

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW083120\
 Data File : VW016419.D
 Acq On : 31 Aug 2020 18:30
 Operator : SY/VA
 Sample : L3848-06
 Misc : 4.43G/5ML/MSVOA W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 LINDEN-BH-02-B

Quant Time: Sep 01 03:00:07 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	136538	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	236447	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	213890	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	93842	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	76955	56.30	ug/l	0.00
Spiked Amount			Recovery	=	112.60%	
35) Dibromofluoromethane	7.88	113	75926	50.73	ug/l	0.00
Spiked Amount			Recovery	=	101.46%	
50) Toluene-d8	10.33	98	279013	49.78	ug/l	0.00
Spiked Amount			Recovery	=	99.56%	
62) 4-Bromofluorobenzene	12.62	95	100031	47.60	ug/l	0.00
Spiked Amount			Recovery	=	95.20%	

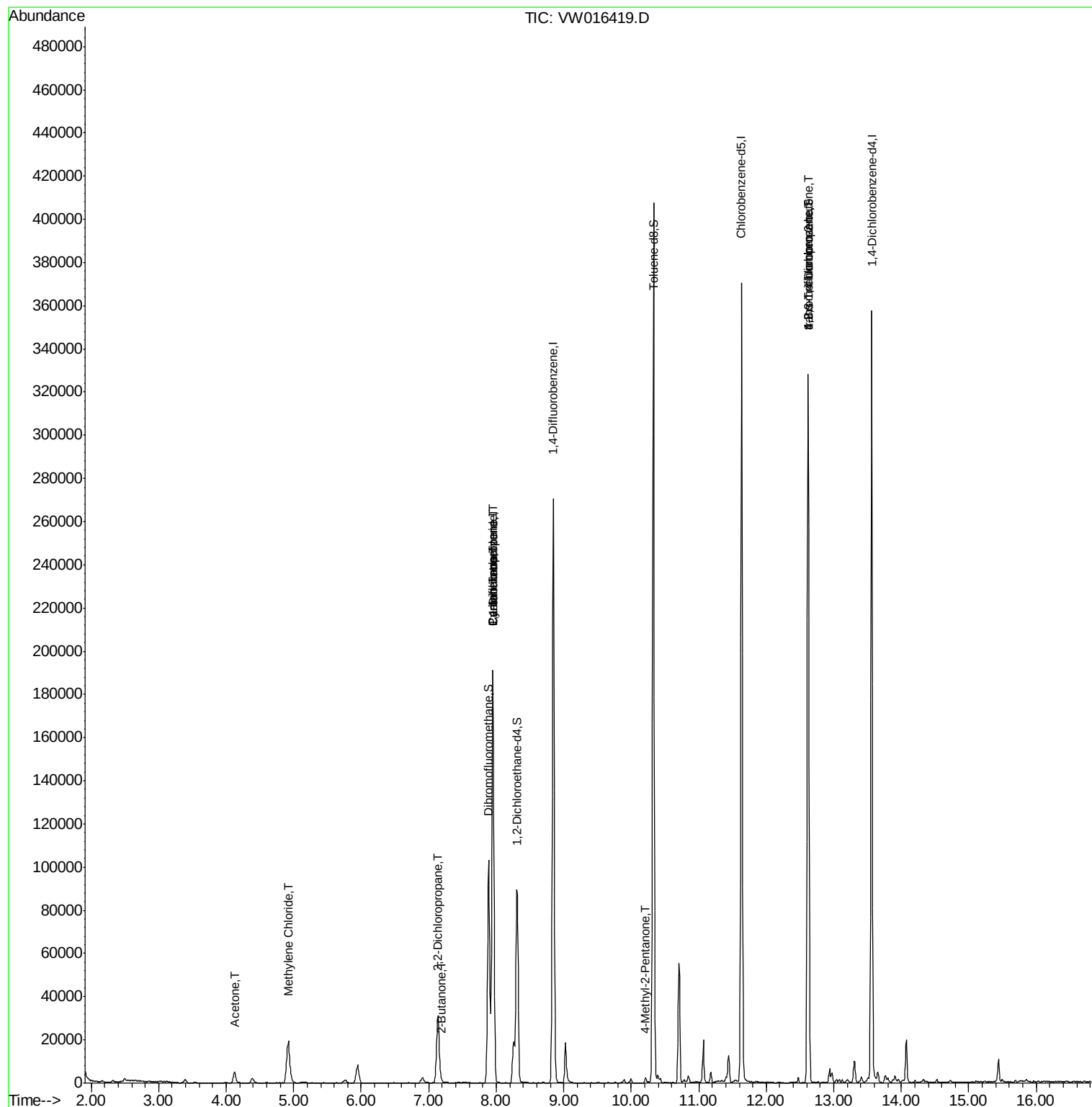
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.15	59	796	Below Cal	#	72
16) Acetone	4.12	43	9297	40.056	ug/l	98
20) Methylene Chloride	4.92	84	16683	6.451	ug/l	97
25) 2-Butanone	7.19	43	1216	3.861	ug/l #	60
26) 2,2-Dichloropropane	7.13	77	2270	1.268	ug/l #	52
31) Cyclohexane	7.95	56	2894	1.362	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	10187	4.527	ug/l #	48
38) Carbon Tetrachloride	7.95	117	14659	5.945	ug/l #	17
51) 4-Methyl-2-Pentanone	10.21	43	1802	2.396	ug/l	91
76) 1,2,3-Trichloropropane	12.62	75	49842	60.065	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	49842	133.355	ug/l #	12

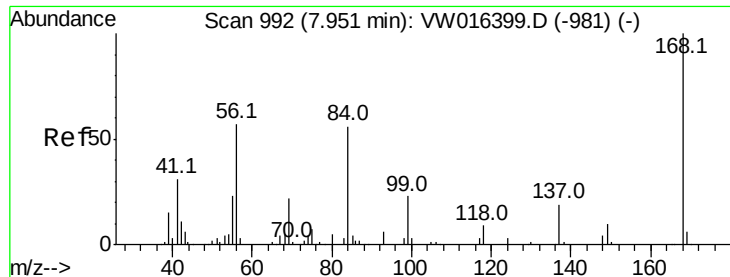
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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: VW016419.D

Acq: 31 Aug 2020 18:30

Instrument :

MSVOA_W

ClientSampleId :

