

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081020\
 Data File : VN062804.D
 Acq On : 10 Aug 2020 13:18
 Operator : JC/MD
 Sample : L3618-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB179-TB-20200804

Quant Time: Aug 11 06:54:01 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	145498	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	253722	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	250922	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	96390	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	111483	46.33	ug/l	0.00
Spiked Amount			Recovery	=	92.66%	
35) Dibromofluoromethane	7.55	113	83037	47.84	ug/l	0.00
Spiked Amount			Recovery	=	95.68%	
50) Toluene-d8	10.06	98	322971	47.66	ug/l	0.00
Spiked Amount			Recovery	=	95.32%	
62) 4-Bromofluorobenzene	12.38	95	122310	47.77	ug/l	0.00
Spiked Amount			Recovery	=	95.54%	

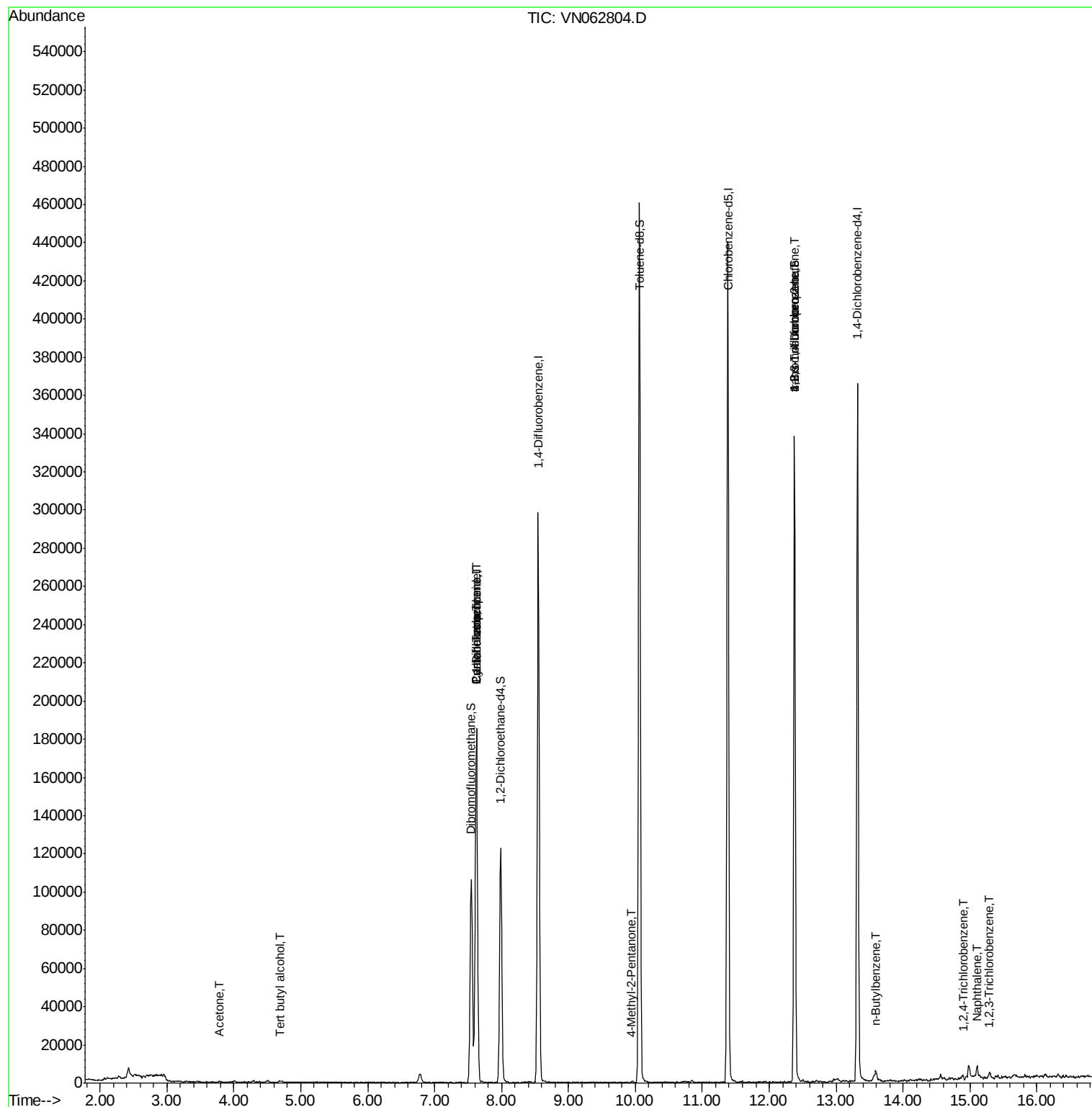
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.69	59	505	1.281	ug/l #	72
16) Acetone	3.78	43	380	0.437	ug/l #	45
17) Carbon Disulfide	4.01	76	663	Below Cal	#	74
18) Methyl Acetate	4.29	43	1345	Below Cal	#	63
20) Methylene Chloride	4.51	84	769	Below Cal	#	70
31) Cyclohexane	7.63	56	3068	1.052	ug/l #	1
36) 1,1-Dichloropropene	7.62	75	12662	5.125	ug/l #	49
38) Carbon Tetrachloride	7.62	117	15342	5.251	ug/l #	14
51) 4-Methyl-2-Pentanone	9.95	43	586	0.210	ug/l #	36
76) 1,2,3-Trichloropropane	12.38	75	66983	25.767	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	66983	78.661	ug/l #	10
89) n-Butylbenzene	13.60	91	1347	0.256	ug/l #	40
93) 1,2,4-Trichlorobenzene	14.89	180	830	3.800	ug/l	73
95) Naphthalene	15.11	128	5498	4.857	ug/l	97
96) 1,2,3-Trichlorobenzene	15.29	180	788	3.206	ug/l	85

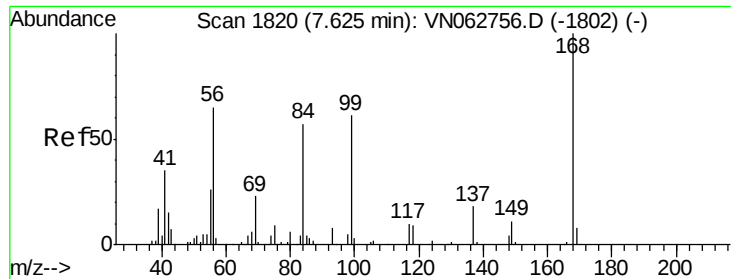
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN062804.D

Acq: 10 Aug 2020 13:18

Instrument :

MSVOA_N

ClientSampleId :

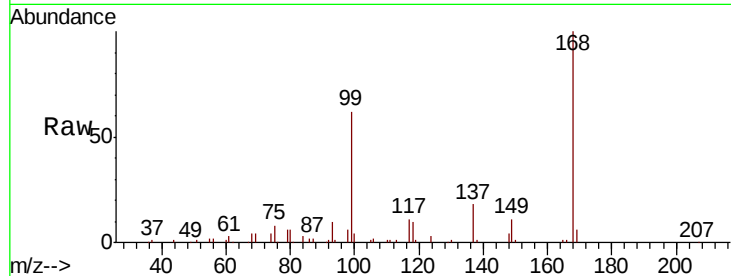
BP-VPB179-TB-20200804

Tot Ion:168 Resp: 145498

Ion Ratio Lower Upper

168 100

99 62.5 52.9 79.3



Abundance Ion 167.90 (167.60 to 168.60): VN062756.D (-1802) (-)

Ion 98.90 (98.60 to 99.60): VN062756.D (-1802) (-)

7.63

60000

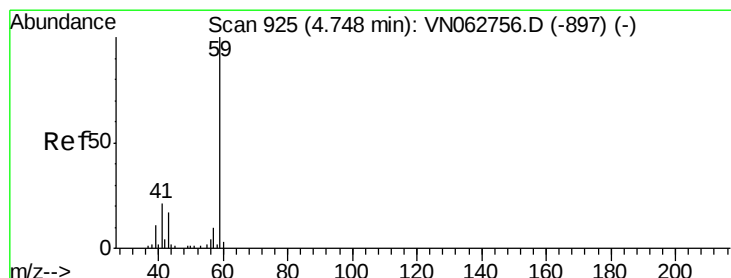
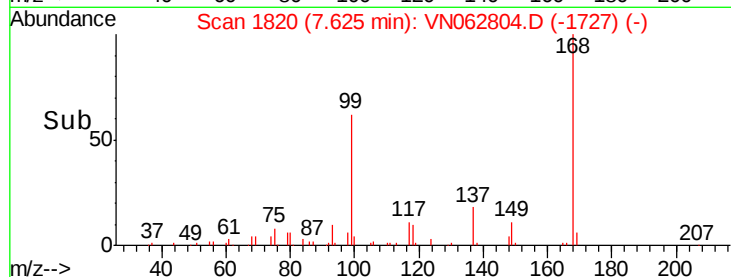
40000

