

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051823\
 Data File : VN077749.D
 Acq On : 18 May 2023 20:14
 Operator : JC\MD
 Sample : 02834-13
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE125D2-20230517

Quant Time: May 19 07:37:51 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 05/19/2023
 Supervised By : Mahesh Dadoda 05/19/2023

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

Internal Standards						
1) Pentafluorobenzene	8.235	168	353936	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	635904	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	571076	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	198268	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	238406	45.018	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	90.040%		
35) Dibromofluoromethane	8.177	113	202607	48.860	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.720%		
50) Toluene-d8	10.576	98	797116	49.942	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.880%		
62) 4-Bromofluorobenzene	12.853	95	261816	46.446	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	92.900%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.136	85	2048	0.508	ug/l	75
7) Trichlorofluoromethane	3.524	101	1790	0.253	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.383	101	40836	10.426	ug/l	94
12) 1,1-Dichloroethene	4.365	96	11876	3.190	ug/l	86
27) cis-1,2-Dichloroethene	7.494	96	24297	4.846	ug/l	95
30) Chloroform	7.971	83	3850	0.446	ug/l #	68
38) Carbon Tetrachloride	8.371	117	2013m	0.329	ug/l	
44) Trichloroethene	9.359	130	1465587	323.392	ug/l	98
55) 1,1,2-Trichloroethane	11.012	97	1266	0.286	ug/l #	71
64) Tetrachloroethene	11.112	164	37694	9.438	ug/l	93

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

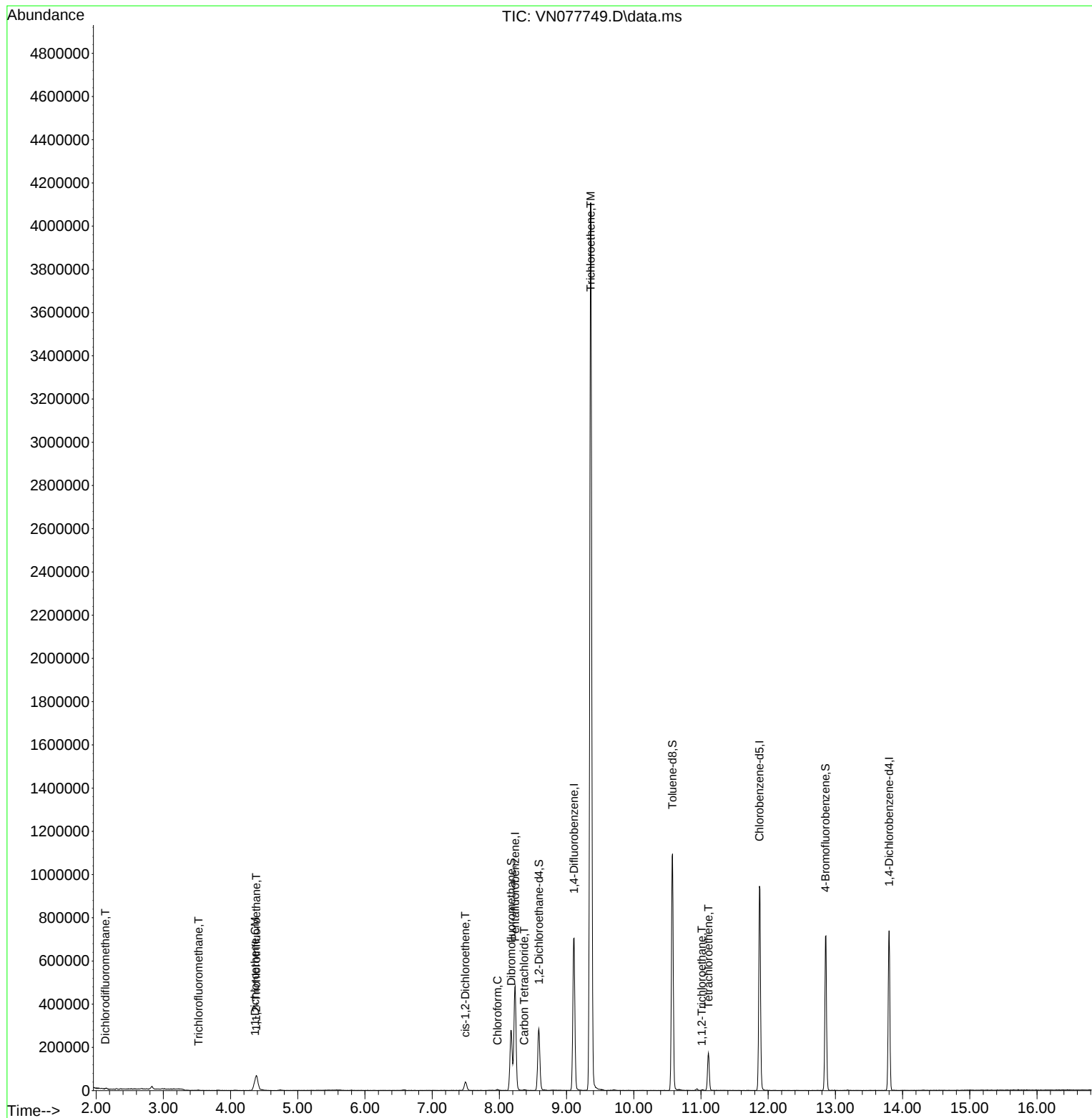
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051823\
Data File : VN077749.D
Acq On : 18 May 2023 20:14
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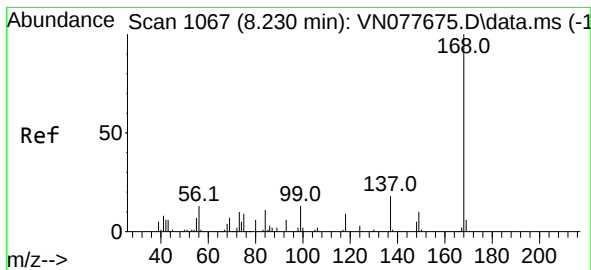
Instrument :
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ClientSampleId :
RE125D2-20230517

