

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110823\
 Data File : VL040814.D
 Acq On : 8 Nov 2023 17:18
 Operator : SY/MD
 Sample : 05290-02
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 11/11/2023
 Supervised By : Mahesh Dadoda 11/13/2023

Quant Time: Nov 09 00:31:30 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101123AIR.M

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

QLast Update : Thu Nov 09 00:25:02 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.208	49	1007500	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.658	114	2602377	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.462	117	2055351	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.770	95	1484356	9.815	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.100%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.768	85	105002	0.592	ppbv	97
4) Chloromethane	2.848	50	32843	0.562	ppbv #	81
9) Propene	2.739	41	79362m	1.443	ppbv	
10) Heptane	7.578	43	26166	0.189	ppbv	93
11) Trichlorofluoromethane	3.594	101	40587	0.296	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.099	101	9955m	0.102	ppbv	
13) Ethanol	3.272	45	269018	21.670	ppbv	100
15) Acetone	3.497	43	619438m	5.947	ppbv	
19) Isopropyl Alcohol	3.610	45	372740	5.559	ppbv #	44
20) Methylene Chloride	3.960	84	396855	9.147	ppbv	96
26) Hexane	5.227	57	392065	3.759	ppbv #	44
30) Cyclohexane	6.616	84	16371m	0.184	ppbv	
34) 2-Butanone	4.809	43	91289m	0.775	ppbv	
35) Carbon Tetrachloride	6.497	117	13934m	0.095	ppbv	
36) Benzene	6.378	78	88725	0.443	ppbv	95
44) 2,2,4-Trimethylpentane	7.330	57	78145m	0.231	ppbv	
53) Toluene	9.224	91	280597m	1.178	ppbv	
58) Ethyl Benzene	12.086	91	92883	0.359	ppbv	88
59) m/p-Xylene	12.339	91	290210m	1.363	ppbv	
60) o-Xylene	13.047	91	103666	0.511	ppbv	100
61) Styrene	12.896	104	32550m	0.289	ppbv	
74) 1,2,4-Trimethylbenzene	16.105	105	70860m	0.310	ppbv	

