

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111320\
 Data File : VN064632.D
 Acq On : 13 Nov 2020 15:25
 Operator : JC/MD
 Sample : L4747-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB178-TB-20201111

Quant Time: Nov 17 01:57:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 12:09:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	222399	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	472313	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	478189	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	179586	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	227403	58.70	ug/l	0.00
Spiked Amount			Recovery	=	117.40%	
35) Dibromofluoromethane	7.55	113	169082	52.58	ug/l	0.00
Spiked Amount			Recovery	=	105.16%	
50) Toluene-d8	10.06	98	600978	48.35	ug/l	0.00
Spiked Amount			Recovery	=	96.70%	
62) 4-Bromofluorobenzene	12.38	95	220491	46.91	ug/l	0.00
Spiked Amount			Recovery	=	93.82%	

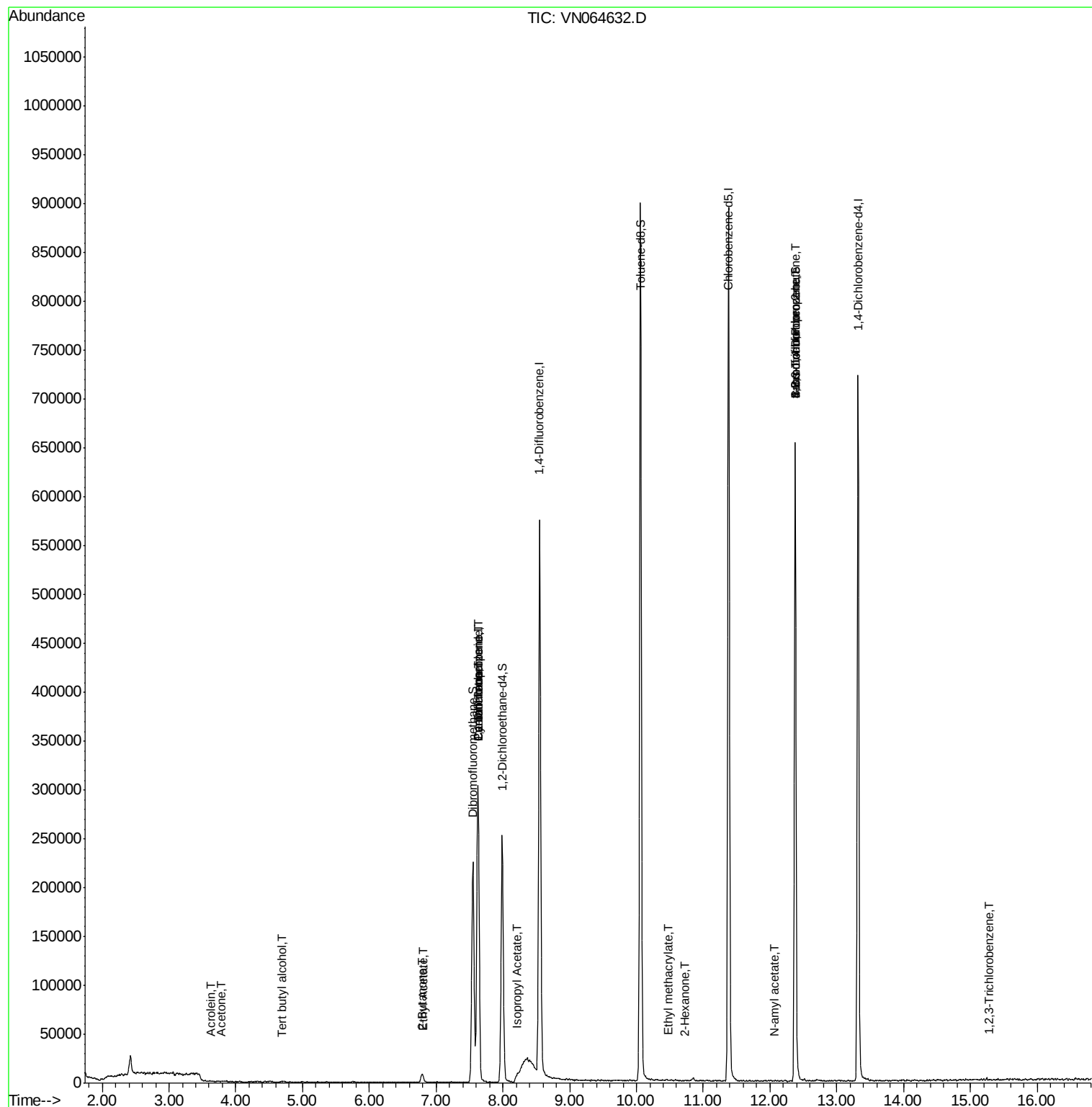
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.68	59	322	0.754	ug/l #	71
13) Acrolein	3.64	56	61	0.230	ug/l #	15
16) Acetone	3.78	43	402	0.272	ug/l #	48
25) 2-Butanone	6.79	43	528	0.281	ug/l #	52
31) Cyclohexane	7.62	56	3151	0.669	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	21701	4.349	ug/l #	44
37) Ethyl Acetate	6.81	43	229	0.807	ug/l #	43
38) Carbon Tetrachloride	7.63	117	26325	4.937	ug/l #	17
43) Isopropyl Acetate	8.22	43	8032	0.993	ug/l #	64
56) Ethyl methacrylate	10.48	69	30	1.846	ug/l #	1
59) 2-Hexanone	10.72	43	209	4.082	ug/l #	28
71) Bromoform	12.38	173	1351	1.723	ug/l #	1
74) N-amyl acetate	12.07	43	338	1.262	ug/l #	46
76) 1,2,3-Trichloropropane	12.38	75	125348	28.808	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	125348	80.434	ug/l #	8
96) 1,2,3-Trichlorobenzene	15.29	180	31	2.786	ug/l #	12

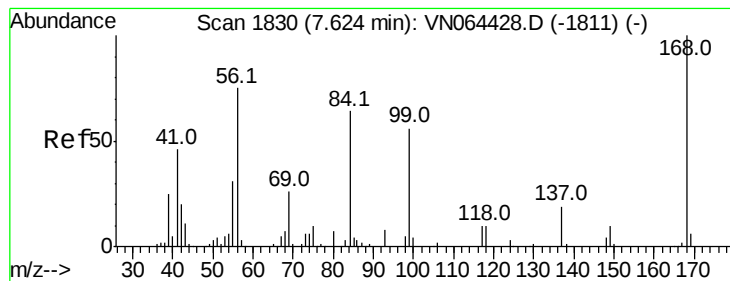
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN111320\
Data File : VN064632.D
Acq On : 13 Nov 2020 15:25
Operator : JC/MD
Sample : L4747-01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB178-TB-20201111

Quant Time: Nov 17 01:57:36 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N110420W.M
Quant Title : SW846 8260
QLast Update : Wed Nov 04 12:09:03 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064632.D

Acq: 13 Nov 2020 15:25

Instrument :

MSVOA_N

ClientSampleId :

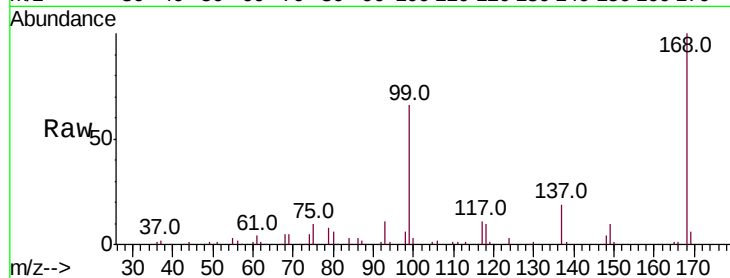
BP-VPB178-TB-20201111

Tot Ion:168 Resp: 222399

Ion Ratio Lower Upper

168 100

99 66.5 53.4 80.2



Abundance Ion 167.90 (167.60 to 168.60): VN064428.D (-1811) (-)

Ion 98.90 (98.60 to 99.60): VN064428.D (-1811) (-)

7.63

100000

80000

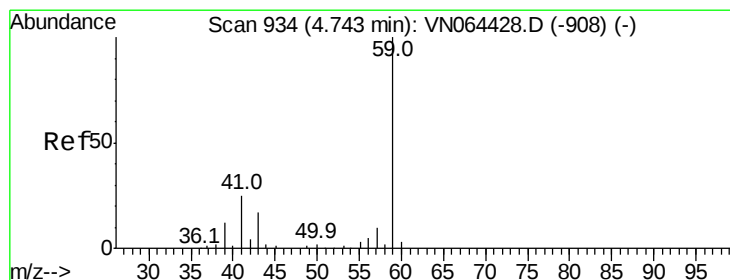
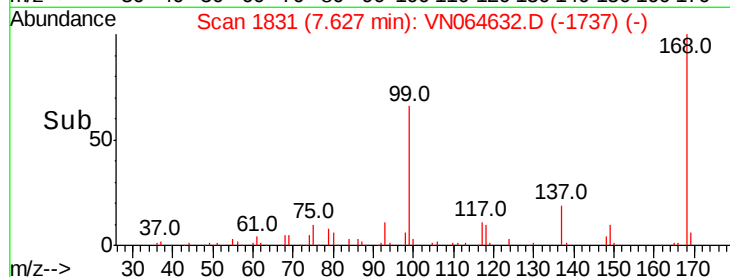
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 0.754 ug/l

