

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051923\
 Data File : VN077769.D
 Acq On : 19 May 2023 17:11
 Operator : JC\MD
 Sample : 02862-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB-RW11-GW-198-200

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/22/2023
 Supervised By : Mahesh Dadoda 05/22/2023

Quant Time: May 19 23:56:19 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 04:07:42 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.236	168	362554	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	656825	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	574653	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	198744	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	246213	45.387	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	90.780%		
35) Dibromofluoromethane	8.177	113	207331	48.407	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.820%		
50) Toluene-d8	10.577	98	808532	49.044	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.080%		
62) 4-Bromofluorobenzene	12.853	95	259641	44.593	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	89.180%		
Target Compounds						
16) Acetone	4.465	43	5773m	3.383	ug/l	
25) 2-Butanone	7.488	43	6078	2.277	ug/l	97
30) Chloroform	7.971	83	2856	0.323	ug/l #	71
44) Trichloroethene	9.371	130	1608	0.344	ug/l	85

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

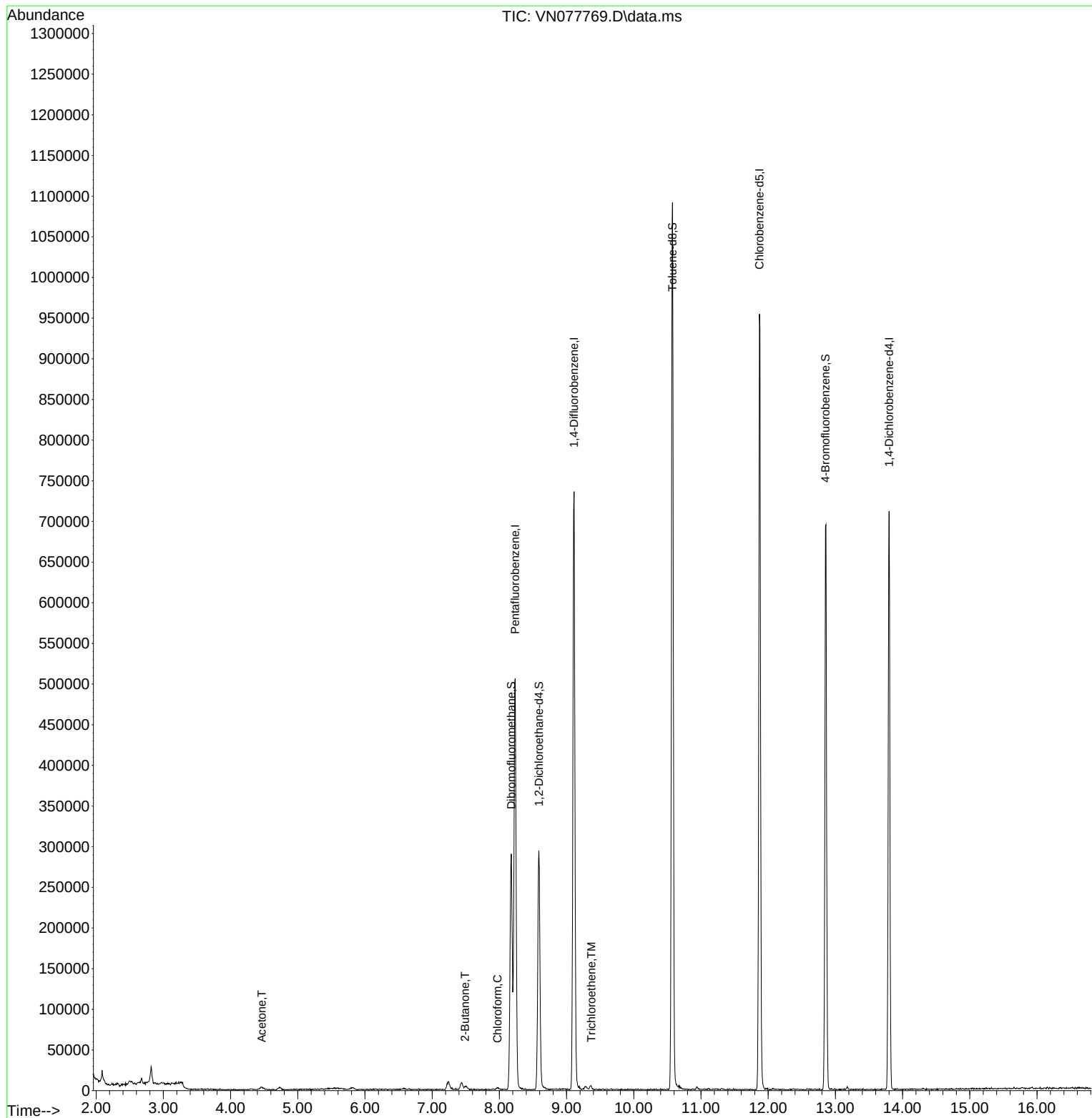
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051923\
Data File : VN077769.D
Acq On : 19 May 2023 17:11
Operator : JC\MD
Sample : 02862-05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 19 Sample Multiplier: 1

