

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW083120\
 Data File : VW016412.D
 Acq On : 31 Aug 2020 15:33
 Operator : SY/VA
 Sample : L3847-18
 Misc : 4.45G/5ML/MSVOA W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: Sep 01 02:58:59 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	146567	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	252671	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	229726	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	105300	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	81718	55.70	ug/l	0.00
Spiked Amount			Recovery	=	111.40%	
35) Dibromofluoromethane	7.88	113	80613	50.40	ug/l	0.00
Spiked Amount			Recovery	=	100.80%	
50) Toluene-d8	10.33	98	297940	49.75	ug/l	0.00
Spiked Amount			Recovery	=	99.50%	
62) 4-Bromofluorobenzene	12.62	95	105448	46.95	ug/l	0.00
Spiked Amount			Recovery	=	93.90%	

Target Compounds

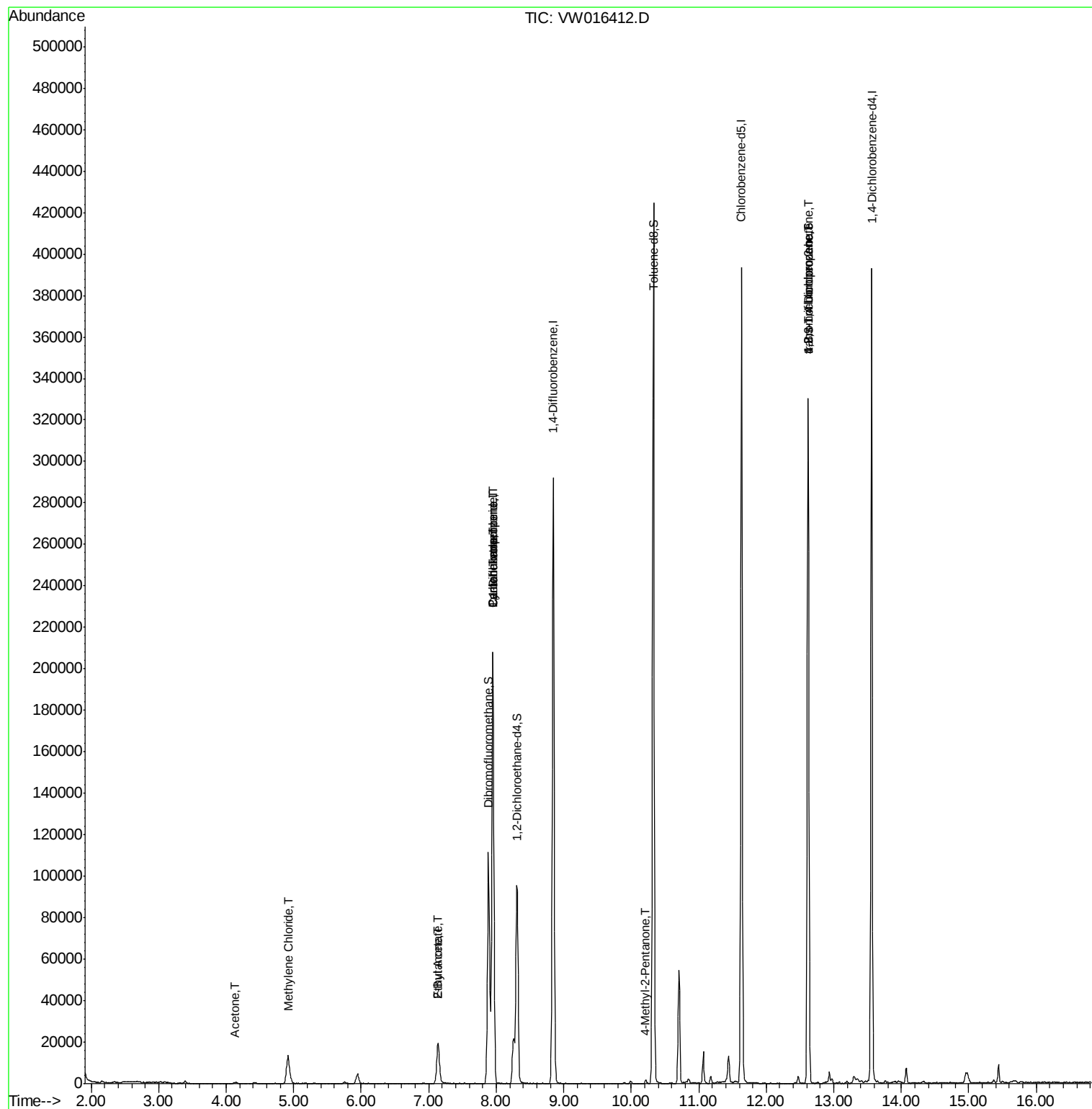
					Qvalue	
11) Tert butyl alcohol	5.20	59	109	Below Cal	#	72
16) Acetone	4.13	43	777	3.119	ug/l	97
20) Methylene Chloride	4.92	84	11236	1.656	ug/l #	94
25) 2-Butanone	7.14	43	1003	2.967	ug/l #	81
31) Cyclohexane	7.95	56	2757	1.209	ug/l #	9
36) 1,1-Dichloropropene	7.95	75	11445	4.760	ug/l #	50
37) Ethyl Acetate	7.14	43	1003	1.231	ug/l #	52
38) Carbon Tetrachloride	7.95	117	15784	5.990	ug/l #	17
51) 4-Methyl-2-Pentanone	10.21	43	1109	1.380	ug/l	93
76) 1,2,3-Trichloropropane	12.62	75	53855	57.839	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	53855	128.413	ug/l #	11

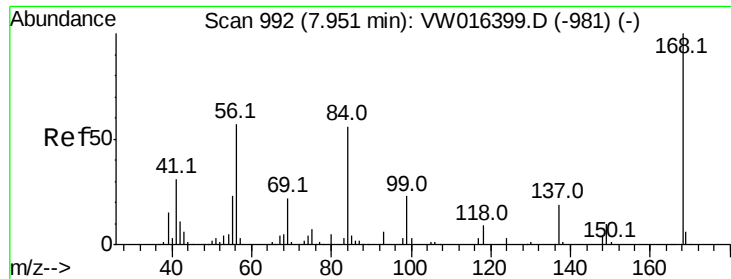
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW083120\
Data File : VW016412.D
Acq On : 31 Aug 2020 15:33
Operator : SY/VA
Sample : L3847-18
Misc : 4.45G/5ML/MSVOA W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
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LINDEN-JOP-BH-10-C

Quant Time: Sep 01 02:58:59 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: VW016412.D

Acq: 31 Aug 2020 15:33

Instrument :

MSVOA_W

ClientSampleId :