20000

0

Time-->

7.50 7.55 7.60 7.65 7.70



#11

Tert butyl alcohol

Concen: 1.281 ug/l

RT: 4.69 min Scan# 907

Delta R.T. -0.06 min

Lab File: VN062804.D

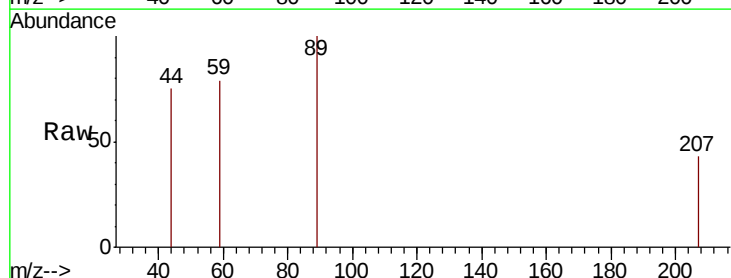
Acq: 10 Aug 2020 13:18

Tgt Ion: 59 Resp: 505

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VN062756.D (-897) (-)

Ion 57.00 (56.70 to 57.70): VN062756.D (-897) (-)

4.69

300

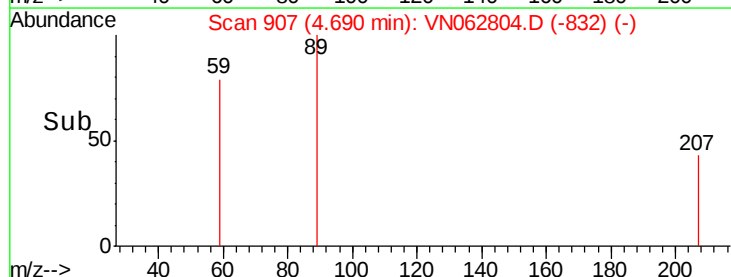
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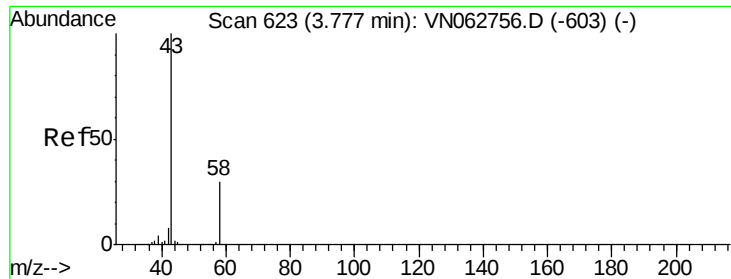
100

0

Time-->

4.66 4.68 4.70





#16

Acetone

Concen: 0.437 ug/l

RT: 3.78 min Scan# 623

Delta R.T. -0.00 min

Lab File: VN062804.D

Acq: 10 Aug 2020 13:18

Instrument :

MSVOA_N

ClientSampleId :

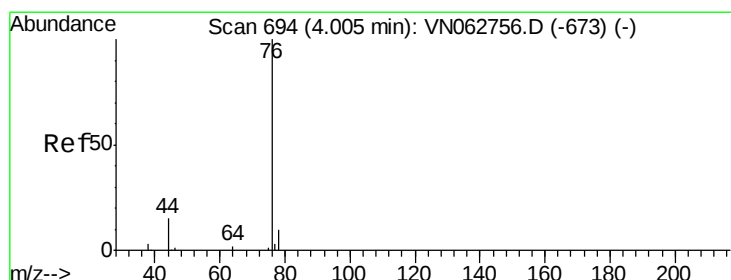
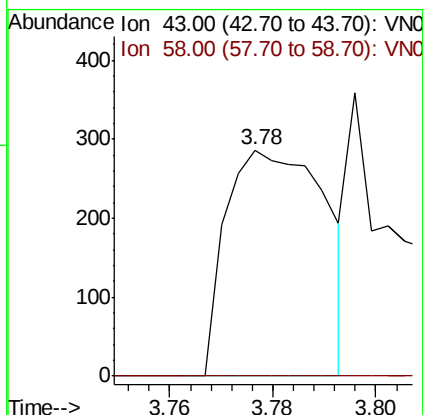
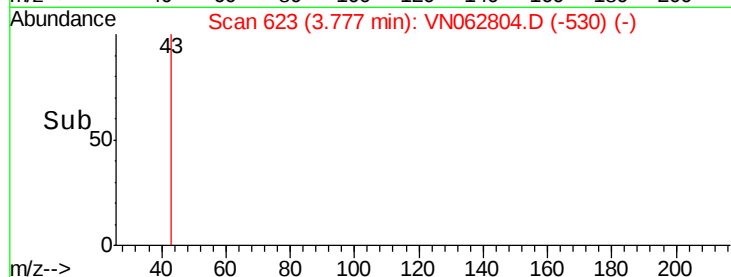
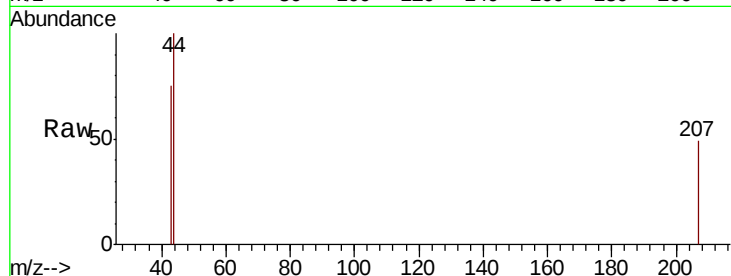
BP-VPB179-TB-20200804

Tot Ion: 43 Resp: 380

Ion Ratio Lower Upper

43 100

58 0.0 24.1 36.1#



#17

Carbon Disulfide

Concen: Below Cal

RT: 4.01 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN062804.D

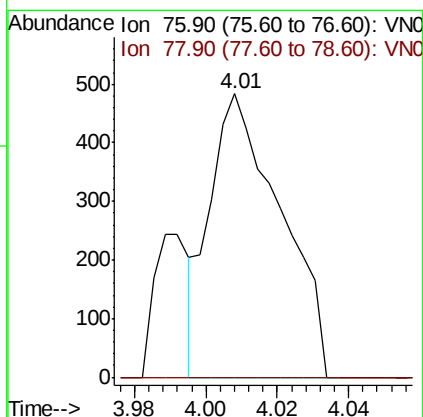
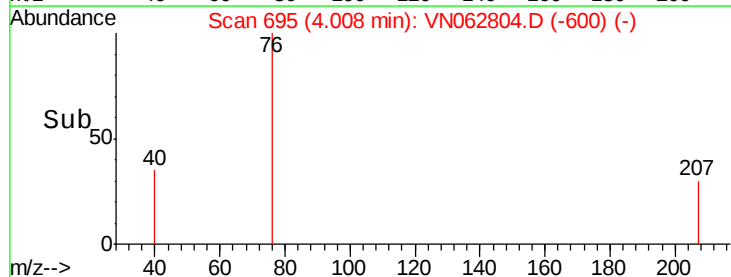
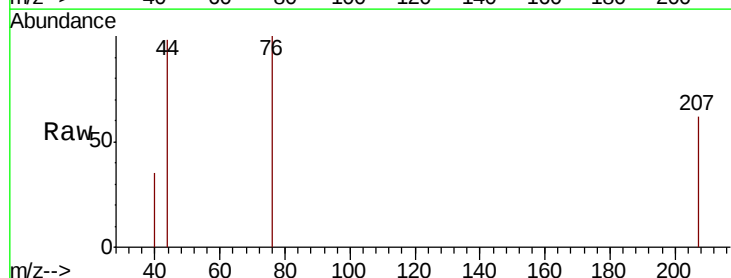
Acq: 10 Aug 2020 13:18

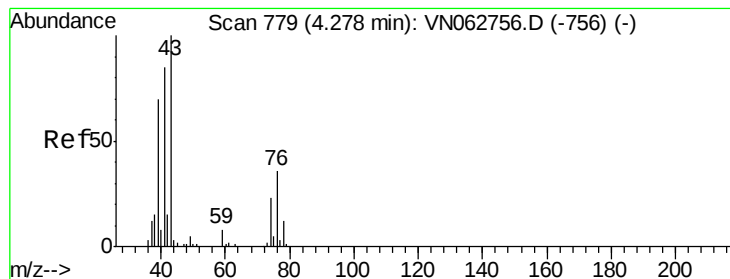
Tgt Ion: 76 Resp: 663

Ion Ratio Lower Upper

76 100

78 0.0 7.7 11.5#





#18

Methyl Acetate

Concen: Below Cal

RT: 4.29 min Scan# 783

Delta R.T. 0.01 min

Lab File: VN062804.D

Acq: 10 Aug 2020 13:18

Instrument :

