

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW083120\
 Data File : VW016414.D
 Acq On : 31 Aug 2020 16:23
 Operator : SY/VA
 Sample : L3847-28
 Misc : 3.94G/5ML/MSVOA W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 LINDEN-JOP-BH-12-B

Quant Time: Sep 01 02:59:15 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	143897	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	235562	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	215759	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	97101	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	77991	54.14	ug/l	0.00
Spiked Amount			Recovery	=	108.28%	
35) Dibromofluoromethane	7.89	113	76976	51.63	ug/l	0.00
Spiked Amount			Recovery	=	103.26%	
50) Toluene-d8	10.33	98	279776	50.11	ug/l	0.00
Spiked Amount			Recovery	=	100.22%	
62) 4-Bromofluorobenzene	12.62	95	103211	49.30	ug/l	0.00
Spiked Amount			Recovery	=	98.60%	

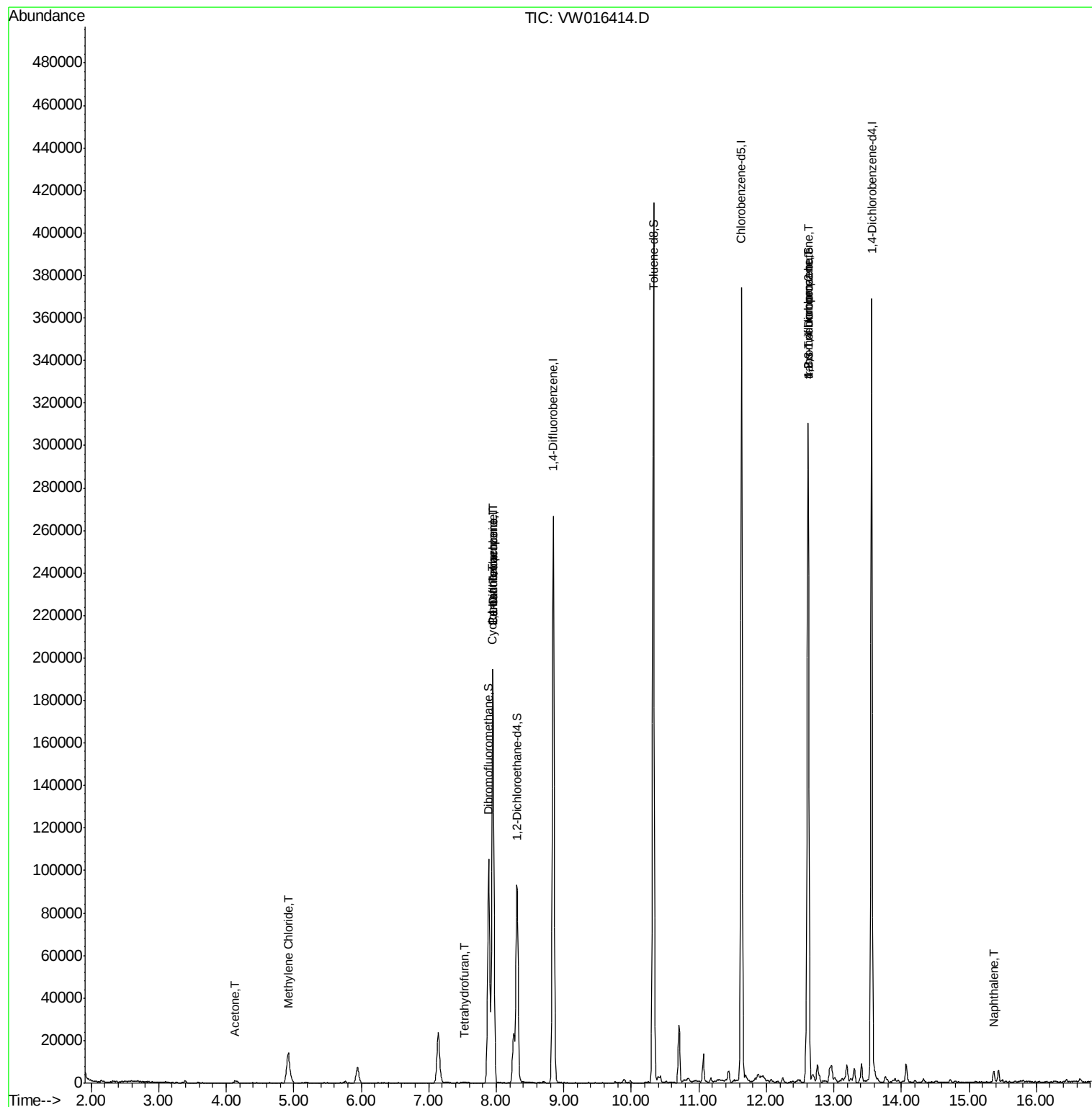
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.21	59	146	Below Cal	#	72
16) Acetone	4.13	43	2317	9.472	ug/l	98
20) Methylene Chloride	4.92	84	12395	2.654	ug/l	91
29) Tetrahydrofuran	7.54	42	240	1.211	ug/l #	27
31) Cyclohexane	7.94	56	2786	1.244	ug/l #	60
36) 1,1-Dichloropropene	7.95	75	10807	4.821	ug/l #	51
38) Carbon Tetrachloride	7.95	117	14633	5.957	ug/l #	18
76) 1,2,3-Trichloropropane	12.62	75	52181	60.773	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	52181	134.927	ug/l #	11
95) Naphthalene	15.36	128	4961	1.411	ug/l #	95

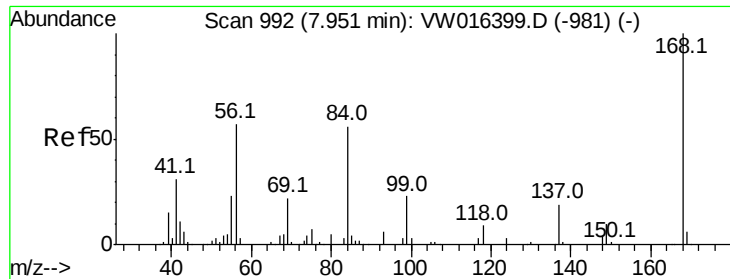
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW083120\
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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: VW016414.D

Acq: 31 Aug 2020 16:23

Instrument :

MSVOA_W

ClientSampleId :

