

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051223\
 Data File : VN077670.D
 Acq On : 12 May 2023 13:35
 Operator : JC\MD
 Sample : 02752-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 230510054-02-VOA

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/15/2023
 Supervised By : Mahesh Dadoda 05/15/2023

Quant Time: May 15 01:37:27 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N050823W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue May 09 05:58:09 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.818	128	98216	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	560220	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	471733	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	200646	28.408	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	94.700%		
60) 4-Bromofluorobenzene	12.859	95	190742m	25.429	ug/l	0.01
Spiked Amount 30.000	Range 63 - 112		Recovery =	84.767%		
63) Toluene-d8	10.571	98	642008	29.466	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	98.233%		
Target Compounds						
23) tert-Butyl Alcohol	5.500	59	364803	483.960	ug/l #	100
45) 1,4-Dioxane	9.700	88	3881	36.909	ug/l #	75

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

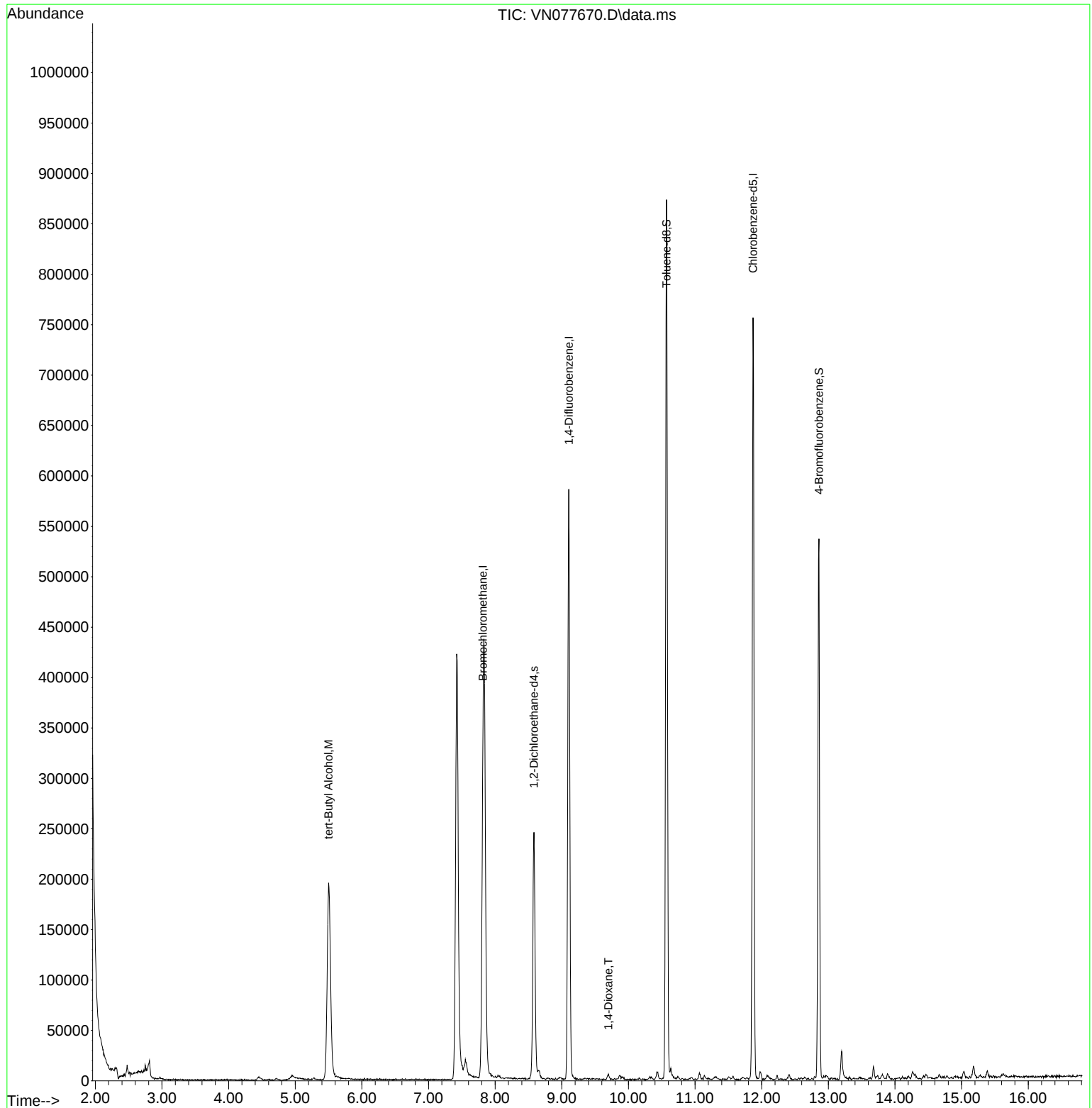
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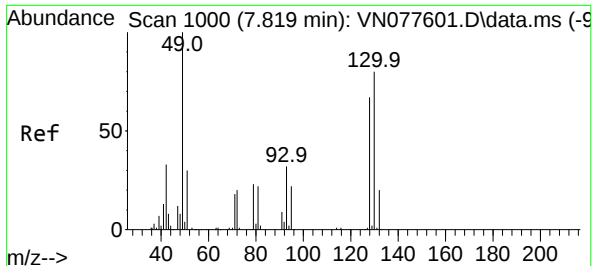
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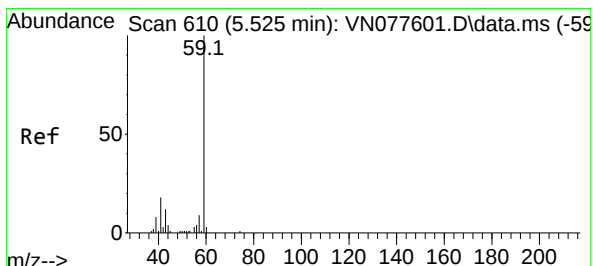
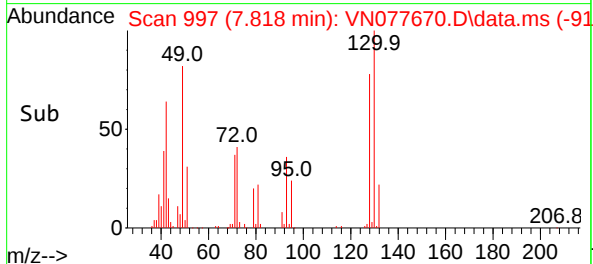
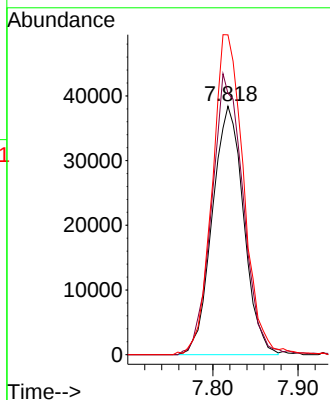
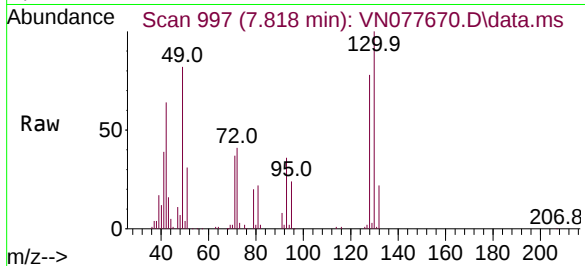
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 91
Delta R.T. -0.001 min
Lab File: VN077670.D
Acq: 12 May 2023 13:35

Instrument :
MSVOA_N
ClientSampleId :
230510054-02-VOA

Tgt Ion:128 Resp: 98210
Ion Ratio Lower Upper
128 100
49 113.0 0.0 369.8
130 127.8 0.0 317.8

