

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060424\
 Data File : VL041309.D
 Acq On : 4 Jun 2024 17:24
 Operator : SY/MD
 Sample : P2673-06
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOC-4-AMBIENT

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/05/2024
 Supervised By :Mahesh Dadoda 06/05/2024

Quant Time: Jun 05 05:28:38 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL060424AIR.M

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

QLast Update : Wed Jun 05 04:42:10 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.201	49	763029	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.658	114	1952702	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.465	117	1862119	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.773	95	1377147	9.579	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.758	85	54000m	0.443	ppbv	
3) Chlorodifluoromethane	2.703	51	34600	0.287	ppbv	96
4) Chloromethane	2.841	50	25909	0.571	ppbv	100
9) Propene	2.729	41	13065	0.304	ppbv	90
11) Trichlorofluoromethane	3.578	101	26827m	0.239	ppbv	
12) 1,1,2-Trichlorotrifluo...	4.086	101	7045m	0.089	ppbv	
13) Ethanol	3.266	45	68859m	6.162	ppbv	
15) Acetone	3.494	43	236712	2.717	ppbv	98
20) Methylene Chloride	3.951	84	723554	22.850	ppbv	99
26) Hexane	5.224	57	934083	12.052	ppbv #	41
34) 2-Butanone	4.812	43	17459	0.187	ppbv #	78
35) Carbon Tetrachloride	6.510	117	9614m	0.087	ppbv	
36) Benzene	6.378	78	9668	0.064	ppbv #	88
53) Toluene	9.224	91	25655	0.147	ppbv	90

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

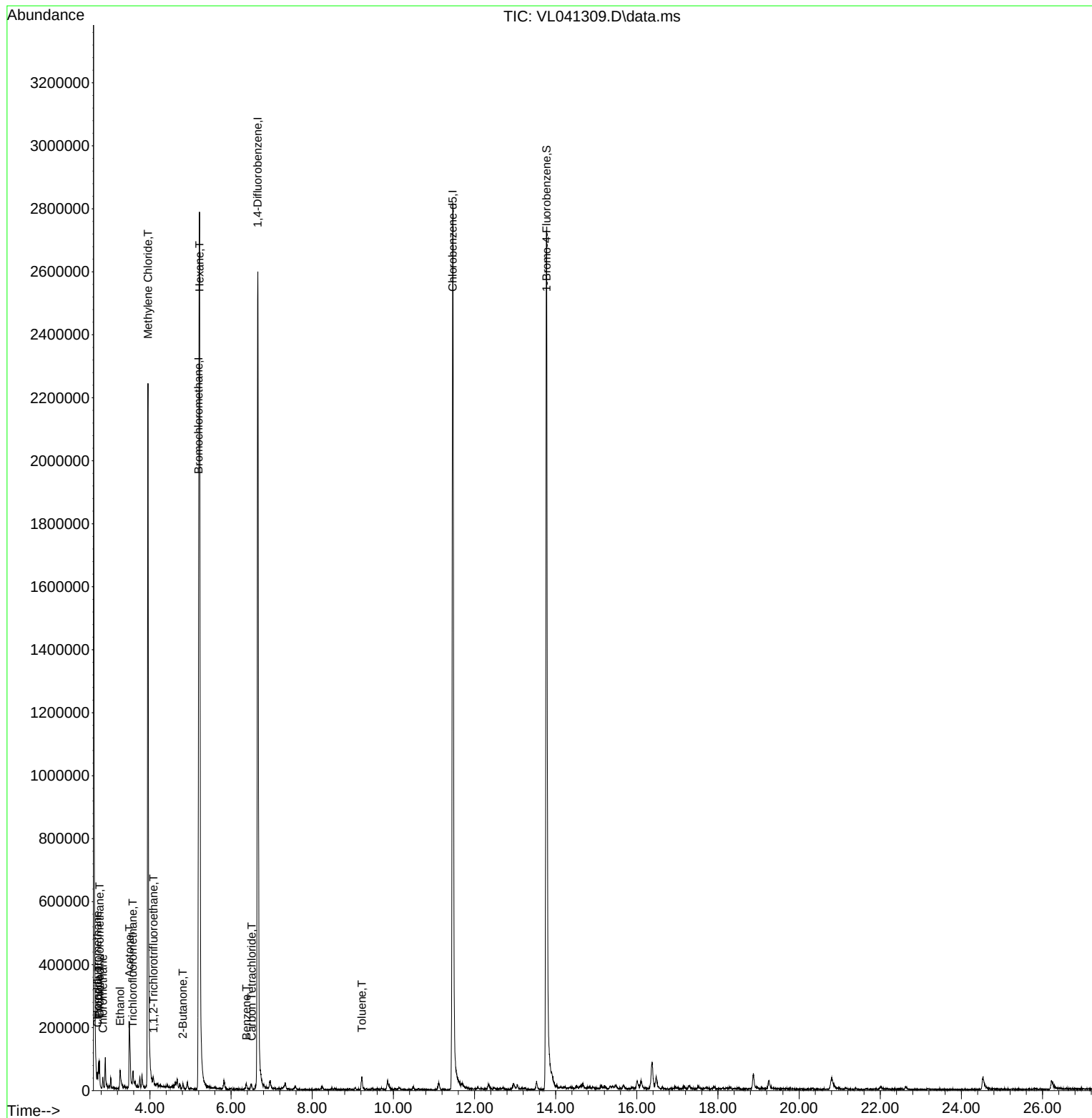
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060424\
Data File : VL041309.D
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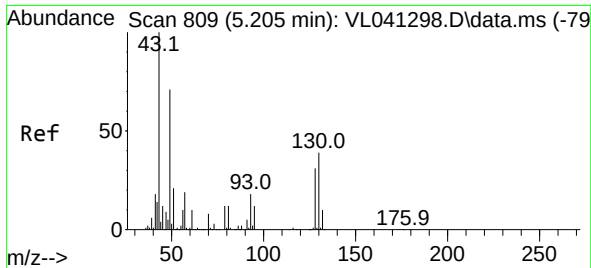
Instrument :
MSVOA_L
ClientSampleId :
LOC-4-AMBIENT

