

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081020\
 Data File : VN062813.D
 Acq On : 10 Aug 2020 16:59
 Operator : JC/MD
 Sample : L3618-10
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB179-GW-558-560

Quant Time: Aug 11 06:55:50 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	137330	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	238770	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	241146	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	88977	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	112770	49.66	ug/l	0.00
Spiked Amount			Recovery	=	99.32%	
35) Dibromofluoromethane	7.55	113	81298	49.77	ug/l	0.00
Spiked Amount			Recovery	=	99.54%	
50) Toluene-d8	10.06	98	304741	47.79	ug/l	0.00
Spiked Amount			Recovery	=	95.58%	
62) 4-Bromofluorobenzene	12.38	95	116870	48.50	ug/l	0.00
Spiked Amount			Recovery	=	97.00%	

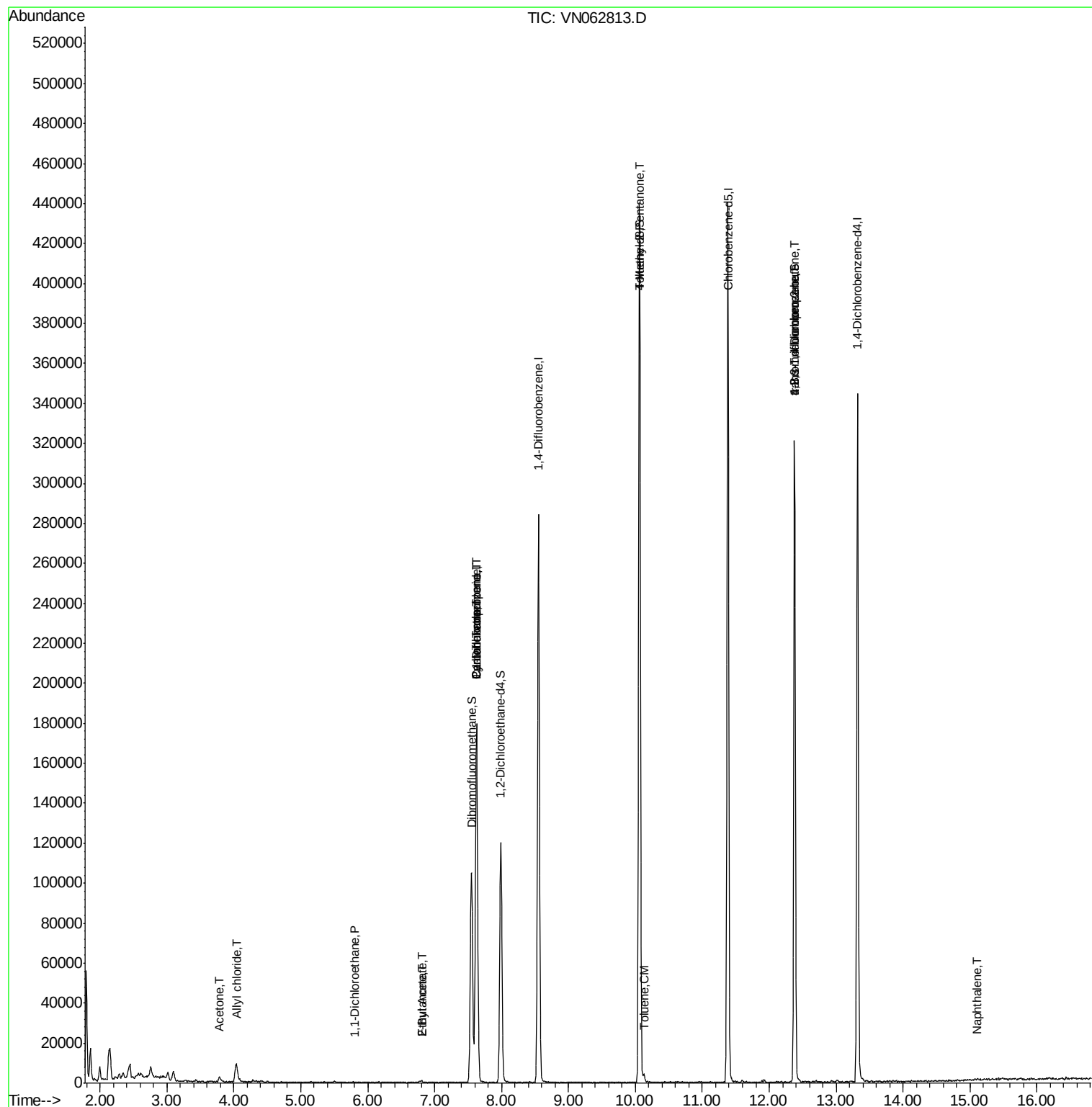
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
14) Allyl chloride	4.04	41	1530	0.636	ug/l #	46
16) Acetone	3.79	43	4857	5.919	ug/l	98
17) Carbon Disulfide	4.00	76	65	Below Cal	#	74
18) Methyl Acetate	4.28	43	1227	Below Cal	#	58
24) 1,1-Dichloroethane	5.81	63	802	0.267	ug/l #	84
25) 2-Butanone	6.81	43	488	0.420	ug/l #	49
31) Cyclohexane	7.63	56	3011	1.094	ug/l #	1
36) 1,1-Dichloropropene	7.62	75	11740	5.050	ug/l #	47
37) Ethyl Acetate	6.81	43	488	0.201	ug/l #	67
38) Carbon Tetrachloride	7.62	117	15155	5.512	ug/l #	14
51) 4-Methyl-2-Pentanone	10.06	43	1555	0.593	ug/l #	1
52) Toluene	10.13	92	1632	0.381	ug/l	99
76) 1,2,3-Trichloropropane	12.38	75	63654	26.527	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	63654	80.979	ug/l #	10
95) Naphthalene	15.11	128	62	3.722	ug/l #	68

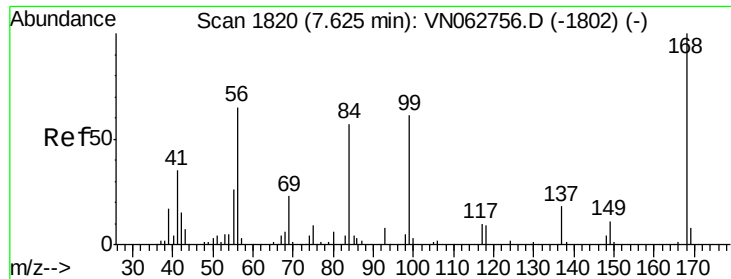
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN062813.D

Acq: 10 Aug 2020 16:59

Instrument :

MSVOA_N

ClientSampleId :

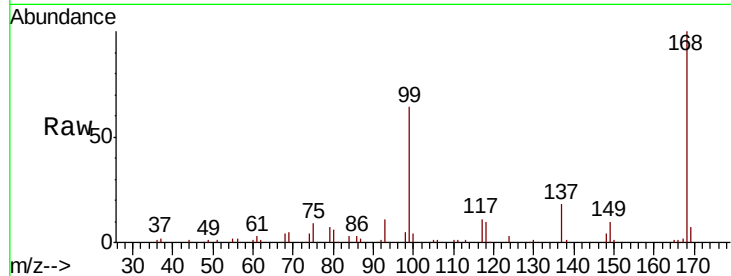
BP-VPB179-GW-558-560

Tot Ion:168 Resp: 137330

Ion Ratio Lower Upper

168 100

99 63.8 52.9 79.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

60000

50000

40000

30000

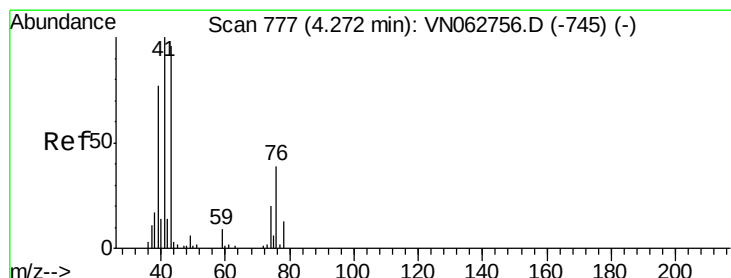
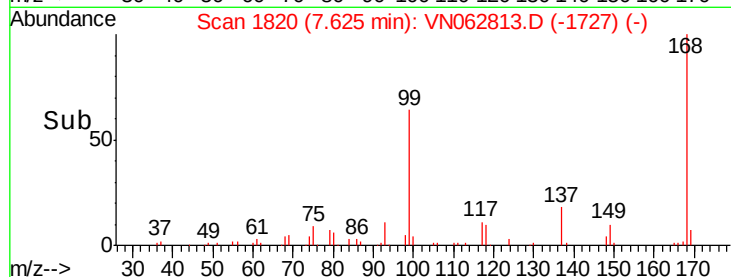
20000

