

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL102522\
 Data File : VL039791.D
 Acq On : 25 Oct 2022 17:13
 Operator : SY/AP
 Sample : N5278-01DUP
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 AA-1DUP

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 10/28/2022
 Supervised By : Mahesh Dadoda 10/31/2022

Quant Time: Oct 28 08:36:00 2022

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL102422AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Mon Oct 24 20:00:55 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.205	49	885149	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.661	114	2214222	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.468	117	1832365	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.777	95	1299767	9.971	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.700%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.751	85	68584	0.740	ppbv	97
3) Chlorodifluoromethane	2.703	51	34608	0.325	ppbv	96
4) Chloromethane	2.841	50	30760	0.462	ppbv	91
9) Propene	2.726	41	23476m	0.514	ppbv	
11) Trichlorofluoromethane	3.584	101	27581	0.213	ppbv	97
13) Ethanol	3.282	45	15454m	4.710	ppbv	
15) Acetone	3.497	43	302892	2.865	ppbv #	89
20) Methylene Chloride	3.954	84	42776	1.063	ppbv #	91
26) Hexane	5.227	57	253722	2.952	ppbv #	37
34) 2-Butanone	4.828	43	21229m	0.204	ppbv	
35) Carbon Tetrachloride	6.504	117	9500m	0.075	ppbv	
53) Toluene	9.227	91	25305m	0.142	ppbv	

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

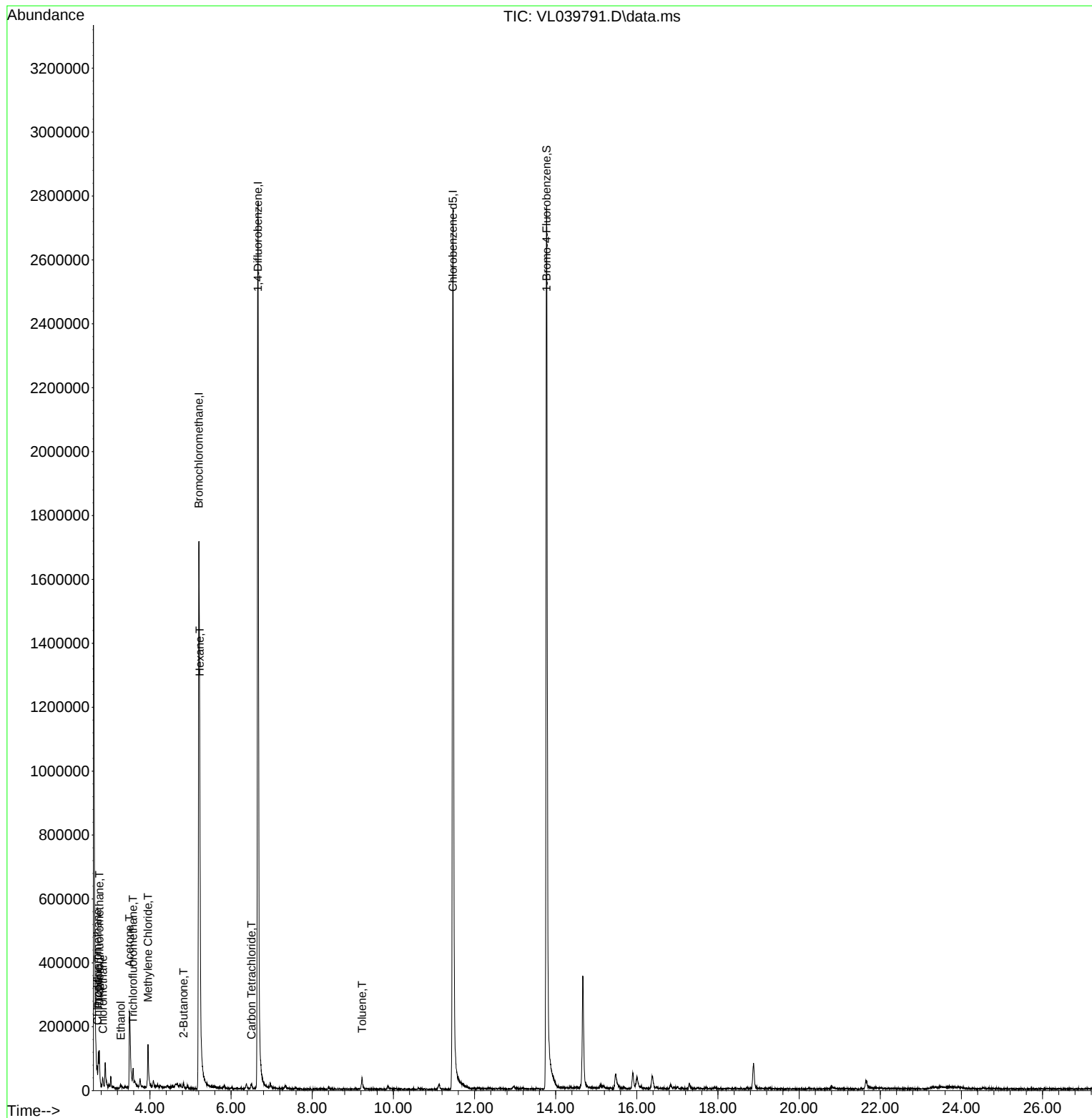
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL102522\
Data File : VL039791.D
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Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

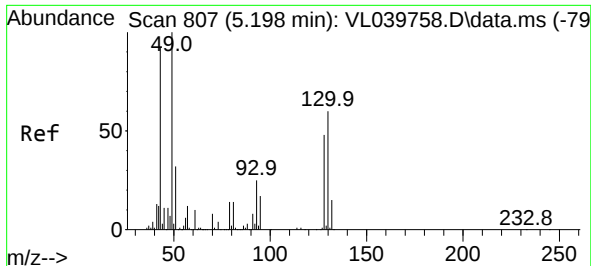
Instrument :
MSVOA_L
ClientSampleId :
AA-1DUP