RT: 4.68 min Scan# 915

Delta R.T. -0.06 min

Lab File: VN064632.D

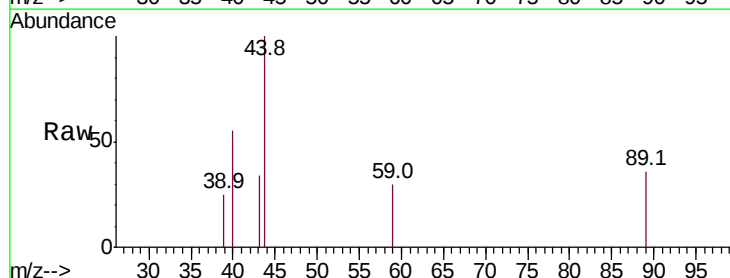
Acq: 13 Nov 2020 15:25

Tgt Ion: 59 Resp: 322

Ion Ratio Lower Upper

59 100

57 0.0 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VN064428.D (-908) (-)

Ion 57.00 (56.70 to 57.70): VN064428.D (-908) (-)

4.68

200

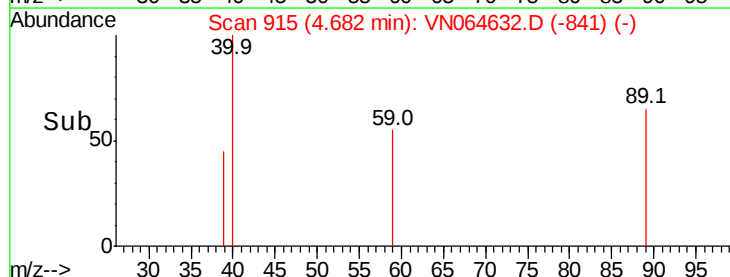
150

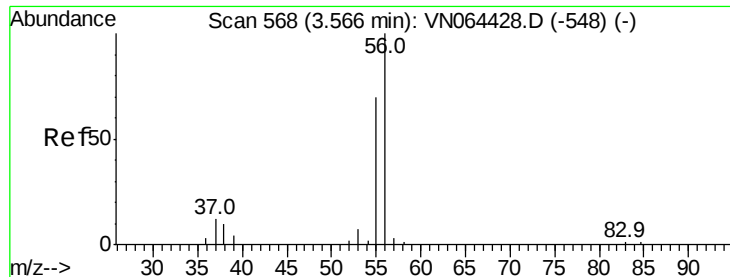
100

50

0

Time-->





#13

Acrolein

Concen: 0.230 ug/l

RT: 3.64 min Scan# 592

Delta R.T. 0.08 min

Lab File: VN064632.D

Acq: 13 Nov 2020 15:25

Instrument :

MSVOA_N

ClientSampleId :

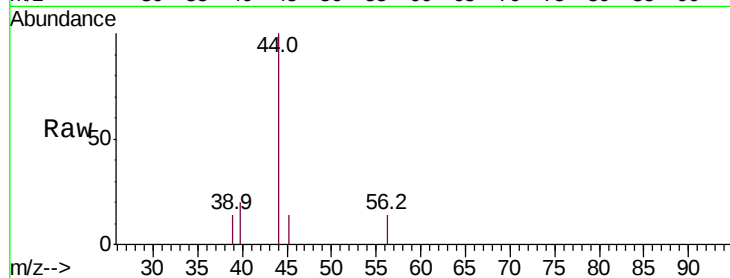
BP-VPB178-TB-20201111

Tot Ion: 56 Resp: 61

Ion Ratio Lower Upper

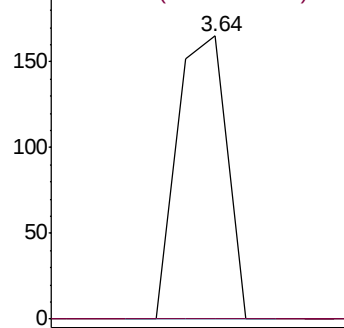
56 100

55 0.0 55.9 83.9#

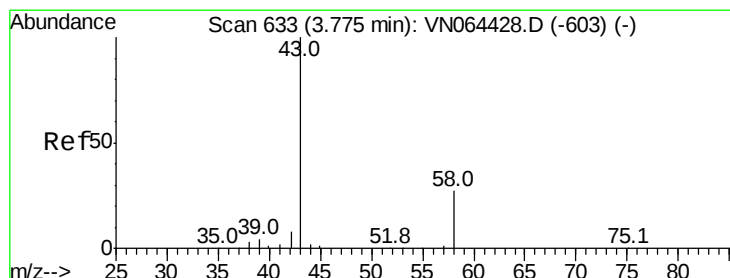
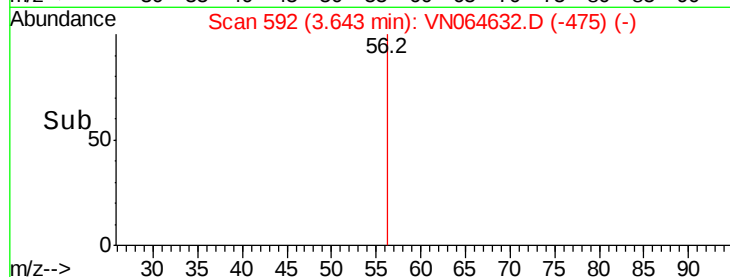


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



Time-->



#16

Acetone

Concen: 0.272 ug/l

RT: 3.78 min Scan# 634

Delta R.T. 0.00 min

Lab File: VN064632.D

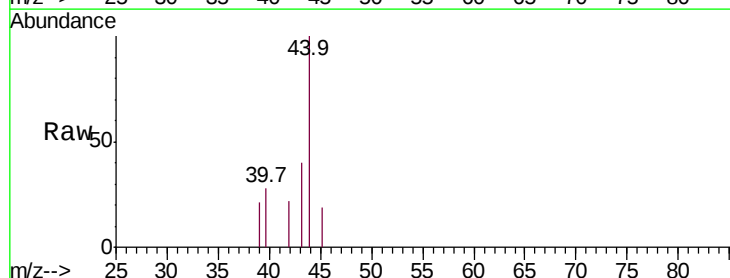
Acq: 13 Nov 2020 15:25

Tgt Ion: 43 Resp: 402

Ion Ratio Lower Upper

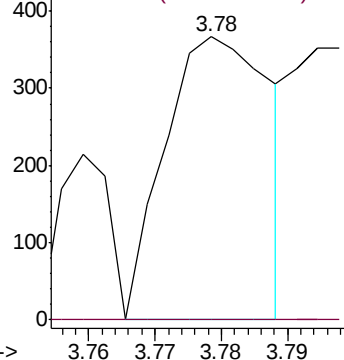
43 100

58 0.0 21.4 32.0#

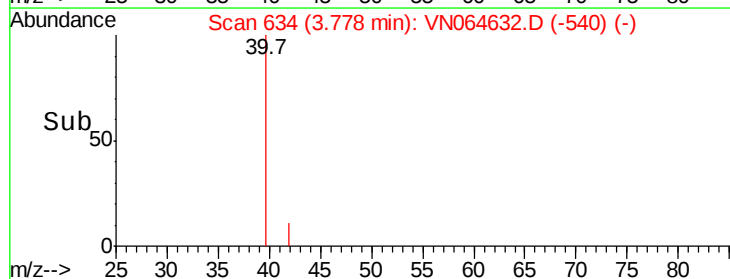


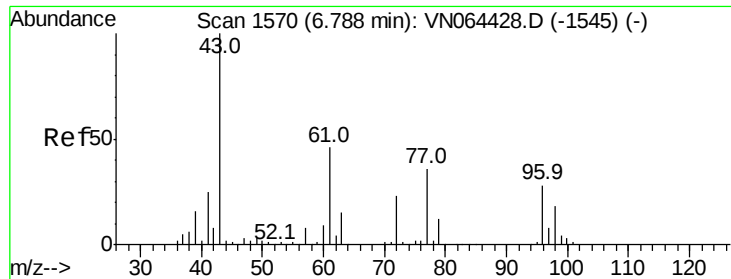
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



