
Instrument :
MSVOA_W
ClientSampleId :
LINDEN-JOP-BH-10-A

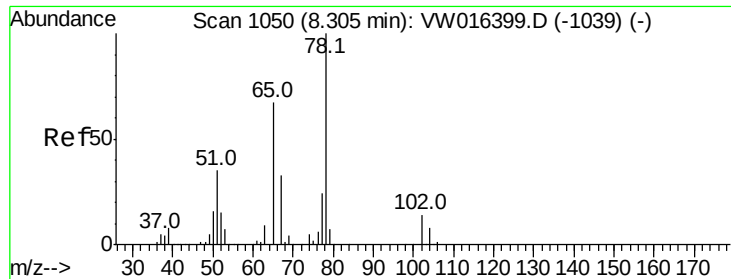
Tot Ion: 43 Resp: 891
Ion Ratio Lower Upper
43 100
72 0.0 26.7 40.1#



#31
Cyclohexane
Concen: 1.248 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW016410.D
Acq: 31 Aug 2020 14:42

Tgt Ion: 56 Resp: 2928
Ion Ratio Lower Upper
56 100
69 165.5 30.0 45.0#
84 149.5 77.4 116.2#

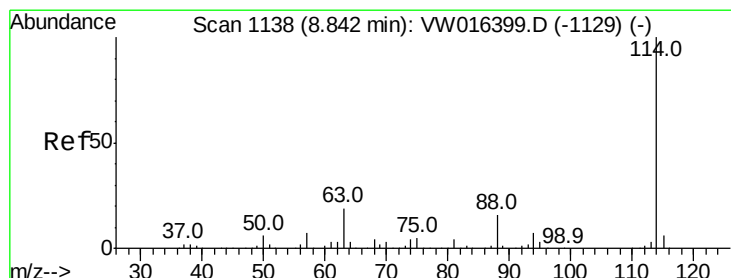
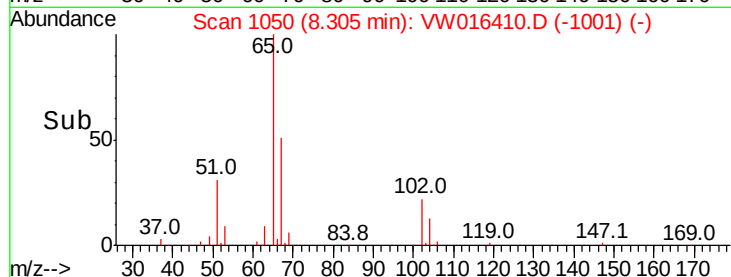
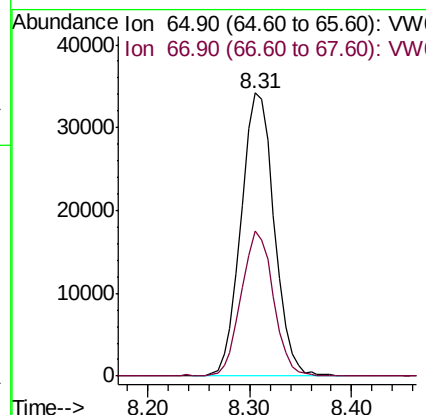
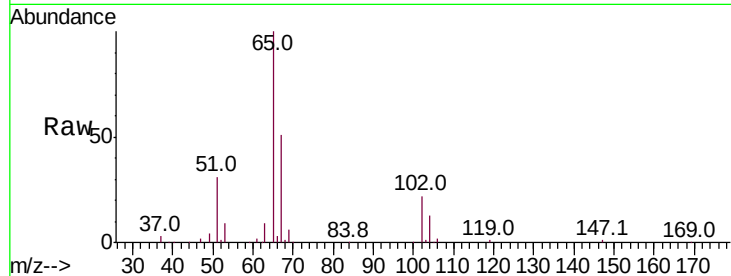




#33
 1,2-Dichloroethane-d4
 Concen: 51.208 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW016410.D
 Acq: 31 Aug 2020 14:42