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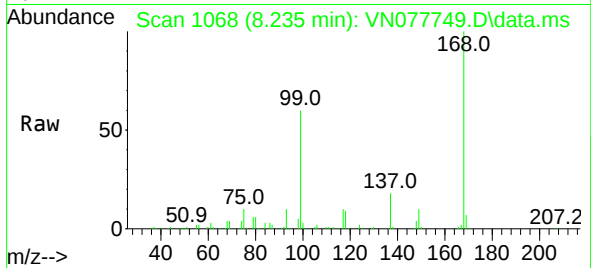
Quant Time: May 19 07:37:51 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
Quant Title : SW846 8260
QLast Update : Tue May 16 04:07:42 2023
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN077749.D
Acq: 18 May 2023 20:14

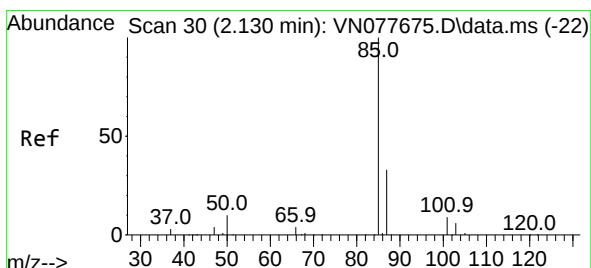
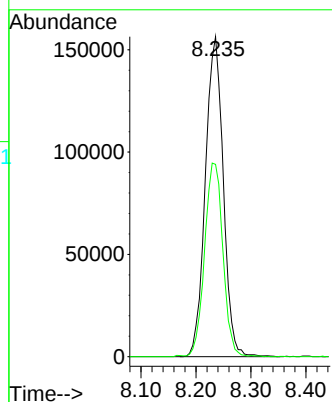
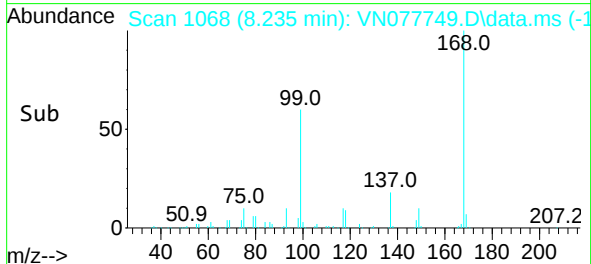
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MSVOA_N
ClientSampleId :
RE125D2-20230517



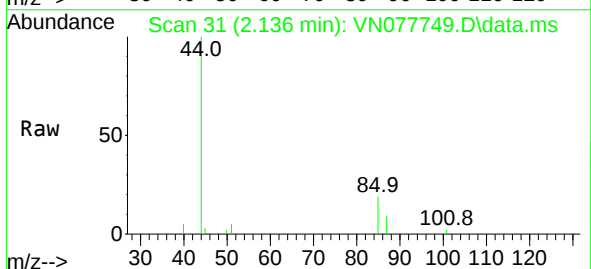
Tgt Ion:168 Resp: 353930
Ion Ratio Lower Upper
168 100
99 60.0 53.0 79.6

Manual Integrations
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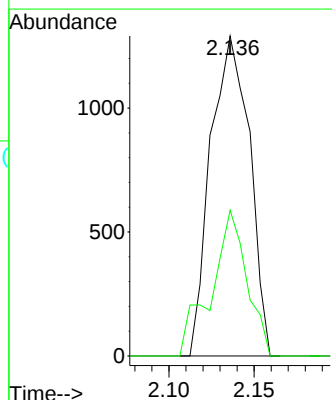
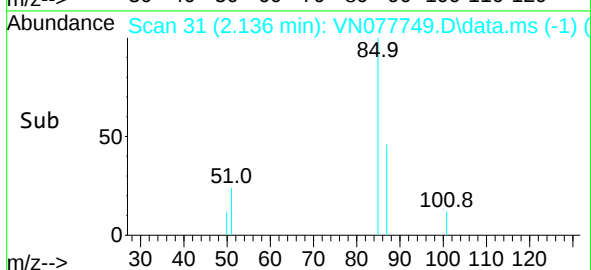
Reviewed By :John Carlone 05/19/2023
Supervised By :Mahesh Dadoda 05/19/2023

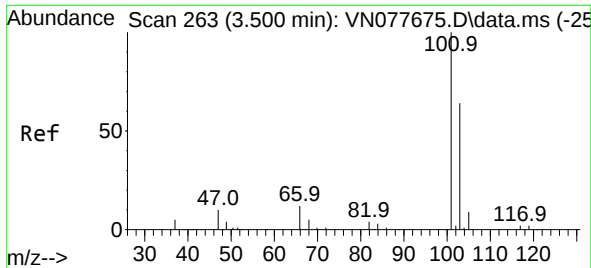


#2
Dichlorodifluoromethane
Concen: 0.508 ug/l
RT: 2.136 min Scan# 31
Delta R.T. 0.006 min
Lab File: VN077749.D
Acq: 18 May 2023 20:14



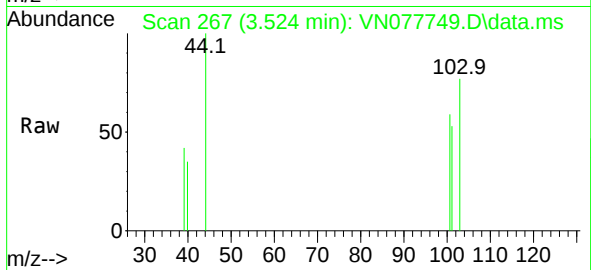
Tgt Ion: 85 Resp: 2048
Ion Ratio Lower Upper
85 100
87 45.5 15.8 47.4





#7
Trichlorofluoromethane
Concen: 0.253 ug/l
RT: 3.524 min Scan# 20
Delta R.T. 0.024 min
Lab File: VN077749.D
Acq: 18 May 2023 20:14