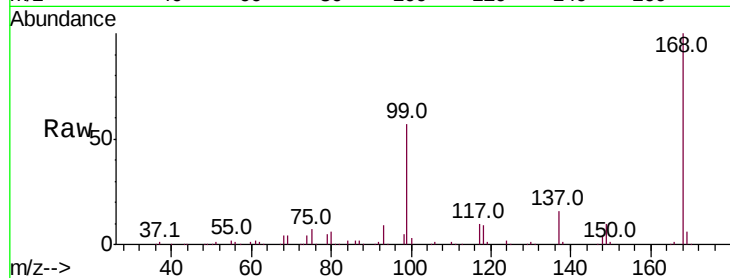
LINDEN-JOP-BH-12-B

Tot Ion:168 Resp: 143897

Ion Ratio Lower Upper

168 100

99 56.9 49.0 73.4



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

60000

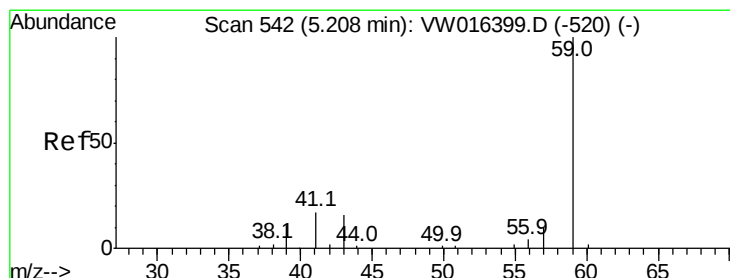
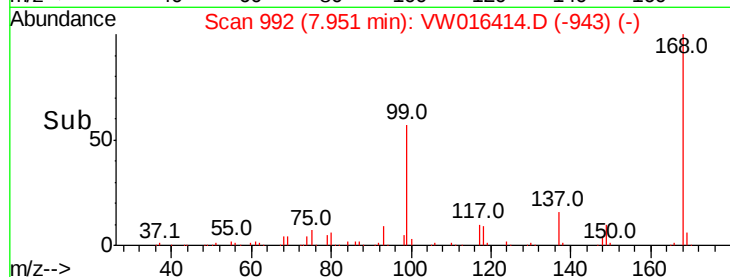
40000

20000

0

7.90 8.00

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.21 min Scan# 542

Delta R.T. 0.00 min

Lab File: VW016414.D

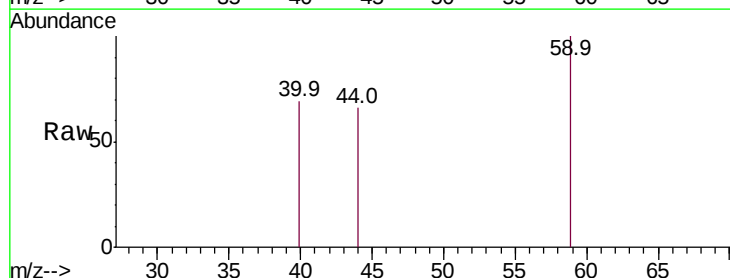
Acq: 31 Aug 2020 16:23

Tgt Ion: 59 Resp: 146

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

5.21

120

100

80

60

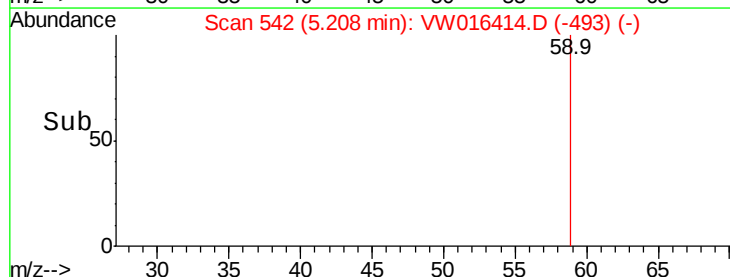
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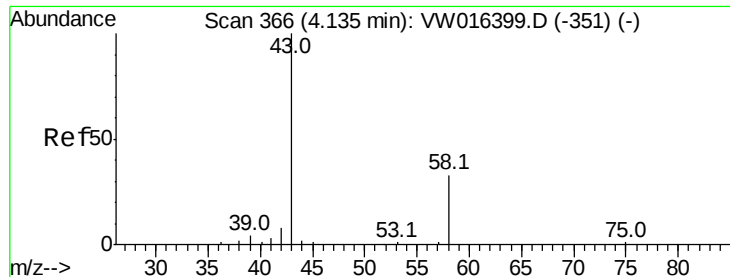
20

0

5.18 5.20 5.22 5.24

Time-->





#16

Acetone

Concen: 9.472 ug/l

RT: 4.13 min Scan# 365

Delta R.T. -0.01 min

Lab File: VW016414.D

Acq: 31 Aug 2020 16:23

Instrument :

MSVOA_W

ClientSampleId :

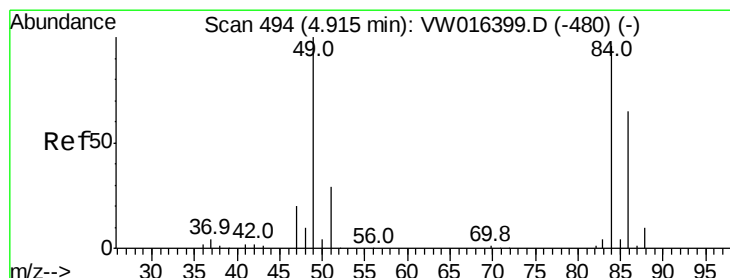
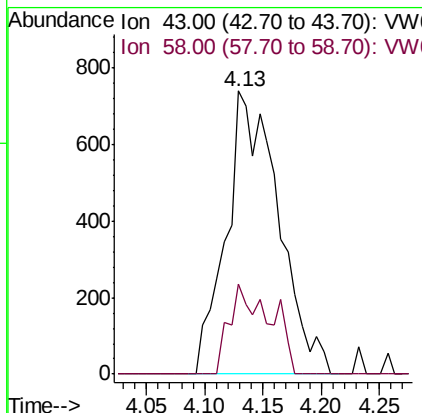
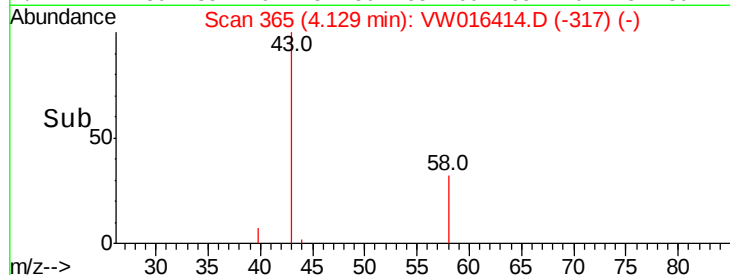
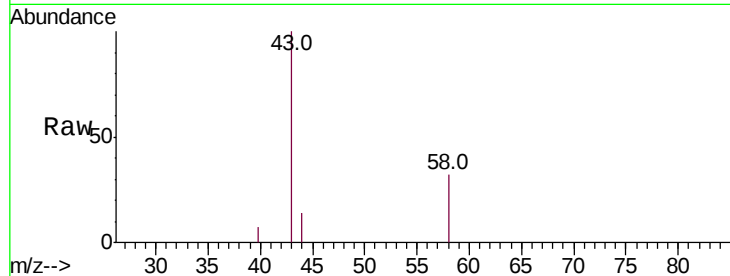
LINDEN-JOP-BH-12-B

