

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081220\
 Data File : VN062852.D
 Acq On : 12 Aug 2020 12:47
 Operator : JC/MD
 Sample : L3666-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB179-TB-20200807

Quant Time: Aug 13 05:21:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080520W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:26:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	123537	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	214102	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	215562	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	82944	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	104685	51.24	ug/l	0.00
Spiked Amount			Recovery	=	102.48%	
35) Dibromofluoromethane	7.55	113	75425	51.50	ug/l	0.00
Spiked Amount			Recovery	=	103.00%	
50) Toluene-d8	10.06	98	276837	48.42	ug/l	0.00
Spiked Amount			Recovery	=	96.84%	
62) 4-Bromofluorobenzene	12.38	95	101785	47.11	ug/l	0.00
Spiked Amount			Recovery	=	94.22%	

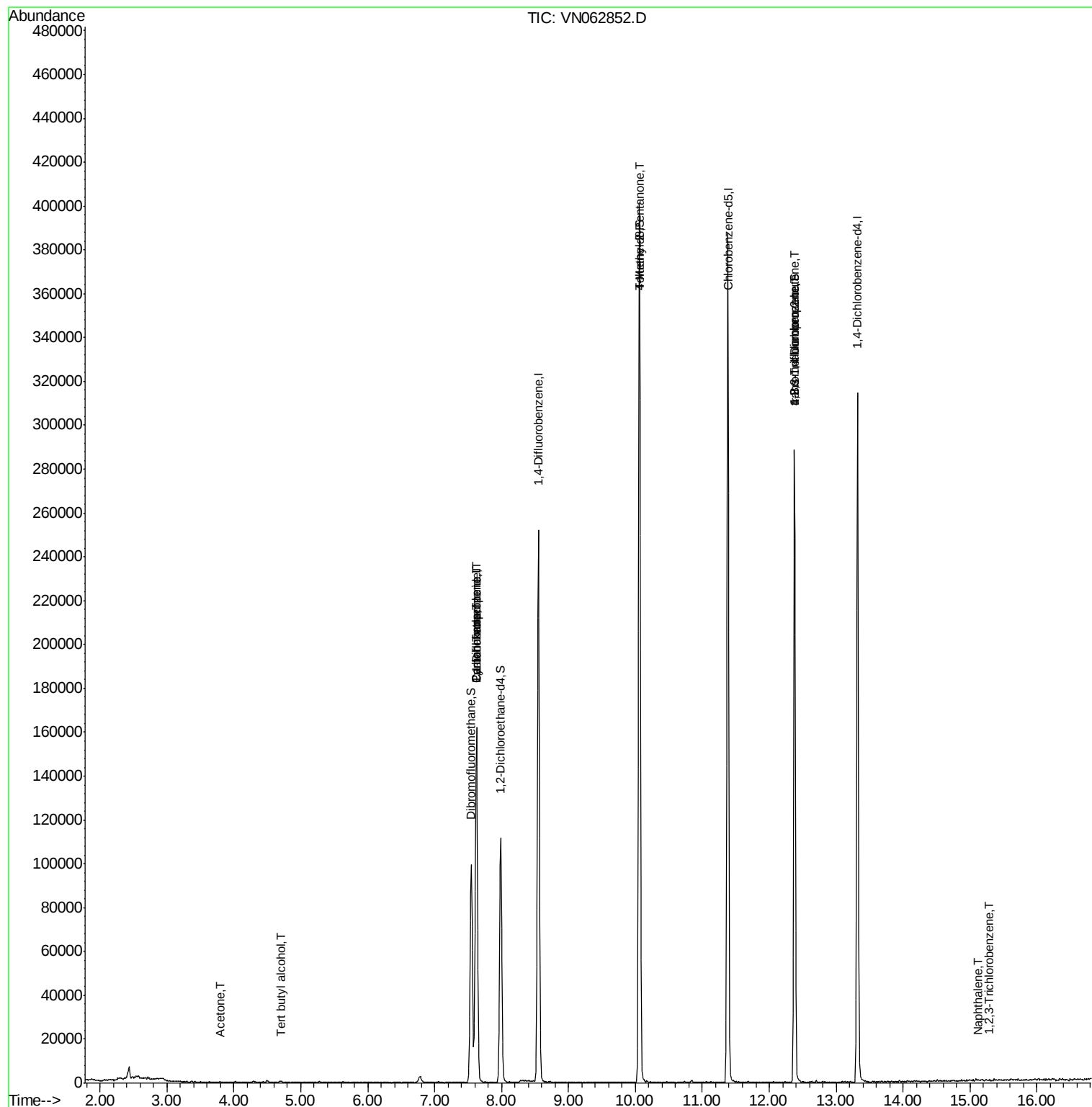
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.70	59	239	0.714	ug/l #	72
16) Acetone	3.79	43	171	0.232	ug/l #	45
18) Methyl Acetate	4.30	43	1251	Below Cal	#	52
20) Methylene Chloride	4.49	84	361	Below Cal	#	70
31) Cyclohexane	7.63	56	2841	1.147	ug/l #	34
36) 1,1-Dichloropropene	7.63	75	10525	5.049	ug/l #	53
38) Carbon Tetrachloride	7.62	117	13228	5.365	ug/l #	15
51) 4-Methyl-2-Pentanone	10.07	43	1430	0.608	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	56172	25.111	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	56172	76.658	ug/l #	10
95) Naphthalene	15.12	128	337	3.790	ug/l #	68
96) 1,2,3-Trichlorobenzene	15.29	180	68	2.787	ug/l #	12

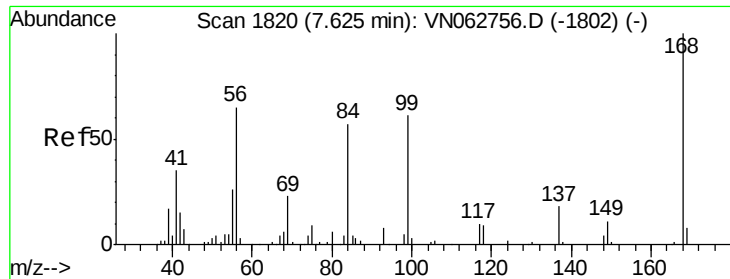
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN081220\
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BP-VPB179-TB-20200807

Quant Time: Aug 13 05:21:01 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N080520W.M
Quant Title : SW846 8260
QLast Update : Wed Aug 05 13:26:42 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN062852.D

Acq: 12 Aug 2020 12:47

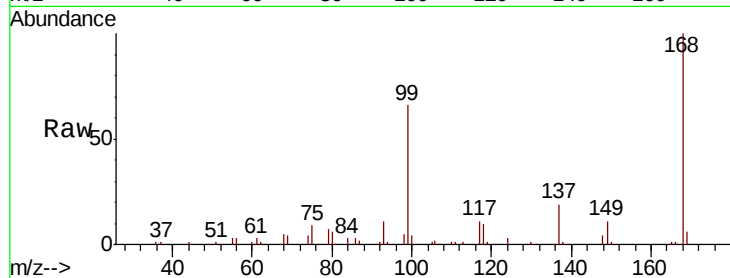
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB179-TB-20200807