Quant Time: Oct 28 08:36:00 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL102422AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Mon Oct 24 20:00:55 2022
Response via : Initial Calibration

Manual Integrations
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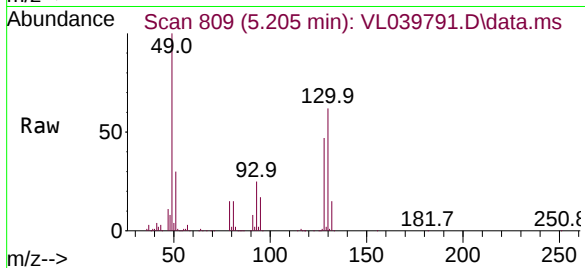
Reviewed By :Semsettin Yesilyurt 10/28/2022
Supervised By :Mahesh Dadoda 10/31/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.205 min Scan# 807
Delta R.T. 0.007 min
Lab File: VL039791.D
Acq: 25 Oct 2022 17:13

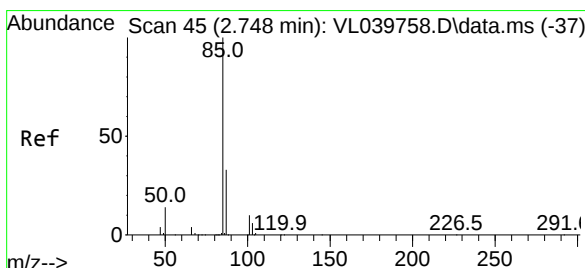
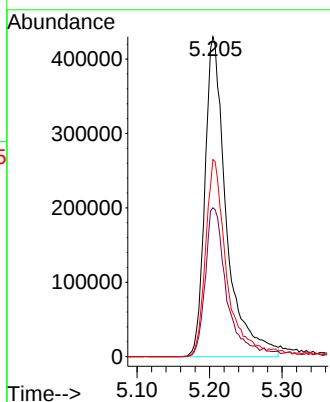
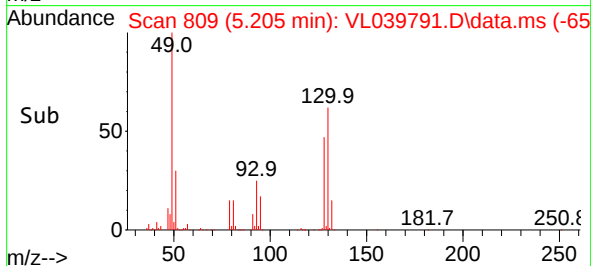
Instrument :
MSVOA_L
ClientSampleId :
AA-1DUP



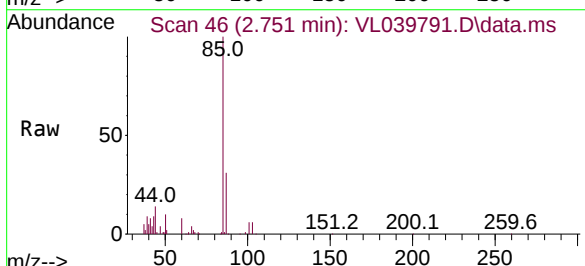
Tgt Ion: 49 Resp: 885149
Ion Ratio Lower Upper
49 100
128 48.7 24.6 74.0
130 61.6 31.8 95.3

Manual Integrations
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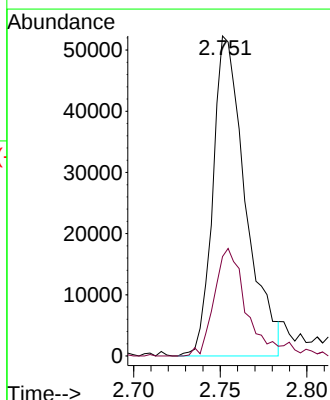
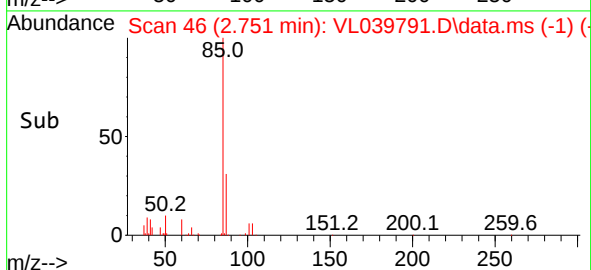
Reviewed By :Semsettin Yesilyurt 10/28/2022
Supervised By :Mahesh Dadoda 10/31/2022

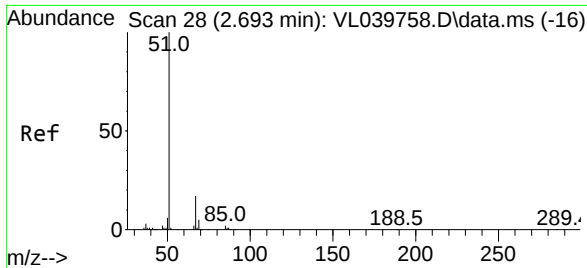


#2
Dichlorodifluoromethane
Concen: 0.740 ppbv
RT: 2.751 min Scan# 46
Delta R.T. 0.003 min
Lab File: VL039791.D
Acq: 25 Oct 2022 17:13