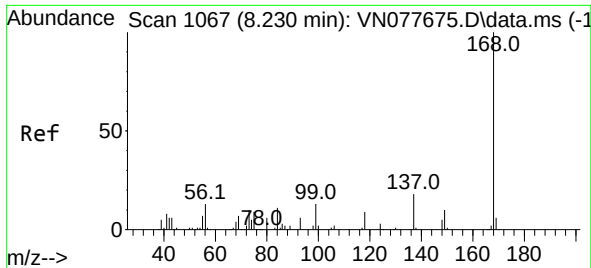
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW11-GW-198-200

Quant Time: May 19 23:56:19 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
Quant Title : SW846 8260
QLast Update : Tue May 16 04:07:42 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

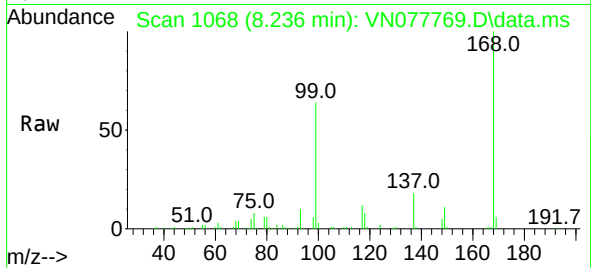
Reviewed By :John Carlone 05/22/2023
Supervised By :Mahesh Dadoda 05/22/2023





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 1067
Delta R.T. 0.005 min
Lab File: VN077769.D
Acq: 19 May 2023 17:11

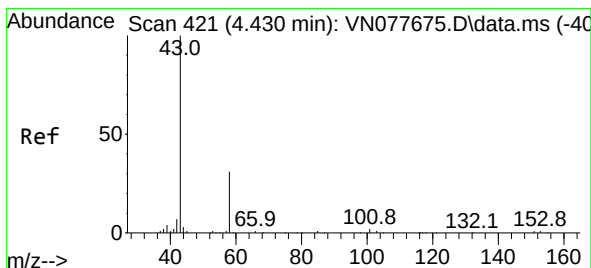
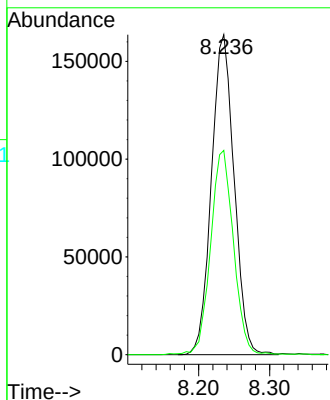
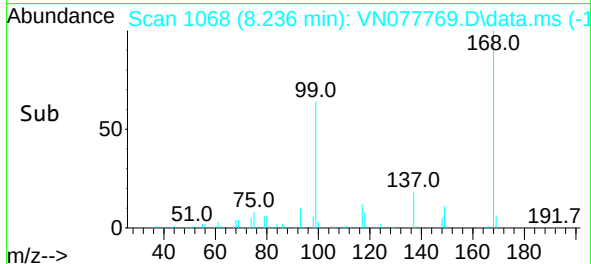
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW11-GW-198-200