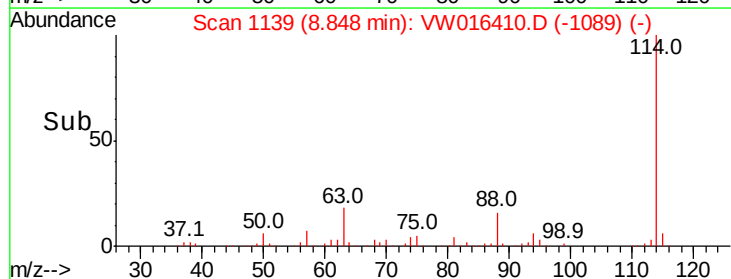
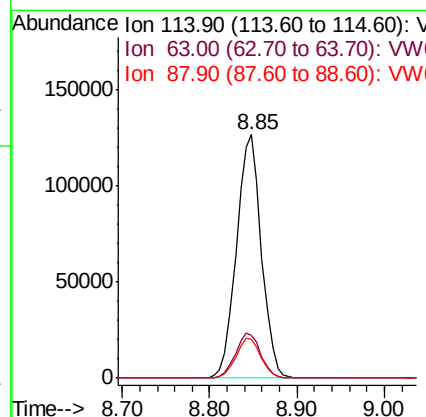
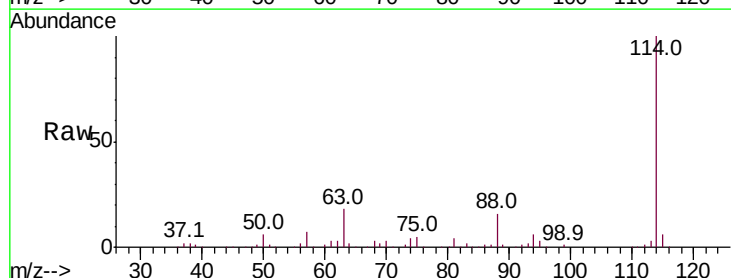
Instrument :
 MSVOA_W
 ClientSampleId :
 LINDEN-JOP-BH-10-A

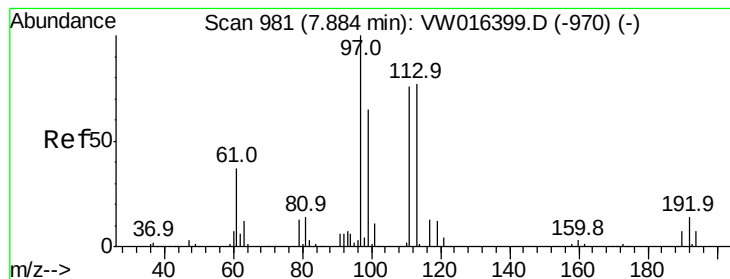
Tot Ion: 65 Resp: 77286
 Ion Ratio Lower Upper
 65 100
 67 49.8 0.0 100.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.01 min
 Lab File: VW016410.D
 Acq: 31 Aug 2020 14:42

Tgt Ion: 114 Resp: 250780
 Ion Ratio Lower Upper
 114 100
 63 17.6 0.0 37.8
 88 15.9 0.0 31.2





#35

Dibromofluoromethane

Concen: 49.802 ug/l

RT: 7.89 min Scan# 982

Delta R.T. 0.01 min

Lab File: VW016410.D

Acq: 31 Aug 2020 14:42

Instrument :

MSVOA_W

ClientSampleId :