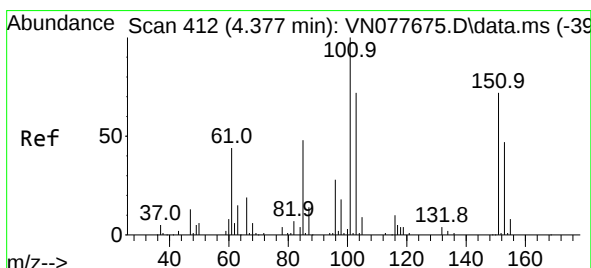
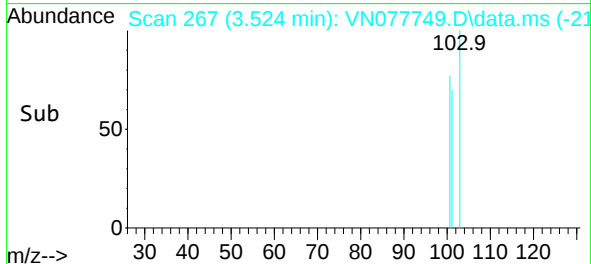
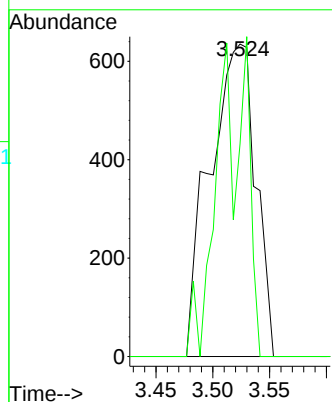
Instrument :
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RE125D2-20230517



Tgt Ion:101 Resp: 1790
Ion Ratio Lower Upper
101 100
103 68.0 50.7 76.1

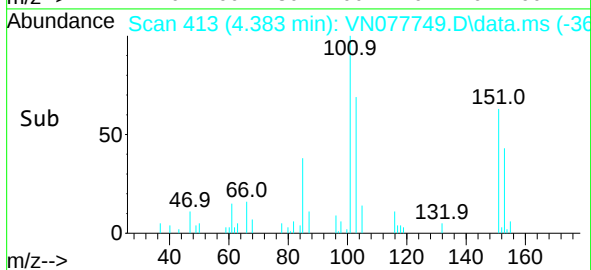
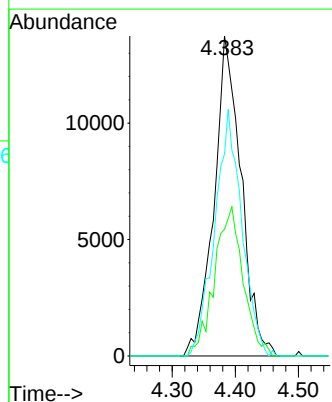
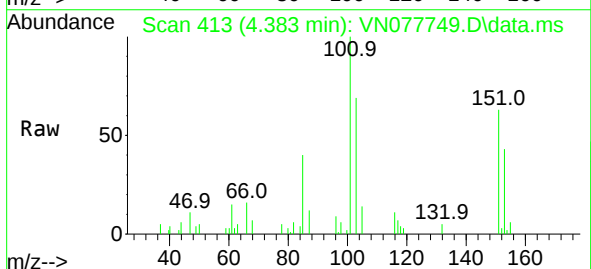
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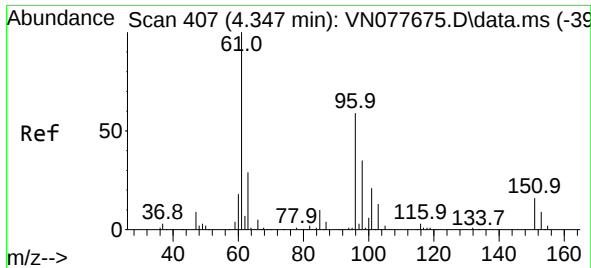
Reviewed By :John Carlone 05/19/2023
Supervised By :Mahesh Dadoda 05/19/2023



#9
1,1,2-Trichlorotrifluoroethane
Concen: 10.426 ug/l
RT: 4.383 min Scan# 413
Delta R.T. 0.006 min
Lab File: VN077749.D
Acq: 18 May 2023 20:14

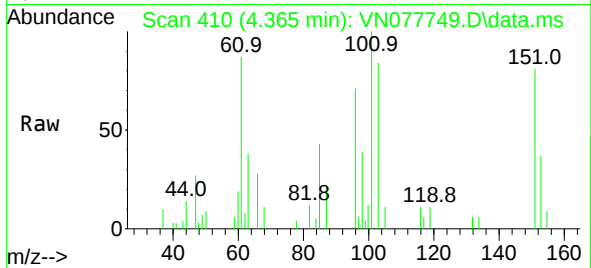
Tgt Ion:101 Resp: 40836
Ion Ratio Lower Upper
101 100
85 49.4 36.6 55.0
151 77.2 57.6 86.4





#12
1,1-Dichloroethene
Concen: 3.190 ug/l
RT: 4.365 min Scan# 410
Delta R.T. 0.018 min
Lab File: VN077749.D
Acq: 18 May 2023 20:14

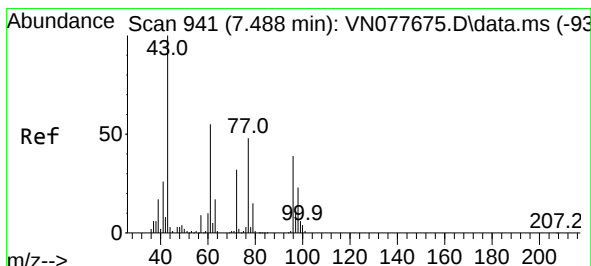
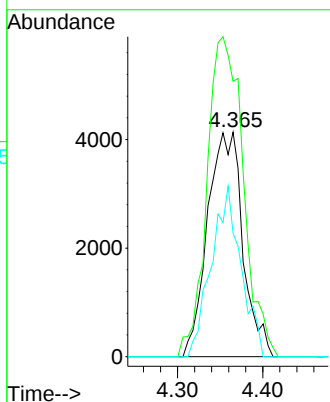
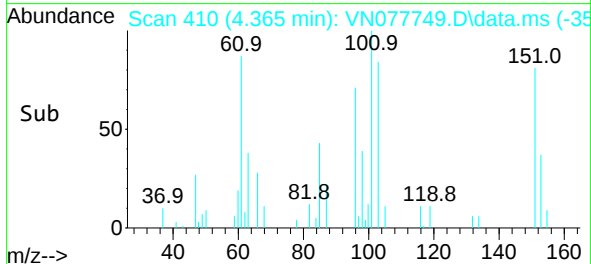
Instrument :
MSVOA_N
ClientSampleId :
RE125D2-20230517



