

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081020\
 Data File : VN062814.D
 Acq On : 10 Aug 2020 17:23
 Operator : JC/MD
 Sample : L3618-11
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB179-GW-578-580

Quant Time: Aug 11 06:56:03 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	143684	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	249207	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	250376	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	97190	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	115016	48.41	ug/l	0.00
Spiked Amount			Recovery	=	96.82%	
35) Dibromofluoromethane	7.55	113	85065	49.90	ug/l	0.00
Spiked Amount			Recovery	=	99.80%	
50) Toluene-d8	10.06	98	320933	48.22	ug/l	0.00
Spiked Amount			Recovery	=	96.44%	
62) 4-Bromofluorobenzene	12.38	95	123356	49.05	ug/l	0.00
Spiked Amount			Recovery	=	98.10%	

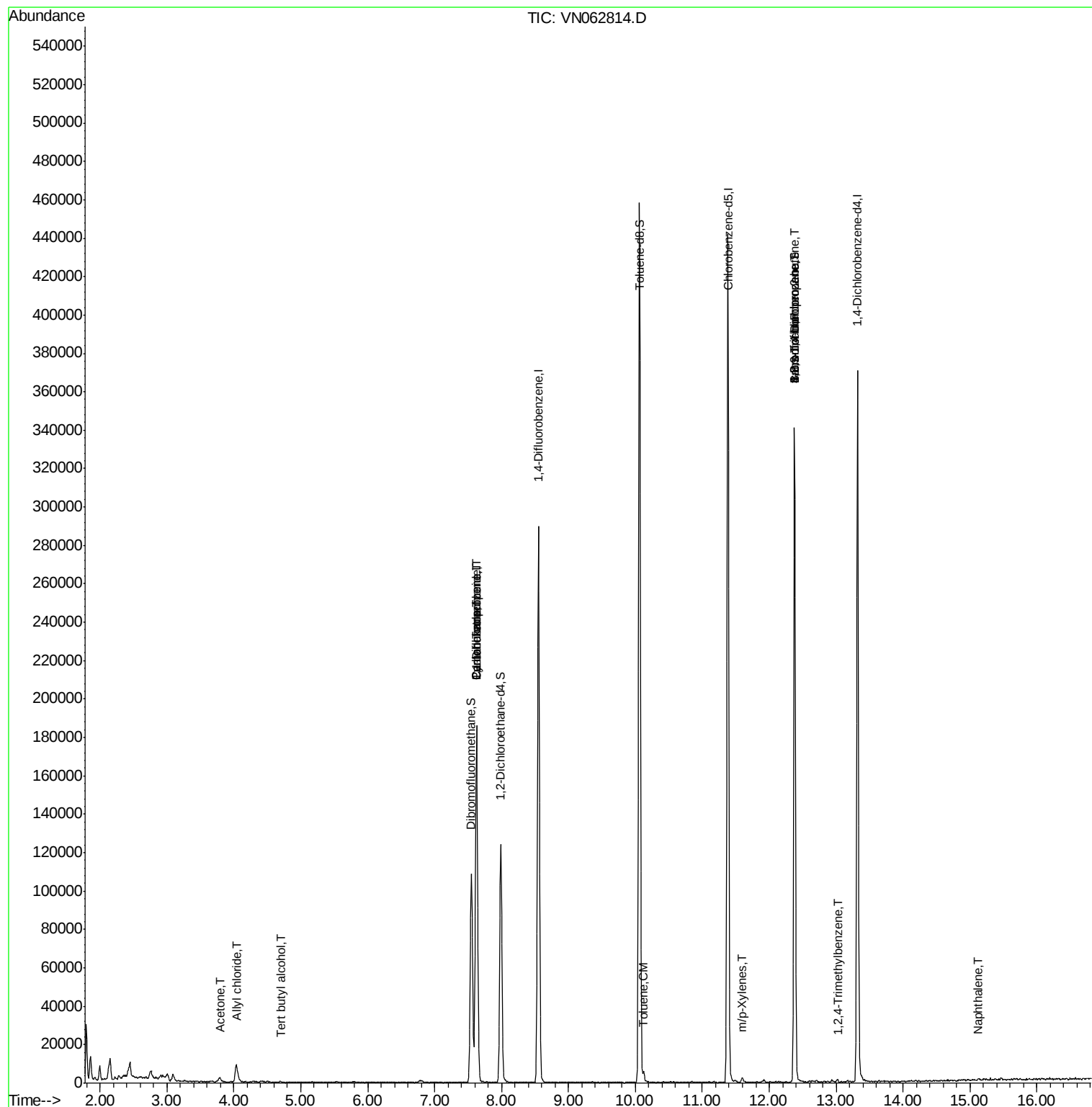
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.71	59	423	1.086	ug/l #	72
14) Allyl chloride	4.03	41	619	0.246	ug/l #	1
16) Acetone	3.79	43	4861	5.662	ug/l	99
18) Methyl Acetate	4.28	43	984	Below Cal	#	52
20) Methylene Chloride	4.49	84	245	Below Cal	#	47
31) Cyclohexane	7.63	56	3416	1.186	ug/l #	3
36) 1,1-Dichloropropene	7.63	75	11831	4.876	ug/l #	51
38) Carbon Tetrachloride	7.63	117	15888	5.536	ug/l #	15
52) Toluene	10.12	92	2172	0.486	ug/l	98
68) m/p-Xylenes	11.60	106	816	0.240	ug/l	75
71) Bromoform	12.38	173	797	0.463	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	65744	25.083	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	65744	76.570	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.02	105	1280	0.211	ug/l	100
95) Naphthalene	15.12	128	208	3.751	ug/l #	68

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN081020\
Data File : VN062814.D
Acq On : 10 Aug 2020 17:23
Operator : JC/MD
Sample : L3618-11
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB179-GW-578-580

Quant Time: Aug 11 06:56:03 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: VN062814.D

Acq: 10 Aug 2020 17:23

Instrument :

MSVOA_N

ClientSampleId :

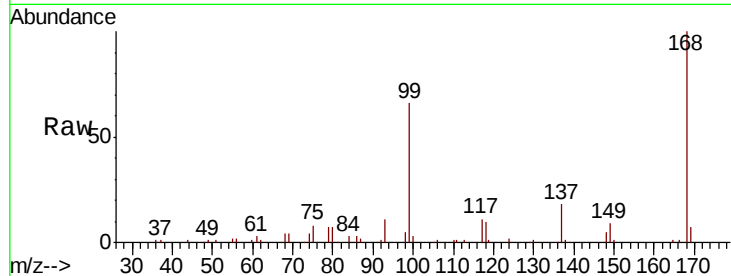
BP-VPB179-GW-578-580

Tot Ion:168 Resp: 143684

Ion Ratio Lower Upper

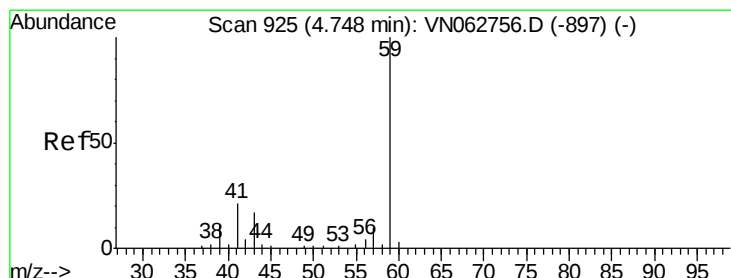
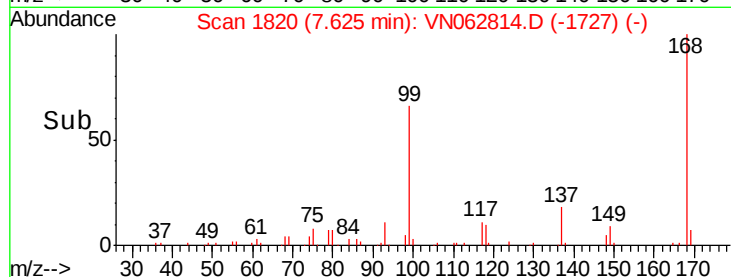
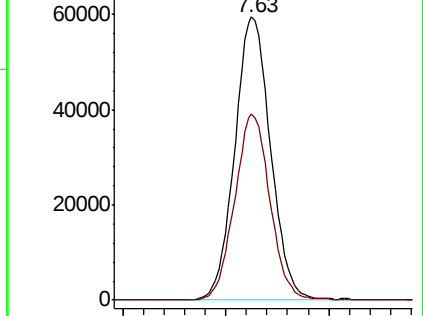
168 100