Time-->

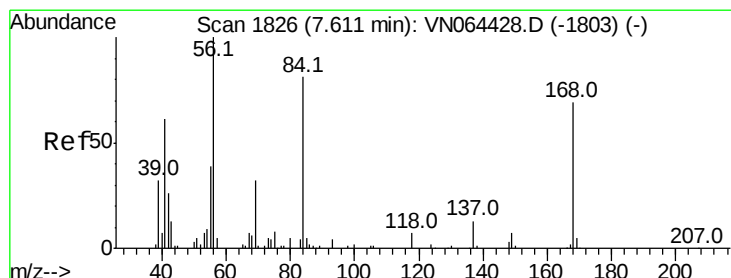
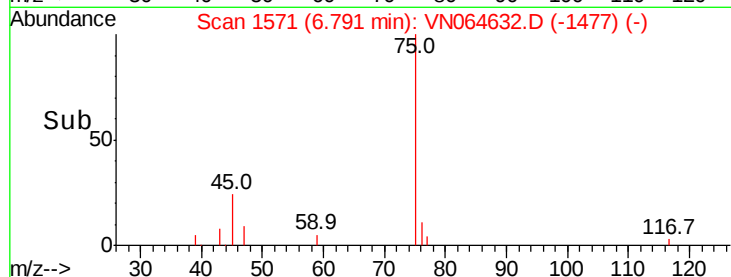
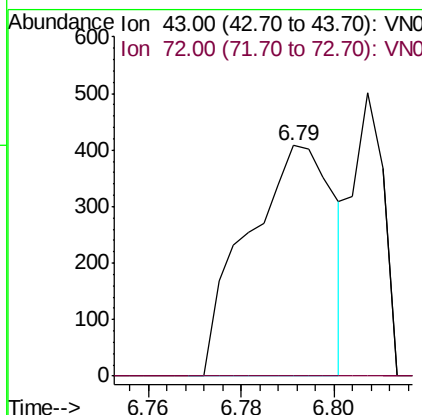
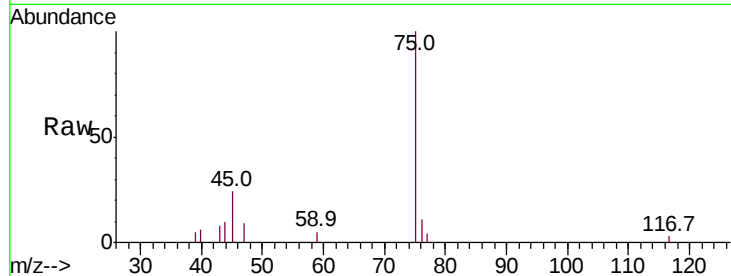




#25
2-Butanone
Concen: 0.281 ug/l
RT: 6.79 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VN064632.D
Acq: 13 Nov 2020 15:25

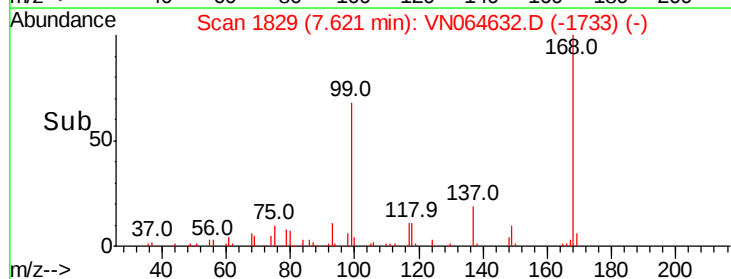
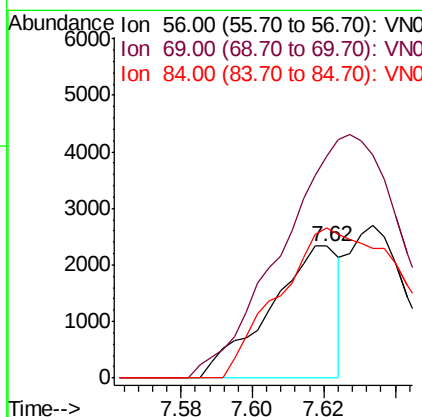
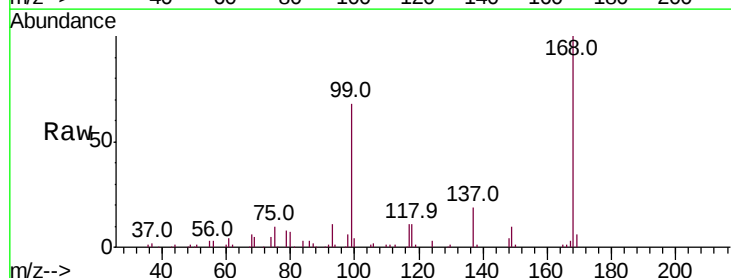
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB178-TB-20201111

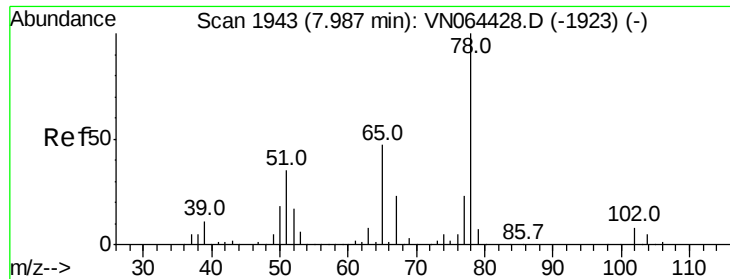
Tot Ion: 43 Resp: 528
Ion Ratio Lower Upper
43 100
72 0.0 18.5 27.7#



#31
Cyclohexane
Concen: 0.669 ug/l
RT: 7.62 min Scan# 1829
Delta R.T. 0.01 min
Lab File: VN064632.D
Acq: 13 Nov 2020 15:25

Tgt Ion: 56 Resp: 3151
Ion Ratio Lower Upper
56 100
69 167.7 25.6 38.4#
84 113.9 63.0 94.6#





#33

1,2-Dichloroethane-d4

Concen: 58.702 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VN064632.D

Acq: 13 Nov 2020 15:25

Instrument :

MSVOA_N

ClientSampleId :

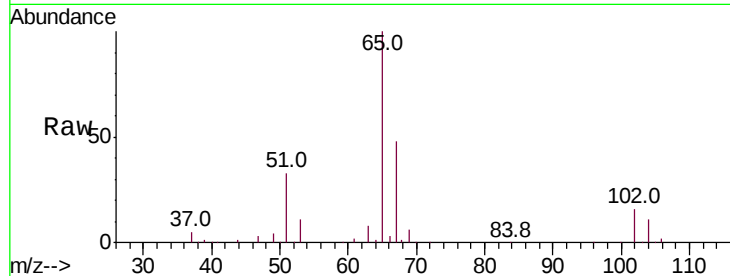
BP-VPB178-TB-20201111

Tot Ion: 65 Resp: 227403

Ion Ratio Lower Upper

65 100

67 50.0 0.0 101.6



Abundance Ion 64.90 (64.60 to 65.60): VN064632.D (-1850) (-)

Ion 66.90 (66.60 to 67.60): VN064632.D (-1850) (-)

7.99

100000

80000

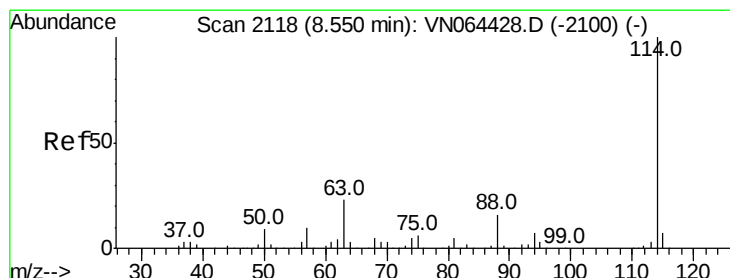
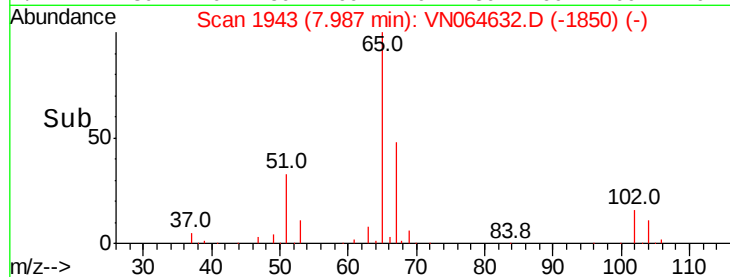
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN064632.D

Acq: 13 Nov 2020 15:25

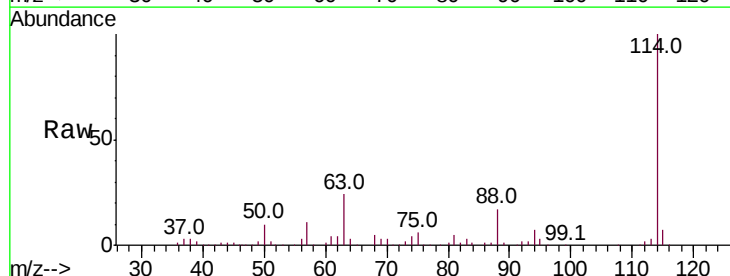
Tgt Ion: 114 Resp: 472313

Ion Ratio Lower Upper

114 100

63 23.5 0.0 45.6

88 16.5 0.0 32.8



Abundance Ion 113.90 (113.60 to 114.60): VN064632.D (-2025) (-)

Ion 63.00 (62.70 to 63.70): VN064632.D (-2025) (-)

Ion 87.90 (87.60 to 88.60): VN064632.D (-2025) (-)