LINDEN-JOP-BH-10-A

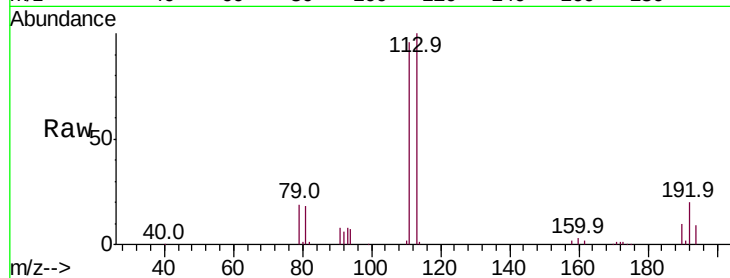
Tot Ion:113 Resp: 79054

Ion Ratio Lower Upper

113 100

111 100.3 82.1 123.1

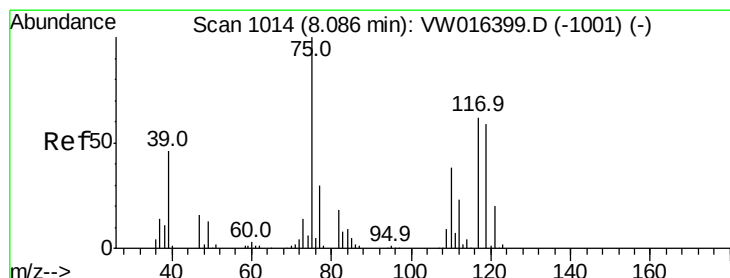
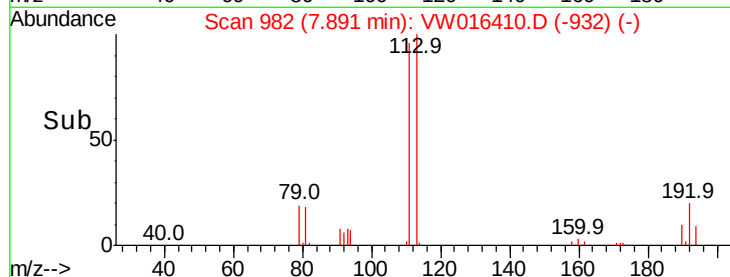
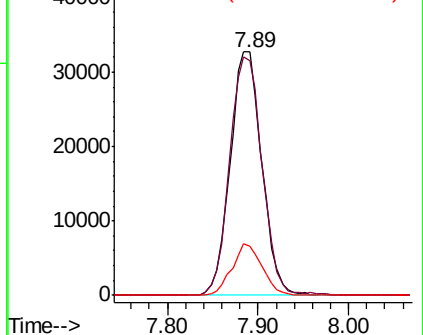
192 20.0 15.5 23.3



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: 4.692 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.14 min

Lab File: VW016410.D

Acq: 31 Aug 2020 14:42

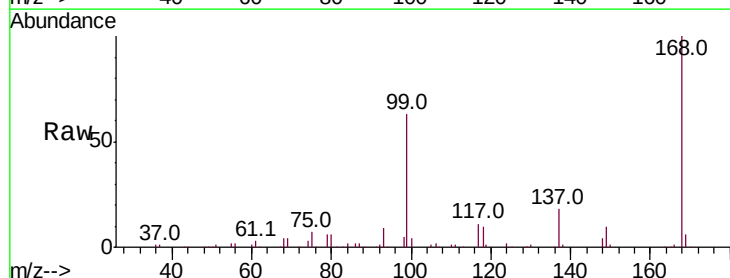
Tgt Ion: 75 Resp: 11199

Ion Ratio Lower Upper

75 100

110 10.2 18.6 56.0#

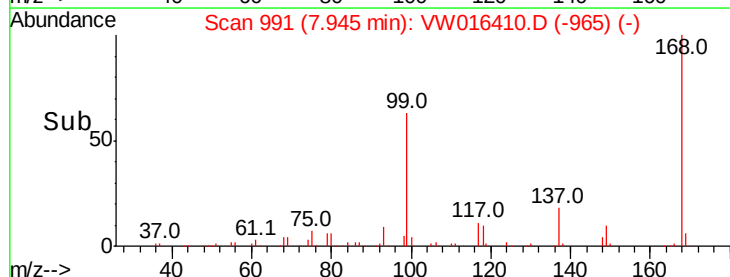
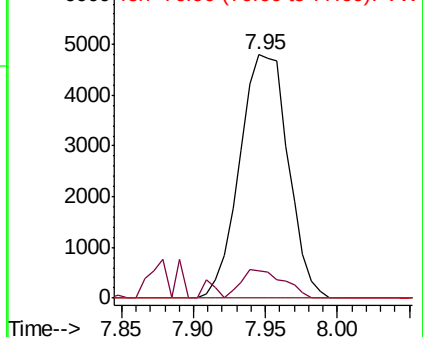
77 0.0 25.1 37.7#