MSVOA_N

ClientSampleId :

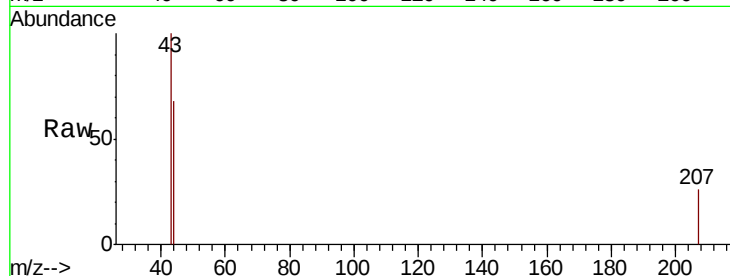
BP-VPB179-TB-20200804

Tot Ion: 43 Resp: 1345

Ion Ratio Lower Upper

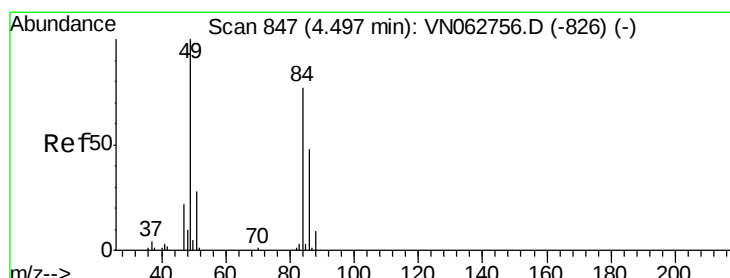
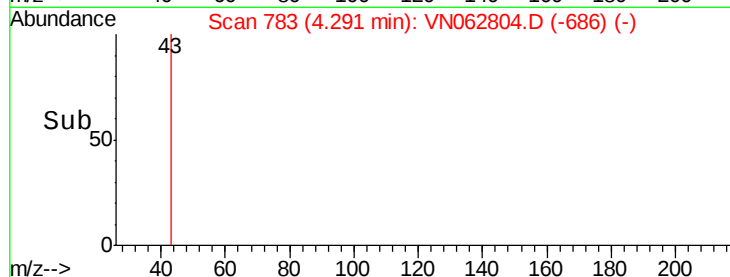
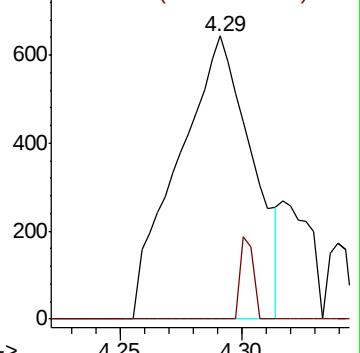
43 100

74 5.1 18.6 28.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0



#20

Methylene Chloride

Concen: Below Cal

RT: 4.51 min Scan# 850

Delta R.T. 0.01 min

Lab File: VN062804.D

Acq: 10 Aug 2020 13:18

Tgt Ion: 84 Resp: 769

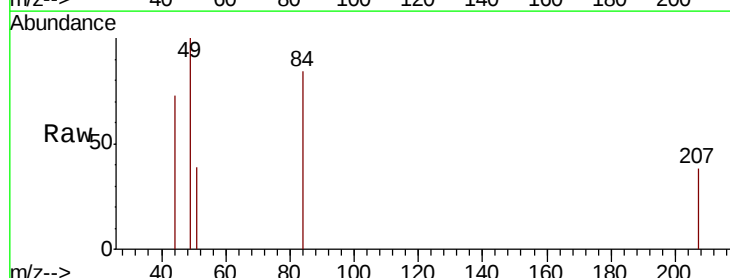
Ion Ratio Lower Upper

84 100

49 119.1 103.4 155.2

51 46.4 29.3 43.9#

86 0.0 49.9 74.9#

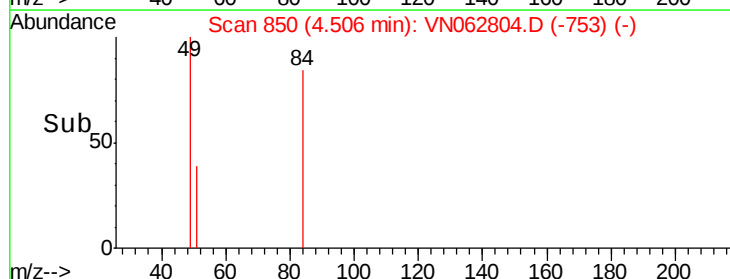
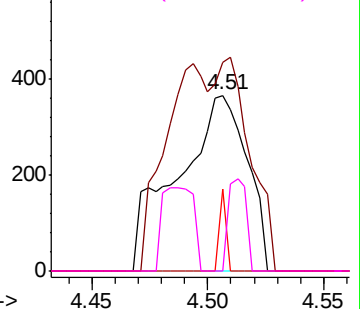


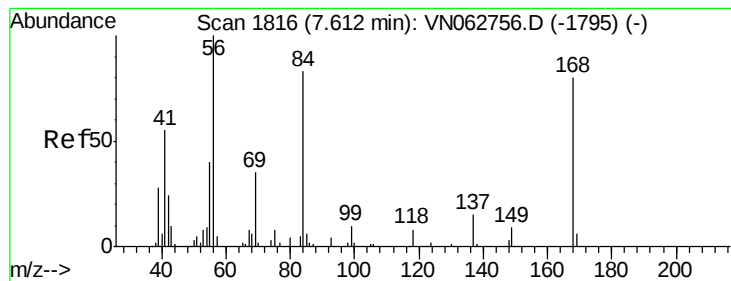
Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0





#31

Cyclohexane

Concen: 1.052 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.01 min

Lab File: VN062804.D

Acq: 10 Aug 2020 13:18

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB179-TB-20200804

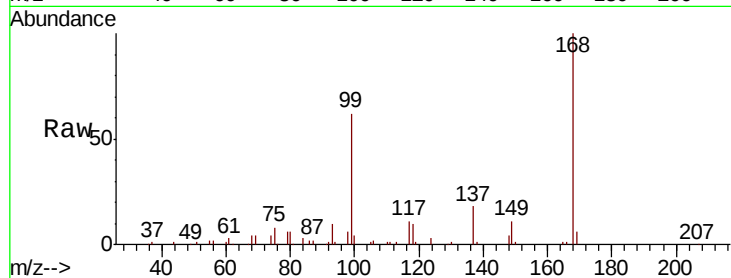
Tot Ion: 56 Resp: 3068

Ion Ratio Lower Upper

56 100

69 170.5 28.1 42.1#

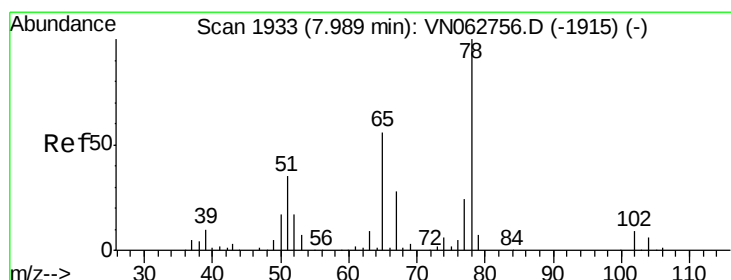
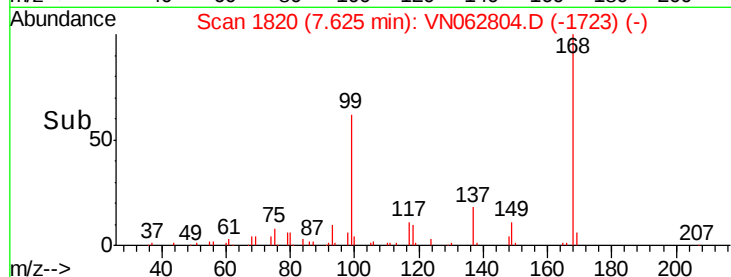
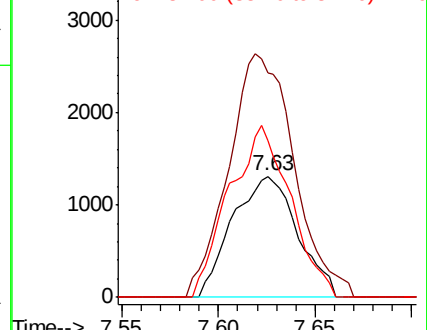
84 129.5 66.8 100.2#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 46.334 ug/l