Tgt Ion: 85 Resp: 68584
Ion Ratio Lower Upper
85 100
87 31.0 26.1 39.1





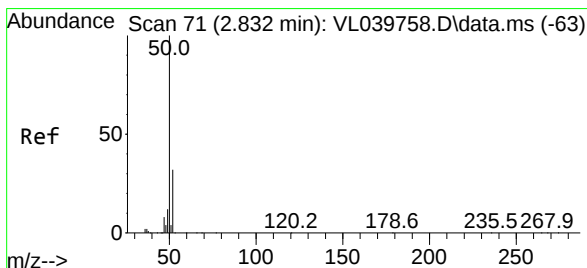
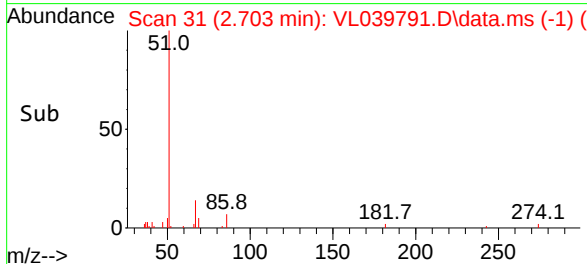
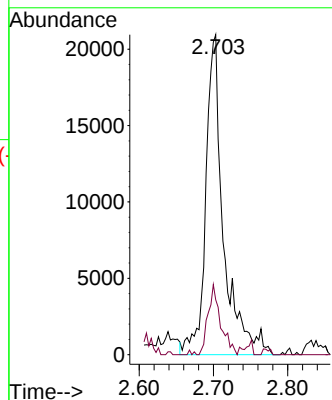
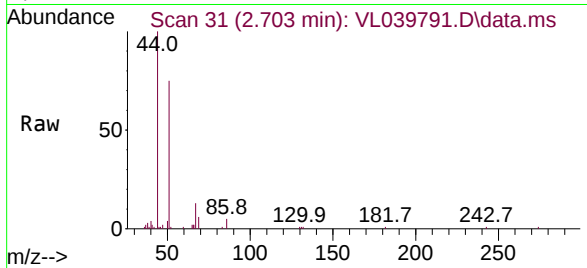
#3
Chlorodifluoromethane
Concen: 0.325 ppbv
RT: 2.703 min Scan# 31
Delta R.T. 0.010 min
Lab File: VL039791.D
Acq: 25 Oct 2022 17:13

Instrument :
MSVOA_L
ClientSampleId :
AA-1DUP

Tgt Ion: 51 Resp: 34608
Ion Ratio Lower Upper
51 100
67 15.9 14.2 21.2

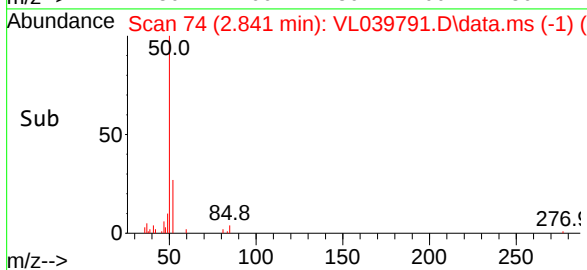
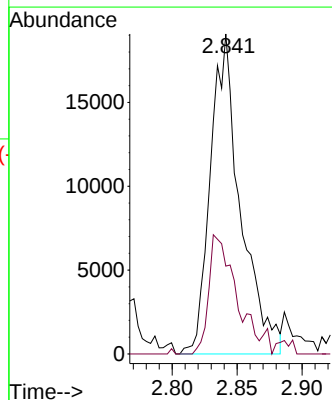
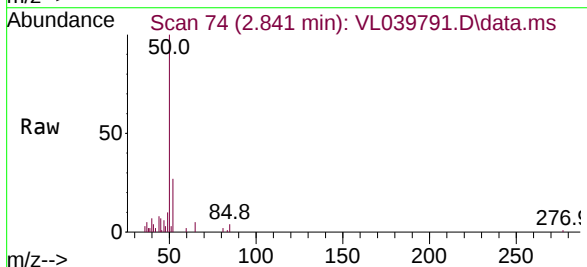
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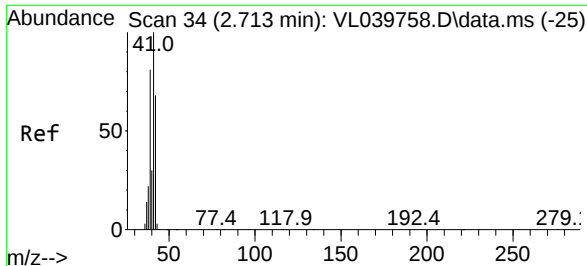
Reviewed By :Semsettin Yesilyurt 10/28/2022
Supervised By :Mahesh Dadoda 10/31/2022



#4
Chloromethane
Concen: 0.462 ppbv
RT: 2.841 min Scan# 74
Delta R.T. 0.010 min
Lab File: VL039791.D
Acq: 25 Oct 2022 17:13