99 65.7 52.9 79.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#11

Tert butyl alcohol

Concen: 1.086 ug/l

RT: 4.71 min Scan# 913

Delta R.T. -0.04 min

Lab File: VN062814.D

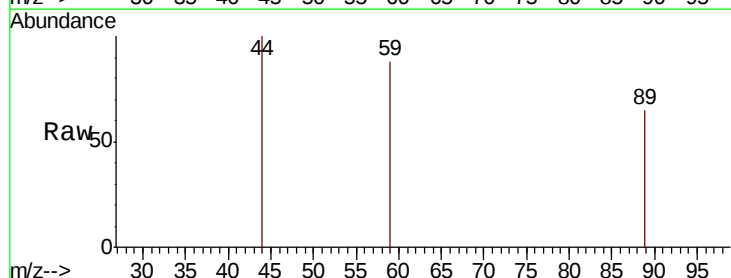
Acq: 10 Aug 2020 17:23

Tgt Ion: 59 Resp: 423

Ion Ratio Lower Upper

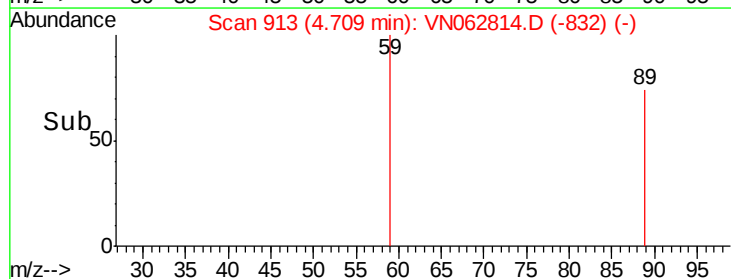
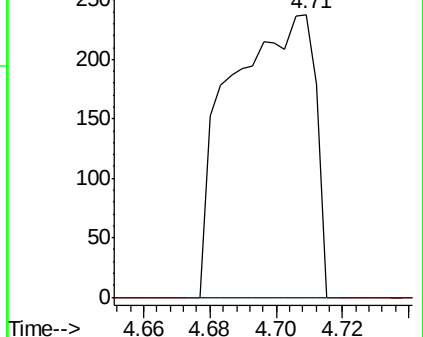
59 100

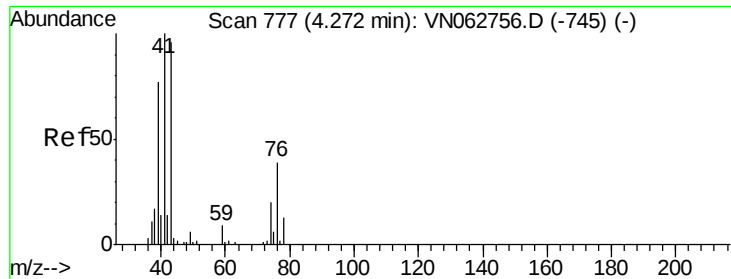
57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN

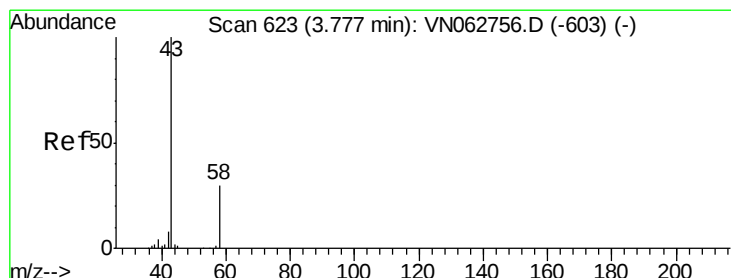
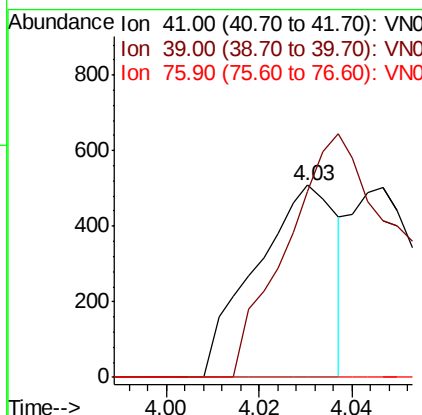
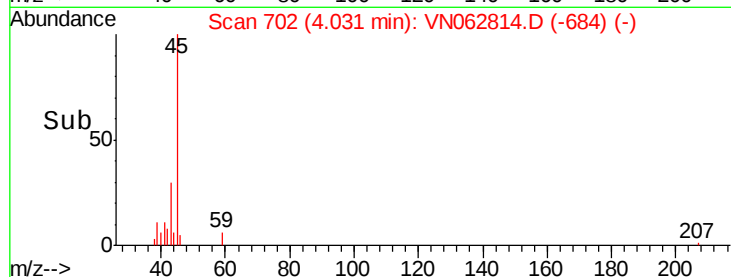
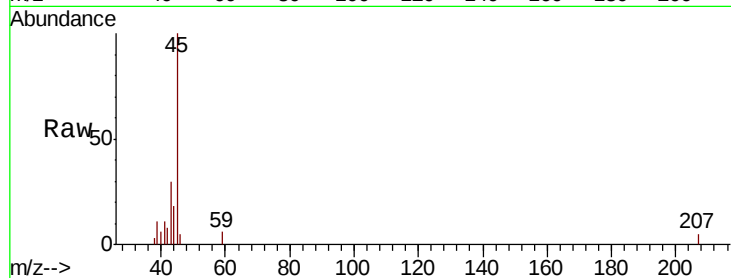




#14
Allvl chloride
Concen: 0.246 ug/l
RT: 4.03 min Scan# 702
Delta R.T. -0.24 min
Lab File: VN062814.D
Acq: 10 Aug 2020 17:23

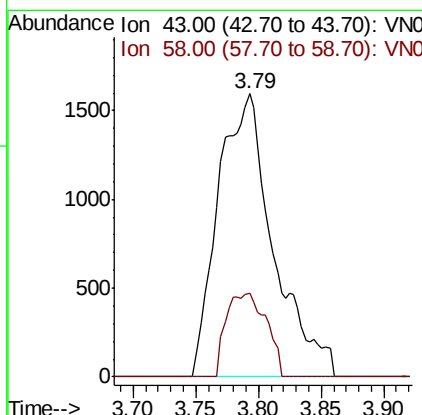
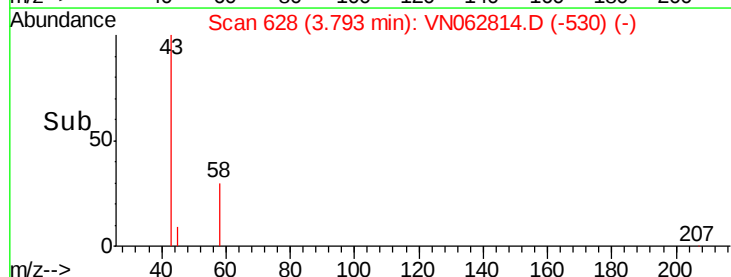
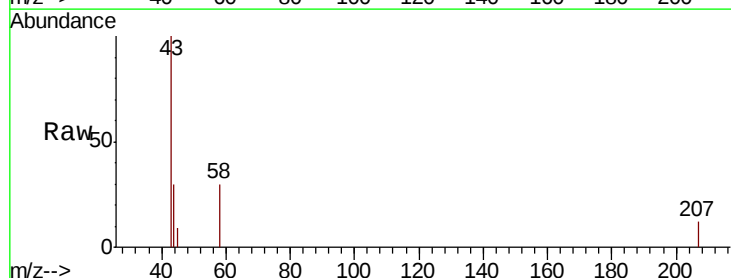
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB179-GW-578-580

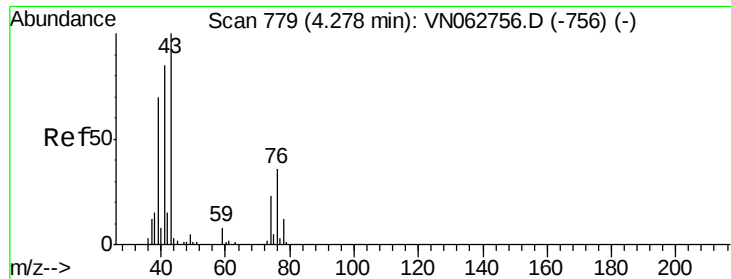
Tot Ion: 41 Resp: 619
Ion Ratio Lower Upper
41 100
39 213.9 55.7 83.5#
76 0.0 27.5 41.3#



#16
Acetone
Concen: 5.662 ug/l
RT: 3.79 min Scan# 628
Delta R.T. 0.02 min
Lab File: VN062814.D
Acq: 10 Aug 2020 17:23