RT: 7.99 min Scan# 1932

Delta R.T. -0.00 min

Lab File: VN062804.D

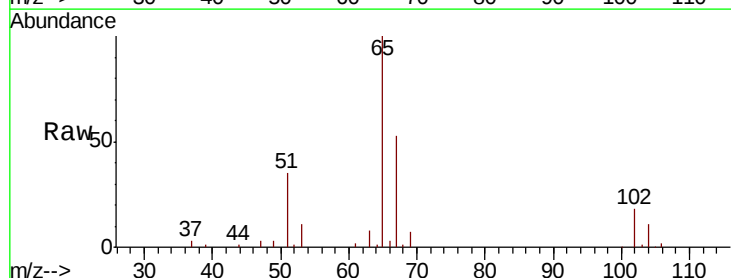
Acq: 10 Aug 2020 13:18

Tgt Ion: 65 Resp: 111483

Ion Ratio Lower Upper

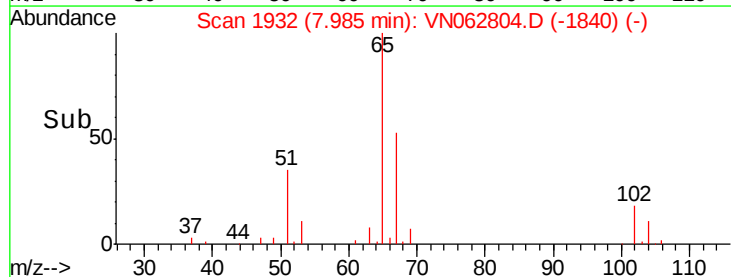
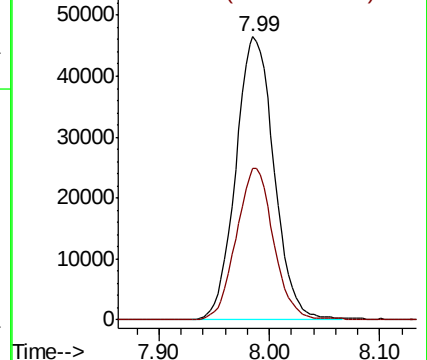
65 100

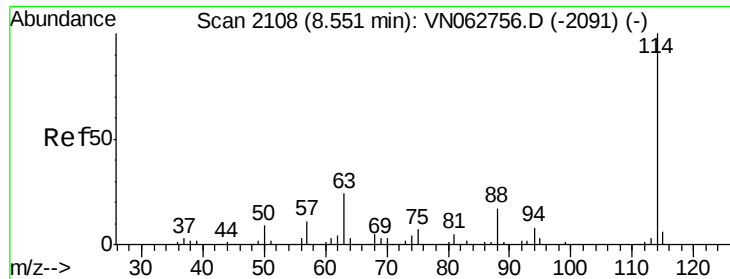
67 52.2 0.0 101.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

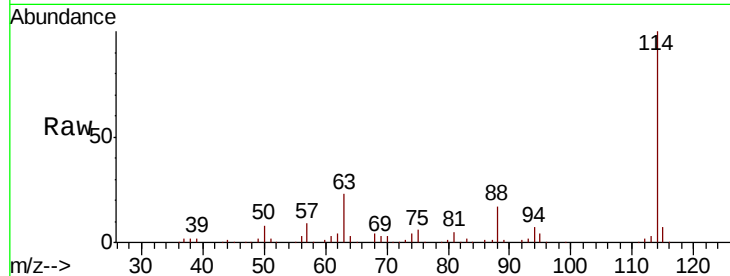




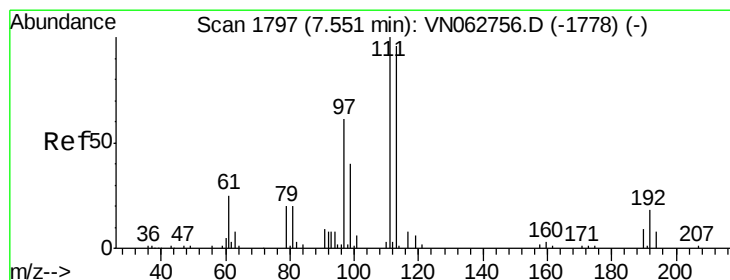
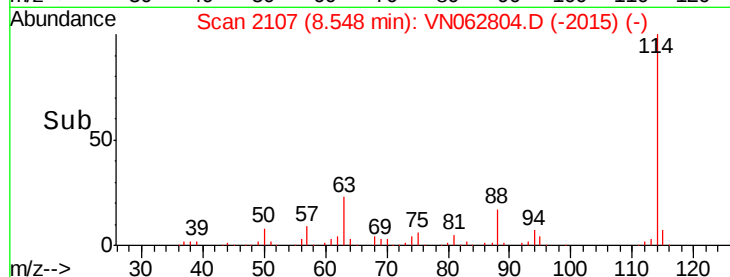
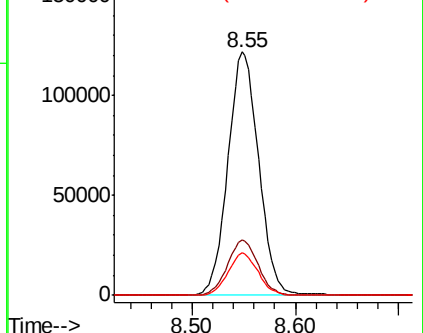
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN062804.D
 Acq: 10 Aug 2020 13:18

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB179-TB-20200804

Tot Ion:114 Resp: 253722
 Ion Ratio Lower Upper
 114 100
 63 22.8 0.0 47.6
 88 17.3 0.0 34.4

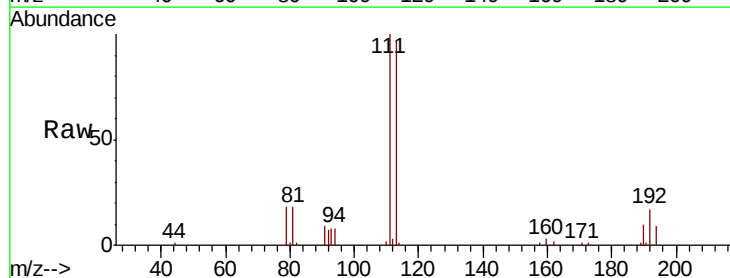


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

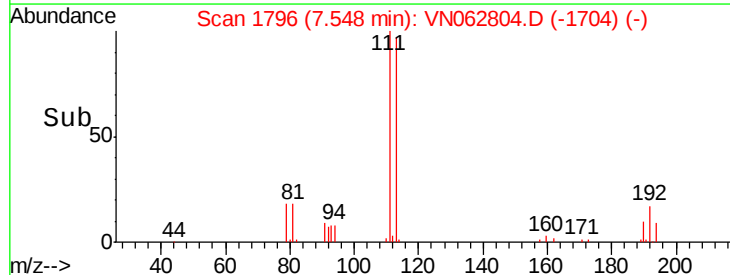
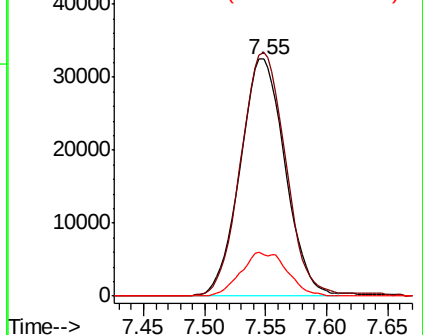


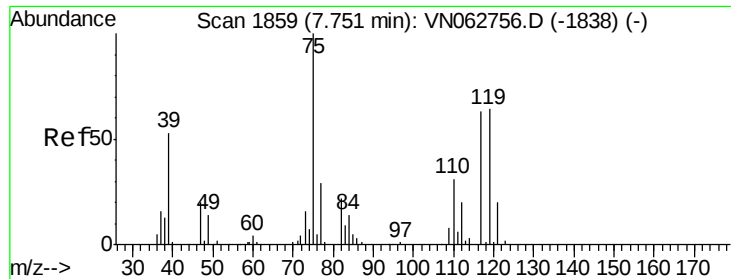
#35
 Dibromofluoromethane
 Concen: 47.843 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN062804.D
 Acq: 10 Aug 2020 13:18