Tgt Ion: 50 Resp: 30760
Ion Ratio Lower Upper
50 100
52 27.5 25.9 38.9





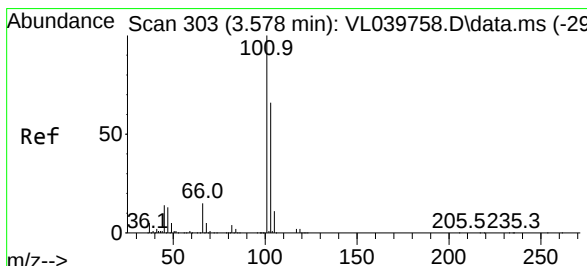
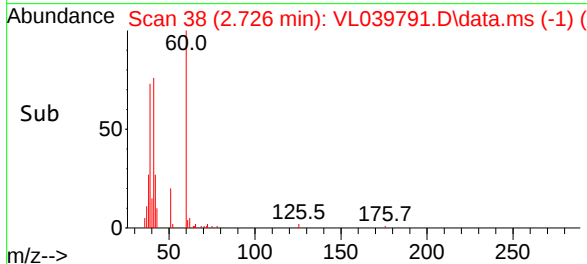
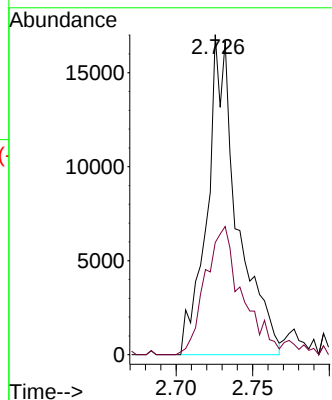
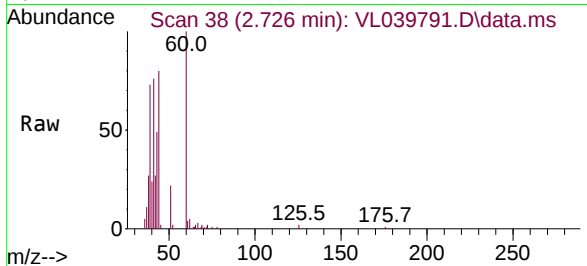
#9
Propene
Concen: 0.514 ppbv m
RT: 2.726 min Scan# 30
Delta R.T. 0.013 min
Lab File: VL039791.D
Acq: 25 Oct 2022 17:13

Instrument :
MSVOA_L
ClientSampleId :
AA-1DUP

Tgt Ion: 41 Resp: 23470
Ion Ratio Lower Upper
41 100
42 7.0 58.0 87.0

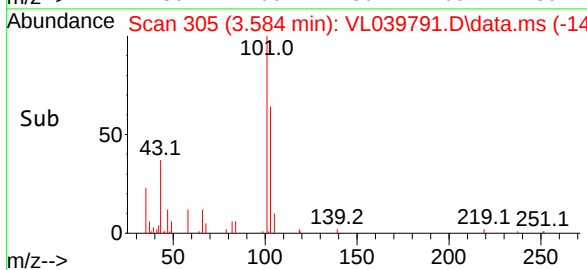
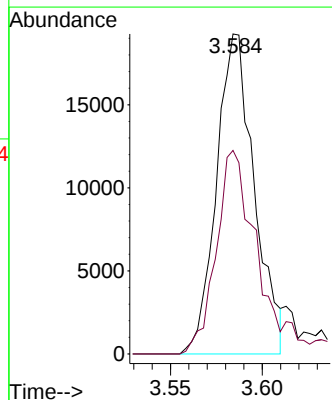
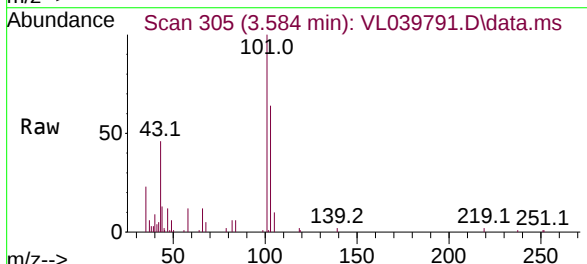
Manual Integrations
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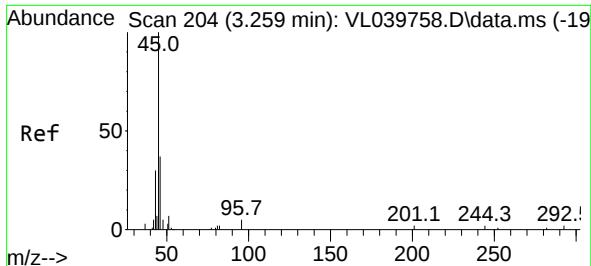
Reviewed By :Semsettin Yesilyurt 10/28/2022
Supervised By :Mahesh Dadoda 10/31/2022



#11
Trichlorofluoromethane
Concen: 0.213 ppbv
RT: 3.584 min Scan# 305
Delta R.T. 0.006 min
Lab File: VL039791.D
Acq: 25 Oct 2022 17:13

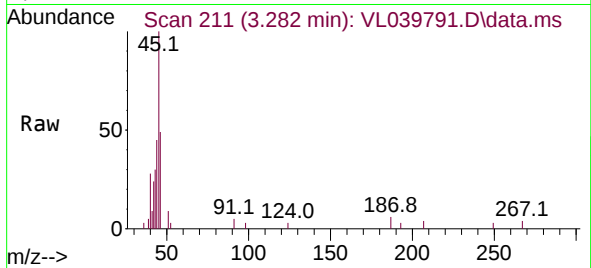
Tgt Ion:101 Resp: 27581
Ion Ratio Lower Upper
101 100
103 63.6 52.7 79.1





#13
Ethanol
Concen: 4.710 ppbv m
RT: 3.282 min Scan# 211
Delta R.T. 0.022 min
Lab File: VL039791.D
Acq: 25 Oct 2022 17:13