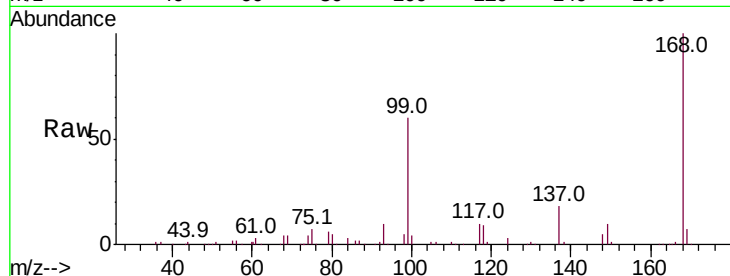
LINDEN-BH-02-B

Tot Ion:168 Resp: 136538

Ion Ratio Lower Upper

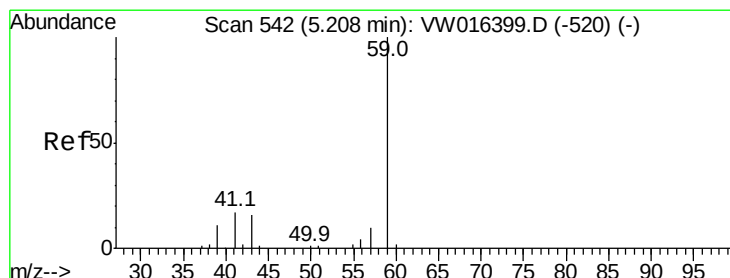
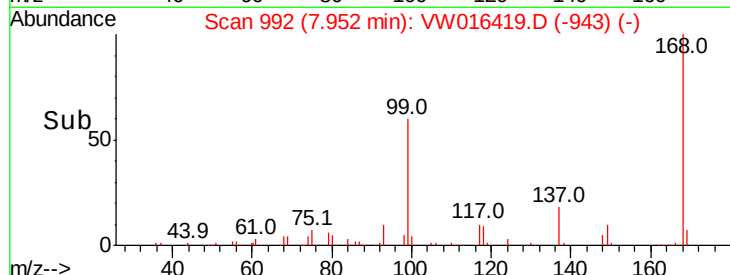
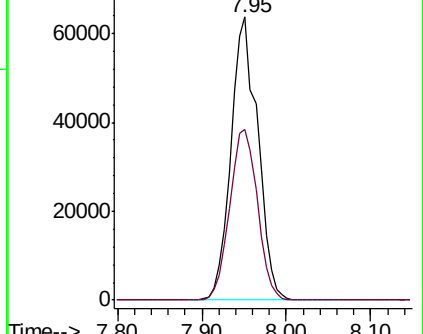
168 100

99 60.2 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: VW016419.D

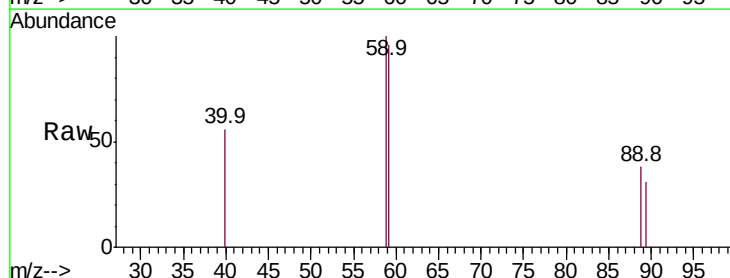
Acq: 31 Aug 2020 18:30

Tgt Ion: 59 Resp: 796

Ion Ratio Lower Upper

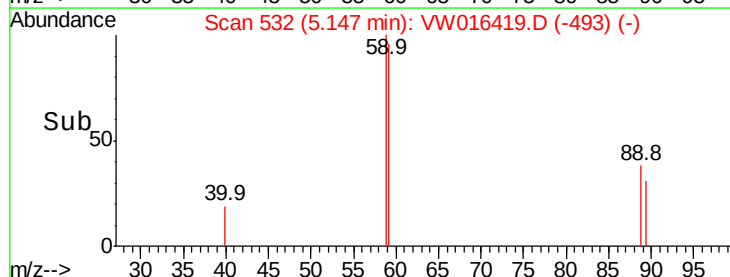
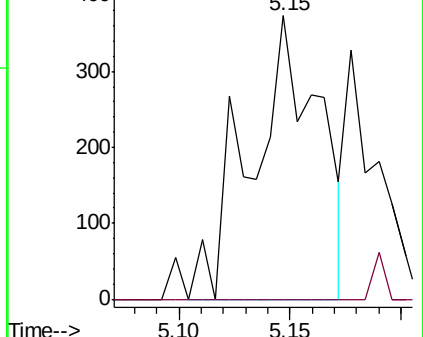
59 100

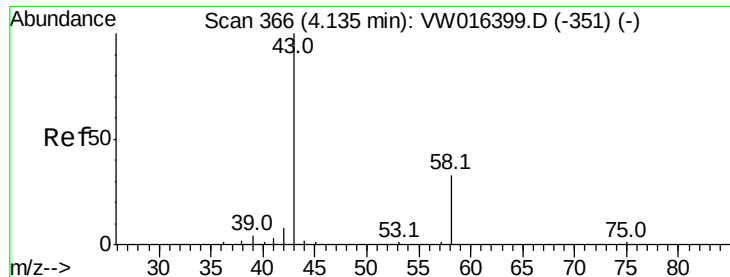
57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 40.056 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW016419.D

Acq: 31 Aug 2020 18:30

Instrument :

MSVOA_W

ClientSampleId :

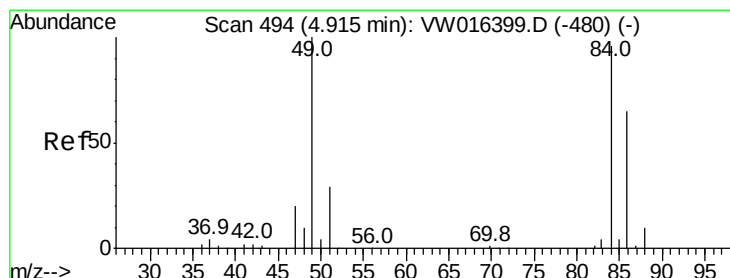
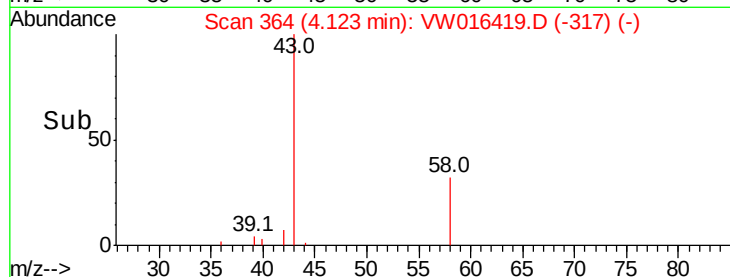
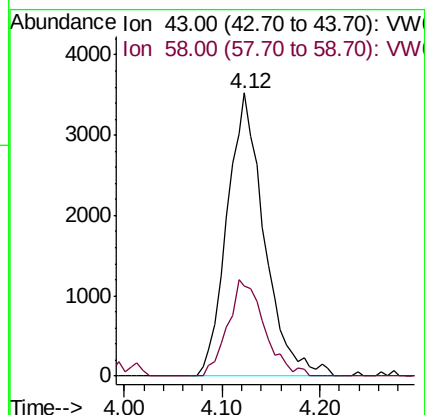
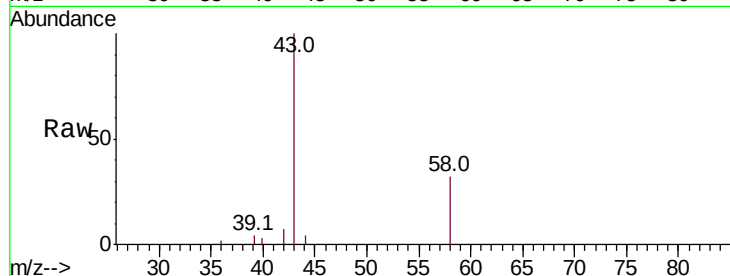
LINDEN-BH-02-B