10000

0

Time-->

7.55 7.60 7.65 7.70



#14

Allyl chloride

Concen: 0.636 ug/l

RT: 4.04 min Scan# 706

Delta R.T. -0.23 min

Lab File: VN062813.D

Acq: 10 Aug 2020 16:59

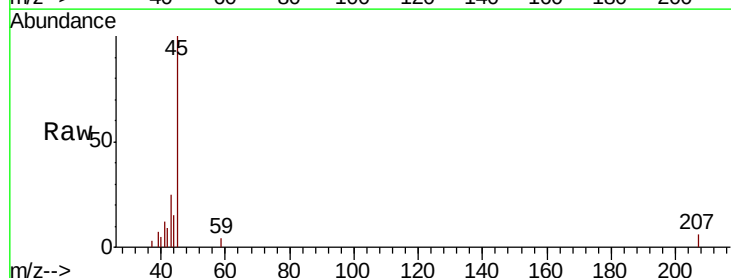
Tgt Ion: 41 Resp: 1530

Ion Ratio Lower Upper

41 100

39 27.9 55.7 83.5#

76 0.0 27.5 41.3#



Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO

800

600

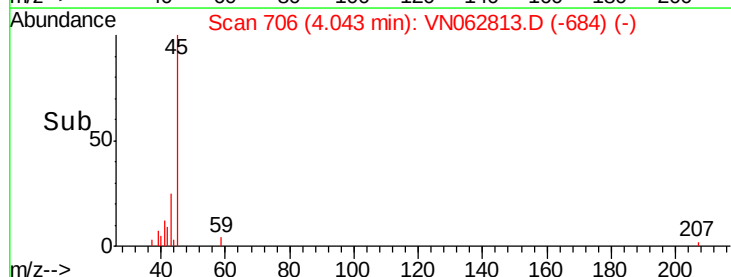
400

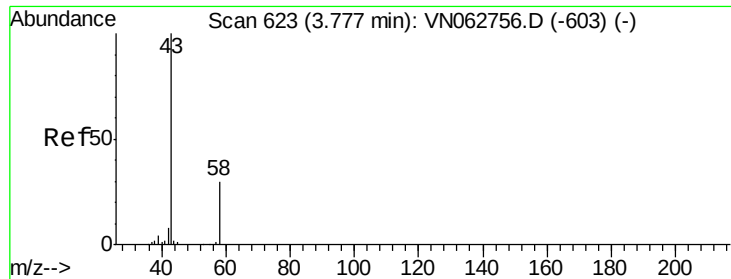
200

0

Time-->

4.00 4.05 4.10

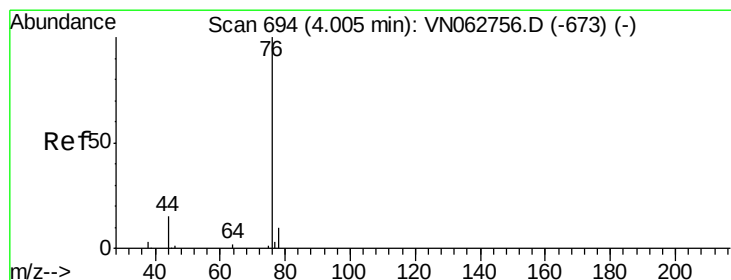
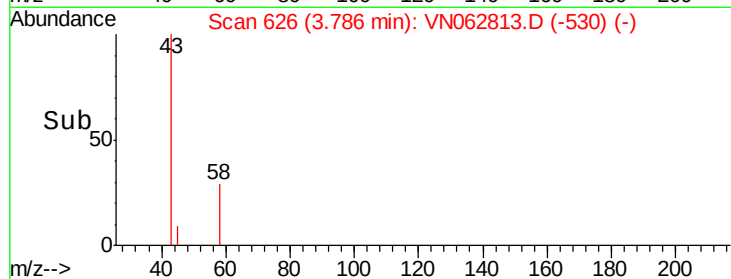
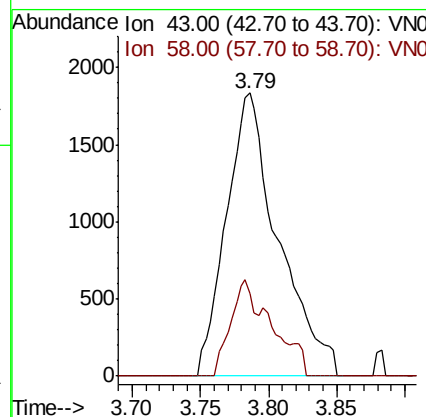
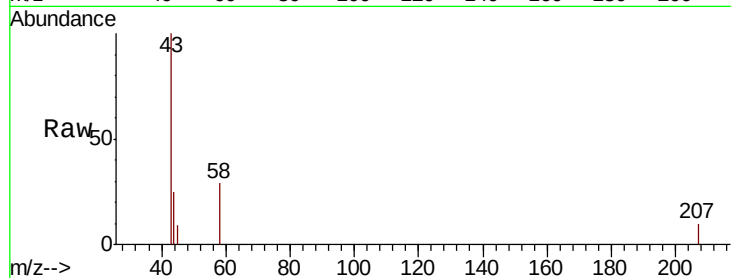




#16
Acetone
Concen: 5.919 ug/l
RT: 3.79 min Scan# 626
Delta R.T. 0.01 min
Lab File: VN062813.D
Acq: 10 Aug 2020 16:59

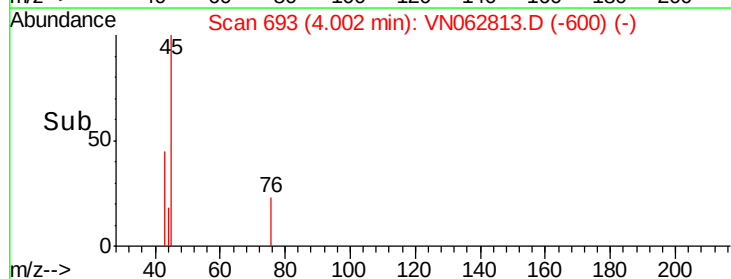
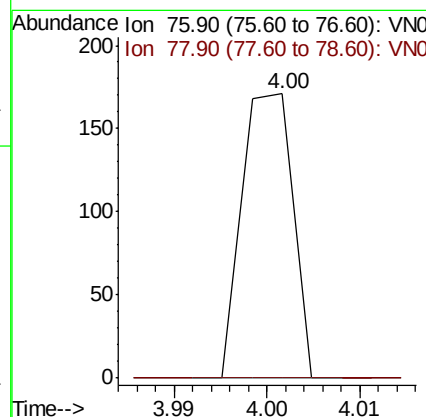
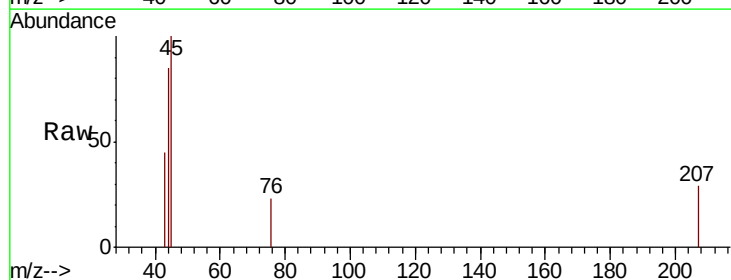
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BP-VPB179-GW-558-560

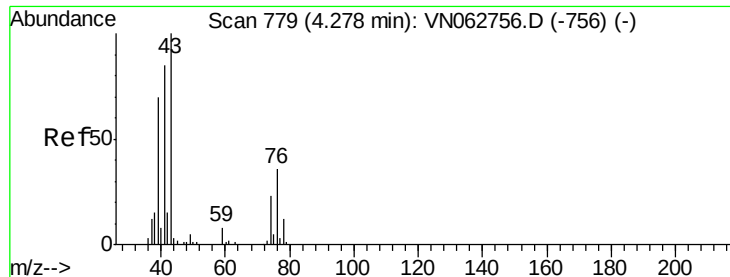
Tot Ion: 43 Resp: 4857
Ion Ratio Lower Upper
43 100
58 29.3 24.1 36.1



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.00 min Scan# 693
Delta R.T. -0.00 min
Lab File: VN062813.D
Acq: 10 Aug 2020 16:59