Tgt Ion: 43 Resp: 4861
Ion Ratio Lower Upper
43 100
58 29.7 24.1 36.1

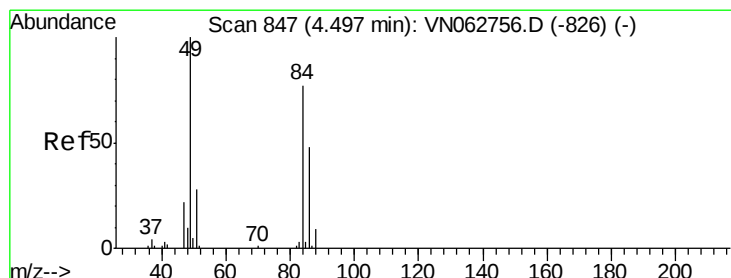
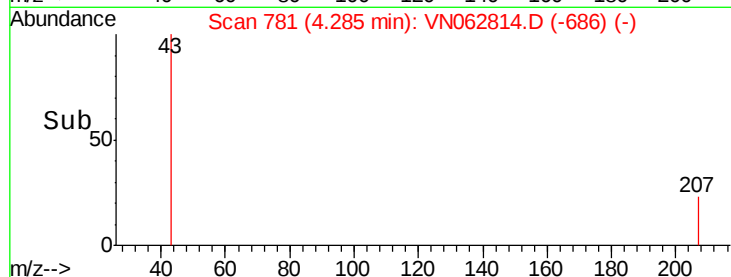
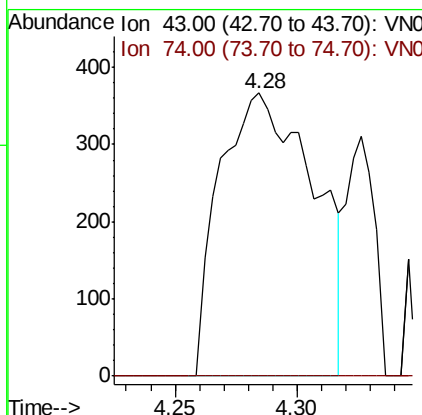
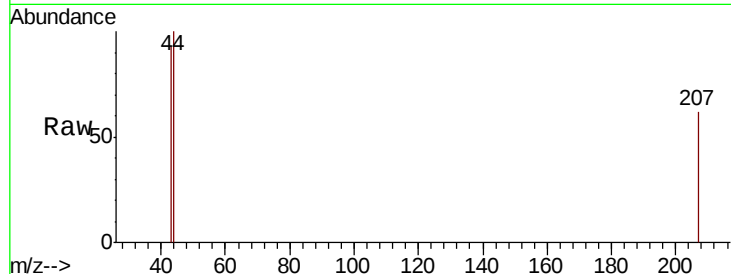




#18
Methyl Acetate
Concen: Below Cal
RT: 4.28 min Scan# 781
Delta R.T. 0.01 min
Lab File: VN062814.D
Acq: 10 Aug 2020 17:23

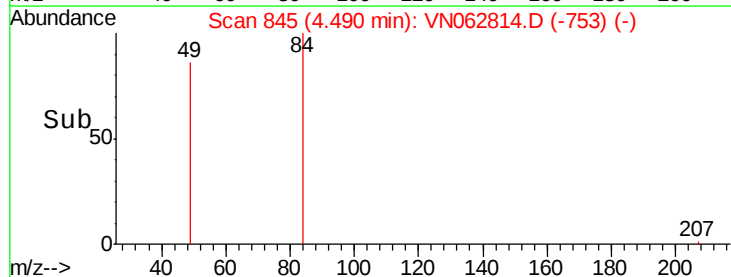
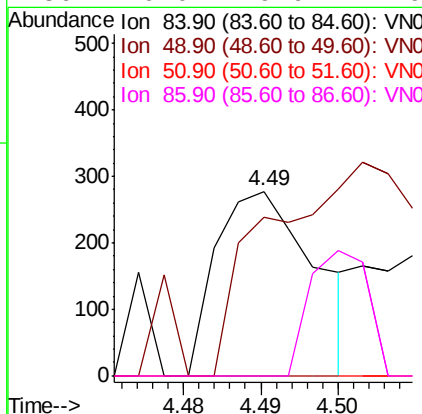
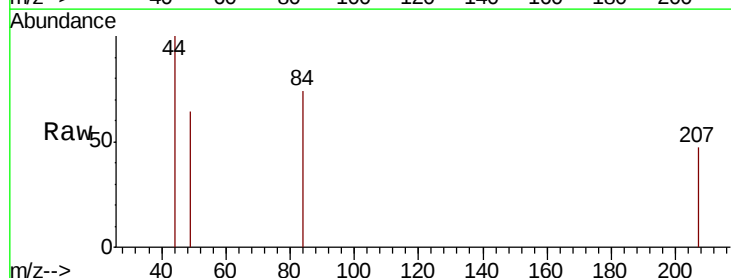
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB179-GW-578-580

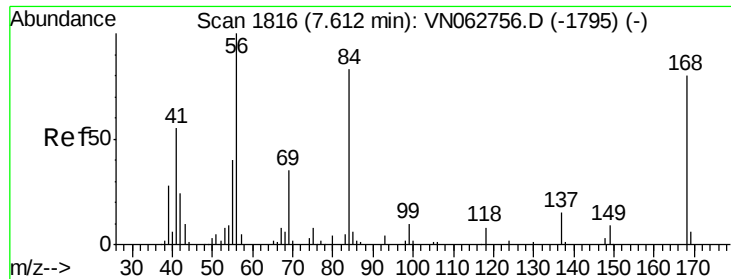
Tot Ion: 43 Resp: 984
Ion Ratio Lower Upper
43 100
74 0.0 18.6 28.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.49 min Scan# 845
Delta R.T. -0.01 min
Lab File: VN062814.D
Acq: 10 Aug 2020 17:23

Tgt Ion: 84 Resp: 245
Ion Ratio Lower Upper
84 100
49 86.0 103.4 155.2#
51 0.0 29.3 43.9#
86 0.0 49.9 74.9#

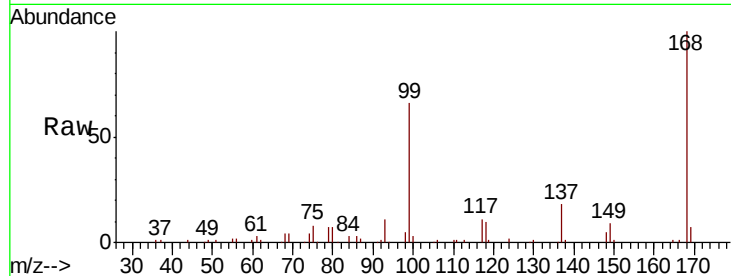




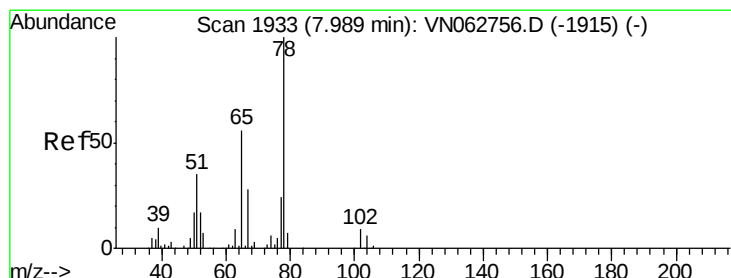
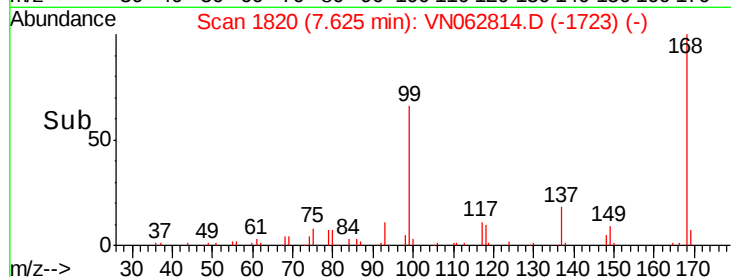
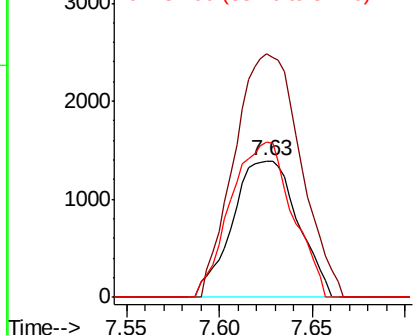
#31
Cyclohexane
Concen: 1.186 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. 0.01 min
Lab File: VN062814.D
Acq: 10 Aug 2020 17:23

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB179-GW-578-580

Tot Ion: 56 Resp: 3416
Ion Ratio Lower Upper
56 100
69 178.6 28.1 42.1#
84 114.4 66.8 100.2#