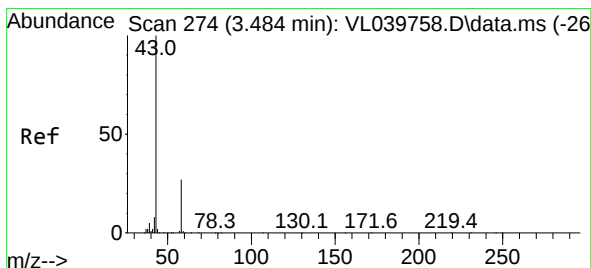
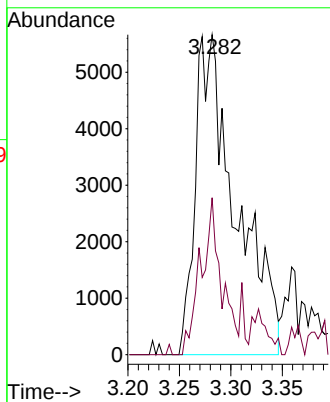
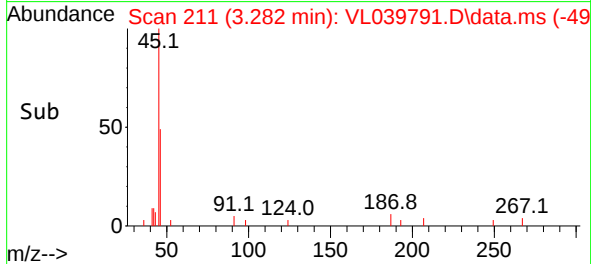
Instrument :
MSVOA_L
ClientSampleId :
AA-1DUP



Tgt Ion: 45 Resp: 15454
Ion Ratio Lower Upper
45 100
46 0.0 15.3 61.3

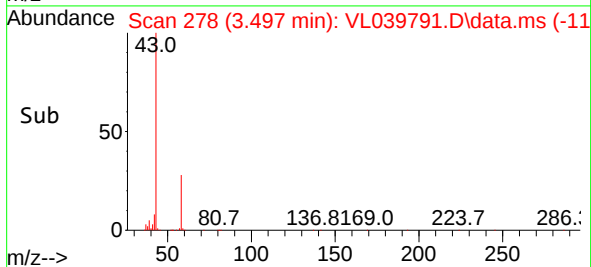
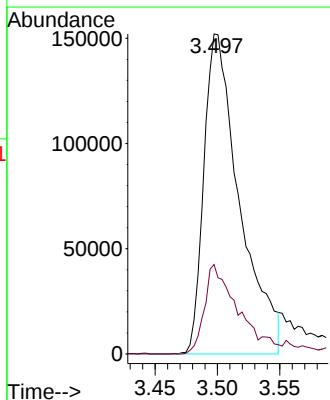
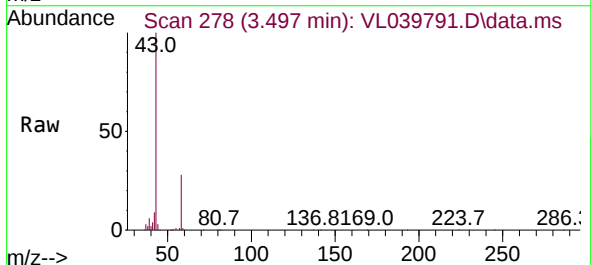
Manual Integrations
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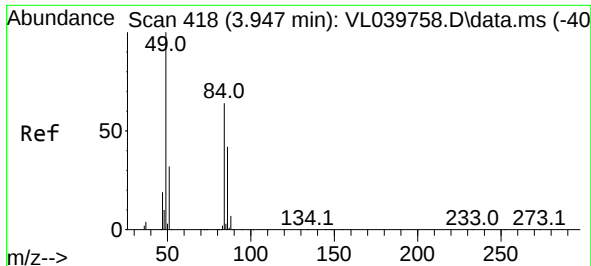
Reviewed By :Semsettin Yesilyurt 10/28/2022
Supervised By :Mahesh Dadoda 10/31/2022



#15
Acetone
Concen: 2.865 ppbv
RT: 3.497 min Scan# 278
Delta R.T. 0.013 min
Lab File: VL039791.D
Acq: 25 Oct 2022 17:13

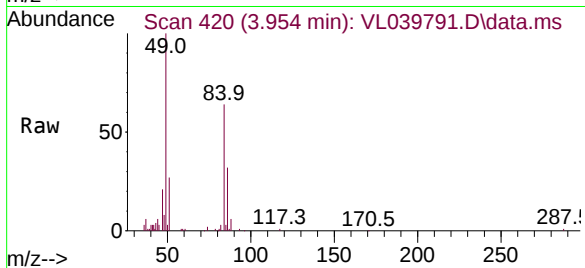
Tgt Ion: 43 Resp: 302892
Ion Ratio Lower Upper
43 100
58 31.3 20.7 31.1





#20
Methylene Chloride
Concen: 1.063 ppbv
RT: 3.954 min Scan# 418
Delta R.T. 0.006 min
Lab File: VL039791.D
Acq: 25 Oct 2022 17:13

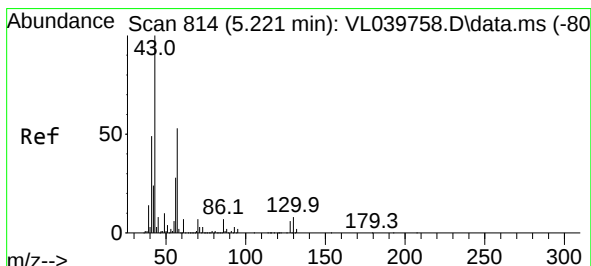
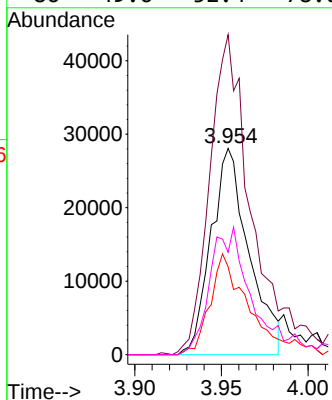
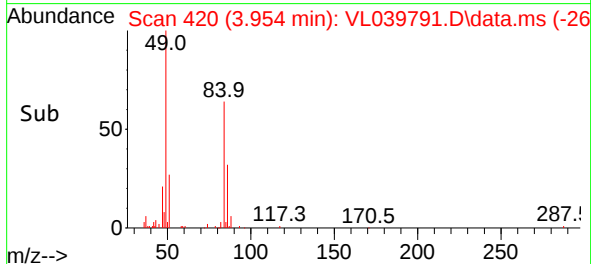
Instrument :
MSVOA_L
ClientSampleId :
AA-1DUP