Tgt Ion: 76 Resp: 65
Ion Ratio Lower Upper
76 100
78 0.0 7.7 11.5#

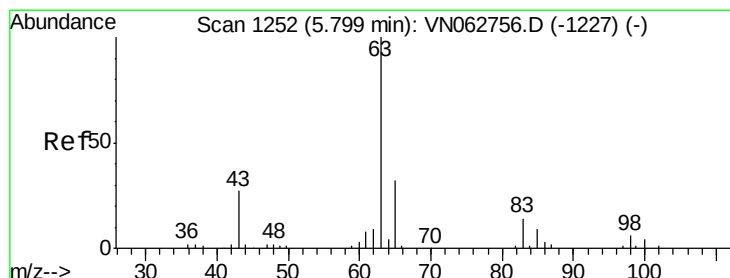
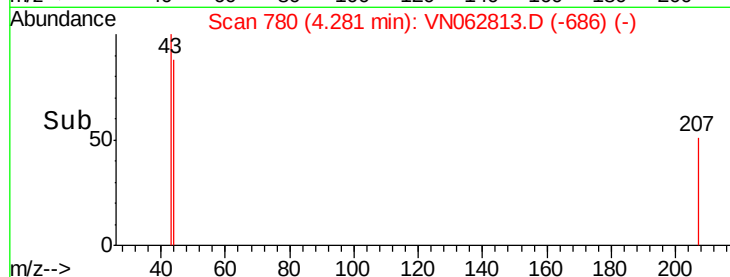
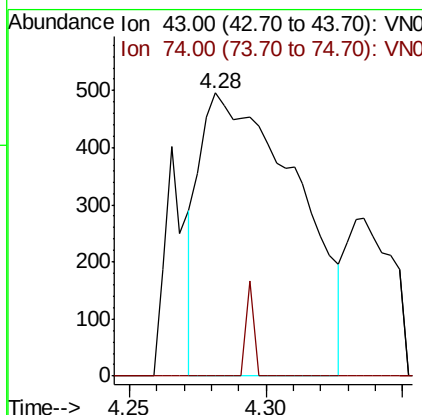
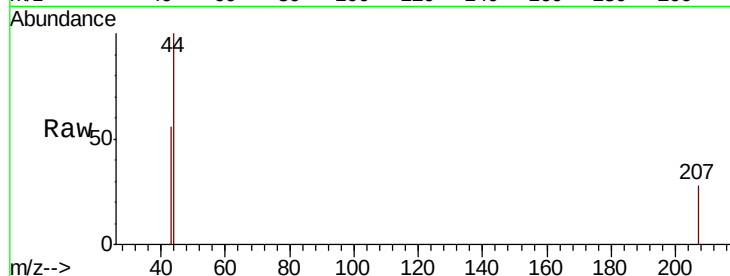




#18
Methyl Acetate
Concen: Below Cal
RT: 4.28 min Scan# 780
Delta R.T. 0.00 min
Lab File: VN062813.D
Acq: 10 Aug 2020 16:59

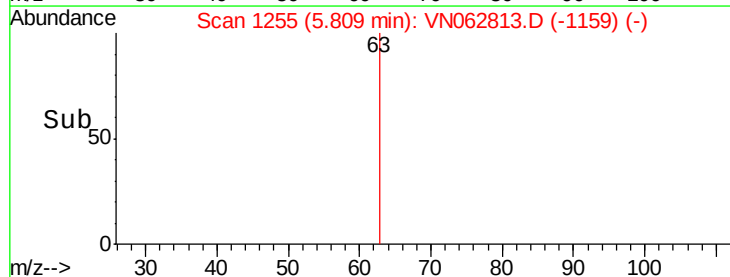
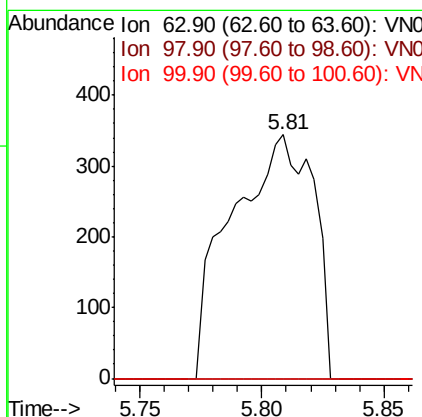
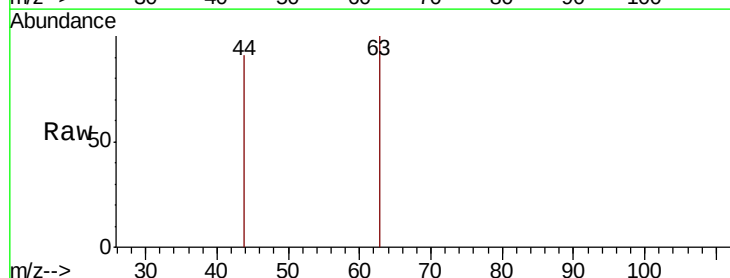
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB179-GW-558-560

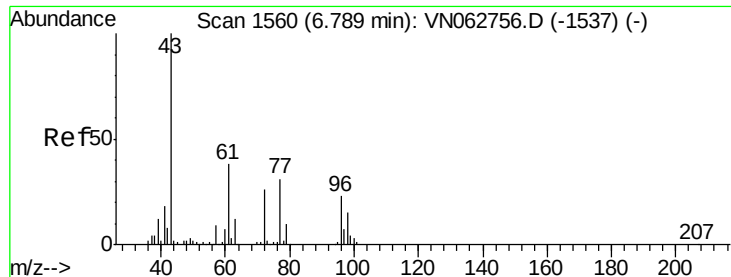
Tot Ion: 43 Resp: 1227
Ion Ratio Lower Upper
43 100
74 2.6 18.6 28.0#



#24
1,1-Dichloroethane
Concen: 0.267 ug/l
RT: 5.81 min Scan# 1255
Delta R.T. 0.01 min
Lab File: VN062813.D
Acq: 10 Aug 2020 16:59

Tgt Ion: 63 Resp: 802
Ion Ratio Lower Upper
63 100
98 0.0 3.0 9.2#
100 0.0 1.9 5.7#





#25

2-Butanone

Concen: 0.420 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.02 min

Lab File: VN062813.D

Acq: 10 Aug 2020 16:59

Instrument :

MSVOA_N

ClientSampleId :

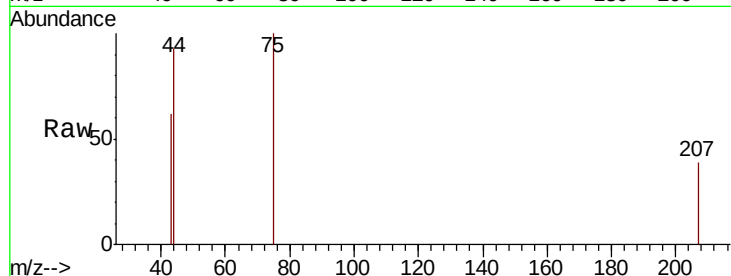
BP-VPB179-GW-558-560

Tot Ion: 43 Resp: 488

Ion Ratio Lower Upper

43 100

72 0.0 21.1 31.7#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.81

300

250

200

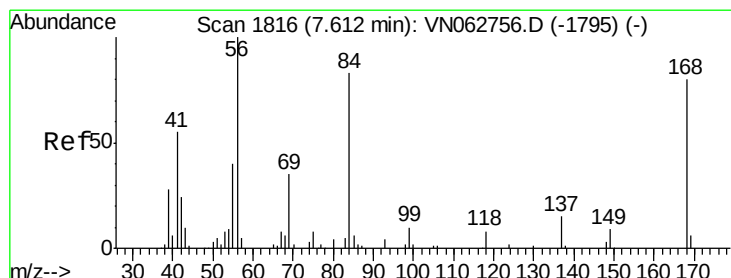
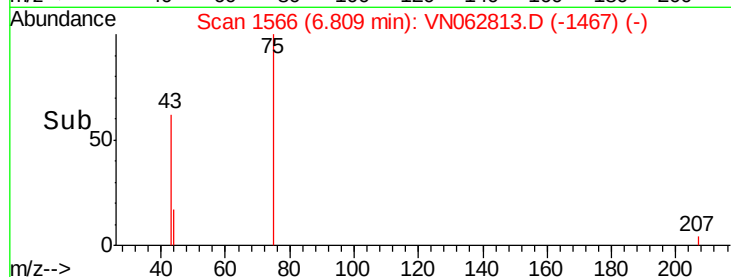
150