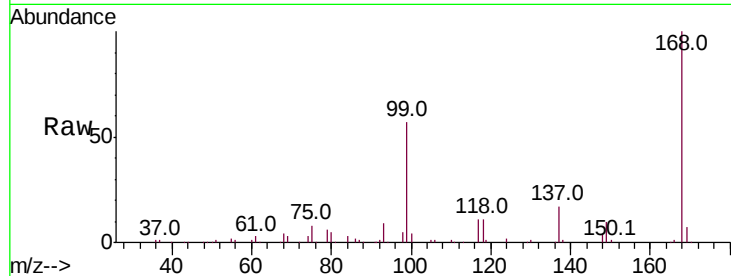
LINDEN-JOP-BH-10-C

Tot Ion:168 Resp: 146567

Ion Ratio Lower Upper

168 100

99 57.4 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

80000

60000

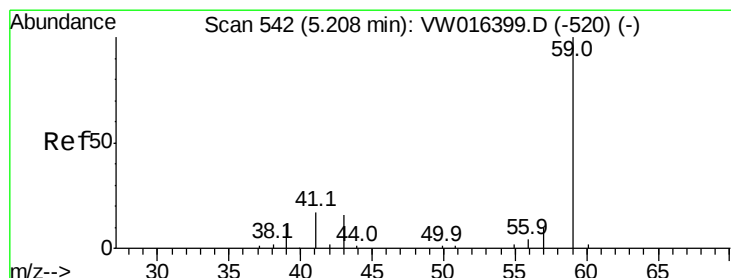
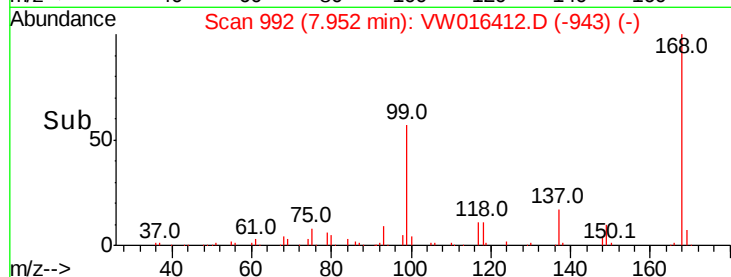
40000

20000

0

7.90 8.00

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.20 min Scan# 540

Delta R.T. -0.01 min

Lab File: VW016412.D

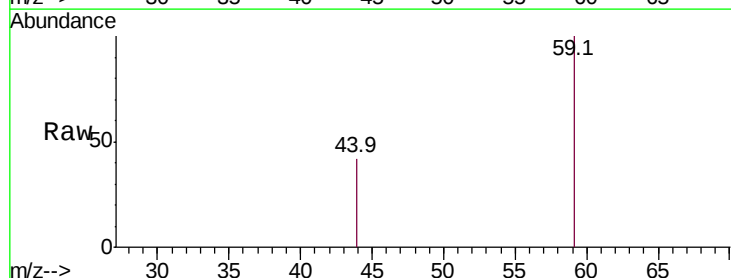
Acq: 31 Aug 2020 15:33

Tgt Ion: 59 Resp: 109

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

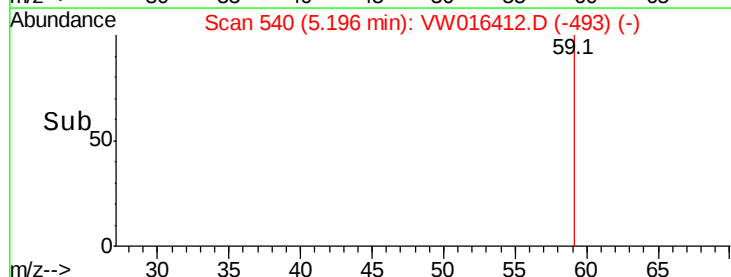
100

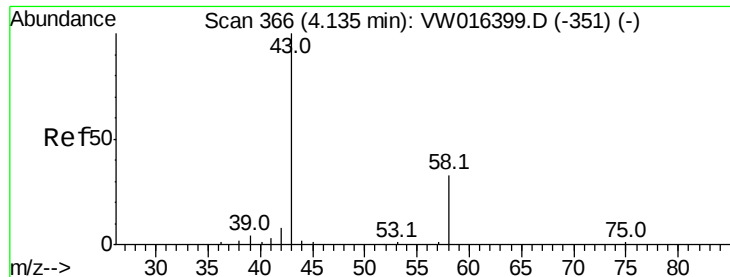
50

0

5.18 5.20 5.22

Time-->





#16

Acetone

Concen: 3.119 ug/l

RT: 4.13 min Scan# 365

Delta R.T. -0.01 min

Lab File: VW016412.D

Acq: 31 Aug 2020 15:33

Instrument :

MSVOA_W

ClientSampleId :

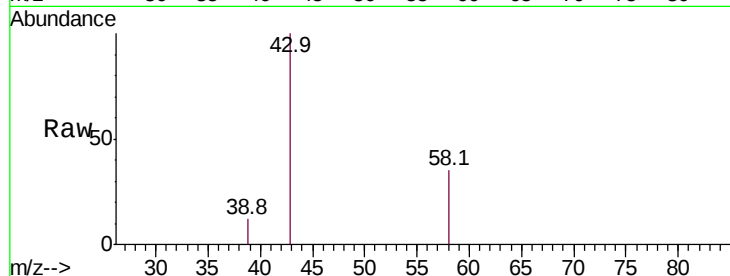
LINDEN-JOP-BH-10-C

Tot Ion: 43 Resp: 777

Ion Ratio Lower Upper

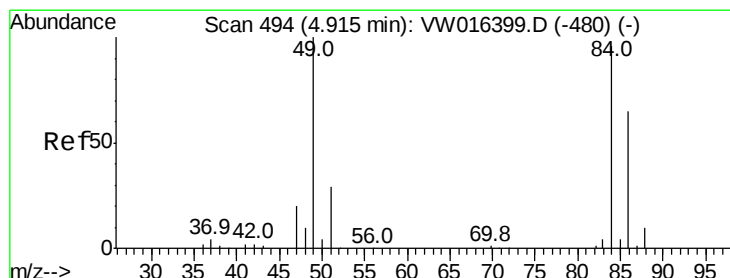
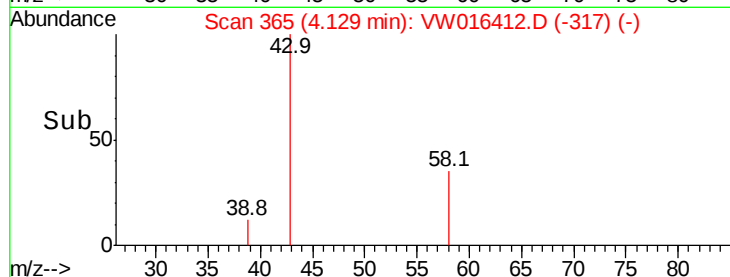
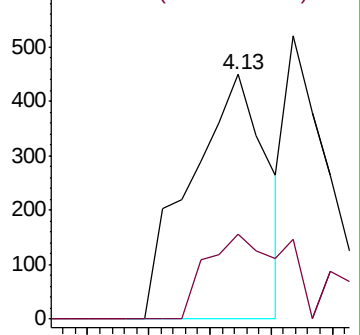
43 100

58 34.7 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: 1.656 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW016412.D