Tot Ion: 43 Resp: 2317

Ion Ratio Lower Upper

43 100

58 32.0 26.6 39.8



#20

Methylene Chloride

Concen: 2.654 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW016414.D

Acq: 31 Aug 2020 16:23

Tgt Ion: 84 Resp: 12395

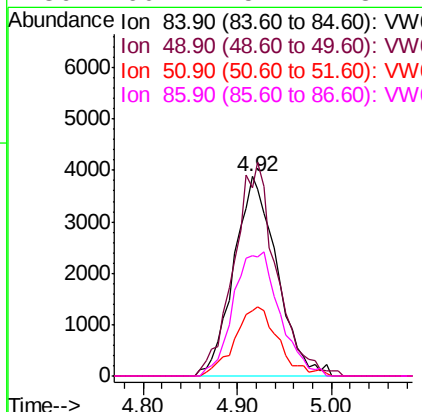
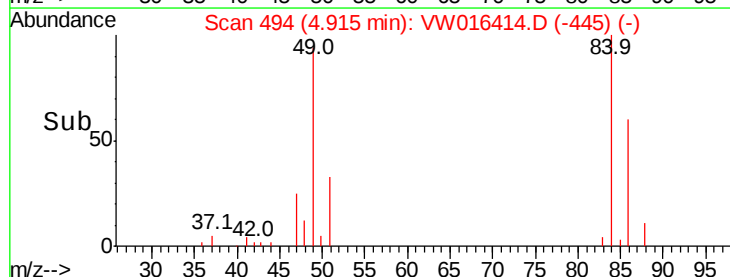
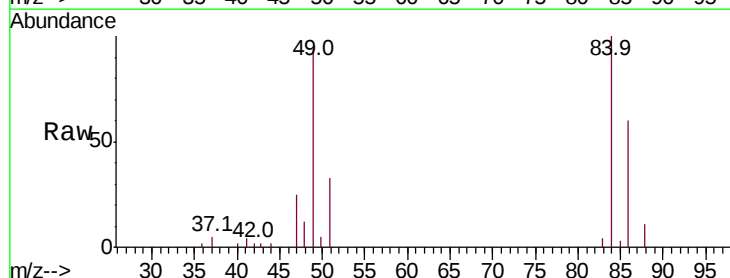
Ion Ratio Lower Upper

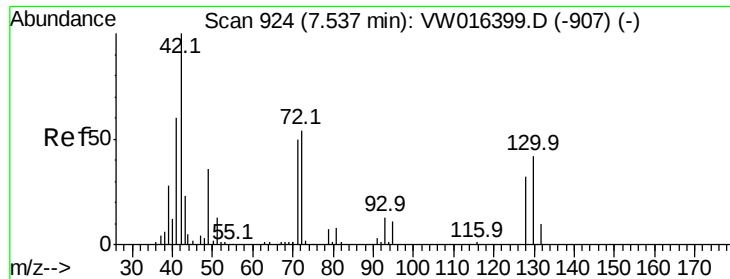
84 100

49 94.1 83.2 124.8

51 32.9 24.4 36.6

86 60.4 54.2 81.2

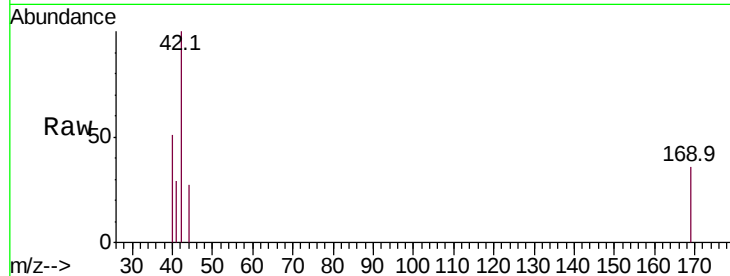




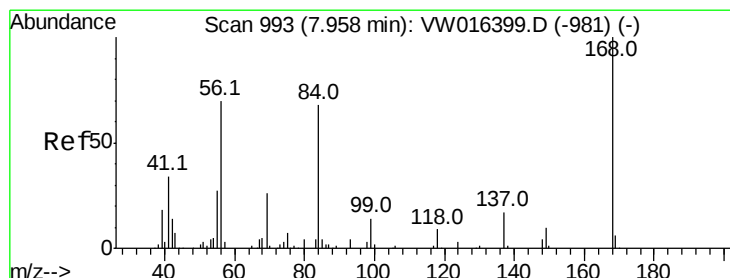
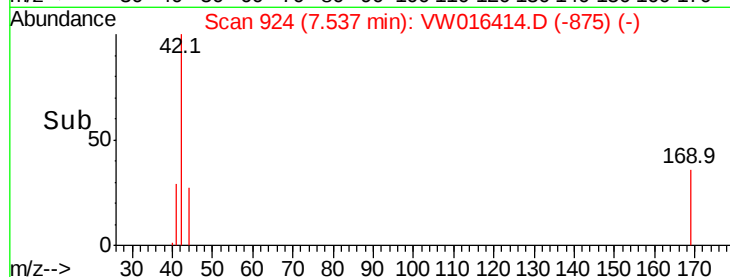
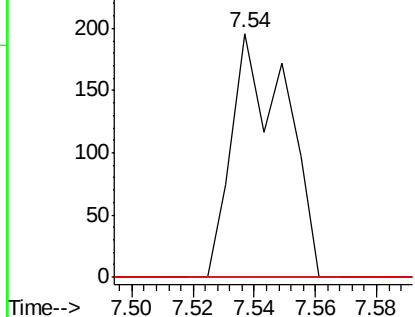
#29
Tetrahydrofuran
Concen: 1.211 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.00 min
Lab File: VW016414.D
Acq: 31 Aug 2020 16:23

Instrument :
MSVOA_W
ClientSampleId :
LINDEN-JOP-BH-12-B

Tot Ion: 42 Resp: 240
Ion Ratio Lower Upper
42 100
72 0.0 42.3 63.5#
71 0.0 39.5 59.3#