100

50

0

Time--> 6.76 6.78 6.80 6.82 6.84



#31

Cyclohexane

Concen: 1.094 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.01 min

Lab File: VN062813.D

Acq: 10 Aug 2020 16:59

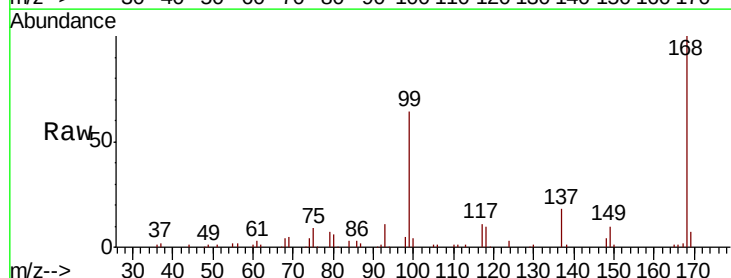
Tgt Ion: 56 Resp: 3011

Ion Ratio Lower Upper

56 100

69 191.4 28.1 42.1#

84 116.2 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

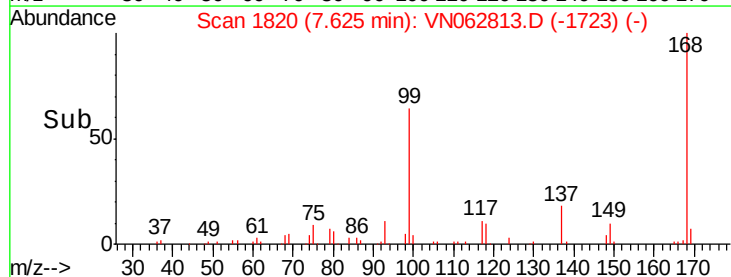
3000

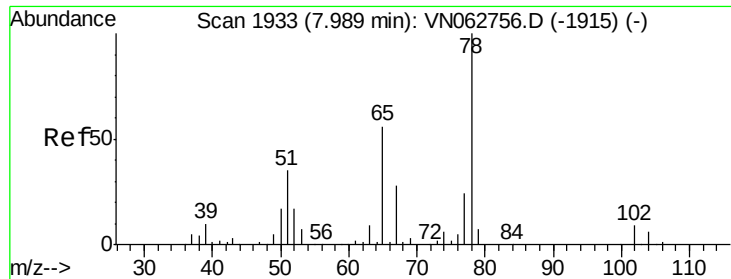
2000

1000

0

Time--> 7.55 7.60 7.65

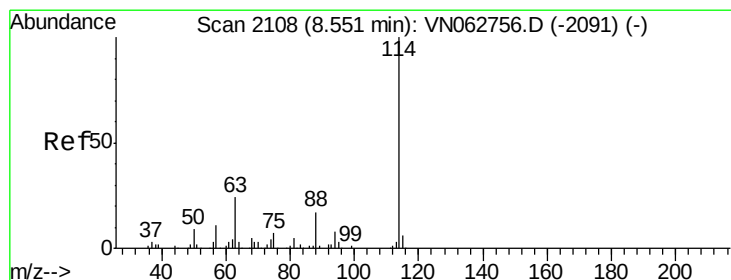
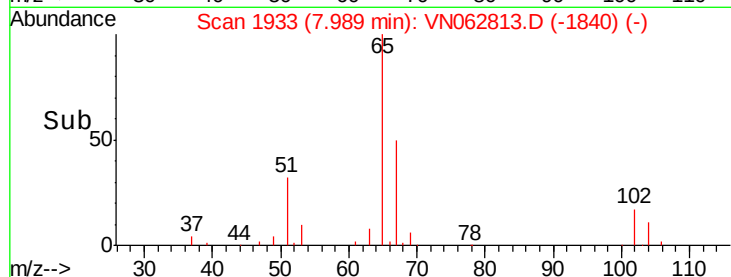
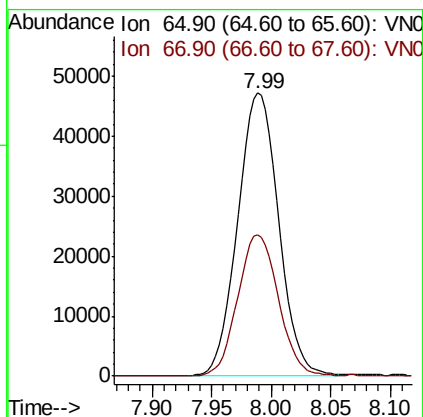
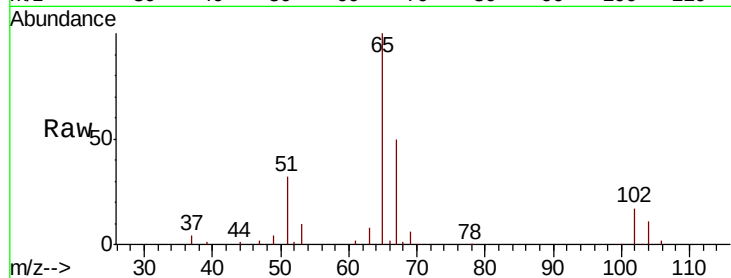




#33
 1,2-Dichloroethane-d4
 Concen: 49.656 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN062813.D
 Acq: 10 Aug 2020 16:59

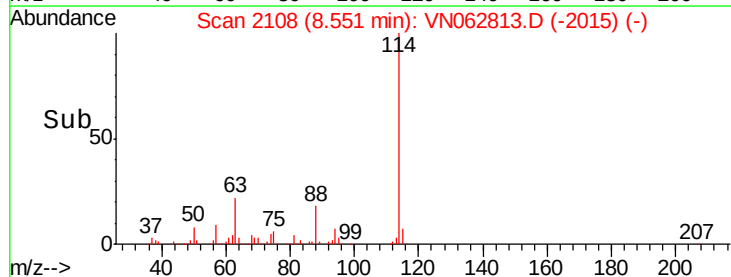
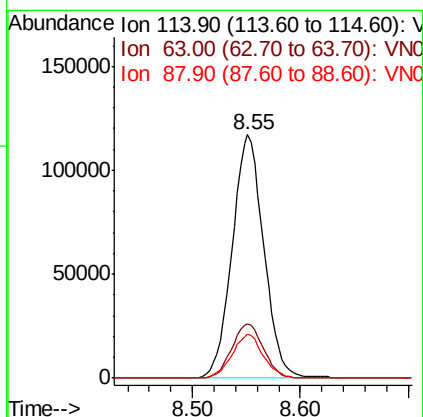
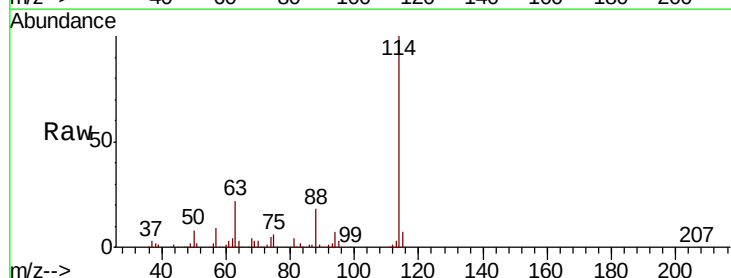
Instrument :
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 ClientSampleId :
 BP-VPB179-GW-558-560

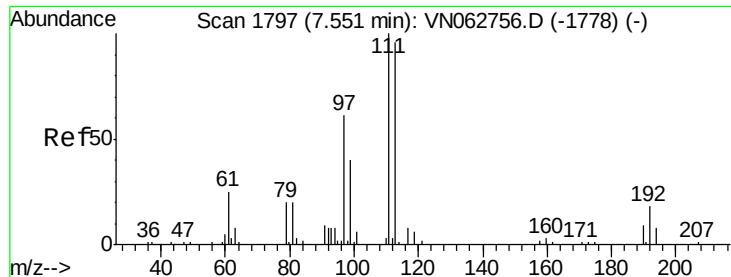
Tot Ion: 65 Resp: 112770
 Ion Ratio Lower Upper
 65 100
 67 49.7 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN062813.D
 Acq: 10 Aug 2020 16:59

Tgt Ion: 114 Resp: 238770
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 47.6
 88 17.9 0.0 34.4