Quant Time: Jun 05 05:28:38 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL060424AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Wed Jun 05 04:42:10 2024
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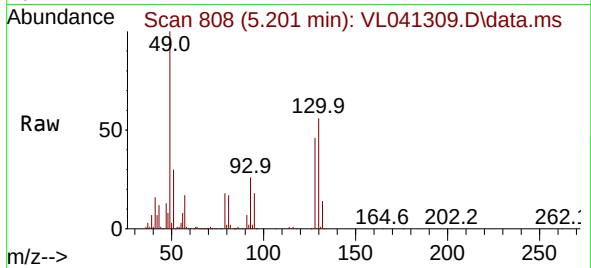
Reviewed By : Semsettin Yesilyurt 06/05/2024
Supervised By : Mahesh Dadoda 06/05/2024





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.201 min Scan# 809
Delta R.T. -0.004 min
Lab File: VL041309.D
Acq: 4 Jun 2024 17:24

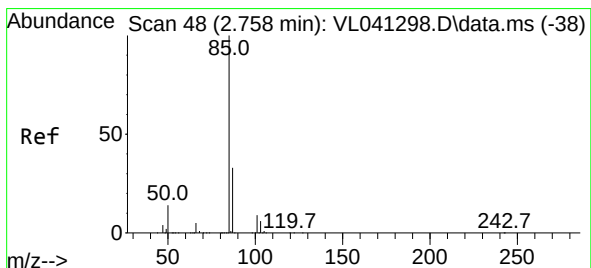
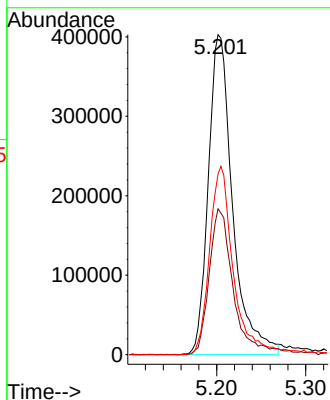
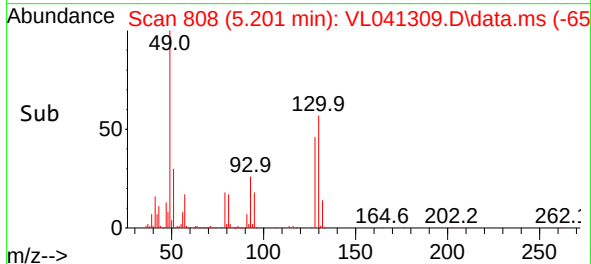
Instrument :
MSVOA_L
ClientSampleId :
LOC-4-AMBIENT



Tgt Ion: 49 Resp: 763029
Ion Ratio Lower Upper
49 100
128 46.0 22.8 68.3
130 60.3 28.4 85.3

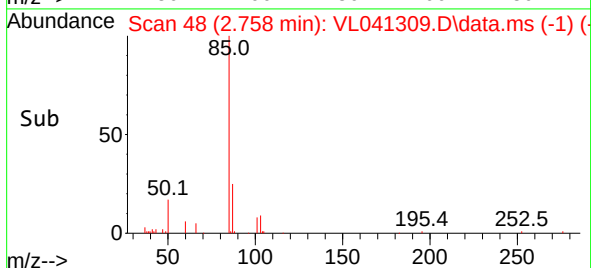
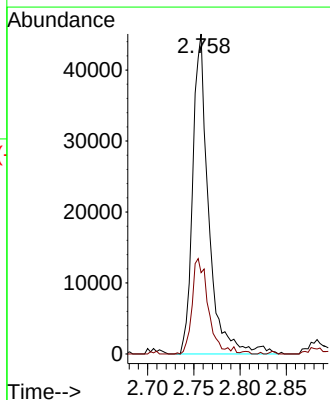
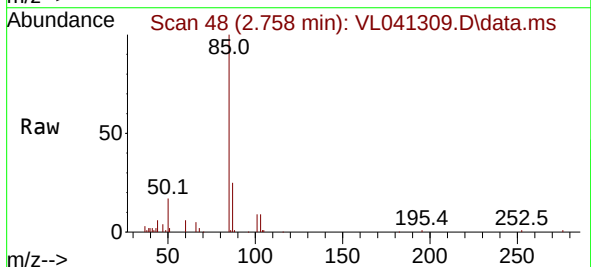
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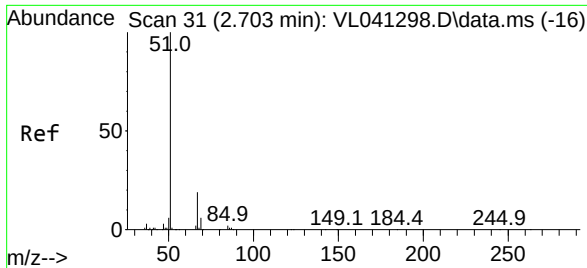
Reviewed By :Semsettin Yesilyurt 06/05/2024
Supervised By :Mahesh Dadoda 06/05/2024



#2
Dichlorodifluoromethane
Concen: 0.443 ppbv m
RT: 2.758 min Scan# 48
Delta R.T. 0.000 min
Lab File: VL041309.D
Acq: 4 Jun 2024 17:24

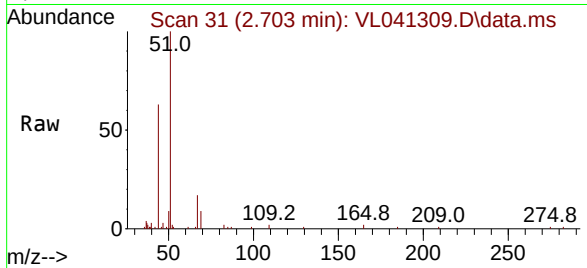
Tgt Ion: 85 Resp: 54000
Ion Ratio Lower Upper
85 100
87 25.4 26.5 39.7





#3
Chlorodifluoromethane
Concen: 0.287 ppbv
RT: 2.703 min Scan# 31
Delta R.T. 0.000 min
Lab File: VL041309.D
Acq: 4 Jun 2024 17:24