8.55

300000

250000

200000

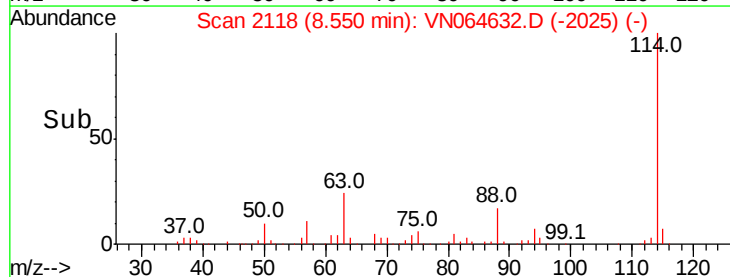
150000

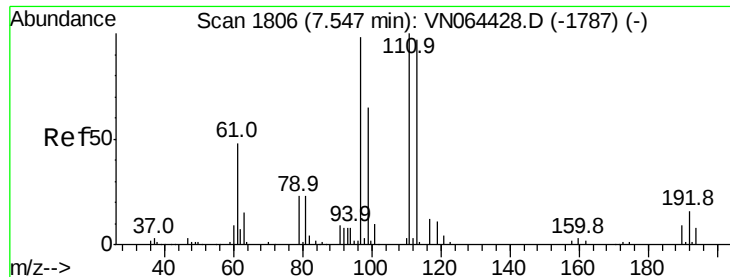
100000

50000

0

Time-->

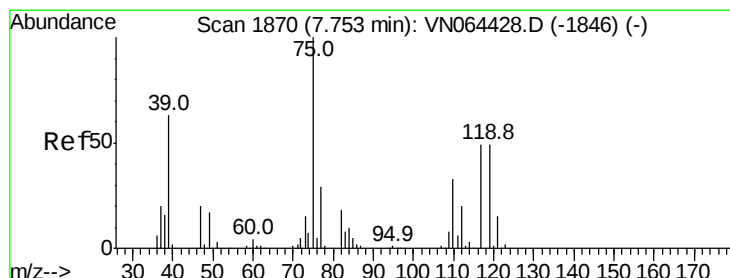
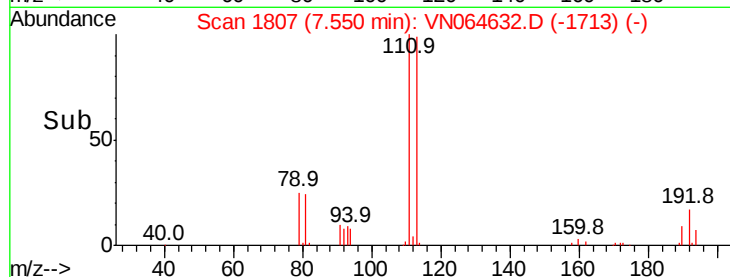
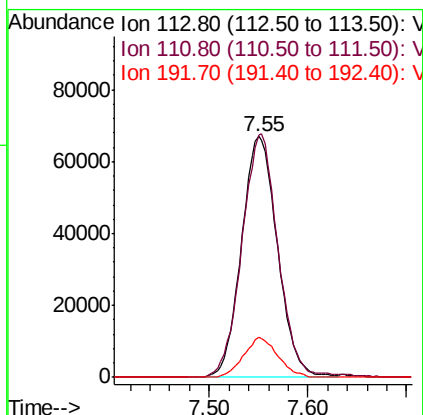
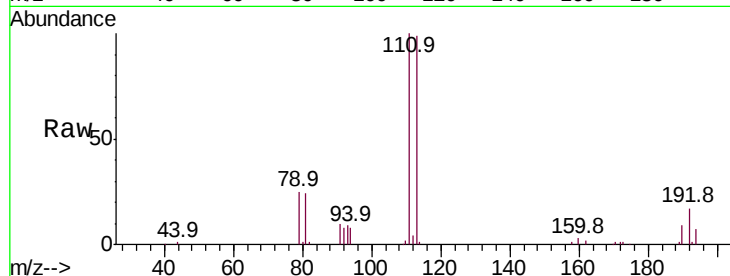




#35
 Dibromofluoromethane
 Concen: 52.578 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN064632.D
 Acq: 13 Nov 2020 15:25

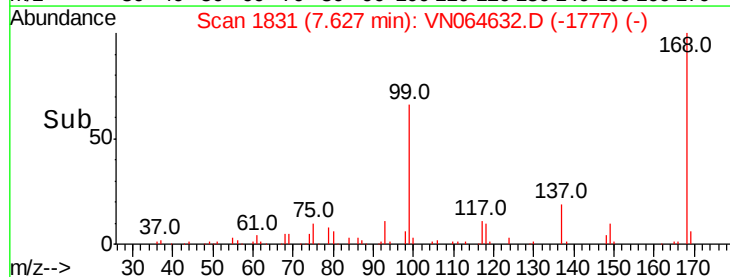
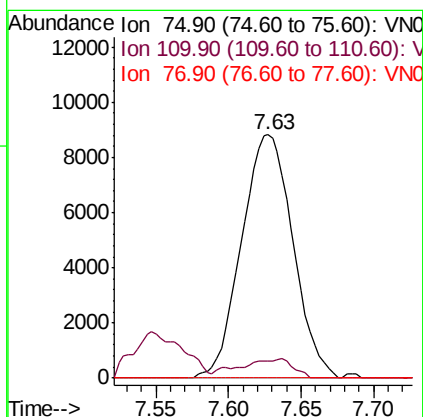
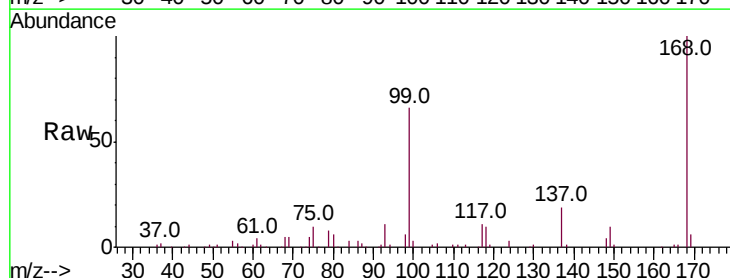
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB178-TB-20201111

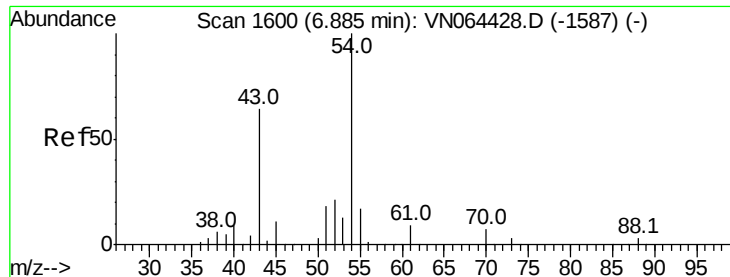
Tot Ion:113 Resp: 169082
 Ion Ratio Lower Upper
 113 100
 111 101.7 81.1 121.7
 192 15.9 12.8 19.2



#36
 1,1-Dichloropropene
 Concen: 4.349 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN064632.D
 Acq: 13 Nov 2020 15:25

Tgt Ion: 75 Resp: 21701
 Ion Ratio Lower Upper
 75 100
 110 0.9 16.0 48.0#
 77 0.0 24.0 36.0#

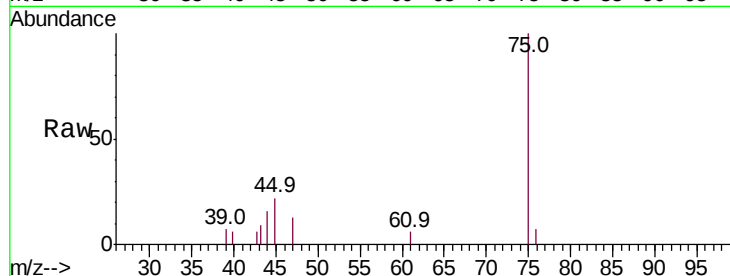




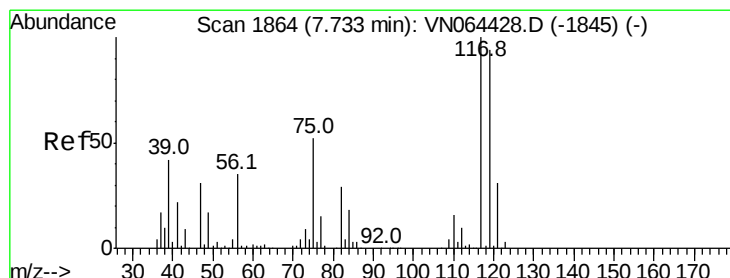
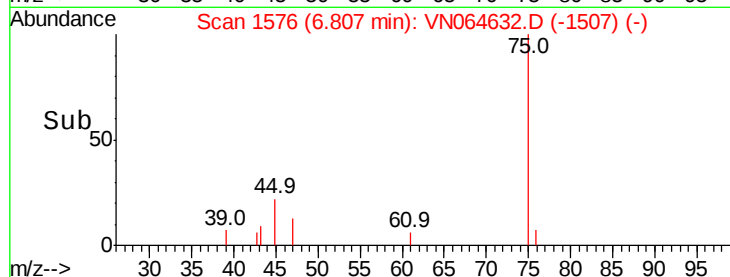
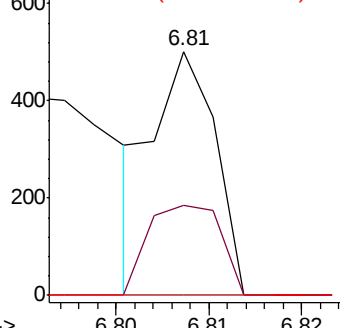
#37
Ethyl Acetate
Concen: 0.807 ug/l
RT: 6.81 min Scan# 1576
Delta R.T. -0.08 min
Lab File: VN064632.D
Acq: 13 Nov 2020 15:25