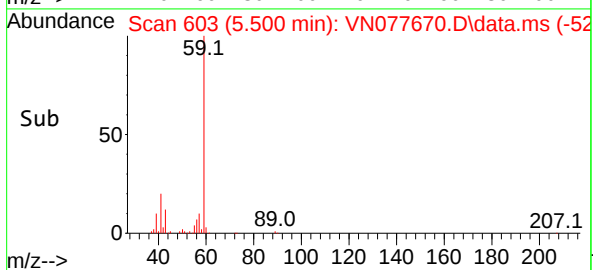
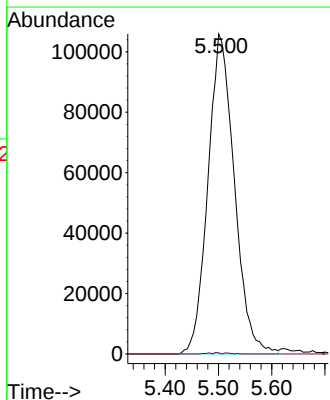
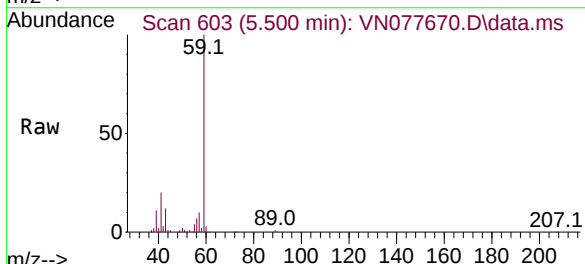
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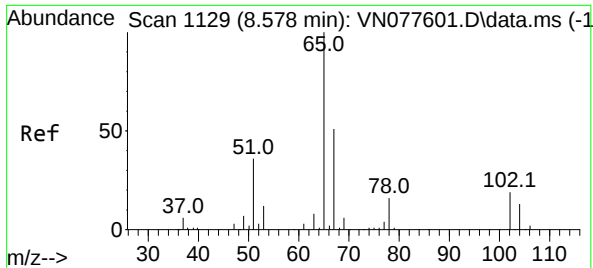
Reviewed By :John Carlone 05/15/2023
Supervised By :Mahesh Dadoda 05/15/2023



#23
tert-Butyl Alcohol
Concen: 483.960 ug/l
RT: 5.500 min Scan# 603
Delta R.T. -0.025 min
Lab File: VN077670.D
Acq: 12 May 2023 13:35

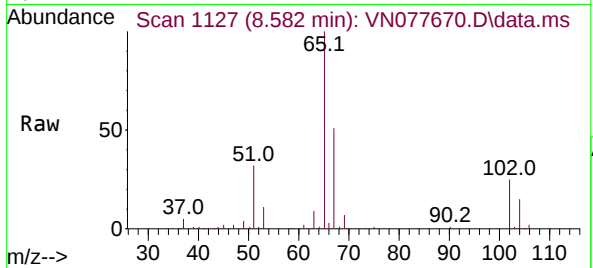
Tgt Ion: 59 Resp: 364803
Ion Ratio Lower Upper
59 100
52 0.1 0.0 0.0#





#27
1,2-Dichloroethane-d4
Concen: 28.408 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.004 min
Lab File: VN077670.D
Acq: 12 May 2023 13:35