Tgt Ion:113 Resp: 83037
 Ion Ratio Lower Upper
 113 100
 111 102.1 81.8 122.6
 192 19.0 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

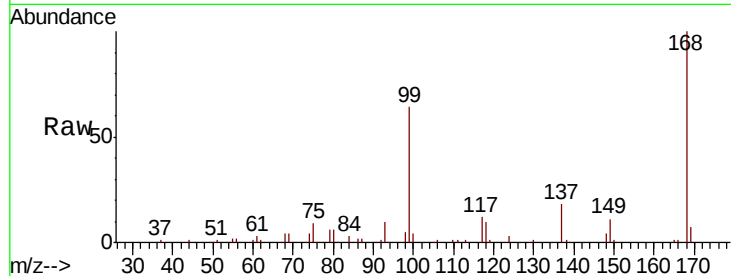




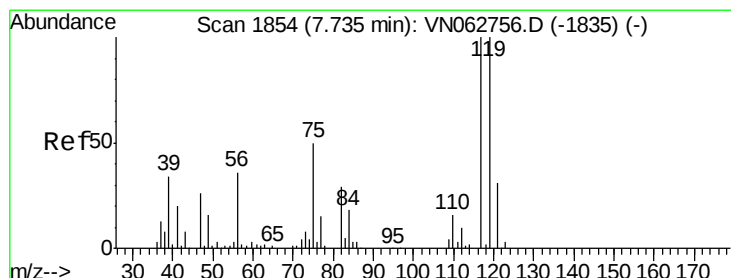
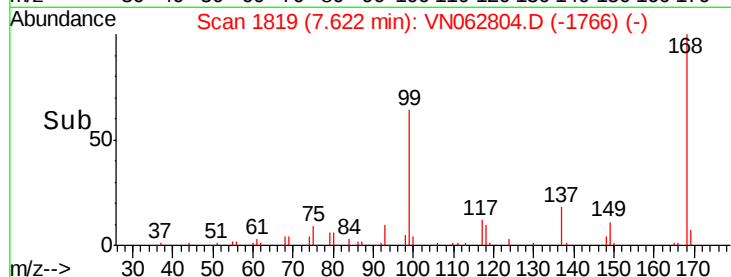
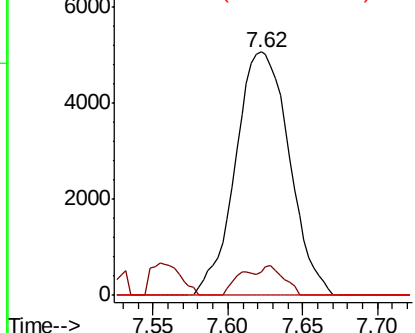
#36
 1,1-Dichloropropene
 Concen: 5.125 ug/l
 RT: 7.62 min Scan# 1819
 Delta R.T. -0.13 min
 Lab File: VN062804.D
 Acq: 10 Aug 2020 13:18

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB179-TB-20200804

Tot Ion	Ratio	Lower	Upper
75	100		
110	5.2	15.6	46.7#
77	0.0	24.1	36.1#

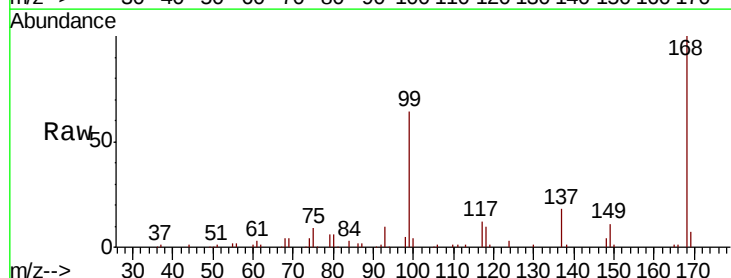


Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VN0

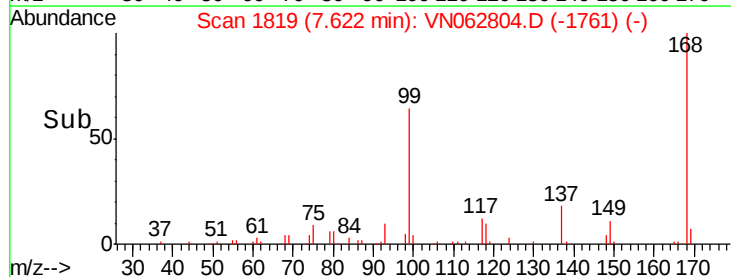
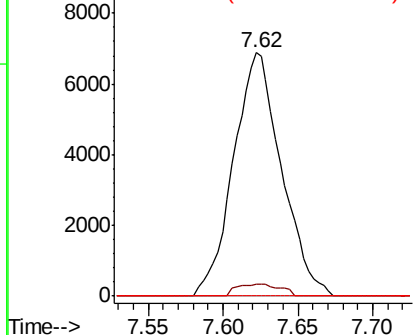


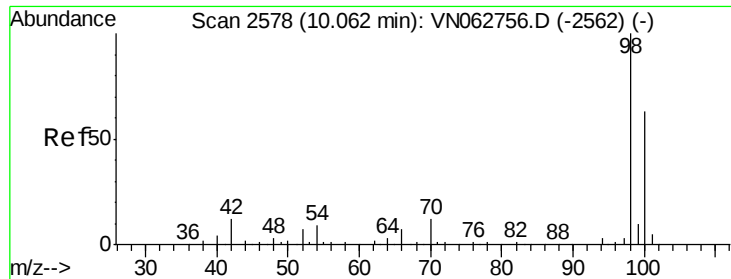
#38
 Carbon Tetrachloride
 Concen: 5.251 ug/l
 RT: 7.62 min Scan# 1819
 Delta R.T. -0.11 min
 Lab File: VN062804.D
 Acq: 10 Aug 2020 13:18

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.7	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: 47.664 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN062804.D

Acq: 10 Aug 2020 13:18

Instrument :

MSVOA_N

ClientSampleId :

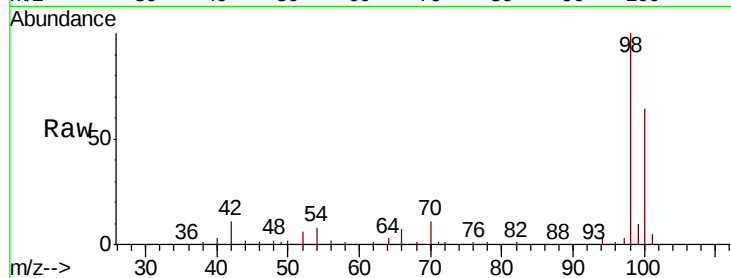
BP-VPB179-TB-20200804

Tot Ion: 98 Resp: 322971

Ion Ratio Lower Upper

98 100

100 63.8 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

200000

150000

100000

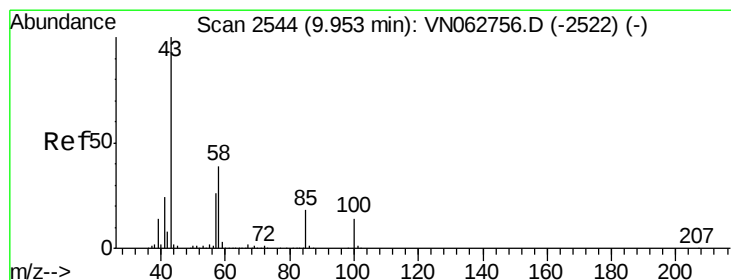
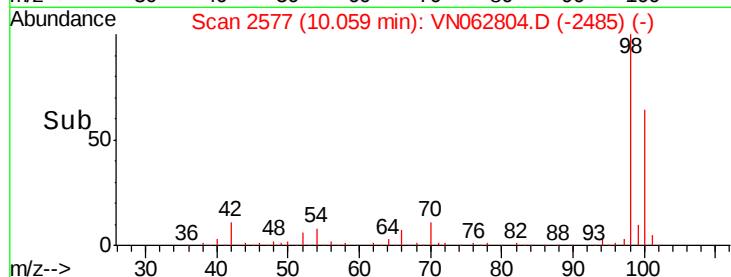
50000

0

10.06

10.10

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.210 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: VN062804.D