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB178-TB-20201111

Tot Ion: 43 Resp: 229
Ion Ratio Lower Upper
43 100
61 44.1 10.0 15.0#
70 0.0 7.1 10.7#

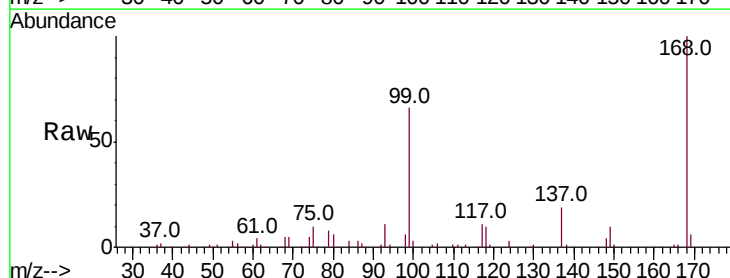


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

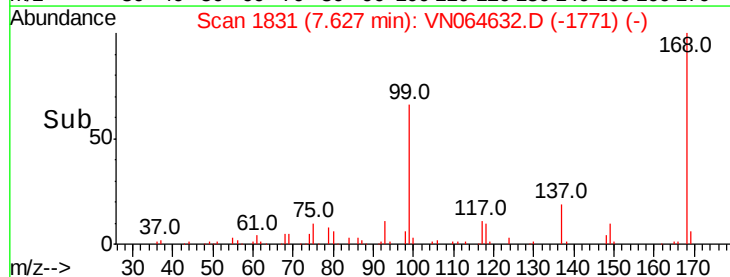
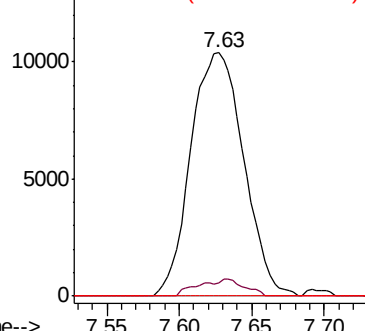


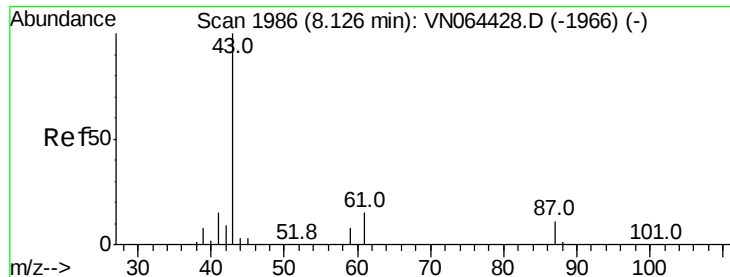
#38
Carbon Tetrachloride
Concen: 4.937 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. -0.11 min
Lab File: VN064632.D
Acq: 13 Nov 2020 15:25

Tgt Ion: 117 Resp: 26325
Ion Ratio Lower Upper
117 100
119 5.4 75.5 113.3#
121 0.0 24.4 36.6#



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





#43

Isopropyl Acetate

Concen: 0.993 ug/l

RT: 8.22 min Scan# 2016

Delta R.T. 0.10 min

Lab File: VN064632.D

Acq: 13 Nov 2020 15:25

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB178-TB-20201111

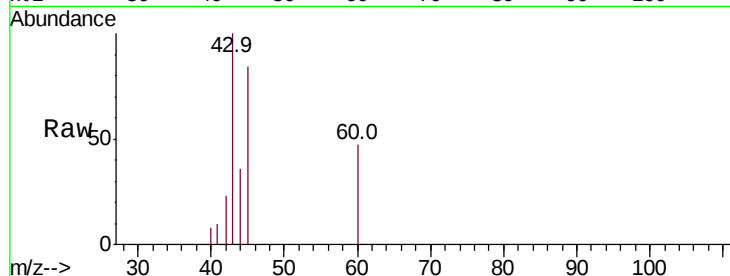
Tot Ion: 43 Resp: 8032

Ion Ratio Lower Upper

43 100

61 0.0 14.0 21.0#

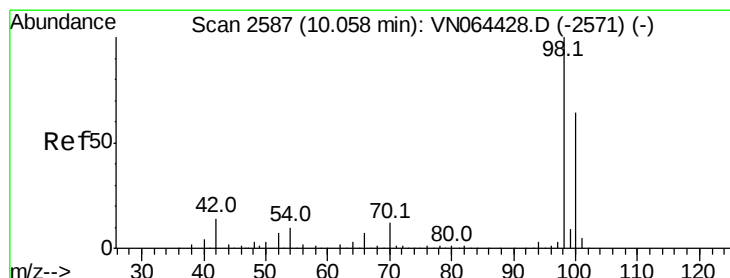
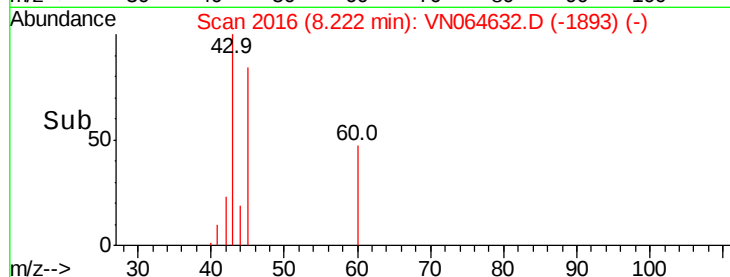
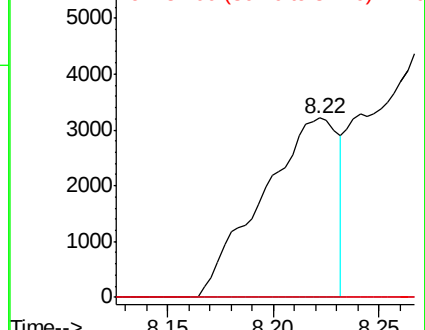
87 0.0 9.1 13.7#



Abundance Ion 43.00 (42.70 to 43.70): VN064428.D (-1966) (-)

Ion 61.00 (60.70 to 61.70): VN064428.D (-1966) (-)

Ion 87.00 (86.70 to 87.70): VN064428.D (-1966) (-)



#50

Toluene-d8

Concen: 48.352 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN064632.D

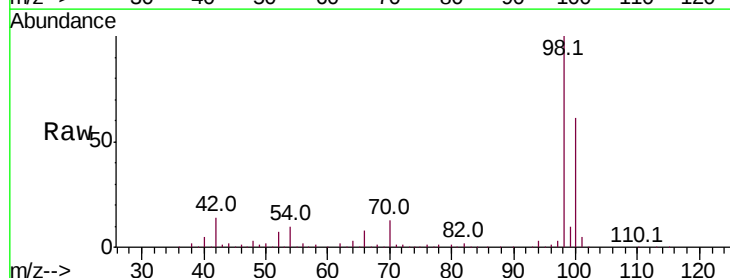
Acq: 13 Nov 2020 15:25

Tgt Ion: 98 Resp: 600978

Ion Ratio Lower Upper

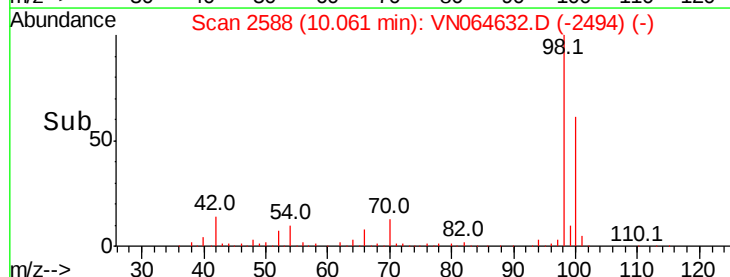
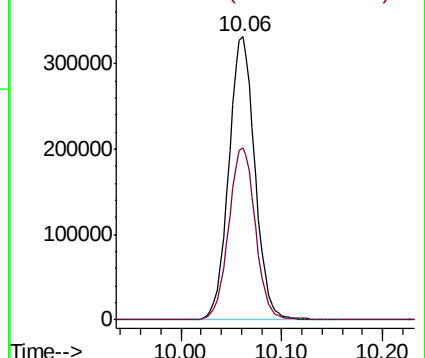
98 100

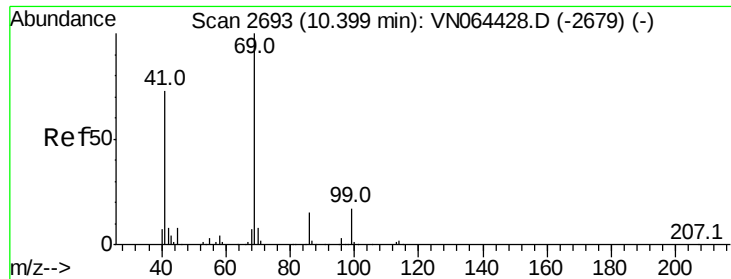
100 62.0 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN064428.D (-2571) (-)