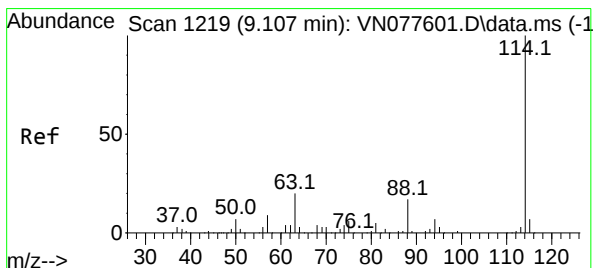
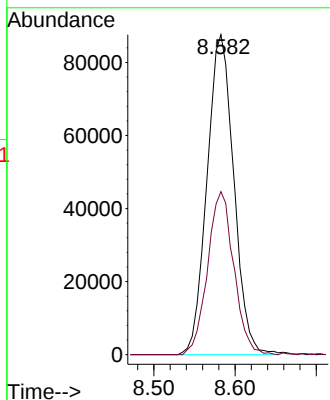
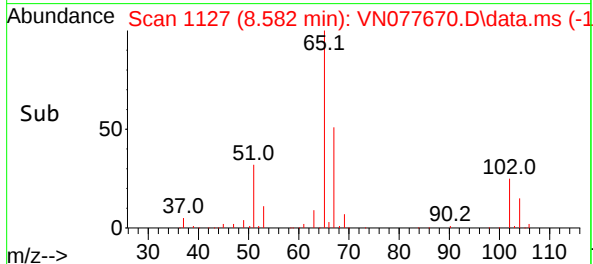
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ClientSampleId :
230510054-02-VOA



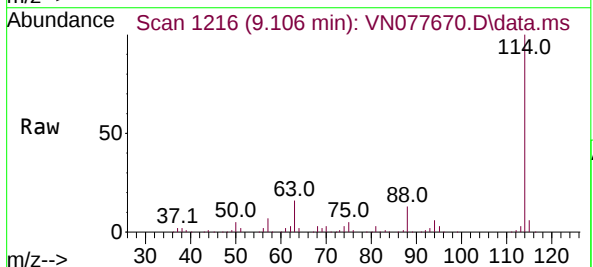
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Ion Ratio Lower Upper
65 100
67 50.0 41.3 61.9

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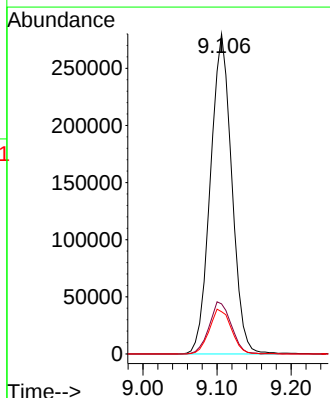
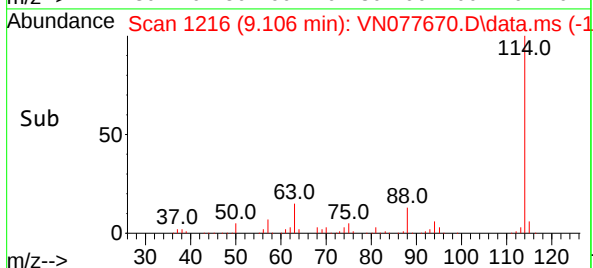
Reviewed By :John Carlone 05/15/2023
Supervised By :Mahesh Dadoda 05/15/2023

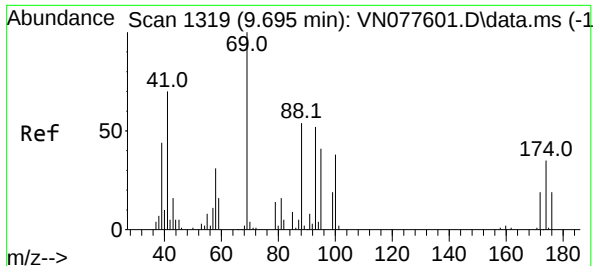


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. -0.001 min
Lab File: VN077670.D
Acq: 12 May 2023 13:35