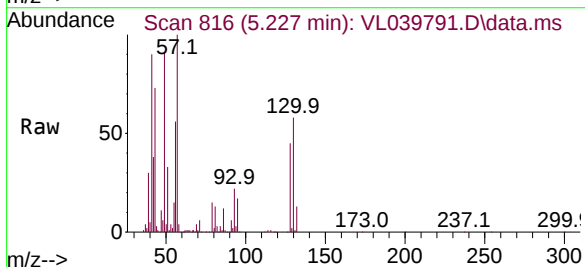
Tgt Ion: 84 Resp: 42770
Ion Ratio Lower Upper
84 100
49 153.6 126.0 189.0
51 42.6 40.9 61.3
86 49.6 52.4 78.6#

Manual Integrations
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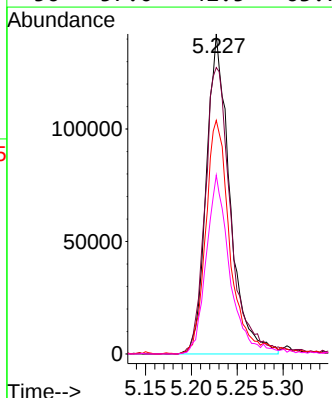
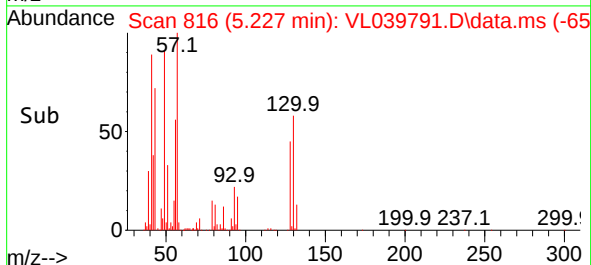
Reviewed By :Semsettin Yesilyurt 10/28/2022
Supervised By :Mahesh Dadoda 10/31/2022

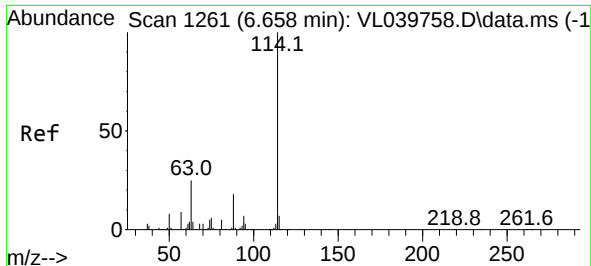


#26
Hexane
Concen: 2.952 ppbv
RT: 5.227 min Scan# 816
Delta R.T. 0.006 min
Lab File: VL039791.D
Acq: 25 Oct 2022 17:13



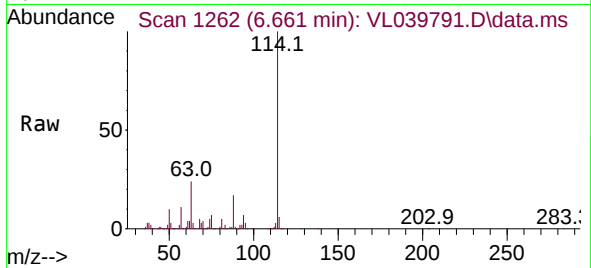
Tgt Ion: 57 Resp: 253722
Ion Ratio Lower Upper
57 100
41 99.1 76.1 114.1
43 76.0 197.1 295.7#
56 57.0 42.5 63.7





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.661 min Scan# 1261
Delta R.T. 0.003 min
Lab File: VL039791.D
Acq: 25 Oct 2022 17:13

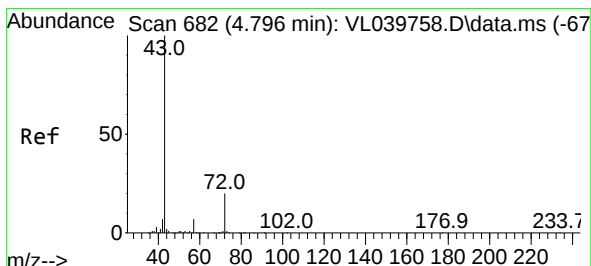
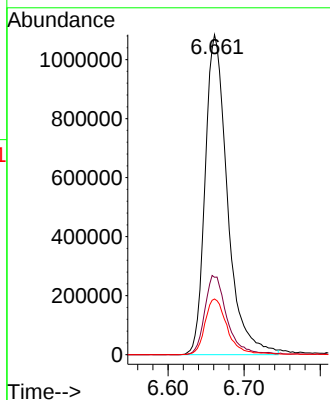
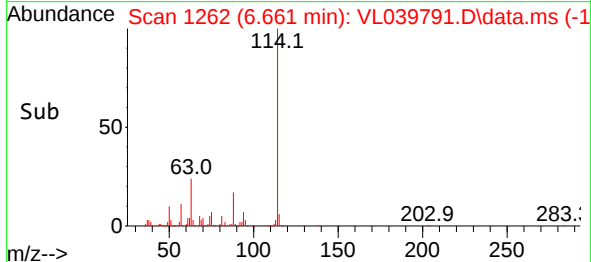
Instrument :
MSVOA_L
ClientSampleId :
AA-1DUP