Acq: 31 Aug 2020 15:33

Tgt Ion: 84 Resp: 11236

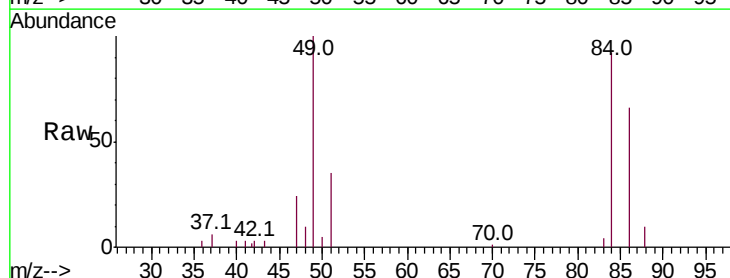
Ion Ratio Lower Upper

84 100

49 108.3 83.2 124.8

51 37.4 24.4 36.6#

86 71.9 54.2 81.2

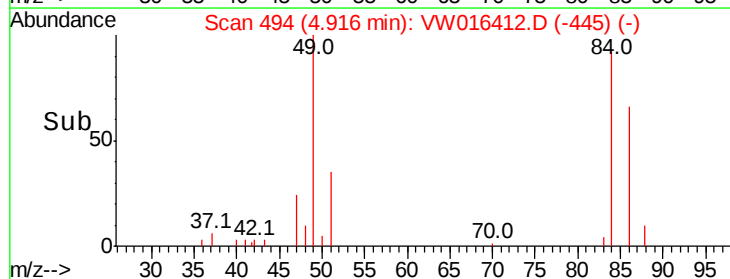
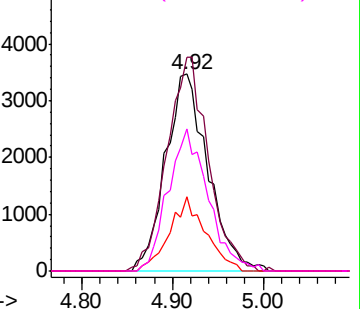


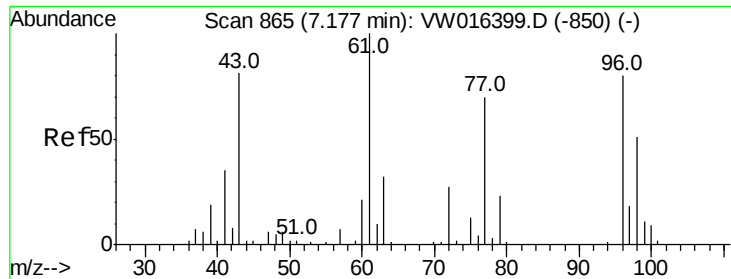
Abundance Ion 83.90 (83.60 to 84.60): VW

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: 2.967 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.04 min

Lab File: VW016412.D

Acq: 31 Aug 2020 15:33

Instrument :

MSVOA_W

ClientSampleId :

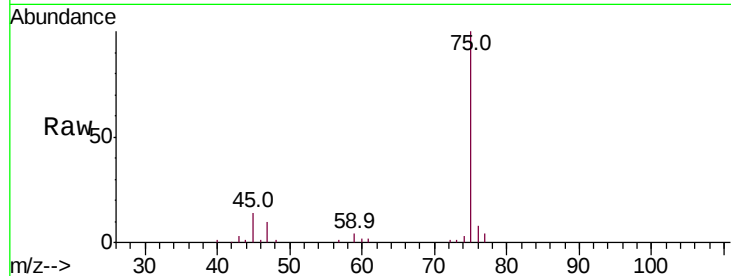
LINDEN-JOP-BH-10-C

Tot Ion: 43 Resp: 1003

Ion Ratio Lower Upper

43 100

72 22.4 26.7 40.1#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

7.14

400

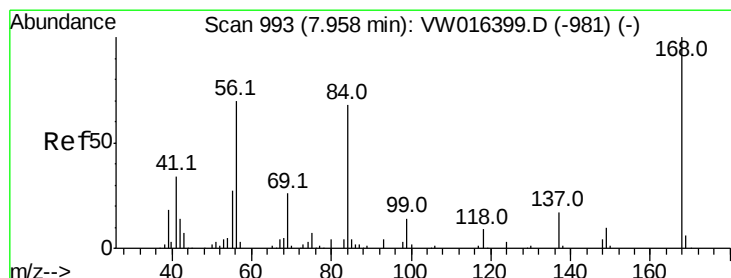
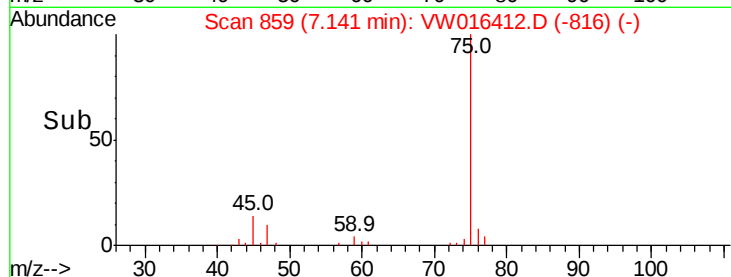
300

200

100

0

Time--> 7.05 7.10 7.15 7.20



#31

Cyclohexane

Concen: 1.209 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW016412.D

Acq: 31 Aug 2020 15:33

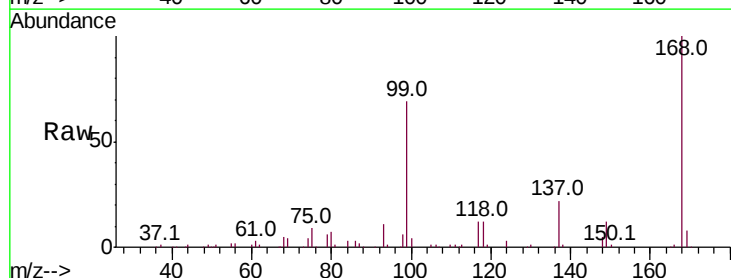
Tgt Ion: 56 Resp: 2757

Ion Ratio Lower Upper

56 100

69 174.0 30.0 45.0#

84 134.1 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

2500

2000

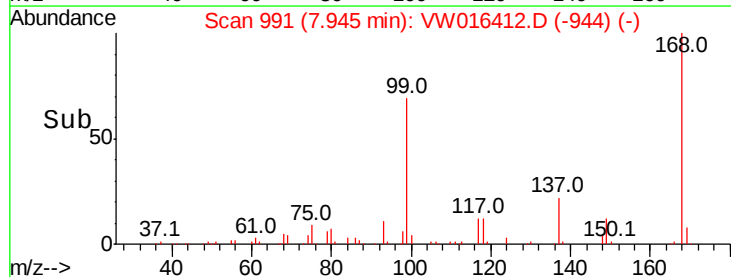
1500

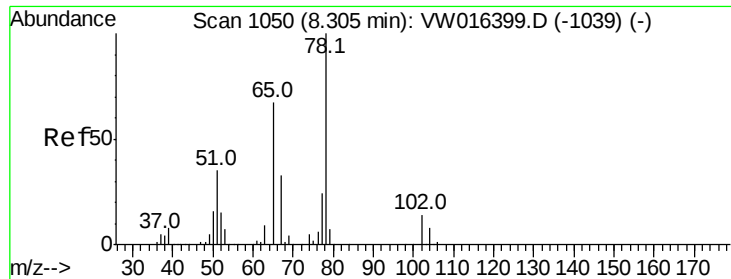
1000

500

0

Time--> 7.90 7.95 8.00





#33

1,2-Dichloroethane-d4

Concen: 55.697 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW016412.D

Acq: 31 Aug 2020 15:33

Instrument :