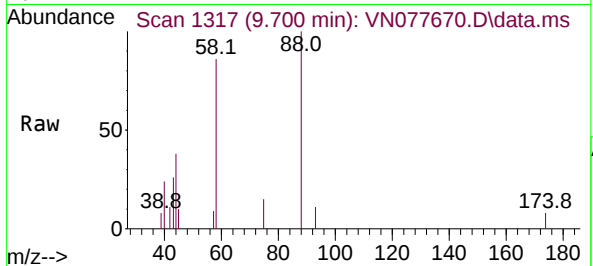
Tgt Ion:114 Resp: 560220
Ion Ratio Lower Upper
114 100
63 16.8 15.8 23.6
88 14.4 13.0 19.4





#45
1,4-Dioxane
Concen: 36.909 ug/l
RT: 9.700 min Scan# 11
Delta R.T. 0.005 min
Lab File: VN077670.D
Acq: 12 May 2023 13:35

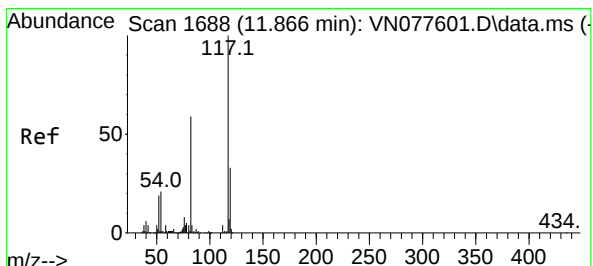
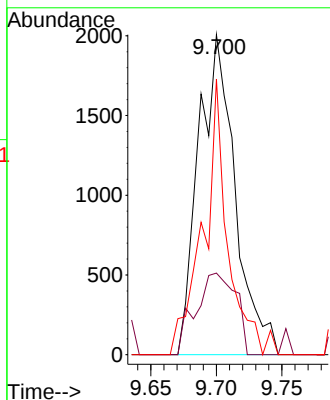
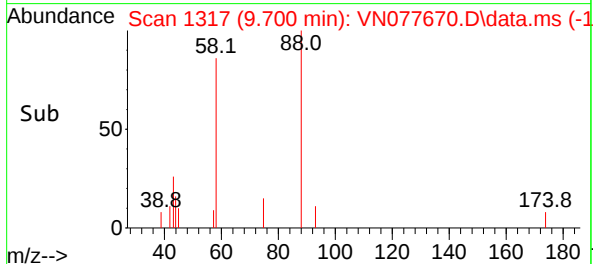
Instrument :
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ClientSampleId :
230510054-02-VOA



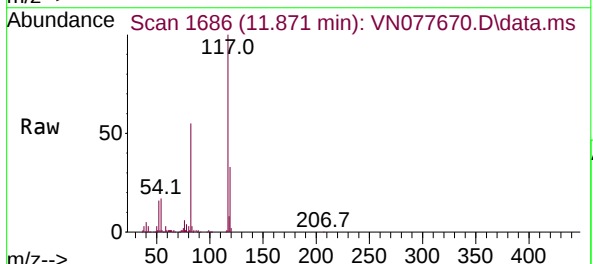
Tgt Ion: 88 Resp: 388
Ion Ratio Lower Upper
88 100
43 23.3 18.2 27.2
58 34.2 47.5 71.3

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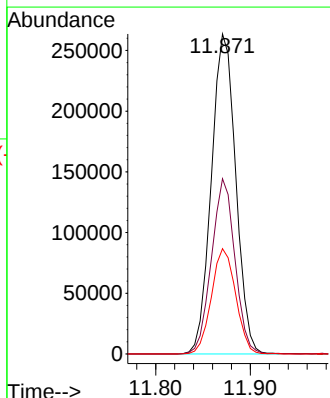
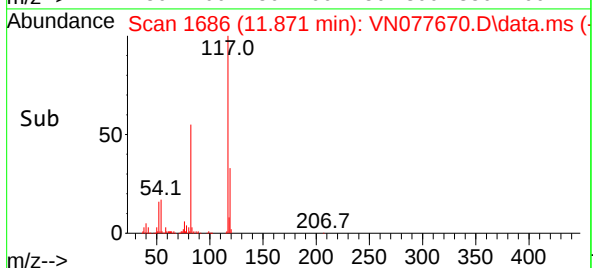
Reviewed By :John Carlone 05/15/2023
Supervised By :Mahesh Dadoda 05/15/2023

