

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW083120\
 Data File : VW016411.D
 Acq On : 31 Aug 2020 15:07
 Operator : SY/VA
 Sample : L3847-16
 Misc : 4.28G/5ML/MSVOA W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

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

Quant Time: Sep 01 02:58:53 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	145582	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	243100	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	219380	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	101016	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	78135	53.61	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	107.22%	
35) Dibromofluoromethane	7.88	113	75449	49.03	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.06%	
50) Toluene-d8	10.33	98	287553	49.90	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.80%	
62) 4-Bromofluorobenzene	12.62	95	103242	47.78	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	95.56%	

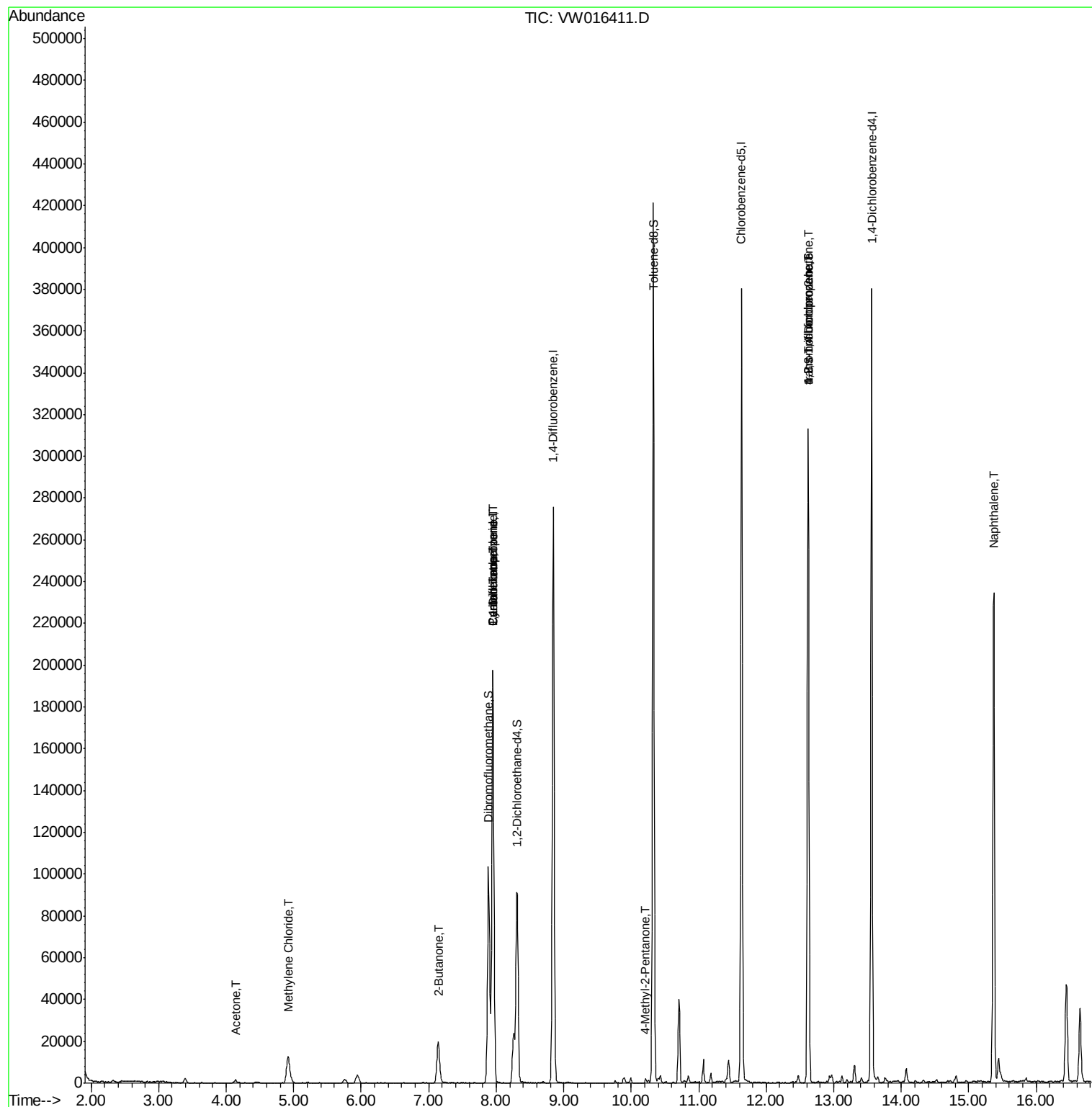
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.20	59	451	Below Cal		# 72
16) Acetone	4.14	43	2548	10.296	ug/l	90
20) Methylene Chloride	4.92	84	11162	1.657	ug/l	93
25) 2-Butanone	7.15	43	1002	2.984	ug/l	# 41
31) Cyclohexane	7.95	56	2722	1.202	ug/l	# 1
36) 1,1-Dichloropropene	7.95	75	10653	4.605	ug/l	# 50
38) Carbon Tetrachloride	7.95	117	14453	5.701	ug/l	# 17
51) 4-Methyl-2-Pentanone	10.21	43	1381	1.786	ug/l	96
76) 1,2,3-Trichloropropane	12.62	75	51145	57.258	ug/l	# 1
81) trans-1,4-Dichloro-2-buten	12.62	75	51145	127.123	ug/l	# 11
95) Naphthalene	15.37	128	205654	56.228	ug/l	99

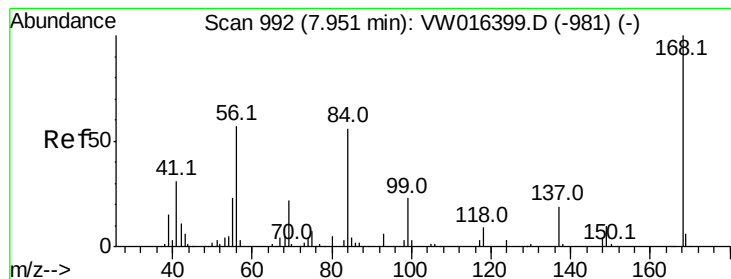
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW083120\
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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: VW016411.D

Acq: 31 Aug 2020 15:07

Instrument :

MSVOA_W

ClientSampleId :