Tgt Ion:168 Resp: 362554
Ion Ratio Lower Upper
168 100
99 63.6 53.0 79.6

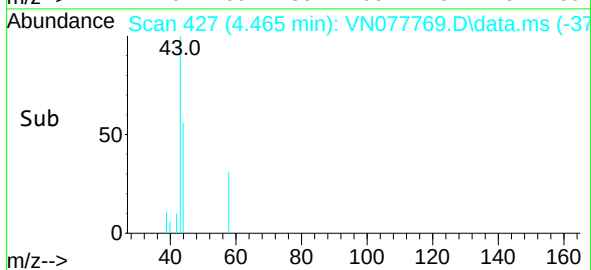
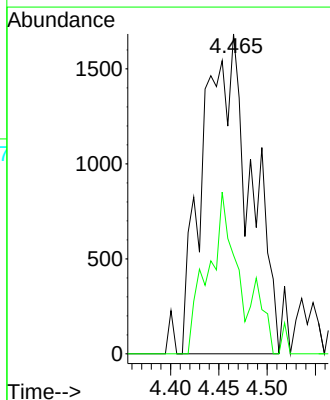
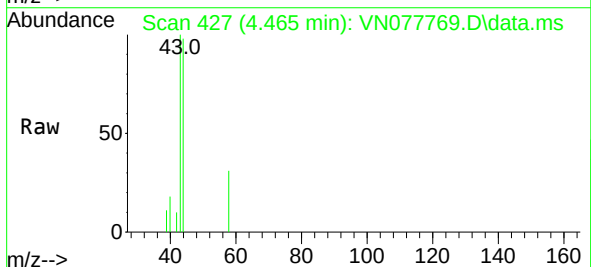
Manual Integrations
APPROVED

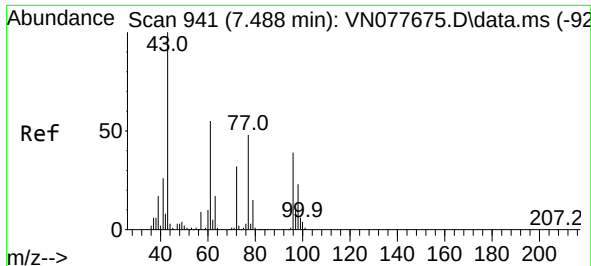
Reviewed By :John Carlone 05/22/2023
Supervised By :Mahesh Dadoda 05/22/2023



#16
Acetone
Concen: 3.383 ug/l m
RT: 4.465 min Scan# 427
Delta R.T. 0.035 min
Lab File: VN077769.D
Acq: 19 May 2023 17:11

Tgt Ion: 43 Resp: 5773
Ion Ratio Lower Upper
43 100
58 30.8 28.0 42.0





#25

2-Butanone

Concen: 2.277 ug/l

RT: 7.488 min Scan# 941

Delta R.T. 0.000 min

Lab File: VN077769.D

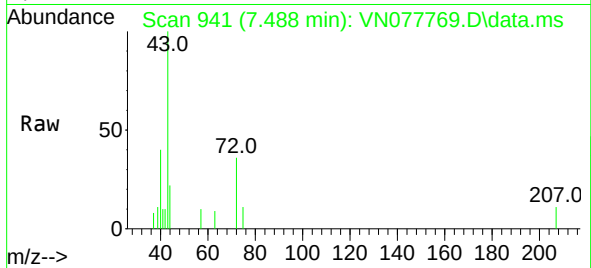
Acq: 19 May 2023 17:11

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB-RW11-GW-198-200



Tgt Ion: 43 Resp: 6078

Ion Ratio Lower Upper

43 100

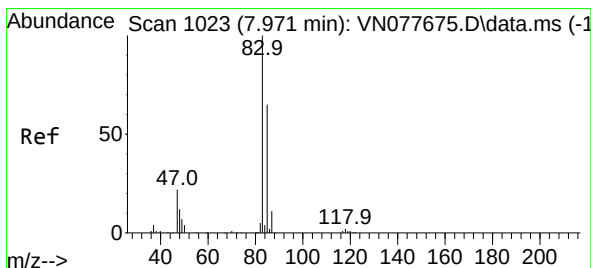
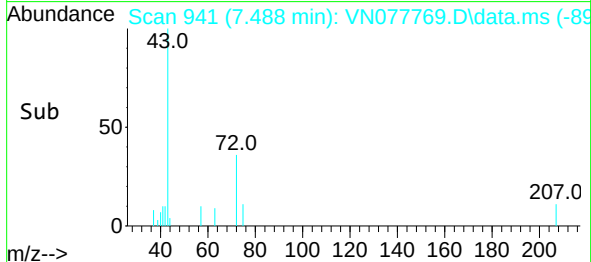
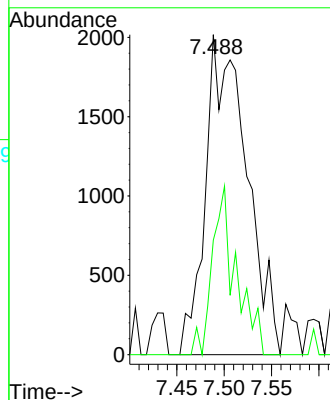
72 35.8 30.2 45.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/22/2023