Tot Ion: 43 Resp: 9297

Ion Ratio Lower Upper

43 100

58 31.8 26.6 39.8



#20

Methylene Chloride

Concen: 6.451 ug/l

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW016419.D

Acq: 31 Aug 2020 18:30

Tgt Ion: 84 Resp: 16683

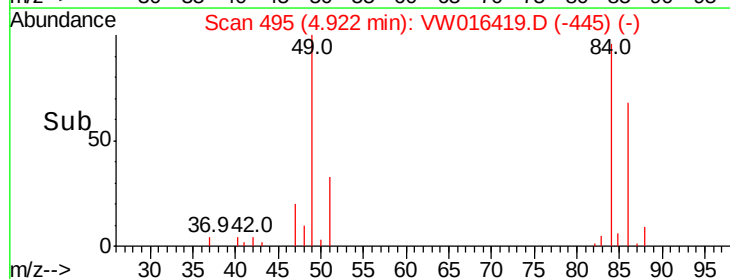
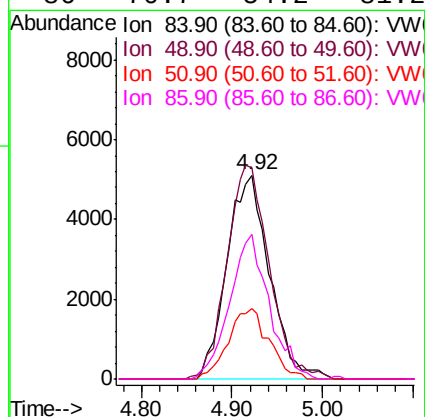
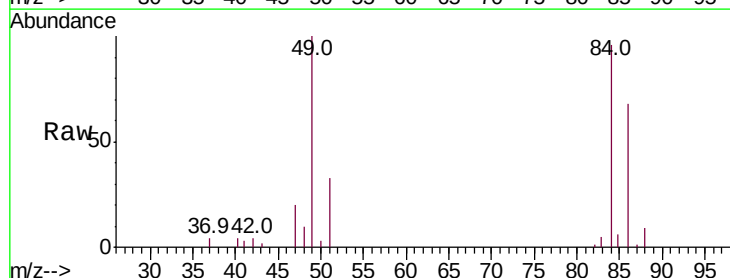
Ion Ratio Lower Upper

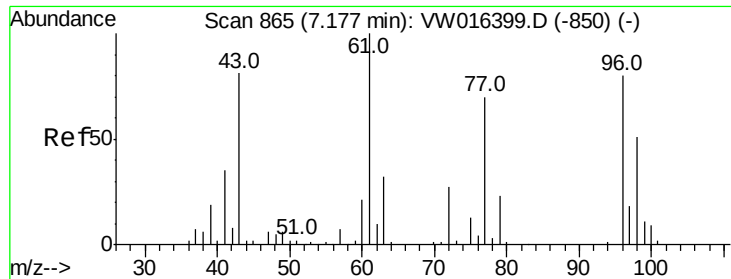
84 100

49 103.8 83.2 124.8

51 34.8 24.4 36.6

86 70.7 54.2 81.2





#25

2-Butanone

Concen: 3.861 ug/l

RT: 7.19 min Scan# 867

Delta R.T. 0.01 min

Lab File: VW016419.D

Acq: 31 Aug 2020 18:30

Instrument :

MSVOA_W

ClientSampleId :

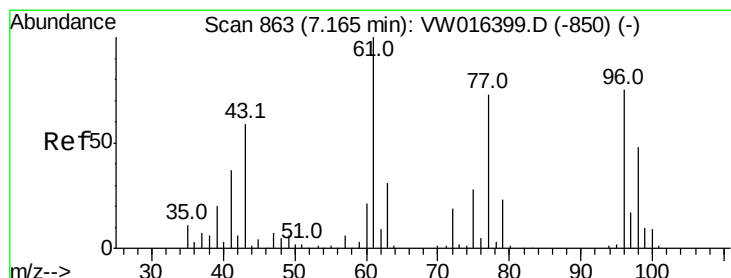
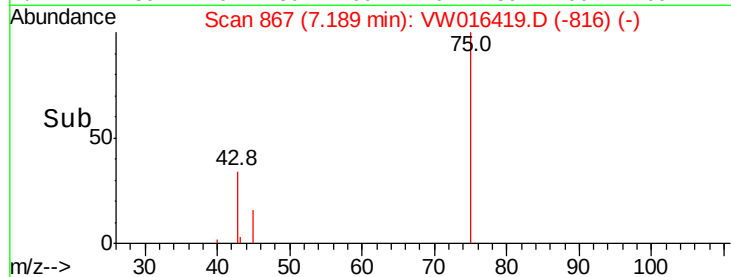
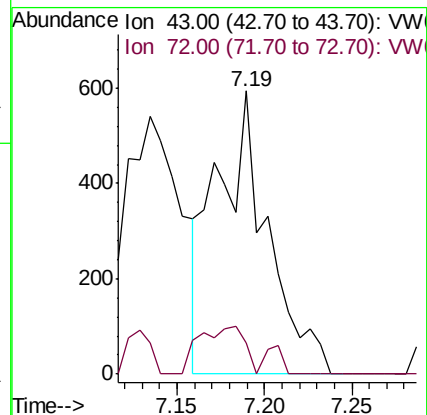
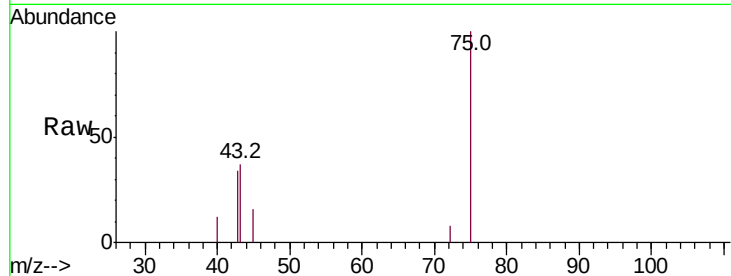
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Tot Ion: 43 Resp: 1216

Ion Ratio Lower Upper

43 100

72 10.9 26.7 40.1#



#26

2,2-Dichloropropane

Concen: 1.268 ug/l

RT: 7.13 min Scan# 858

Delta R.T. -0.03 min

Lab File: VW016419.D

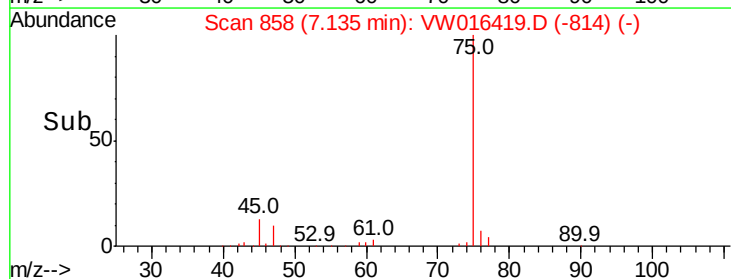
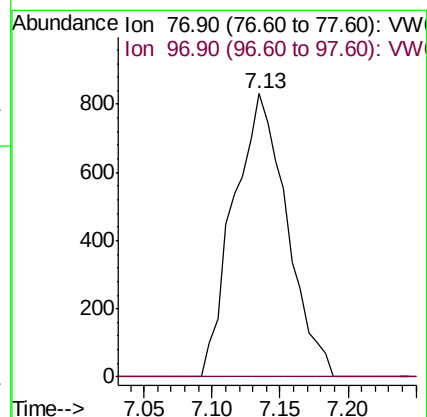
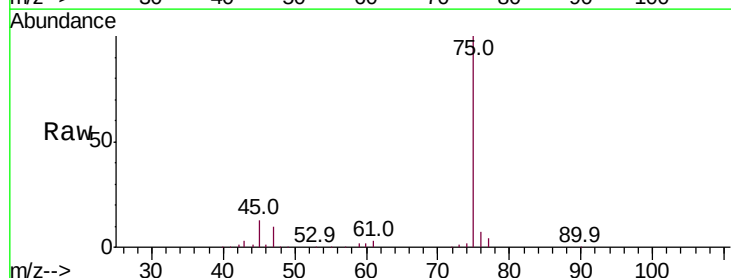
Acq: 31 Aug 2020 18:30