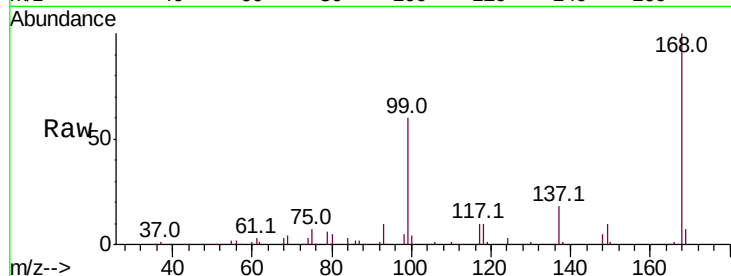
LINDEN-JOP-BH-10-B

Tot Ion:168 Resp: 145582

Ion Ratio Lower Upper

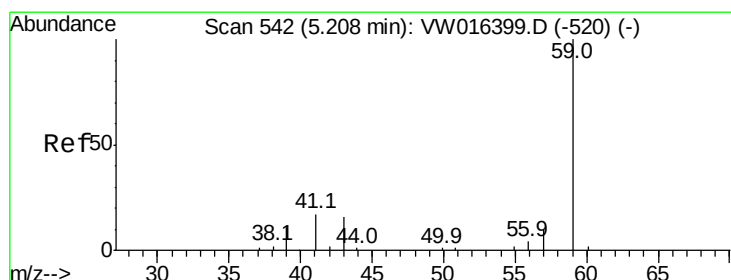
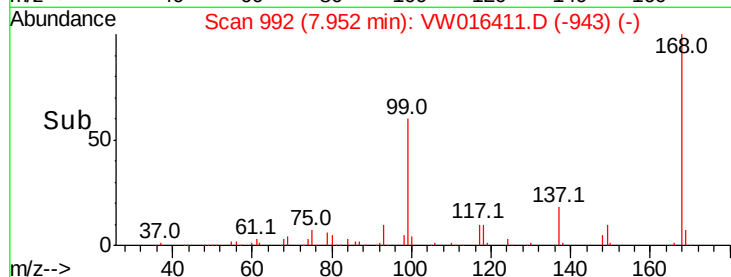
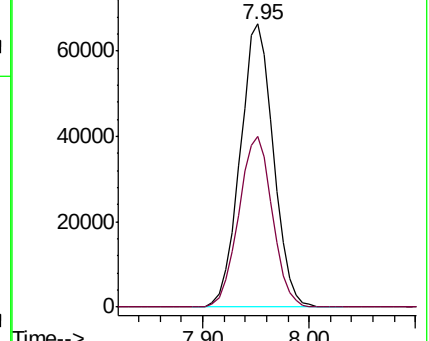
168 100

99 60.1 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: 5.20 min Scan# 541

Delta R.T. -0.01 min

Lab File: VW016411.D

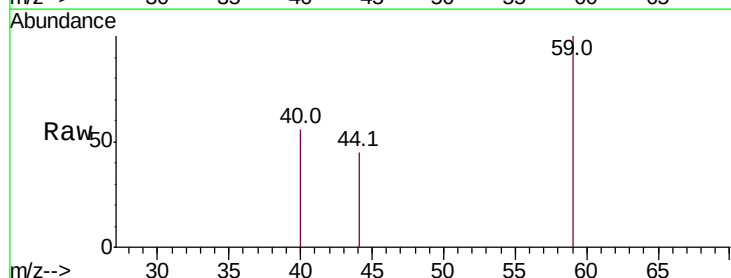
Acq: 31 Aug 2020 15:07

Tgt Ion: 59 Resp: 451

Ion Ratio Lower Upper

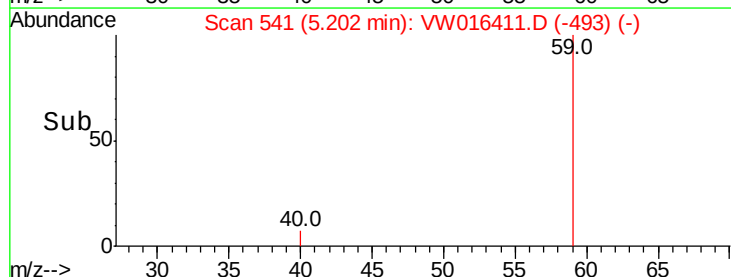
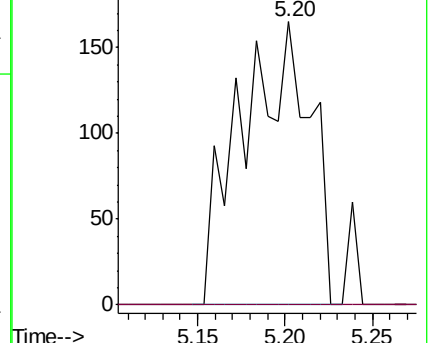
59 100

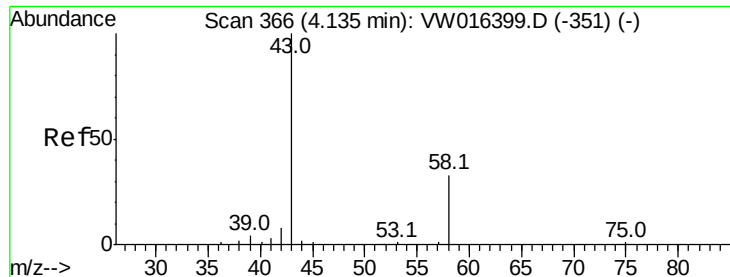
57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 10.296 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.01 min

Lab File: VW016411.D

Acq: 31 Aug 2020 15:07

Instrument :

MSVOA_W

ClientSampleId :

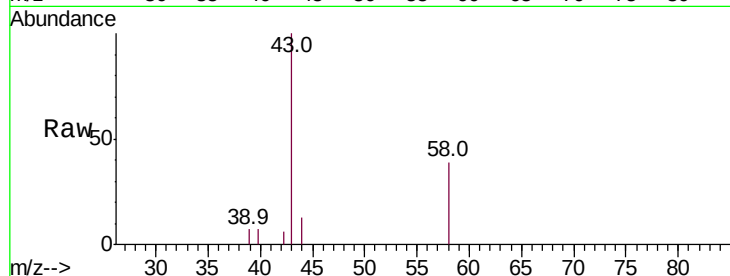
LINDEN-JOP-BH-10-B

Tot Ion: 43 Resp: 2548

Ion Ratio Lower Upper

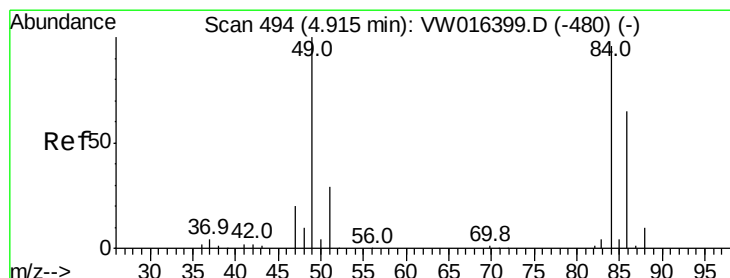
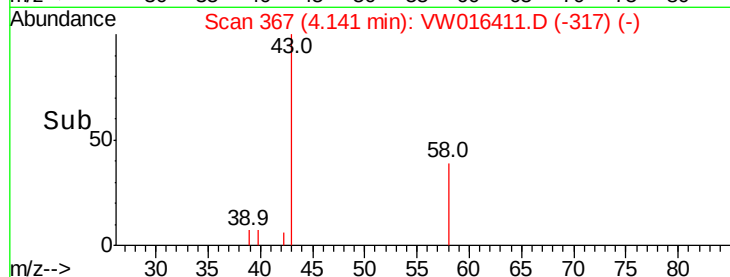
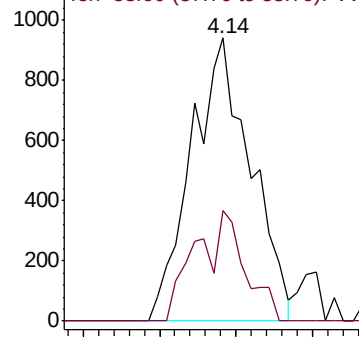
43 100