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

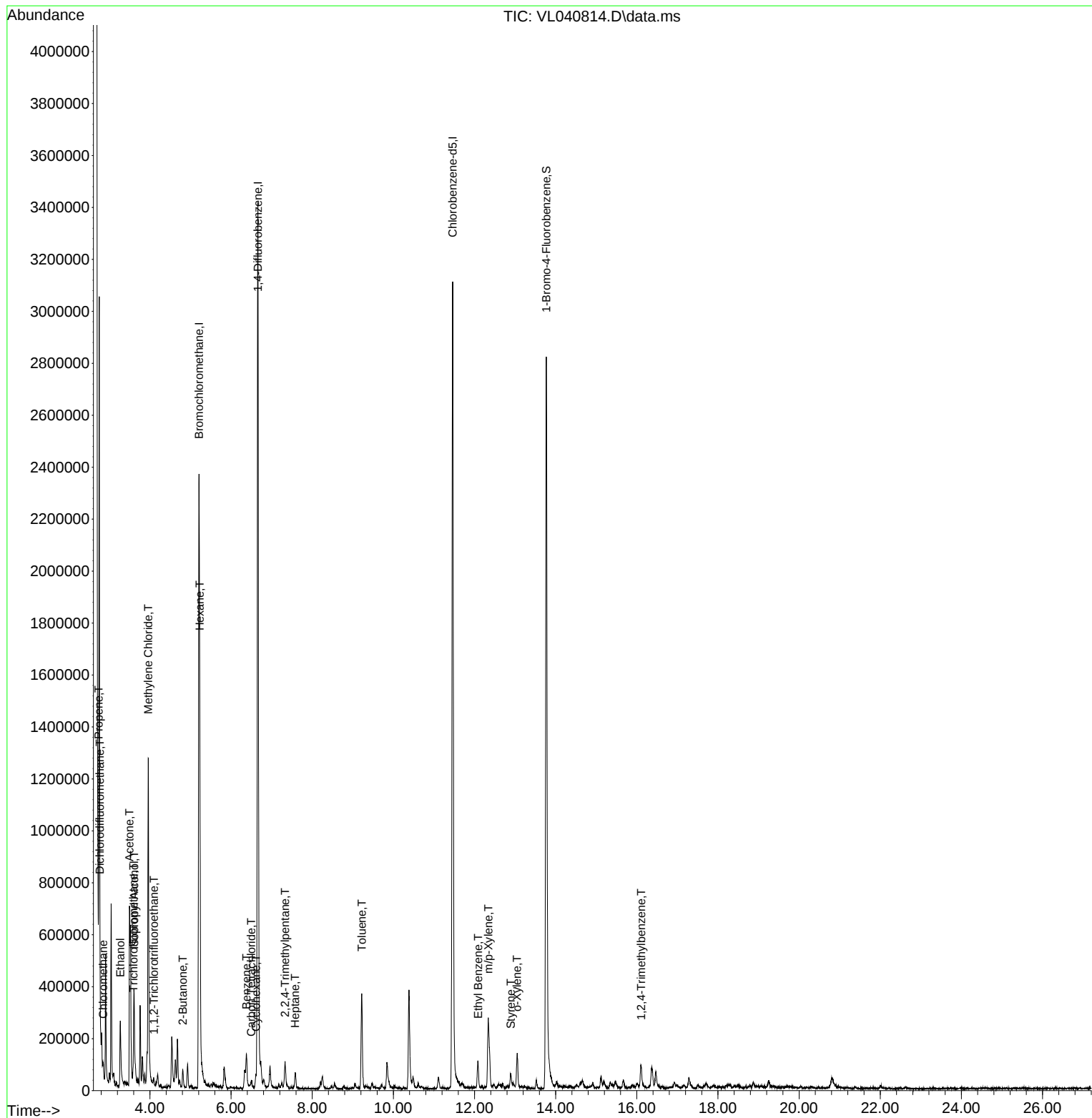
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110823\
Data File : VL040814.D
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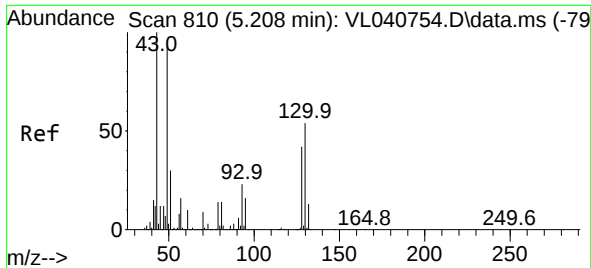
Instrument :
MSVOA_L
ClientSampleId :
IA1

Quant Time: Nov 09 00:31:30 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101123AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Thu Nov 09 00:25:02 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

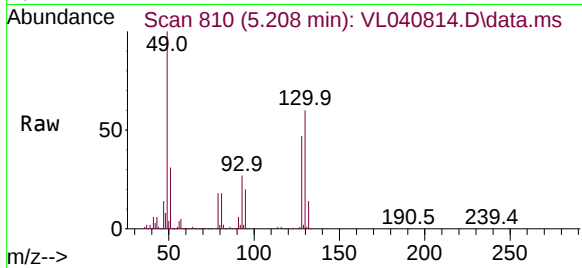
Reviewed By : Semsettin Yesilyurt 11/11/2023
Supervised By : Mahesh Dadoda 11/13/2023





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.208 min Scan# 81
Delta R.T. -0.000 min
Lab File: VL040814.D
Acq: 8 Nov 2023 17:18

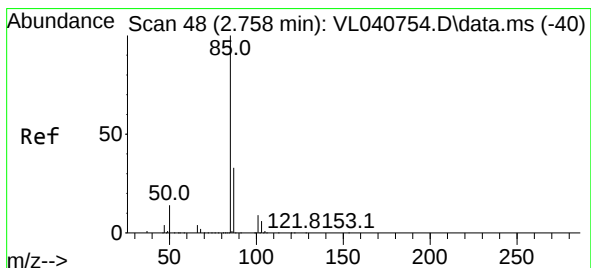
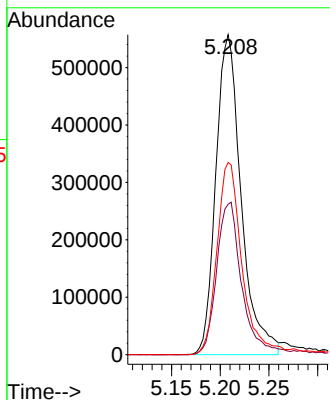
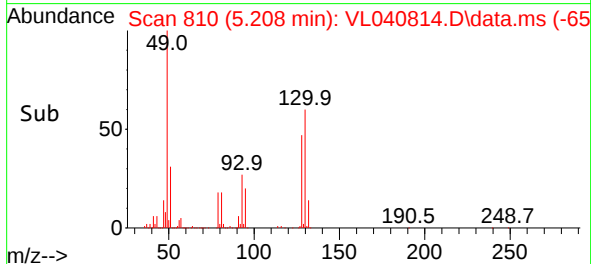
Instrument :
MSVOA_L
ClientSampleId :
IA1