Supervised By :Mahesh Dadoda 05/22/2023



#30

Chloroform

Concen: 0.323 ug/l

RT: 7.971 min Scan# 1023

Delta R.T. -0.000 min

Lab File: VN077769.D

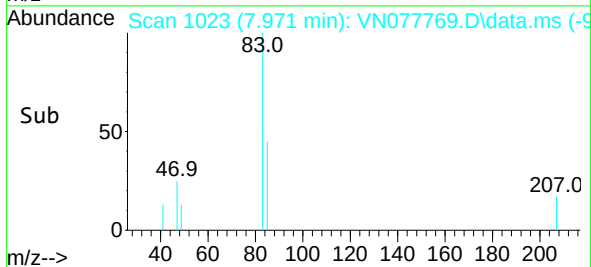
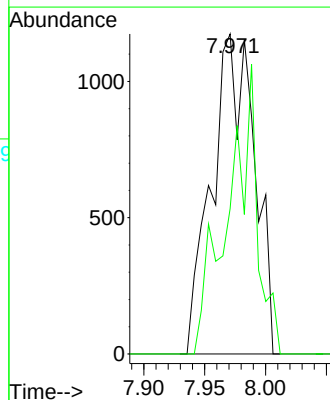
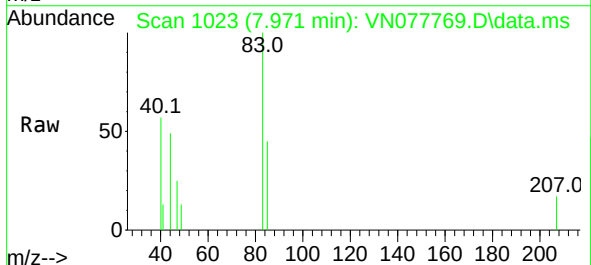
Acq: 19 May 2023 17:11