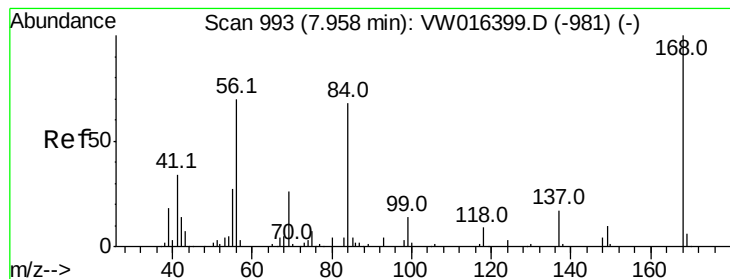
Tgt Ion: 77 Resp: 2270

Ion Ratio Lower Upper

77 100

97 0.0 11.7 35.0#





#31

Cyclohexane

Concen: 1.362 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW016419.D

Acq: 31 Aug 2020 18:30

Instrument :

MSVOA_W

ClientSampleId :

LINDEN-BH-02-B

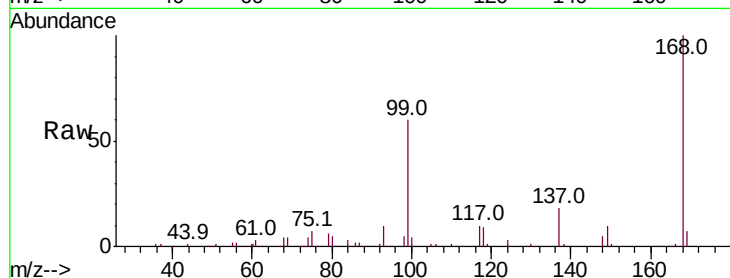
Tot Ion: 56 Resp: 2894

Ion Ratio Lower Upper

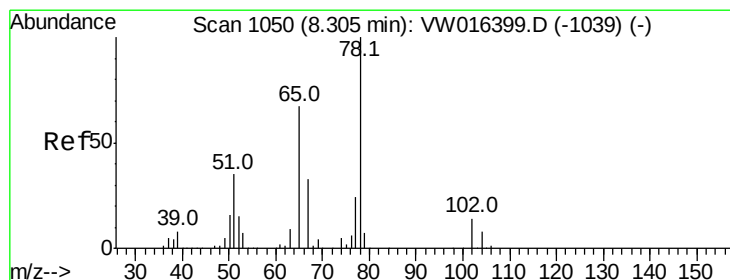
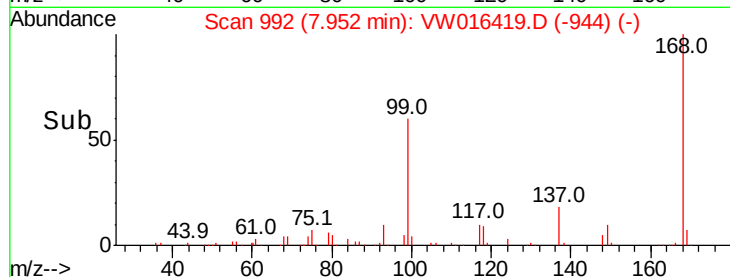
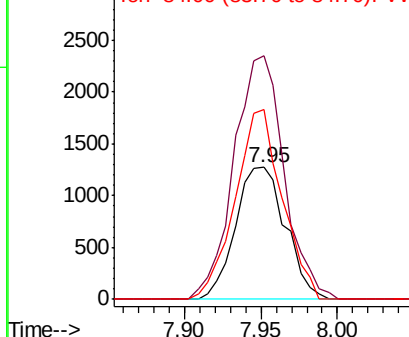
56 100

69 184.5 30.0 45.0#

84 143.6 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: 56.303 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW016419.D

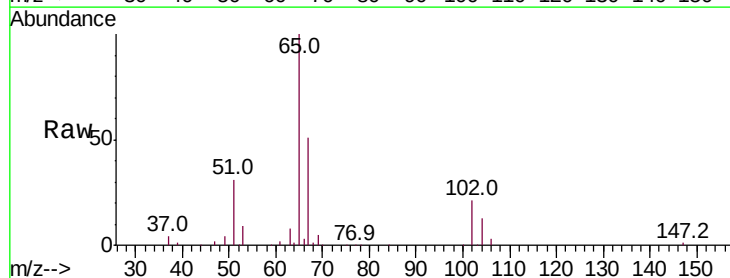
Acq: 31 Aug 2020 18:30

Tgt Ion: 65 Resp: 76955

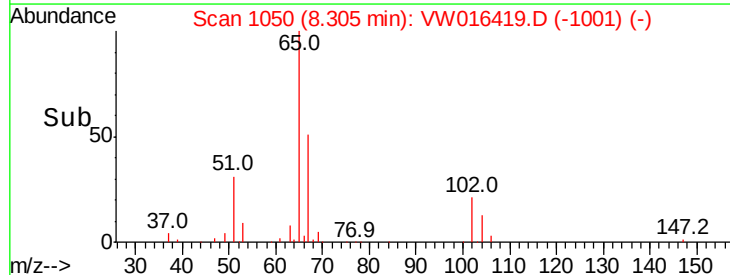
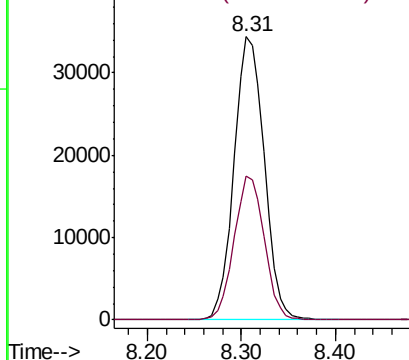
Ion Ratio Lower Upper