Tot Ion:168 Resp: 123537

Ion Ratio Lower Upper

168 100

99 65.8 52.9 79.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

60000

50000

40000

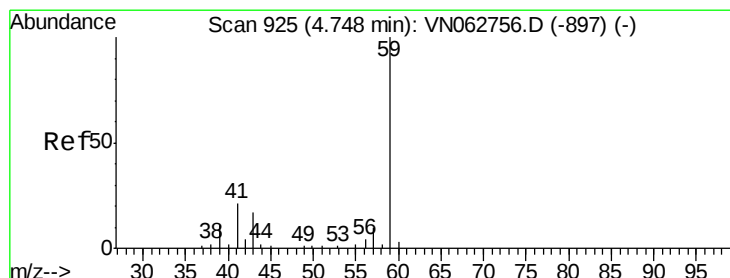
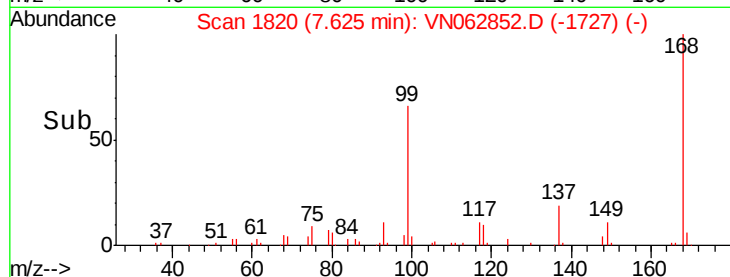
30000

20000

10000

0

Time--> 7.50 7.55 7.60 7.65 7.70



#11

Tert butyl alcohol

Concen: 0.714 ug/l

RT: 4.70 min Scan# 911

Delta R.T. -0.05 min

Lab File: VN062852.D

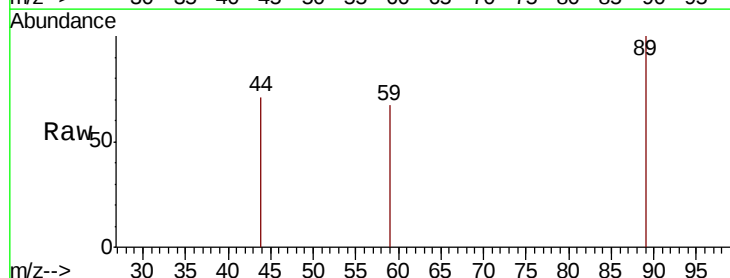
Acq: 12 Aug 2020 12:47

Tgt Ion: 59 Resp: 239

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN

4.70

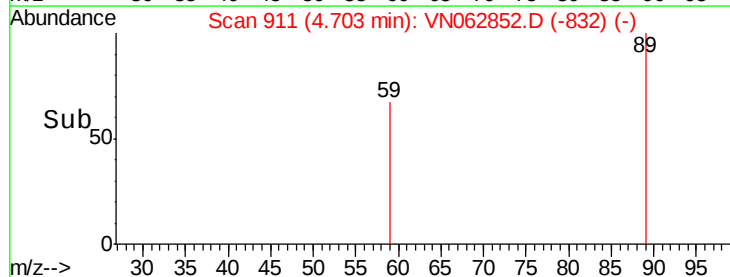
300

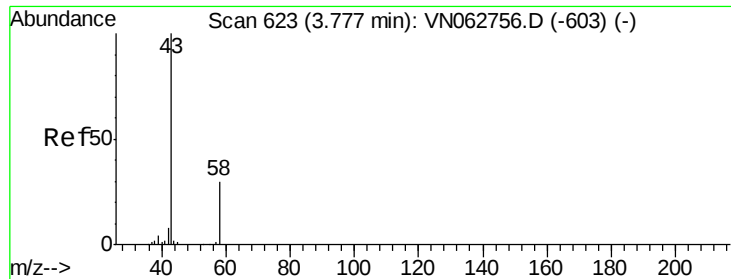
200

100

0

Time--> 4.69 4.70 4.71 4.72





#16

Acetone

Concen: 0.232 ug/l

RT: 3.79 min Scan# 628

Delta R.T. 0.02 min

Lab File: VN062852.D

Acq: 12 Aug 2020 12:47

Instrument :

MSVOA_N

ClientSampleId :

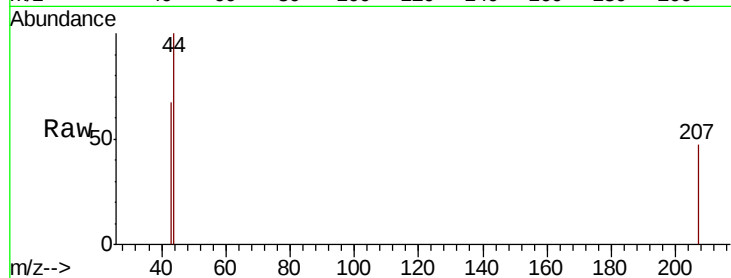
BP-VPB179-TB-20200807

Tot Ion: 43 Resp: 171

Ion Ratio Lower Upper

43 100

58 0.0 24.1 36.1#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.79

250

200

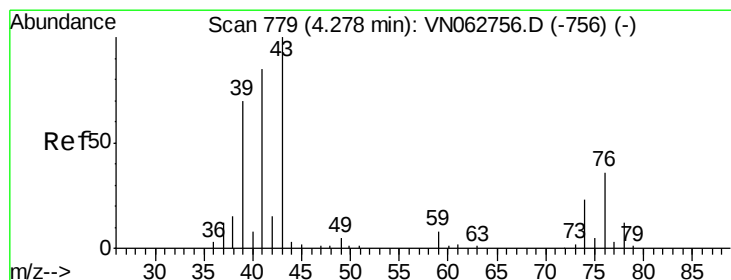
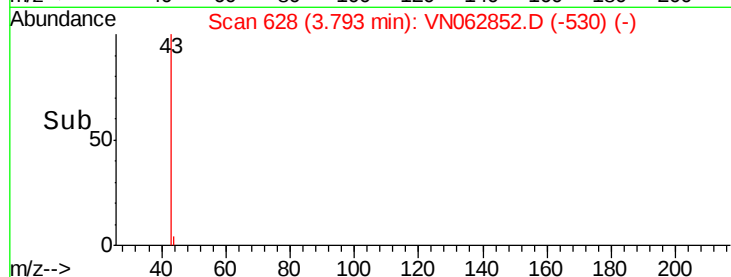
150