Tgt Ion:114 Resp: 221422
Ion Ratio Lower Upper
114 100
63 24.9 20.1 30.1
88 17.6 14.5 21.7

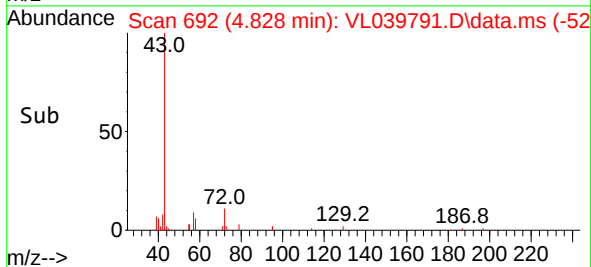
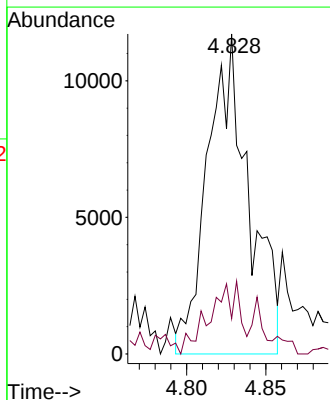
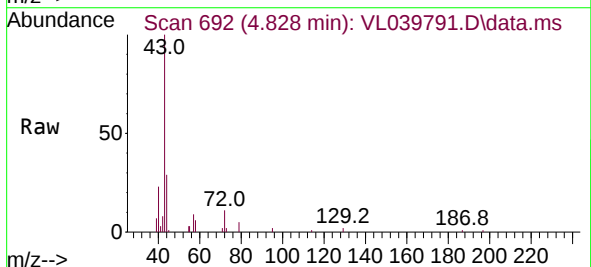
Manual Integrations
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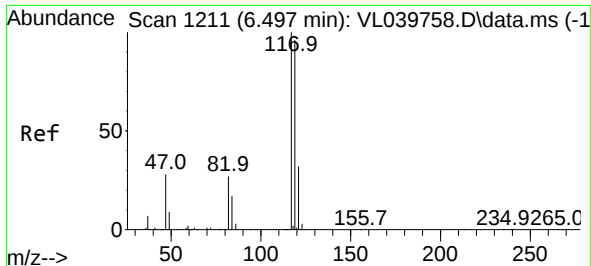
Reviewed By :Semsettin Yesilyurt 10/28/2022
Supervised By :Mahesh Dadoda 10/31/2022



#34
2-Butanone
Concen: 0.204 ppbv m
RT: 4.828 min Scan# 692
Delta R.T. 0.032 min
Lab File: VL039791.D
Acq: 25 Oct 2022 17:13

Tgt Ion: 43 Resp: 21229
Ion Ratio Lower Upper
43 100
72 23.0 16.5 24.7





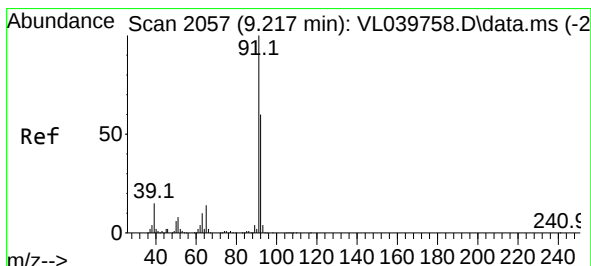
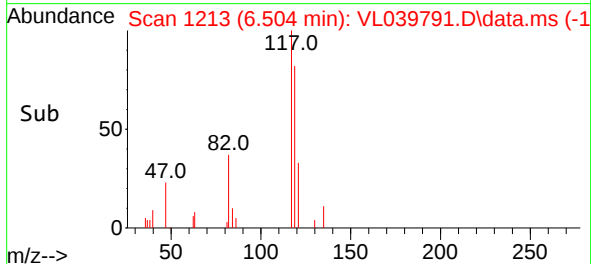
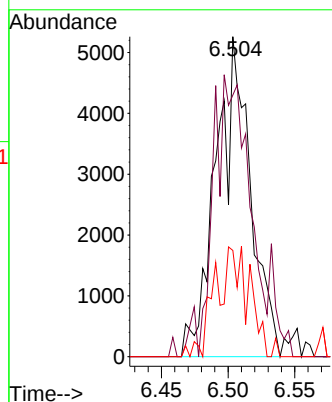
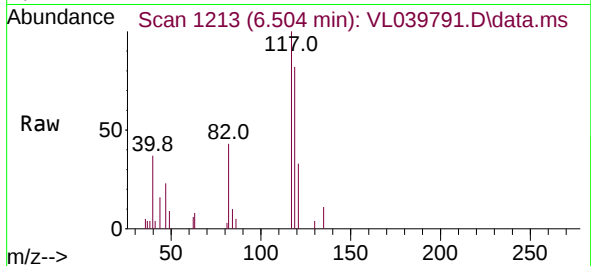
#35
Carbon Tetrachloride
Concen: 0.075 ppbv m
RT: 6.504 min Scan# 117
Delta R.T. 0.006 min
Lab File: VL039791.D
Acq: 25 Oct 2022 17:13

Instrument : MSVOA_L
ClientSampleId : AA-1DUP

Tgt Ion: 117 Resp: 9500
Ion Ratio Lower Upper
117 100
119 81.7 76.6 115.0
121 33.2 25.3 37.9