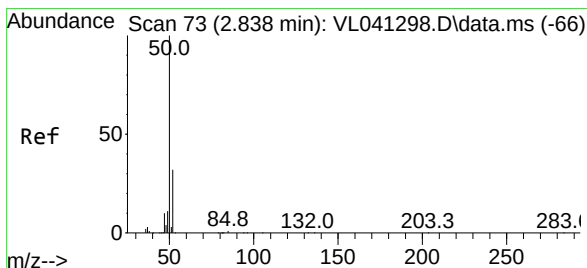
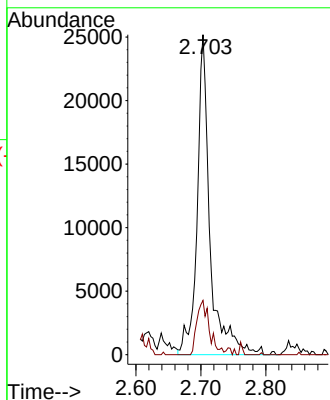
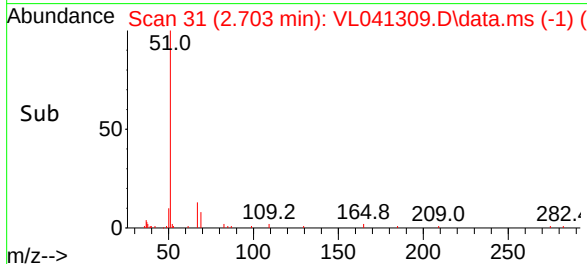
Instrument :
MSVOA_L
ClientSampleId :
LOC-4-AMBIENT



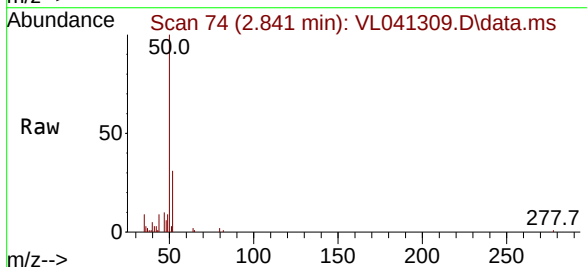
Tgt Ion: 51 Resp: 34600
Ion Ratio Lower Upper
51 100
67 16.5 14.7 22.1

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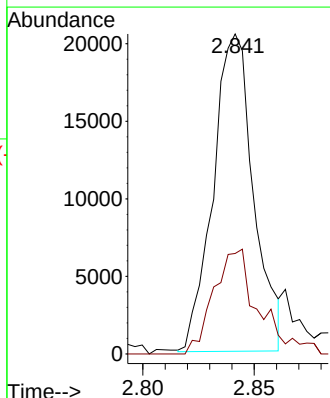
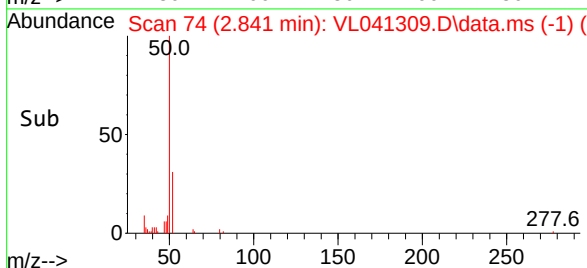
Reviewed By :Semsettin Yesilyurt 06/05/2024
Supervised By :Mahesh Dadoda 06/05/2024

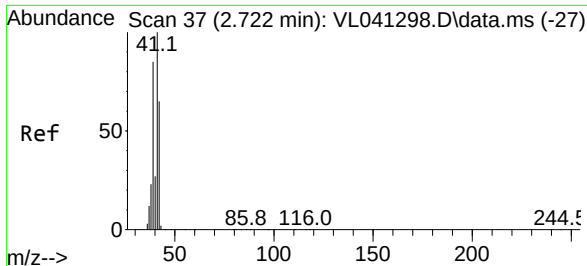


#4
Chloromethane
Concen: 0.571 ppbv
RT: 2.841 min Scan# 74
Delta R.T. 0.003 min
Lab File: VL041309.D
Acq: 4 Jun 2024 17:24



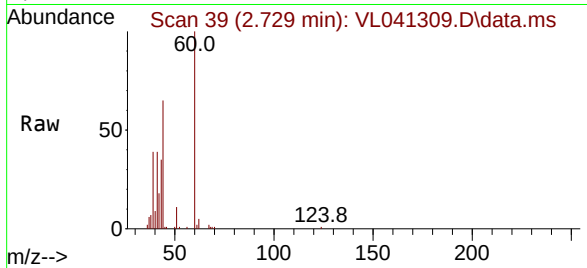
Tgt Ion: 50 Resp: 25909
Ion Ratio Lower Upper
50 100
52 31.8 25.6 38.4





#9
Propene
Concen: 0.304 ppbv
RT: 2.729 min Scan# 39
Delta R.T. 0.006 min
Lab File: VL041309.D
Acq: 4 Jun 2024 17:24

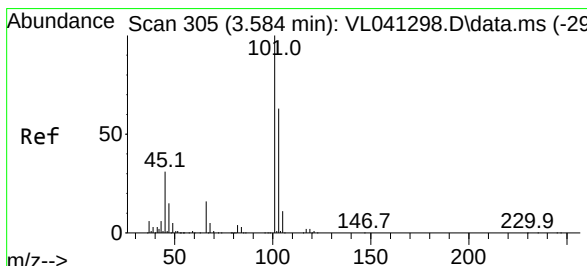
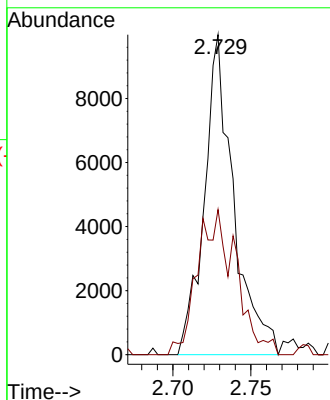
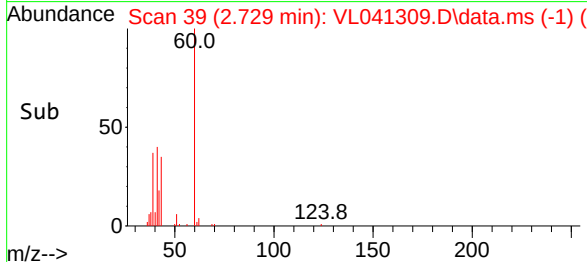
Instrument :
MSVOA_L
ClientSampleId :
LOC-4-AMBIENT