100

50

0

Time--> 3.77 3.78 3.79 3.80 3.81



#18

Methyl Acetate

Concen: Below Cal

RT: 4.30 min Scan# 787

Delta R.T. 0.03 min

Lab File: VN062852.D

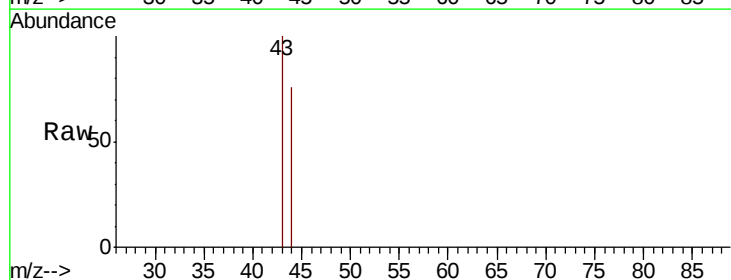
Acq: 12 Aug 2020 12:47

Tgt Ion: 43 Resp: 1251

Ion Ratio Lower Upper

43 100

74 0.0 18.6 28.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.30

600

500

400

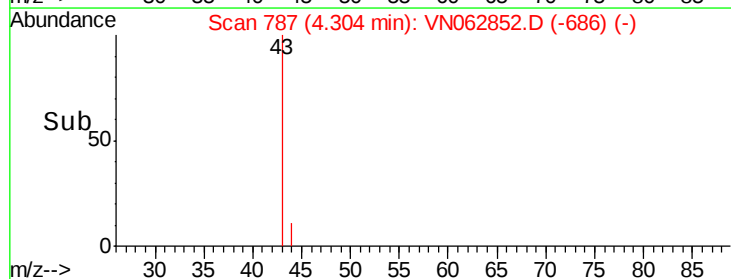
300

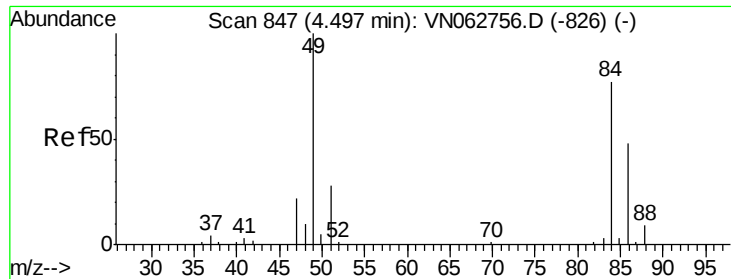
200

100

0

Time--> 4.25 4.30 4.35

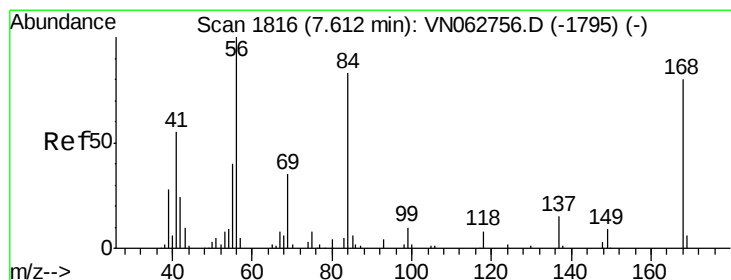
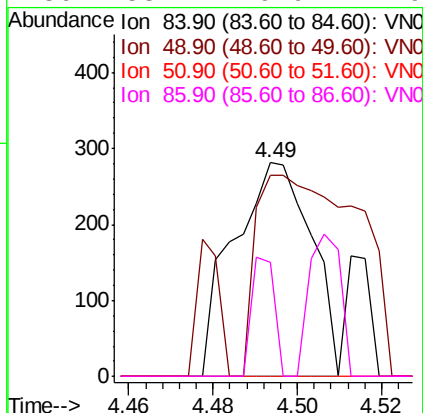
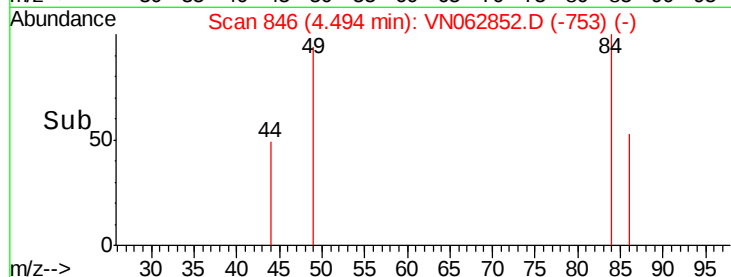
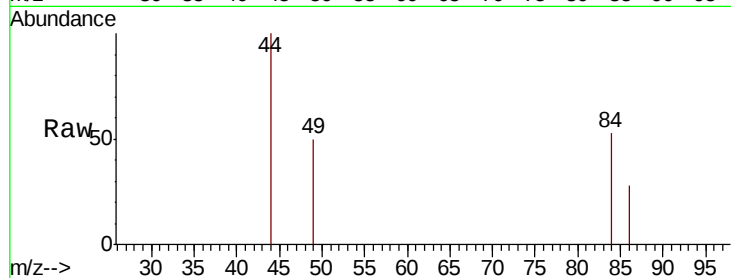




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.49 min Scan# 846
Delta R.T. -0.00 min
Lab File: VN062852.D
Acq: 12 Aug 2020 12:47

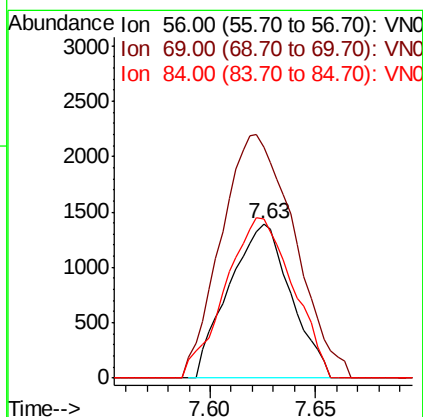
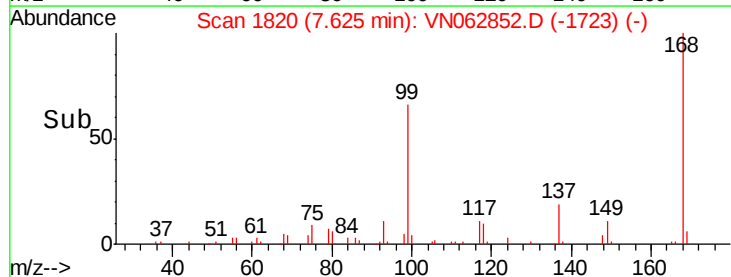
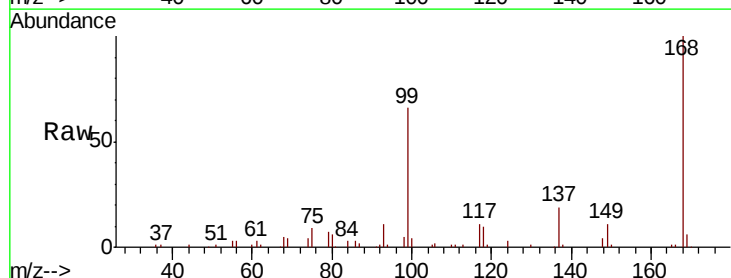
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB179-TB-20200807

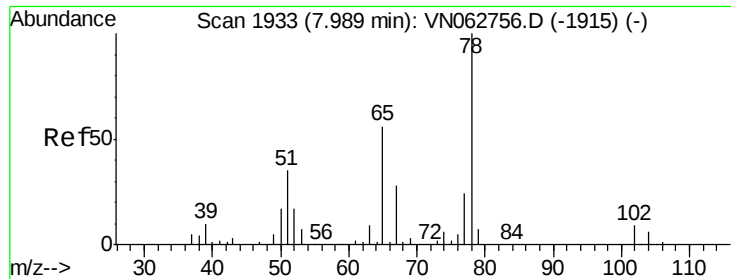
Tot Ion: 84 Resp: 361
Ion Ratio Lower Upper
84 100
49 94.3 103.4 155.2#
51 0.0 29.3 43.9#
86 53.4 49.9 74.9



#31
Cyclohexane
Concen: 1.147 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. 0.01 min
Lab File: VN062852.D
Acq: 12 Aug 2020 12:47

Tgt Ion: 56 Resp: 2841
Ion Ratio Lower Upper
56 100
69 135.3 28.1 42.1#
84 103.1 66.8 100.2#