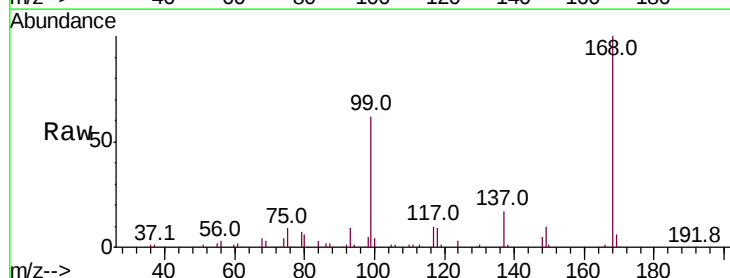


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

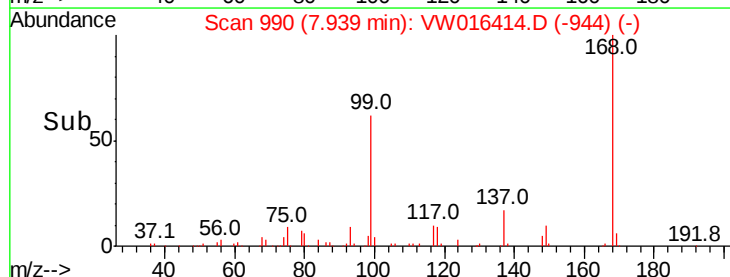
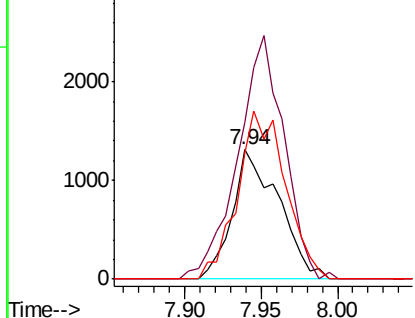


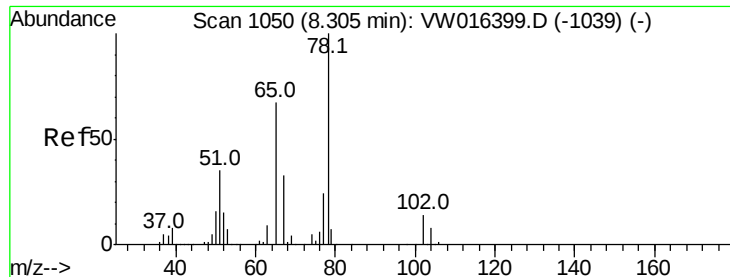
#31
Cyclohexane
Concen: 1.244 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.02 min
Lab File: VW016414.D
Acq: 31 Aug 2020 16:23

Tgt Ion: 56 Resp: 2786
Ion Ratio Lower Upper
56 100
69 121.7 30.0 45.0#
84 97.2 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

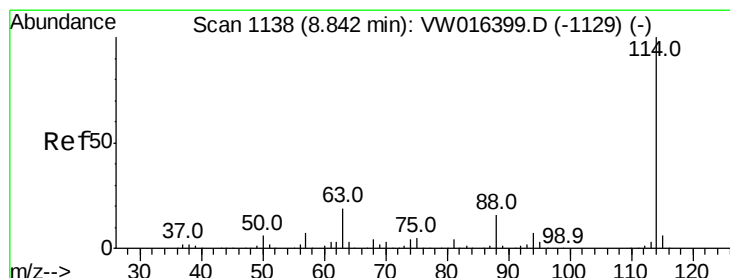
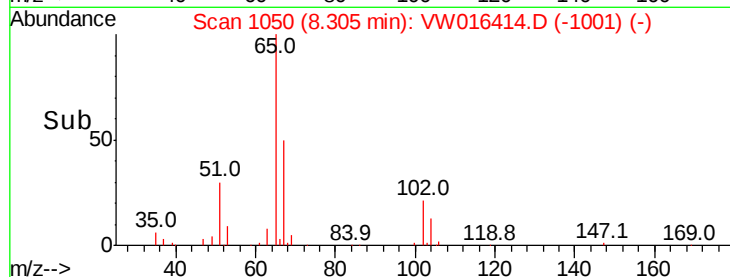
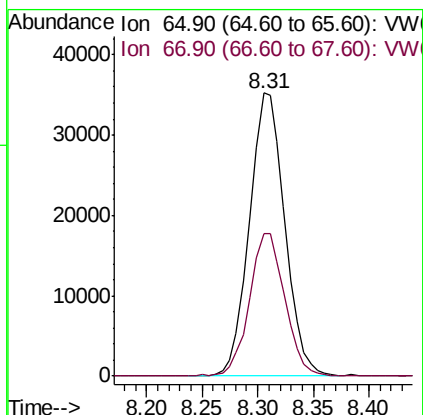
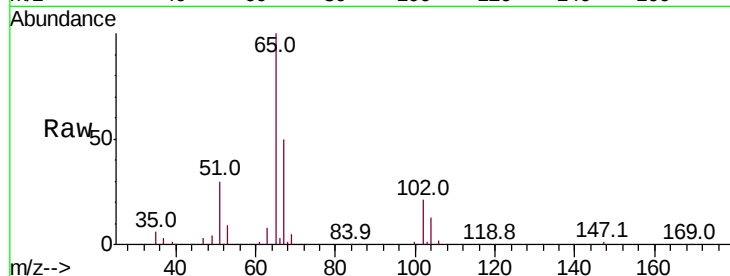




#33
 1,2-Dichloroethane-d4
 Concen: 54.143 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW016414.D
 Acq: 31 Aug 2020 16:23

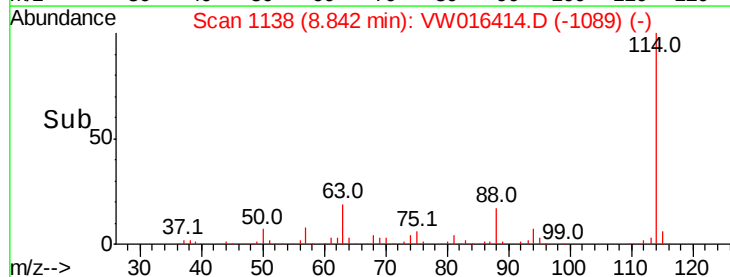
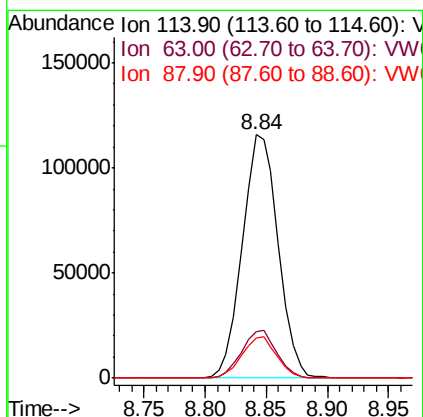
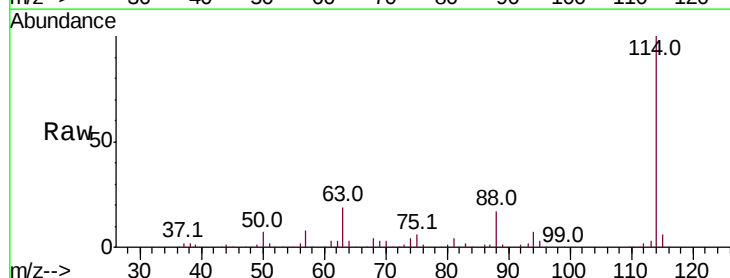
Instrument :
 MSVOA_W
 ClientSampleId :
 LINDEN-JOP-BH-12-B