MSVOA_W

ClientSampleId :

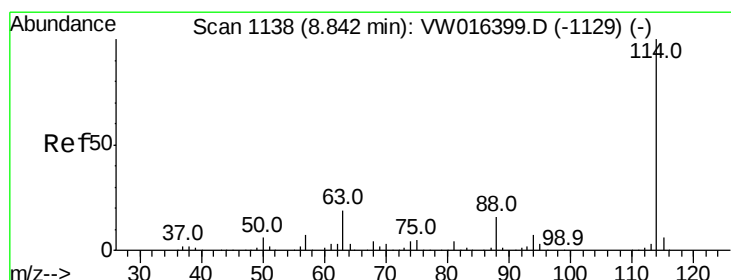
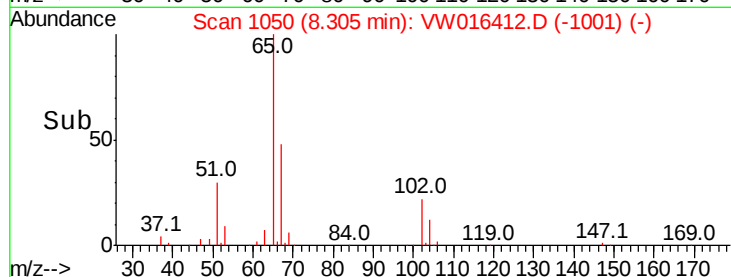
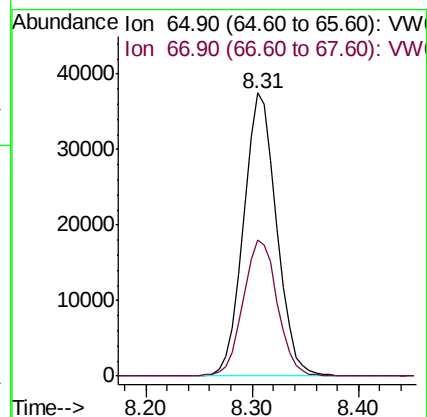
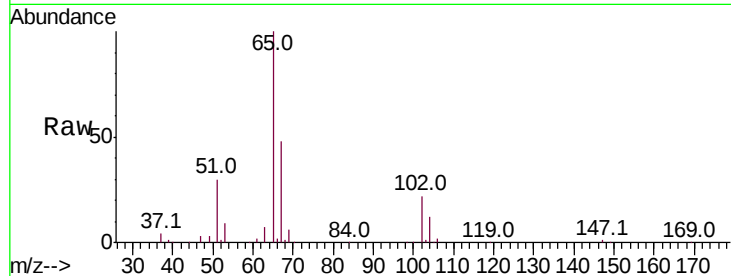
LINDEN-JOP-BH-10-C

Tot Ion: 65 Resp: 81718

Ion Ratio Lower Upper

65 100

67 50.1 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: VW016412.D

Acq: 31 Aug 2020 15:33

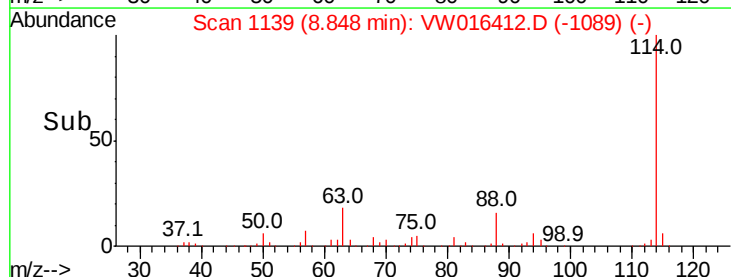
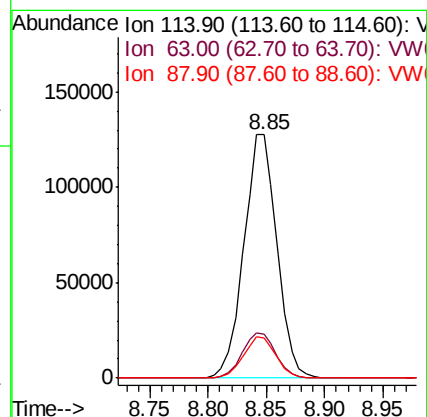
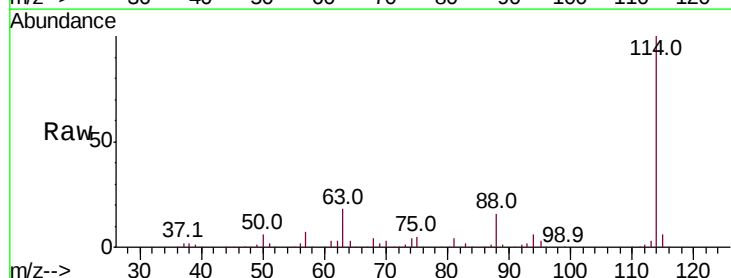
Tgt Ion: 114 Resp: 252671

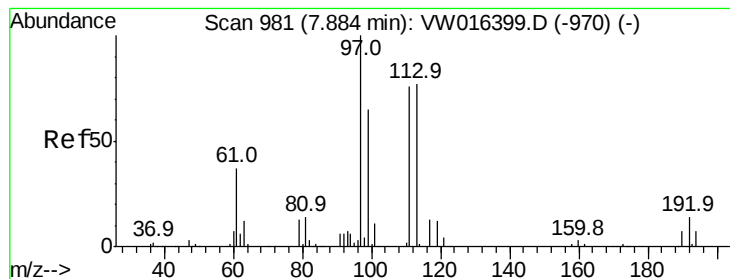
Ion Ratio Lower Upper

114 100

63 18.2 0.0 37.8

88 16.5 0.0 31.2





#35

Dibromofluoromethane

Concen: 50.404 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW016412.D

Acq: 31 Aug 2020 15:33

Instrument :

MSVOA_W

ClientSampleId :