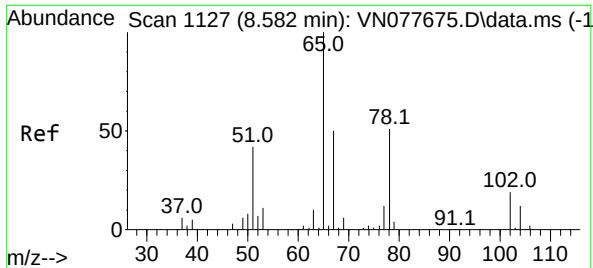
Tgt Ion: 83 Resp: 2856

Ion Ratio Lower Upper

83 100

85 45.4 55.4 83.0#





#33

1,2-Dichloroethane-d4

Concen: 45.387 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. 0.006 min

Lab File: VN077769.D

Acq: 19 May 2023 17:11

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB-RW11-GW-198-200

Tgt Ion: 65 Resp: 24621

Ion Ratio Lower Upper

65 100

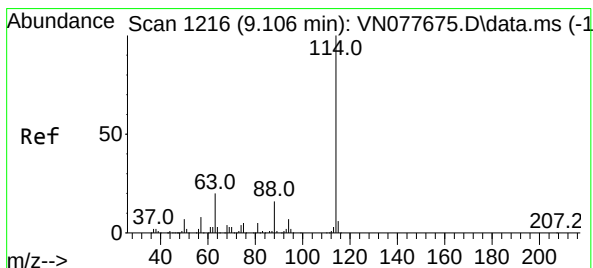
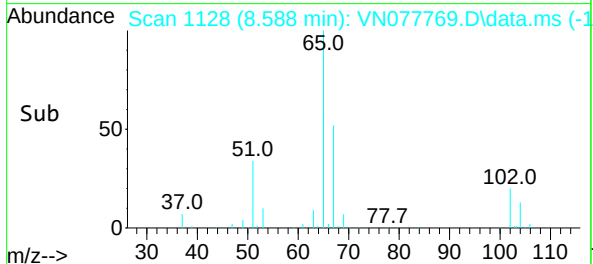
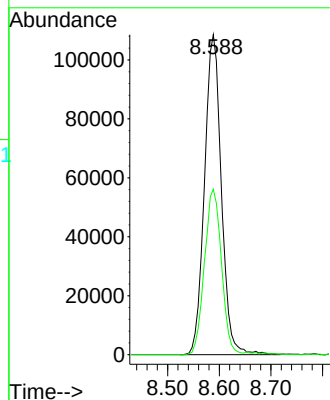
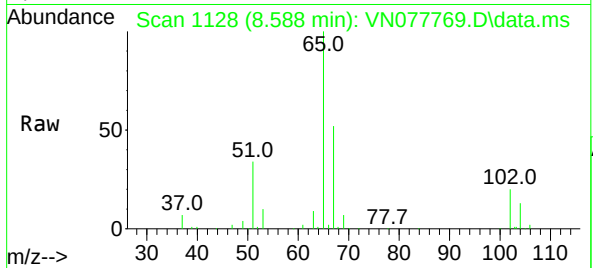
67 51.9 0.0 106.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/22/2023

Supervised By :Mahesh Dadoda 05/22/2023



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.112 min Scan# 1217

Delta R.T. 0.006 min

Lab File: VN077769.D

Acq: 19 May 2023 17:11

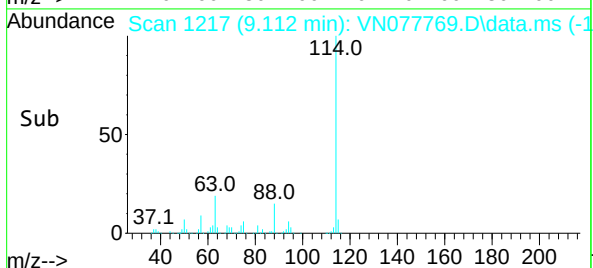
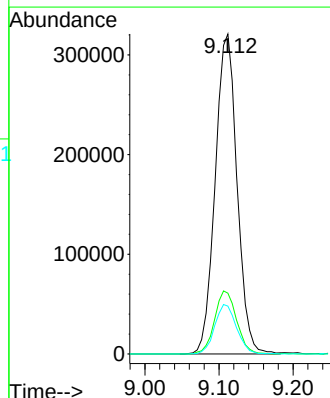
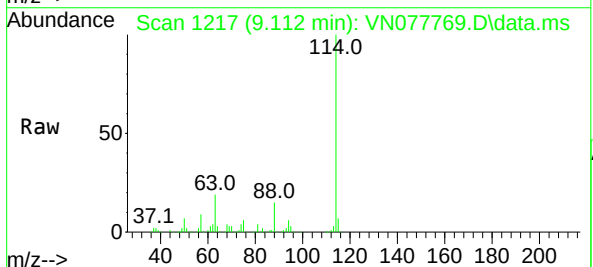
Tgt Ion:114 Resp: 656825