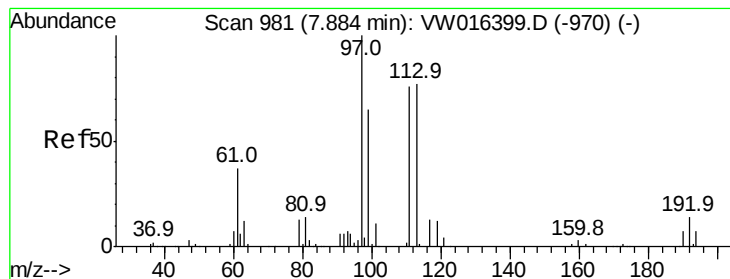
Tot Ion: 65 Resp: 77991
 Ion Ratio Lower Upper
 65 100
 67 50.6 0.0 100.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW016414.D
 Acq: 31 Aug 2020 16:23

Tgt Ion: 114 Resp: 235562
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 37.8
 88 16.5 0.0 31.2





#35

Dibromofluoromethane

Concen: 51.625 ug/l

RT: 7.89 min Scan# 982

Delta R.T. 0.01 min

Lab File: VW016414.D

Acq: 31 Aug 2020 16:23

Instrument :

MSVOA_W

ClientSampleId :

LINDEN-JOP-BH-12-B

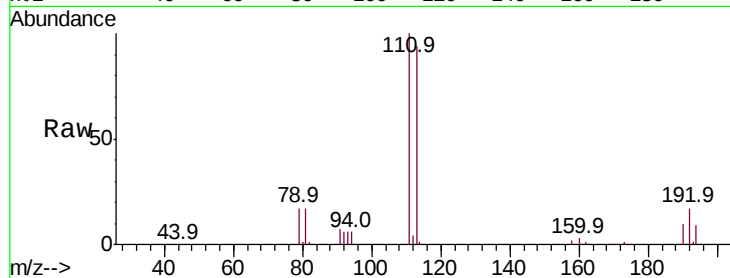
Tot Ion:113 Resp: 76976

Ion Ratio Lower Upper

113 100

111 101.5 82.1 123.1

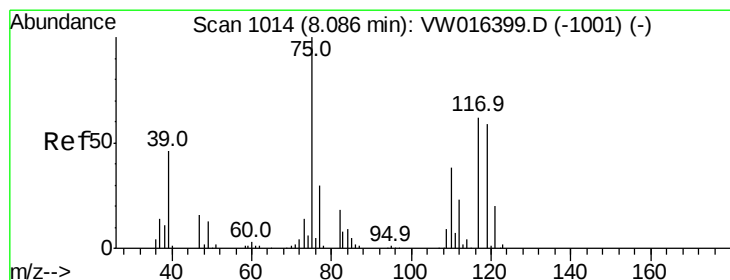
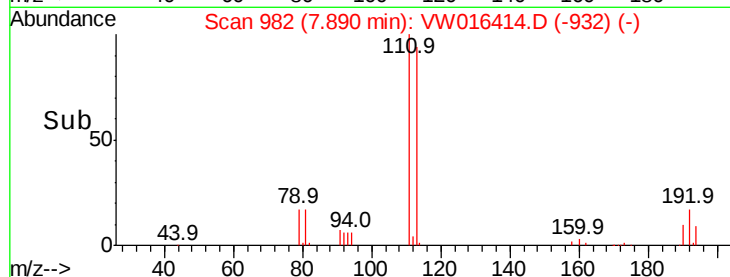
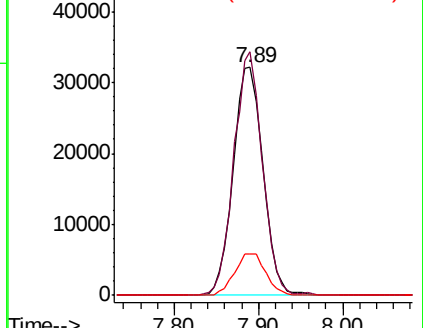
192 19.1 15.5 23.3



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: 4.821 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.14 min

Lab File: VW016414.D

Acq: 31 Aug 2020 16:23

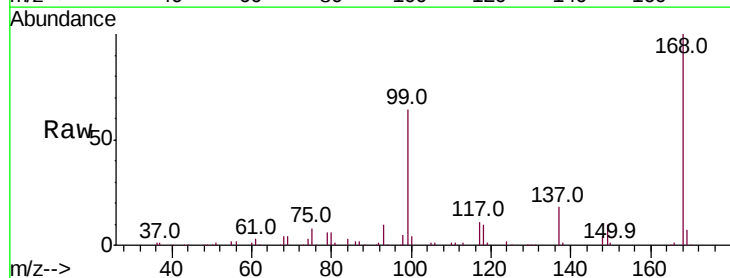
Tgt Ion: 75 Resp: 10807

Ion Ratio Lower Upper

75 100

110 11.9 18.6 56.0#

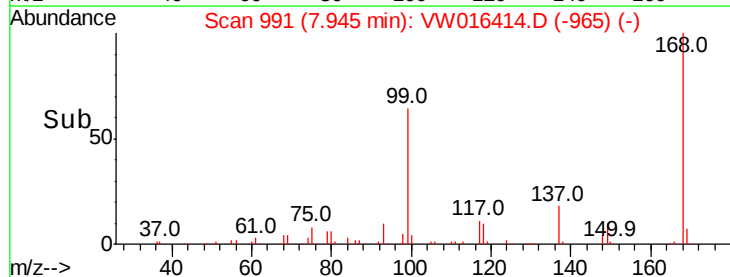
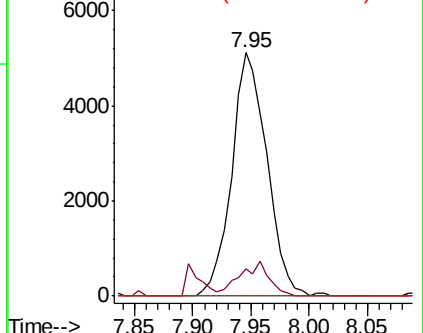
77 0.0 25.1 37.7#