LINDEN-JOP-BH-10-C

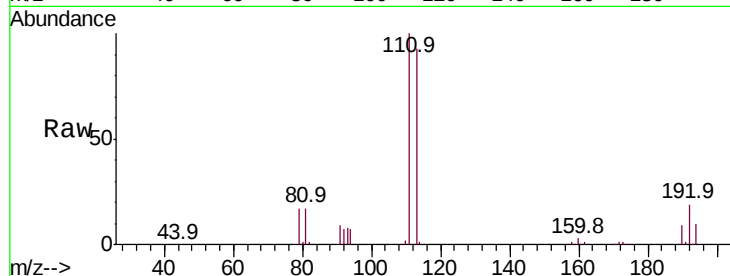
Tot Ion:113 Resp: 80613

Ion Ratio Lower Upper

113 100

111 103.7 82.1 123.1

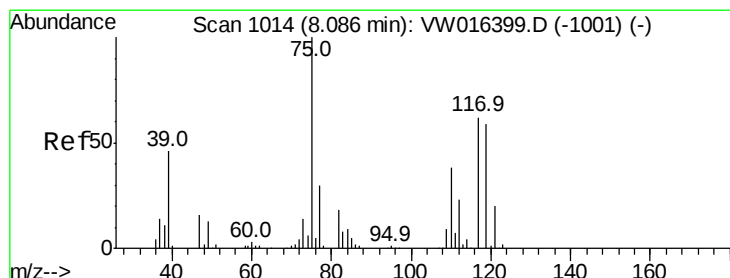
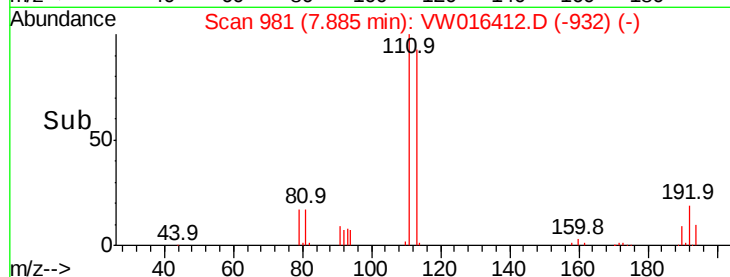
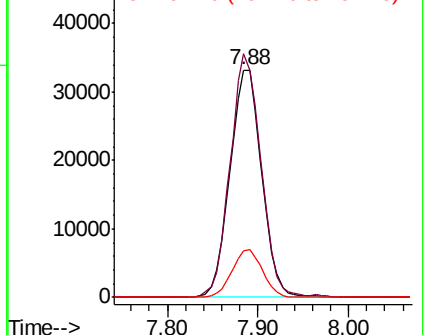
192 20.2 15.5 23.3



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: 4.760 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW016412.D

Acq: 31 Aug 2020 15:33

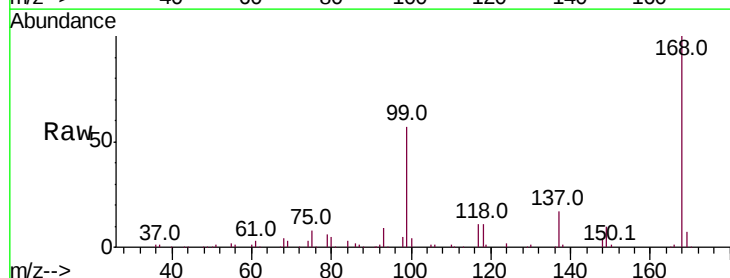
Tgt Ion: 75 Resp: 11445

Ion Ratio Lower Upper

75 100

110 10.3 18.6 56.0#

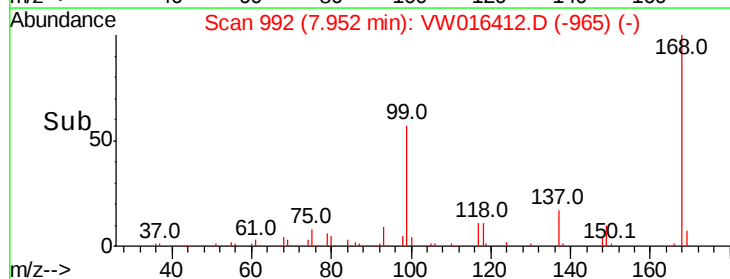
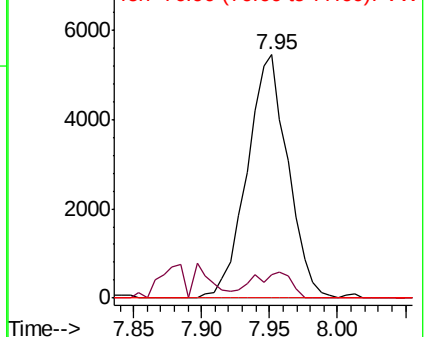
77 0.0 25.1 37.7#

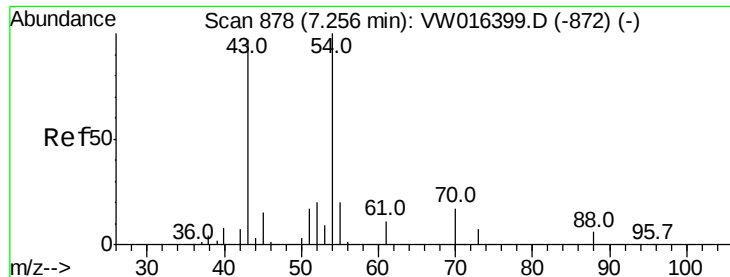


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

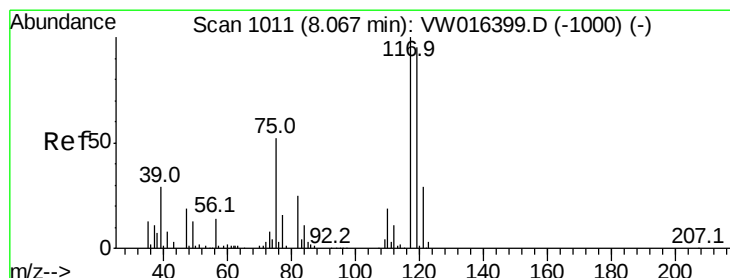
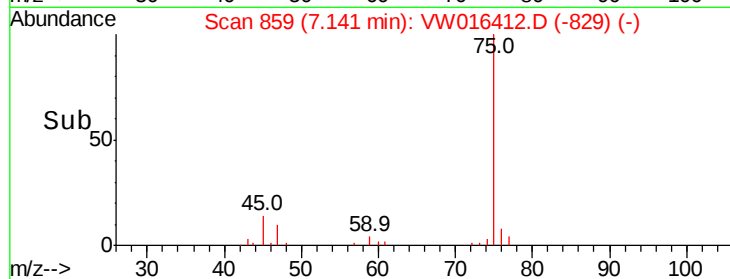
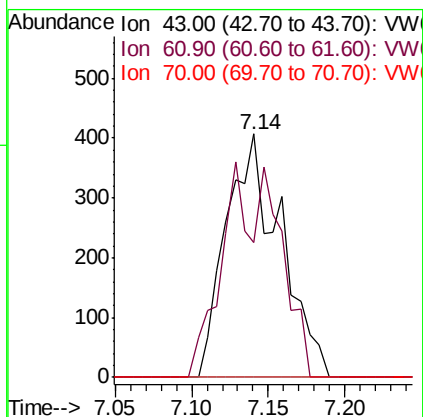
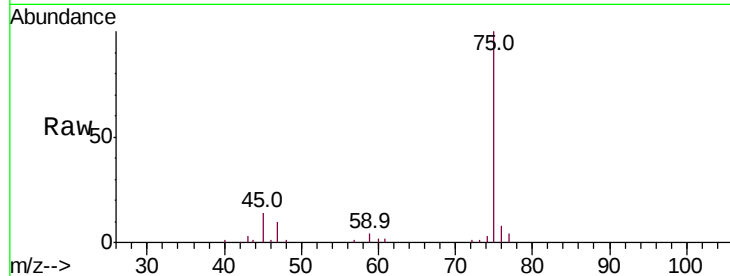