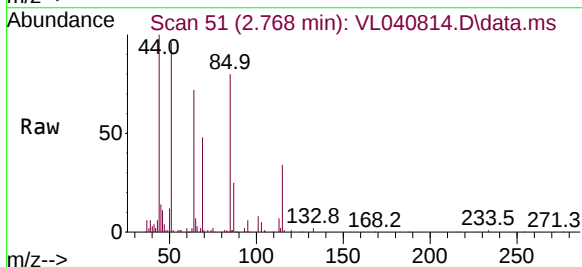
Tgt Ion: 49 Resp: 1007500
Ion Ratio Lower Upper
49 100
128 48.5 23.9 71.7
130 62.2 30.7 92.1

Manual Integrations
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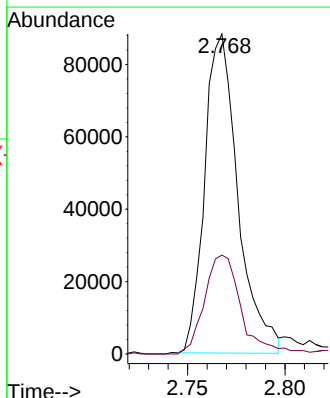
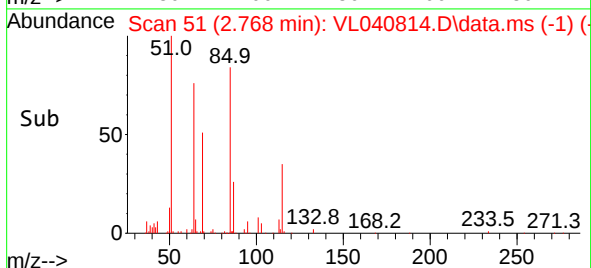
Reviewed By :Semsettin Yesilyurt 11/11/2023
Supervised By :Mahesh Dadoda 11/13/2023

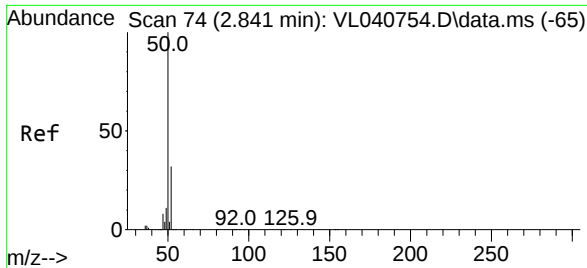


#2
Dichlorodifluoromethane
Concen: 0.592 ppbv
RT: 2.768 min Scan# 51
Delta R.T. -0.003 min
Lab File: VL040814.D
Acq: 8 Nov 2023 17:18



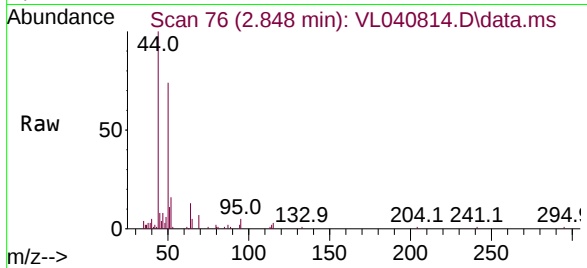
Tgt Ion: 85 Resp: 105002
Ion Ratio Lower Upper
85 100
87 31.0 26.0 39.0





#4
Chloromethane
Concen: 0.562 ppbv
RT: 2.848 min Scan# 70
Delta R.T. -0.006 min
Lab File: VL040814.D
Acq: 8 Nov 2023 17:18