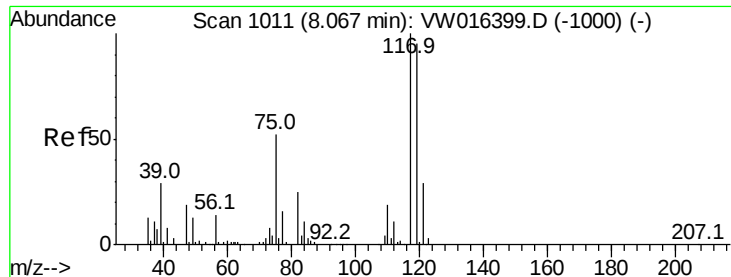


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

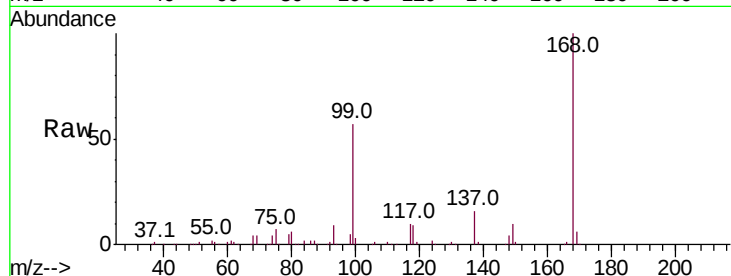




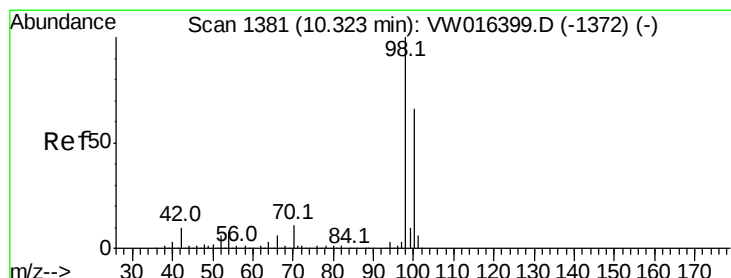
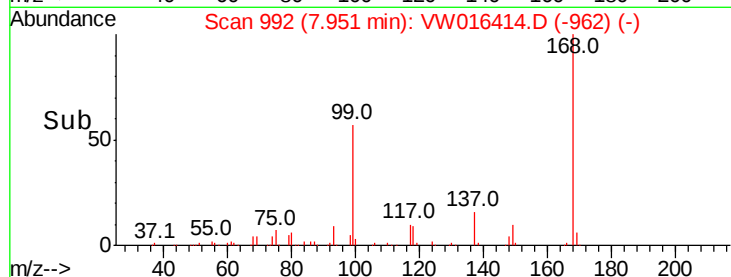
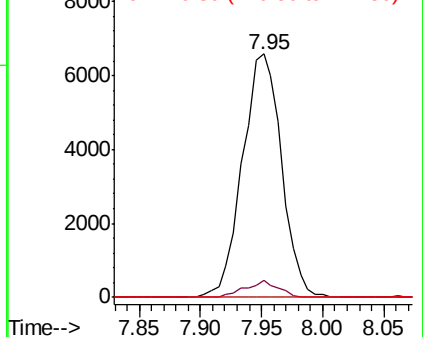
#38
Carbon Tetrachloride
Concen: 5.957 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW016414.D
Acq: 31 Aug 2020 16:23

Instrument :
MSVOA_W
ClientSampleId :
LINDEN-JOP-BH-12-B

Tot Ion:117 Resp: 14633
Ion Ratio Lower Upper
117 100
119 7.2 76.3 114.5#
121 0.0 23.0 34.6#

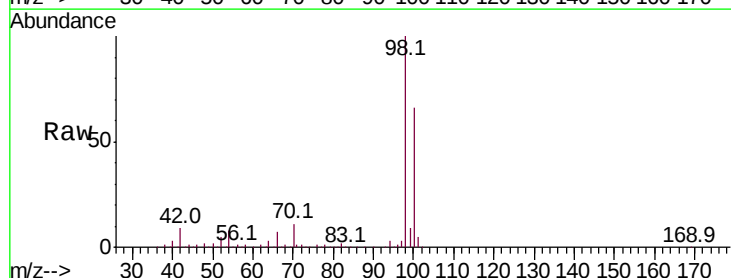


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

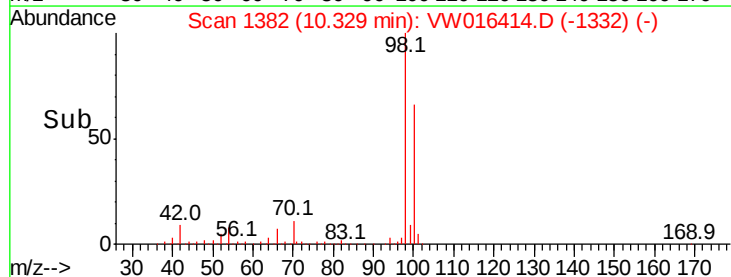
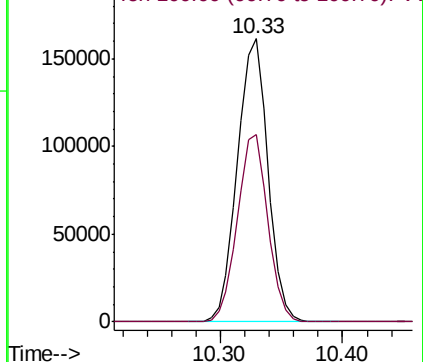


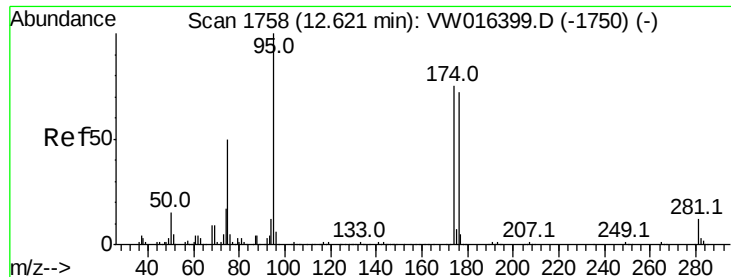
#50
Toluene-d8
Concen: 50.108 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. 0.01 min
Lab File: VW016414.D
Acq: 31 Aug 2020 16:23

Tgt Ion: 98 Resp: 279776
Ion Ratio Lower Upper
98 100
100 65.8 52.6 78.8



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): V

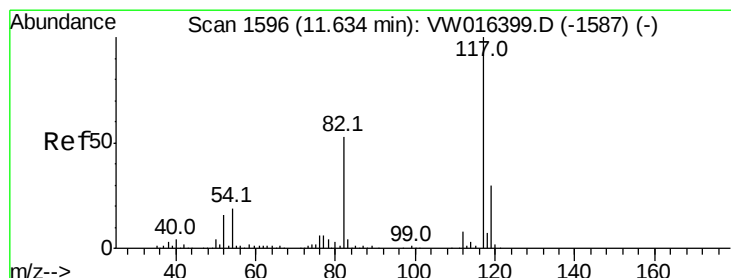
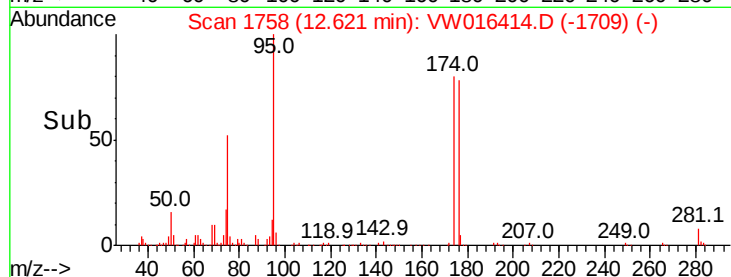
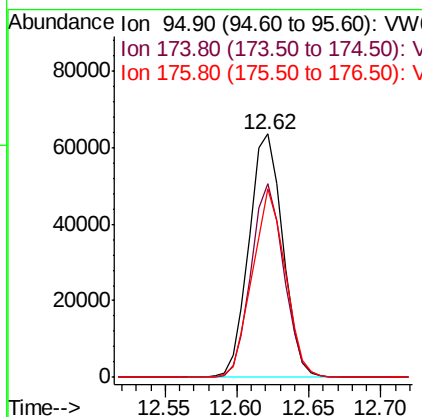
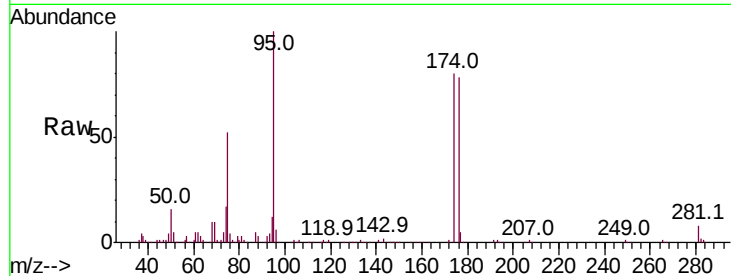