Tgt Ion: 41 Resp: 1306
Ion Ratio Lower Upper
41 100
42 61.1 55.2 82.8

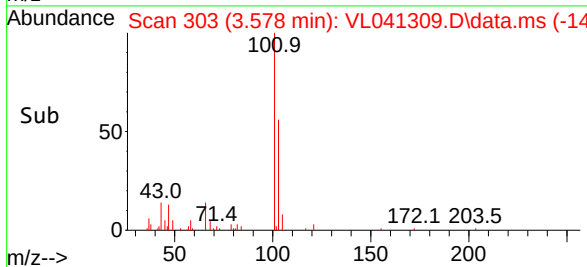
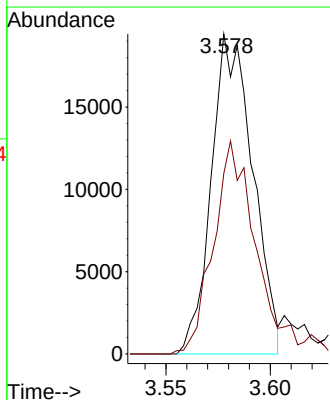
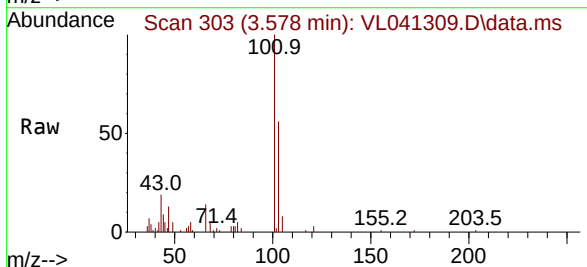
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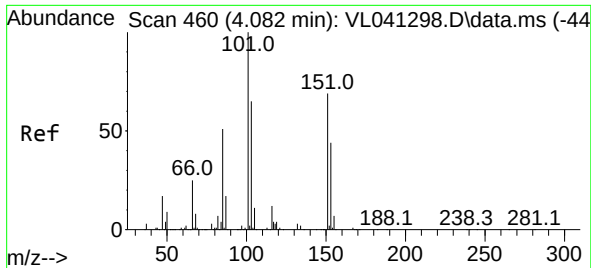
Reviewed By :Semsettin Yesilyurt 06/05/2024
Supervised By :Mahesh Dadoda 06/05/2024



#11
Trichlorofluoromethane
Concen: 0.239 ppbv m
RT: 3.578 min Scan# 303
Delta R.T. -0.006 min
Lab File: VL041309.D
Acq: 4 Jun 2024 17:24

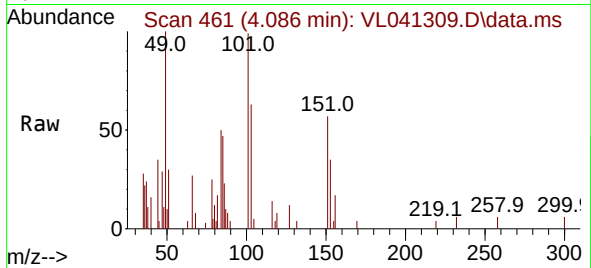
Tgt Ion:101 Resp: 26827
Ion Ratio Lower Upper
101 100
103 56.4 50.6 76.0





#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.089 ppbv m
RT: 4.086 min Scan# 40
Delta R.T. 0.003 min
Lab File: VL041309.D
Acq: 4 Jun 2024 17:24

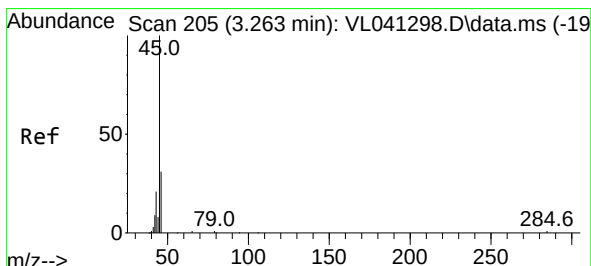
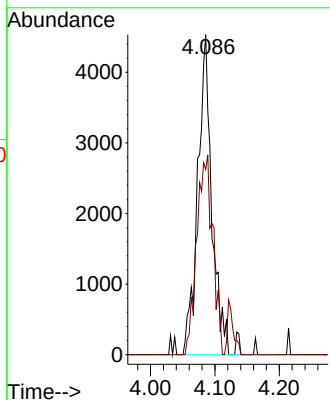
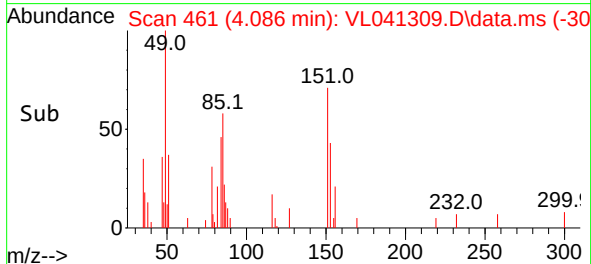
Instrument :
MSVOA_L
ClientSampleId :
LOC-4-AMBIENT



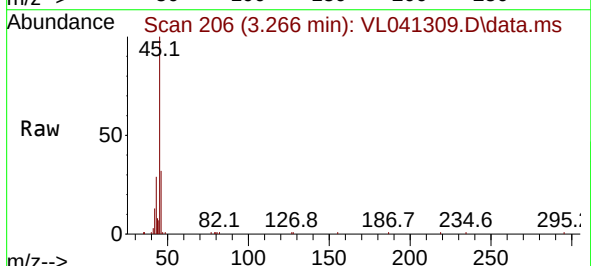
Tgt Ion:101 Resp: 7049
Ion Ratio Lower Upper
101 100
151 70.0 54.8 82.2

Manual Integrations
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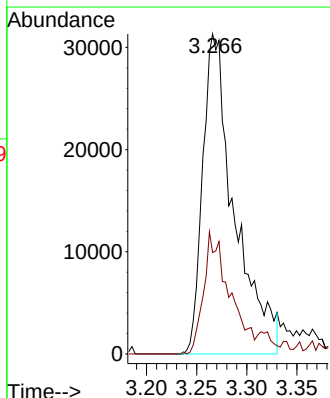
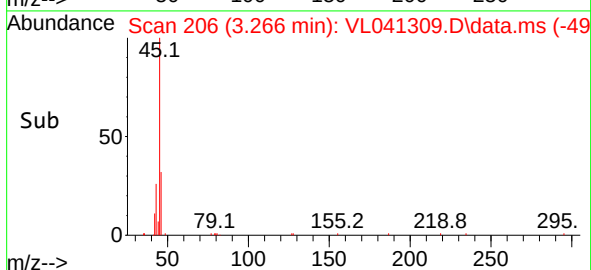
Reviewed By :Semsettin Yesilyurt 06/05/2024
Supervised By :Mahesh Dadoda 06/05/2024