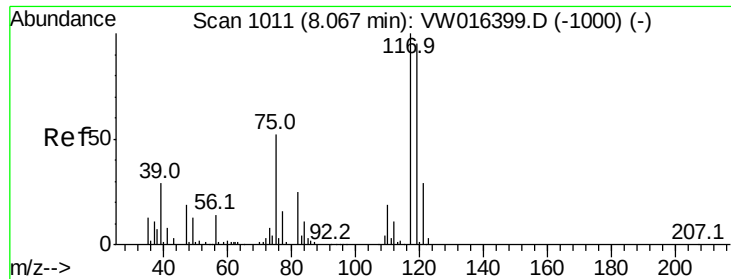


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

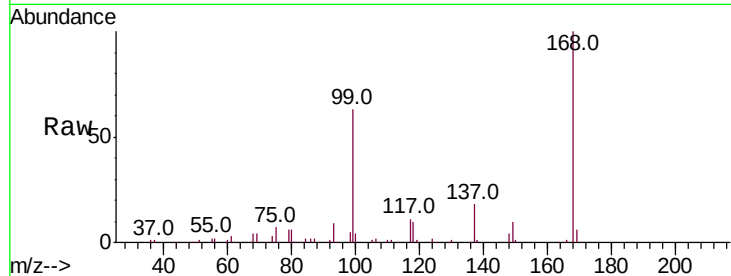




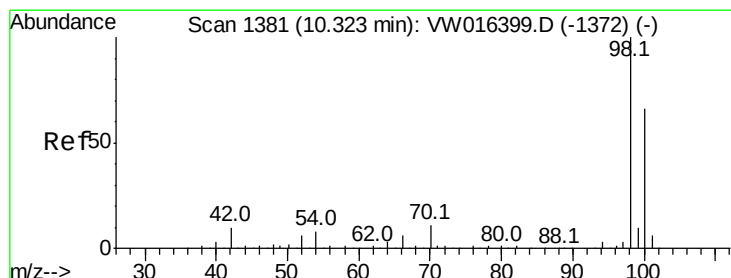
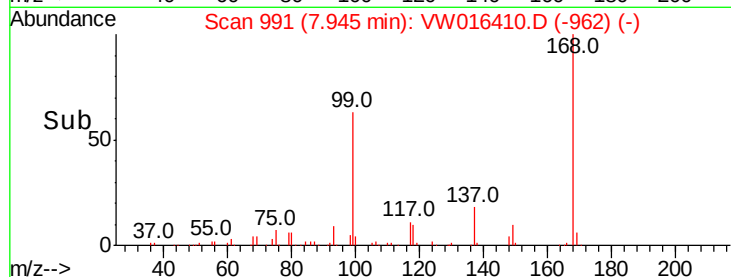
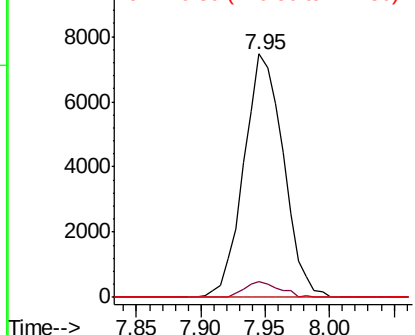
#38
Carbon Tetrachloride
Concen: 6.075 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW016410.D
Acq: 31 Aug 2020 14:42

Instrument :
MSVOA_W
ClientSampleId :
LINDEN-JOP-BH-10-A

Tot Ion:117 Resp: 15888
Ion Ratio Lower Upper
117 100
119 6.4 76.3 114.5#
121 0.0 23.0 34.6#