#62
4-Bromofluorobenzene
Concen: 49.295 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW016414.D
Acq: 31 Aug 2020 16:23

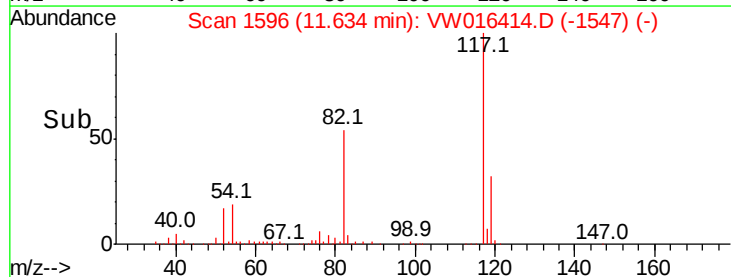
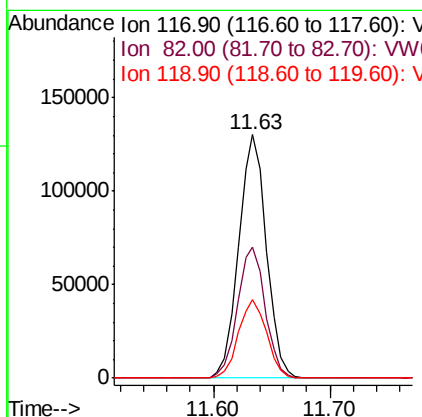
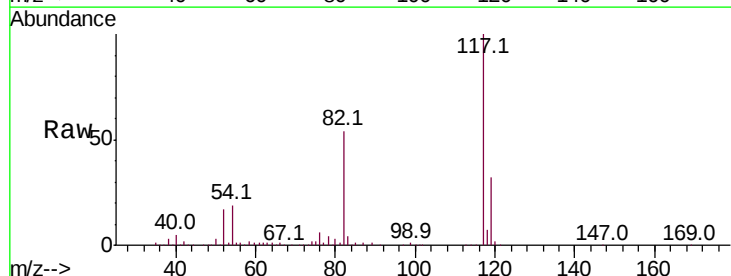
Instrument :
MSVOA_W
ClientSampleId :
LINDEN-JOP-BH-12-B

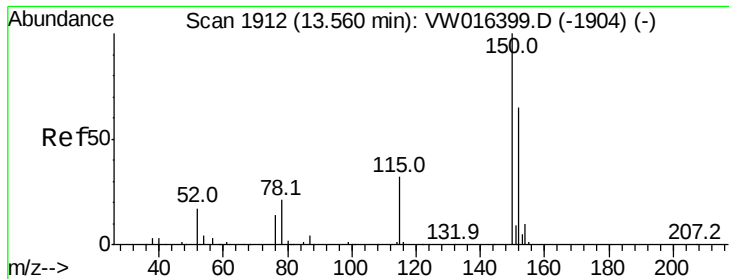
Tot Ion	Ratio	Lower	Upper
95	100		
174	77.2	0.0	152.0
176	75.3	0.0	145.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW016414.D
Acq: 31 Aug 2020 16:23

Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.8	42.2	63.4
119	32.1	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: VW016414.D

Acq: 31 Aug 2020 16:23

Instrument :

MSVOA_W

ClientSampleId :

LINDEN-JOP-BH-12-B

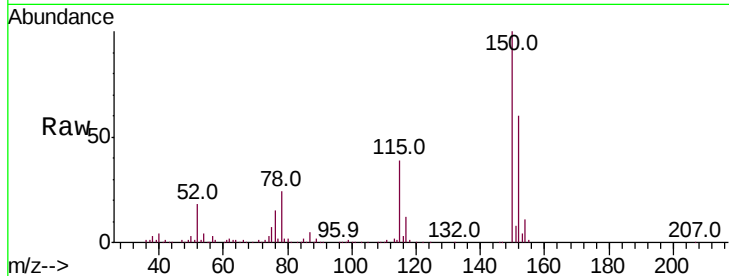
Tot Ion:152 Resp: 97101

Ion Ratio Lower Upper

152 100

115 63.6 30.9 92.5

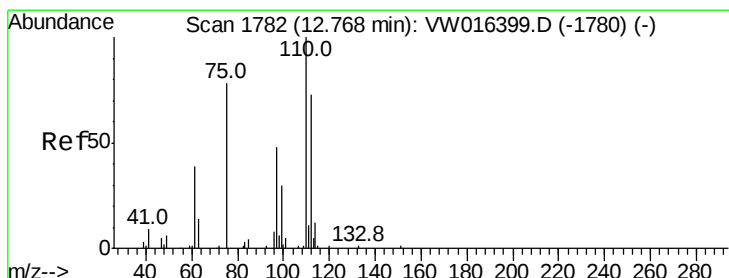
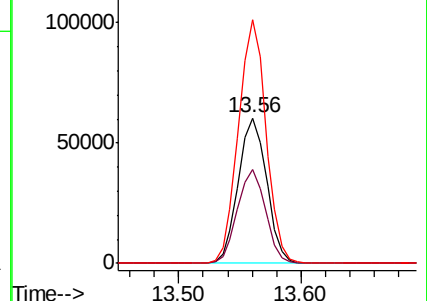
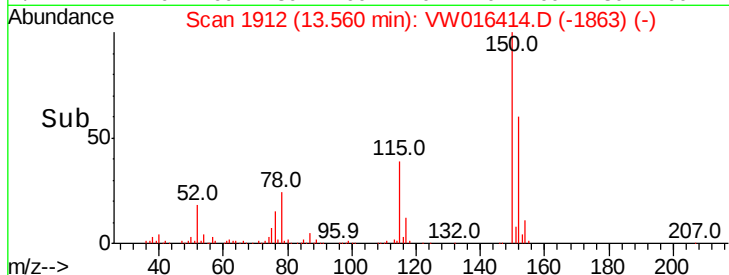
150 162.3 0.0 351.0