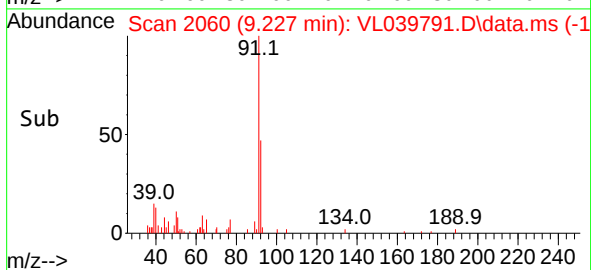
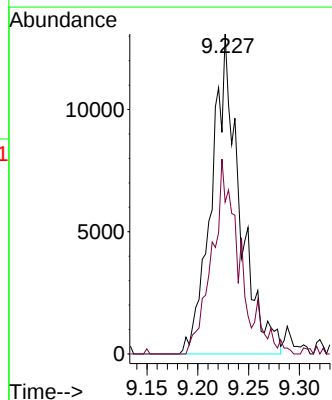
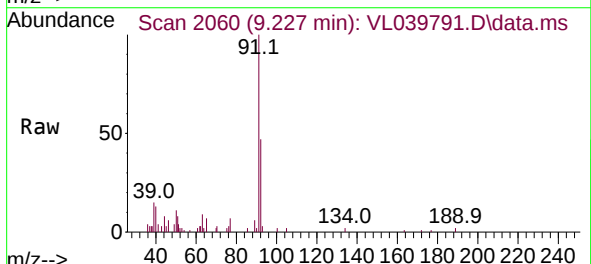
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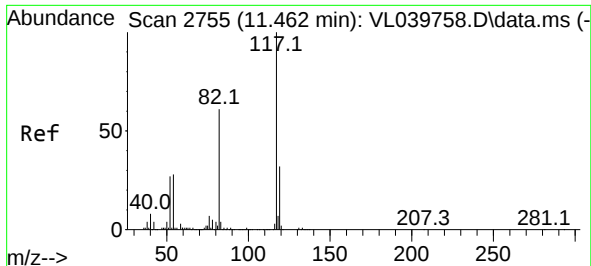
Reviewed By : Semsettin Yesilyurt 10/28/2022
Supervised By : Mahesh Dadoda 10/31/2022



#53
Toluene
Concen: 0.142 ppbv m
RT: 9.227 min Scan# 2060
Delta R.T. 0.010 min
Lab File: VL039791.D
Acq: 25 Oct 2022 17:13

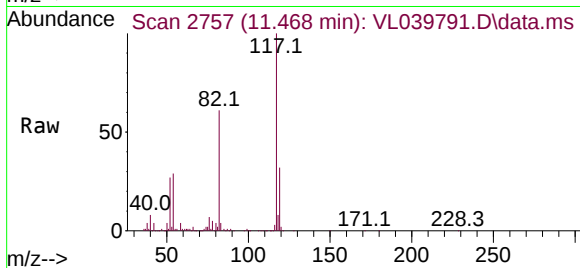
Tgt Ion: 91 Resp: 25305
Ion Ratio Lower Upper
91 100
92 0.0 48.0 72.0#





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.468 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL039791.D
Acq: 25 Oct 2022 17:13

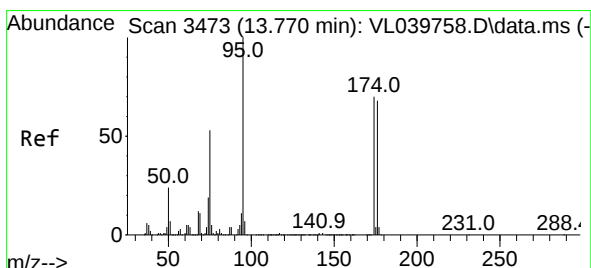
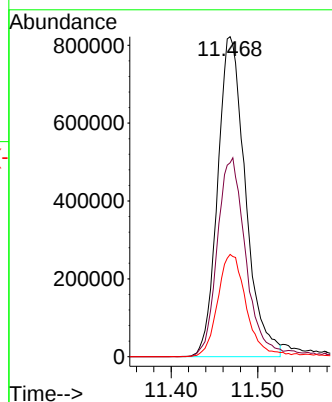
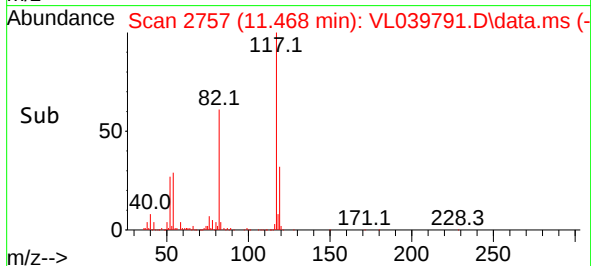
Instrument :
MSVOA_L
ClientSampleId :
AA-1DUP



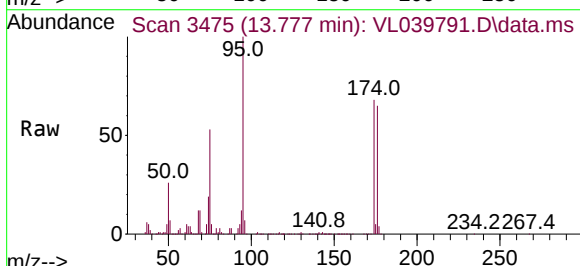
Tgt Ion:117 Resp: 183236
Ion Ratio Lower Upper
117 100
82 65.9 49.9 74.9
119 33.6 25.2 37.8

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/28/2022
Supervised By :Mahesh Dadoda 10/31/2022



#68
1-Bromo-4-Fluorobenzene
Concen: 9.971 ppbv
RT: 13.777 min Scan# 3475
Delta R.T. 0.006 min
Lab File: VL039791.D
Acq: 25 Oct 2022 17:13



Tgt Ion: 95 Resp: 1299767
Ion Ratio Lower Upper
95 100
174 73.5 57.3 85.9
175 5.5 4.2 6.2