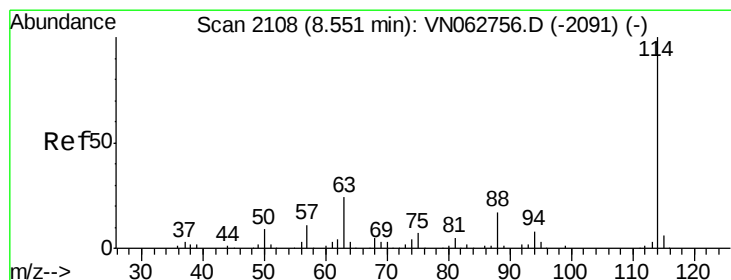
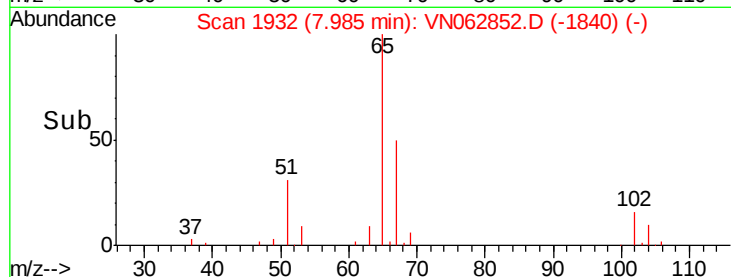
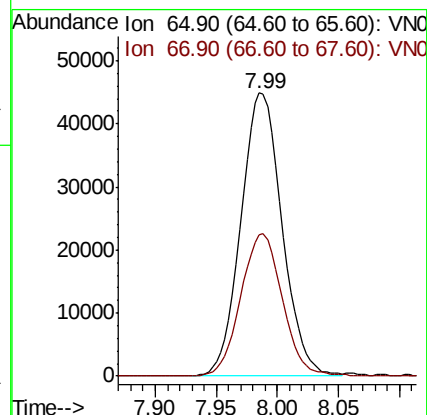
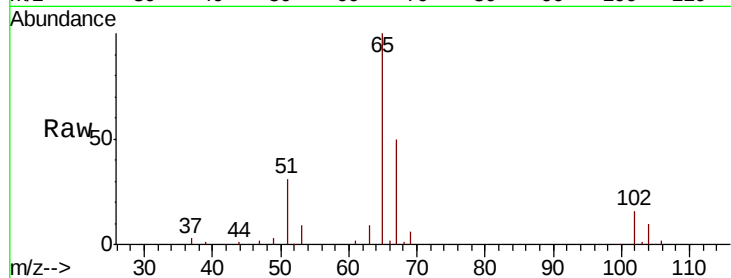




#33
 1,2-Dichloroethane-d4
 Concen: 51.243 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: VN062852.D
 Acq: 12 Aug 2020 12:47

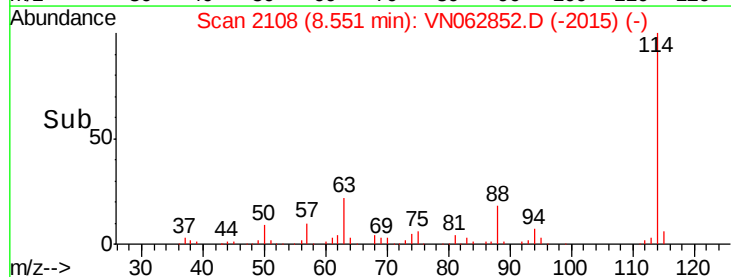
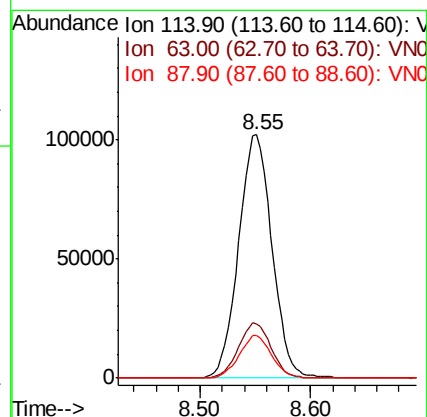
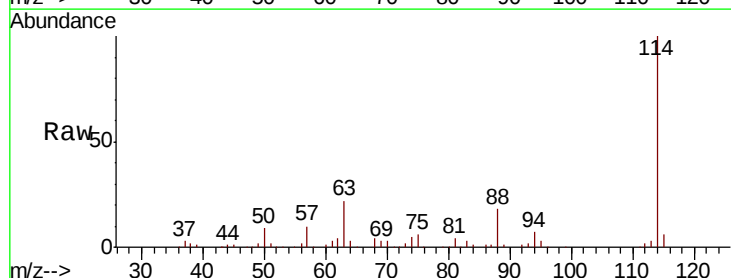
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB179-TB-20200807

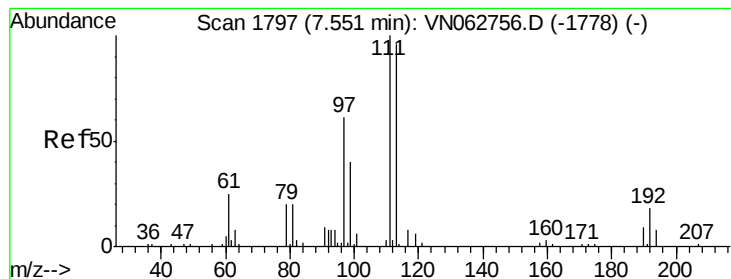
Tot Ion: 65 Resp: 104685
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062852.D
 Acq: 12 Aug 2020 12:47

Tgt Ion: 114 Resp: 214102
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 47.6
 88 17.6 0.0 34.4





#35

Dibromofluoromethane

Concen: 51.499 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VN062852.D

Acq: 12 Aug 2020 12:47

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB179-TB-20200807

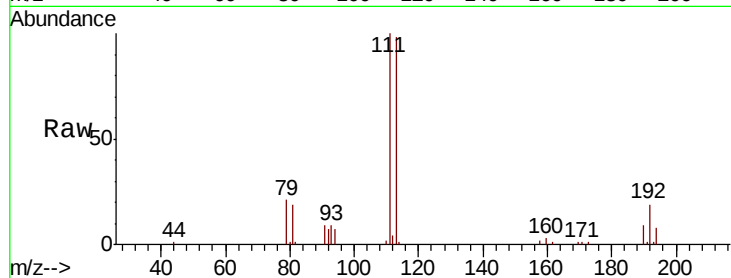
Tot Ion:113 Resp: 75425

Ion Ratio Lower Upper

113 100

111 101.5 81.8 122.6

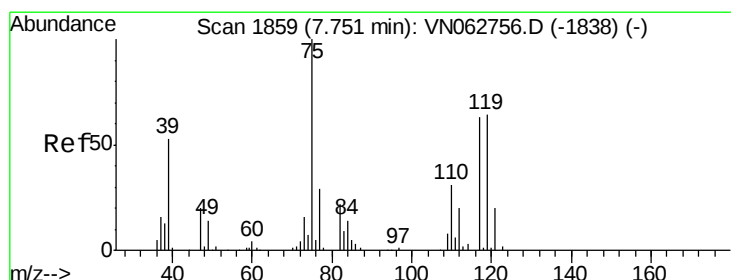
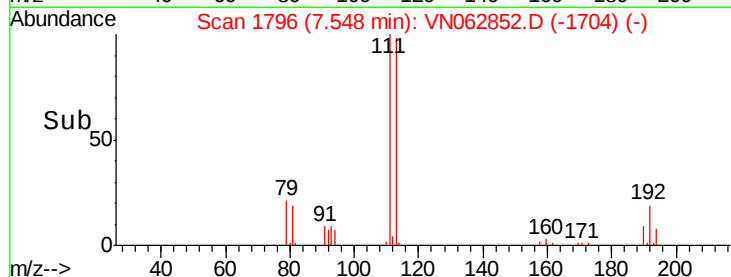
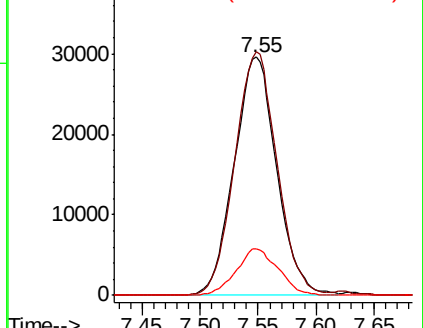
192 19.3 15.0 22.4