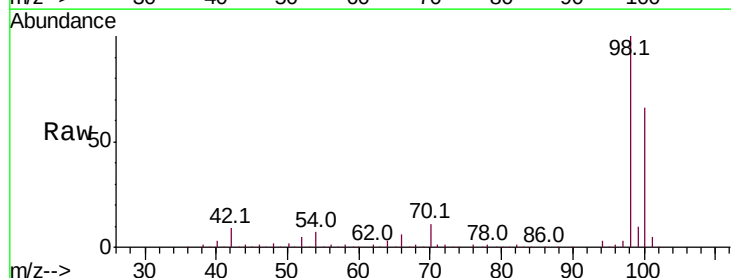


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

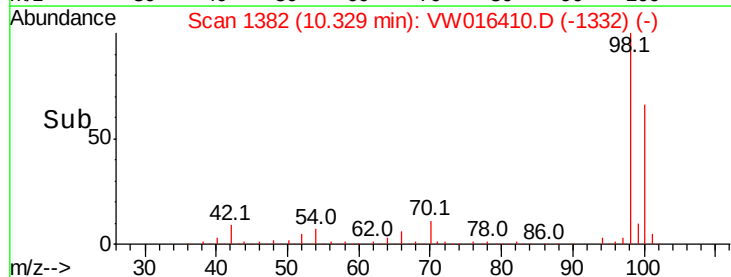
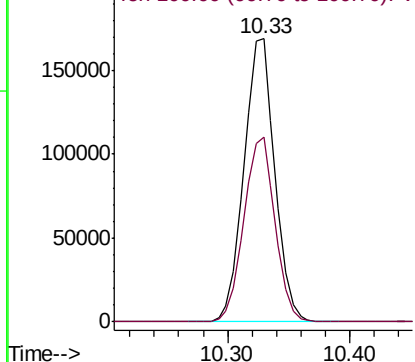


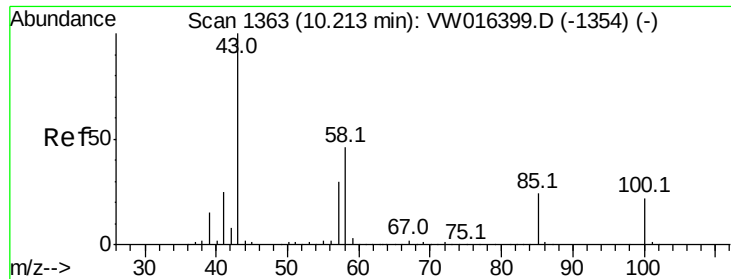
#50
Toluene-d8
Concen: 49.890 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. 0.01 min
Lab File: VW016410.D
Acq: 31 Aug 2020 14:42

Tgt Ion: 98 Resp: 296551
Ion Ratio Lower Upper
98 100
100 66.0 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: 1.475 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW016410.D

Acq: 31 Aug 2020 14:42

Instrument :

MSVOA_W

ClientSampleId :

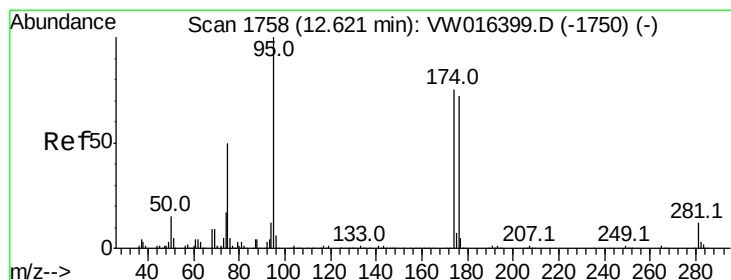
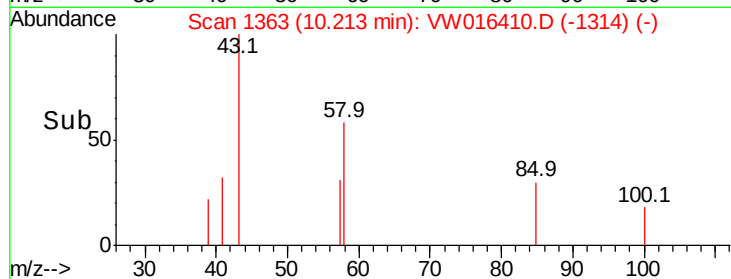
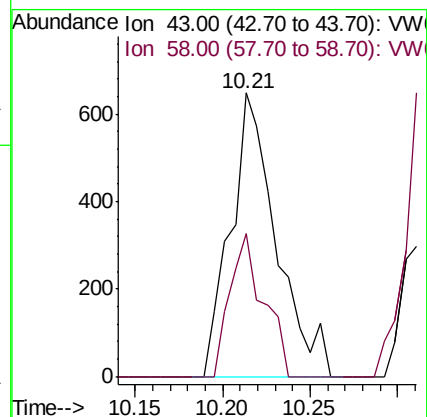
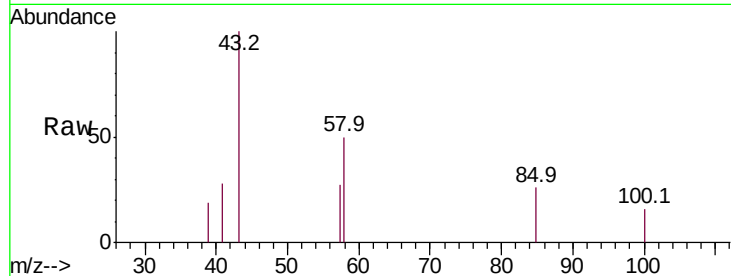
LINDEN-JOP-BH-10-A