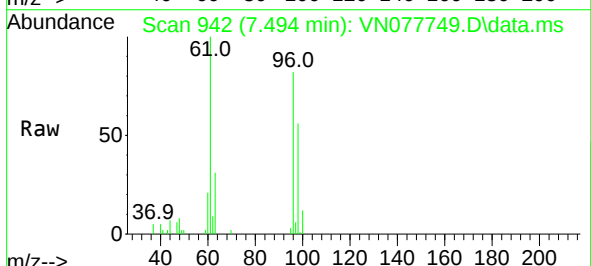
Tgt Ion: 96 Resp: 11870
Ion Ratio Lower Upper
96 100
61 122.7 112.7 169.1
98 55.1 51.2 76.8

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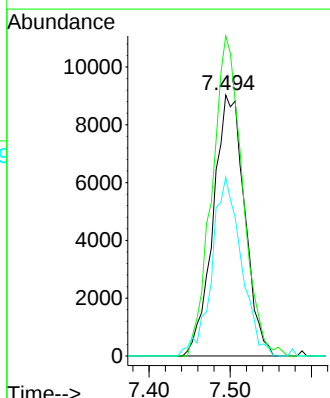
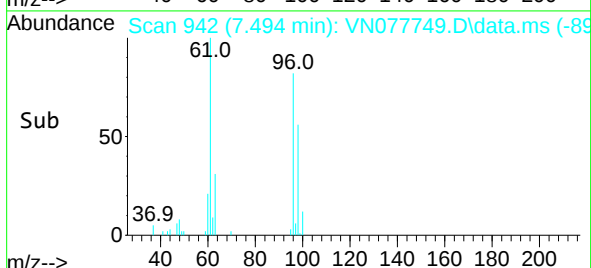
Reviewed By :John Carlone 05/19/2023
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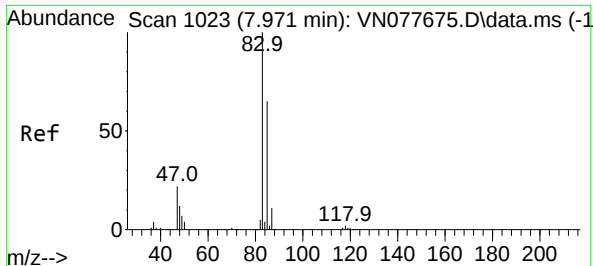


#27
cis-1,2-Dichloroethene
Concen: 4.846 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.006 min
Lab File: VN077749.D
Acq: 18 May 2023 20:14



Tgt Ion: 96 Resp: 24297
Ion Ratio Lower Upper
96 100
61 119.1 0.0 255.2
98 64.2 0.0 128.8





#30

Chloroform

Concen: 0.446 ug/l

RT: 7.971 min Scan# 1023

Delta R.T. -0.000 min

Lab File: VN077749.D

Acq: 18 May 2023 20:14

Instrument :

MSVOA_N

ClientSampleId :

RE125D2-20230517

Tgt Ion: 83 Resp: 3850

Ion Ratio Lower Upper

83 100

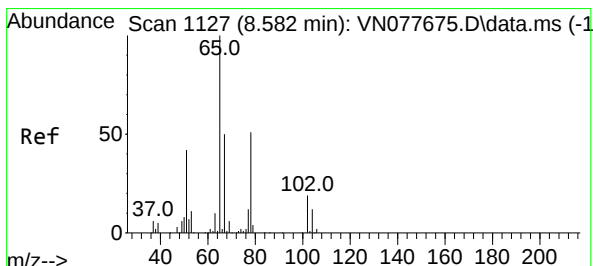
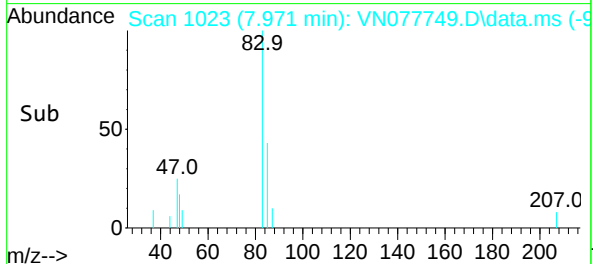
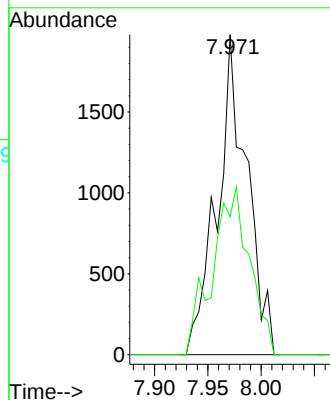
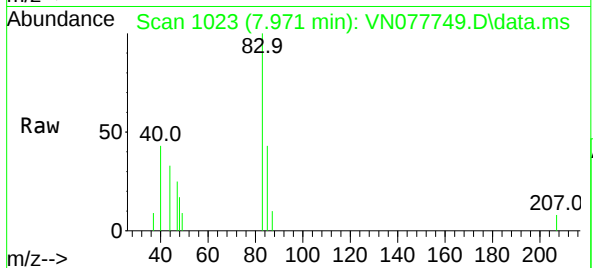
85 43.1 55.4 83.0

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Reviewed By :John Carlone 05/19/2023

Supervised By :Mahesh Dadoda 05/19/2023



#33

1,2-Dichloroethane-d4

Concen: 45.018 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. 0.006 min

Lab File: VN077749.D

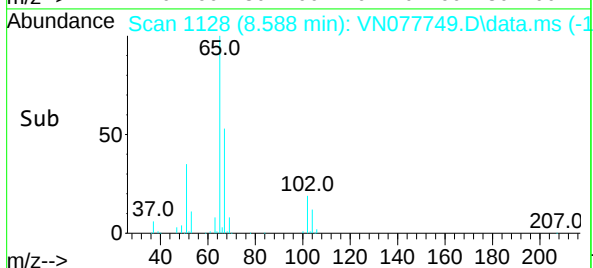
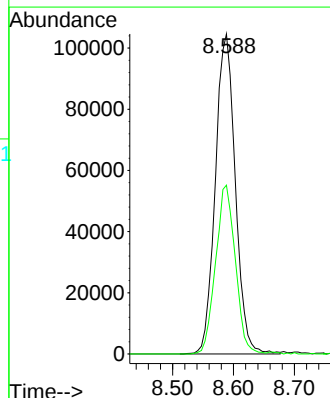
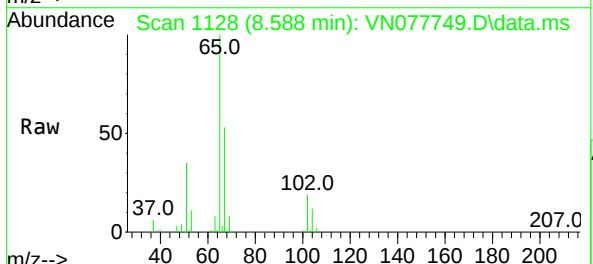
Acq: 18 May 2023 20:14