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: 5.049 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.13 min

Lab File: VN062852.D

Acq: 12 Aug 2020 12:47

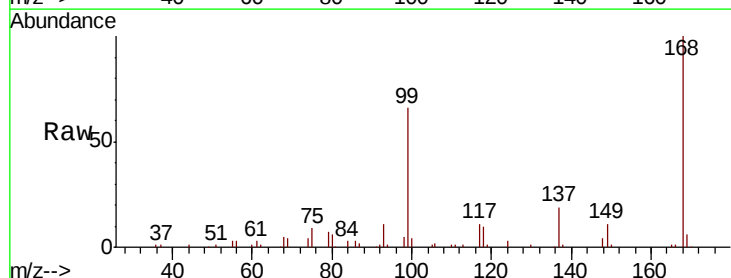
Tgt Ion: 75 Resp: 10525

Ion Ratio Lower Upper

75 100

110 9.3 15.6 46.7#

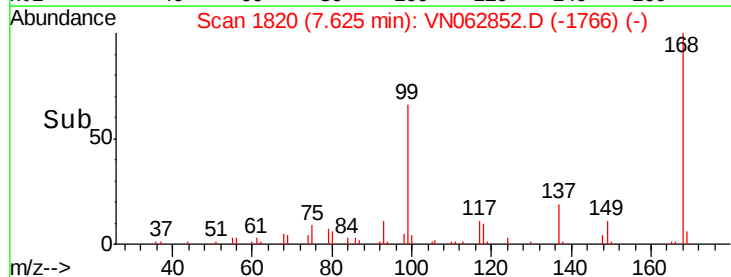
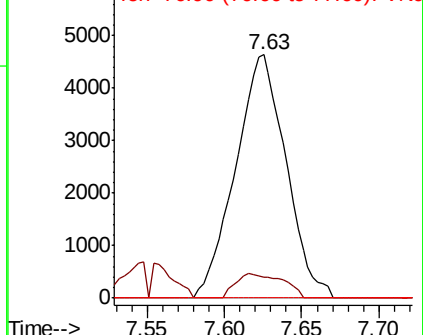
77 0.0 24.1 36.1#

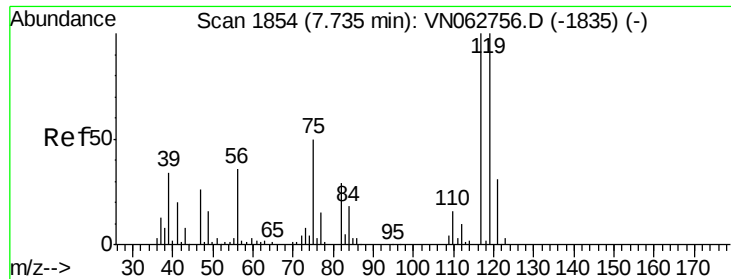


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 5.365 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.11 min

Lab File: VN062852.D

Acq: 12 Aug 2020 12:47

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB179-TB-20200807

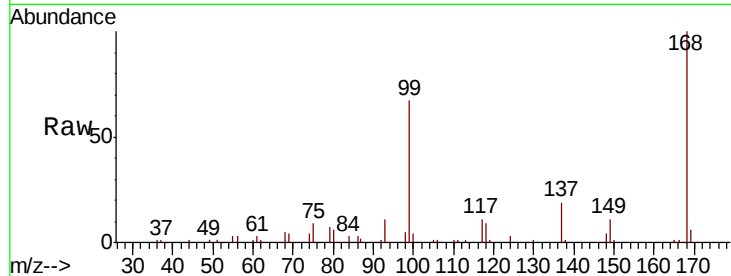
Tot Ion:117 Resp: 13228

Ion Ratio Lower Upper

117 100

119 6.0 79.4 119.2#

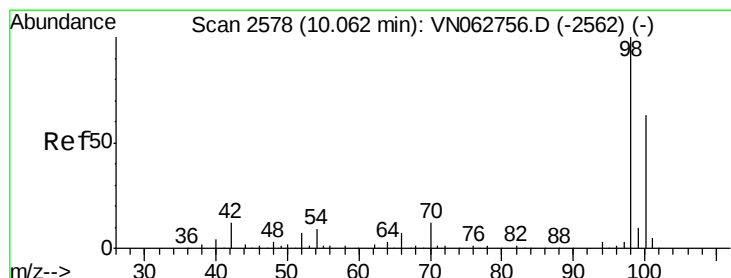
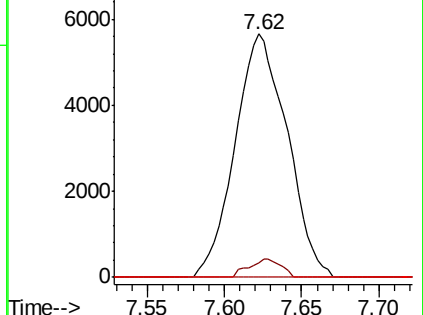
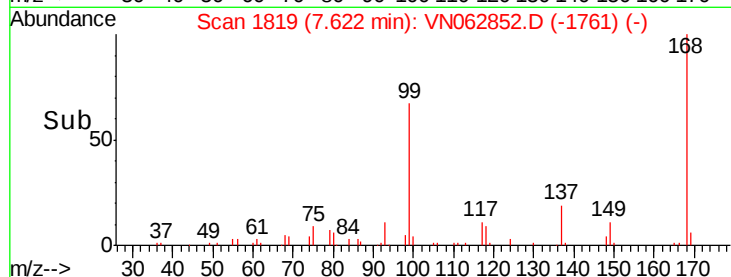
121 0.0 24.9 37.3#



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: 48.416 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN062852.D