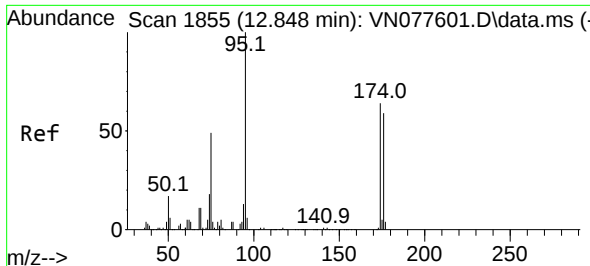


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.005 min
Lab File: VN077670.D
Acq: 12 May 2023 13:35



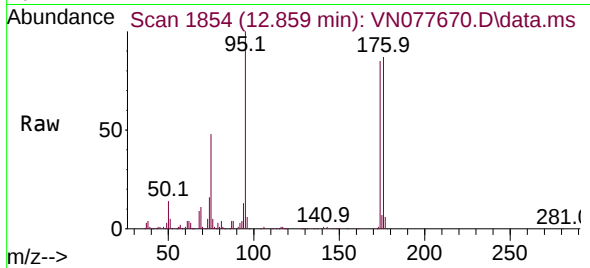
Tgt Ion:117 Resp: 471733
Ion Ratio Lower Upper
117 100
82 52.5 47.4 71.2
119 32.6 26.6 39.8





#60
4-Bromofluorobenzene
Concen: 25.429 ug/l m
RT: 12.859 min Scan# 1854
Delta R.T. 0.011 min
Lab File: VN077670.D
Acq: 12 May 2023 13:35

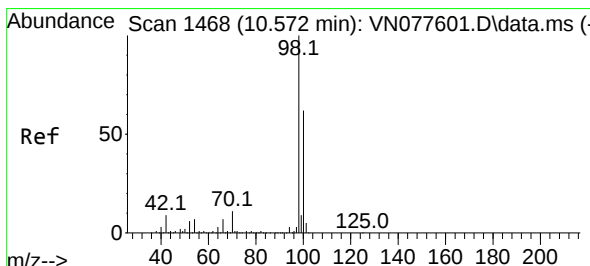
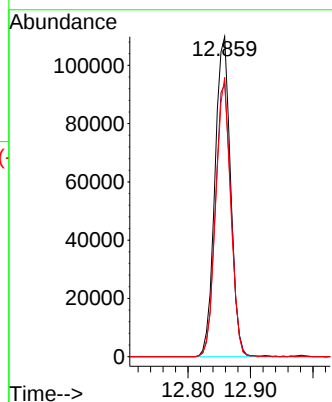
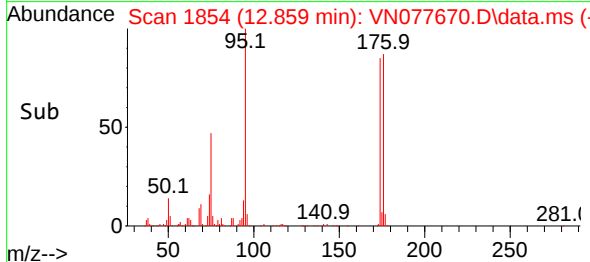
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Tgt Ion: 95 Resp: 190742
Ion Ratio Lower Upper
95 100
174 0.2 53.4 80.0
176 0.2 50.0 75.0

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Supervised By :Mahesh Dadoda 05/15/2023



#63
Toluene-d8
Concen: 29.466 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.001 min
Lab File: VN077670.D
Acq: 12 May 2023 13:35

Tgt Ion: 98 Resp: 642008
Ion Ratio Lower Upper
98 100
100 66.1 52.1 78.1