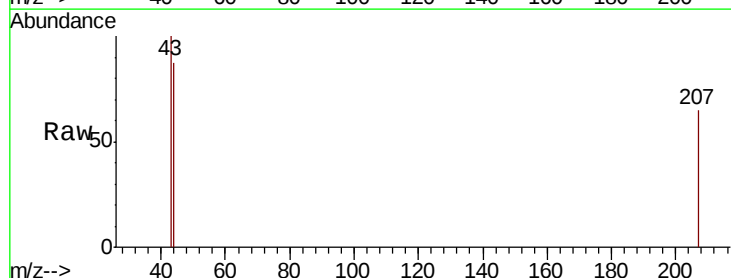
Acq: 10 Aug 2020 13:18

Tgt Ion: 43 Resp: 586

Ion Ratio Lower Upper

43 100

58 0.0 31.1 46.7#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

300

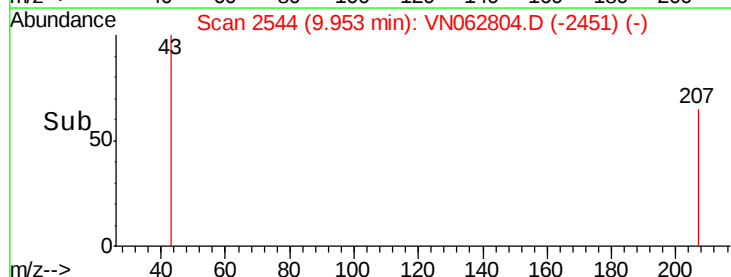
200

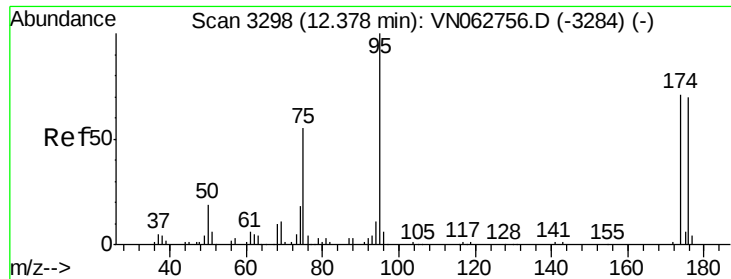
100

0

9.95

Time-->

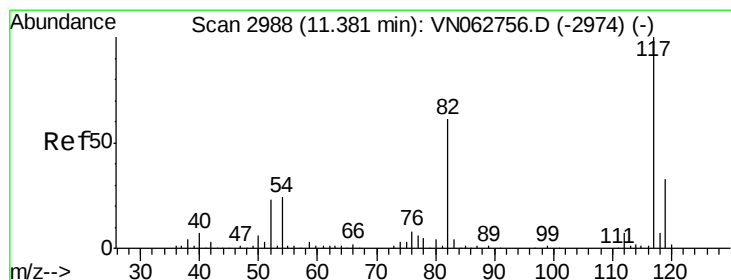
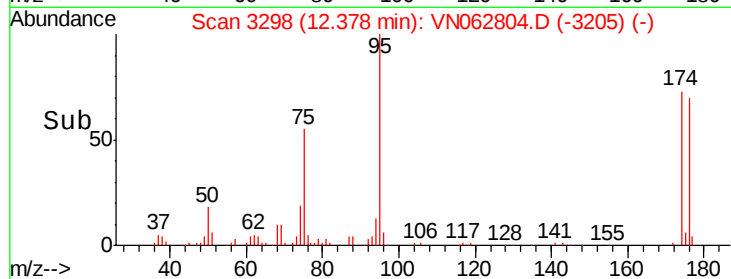
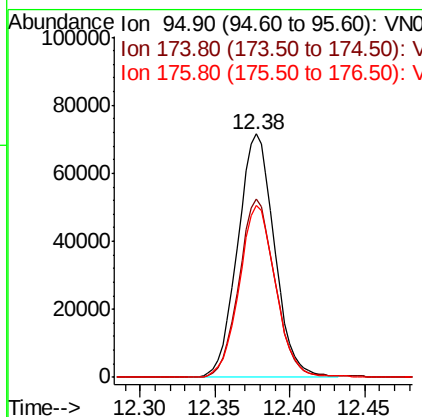
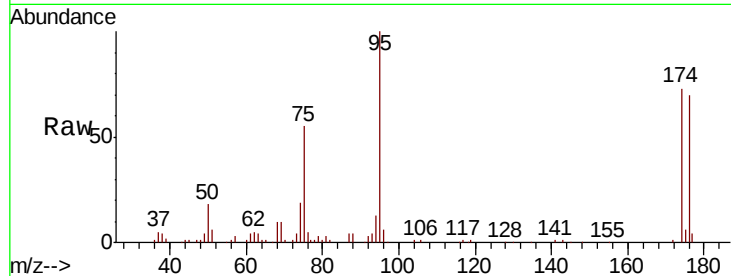




#62
4-Bromofluorobenzene
Concen: 47.766 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.00 min
Lab File: VN062804.D
Acq: 10 Aug 2020 13:18

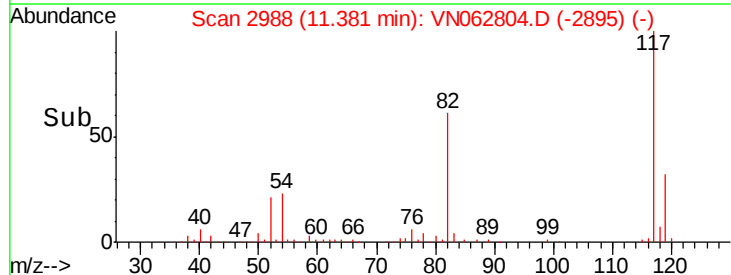
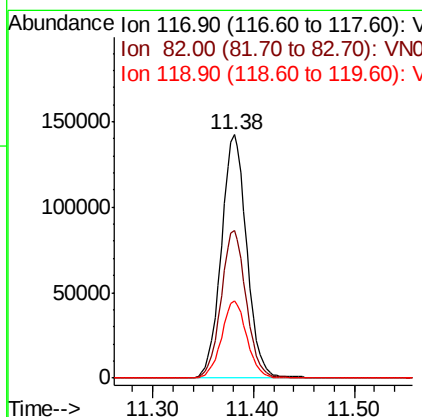
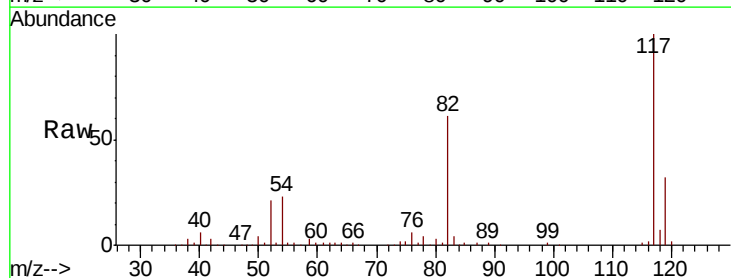
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB179-TB-20200804

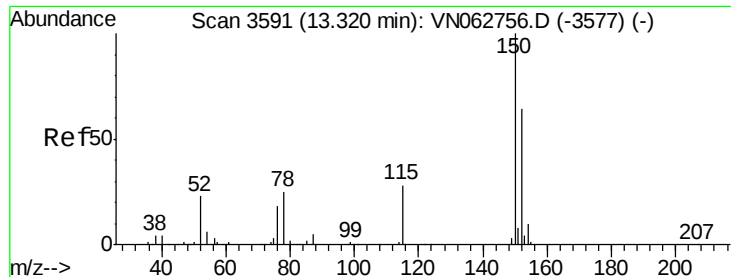
Tot Ion	95	Resp	122310
Ion Ratio	100		
Lower			
Upper			
174	72.5	0.0	144.8
176	69.9	0.0	142.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062804.D
Acq: 10 Aug 2020 13:18

Tgt Ion	117	Resp	250922
Ion Ratio <td>100</td> <td></td> <td></td>	100		
Lower			
Upper			
82	60.6	49.0	73.4
119	31.6	26.2	39.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN062804.D