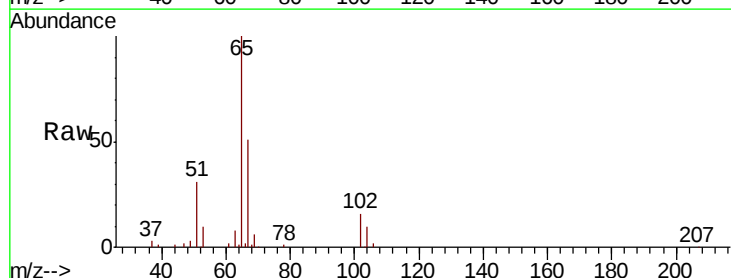


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

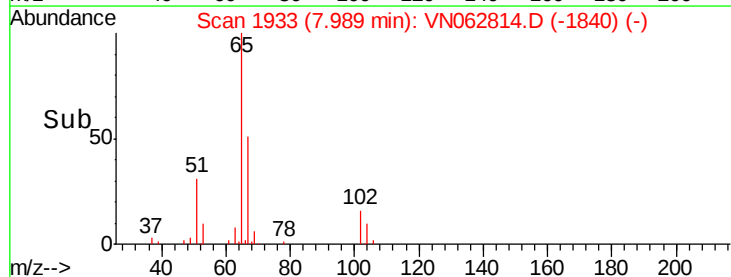
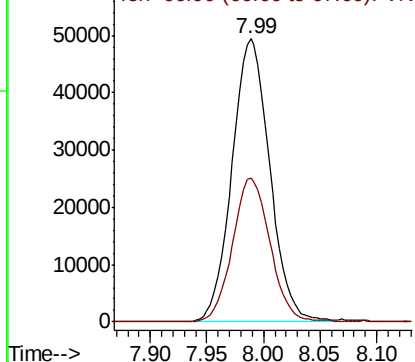


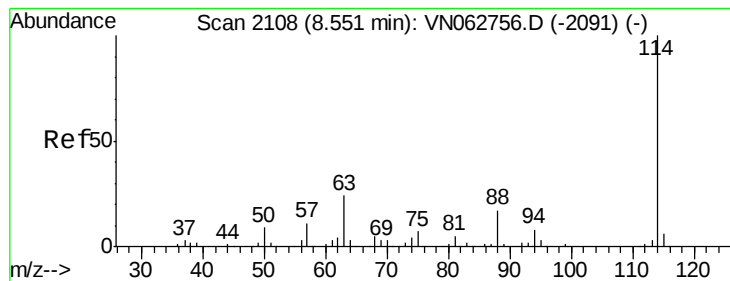
#33
1,2-Dichloroethane-d4
Concen: 48.406 ug/l
RT: 7.99 min Scan# 1933
Delta R.T. -0.00 min
Lab File: VN062814.D
Acq: 10 Aug 2020 17:23

Tgt Ion: 65 Resp: 115016
Ion Ratio Lower Upper
65 100
67 50.5 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# 2108

Delta R.T. -0.00 min

Lab File: VN062814.D

Acq: 10 Aug 2020 17:23

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB179-GW-578-580

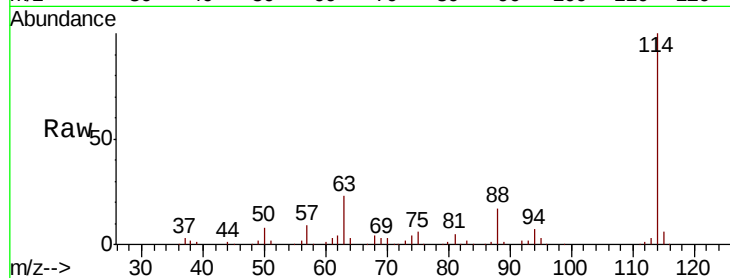
Tot Ion:114 Resp: 249207

Ion Ratio Lower Upper

114 100

63 22.7 0.0 47.6

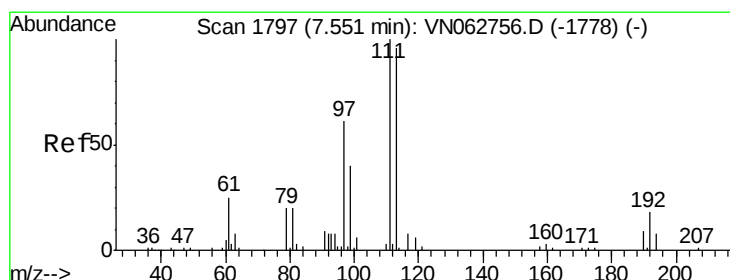
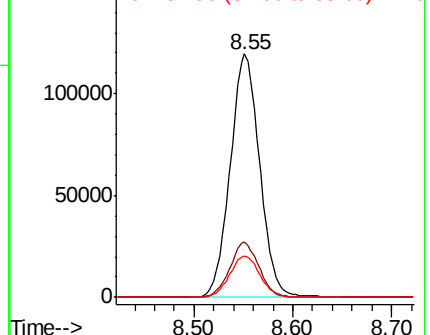
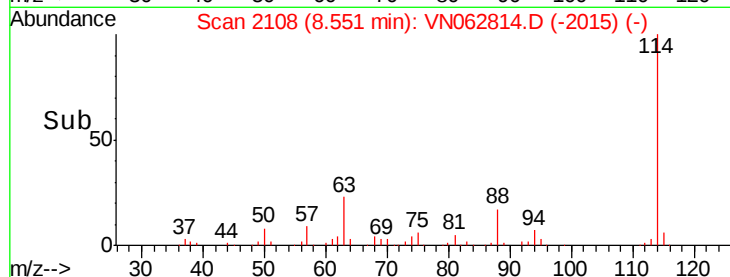
88 17.0 0.0 34.4



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: 49.900 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VN062814.D

Acq: 10 Aug 2020 17:23

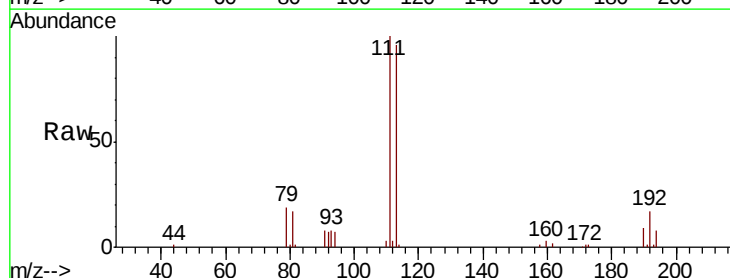
Tgt Ion:113 Resp: 85065

Ion Ratio Lower Upper

113 100

111 101.4 81.8 122.6

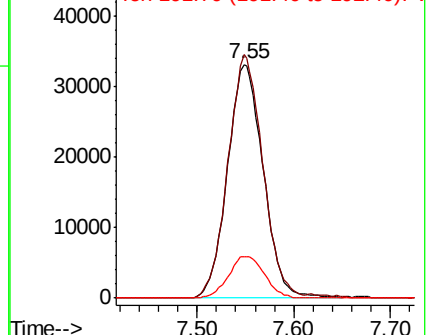
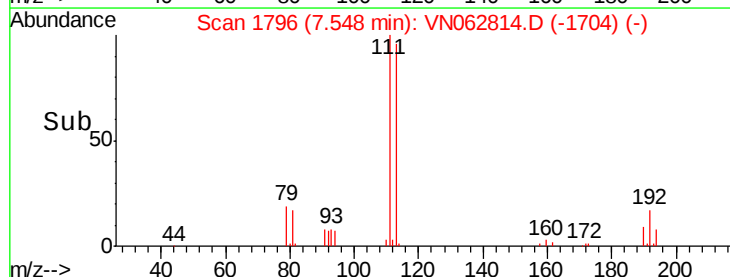
192 17.9 15.0 22.4

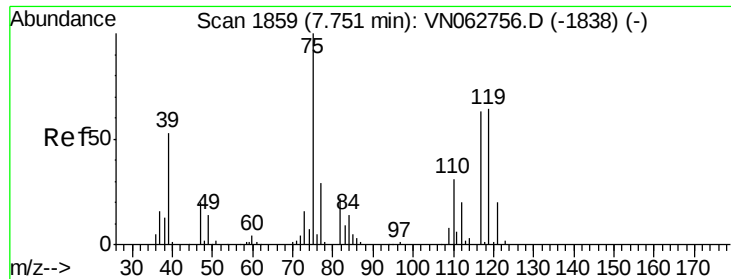


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.876 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.13 min

Lab File: VN062814.D

Acq: 10 Aug 2020 17:23

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB179-GW-578-580

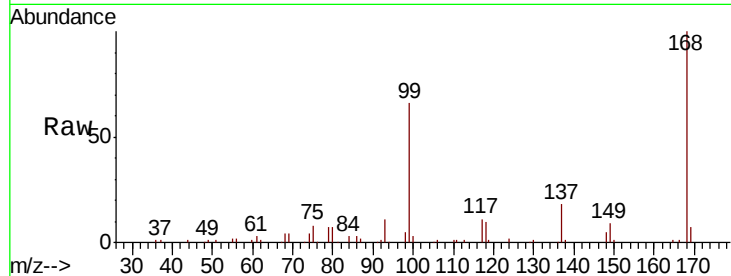
Tot Ion: 75 Resp: 11831

Ion Ratio Lower Upper

75 100

110 7.9 15.6 46.7#

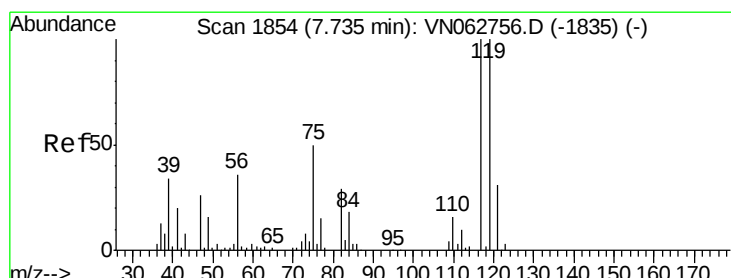
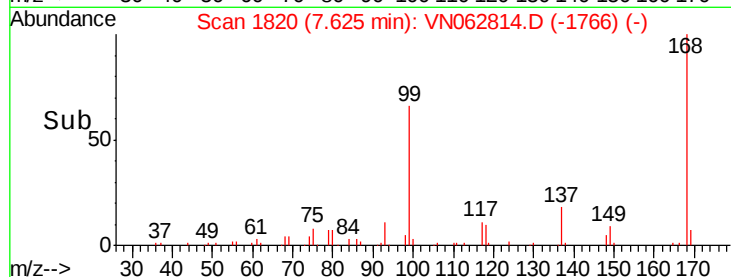
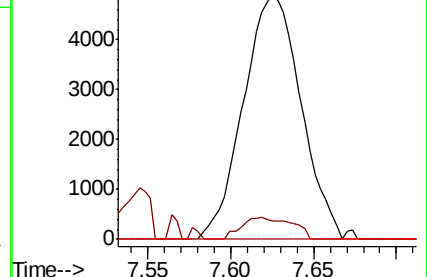
77 0.0 24.1 36.1#