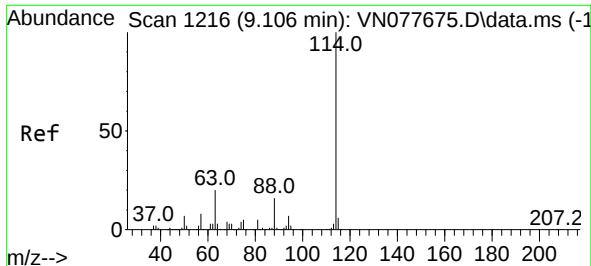
Tgt Ion: 65 Resp: 238406

Ion Ratio Lower Upper

65 100

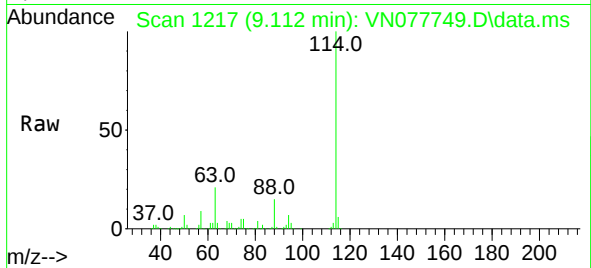
67 51.9 0.0 106.6





#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.112 min Scan# 114
Delta R.T. 0.006 min
Lab File: VN077749.D
Acq: 18 May 2023 20:14

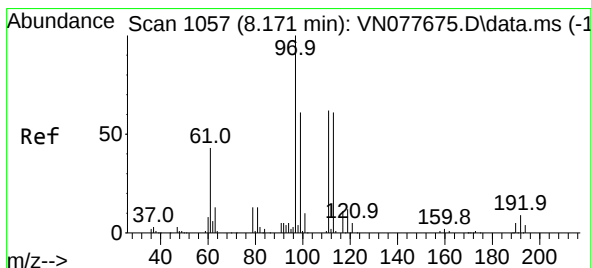
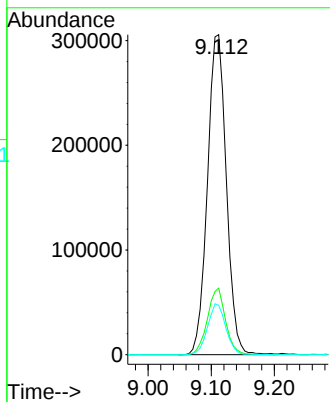
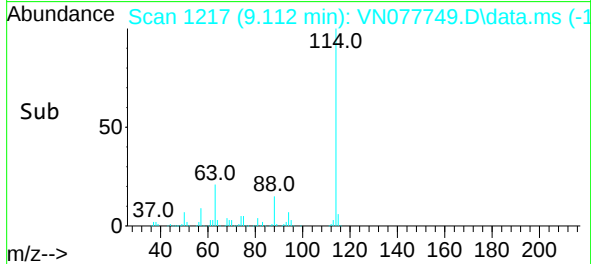
Instrument :
MSVOA_N
ClientSampleId :
RE125D2-20230517



Tgt Ion:114 Resp: 635904
Ion Ratio Lower Upper
114 100
63 20.8 0.0 36.4
88 15.4 0.0 30.6

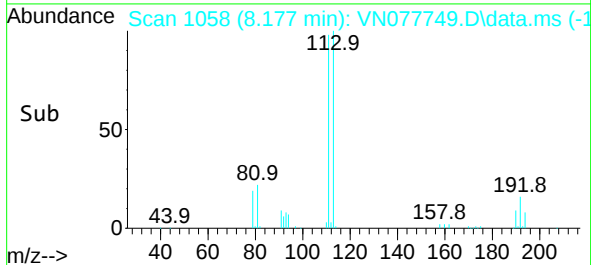
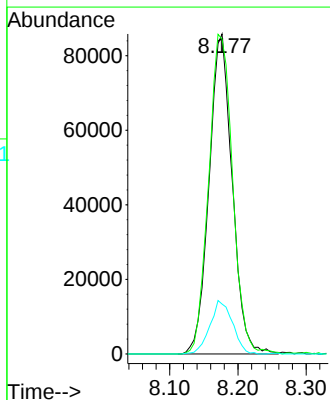
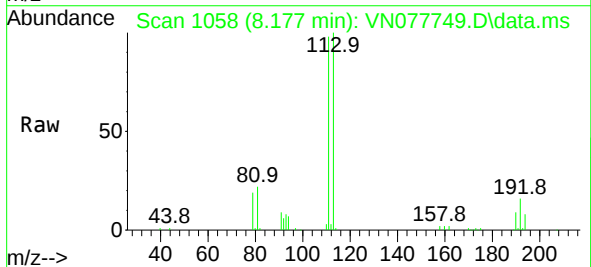
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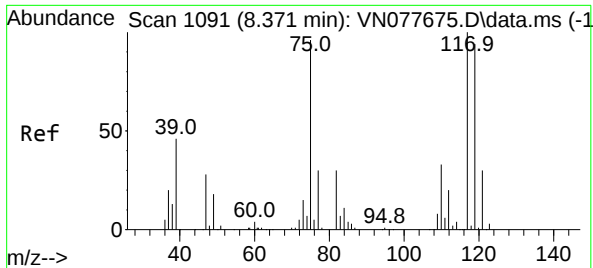
Reviewed By :John Carlone 05/19/2023
Supervised By :Mahesh Dadoda 05/19/2023



#35
Dibromofluoromethane
Concen: 48.860 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VN077749.D
Acq: 18 May 2023 20:14