Tot Ion: 43 Resp: 1177

Ion Ratio Lower Upper

43 100

58 37.1 35.4 53.0



#62

4-Bromofluorobenzene

Concen: 46.225 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW016410.D

Acq: 31 Aug 2020 14:42

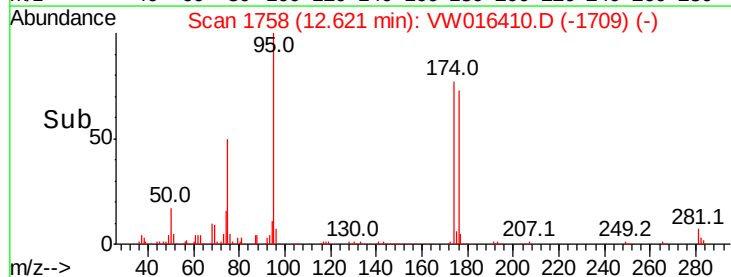
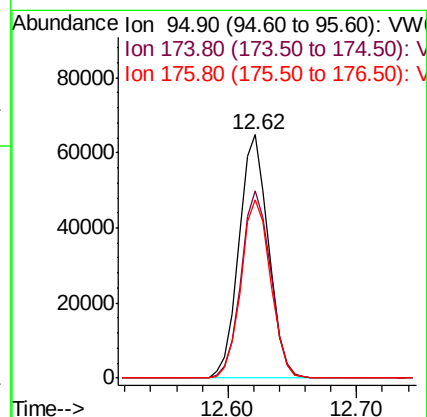
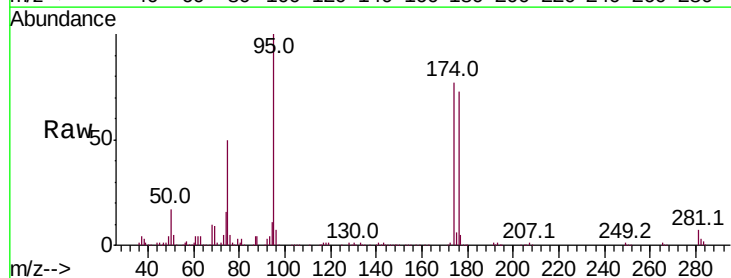
Tgt Ion: 95 Resp: 103034