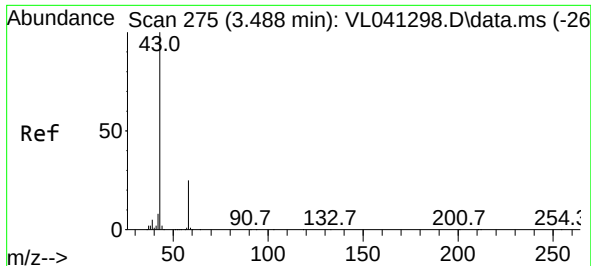


#13
Ethanol
Concen: 6.162 ppbv m
RT: 3.266 min Scan# 206
Delta R.T. 0.003 min
Lab File: VL041309.D
Acq: 4 Jun 2024 17:24



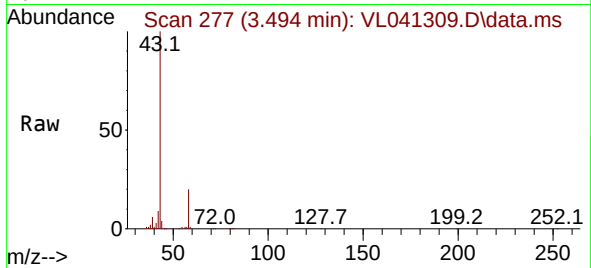
Tgt Ion: 45 Resp: 68859
Ion Ratio Lower Upper
45 100
46 36.8 14.2 56.6





#15
Acetone
Concen: 2.717 ppbv
RT: 3.494 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL041309.D
Acq: 4 Jun 2024 17:24

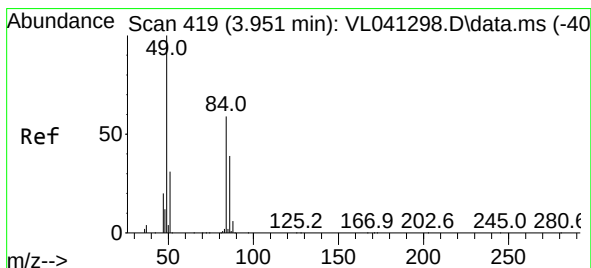
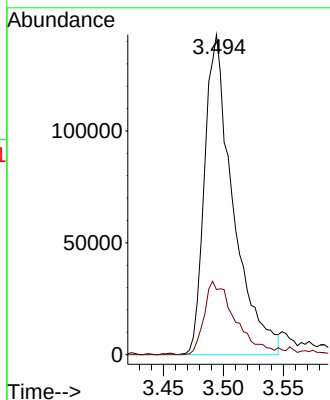
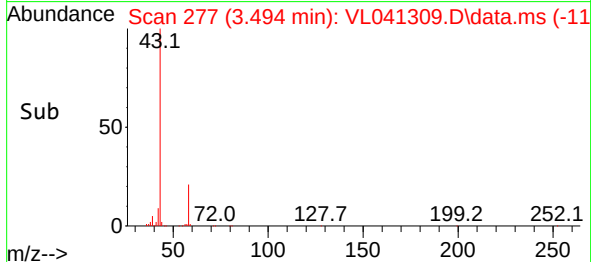
Instrument :
MSVOA_L
ClientSampleId :
LOC-4-AMBIENT



Tgt Ion: 43 Resp: 236712
Ion Ratio Lower Upper
43 100
58 26.8 20.6 31.0

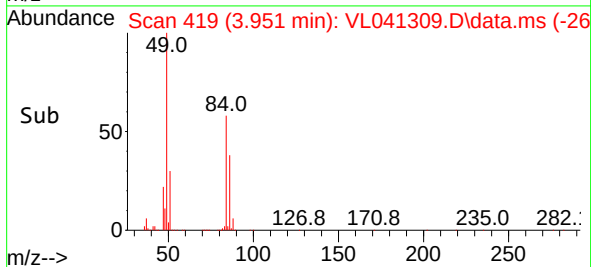
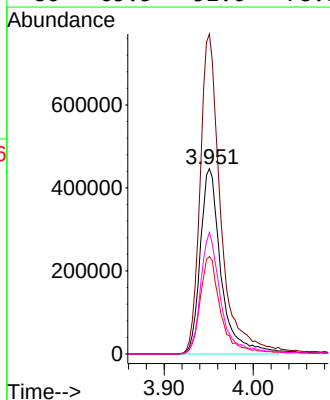
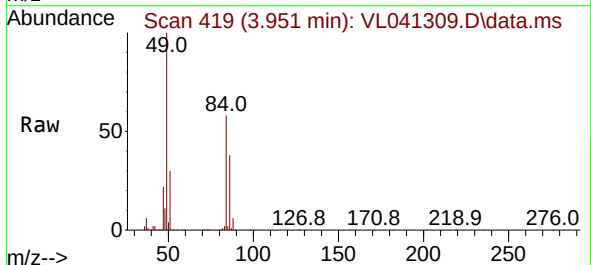
Manual Integrations
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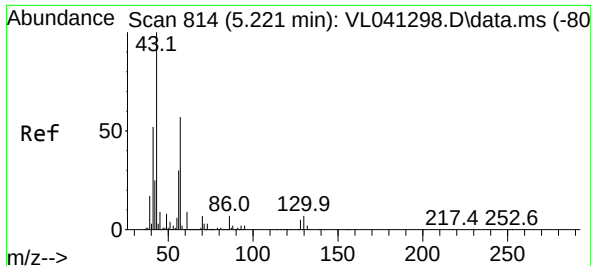
Reviewed By :Semsettin Yesilyurt 06/05/2024
Supervised By :Mahesh Dadoda 06/05/2024



#20
Methylene Chloride
Concen: 22.850 ppbv
RT: 3.951 min Scan# 419
Delta R.T. 0.000 min
Lab File: VL041309.D
Acq: 4 Jun 2024 17:24