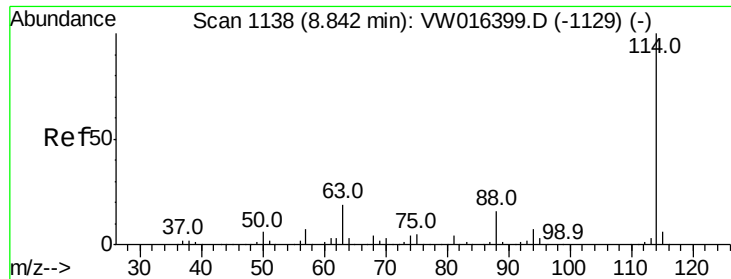
65 100

67 50.9 0.0 100.2



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

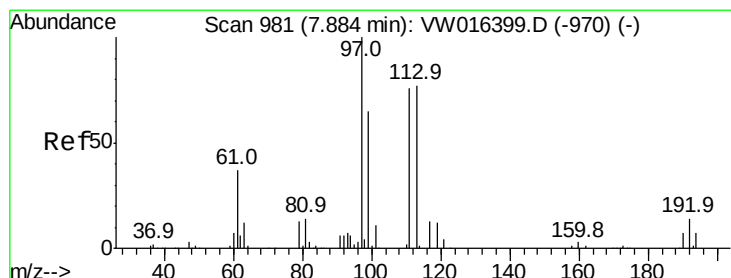
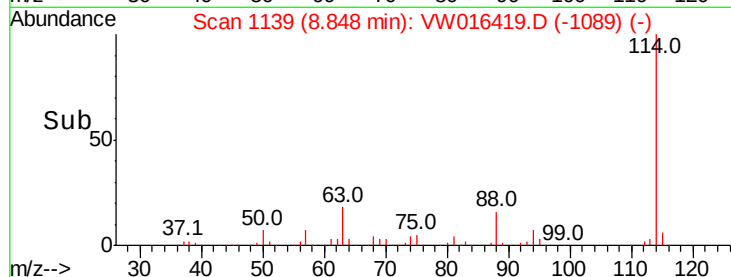
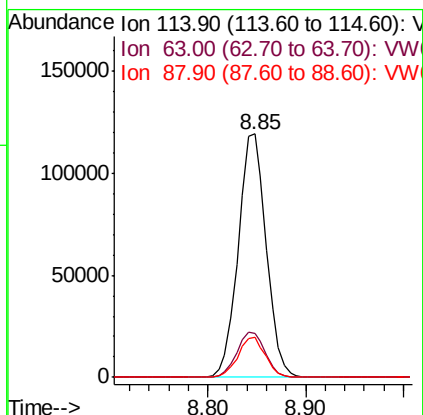
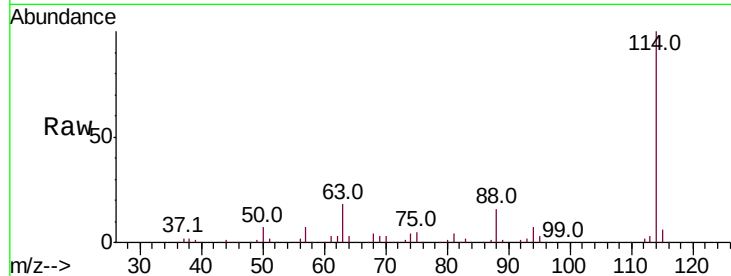




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.01 min
 Lab File: VW016419.D
 Acq: 31 Aug 2020 18:30

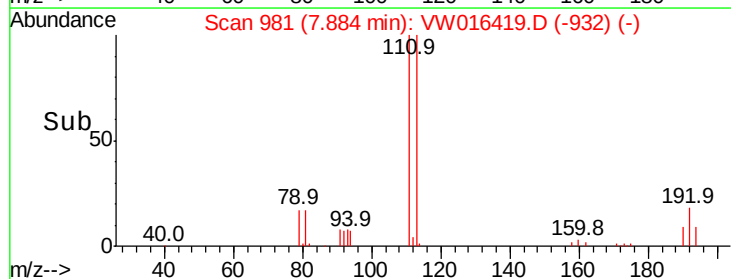
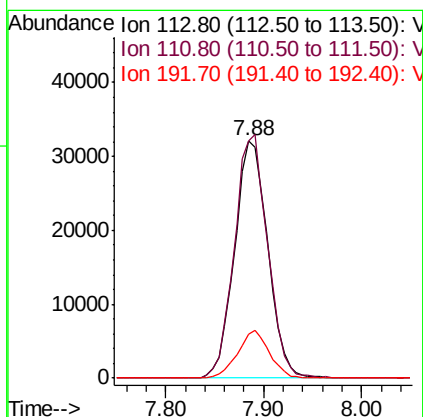
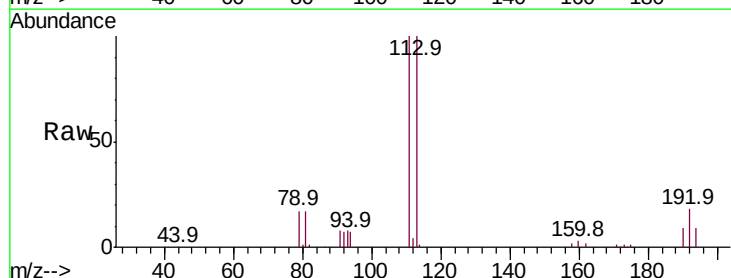
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 LINDEN-BH-02-B

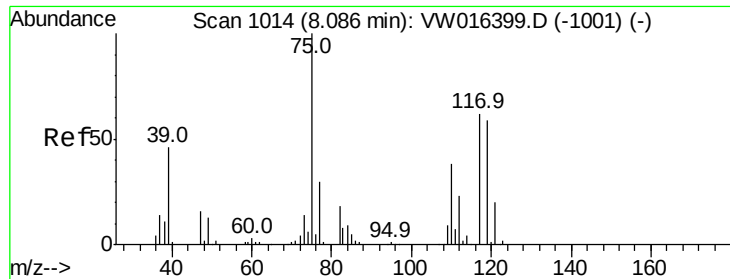
Tot Ion:114 Resp: 236447
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 37.8
 88 16.3 0.0 31.2



#35
 Dibromofluoromethane
 Concen: 50.731 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW016419.D
 Acq: 31 Aug 2020 18:30

Tgt Ion:113 Resp: 75926
 Ion Ratio Lower Upper
 113 100
 111 102.3 82.1 123.1
 192 19.1 15.5 23.3

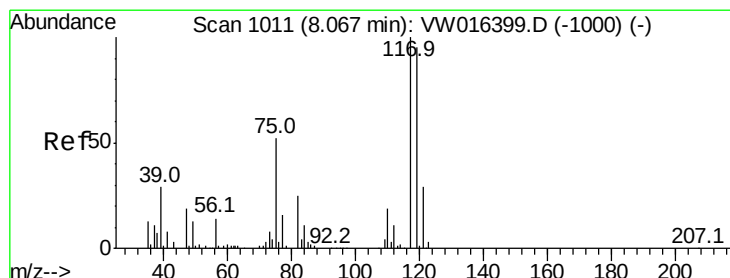
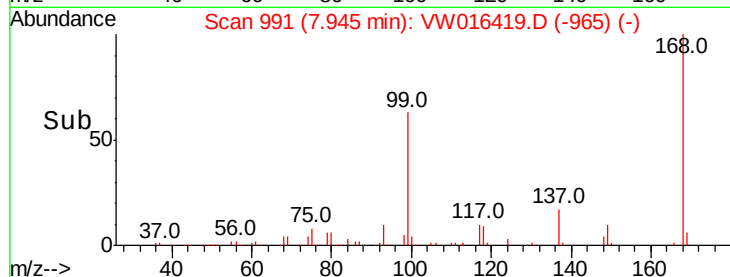
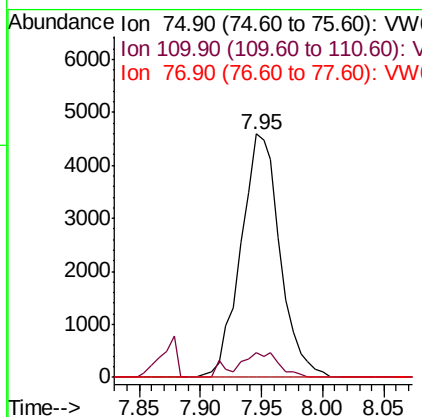
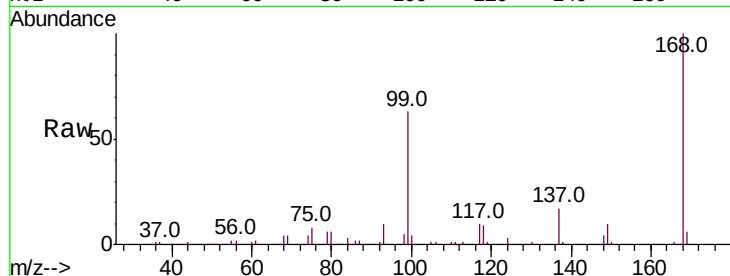