Acq: 10 Aug 2020 13:18

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB179-TB-20200804

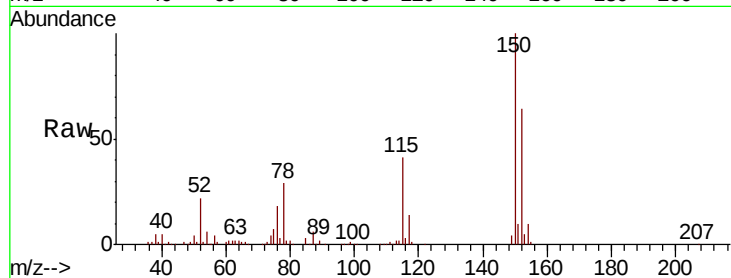
Tot Ion:152 Resp: 96390

Ion Ratio Lower Upper

152 100

115 65.2 31.6 94.8

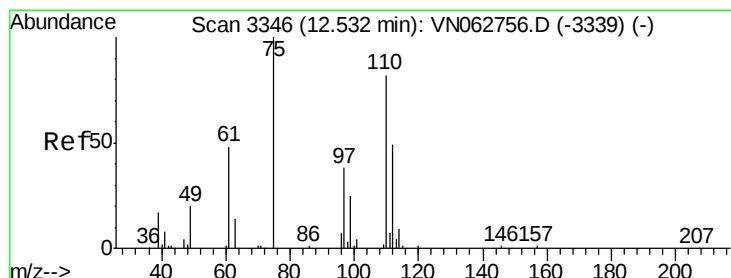
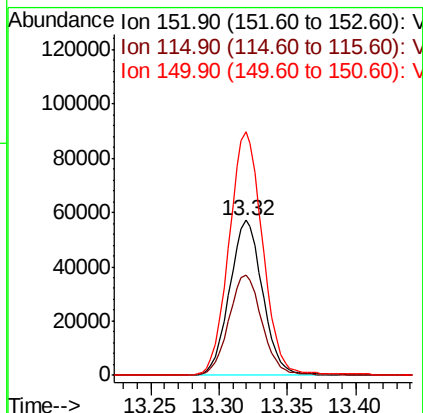
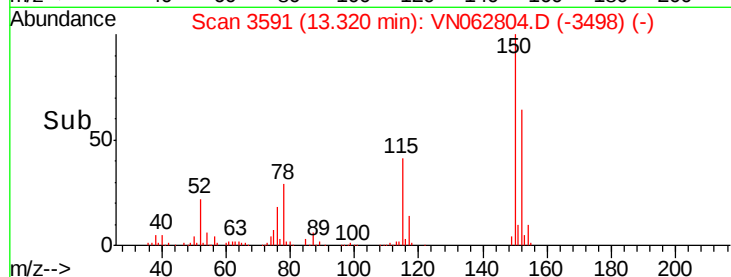
150 159.1 0.0 349.2



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: 25.767 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062804.D

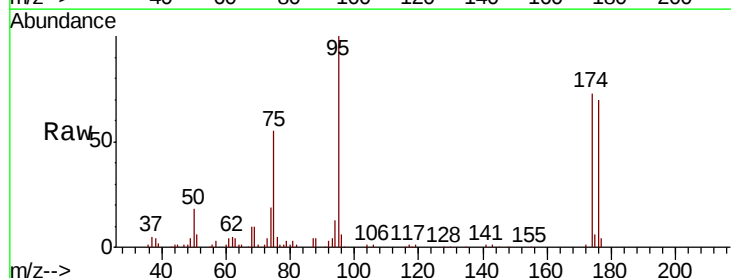
Acq: 10 Aug 2020 13:18

Tgt Ion: 75 Resp: 66983

Ion Ratio Lower Upper

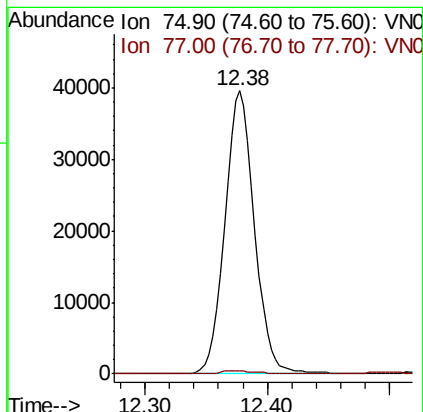
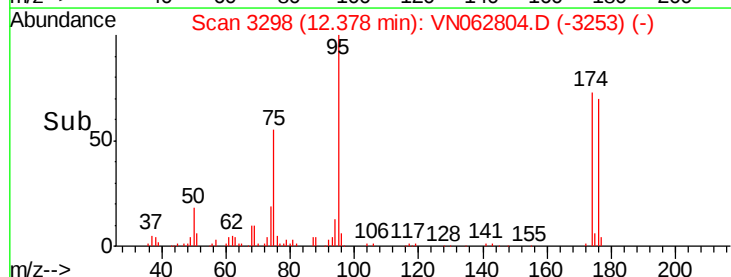
75 100

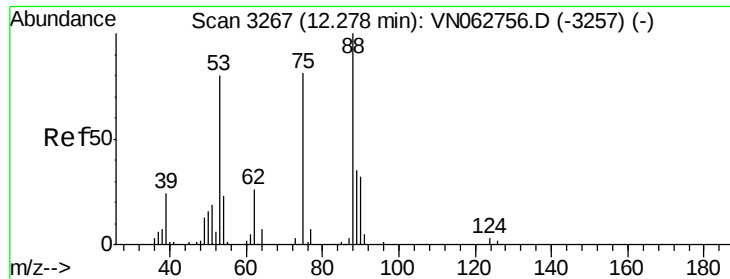
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 78.661 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062804.D

Acq: 10 Aug 2020 13:18

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB179-TB-20200804

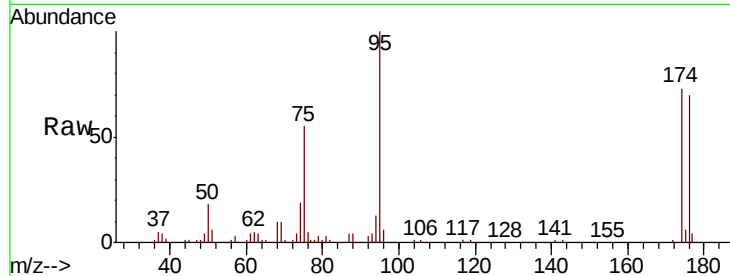
Tot Ion: 75 Resp: 66983

Ion Ratio Lower Upper

75 100

53 0.0 79.1 118.7#

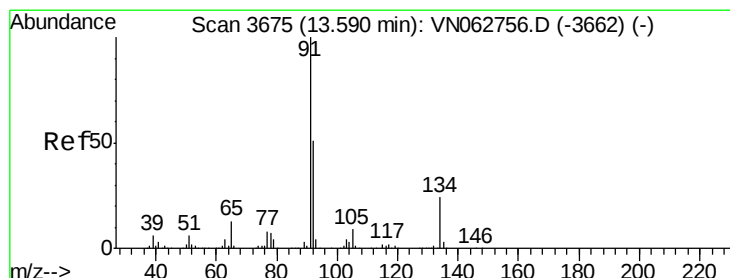
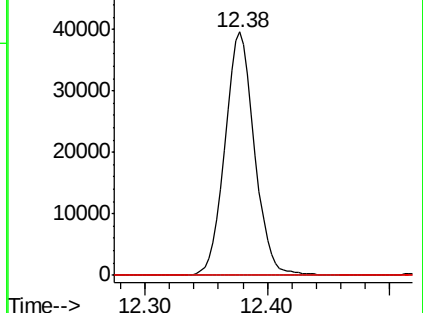
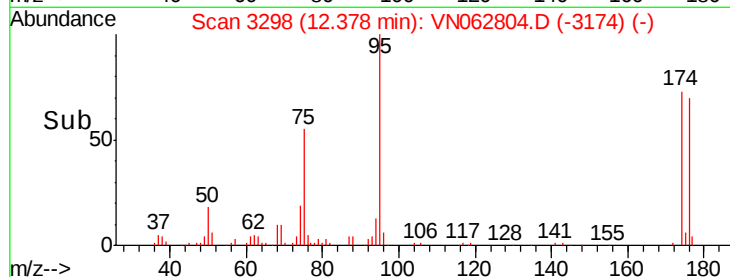
89 0.0 36.2 54.2#



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



#89

n-Butylbenzene

Concen: 0.256 ug/l

RT: 13.60 min Scan# 3678

Delta R.T. 0.01 min

Lab File: VN062804.D

Acq: 10 Aug 2020 13:18

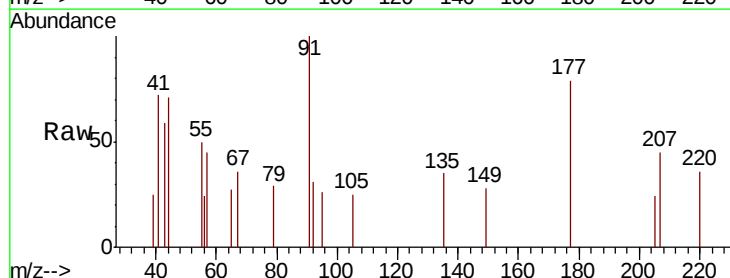
Tgt Ion: 91 Resp: 1347

Ion Ratio Lower Upper

91 100

92 0.0 25.7 77.0#

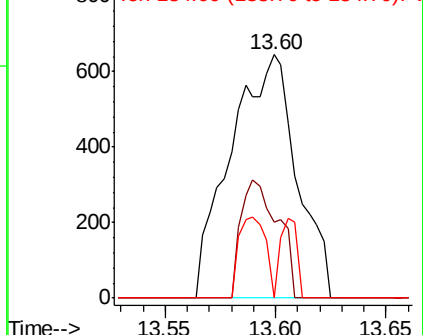
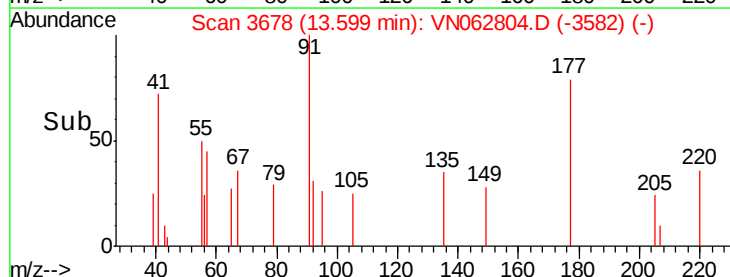
134 8.2 12.2 36.6#