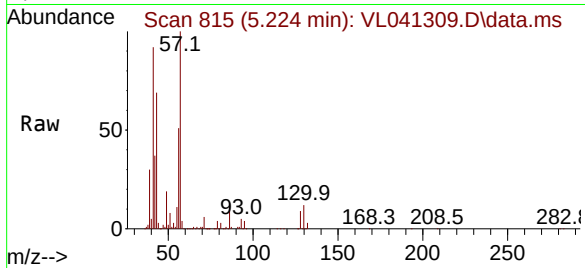
Tgt Ion: 84 Resp: 723554
Ion Ratio Lower Upper
84 100
49 172.6 136.2 204.2
51 52.6 41.9 62.9
86 65.5 52.6 78.8





#26
Hexane
Concen: 12.052 ppbv
RT: 5.224 min Scan# 814
Delta R.T. 0.003 min
Lab File: VL041309.D
Acq: 4 Jun 2024 17:24

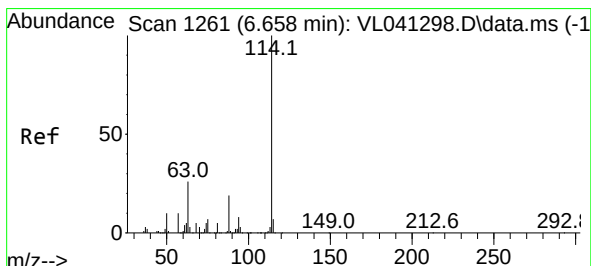
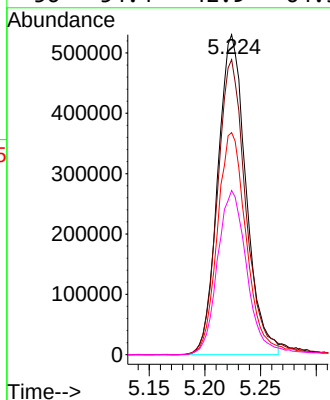
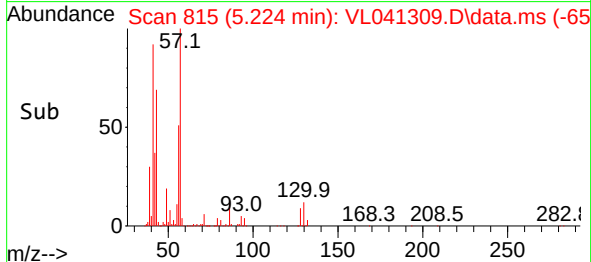
Instrument :
MSVOA_L
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LOC-4-AMBIENT



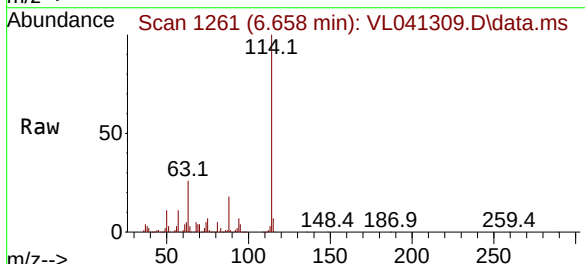
Tgt Ion: 57 Resp: 934083
Ion Ratio Lower Upper
57 100
41 95.1 77.1 115.7
43 73.0 186.1 279.1
56 54.4 42.9 64.3

Manual Integrations
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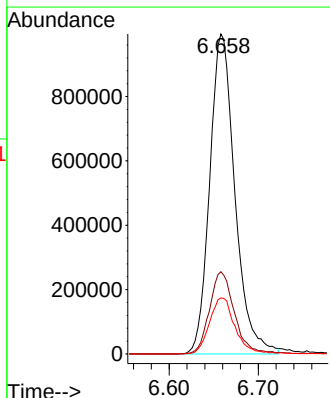
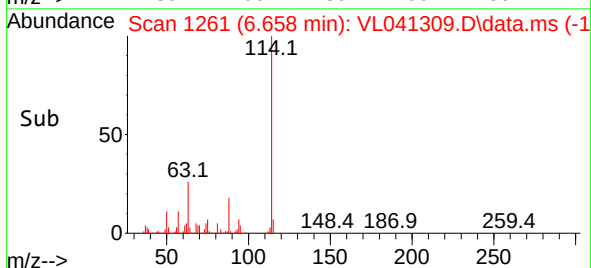
Reviewed By :Semsettin Yesilyurt 06/05/2024
Supervised By :Mahesh Dadoda 06/05/2024

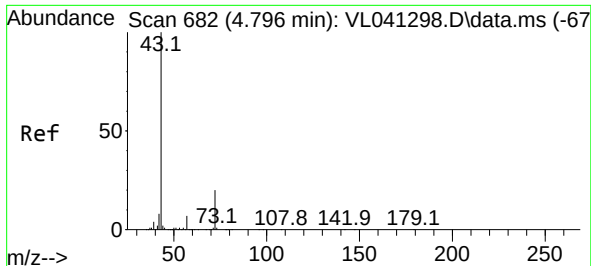


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.658 min Scan# 1261
Delta R.T. 0.000 min
Lab File: VL041309.D
Acq: 4 Jun 2024 17:24



Tgt Ion:114 Resp: 1952702
Ion Ratio Lower Upper
114 100
63 25.8 20.6 30.8
88 18.1 14.5 21.7