Abundance Ion 74.90 (74.60 to 75.60): VN062756.D (-1838) (-)

Ion 109.90 (109.60 to 110.60): VN062756.D (-1838) (-)

Ion 76.90 (76.60 to 77.60): VN062756.D (-1838) (-)



#38

Carbon Tetrachloride

Concen: 5.536 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.11 min

Lab File: VN062814.D

Acq: 10 Aug 2020 17:23

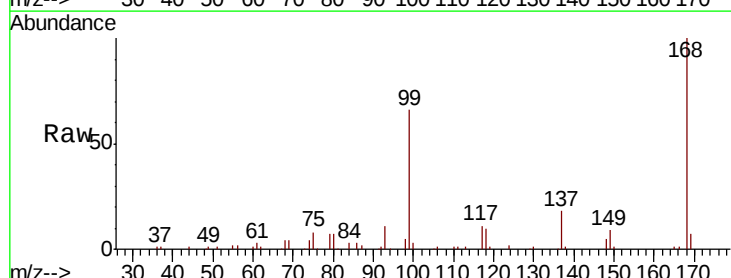
Tgt Ion: 117 Resp: 15888

Ion Ratio Lower Upper

117 100

119 6.1 79.4 119.2#

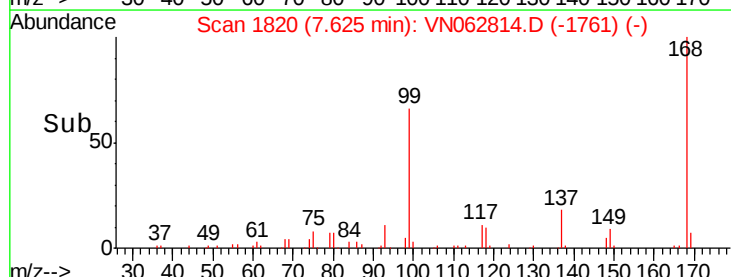
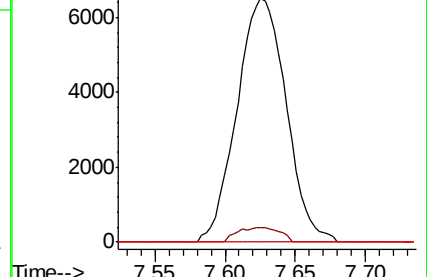
121 0.0 24.9 37.3#

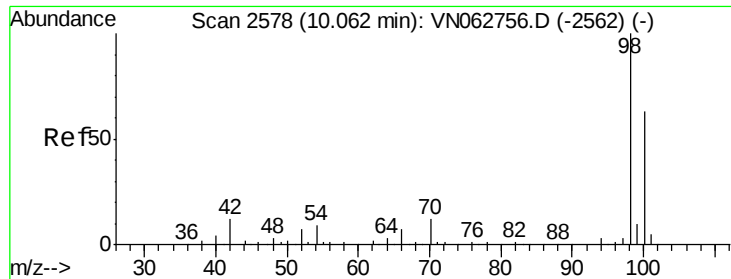


Abundance Ion 116.80 (116.50 to 117.50): VN062756.D (-1835) (-)

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

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

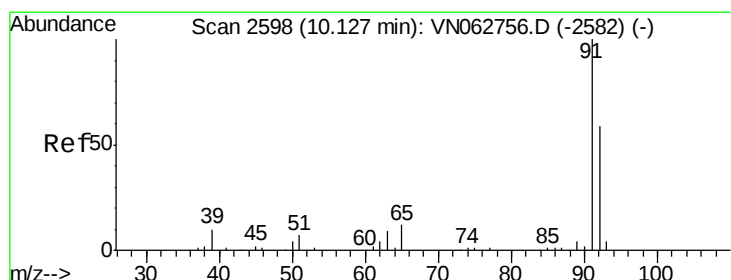
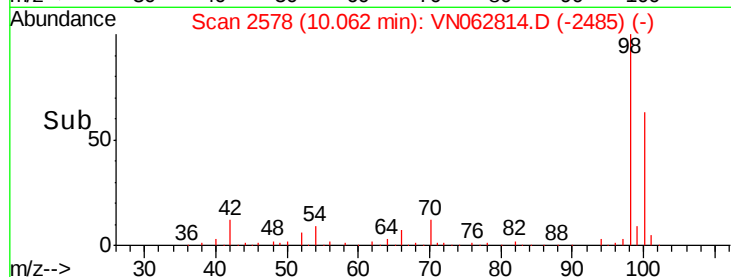
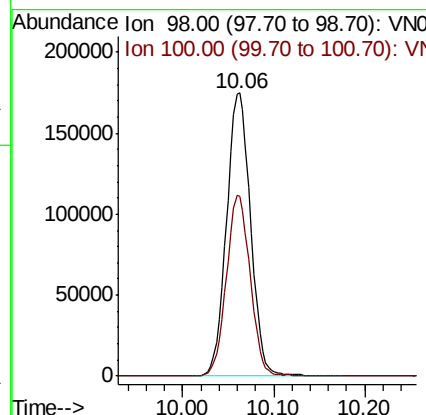
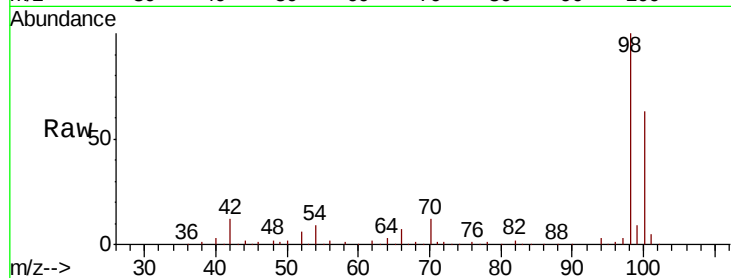




#50
Toluene-d8
Concen: 48.222 ug/l
RT: 10.06 min Scan# 2578
Delta R.T. -0.00 min
Lab File: VN062814.D
Acq: 10 Aug 2020 17:23

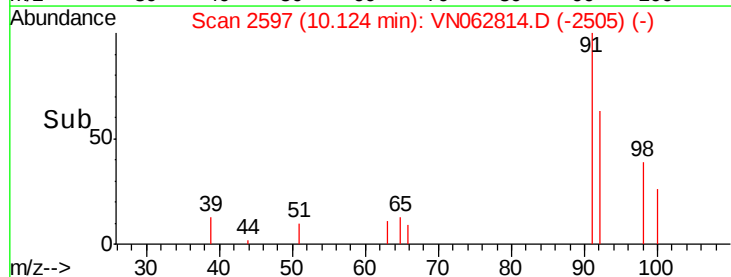
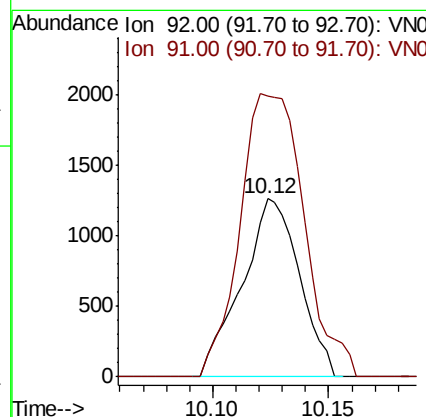
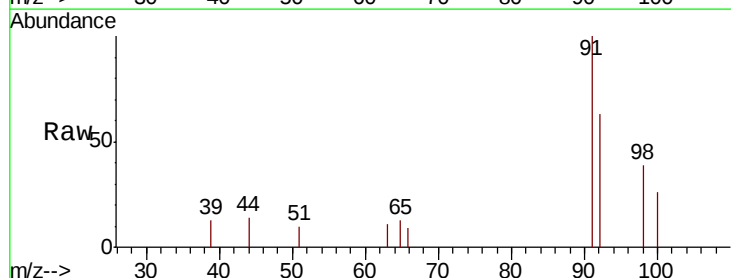
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB179-GW-578-580