#36
 1,1-Dichloropropene
 Concen: 4.527 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.14 min
 Lab File: VW016419.D
 Acq: 31 Aug 2020 18:30

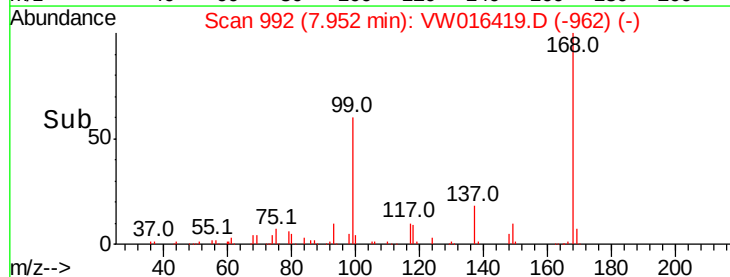
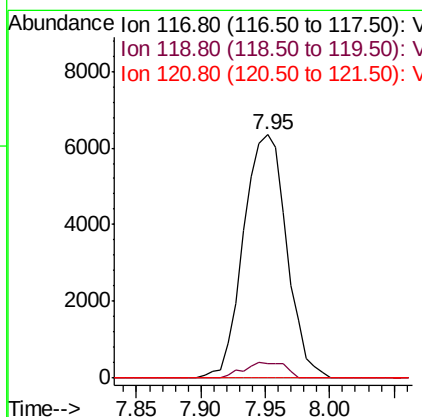
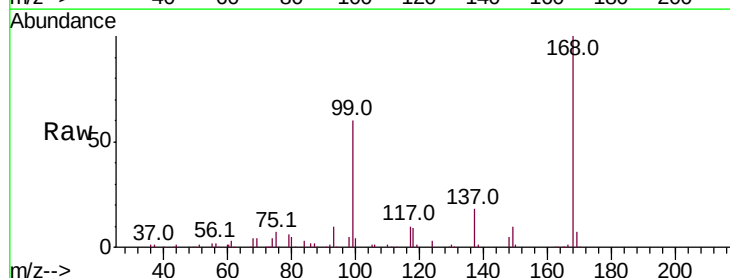
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 LINDEN-BH-02-B

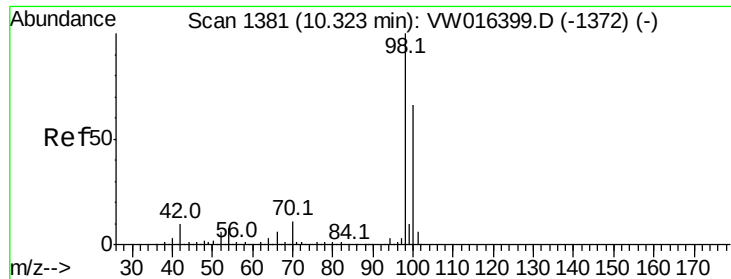
Tot Ion: 75 Resp: 10187
 Ion Ratio Lower Upper
 75 100
 110 9.2 18.6 56.0#
 77 0.0 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 5.945 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW016419.D
 Acq: 31 Aug 2020 18:30

Tgt Ion: 117 Resp: 14659
 Ion Ratio Lower Upper
 117 100
 119 6.2 76.3 114.5#
 121 0.0 23.0 34.6#

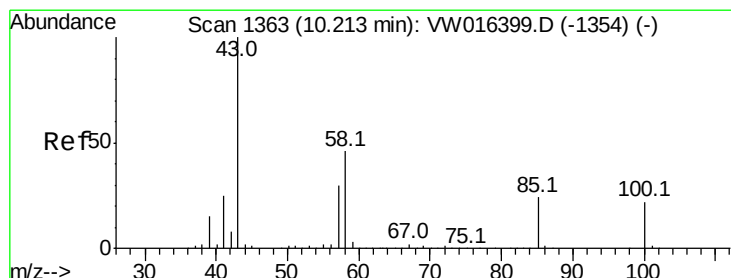
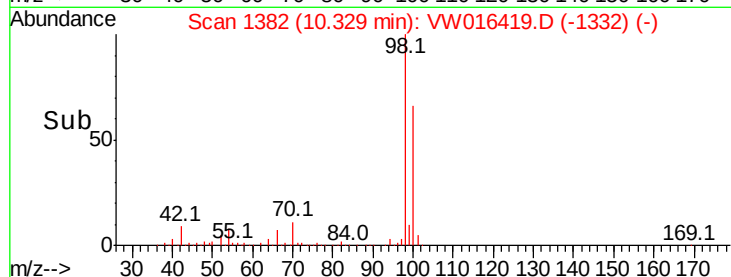
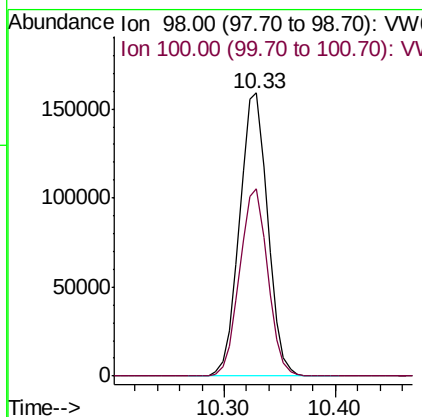
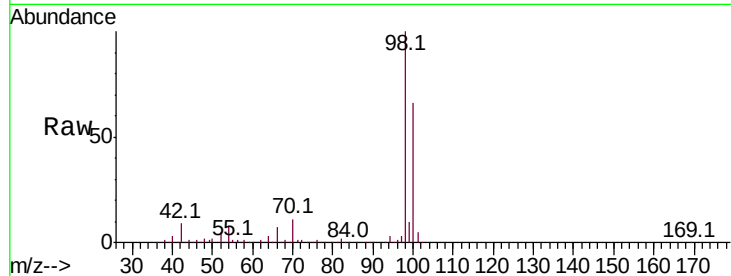




#50
Toluene-d8
Concen: 49.785 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. 0.01 min
Lab File: VW016419.D
Acq: 31 Aug 2020 18:30