Ion 100.00 (99.70 to 100.70): VN064428.D (-2571) (-)





#56

Ethyl methacrylate

Concen: 1.846 ug/l

RT: 10.48 min Scan# 2718

Delta R.T. 0.08 min

Lab File: VN064632.D

Acq: 13 Nov 2020 15:25

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB178-TB-20201111

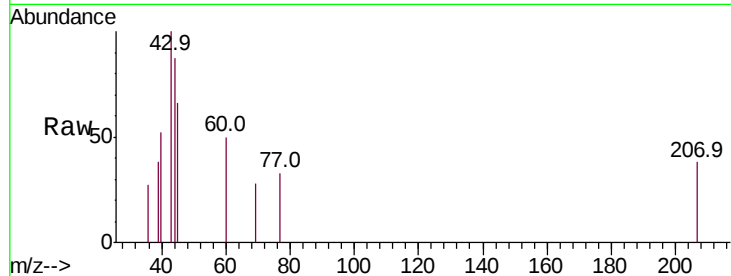
Tot Ion: 69 Resp: 30

Ion Ratio Lower Upper

69 100

41 0.0 59.3 88.9#

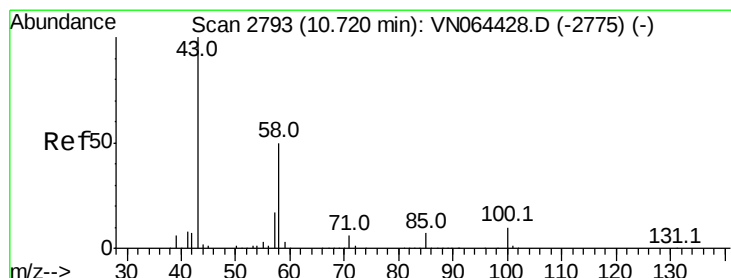
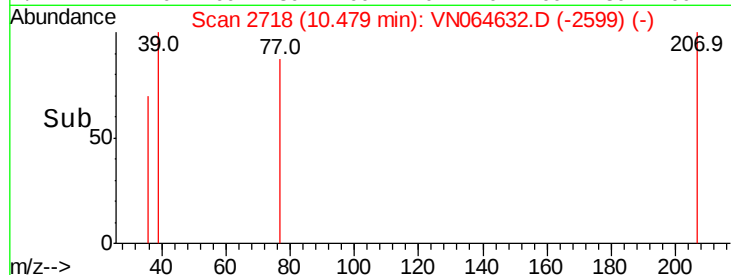
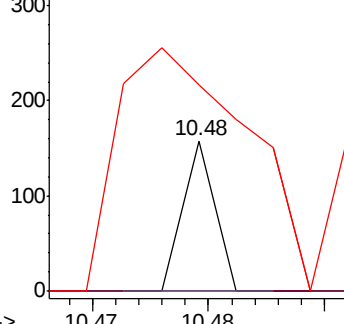
39 656.7 35.4 53.0#



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#59

2-Hexanone

Concen: 4.082 ug/l

RT: 10.72 min Scan# 2794

Delta R.T. 0.00 min

Lab File: VN064632.D

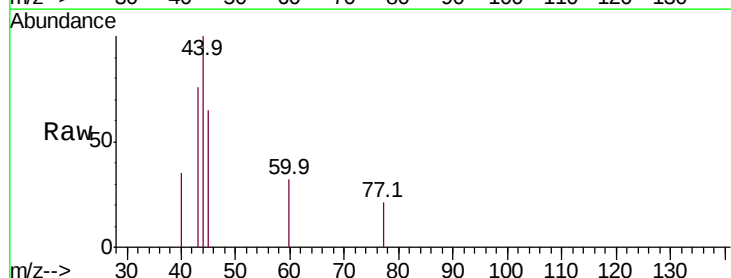
Acq: 13 Nov 2020 15:25

Tgt Ion: 43 Resp: 209

Ion Ratio Lower Upper

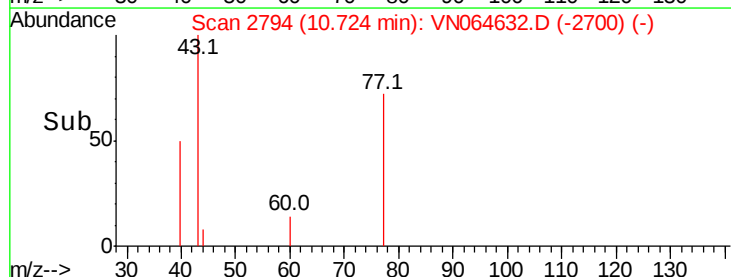
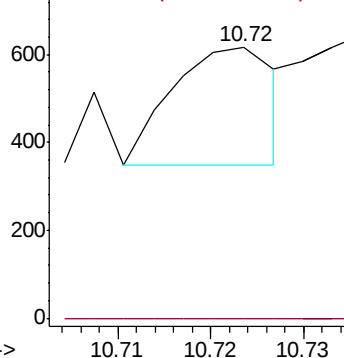
43 100

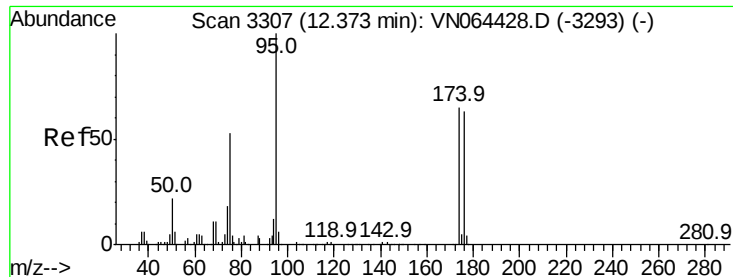
58 0.0 24.7 74.1#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#62

4-Bromofluorobenzene

Concen: 46.908 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN064632.D

Acq: 13 Nov 2020 15:25

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB178-TB-20201111

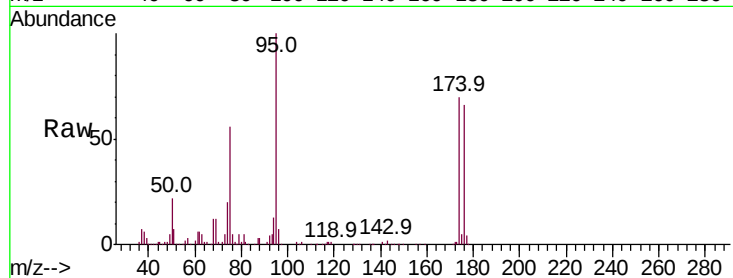
Tot Ion: 95 Resp: 220491

Ion Ratio Lower Upper

95 100

174 71.5 0.0 132.6

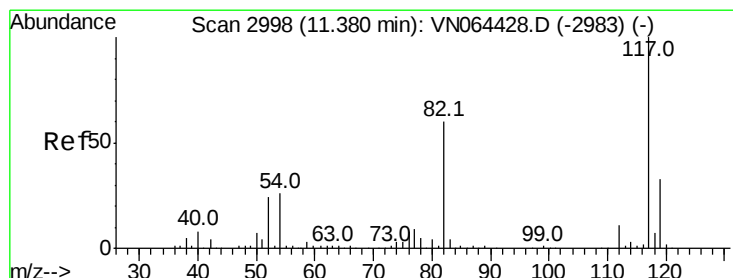
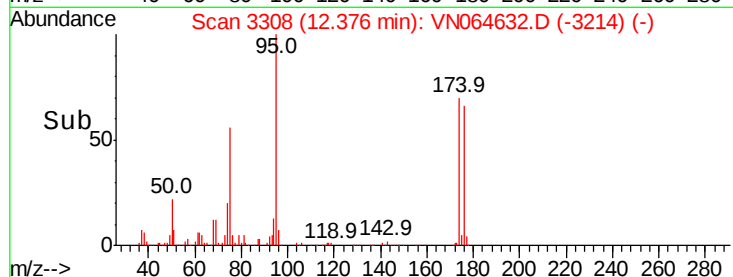
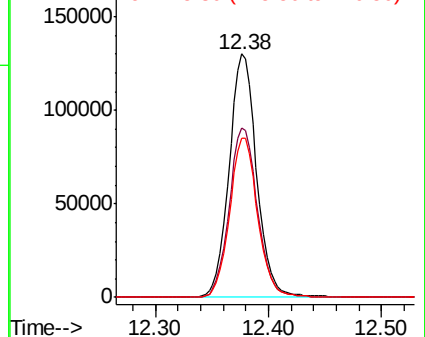
176 66.5 0.0 129.2



Abundance Ion 94.90 (94.60 to 95.60): VN064428.D (-3293) (-)

Ion 173.80 (173.50 to 174.50): VN064428.D (-3293) (-)

Ion 175.80 (175.50 to 176.50): VN064428.D (-3293) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. -0.00 min