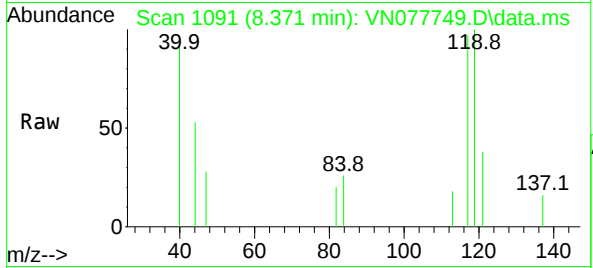
Tgt Ion:113 Resp: 202607
Ion Ratio Lower Upper
113 100
111 103.5 82.6 123.8
192 16.3 12.7 19.1





#38
Carbon Tetrachloride
Concen: 0.329 ug/l m
RT: 8.371 min Scan# 1091
Delta R.T. -0.000 min
Lab File: VN077749.D
Acq: 18 May 2023 20:14

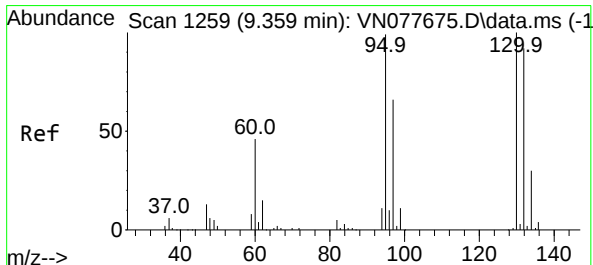
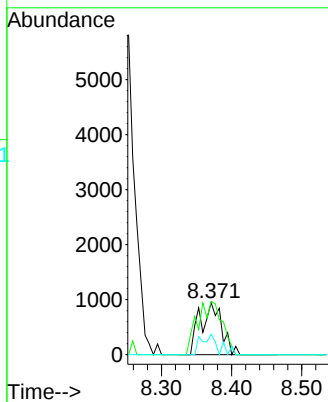
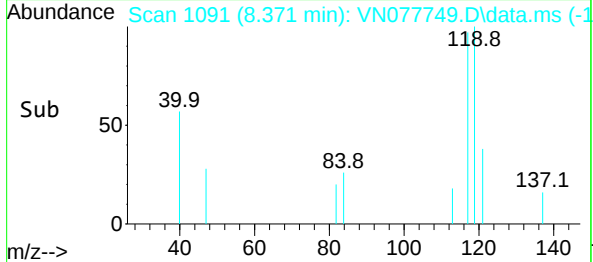
Instrument :
MSVOA_N
ClientSampleId :
RE125D2-20230517



Tgt Ion:117 Resp: 201
Ion Ratio Lower Upper
117 100
119 102.6 77.3 115.9
121 39.3 23.3 34.9

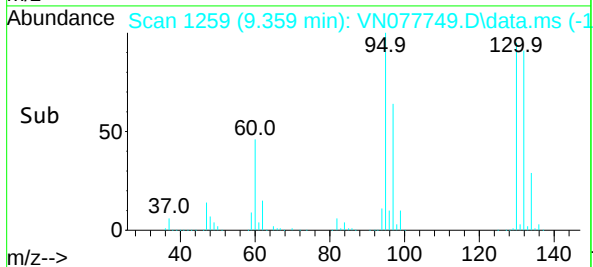
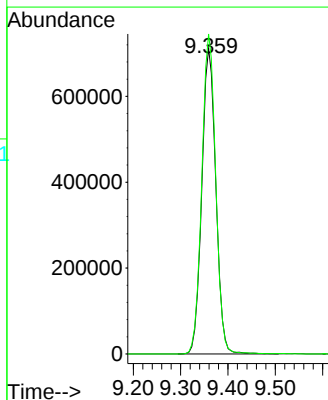
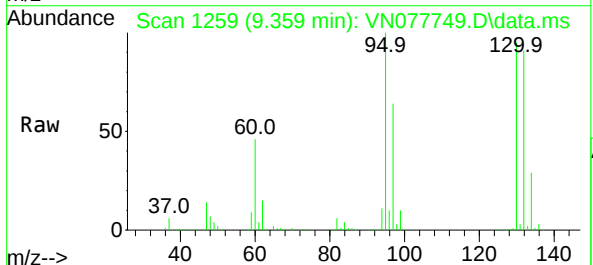
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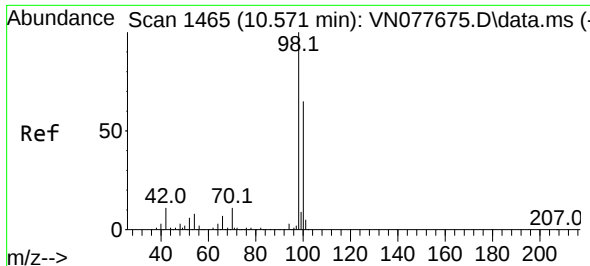
Reviewed By :John Carlone 05/19/2023
Supervised By :Mahesh Dadoda 05/19/2023



#44
Trichloroethene
Concen: 323.392 ug/l
RT: 9.359 min Scan# 1259
Delta R.T. -0.000 min
Lab File: VN077749.D
Acq: 18 May 2023 20:14

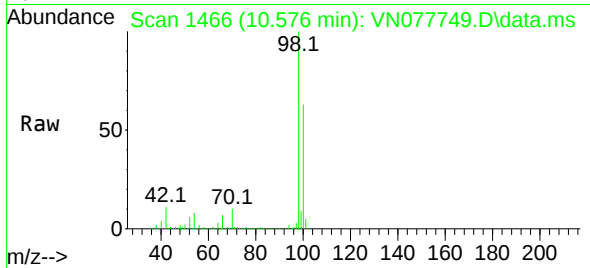
Tgt Ion:130 Resp: 1465587
Ion Ratio Lower Upper
130 100
95 104.8 0.0 204.6





#50
Toluene-d8
Concen: 49.942 ug/l
RT: 10.576 min Scan# 1465
Delta R.T. 0.005 min
Lab File: VN077749.D
Acq: 18 May 2023 20:14