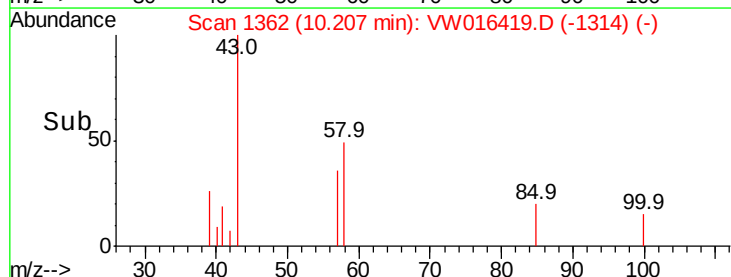
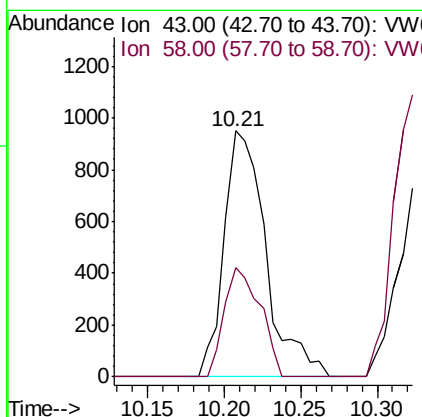
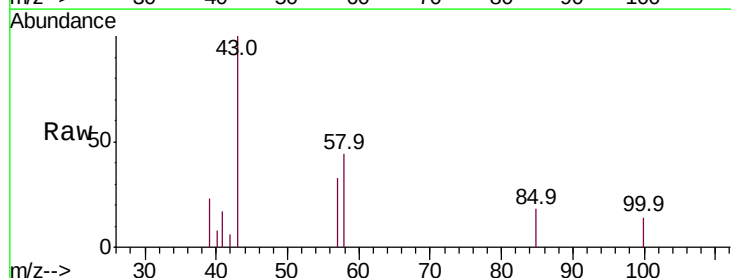
Instrument :
MSVOA_W
ClientSampleId :
LINDEN-BH-02-B

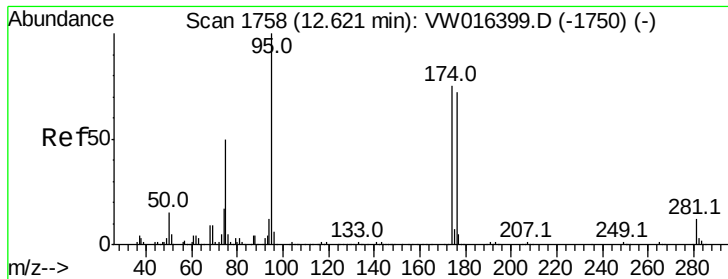
Tot Ion: 98 Resp: 279013
Ion Ratio Lower Upper
98 100
100 66.0 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 2.396 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. -0.01 min
Lab File: VW016419.D
Acq: 31 Aug 2020 18:30

Tgt Ion: 43 Resp: 1802
Ion Ratio Lower Upper
43 100
58 38.1 35.4 53.0

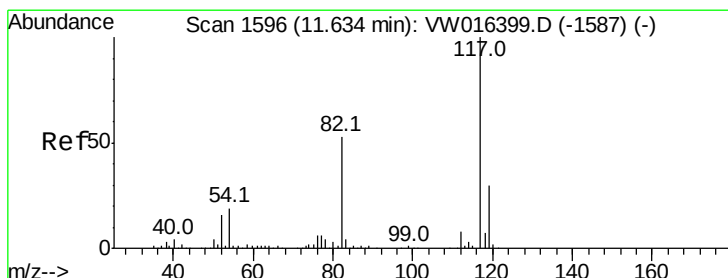
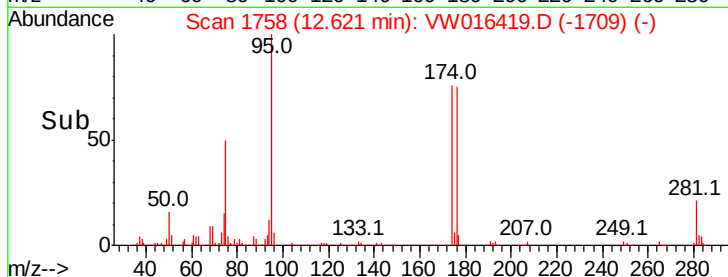
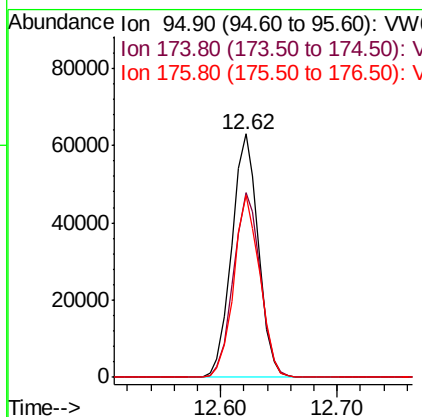
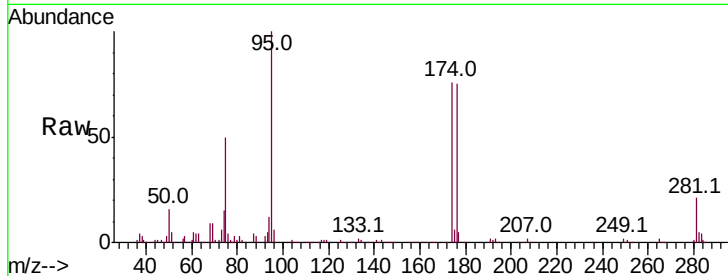




#62
4-Bromofluorobenzene
Concen: 47.598 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW016419.D
Acq: 31 Aug 2020 18:30

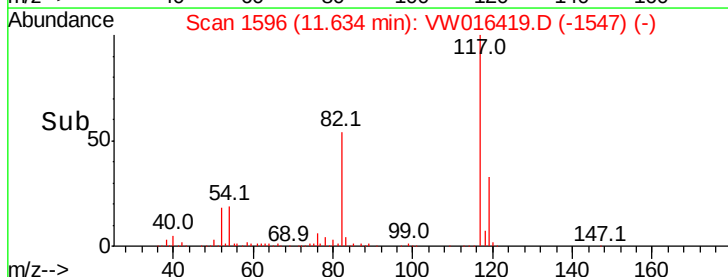
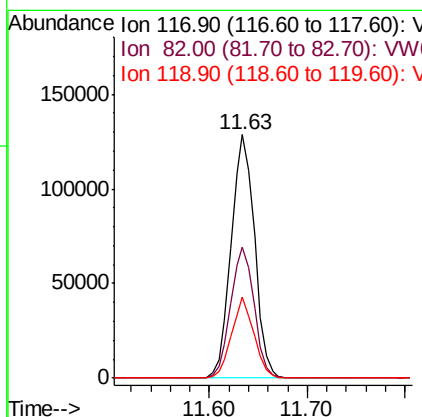
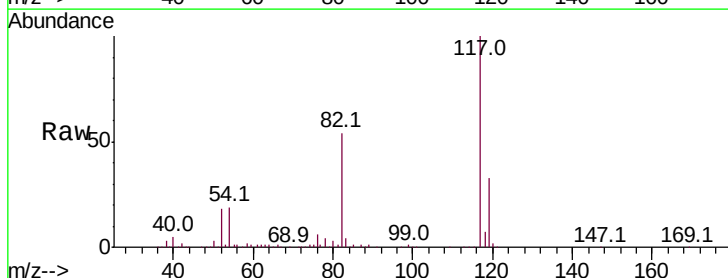
Instrument :
MSVOA_W
ClientSampleId :
LINDEN-BH-02-B