Lab File: VN064632.D

Acq: 13 Nov 2020 15:25

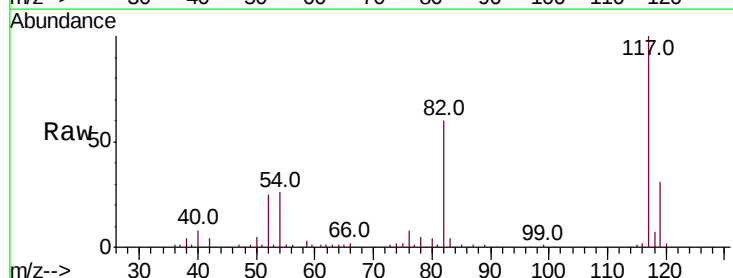
Tgt Ion: 117 Resp: 478189

Ion Ratio Lower Upper

117 100

82 59.9 48.1 72.1

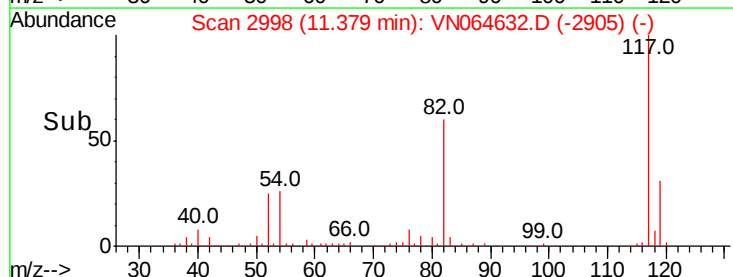
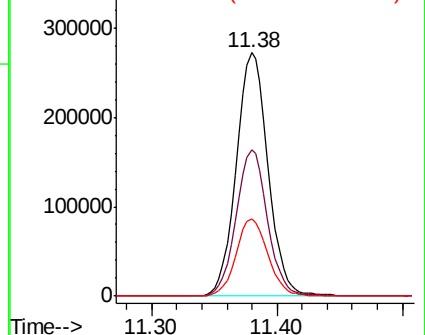
119 31.5 26.2 39.4

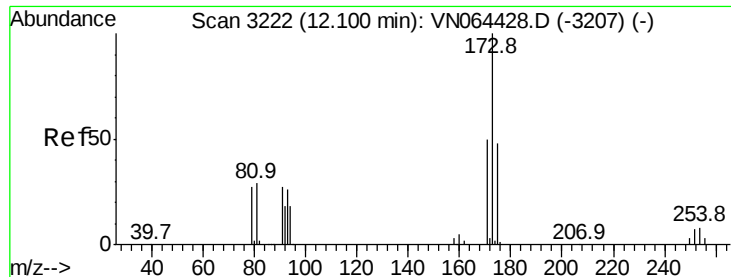


Abundance Ion 116.90 (116.60 to 117.60): VN064428.D (-2983) (-)

Ion 82.00 (81.70 to 82.70): VN064428.D (-2983) (-)

Ion 118.90 (118.60 to 119.60): VN064428.D (-2983) (-)





#71

Bromoform

Concen: 1.723 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.28 min

Lab File: VN064632.D

Acq: 13 Nov 2020 15:25

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB178-TB-20201111

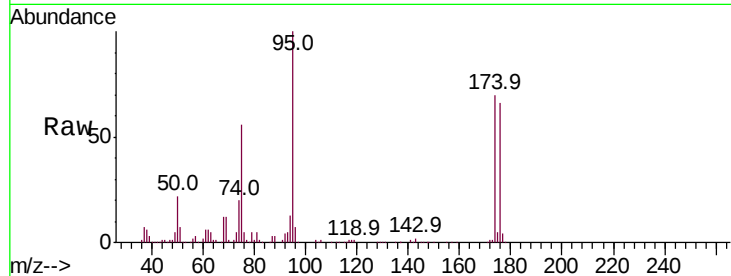
Tot Ion:173 Resp: 1351

Ion Ratio Lower Upper

173 100

175 718.4 23.7 71.1#

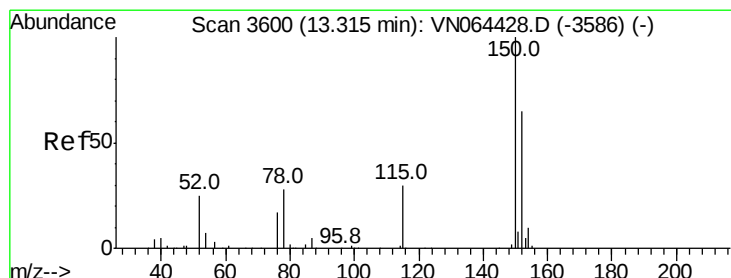
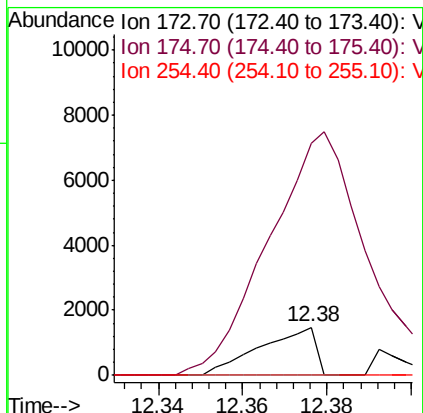
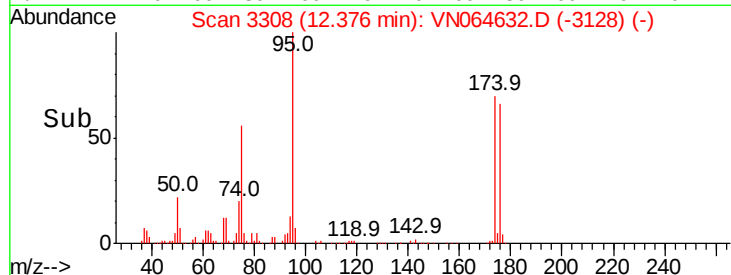
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN064632.D

Acq: 13 Nov 2020 15:25

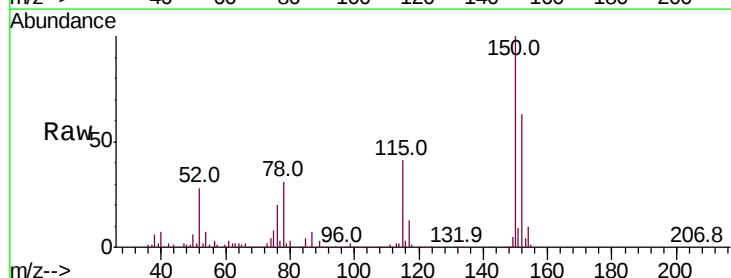
Tgt Ion:152 Resp: 179586

Ion Ratio Lower Upper

152 100

115 65.2 32.0 96.0

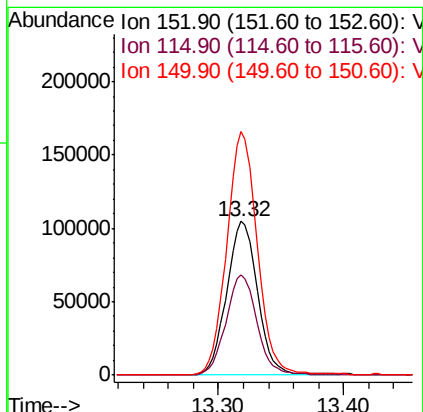
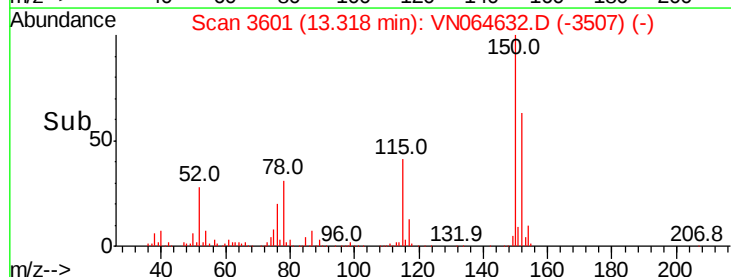
150 155.6 0.0 353.8

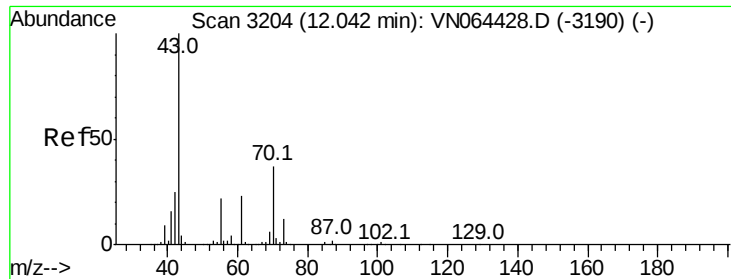


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amyl acetate

Concen: 1.262 ug/l

RT: 12.07 min Scan# 3213

Delta R.T. 0.03 min

Lab File: VN064632.D

Acq: 13 Nov 2020 15:25

Instrument:

MSVOA_N

ClientSampleId:

BP-VPB178-TB-20201111

Tot Ion: 43 Resp: 338

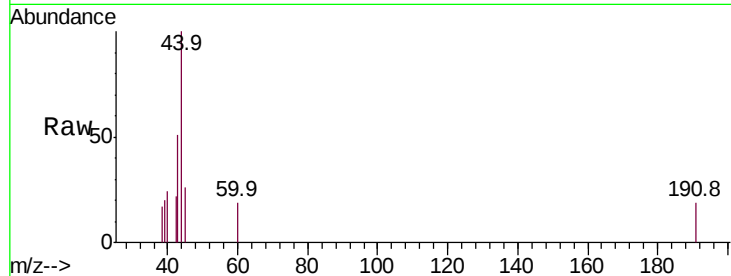
Ion Ratio Lower Upper

43 100

70 0.0 29.6 44.4#

55 0.0 18.4 27.6#

61 0.0 17.8 26.6#

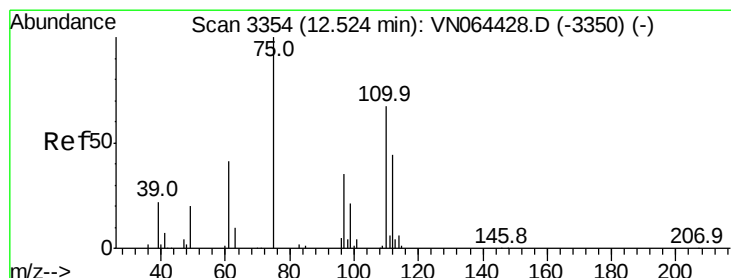
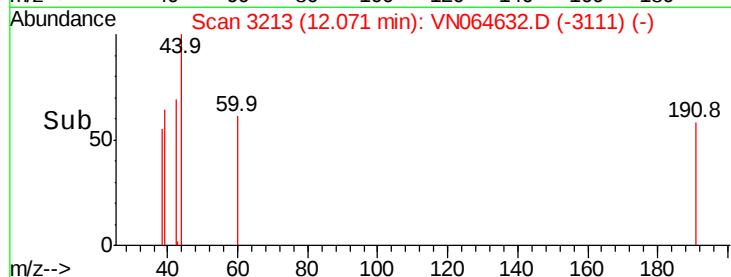
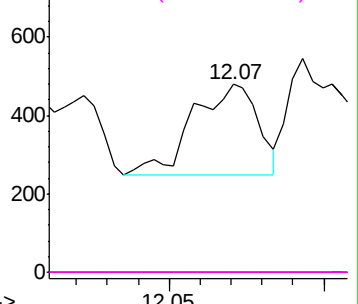


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#76

1,2,3-Trichloropropane

Concen: 28.808 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN064632.D

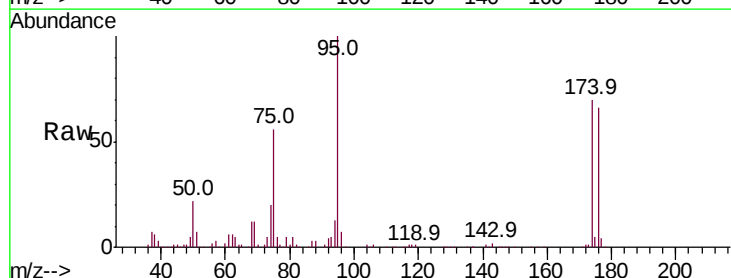
Acq: 13 Nov 2020 15:25

Tgt Ion: 75 Resp: 125348

Ion Ratio Lower Upper

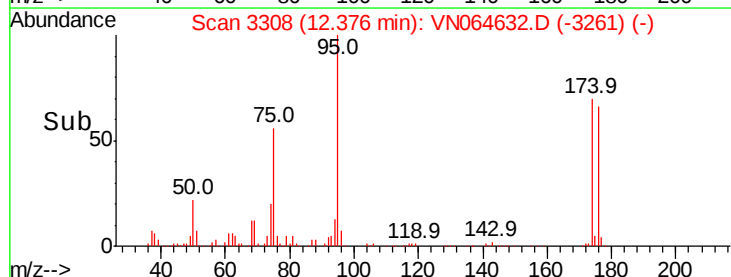
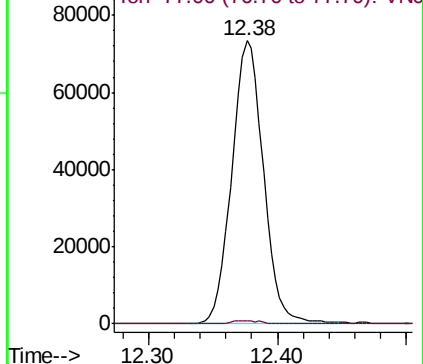
75 100

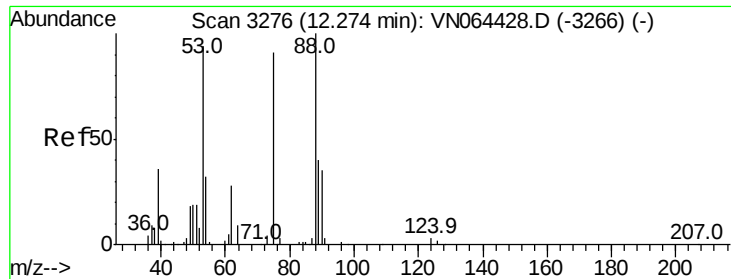
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#81

trans-1,4-Dichloro-2-butene

Concen: 80.434 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN064632.D

Acq: 13 Nov 2020 15:25

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB178-TB-20201111

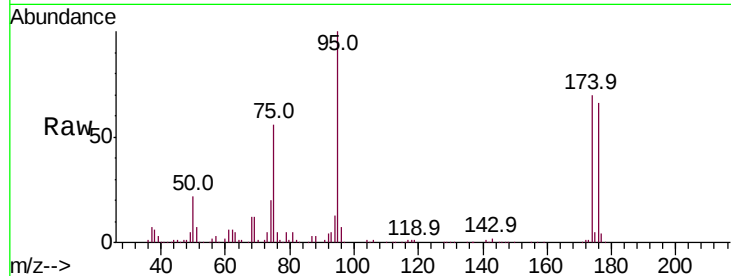
Tot Ion: 75 Resp: 125348

Ion Ratio Lower Upper

75 100

53 0.2 84.0 126.0#

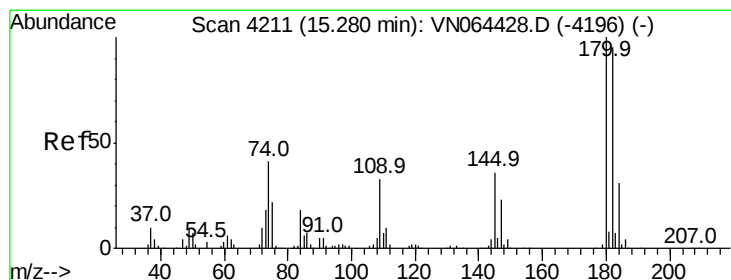
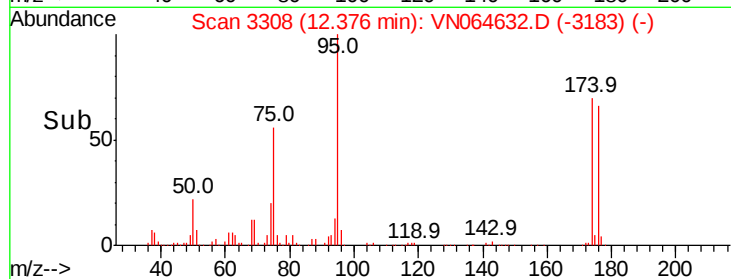
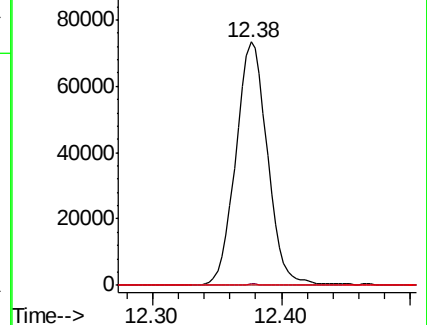
89 0.0 36.3 54.5#



Abundance Ion 74.90 (74.60 to 75.60): VN064428.D (-3266) (-)

Ion 53.00 (52.70 to 53.70): VN064428.D (-3266) (-)

Ion 88.90 (88.60 to 89.60): VN064428.D (-3266) (-)



#96

1,2,3-Trichlorobenzene

Concen: 2.786 ug/l

RT: 15.29 min Scan# 4214

Delta R.T. 0.01 min

Lab File: VN064632.D

Acq: 13 Nov 2020 15:25

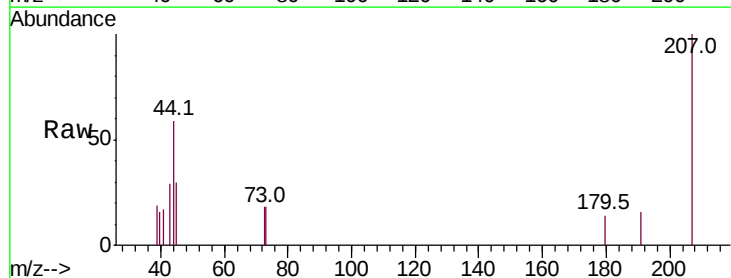
Tgt Ion:180 Resp: 31

Ion Ratio Lower Upper

180 100

182 0.0 47.7 143.1#

145 0.0 18.3 54.8#



Abundance Ion 179.80 (179.50 to 180.50): VN064428.D (-4196) (-)

Ion 181.80 (181.50 to 182.50): VN064428.D (-4196) (-)

Ion 144.90 (144.60 to 145.60): VN064428.D (-4196) (-)