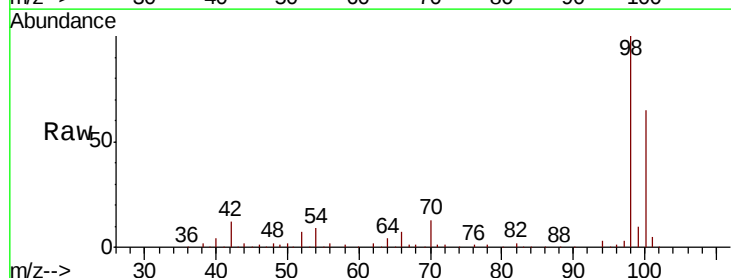
Acq: 12 Aug 2020 12:47

Tgt Ion: 98 Resp: 276837

Ion Ratio Lower Upper

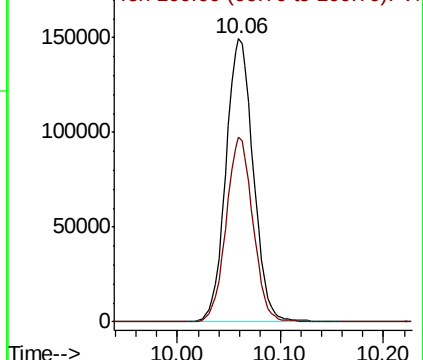
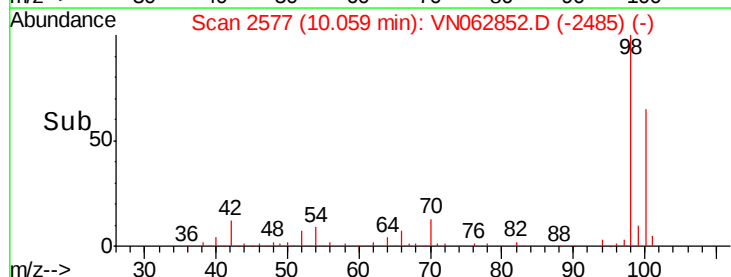
98 100

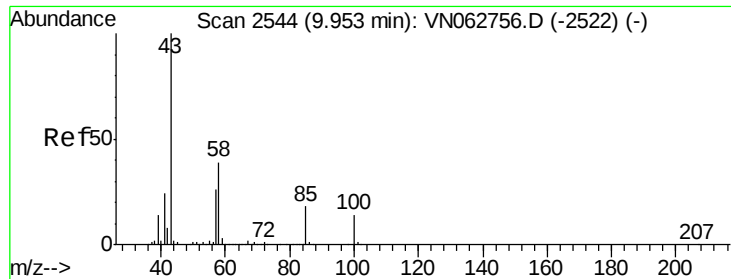
100 63.8 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN





#51

4-Methyl-2-Pentanone

Concen: 0.608 ug/l

RT: 10.07 min Scan# 2579

Delta R.T. 0.11 min

Lab File: VN062852.D

Acq: 12 Aug 2020 12:47

Instrument :

MSVOA_N

ClientSampleId :

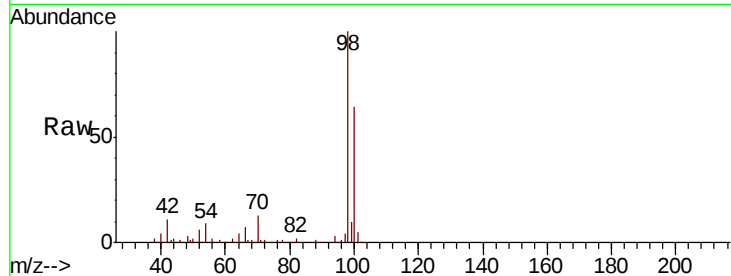
BP-VPB179-TB-20200807

Tot Ion: 43 Resp: 1430

Ion Ratio Lower Upper

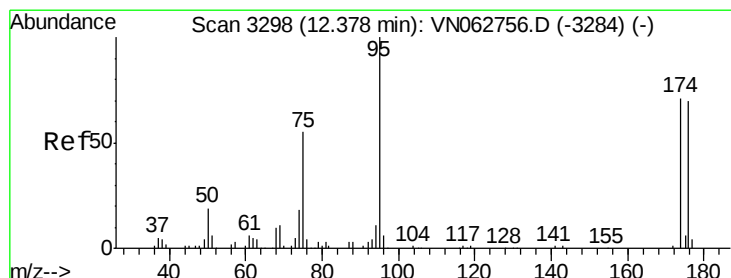
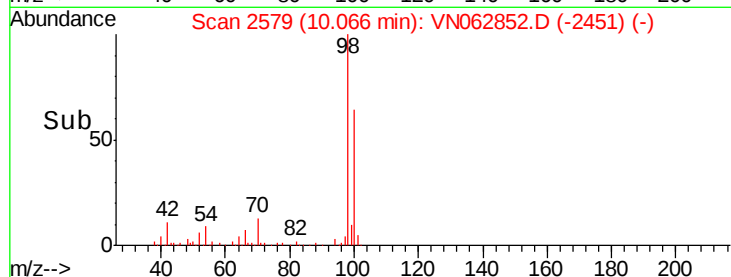
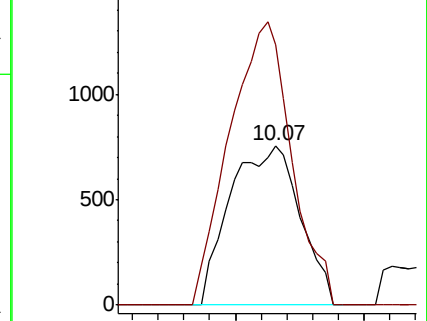
43 100

58 157.8 31.1 46.7#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#62

4-Bromofluorobenzene

Concen: 47.106 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN062852.D

Acq: 12 Aug 2020 12:47

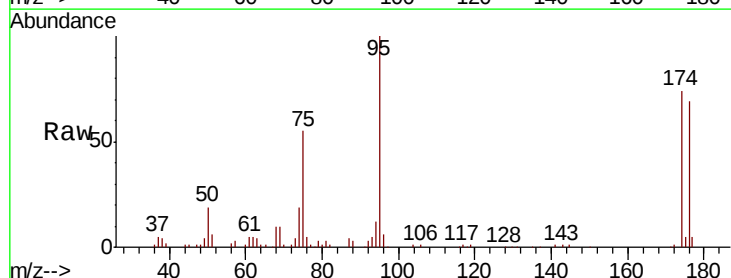
Tgt Ion: 95 Resp: 101785

Ion Ratio Lower Upper

95 100

174 74.9 0.0 144.8

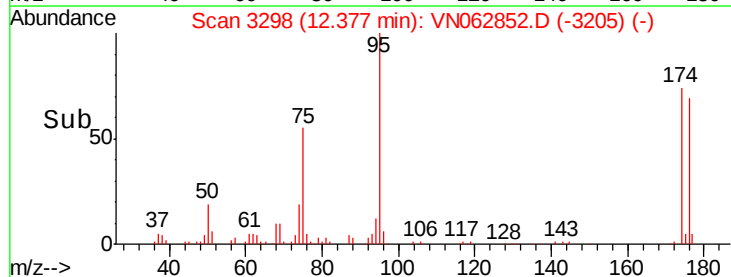
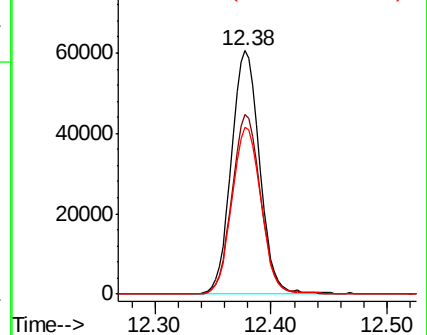
176 70.3 0.0 142.2