58 38.9 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: 1.657 ug/l

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW016411.D

Acq: 31 Aug 2020 15:07

Tgt Ion: 84 Resp: 11162

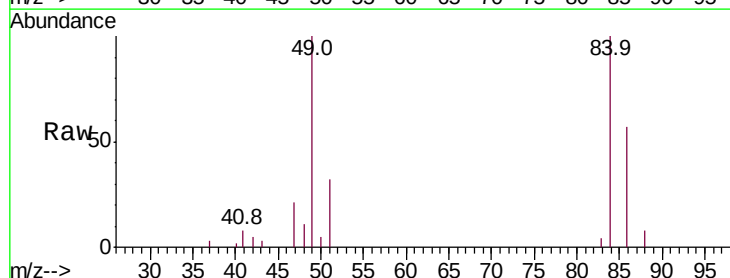
Ion Ratio Lower Upper

84 100

49 100.2 83.2 124.8

51 32.4 24.4 36.6

86 57.6 54.2 81.2

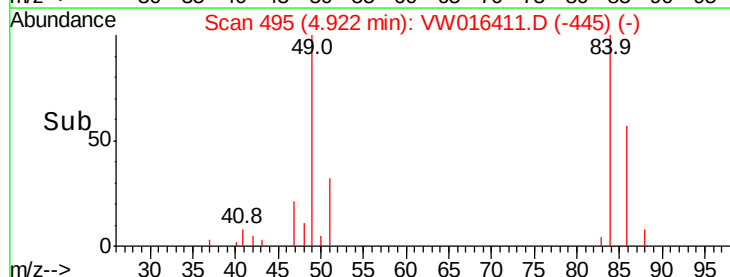
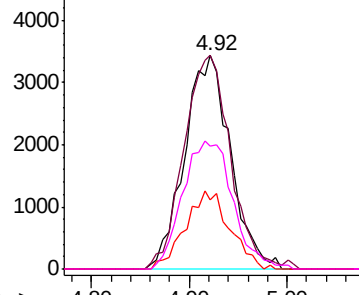


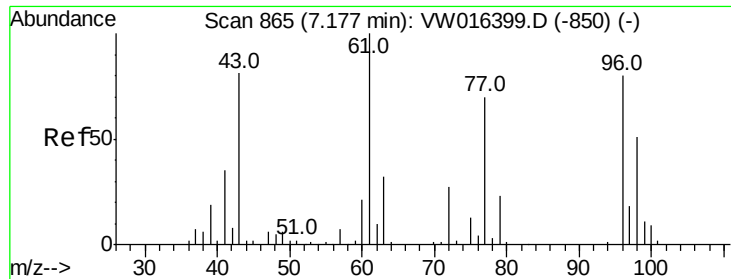
Abundance Ion 83.90 (83.60 to 84.60): VW

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: 2.984 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.03 min

Lab File: VW016411.D

Acq: 31 Aug 2020 15:07

Instrument :

MSVOA_W

ClientSampleId :

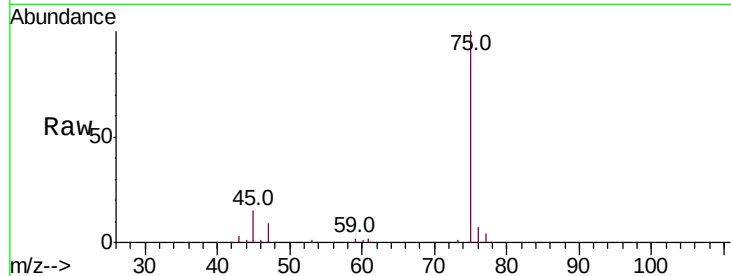
LINDEN-JOP-BH-10-B

Tot Ion: 43 Resp: 1002

Ion Ratio Lower Upper

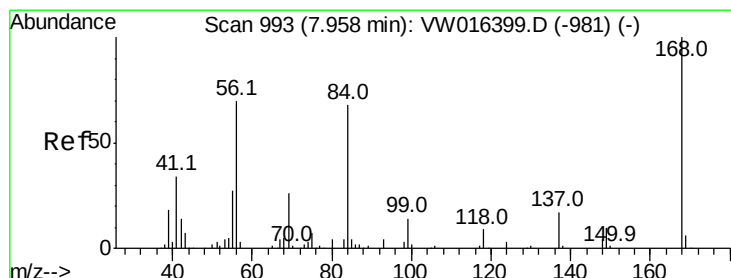
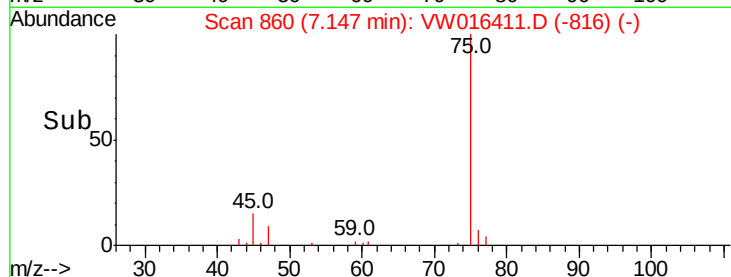
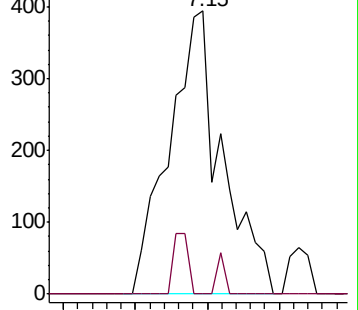
43 100

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



#31

Cyclohexane

Concen: 1.202 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW016411.D

Acq: 31 Aug 2020 15:07

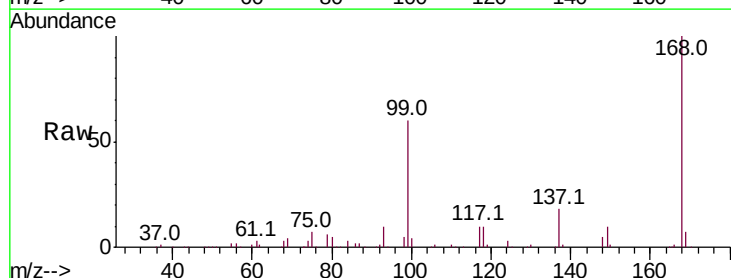
Tgt Ion: 56 Resp: 2722

Ion Ratio Lower Upper

56 100

69 175.1 30.0 45.0#

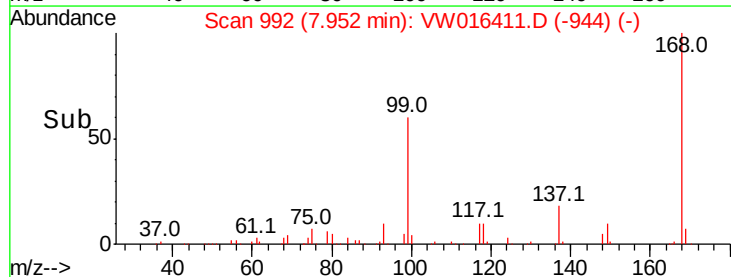
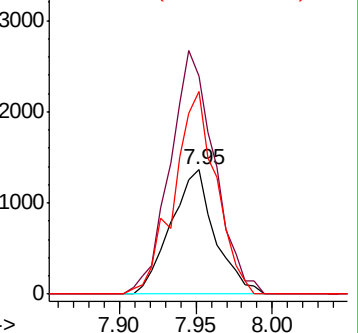
84 163.0 77.4 116.2#