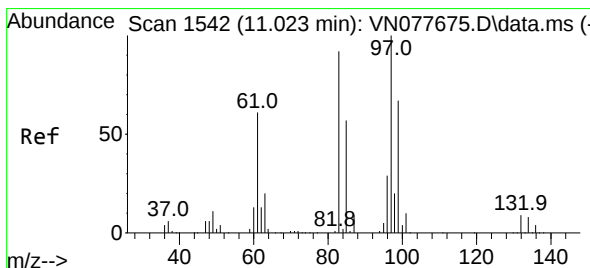
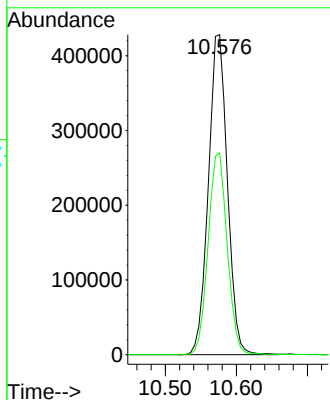
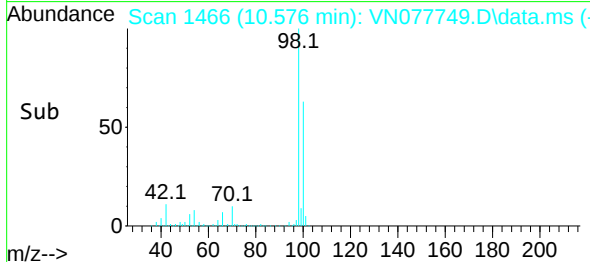
Instrument :
MSVOA_N
ClientSampleId :
RE125D2-20230517



Tgt Ion: 98 Resp: 797110
Ion Ratio Lower Upper
98 100
100 63.3 52.0 78.0

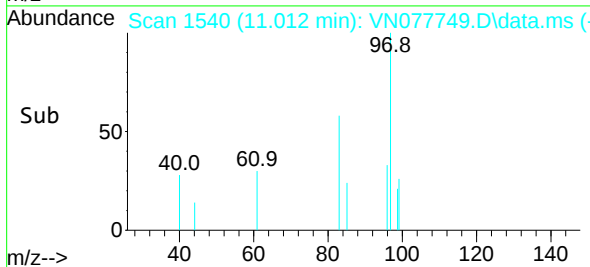
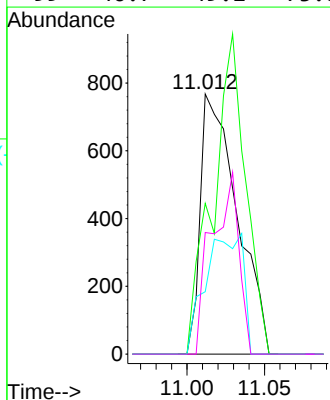
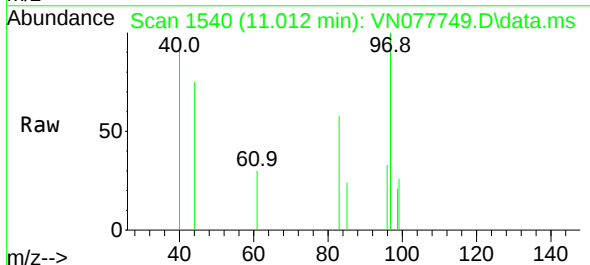
Manual Integrations
APPROVED

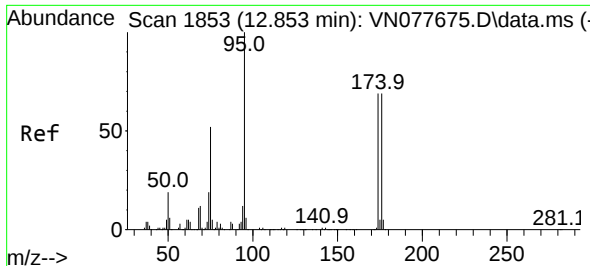
Reviewed By :John Carlone 05/19/2023
Supervised By :Mahesh Dadoda 05/19/2023



#55
1,1,2-Trichloroethane
Concen: 0.286 ug/l
RT: 11.012 min Scan# 1540
Delta R.T. -0.011 min
Lab File: VN077749.D
Acq: 18 May 2023 20:14

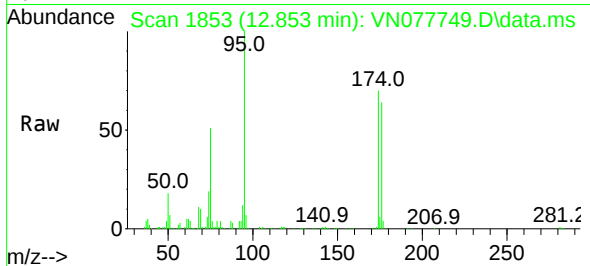
Tgt Ion: 97 Resp: 1266
Ion Ratio Lower Upper
97 100
83 57.9 65.1 97.7#
85 24.0 43.4 65.2#
99 46.7 49.2 73.8#





#62
4-Bromofluorobenzene
Concen: 46.446 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN077749.D
Acq: 18 May 2023 20:14

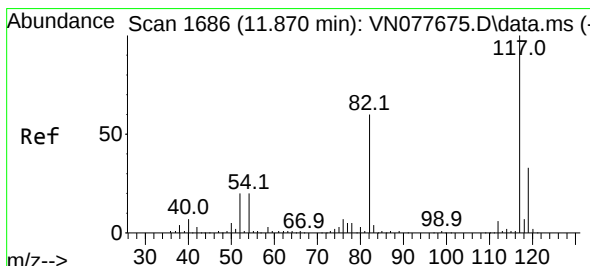
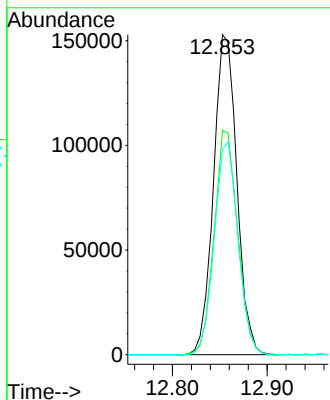
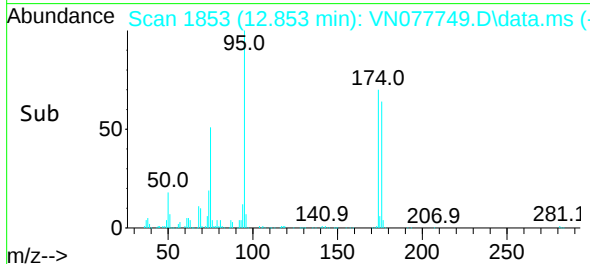
Instrument :
MSVOA_N
ClientSampleId :
RE125D2-20230517