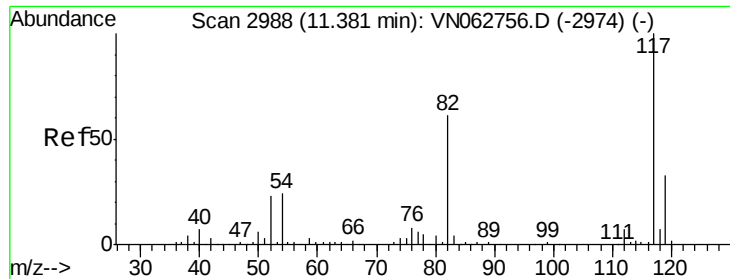


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. -0.00 min

Lab File: VN062852.D

Acq: 12 Aug 2020 12:47

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB179-TB-20200807

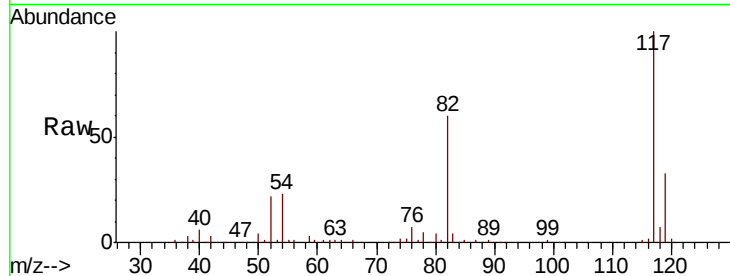
Tot Ion:117 Resp: 215562

Ion Ratio Lower Upper

117 100

82 60.0 49.0 73.4

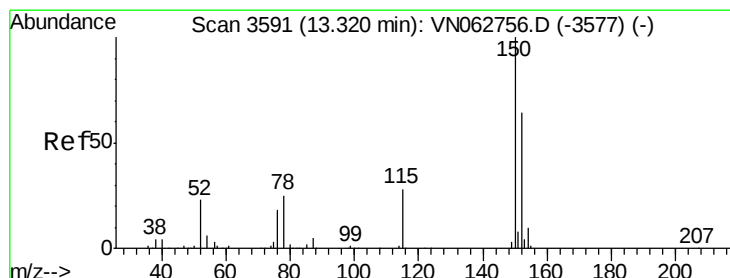
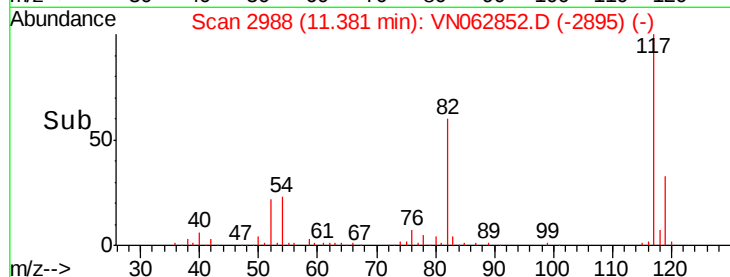
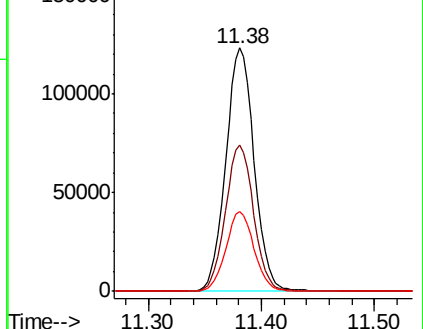
119 33.0 26.2 39.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. -0.00 min

Lab File: VN062852.D

Acq: 12 Aug 2020 12:47

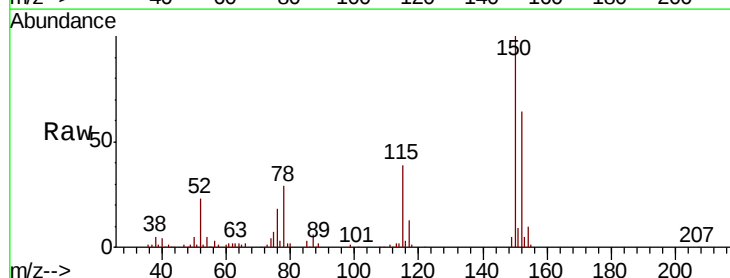
Tgt Ion:152 Resp: 82944

Ion Ratio Lower Upper

152 100

115 62.3 31.6 94.8

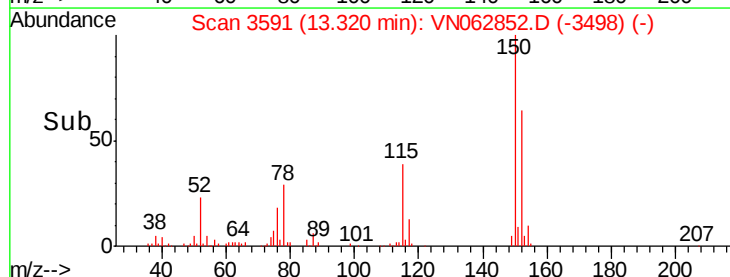
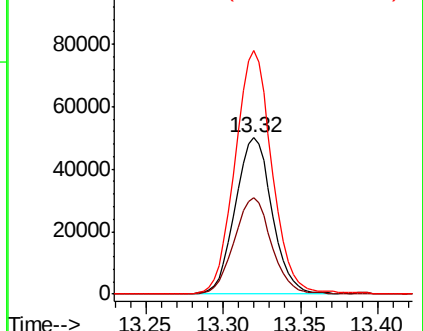
150 156.3 0.0 349.2

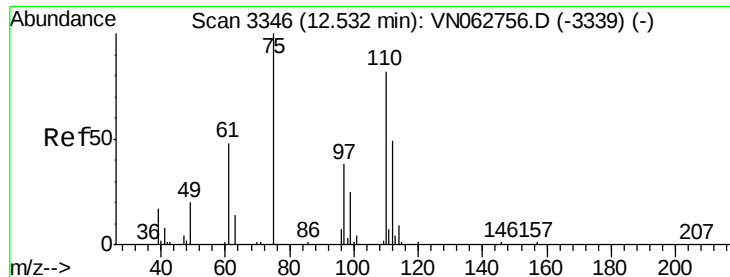


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 25.111 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062852.D

Acq: 12 Aug 2020 12:47

Instrument :

MSVOA_N

ClientSampleId :

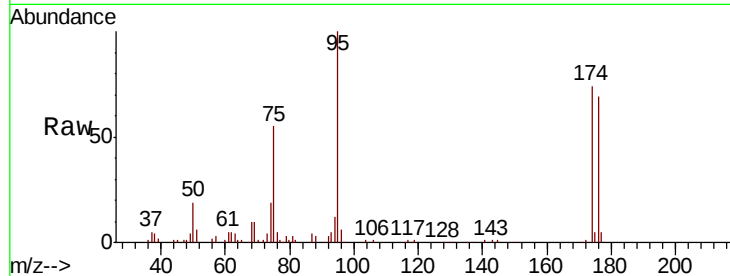
BP-VPB179-TB-20200807

Tot Ion: 75 Resp: 56172

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.38

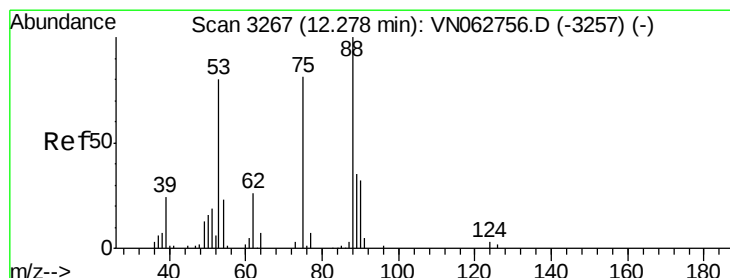
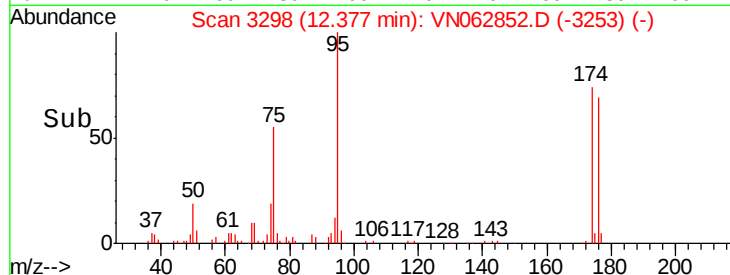
30000