#37
Ethyl Acetate
Concen: 1.231 ug/l
RT: 7.14 min Scan# 859
Delta R.T. -0.12 min
Lab File: VW016412.D
Acq: 31 Aug 2020 15:33

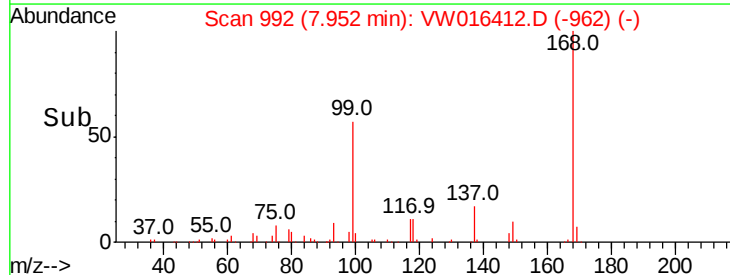
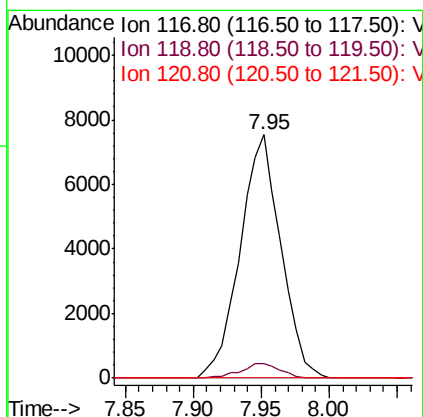
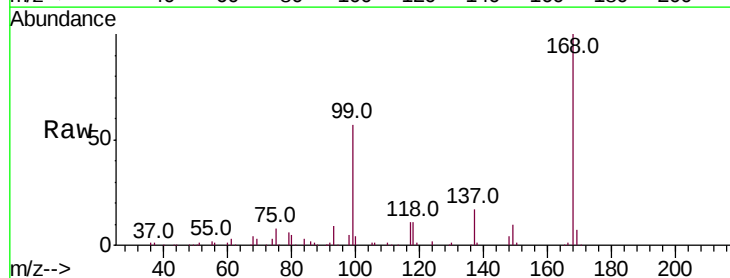
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LINDEN-JOP-BH-10-C

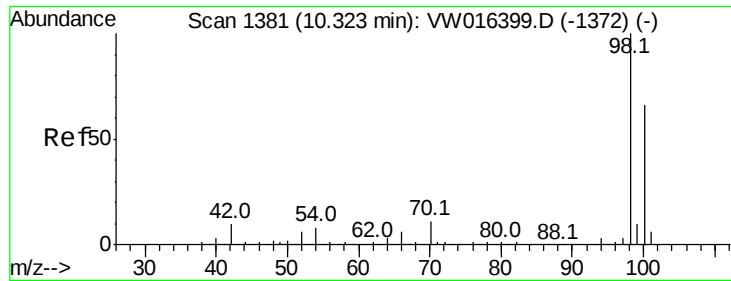
Tot Ion: 43 Resp: 1003
Ion Ratio Lower Upper
43 100
61 40.0 11.5 17.3#
70 0.0 10.7 16.1#



#38
Carbon Tetrachloride
Concen: 5.990 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW016412.D
Acq: 31 Aug 2020 15:33

Tgt Ion: 117 Resp: 15784
Ion Ratio Lower Upper
117 100
119 5.8 76.3 114.5#
121 0.0 23.0 34.6#





#50

Toluene-d8

Concen: 49.748 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.01 min

Lab File: VW016412.D

Acq: 31 Aug 2020 15:33

Instrument :

MSVOA_W

ClientSampleId :

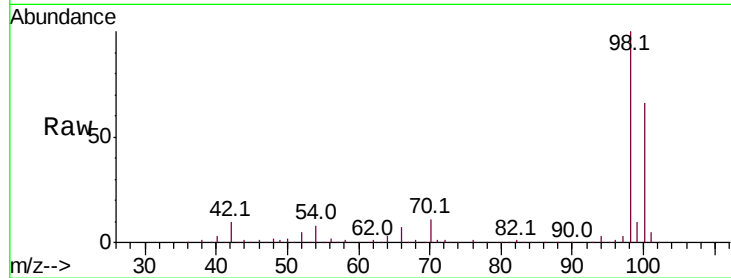
LINDEN-JOP-BH-10-C

Tot Ion: 98 Resp: 297940

Ion Ratio Lower Upper

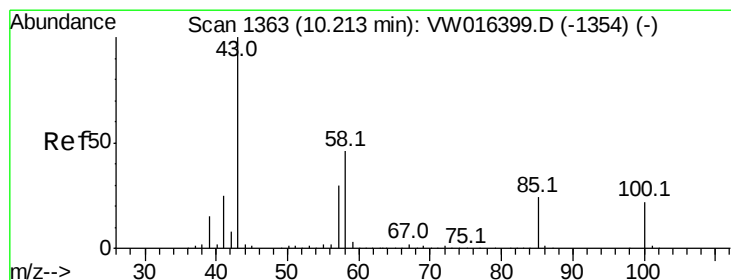
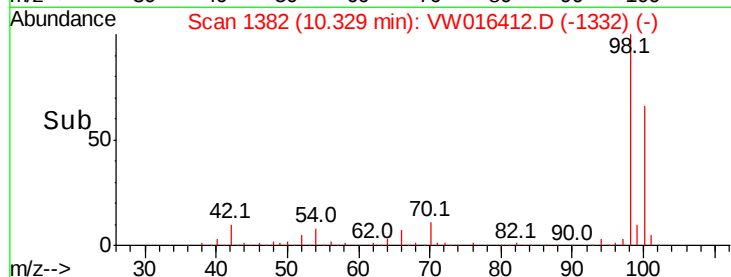
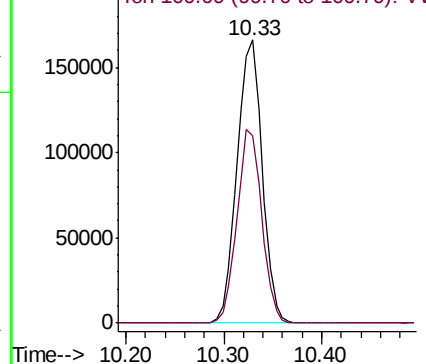
98 100