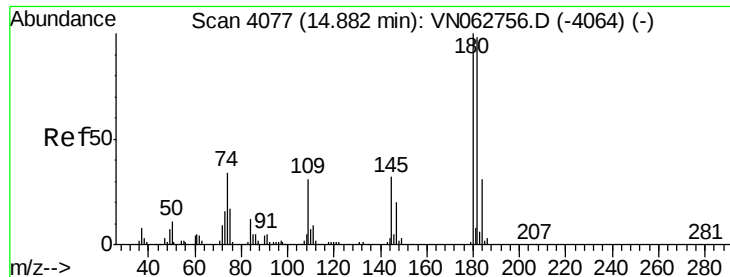


Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0

Ion 134.00 (133.70 to 134.70): V

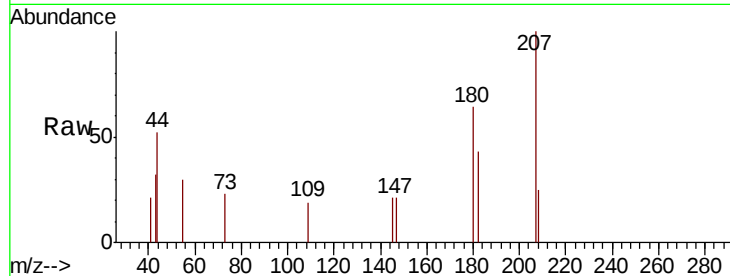




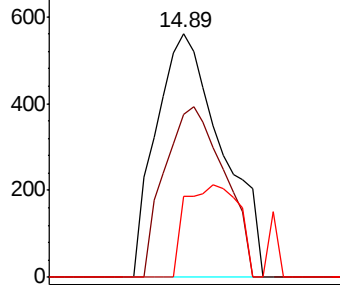
#93
 1,2,4-Trichlorobenzene
 Concen: 3.800 ug/l
 RT: 14.89 min Scan# 4078
 Delta R.T. 0.00 min
 Lab File: VN062804.D
 Acq: 10 Aug 2020 13:18

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB179-TB-20200804

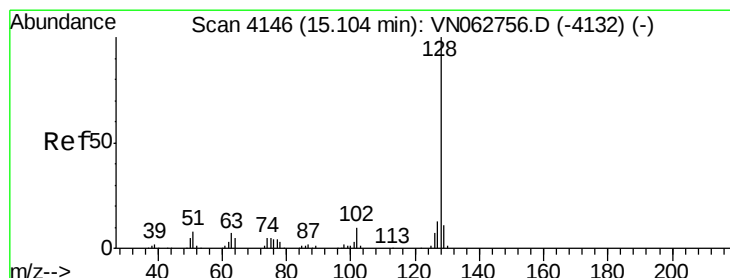
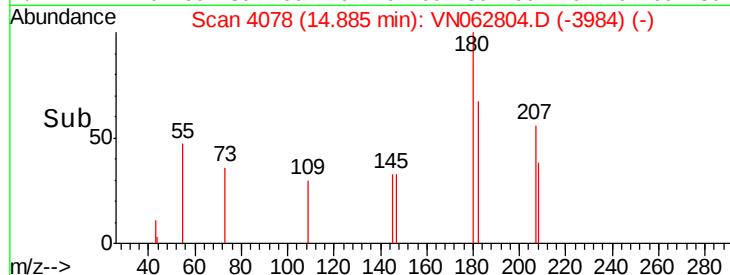
Tot Ion:180 Resp: 830
 Ion Ratio Lower Upper
 180 100
 182 63.9 49.1 147.4
 145 30.8 16.3 48.8



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

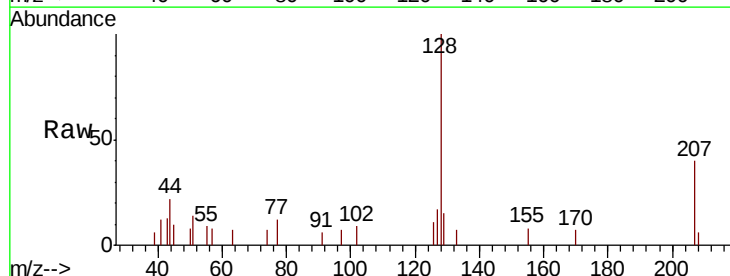


Time--> 14.85 14.90

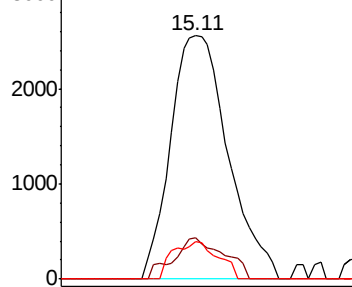


#95
 Naphthalene
 Concen: 4.857 ug/l
 RT: 15.11 min Scan# 4147
 Delta R.T. 0.00 min
 Lab File: VN062804.D
 Acq: 10 Aug 2020 13:18

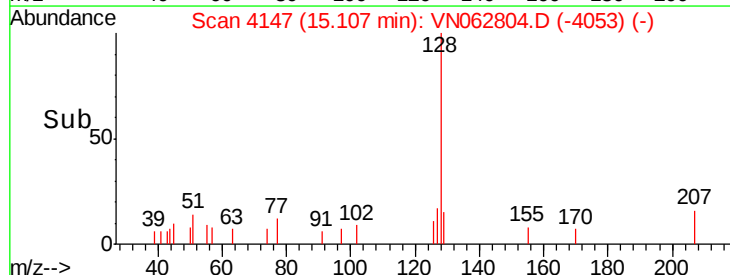
Tgt Ion:128 Resp: 5498
 Ion Ratio Lower Upper
 128 100
 127 14.8 10.8 16.2
 129 12.0 8.8 13.2

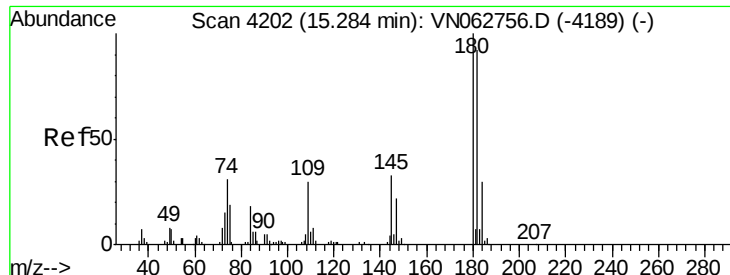


Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V



Time--> 15.05 15.10 15.15





#96

1,2,3-Trichlorobenzene

Concen: 3.206 ug/l

RT: 15.29 min Scan# 4203

Delta R.T. 0.00 min

Lab File: VN062804.D

Acq: 10 Aug 2020 13:18

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB179-TB-20200804

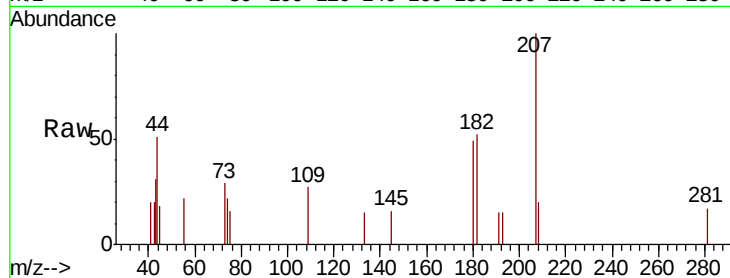
Tot Ion:180 Resp: 788

Ion Ratio Lower Upper

180 100

182 104.7 47.9 143.6

145 17.3 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