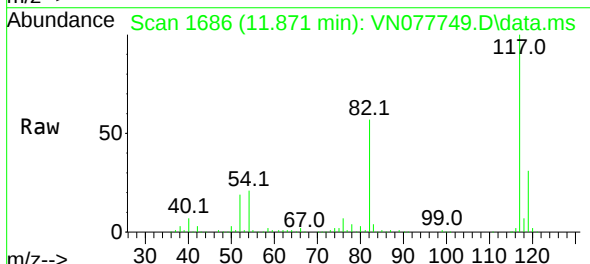
Tgt Ion: 95 Resp: 261810
Ion Ratio Lower Upper
95 100
174 70.7 0.0 143.8
176 67.6 0.0 135.8

Manual Integrations
APPROVED

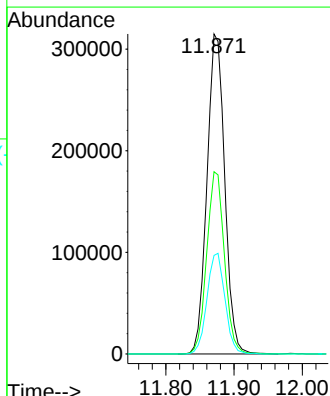
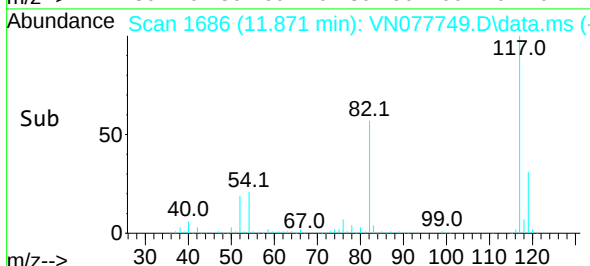
Reviewed By :John Carlone 05/19/2023
Supervised By :Mahesh Dadoda 05/19/2023

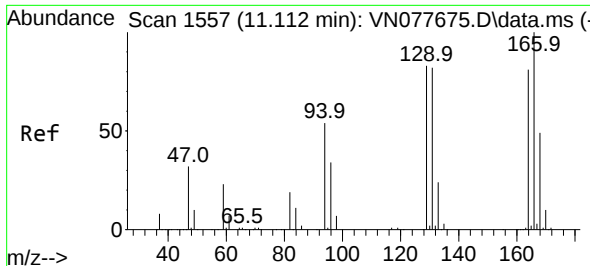


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.001 min
Lab File: VN077749.D
Acq: 18 May 2023 20:14



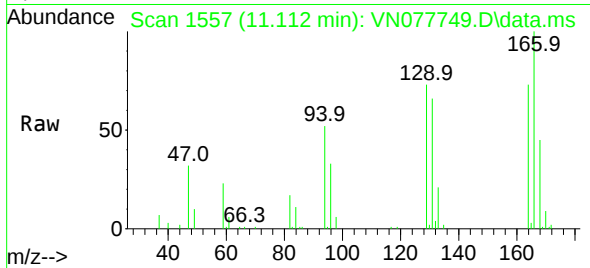
Tgt Ion:117 Resp: 571076
Ion Ratio Lower Upper
117 100
82 57.0 44.0 66.0
119 30.8 25.6 38.4





#64
Tetrachloroethene
Concen: 9.438 ug/l
RT: 11.112 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN077749.D
Acq: 18 May 2023 20:14

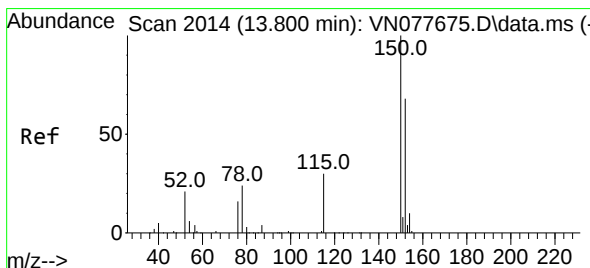
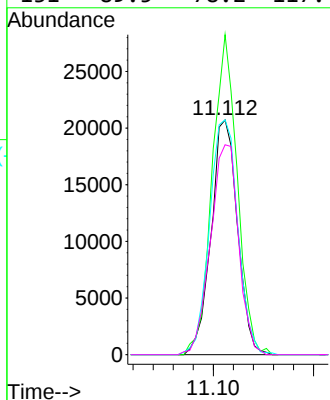
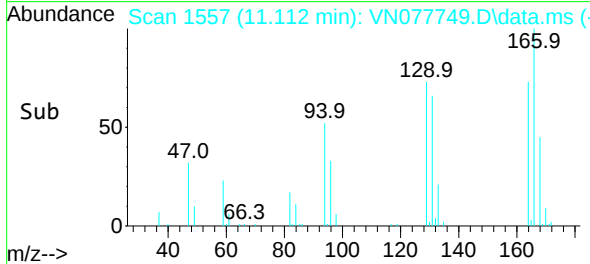
Instrument :
MSVOA_N
ClientSampleId :
RE125D2-20230517



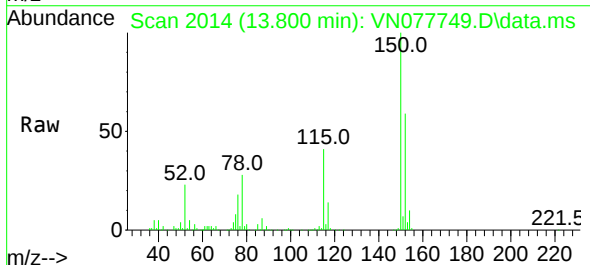
Tgt Ion:164 Resp: 37694
Ion Ratio Lower Upper
164 100
166 136.3 101.4 152.0
129 100.1 82.4 123.6
131 89.5 78.2 117.4

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/19/2023
Supervised By :Mahesh Dadoda 05/19/2023



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 2014
Delta R.T. -0.000 min
Lab File: VN077749.D
Acq: 18 May 2023 20:14



Tgt Ion:152 Resp: 198268
Ion Ratio Lower Upper
152 100
115 64.5 32.3 96.8
150 157.6 0.0 355.8