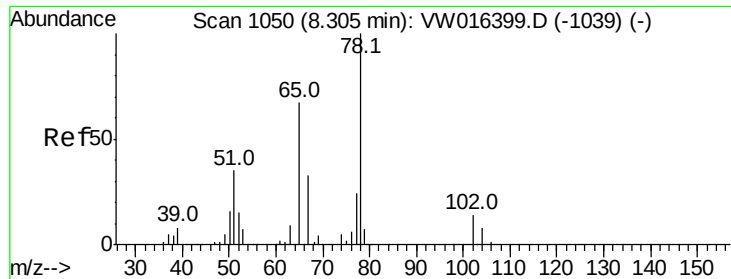


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW

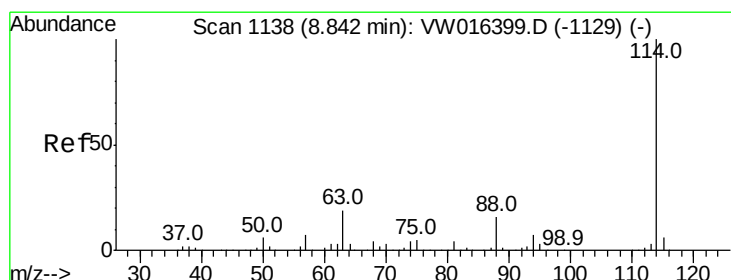
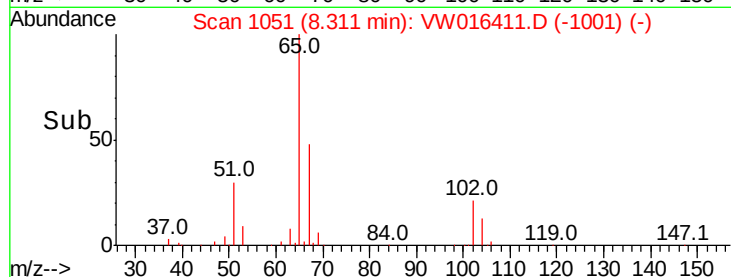
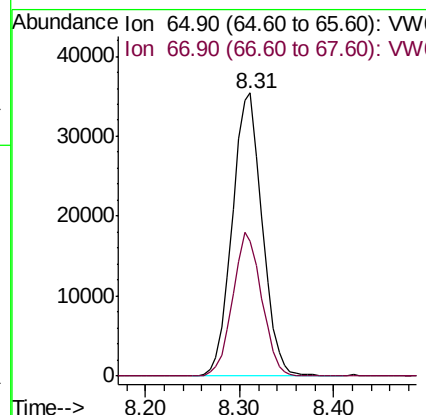
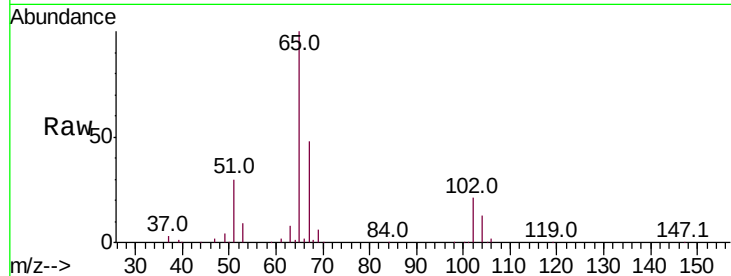




#33
 1,2-Dichloroethane-d4
 Concen: 53.615 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. 0.01 min
 Lab File: VW016411.D
 Acq: 31 Aug 2020 15:07

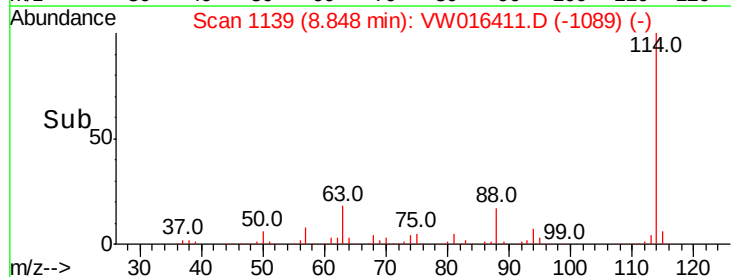
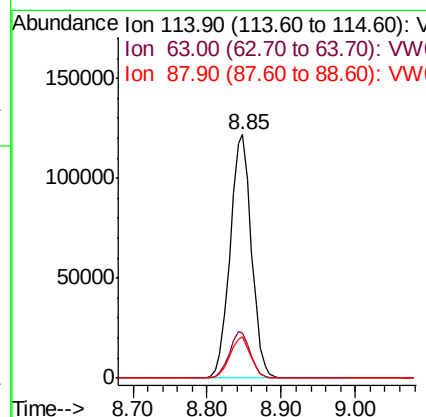
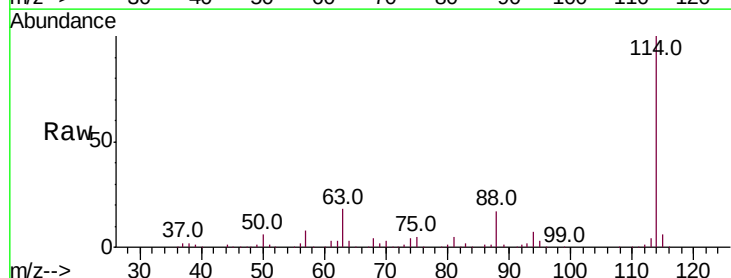
Instrument :
 MSVOA_W
 ClientSampleId :
 LINDEN-JOP-BH-10-B

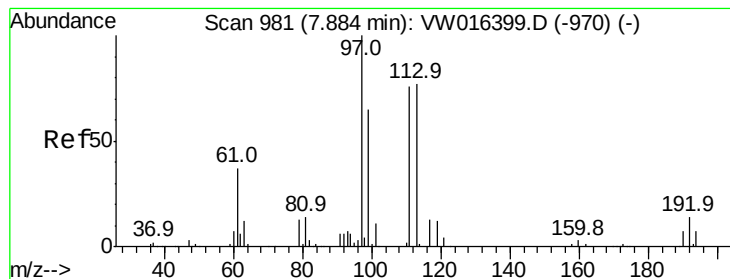
Tot Ion: 65 Resp: 78135
 Ion Ratio Lower Upper
 65 100
 67 49.0 0.0 100.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.01 min
 Lab File: VW016411.D
 Acq: 31 Aug 2020 15:07

Tgt Ion: 114 Resp: 243100
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 37.8
 88 17.2 0.0 31.2





#35

Dibromofluoromethane

Concen: 49.032 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW016411.D

Acq: 31 Aug 2020 15:07

Instrument :

MSVOA_W

ClientSampleId :