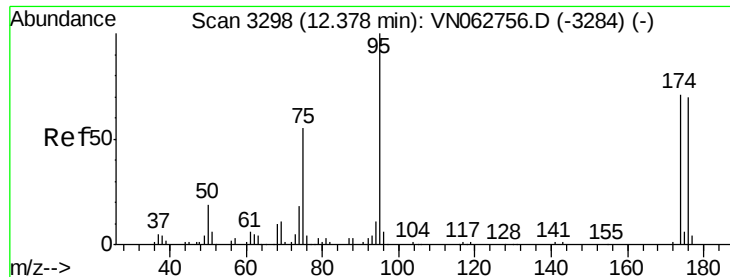
Tot Ion: 98 Resp: 320933
Ion Ratio Lower Upper
98 100
100 63.3 50.9 76.3



#52
Toluene
Concen: 0.486 ug/l
RT: 10.12 min Scan# 2597
Delta R.T. -0.00 min
Lab File: VN062814.D
Acq: 10 Aug 2020 17:23

Tgt Ion: 92 Resp: 2172
Ion Ratio Lower Upper
92 100
91 176.7 138.9 208.3





#62

4-Bromofluorobenzene

Concen: 49.047 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN062814.D

Acq: 10 Aug 2020 17:23

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB179-GW-578-580

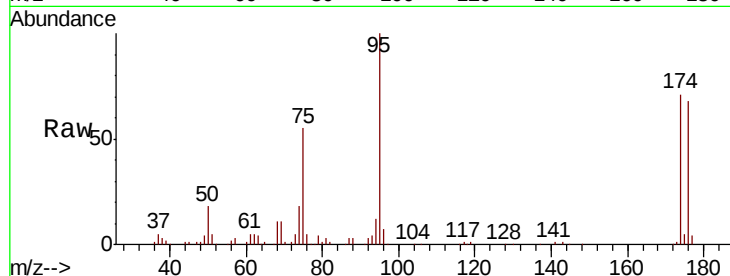
Tot Ion: 95 Resp: 123356

Ion Ratio Lower Upper

95 100

174 72.4 0.0 144.8

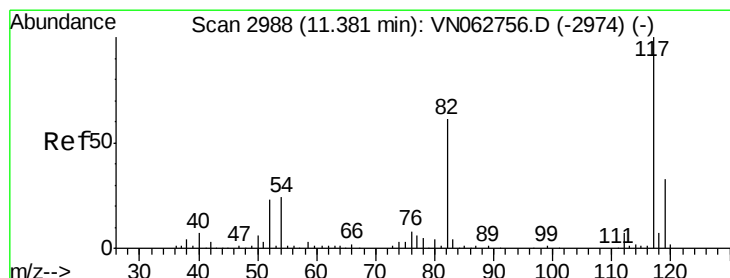
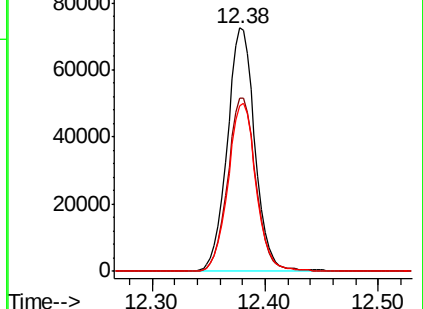
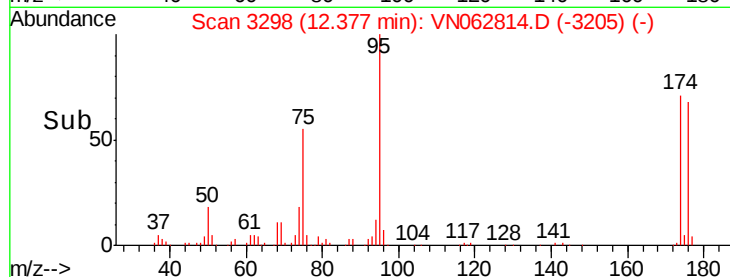
176 69.9 0.0 142.2



Abundance Ion 94.90 (94.60 to 95.60): VN062814.D (-3205) (-)

Ion 173.80 (173.50 to 174.50): VN062814.D (-3205) (-)

Ion 175.80 (175.50 to 176.50): VN062814.D (-3205) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. -0.00 min

Lab File: VN062814.D

Acq: 10 Aug 2020 17:23

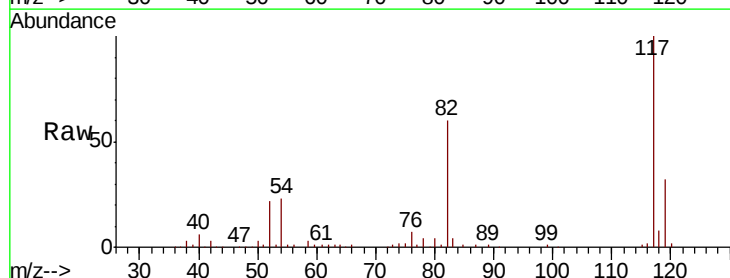
Tgt Ion: 117 Resp: 250376

Ion Ratio Lower Upper

117 100

82 59.5 49.0 73.4

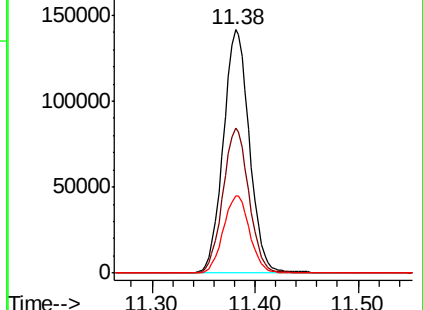
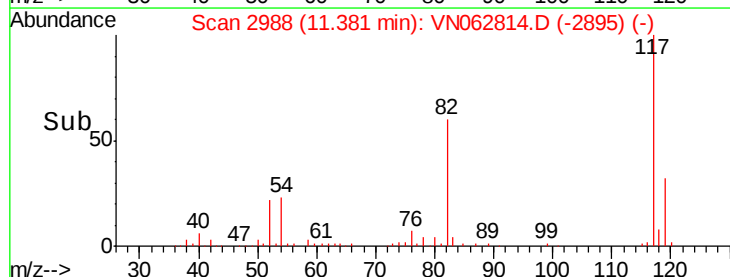
119 31.6 26.2 39.2

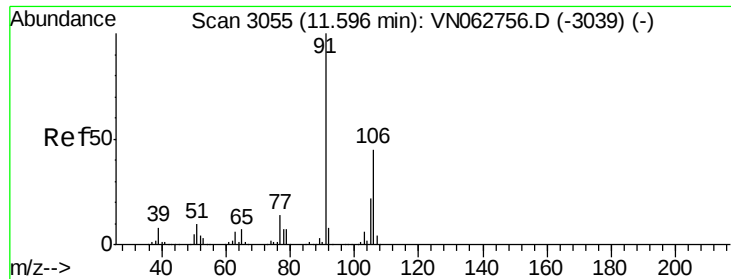


Abundance Ion 116.90 (116.60 to 117.60): VN062814.D (-2895) (-)

Ion 82.00 (81.70 to 82.70): VN062814.D (-2895) (-)

Ion 118.90 (118.60 to 119.60): VN062814.D (-2895) (-)





#68

m/p-Xvlenes

Concen: 0.240 ug/l

RT: 11.60 min Scan# 3055

Delta R.T. -0.00 min

Lab File: VN062814.D

Acq: 10 Aug 2020 17:23

Instrument :

MSVOA_N

ClientSampleId :

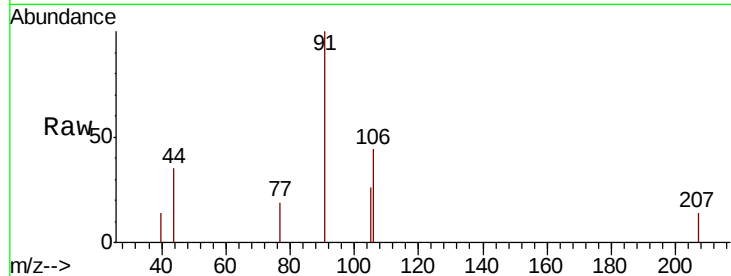
BP-VPB179-GW-578-580

Tot Ion:106 Resp: 816

Ion Ratio Lower Upper

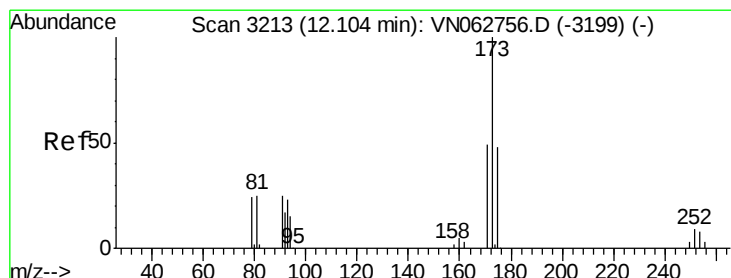
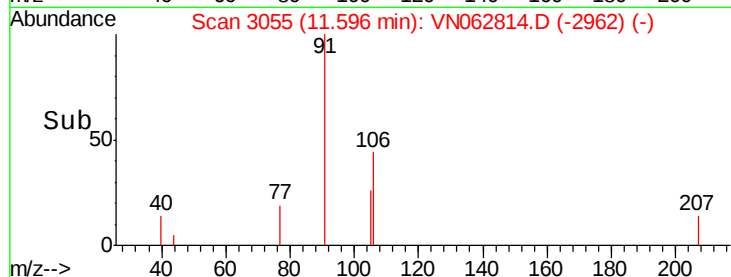
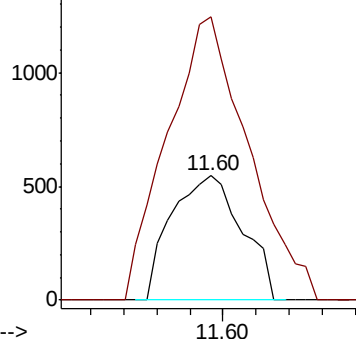
106 100