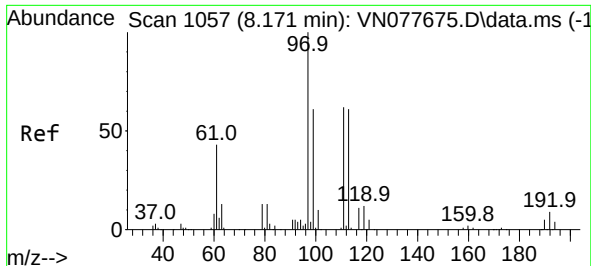
Ion Ratio Lower Upper

114 100

63 19.0 0.0 36.4

88 14.9 0.0 30.6





#35

Dibromofluoromethane

Concen: 48.407 ug/l

RT: 8.177 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN077769.D

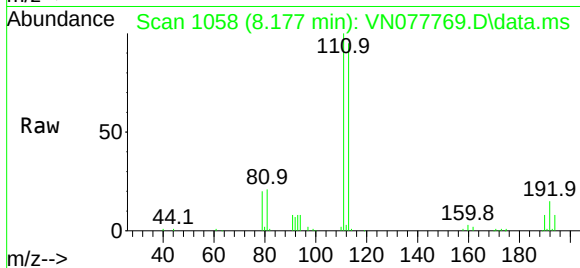
Acq: 19 May 2023 17:11

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB-RW11-GW-198-200



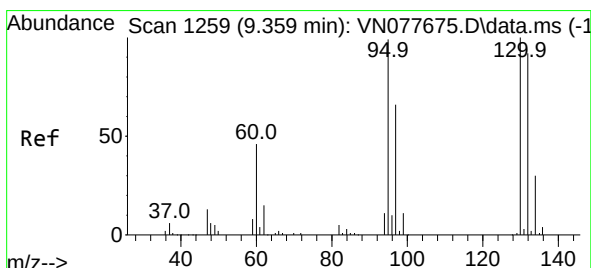
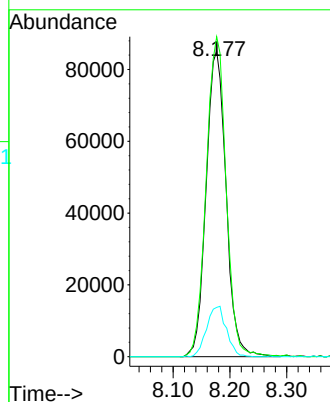
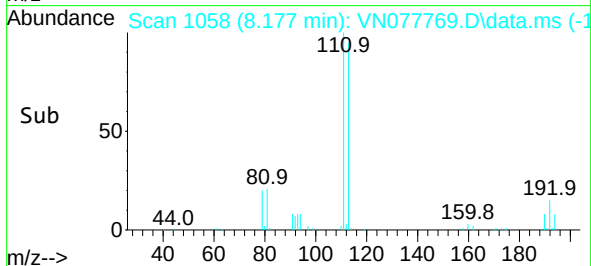
Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.7	82.6	123.8
192	16.4	12.7	19.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/22/2023

Supervised By :Mahesh Dadoda 05/22/2023



#44

Trichloroethene

Concen: 0.344 ug/l

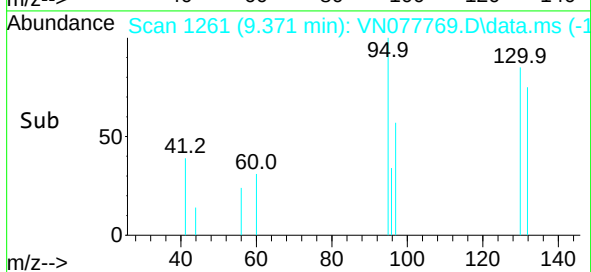
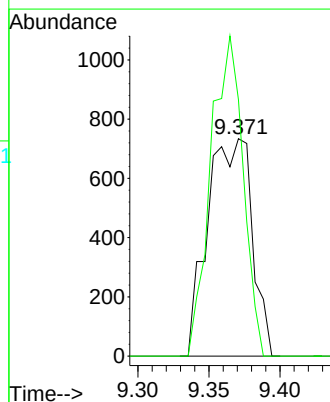
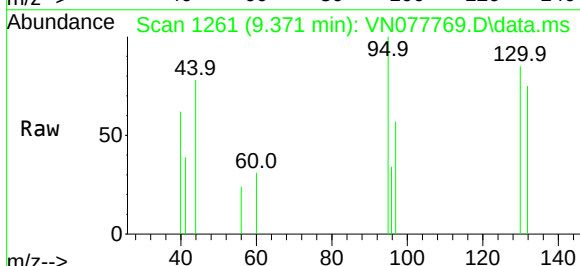
RT: 9.371 min Scan# 1261