LINDEN-JOP-BH-10-B

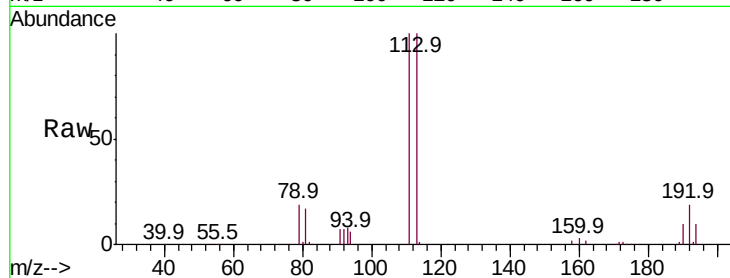
Tot Ion:113 Resp: 75449

Ion Ratio Lower Upper

113 100

111 104.7 82.1 123.1

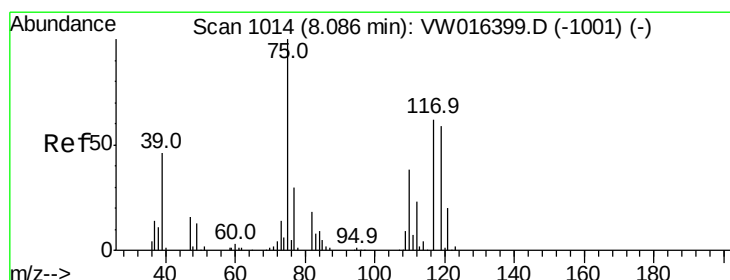
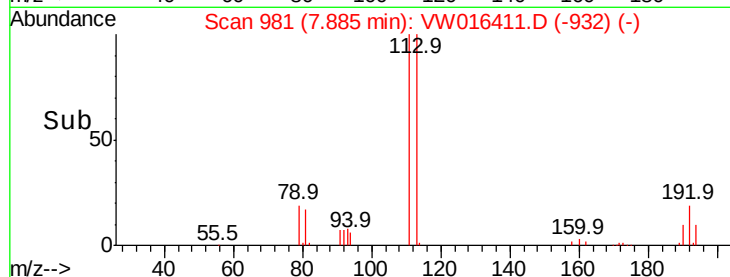
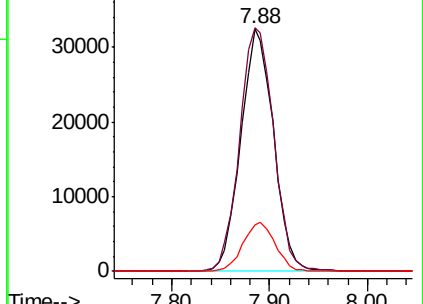
192 20.0 15.5 23.3



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: 4.605 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.14 min

Lab File: VW016411.D

Acq: 31 Aug 2020 15:07

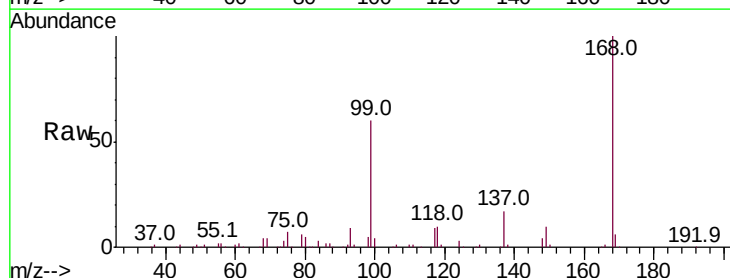
Tgt Ion: 75 Resp: 10653

Ion Ratio Lower Upper

75 100

110 10.6 18.6 56.0#

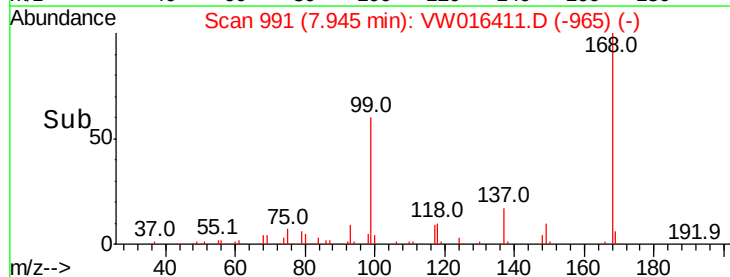
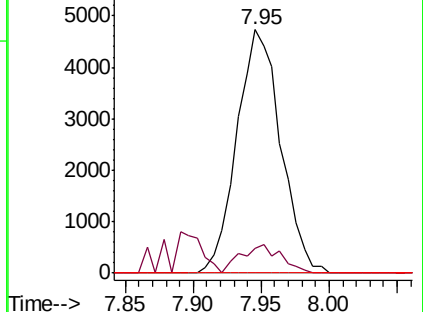
77 0.0 25.1 37.7#

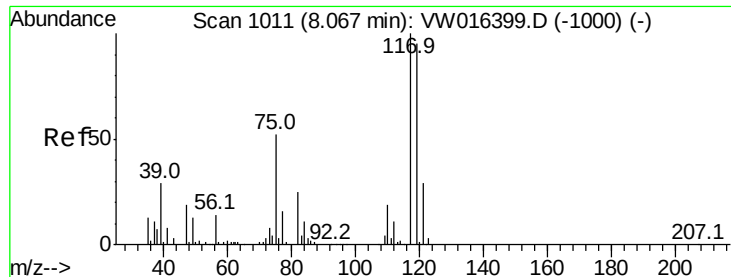


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

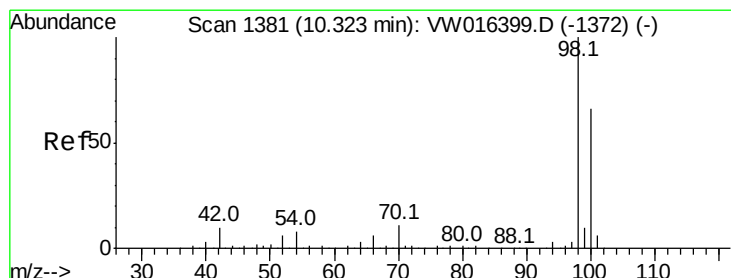
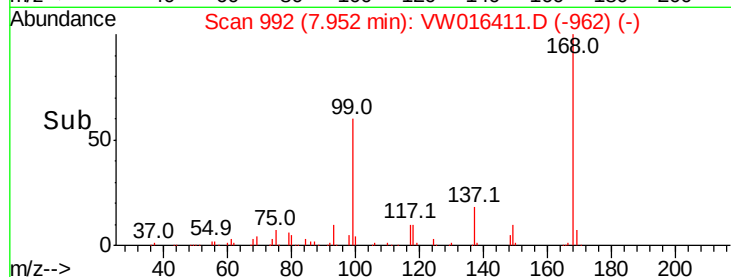
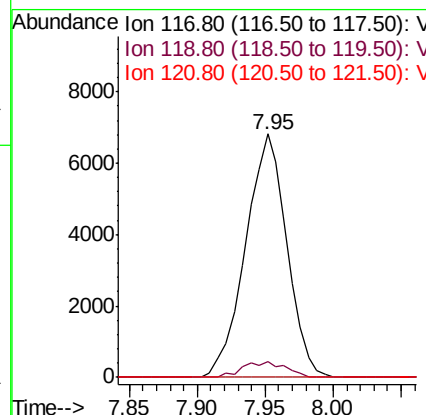
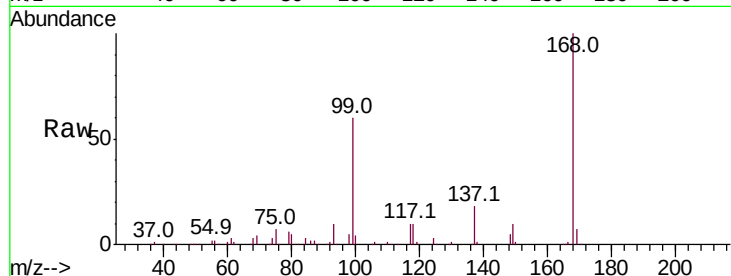