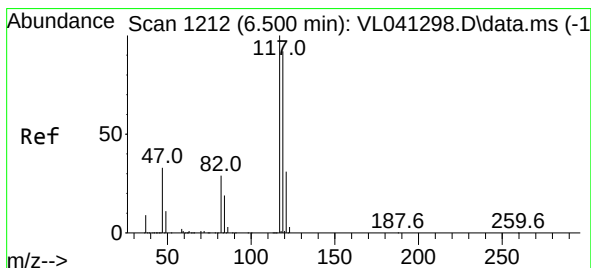
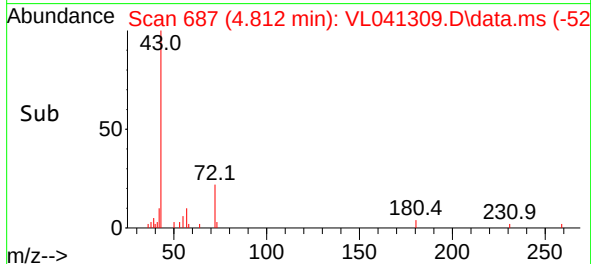
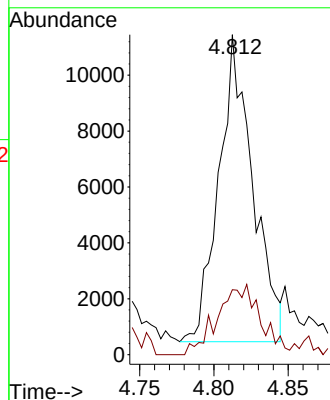
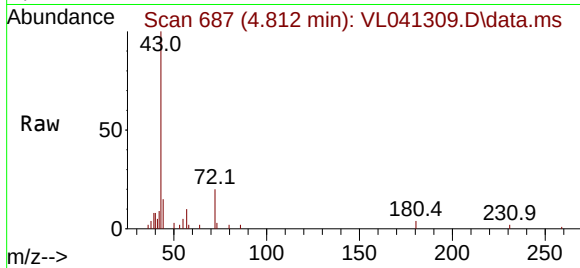
#34
2-Butanone
Concen: 0.187 ppbv
RT: 4.812 min Scan# 682
Delta R.T. 0.016 min
Lab File: VL041309.D
Acq: 4 Jun 2024 17:24

Instrument :
MSVOA_L
ClientSampleId :
LOC-4-AMBIENT

Tgt Ion: 43 Resp: 1745
Ion Ratio Lower Upper
43 100
72 32.0 17.4 26.0

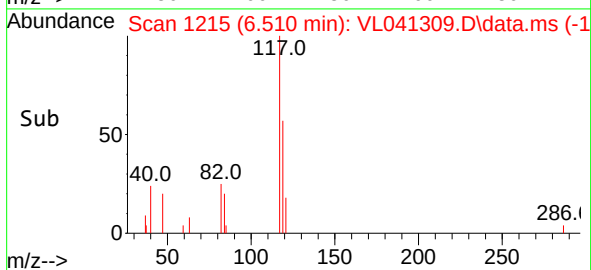
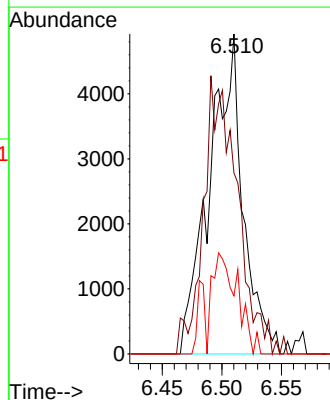
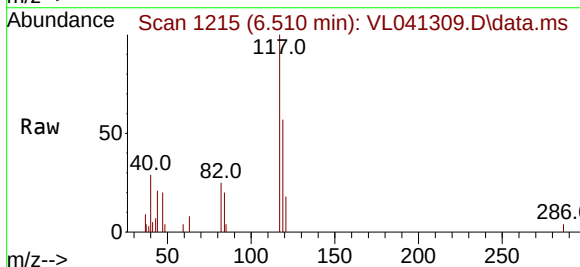
Manual Integrations
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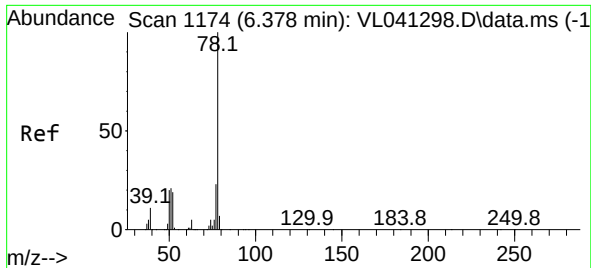
Reviewed By :Semsettin Yesilyurt 06/05/2024
Supervised By :Mahesh Dadoda 06/05/2024



#35
Carbon Tetrachloride
Concen: 0.087 ppbv m
RT: 6.510 min Scan# 1215
Delta R.T. 0.010 min
Lab File: VL041309.D
Acq: 4 Jun 2024 17:24

Tgt Ion:117 Resp: 9614
Ion Ratio Lower Upper
117 100
119 56.6 74.0 111.0#
121 18.1 24.8 37.2#





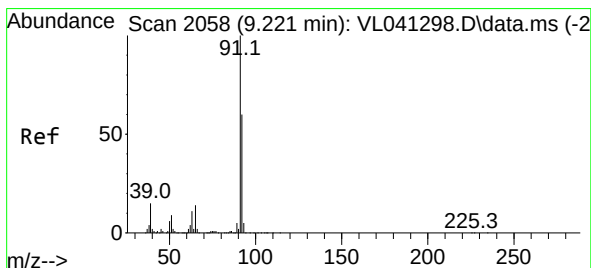
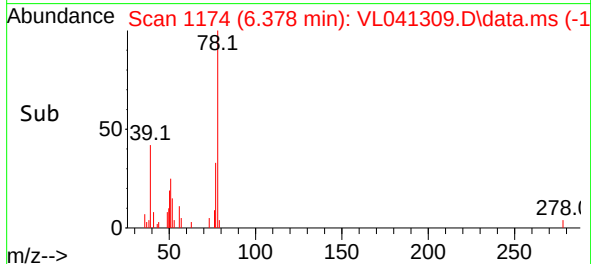
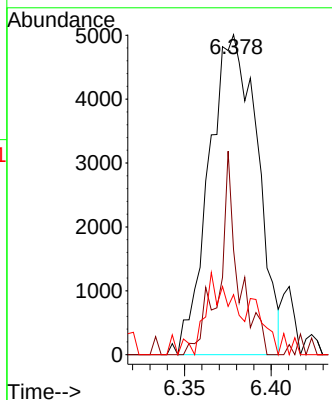
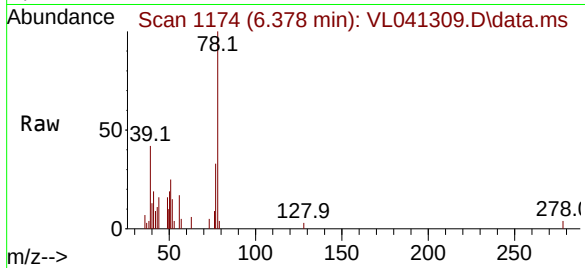
#36
Benzene
Concen: 0.064 ppbv
RT: 6.378 min Scan# 1174
Delta R.T. 0.000 min
Lab File: VL041309.D
Acq: 4 Jun 2024 17:24