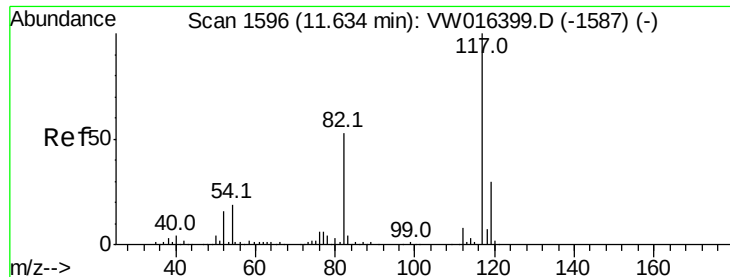
Ion Ratio Lower Upper

95 100

174 77.3 0.0 152.0

176 73.4 0.0 145.6

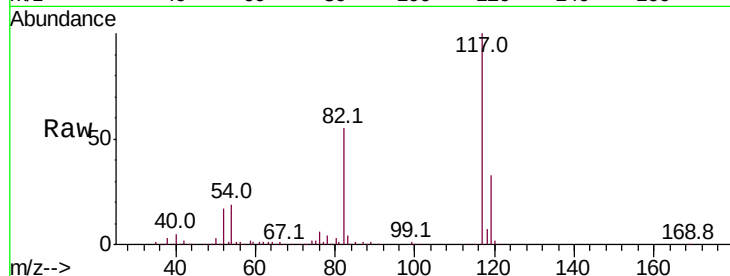




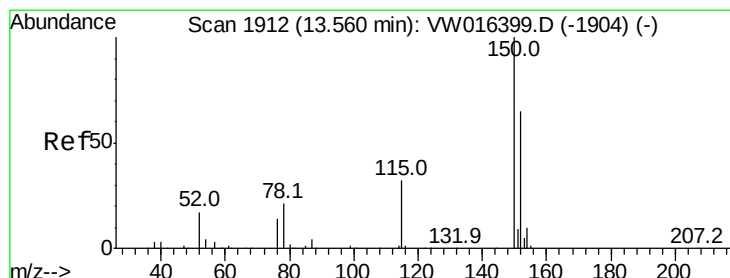
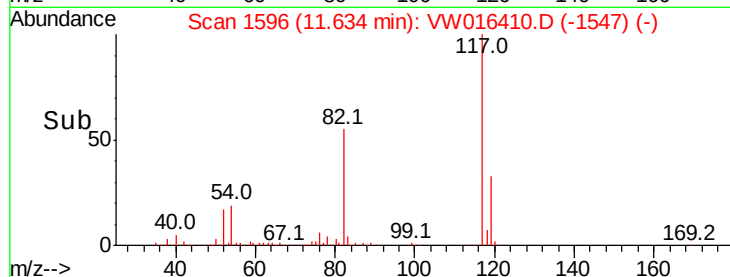
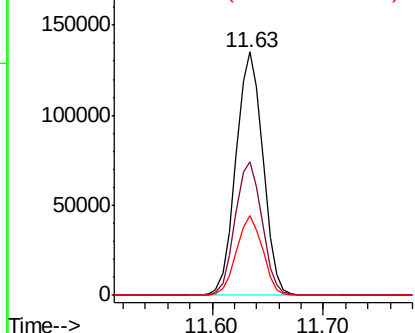
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW016410.D
Acq: 31 Aug 2020 14:42

Instrument :
MSVOA_W
ClientSampleId :
LINDEN-JOP-BH-10-A

Tot Ion:117 Resp: 226312
Ion Ratio Lower Upper
117 100
82 54.8 42.2 63.4
119 32.7 24.2 36.4

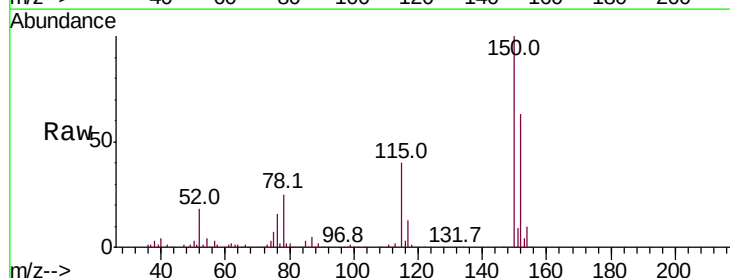


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

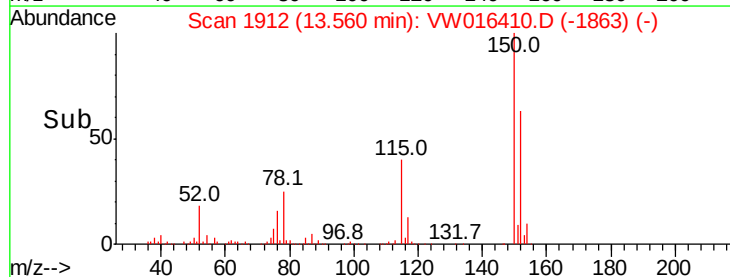
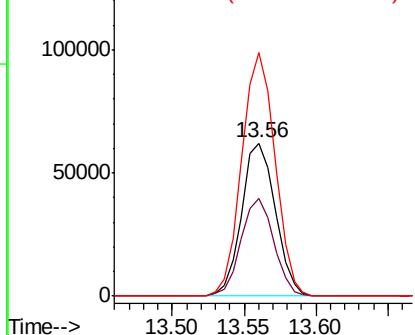