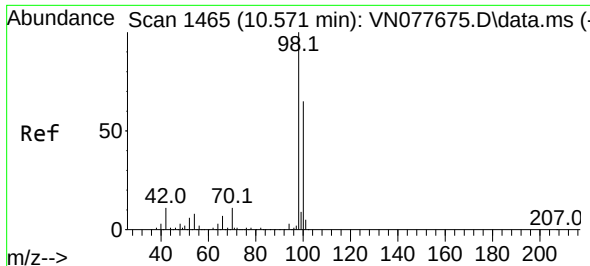
Delta R.T. 0.012 min

Lab File: VN077769.D

Acq: 19 May 2023 17:11

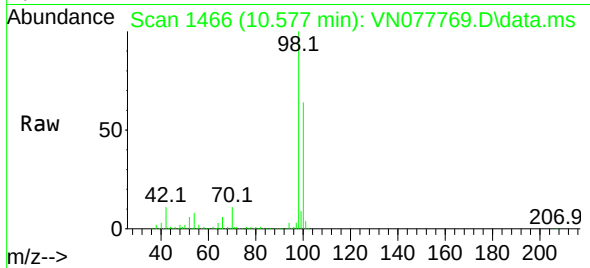
Tgt Ion	Ratio	Lower	Upper
130	100		
95	118.0	0.0	204.6





#50
Toluene-d8
Concen: 49.044 ug/l
RT: 10.577 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN077769.D
Acq: 19 May 2023 17:11

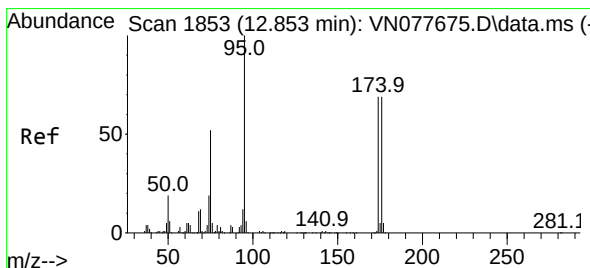
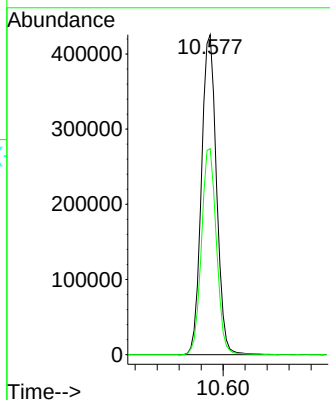
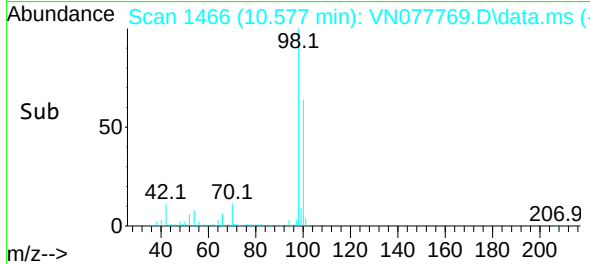
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW11-GW-198-200



Tgt Ion: 98 Resp: 808532
Ion Ratio Lower Upper
98 100
100 64.1 52.0 78.0

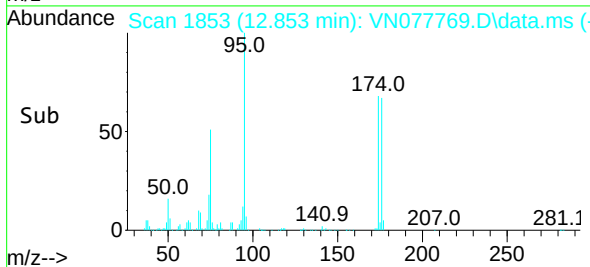
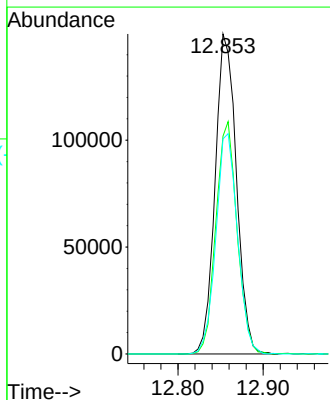
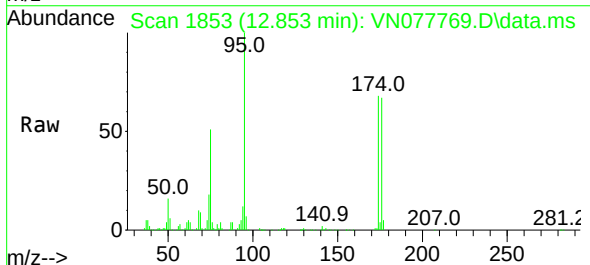
Manual Integrations
APPROVED