91 259.3 175.9 263.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#71

Bromoform

Concen: 0.463 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.27 min

Lab File: VN062814.D

Acq: 10 Aug 2020 17:23

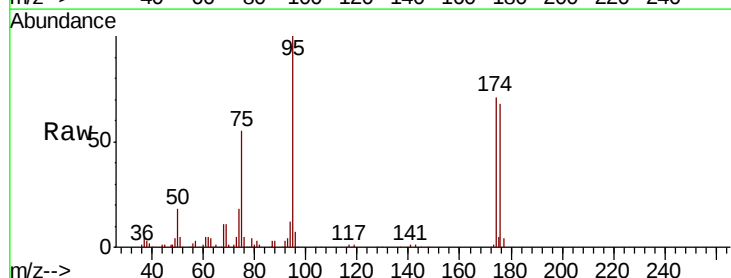
Tgt Ion:173 Resp: 797

Ion Ratio Lower Upper

173 100

175 764.4 24.0 72.0#

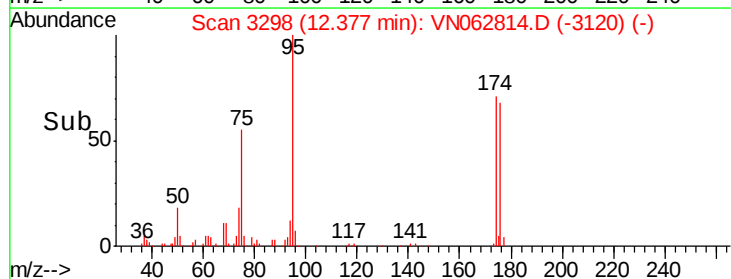
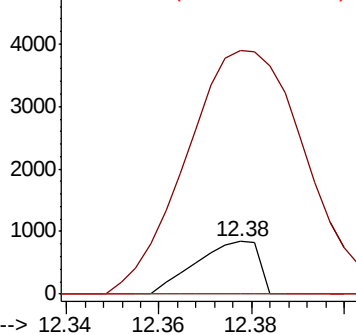
254 0.0 0.0 0.0

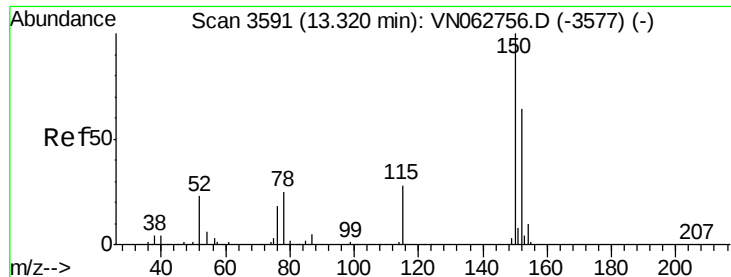


Abundance Ion 172.70 (172.40 to 173.40): V

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# 3591

Delta R.T. -0.00 min

Lab File: VN062814.D

Acq: 10 Aug 2020 17:23

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB179-GW-578-580

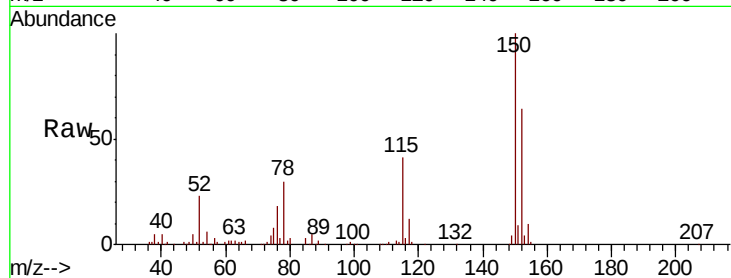
Tot Ion:152 Resp: 97190

Ion Ratio Lower Upper

152 100

115 65.9 31.6 94.8

150 159.7 0.0 349.2

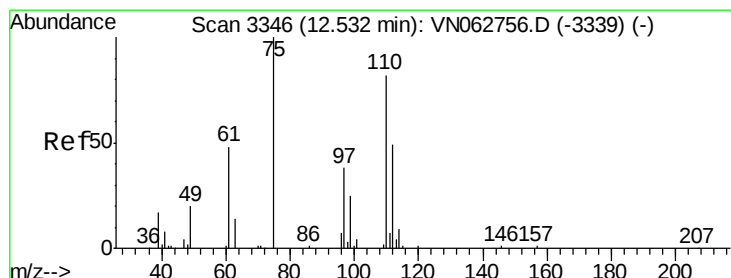
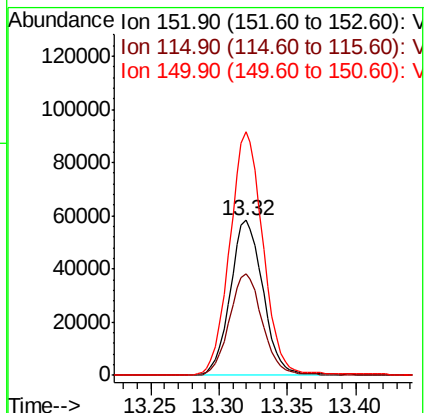
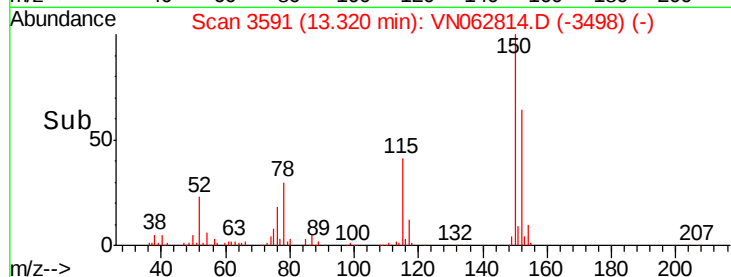


Abundance

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: 25.083 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062814.D

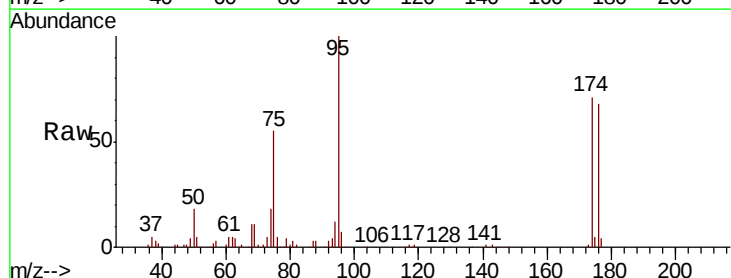
Acq: 10 Aug 2020 17:23

Tgt Ion: 75 Resp: 65744

Ion Ratio Lower Upper

75 100

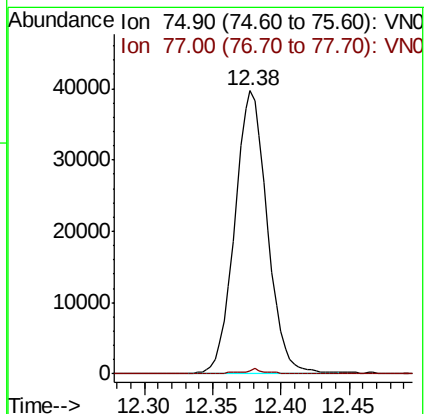
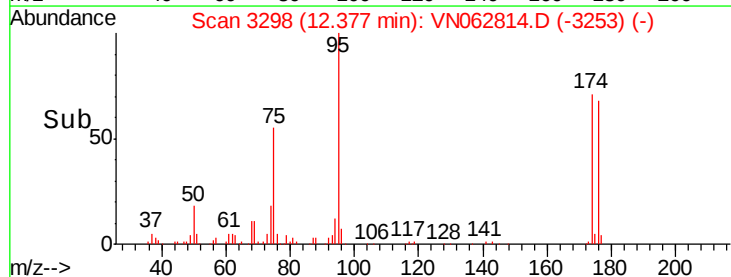
77 1.1 0.0 0.0#