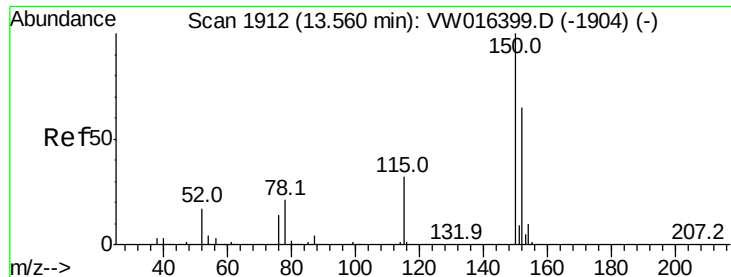
Tot Ion	95	Resp	100031
Ion Ratio	Lower	Upper	
95	100		
174	77.3	0.0	152.0
176	73.5	0.0	145.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW016419.D
Acq: 31 Aug 2020 18:30

Tgt Ion	117	Resp	213890
Ion Ratio	Lower	Upper	
117	100		
82	53.6	42.2	63.4
119	33.2	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: VW016419.D

Acq: 31 Aug 2020 18:30

Instrument :

MSVOA_W

ClientSampleId :

LINDEN-BH-02-B

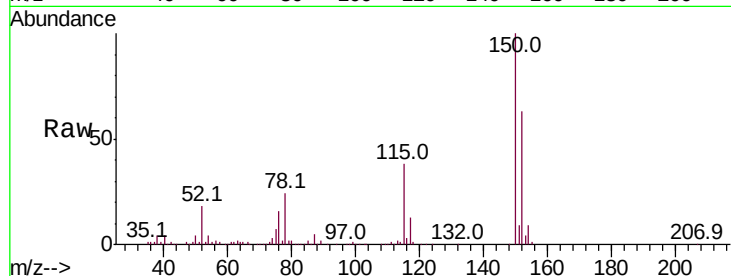
Tot Ion:152 Resp: 93842

Ion Ratio Lower Upper

152 100

115 61.9 30.9 92.5

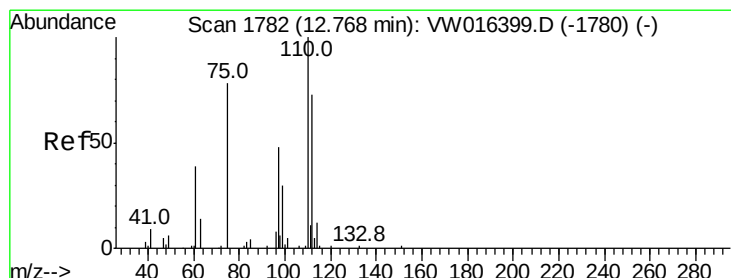
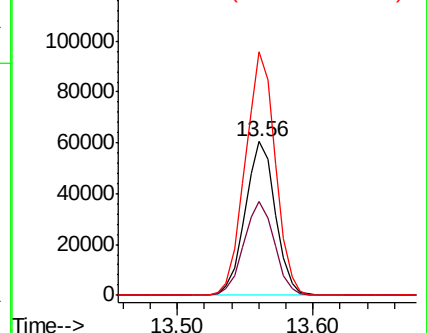
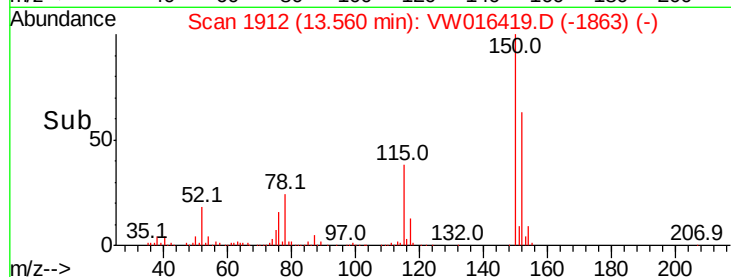
150 158.3 0.0 351.0



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: 60.065 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW016419.D

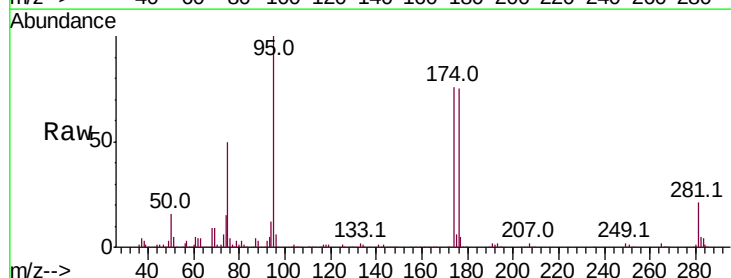
Acq: 31 Aug 2020 18:30

Tgt Ion: 75 Resp: 49842

Ion Ratio Lower Upper

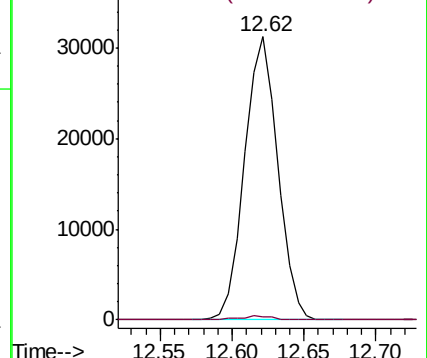
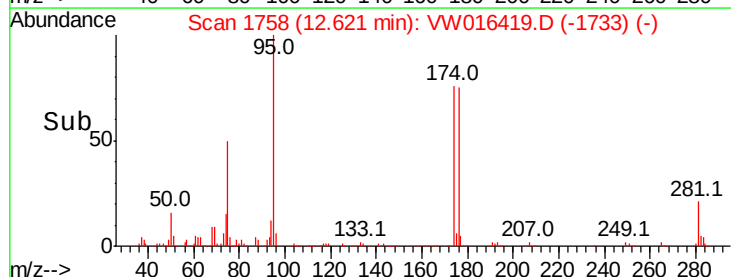
75 100

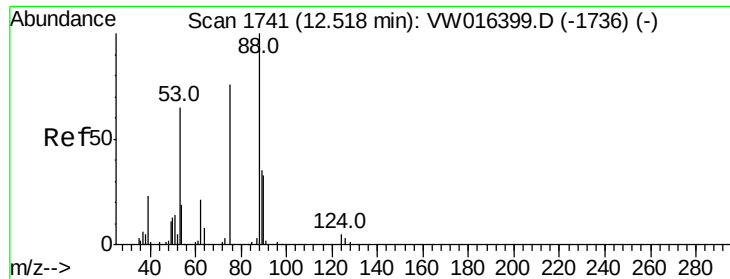
77 1.4 173.4 520.2#



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: 133.355 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW016419.D

Acq: 31 Aug 2020 18:30

Instrument :

MSVOA_W

ClientSampleId :

LINDEN-BH-02-B

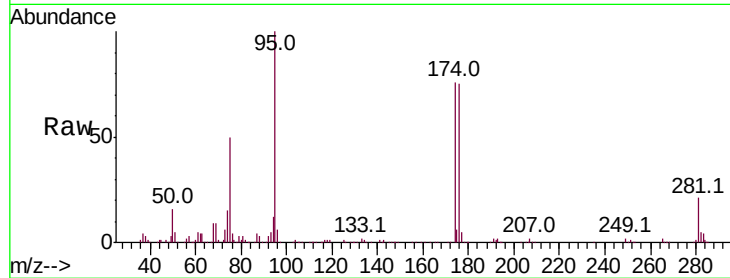
Tot Ion: 75 Resp: 49842

Ion Ratio Lower Upper

75 100

53 0.1 75.2 112.8#

89 0.5 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