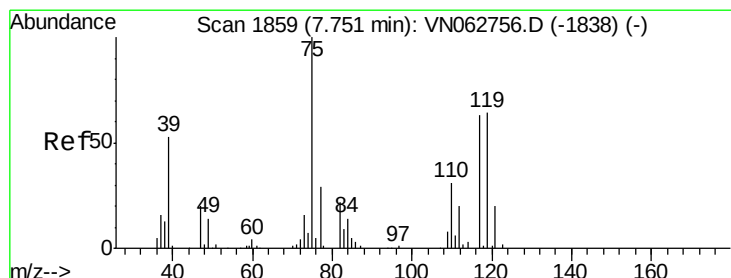
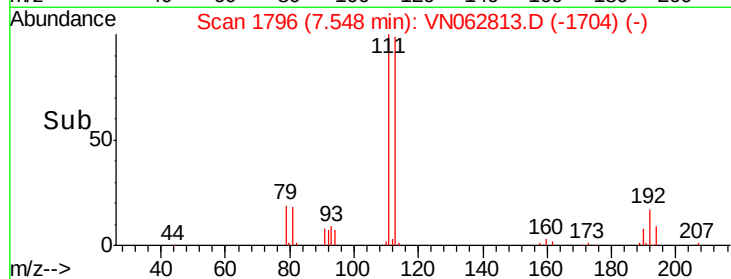
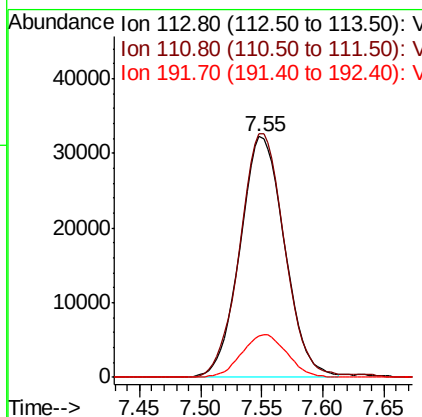
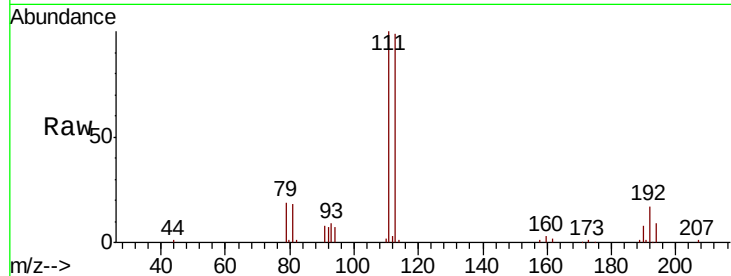




#35
 Dibromofluoromethane
 Concen: 49.775 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN062813.D
 Acq: 10 Aug 2020 16:59

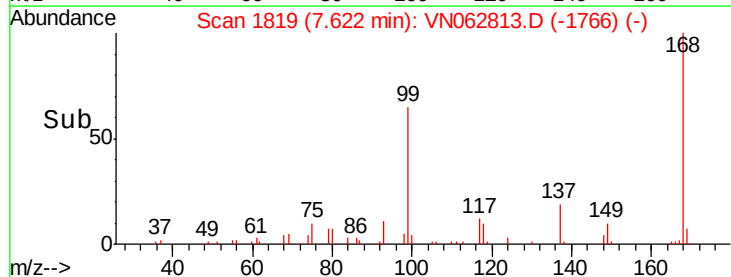
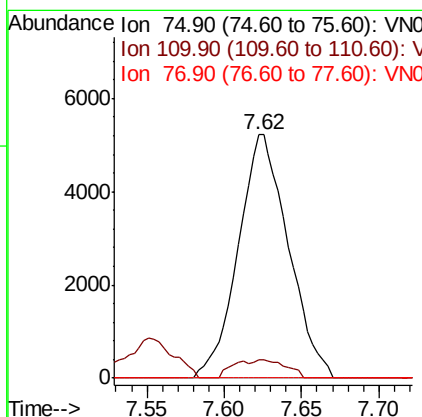
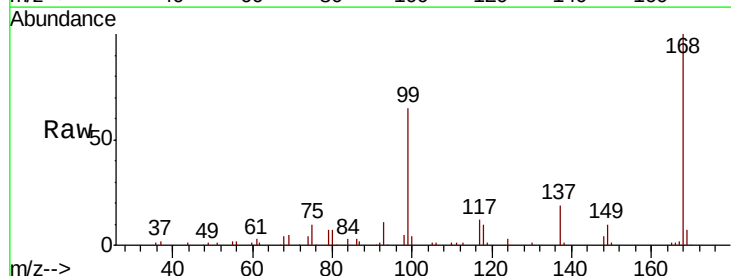
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 BP-VPB179-GW-558-560

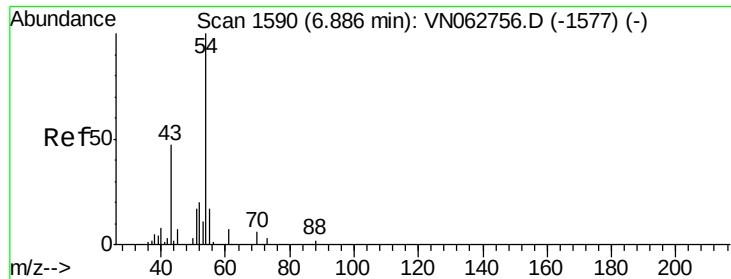
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.6	81.8	122.6
192	18.0	15.0	22.4



#36
 1,1-Dichloropropene
 Concen: 5.050 ug/l
 RT: 7.62 min Scan# 1819
 Delta R.T. -0.13 min
 Lab File: VN062813.D
 Acq: 10 Aug 2020 16:59

Tgt Ion	Ratio	Lower	Upper
75	100		
110	2.8	15.6	46.7#
77	0.0	24.1	36.1#





#37

Ethyl Acetate

Concen: 0.201 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. -0.08 min

Lab File: VN062813.D

Acq: 10 Aug 2020 16:59

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB179-GW-558-560

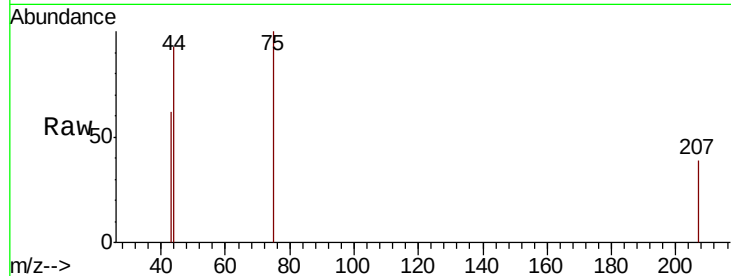
Tot Ion: 43 Resp: 488

Ion Ratio Lower Upper

43 100

61 0.0 12.1 18.1#

70 0.0 8.3 12.5#



Abundance Ion 43.00 (42.70 to 43.70): VN062756.D (-1577) (-)

Ion 60.90 (60.60 to 61.60): VN062756.D (-1577) (-)

Ion 70.00 (69.70 to 70.70): VN062756.D (-1577) (-)

6.81

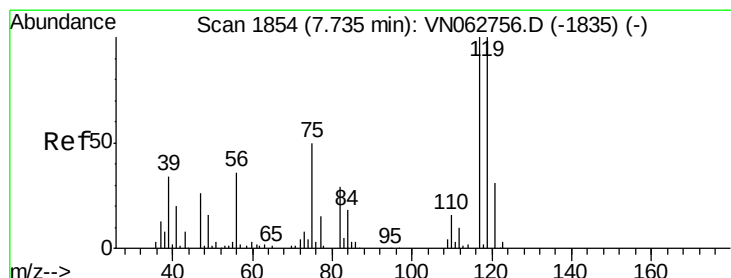
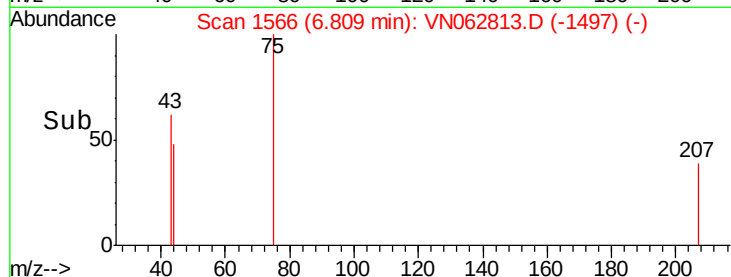
300

200

100

0

Time--> 6.76 6.78 6.80 6.82 6.84



#38

Carbon Tetrachloride

Concen: 5.512 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.11 min

Lab File: VN062813.D

Acq: 10 Aug 2020 16:59

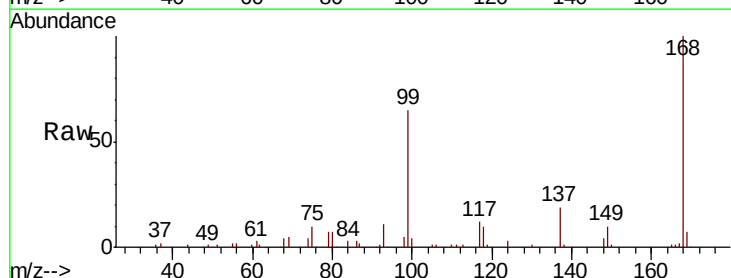
Tgt Ion: 117 Resp: 15155

Ion Ratio Lower Upper

117 100

119 4.4 79.4 119.2#

121 0.0 24.9 37.3#



Abundance Ion 116.80 (116.50 to 117.50): VN062756.D (-1835) (-)