#38
Carbon Tetrachloride
Concen: 5.701 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW016411.D
Acq: 31 Aug 2020 15:07

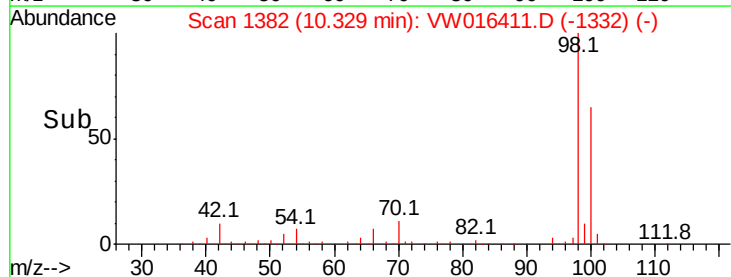
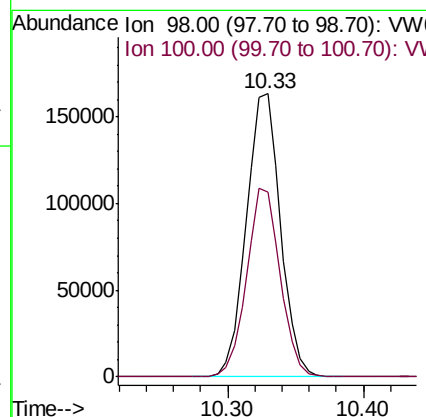
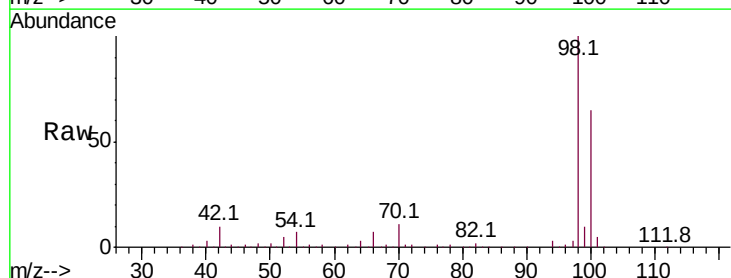
Instrument :
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ClientSampleId :
LINDEN-JOP-BH-10-B

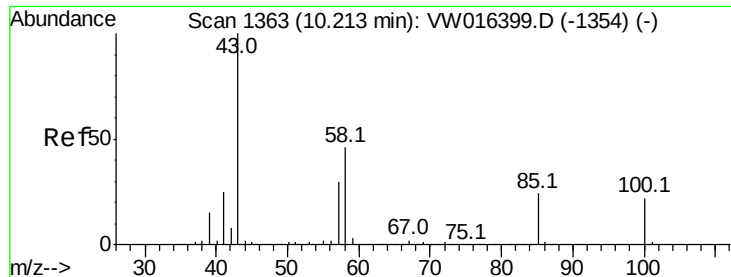
Tot Ion:117 Resp: 14453
Ion Ratio Lower Upper
117 100
119 6.3 76.3 114.5#
121 0.0 23.0 34.6#



#50
Toluene-d8
Concen: 49.904 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. 0.01 min
Lab File: VW016411.D
Acq: 31 Aug 2020 15:07

Tgt Ion: 98 Resp: 287553
Ion Ratio Lower Upper
98 100
100 65.4 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 1.786 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW016411.D

Acq: 31 Aug 2020 15:07

Instrument :

MSVOA_W

ClientSampleId :

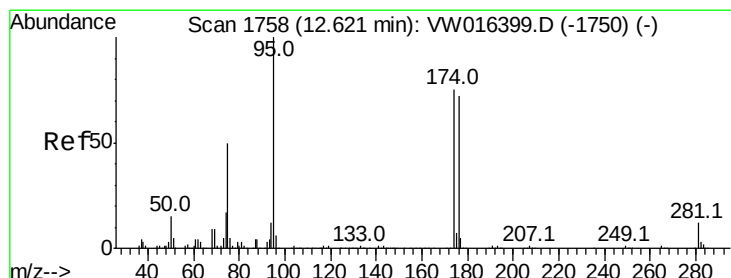
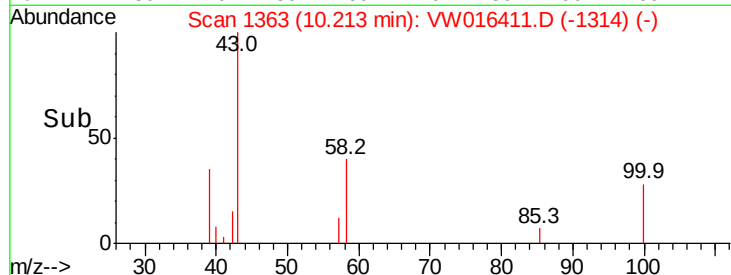
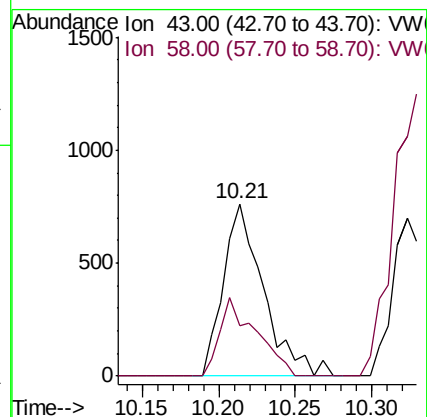
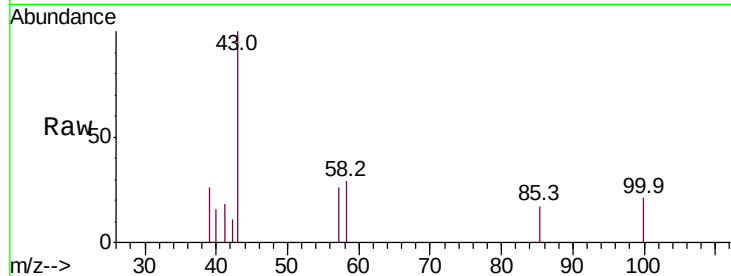
LINDEN-JOP-BH-10-B