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: 60.773 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW016414.D

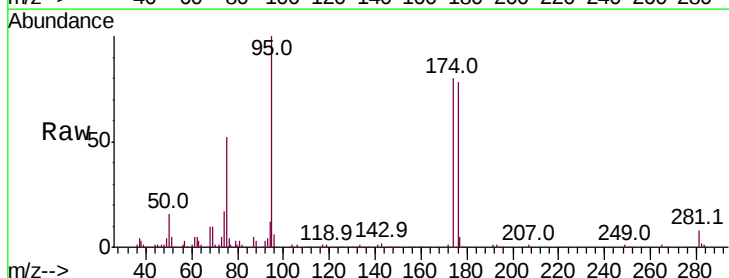
Acq: 31 Aug 2020 16:23

Tgt Ion: 75 Resp: 52181

Ion Ratio Lower Upper

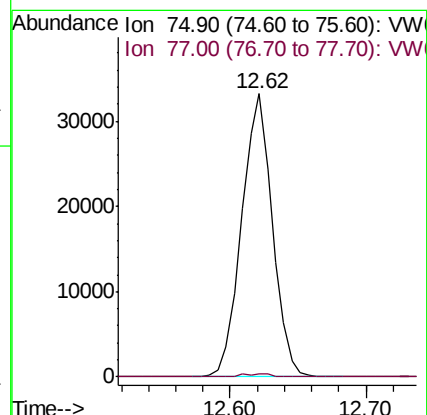
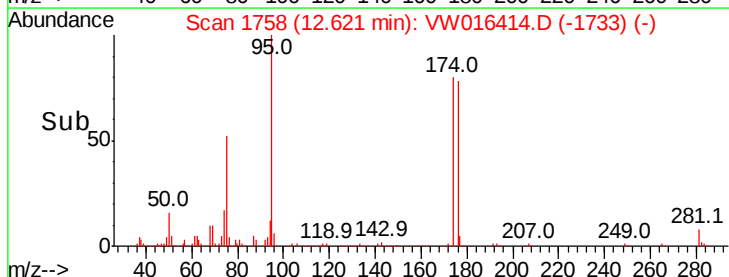
75 100

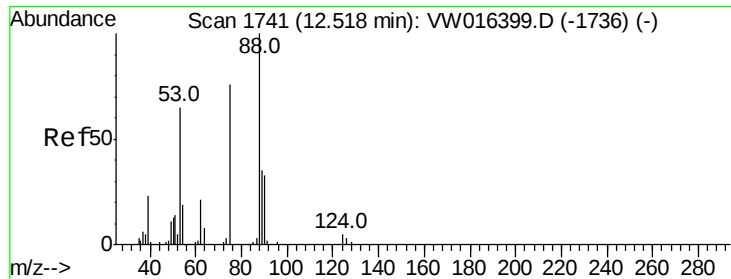
77 1.2 173.4 520.2#



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: 134.927 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW016414.D

Acq: 31 Aug 2020 16:23

Instrument :

MSVOA_W

ClientSampleId :

LINDEN-JOP-BH-12-B

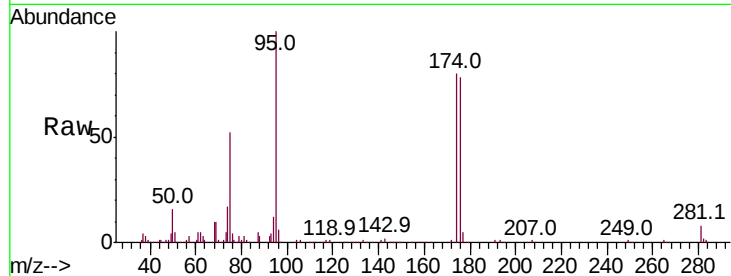
Tot Ion: 75 Resp: 52181

Ion Ratio Lower Upper

75 100

53 0.0 75.2 112.8#

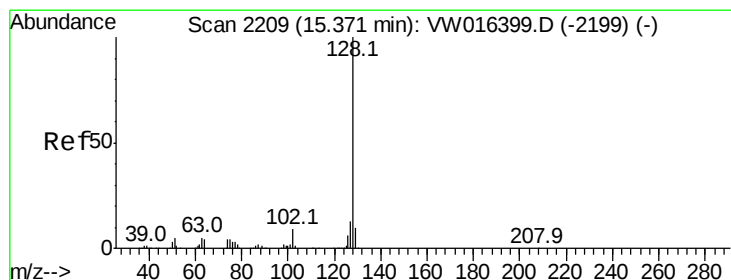
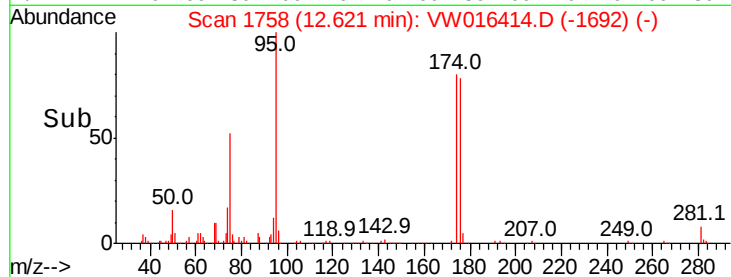
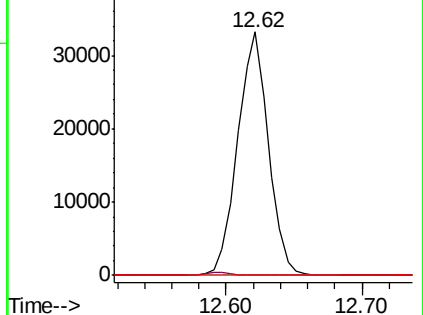
89 0.0 40.4 60.6#



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: 1.411 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW016414.D

Acq: 31 Aug 2020 16:23

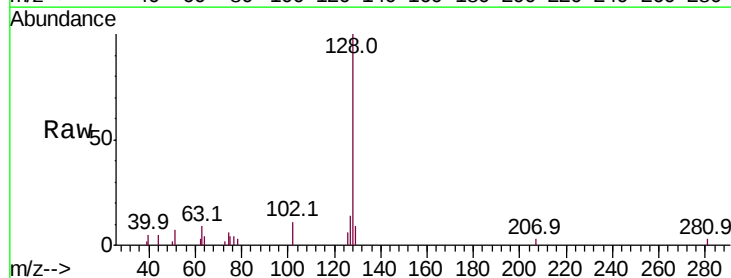
Tgt Ion: 128 Resp: 4961

Ion Ratio Lower Upper

128 100

127 15.5 10.2 15.4#

129 11.1 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