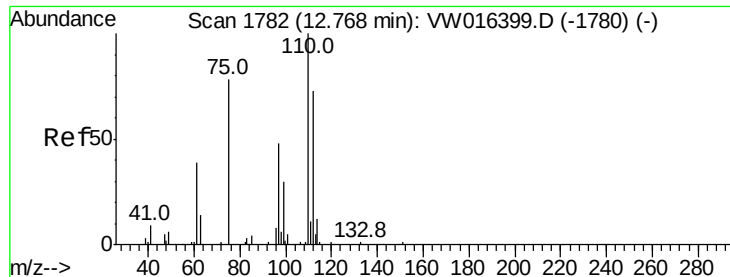
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW016410.D
Acq: 31 Aug 2020 14:42

Tgt Ion:152 Resp: 101189
Ion Ratio Lower Upper
152 100
115 61.8 30.9 92.5
150 156.8 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: 59.069 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW016410.D

Acq: 31 Aug 2020 14:42

Instrument :

MSVOA_W

ClientSampleId :

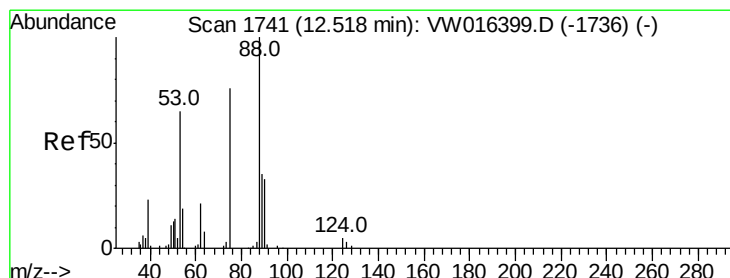
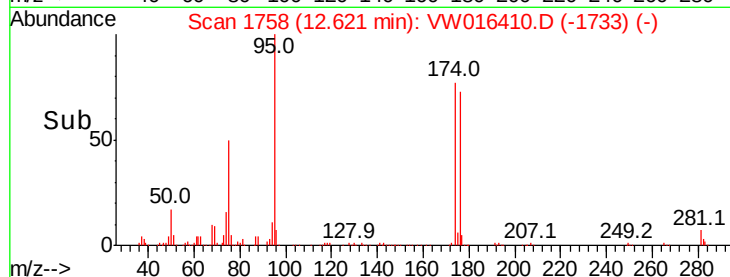
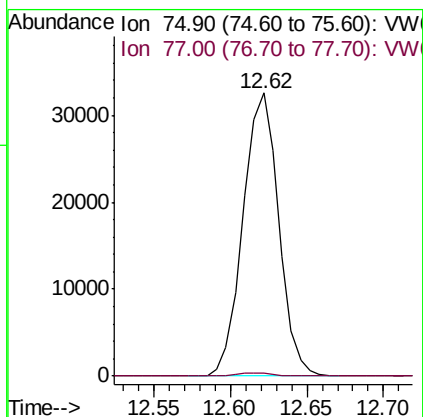
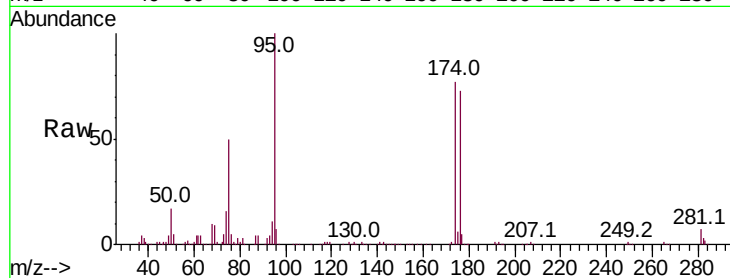
LINDEN-JOP-BH-10-A

Tot Ion: 75 Resp: 52853

Ion Ratio Lower Upper

75 100

77 1.2 173.4 520.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 131.144 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW016410.D

Acq: 31 Aug 2020 14:42

Tgt Ion: 75 Resp: 52853

Ion Ratio Lower Upper

75 100

53 0.0 75.2 112.8#

89 0.2 40.4 60.6#