100 67.3 52.6 78.8



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#51

4-Methyl-2-Pentanone

Concen: 1.380 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.01 min

Lab File: VW016412.D

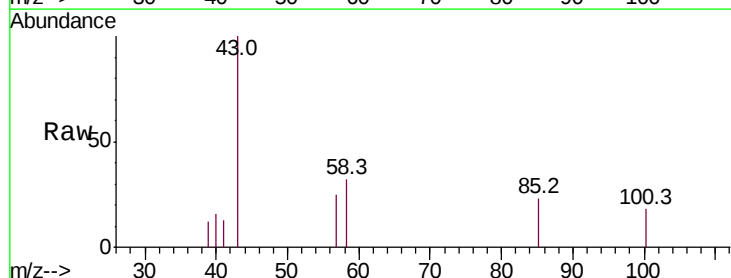
Acq: 31 Aug 2020 15:33

Tgt Ion: 43 Resp: 1109

Ion Ratio Lower Upper

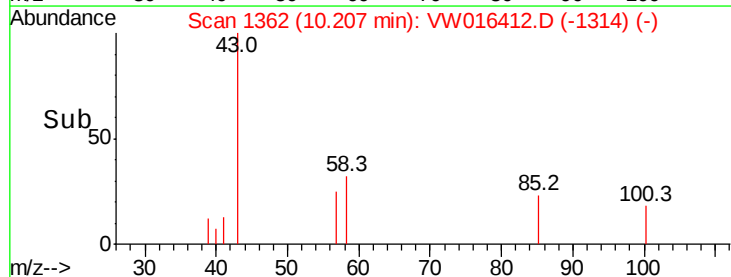
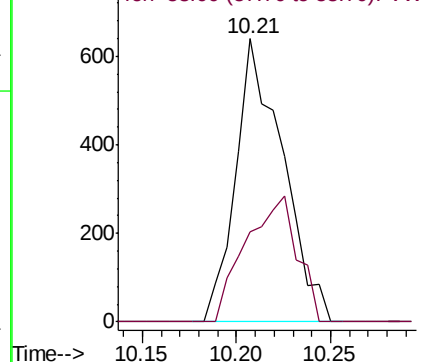
43 100

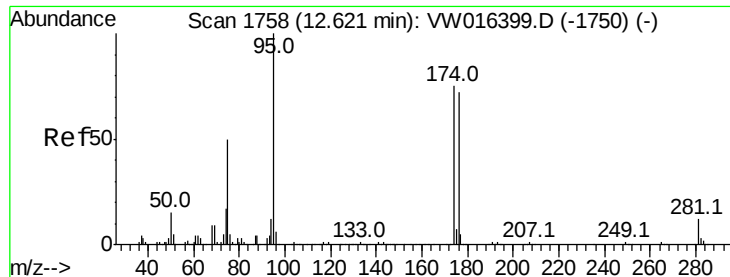
58 48.6 35.4 53.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

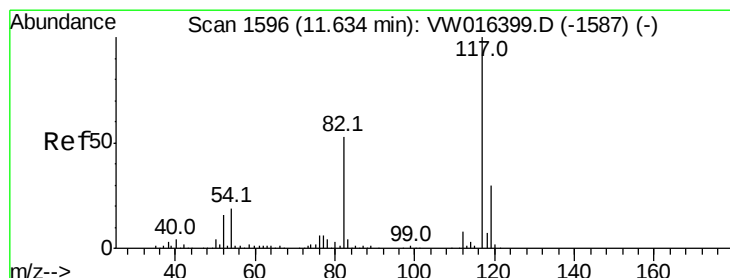
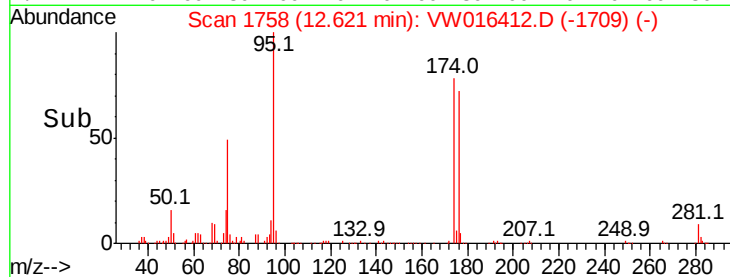
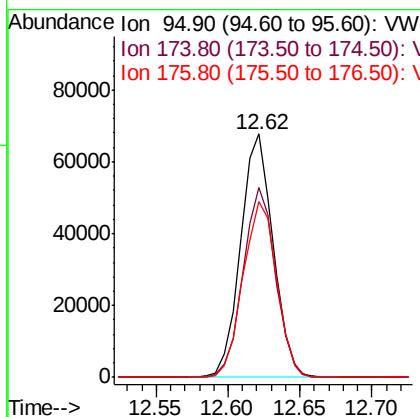
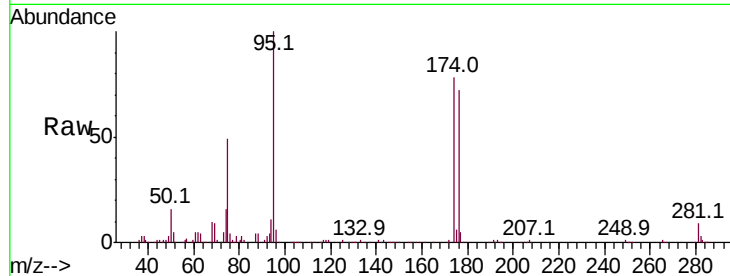




#62
4-Bromofluorobenzene
Concen: 46.953 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW016412.D
Acq: 31 Aug 2020 15:33

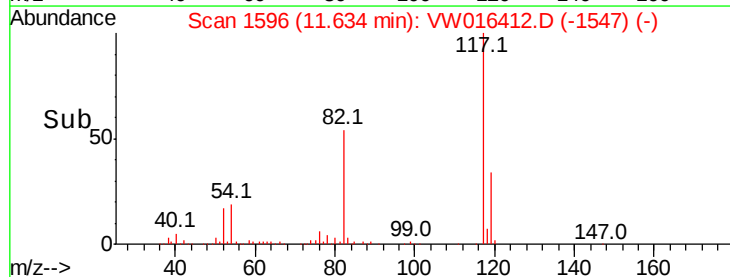
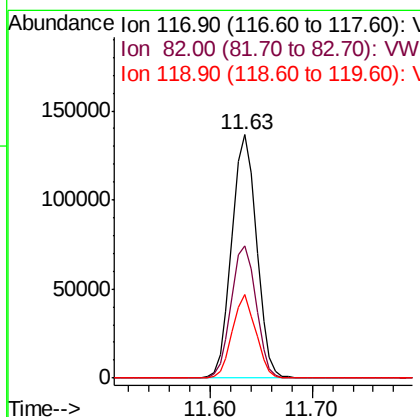
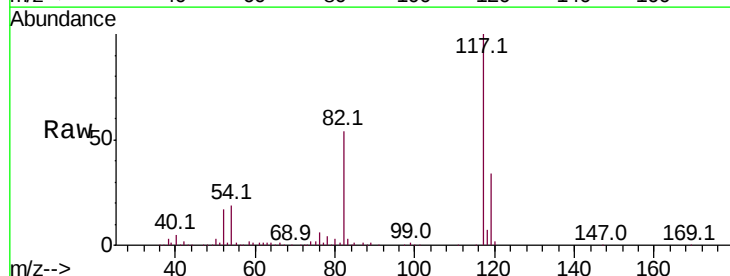
Instrument :
MSVOA_W
ClientSampleId :
LINDEN-JOP-BH-10-C