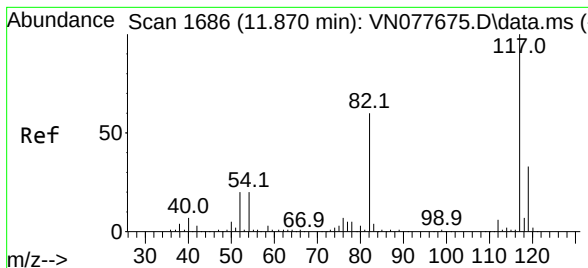
Reviewed By :John Carlone 05/22/2023
Supervised By :Mahesh Dadoda 05/22/2023



#62
4-Bromofluorobenzene
Concen: 44.593 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN077769.D
Acq: 19 May 2023 17:11

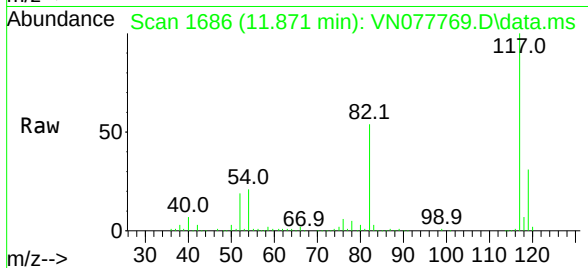
Tgt Ion: 95 Resp: 259641
Ion Ratio Lower Upper
95 100
174 72.2 0.0 143.8
176 70.0 0.0 135.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1186
Delta R.T. 0.001 min
Lab File: VN077769.D
Acq: 19 May 2023 17:11

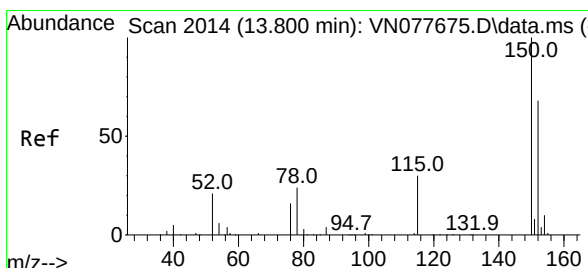
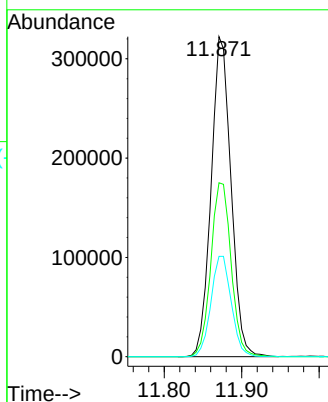
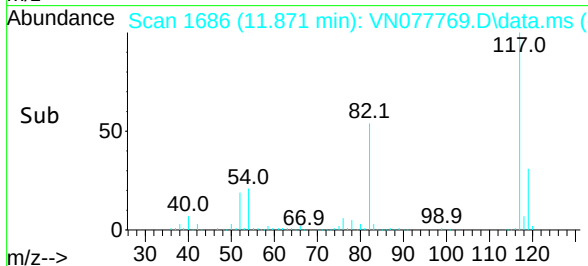
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW11-GW-198-200



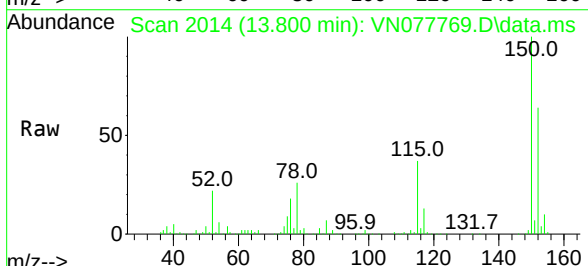
Tgt Ion:117 Resp: 57465
Ion Ratio Lower Upper
117 100
82 54.3 44.0 66.0
119 31.3 25.6 38.4

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/22/2023
Supervised By :Mahesh Dadoda 05/22/2023



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 2014
Delta R.T. -0.000 min
Lab File: VN077769.D
Acq: 19 May 2023 17:11



Tgt Ion:152 Resp: 198744
Ion Ratio Lower Upper
152 100
115 59.7 32.3 96.8
150 152.6 0.0 355.8