20000

10000

0

Time--> 12.30 12.35 12.40 12.45



#81

trans-1,4-Dichloro-2-butene

Concen: 76.658 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062852.D

Acq: 12 Aug 2020 12:47

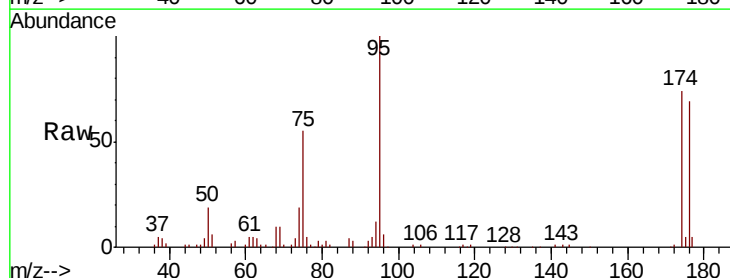
Tgt Ion: 75 Resp: 56172

Ion Ratio Lower Upper

75 100

53 0.1 79.1 118.7#

89 0.0 36.2 54.2#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

12.38

40000

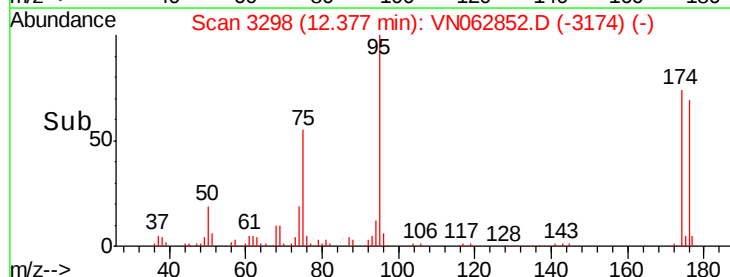
30000

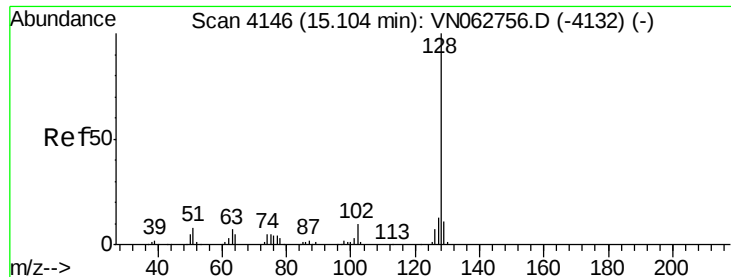
20000

10000

0

Time--> 12.30 12.35 12.40 12.45

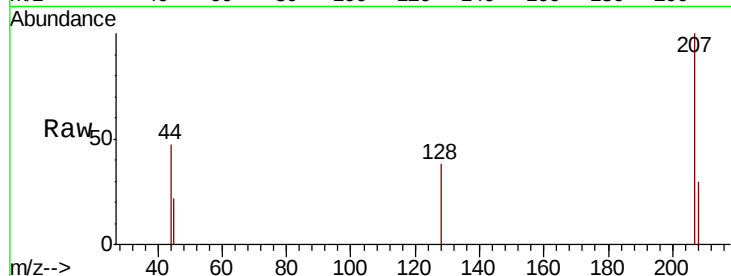




#95
Naphthalene
Concen: 3.790 ug/l
RT: 15.12 min Scan# 4151
Delta R.T. 0.02 min
Lab File: VN062852.D
Acq: 12 Aug 2020 12:47

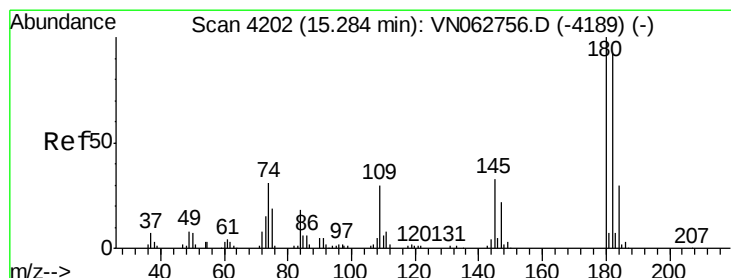
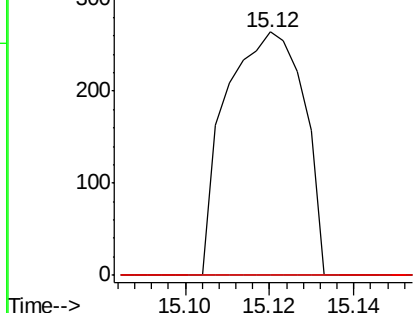
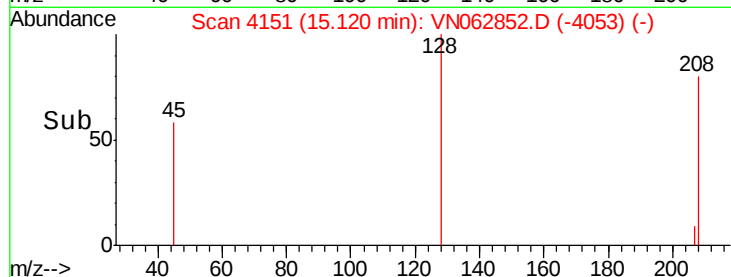
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB179-TB-20200807

Tot Ion:128 Resp: 337
Ion Ratio Lower Upper
128 100
127 0.0 10.8 16.2#
129 0.0 8.8 13.2#



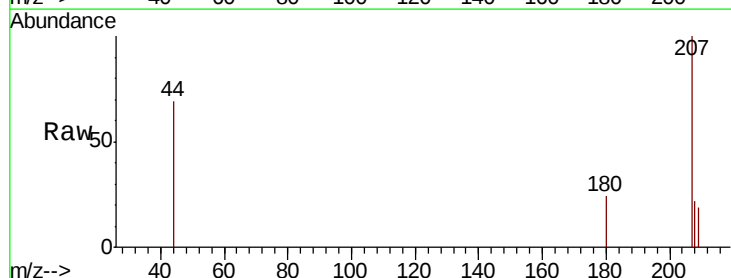
Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

15.12



#96
1,2,3-Trichlorobenzene
Concen: 2.787 ug/l
RT: 15.29 min Scan# 4203
Delta R.T. 0.00 min
Lab File: VN062852.D
Acq: 12 Aug 2020 12:47

Tgt Ion:180 Resp: 68
Ion Ratio Lower Upper
180 100
182 0.0 47.9 143.6#
145 0.0 17.3 51.7#



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

15.29