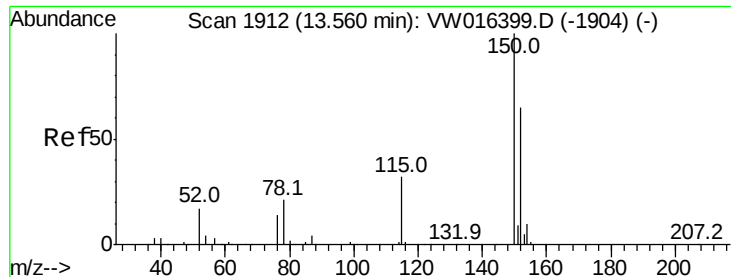
Tot Ion	95	Resp	105448
Ion Ratio	Lower	Upper	
95	100		
174	78.0	0.0	152.0
176	74.8	0.0	145.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW016412.D
Acq: 31 Aug 2020 15:33

Tgt Ion	117	Resp	229726
Ion Ratio	Lower	Upper	
117	100		
82	54.2	42.2	63.4
119	34.1	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: VW016412.D

Acq: 31 Aug 2020 15:33

Instrument :

MSVOA_W

ClientSampleId :

LINDEN-JOP-BH-10-C

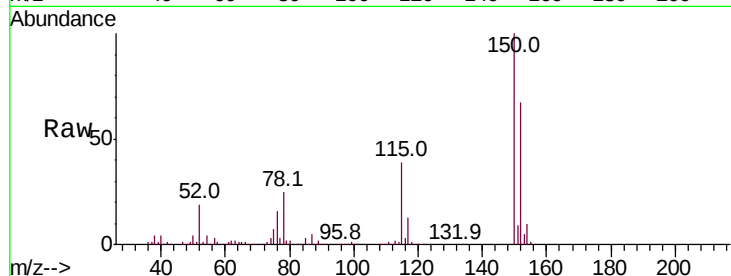
Tot Ion:152 Resp: 105300

Ion Ratio Lower Upper

152 100

115 60.8 30.9 92.5

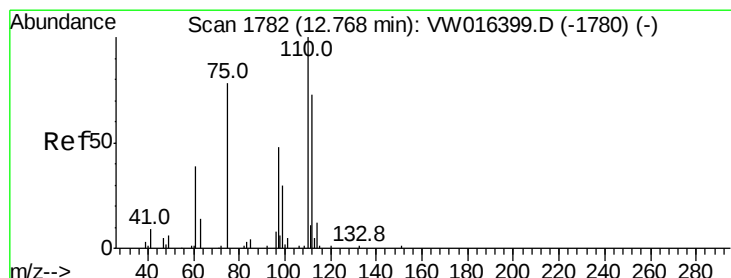
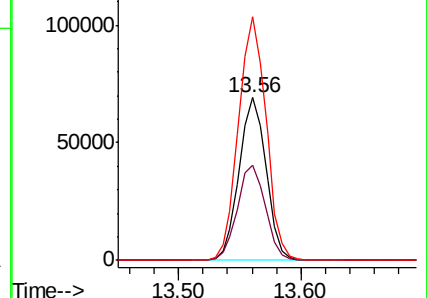
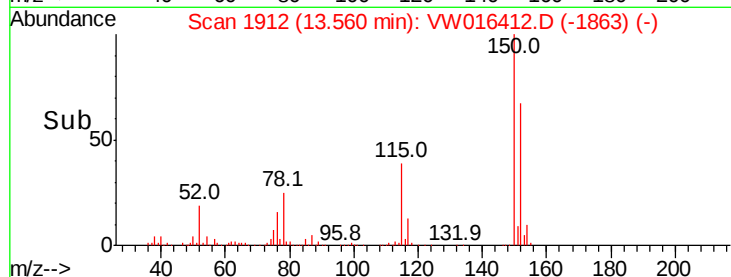
150 152.8 0.0 351.0



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: 57.839 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW016412.D

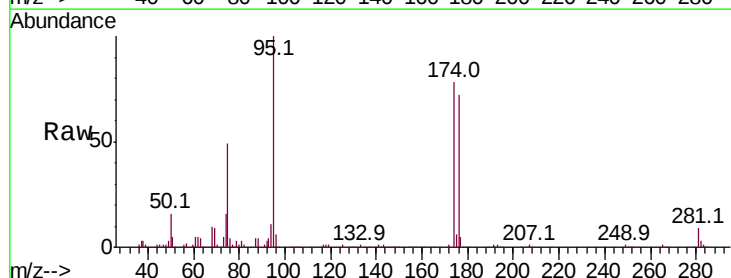
Acq: 31 Aug 2020 15:33

Tgt Ion: 75 Resp: 53855

Ion Ratio Lower Upper

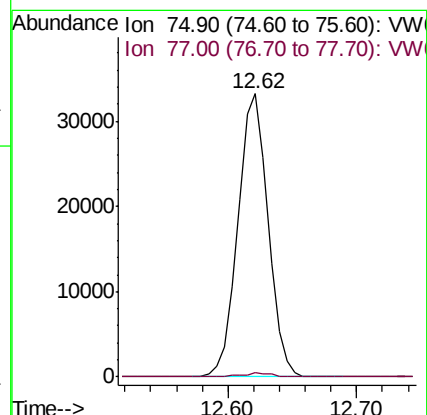
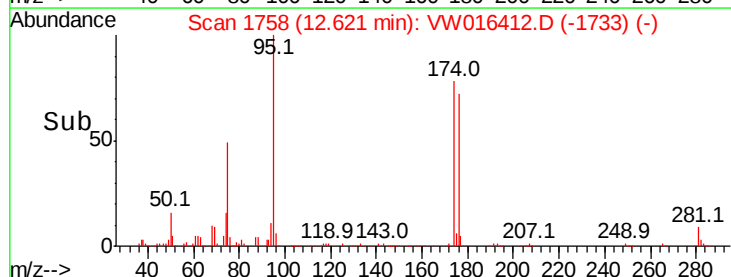
75 100

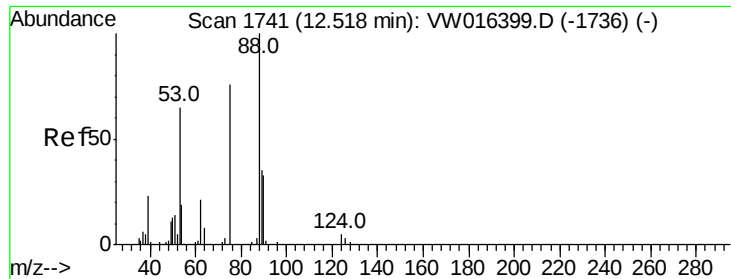
77 1.4 173.4 520.2#



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: 128.413 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW016412.D

Acq: 31 Aug 2020 15:33

Instrument :

MSVOA_W

ClientSampleId :

LINDEN-JOP-BH-10-C

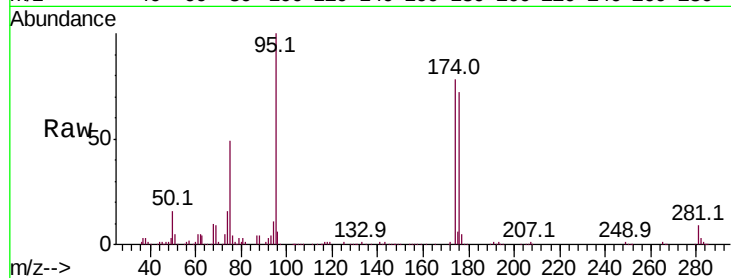
Tot Ion: 75 Resp: 53855

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