Tot Ion: 43 Resp: 1381

Ion Ratio Lower Upper

43 100

58 41.9 35.4 53.0



#62

4-Bromofluorobenzene

Concen: 47.781 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW016411.D

Acq: 31 Aug 2020 15:07

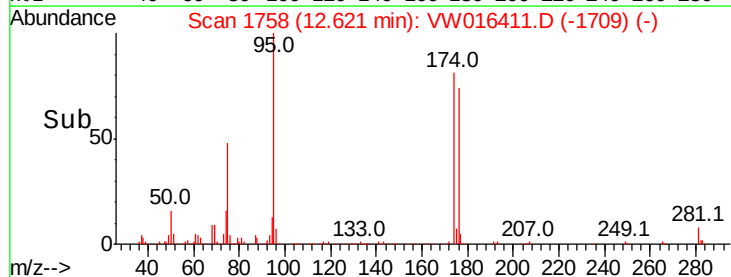
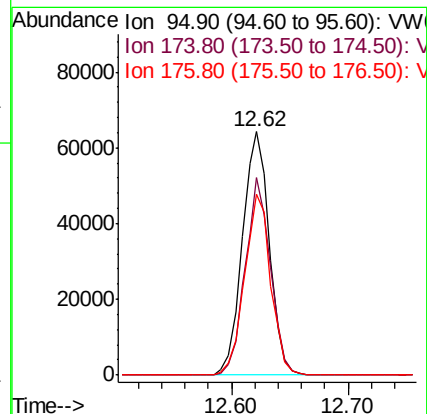
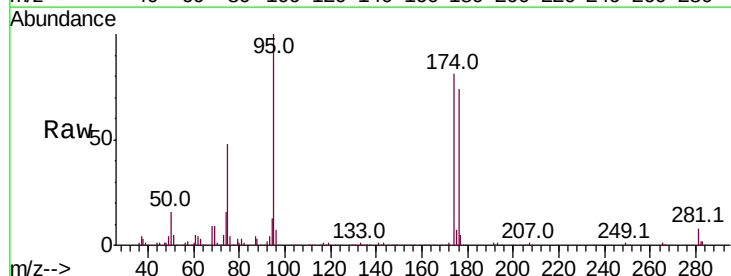
Tgt Ion: 95 Resp: 103242

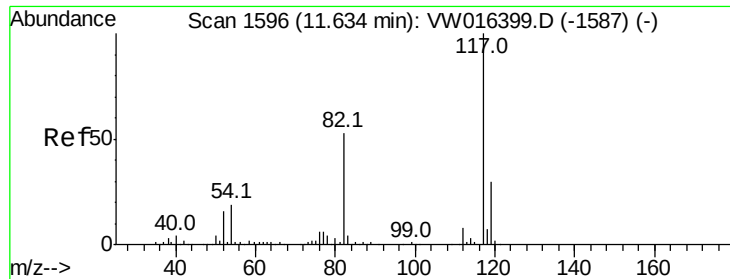
Ion Ratio Lower Upper

95 100

174 76.4 0.0 152.0

176 72.3 0.0 145.6

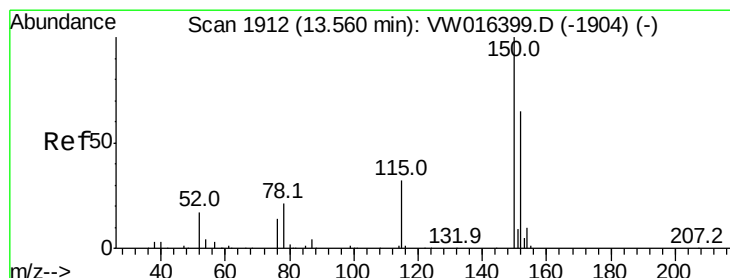
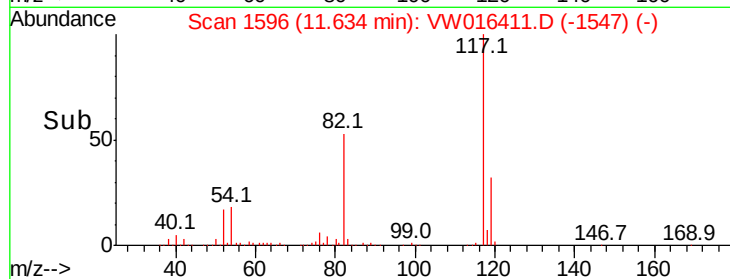
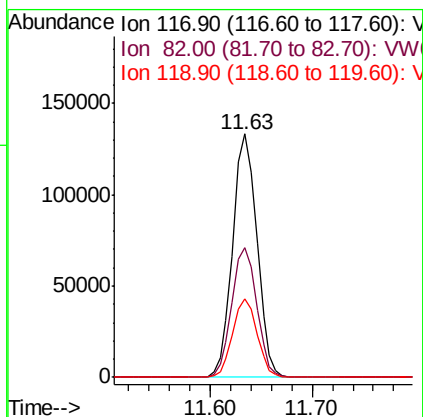
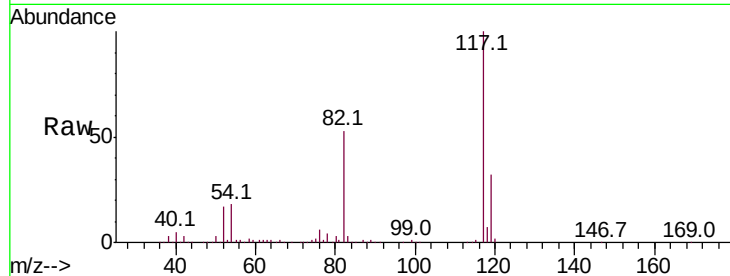




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW016411.D
Acq: 31 Aug 2020 15:07

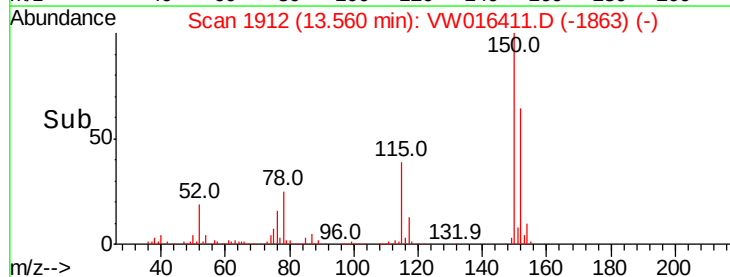
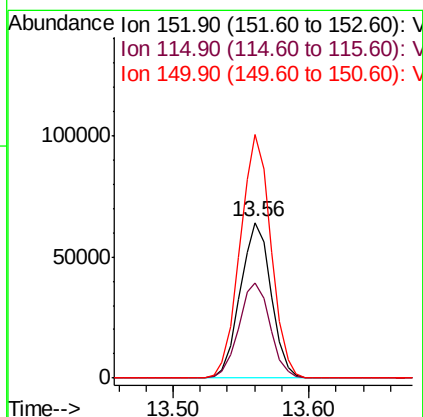
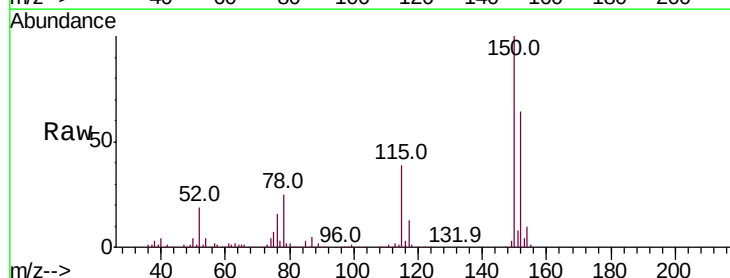
Instrument :
MSVOA_W
ClientSampleId :
LINDEN-JOP-BH-10-B