Ion 118.80 (118.50 to 119.50): VN062756.D (-1835) (-)

Ion 120.80 (120.50 to 121.50): VN062756.D (-1835) (-)

7.62

8000

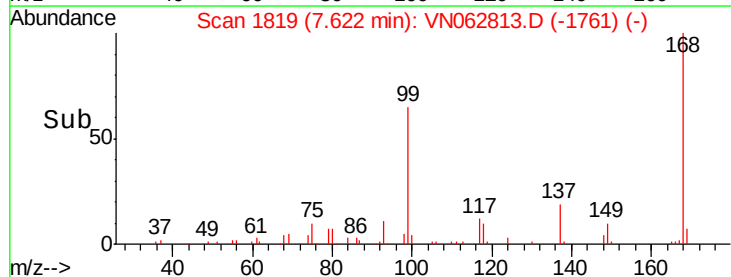
6000

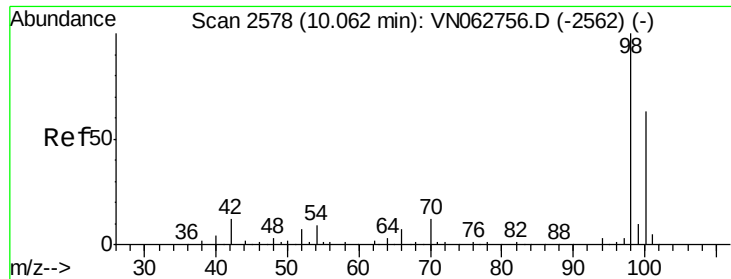
4000

2000

0

Time--> 7.55 7.60 7.65 7.70





#50

Toluene-d8

Concen: 47.790 ug/l

RT: 10.06 min Scan# 2578

Delta R.T. 0.00 min

Lab File: VN062813.D

Acq: 10 Aug 2020 16:59

Instrument :

MSVOA_N

ClientSampleId :

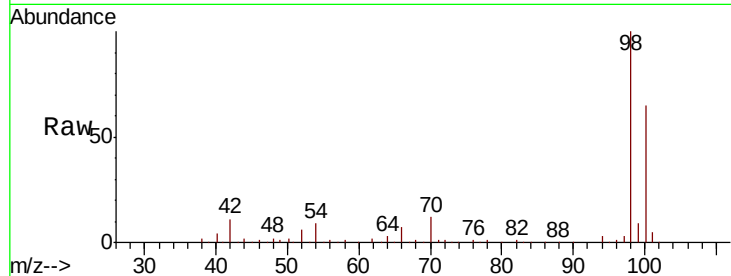
BP-VPB179-GW-558-560

Tot Ion: 98 Resp: 304741

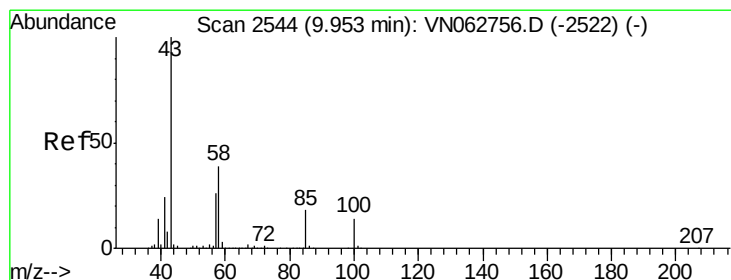
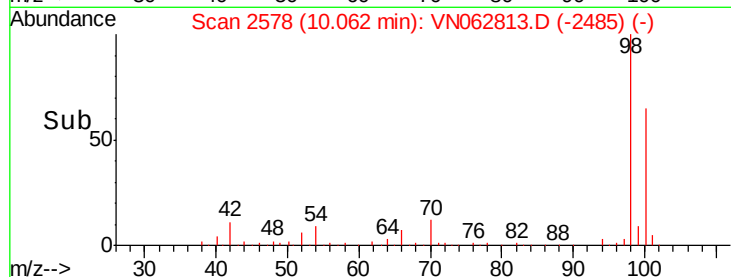
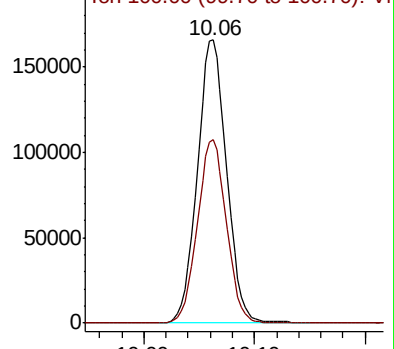
Ion Ratio Lower Upper

98 100

100 64.2 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VN062813.D (-2485) (-)



#51

4-Methyl-2-Pentanone

Concen: 0.593 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.11 min

Lab File: VN062813.D

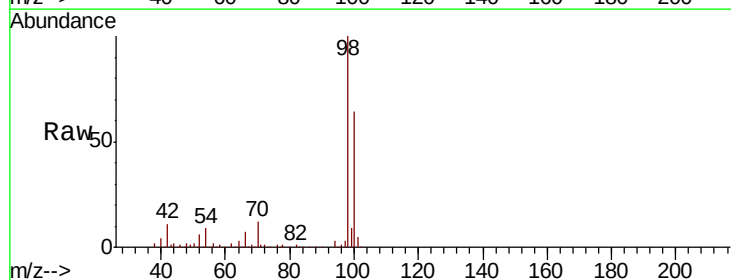
Acq: 10 Aug 2020 16:59

Tgt Ion: 43 Resp: 1555

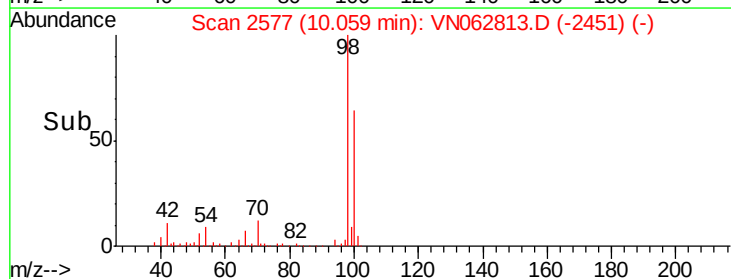
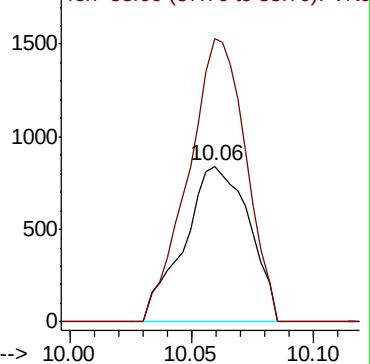
Ion Ratio Lower Upper

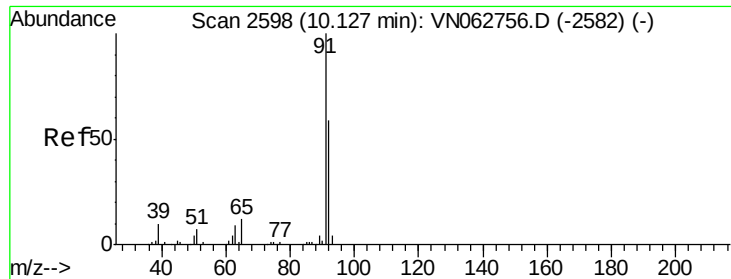
43 100

58 161.0 31.1 46.7#



Abundance Ion 43.00 (42.70 to 43.70): VN062813.D (-2451) (-)





#52

Toluene

Concen: 0.381 ug/l

RT: 10.13 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VN062813.D

Acq: 10 Aug 2020 16:59

Instrument :

MSVOA_N

ClientSampleId :