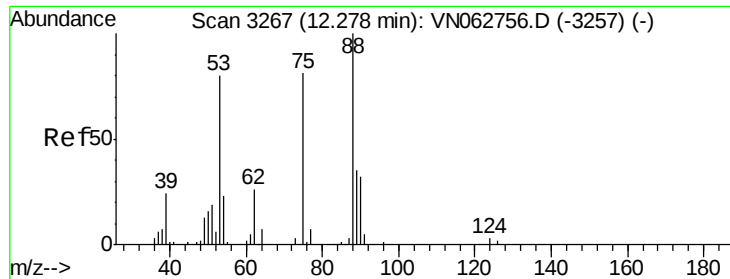


Abundance

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: 76.570 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062814.D

Acq: 10 Aug 2020 17:23

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB179-GW-578-580

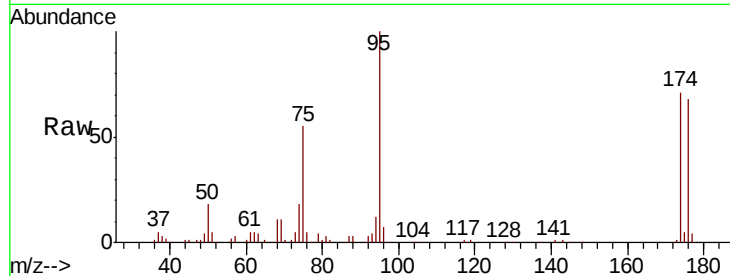
Tot Ion: 75 Resp: 65744

Ion Ratio Lower Upper

75 100

53 0.0 79.1 118.7#

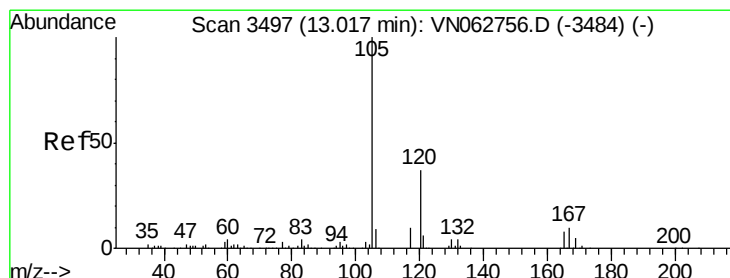
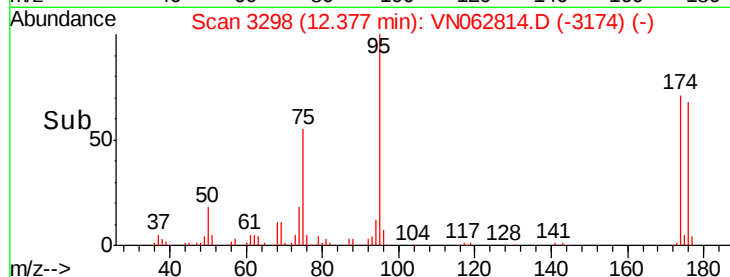
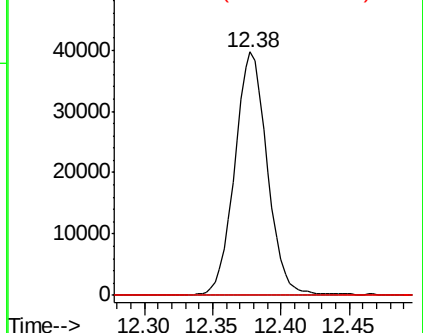
89 0.1 36.2 54.2#



Abundance Ion 74.90 (74.60 to 75.60): VN062814.D (-3174) (-)

Ion 53.00 (52.70 to 53.70): VN062814.D (-3174) (-)

Ion 88.90 (88.60 to 89.60): VN062814.D (-3174) (-)



#84

1,2,4-Trimethylbenzene

Concen: 0.211 ug/l

RT: 13.02 min Scan# 3498

Delta R.T. 0.00 min

Lab File: VN062814.D

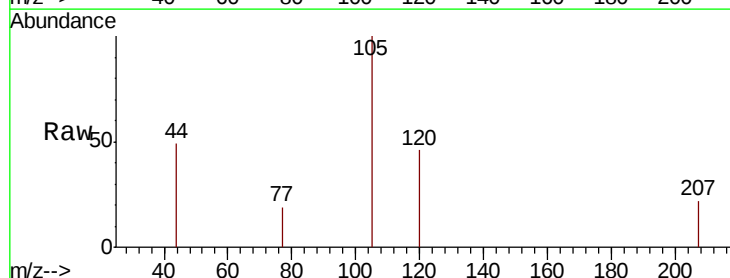
Acq: 10 Aug 2020 17:23

Tgt Ion:105 Resp: 1280

Ion Ratio Lower Upper

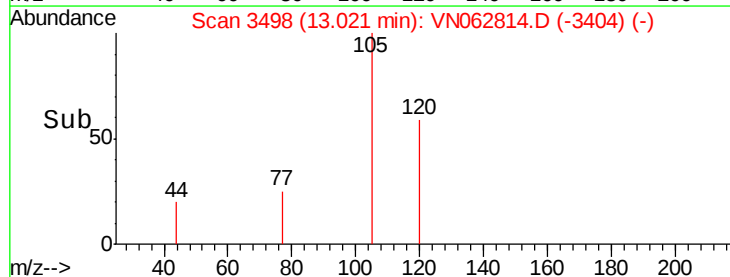
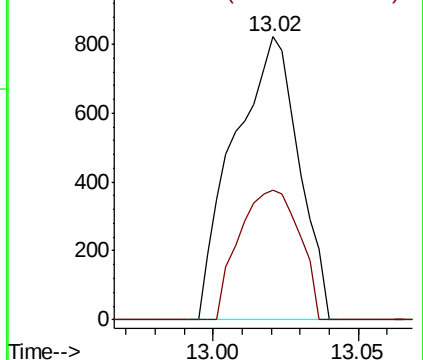
105 100

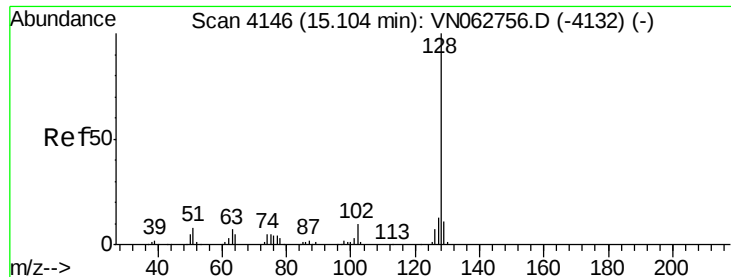
120 42.7 21.4 64.2



Abundance Ion 105.00 (104.70 to 105.70): VN062814.D (-3404) (-)

Ion 120.00 (119.70 to 120.70): VN062814.D (-3404) (-)





#95

Naphthalene

Concen: 3.751 ug/l

RT: 15.12 min Scan# 4151

Delta R.T. 0.02 min

Lab File: VN062814.D

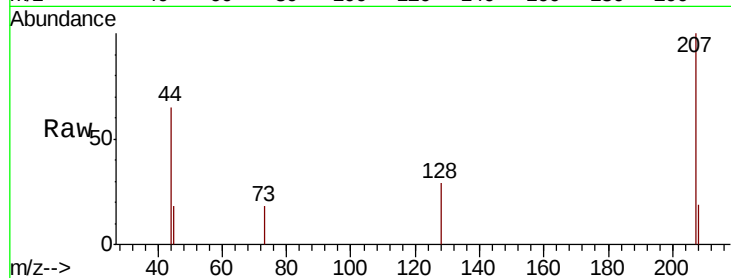
Acq: 10 Aug 2020 17:23

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB179-GW-578-580



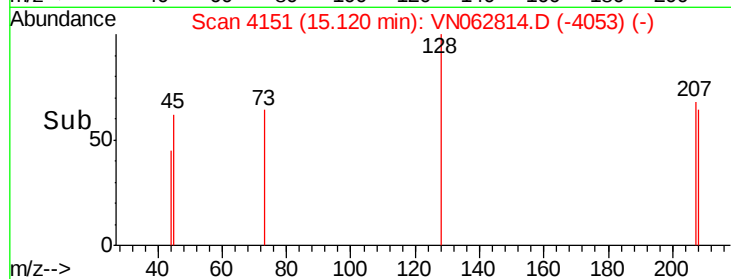
Tot Ion:128 Resp: 208

Ion Ratio Lower Upper

128 100

127 0.0 10.8 16.2#

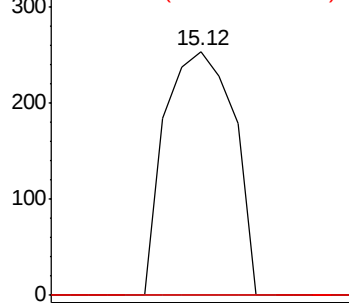
129 0.0 8.8 13.2#



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



Time-->