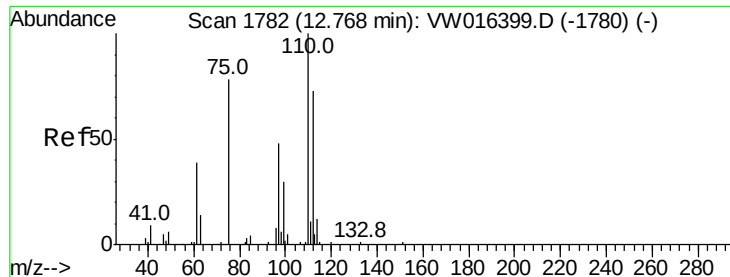
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.3	42.2	63.4
119	32.4	24.2	36.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW016411.D
Acq: 31 Aug 2020 15:07

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.4	30.9	92.5
150	157.1	0.0	351.0





#76

1,2,3-Trichloropropane

Concen: 57.258 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW016411.D

Acq: 31 Aug 2020 15:07

Instrument :

MSVOA_W

ClientSampleId :

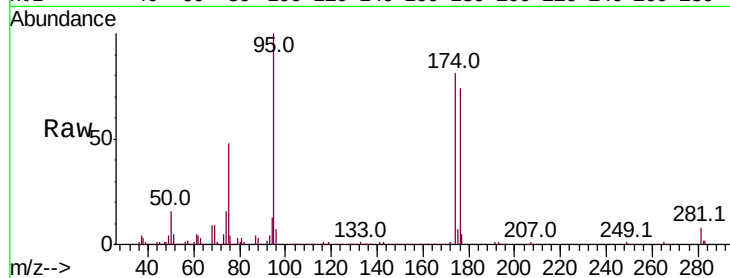
LINDEN-JOP-BH-10-B

Tot Ion: 75 Resp: 51145

Ion Ratio Lower Upper

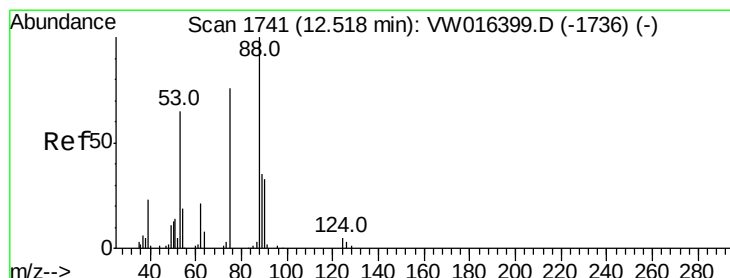
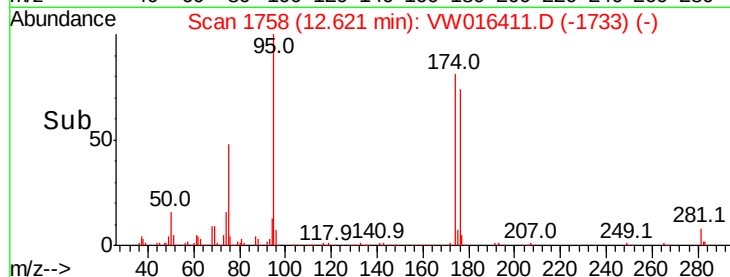
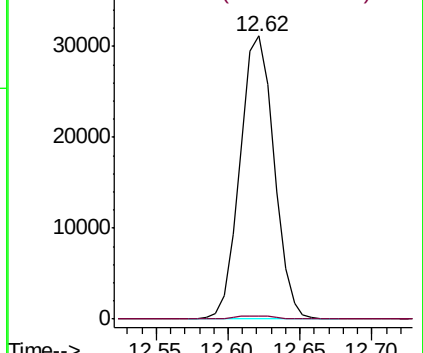
75 100

77 1.3 173.4 520.2#



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: 127.123 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW016411.D

Acq: 31 Aug 2020 15:07

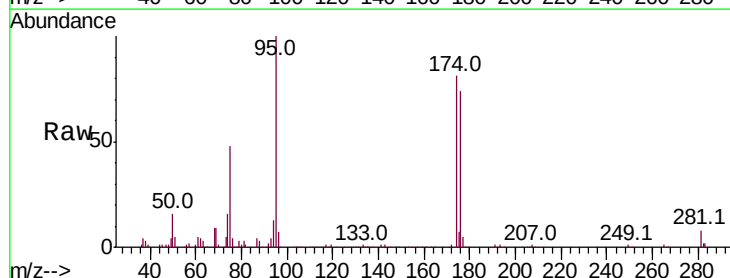
Tgt Ion: 75 Resp: 51145

Ion Ratio Lower Upper

75 100

53 0.0 75.2 112.8#

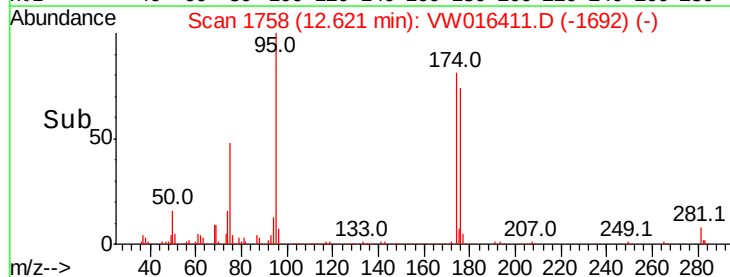
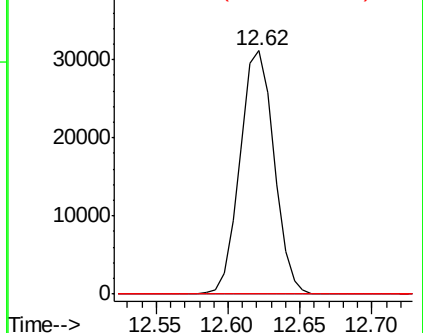
89 0.0 40.4 60.6#

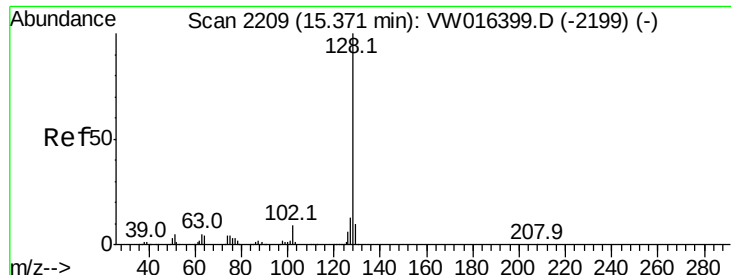


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW





#95

Naphthalene

Concen: 56.228 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW016411.D

Acq: 31 Aug 2020 15:07

Instrument :

MSVOA_W

ClientSampleId :

LINDEN-JOP-BH-10-B

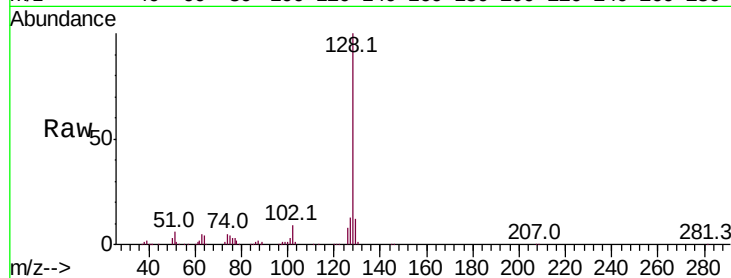
Tot Ion:128 Resp: 205654

Ion Ratio Lower Upper

128 100

127 13.2 10.2 15.4

129 10.7 8.3 12.5



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