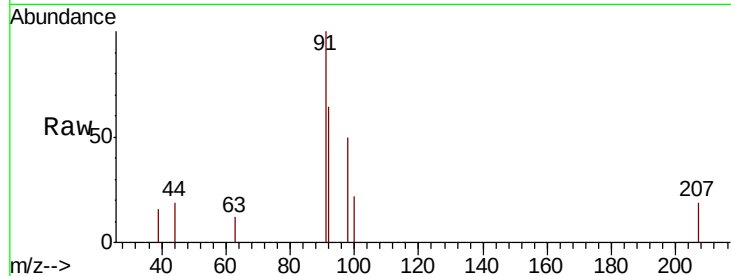
BP-VPB179-GW-558-560

Tot Ion: 92 Resp: 1632

Ion Ratio Lower Upper

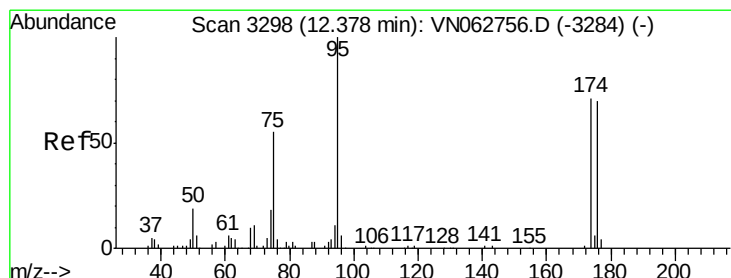
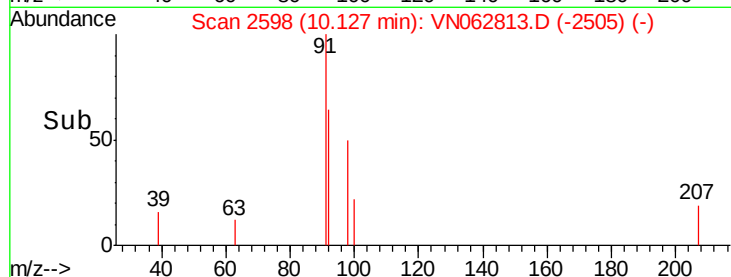
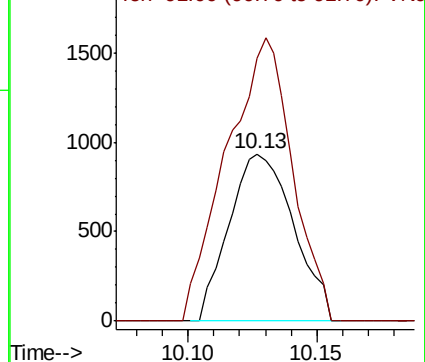
92 100

91 172.9 138.9 208.3



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



#62

4-Bromofluorobenzene

Concen: 48.499 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN062813.D

Acq: 10 Aug 2020 16:59

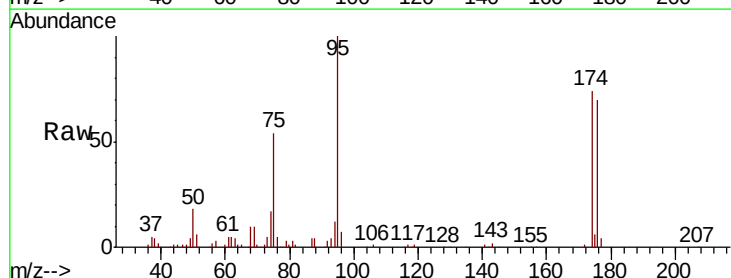
Tgt Ion: 95 Resp: 116870

Ion Ratio Lower Upper

95 100

174 73.4 0.0 144.8

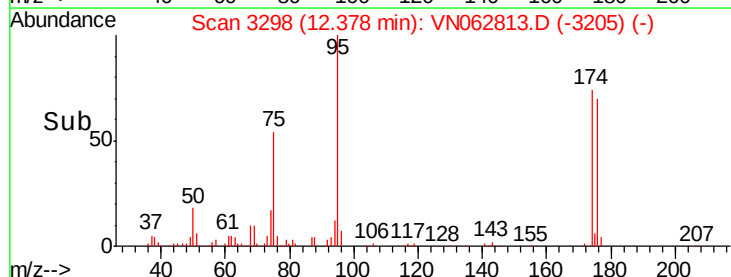
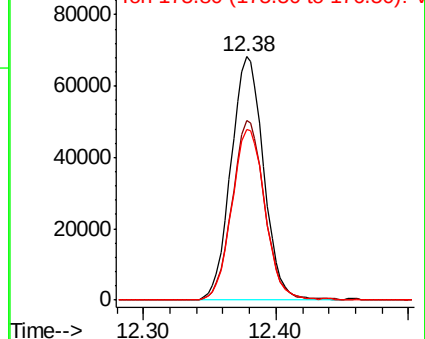
176 71.1 0.0 142.2

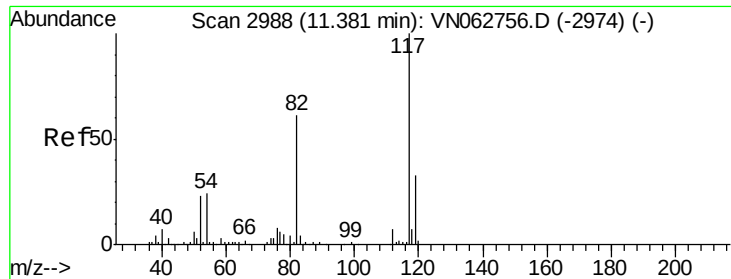


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

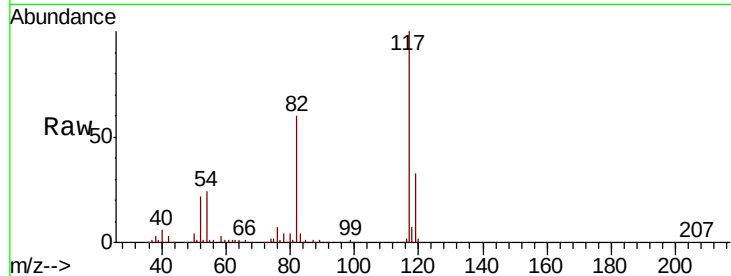




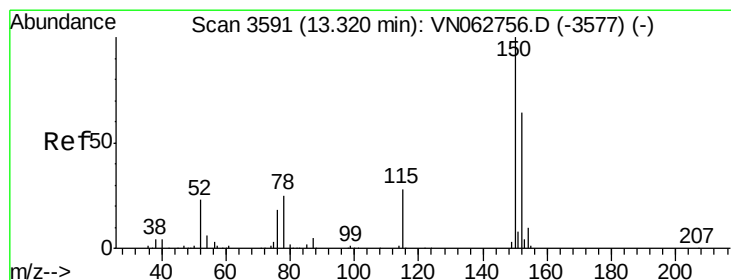
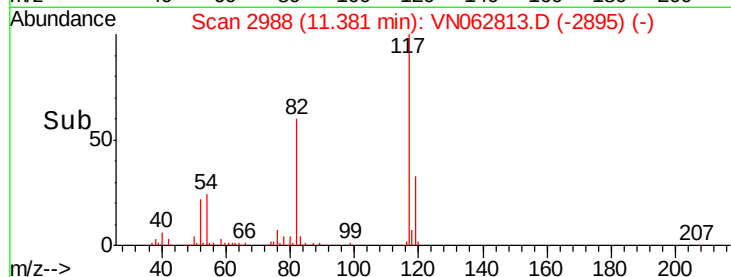
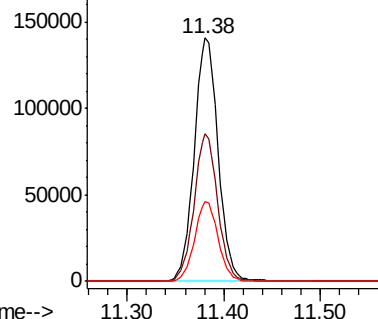
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN062813.D
Acq: 10 Aug 2020 16:59

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB179-GW-558-560

Tot Ion:117 Resp: 241146
Ion Ratio Lower Upper
117 100
82 60.5 49.0 73.4
119 33.0 26.2 39.2

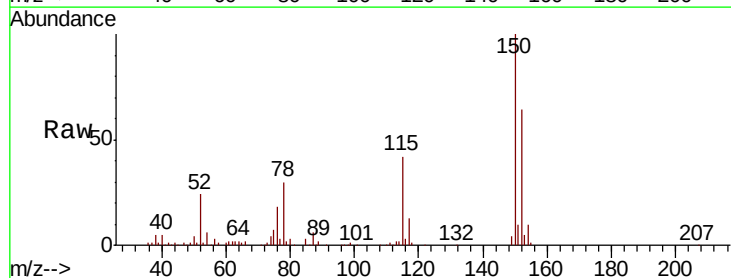


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

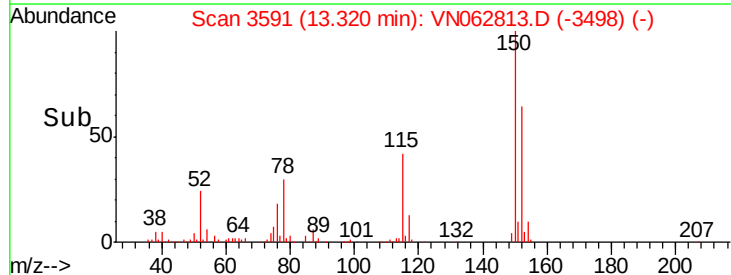
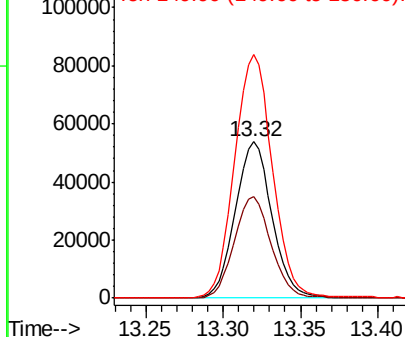