Instrument :
MSVOA_L
ClientSampleId :
LOC-4-AMBIENT

Tgt Ion: 78 Resp: 9668
Ion Ratio Lower Upper
78 100
77 32.8 18.6 28.0
50 18.7 16.0 24.0

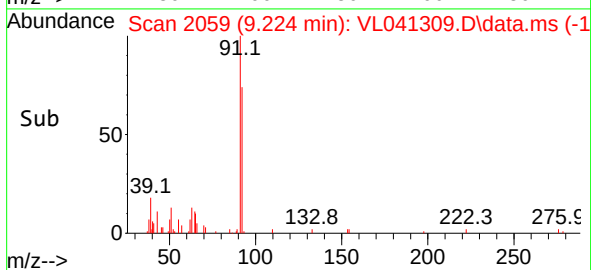
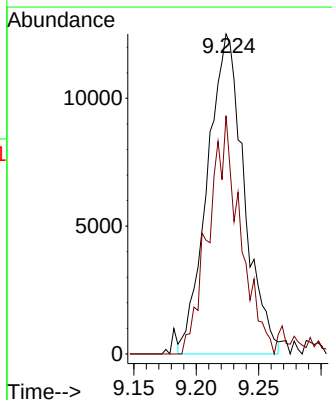
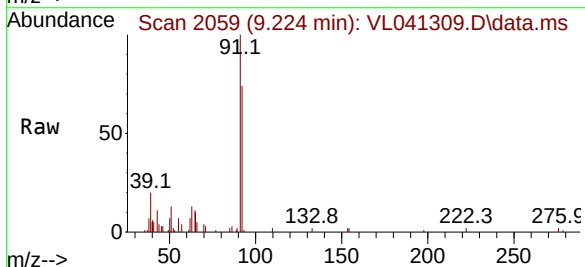
Manual Integrations
APPROVED

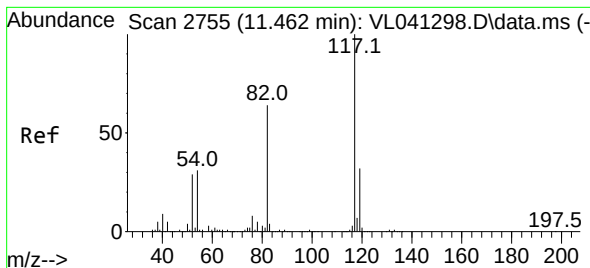
Reviewed By :Semsettin Yesilyurt 06/05/2024
Supervised By :Mahesh Dadoda 06/05/2024



#53
Toluene
Concen: 0.147 ppbv
RT: 9.224 min Scan# 2059
Delta R.T. 0.003 min
Lab File: VL041309.D
Acq: 4 Jun 2024 17:24

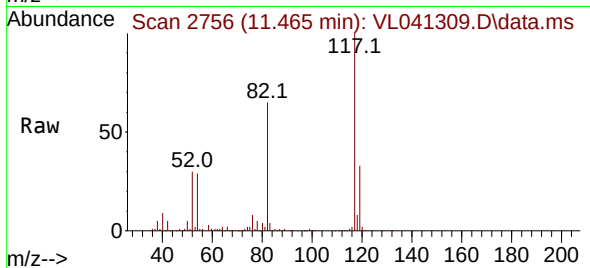
Tgt Ion: 91 Resp: 25655
Ion Ratio Lower Upper
91 100
92 68.8 49.2 73.8





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.465 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL041309.D
Acq: 4 Jun 2024 17:24

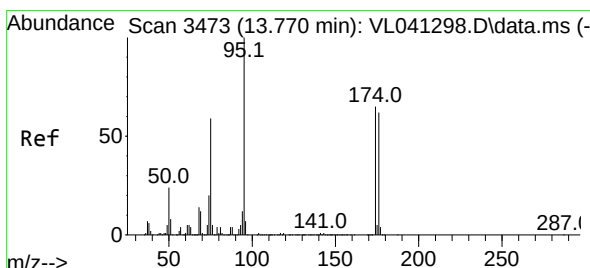
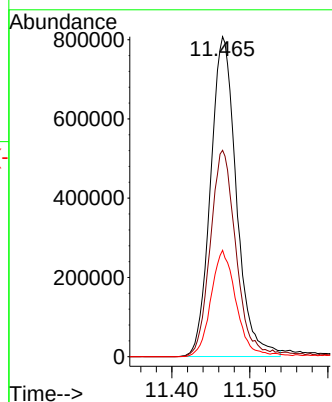
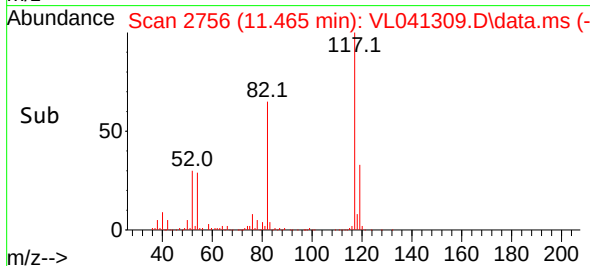
Instrument :
MSVOA_L
ClientSampleId :
LOC-4-AMBIENT



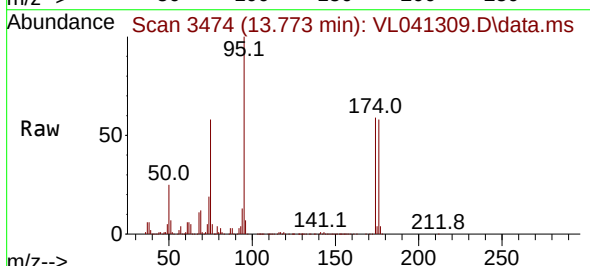
Tgt Ion: 117 Resp: 1862119
Ion Ratio Lower Upper
117 100
82 66.0 52.3 78.5
119 33.6 26.2 39.2

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/05/2024
Supervised By :Mahesh Dadoda 06/05/2024



#68
1-Bromo-4-Fluorobenzene
Concen: 9.579 ppbv
RT: 13.773 min Scan# 3474
Delta R.T. 0.003 min
Lab File: VL041309.D
Acq: 4 Jun 2024 17:24



Tgt Ion: 95 Resp: 1377147
Ion Ratio Lower Upper
95 100
174 66.0 52.2 78.2
175 4.7 4.1 6.1