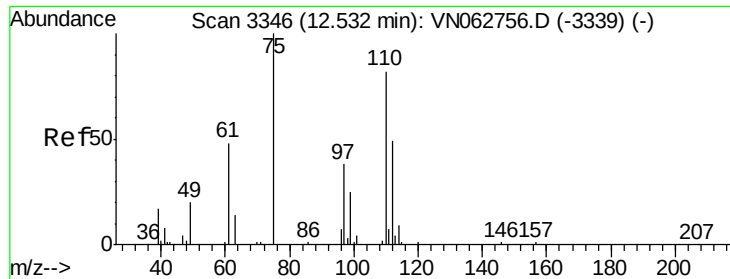
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3591
Delta R.T. 0.00 min
Lab File: VN062813.D
Acq: 10 Aug 2020 16:59

Tgt Ion:152 Resp: 88977
Ion Ratio Lower Upper
152 100
115 65.6 31.6 94.8
150 161.0 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

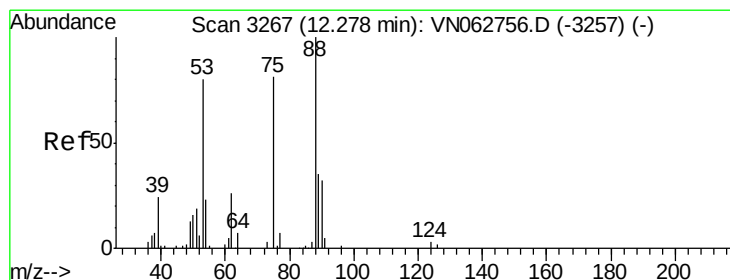
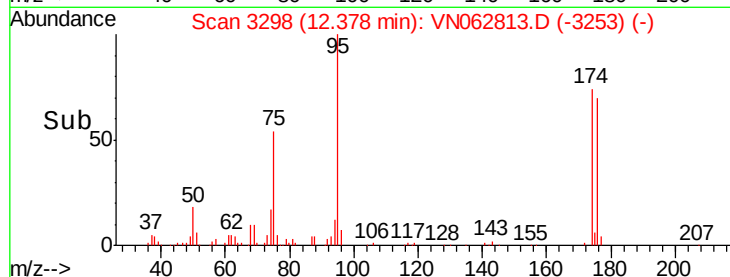
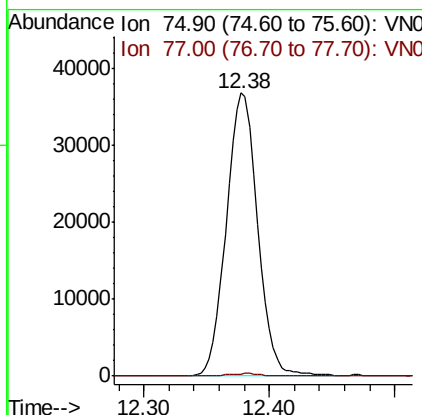
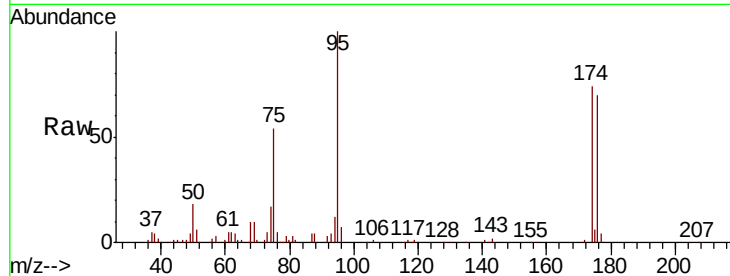




#76
 1,2,3-Trichloropropane
 Concen: 26.527 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.15 min
 Lab File: VN062813.D
 Acq: 10 Aug 2020 16:59

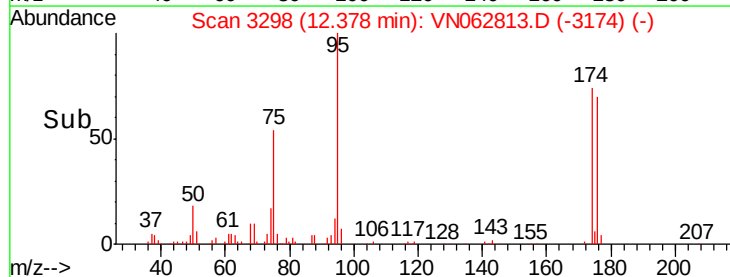
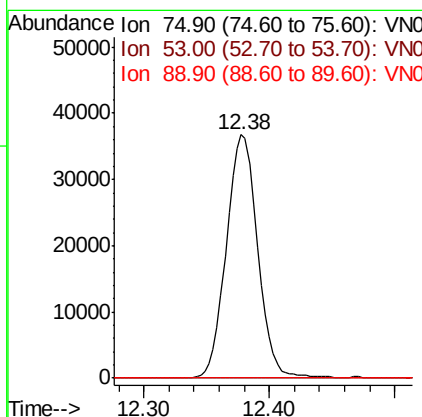
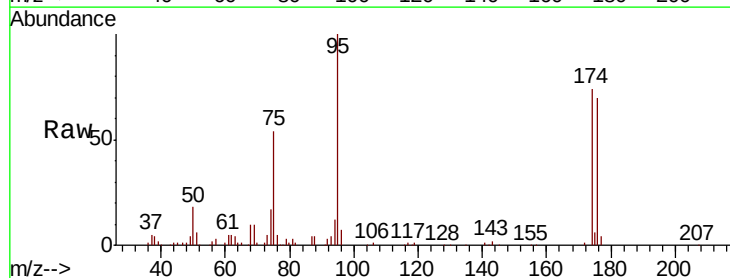
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB179-GW-558-560

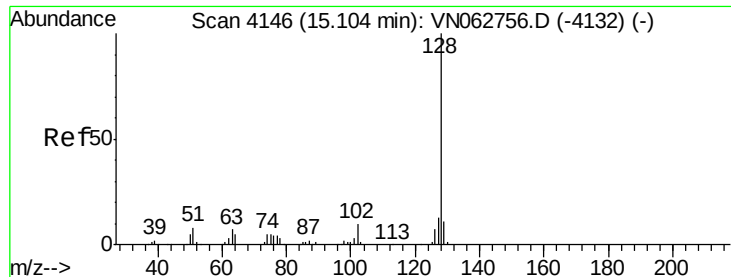
Tot Ion: 75 Resp: 63654
 Ion Ratio Lower Upper
 75 100
 77 0.8 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 80.979 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.10 min
 Lab File: VN062813.D
 Acq: 10 Aug 2020 16:59

Tgt Ion: 75 Resp: 63654
 Ion Ratio Lower Upper
 75 100
 53 0.0 79.1 118.7#
 89 0.0 36.2 54.2#





#95

Naphthalene

Concen: 3.722 ug/l

RT: 15.11 min Scan# 4147

Delta R.T. 0.00 min

Lab File: VN062813.D

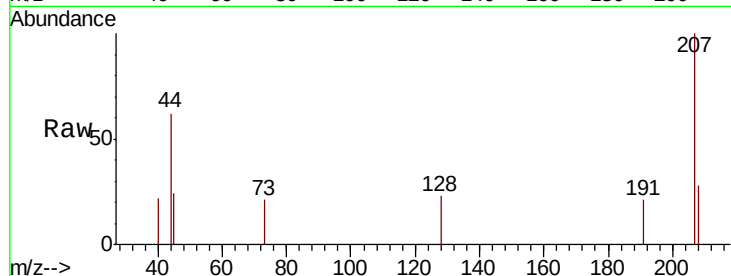
Acq: 10 Aug 2020 16:59

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB179-GW-558-560



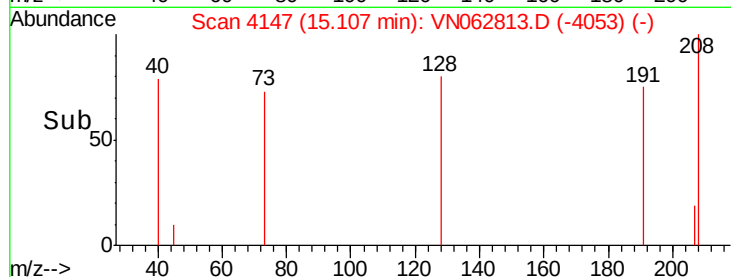
Tot Ion:128 Resp: 62

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