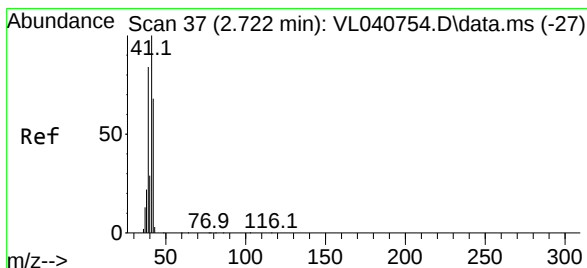
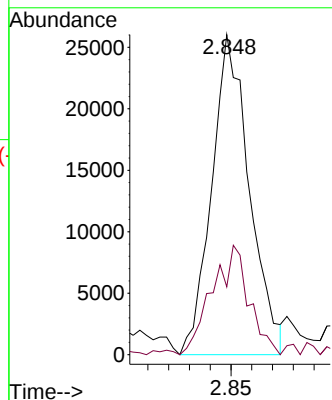
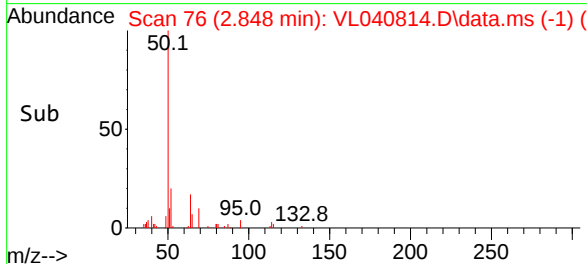
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 50 Resp: 3284
Ion Ratio Lower Upper
50 100
52 21.2 25.3 37.9

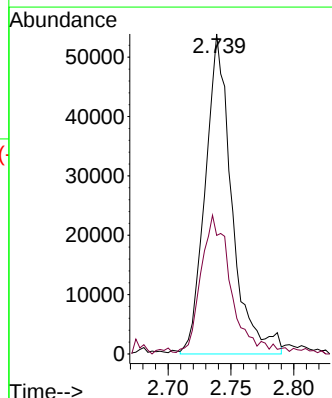
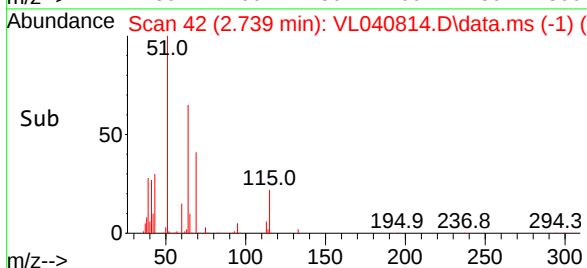
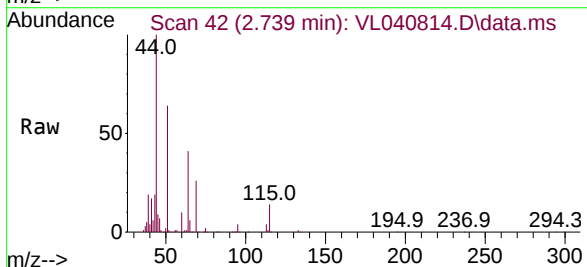
Manual Integrations
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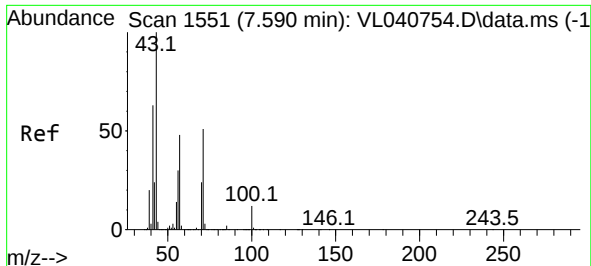
Reviewed By :Semsettin Yesilyurt 11/11/2023
Supervised By :Mahesh Dadoda 11/13/2023



#9
Propene
Concen: 1.443 ppbv m
RT: 2.739 min Scan# 42
Delta R.T. 0.003 min
Lab File: VL040814.D
Acq: 8 Nov 2023 17:18

Tgt Ion: 41 Resp: 79362
Ion Ratio Lower Upper
41 100
42 105.4 57.1 85.7





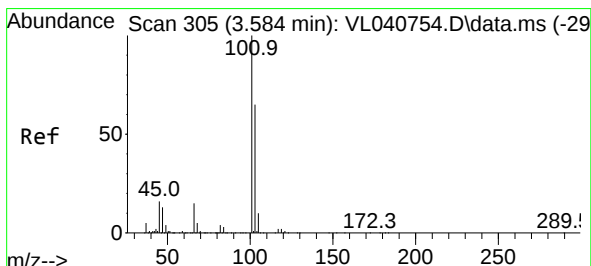
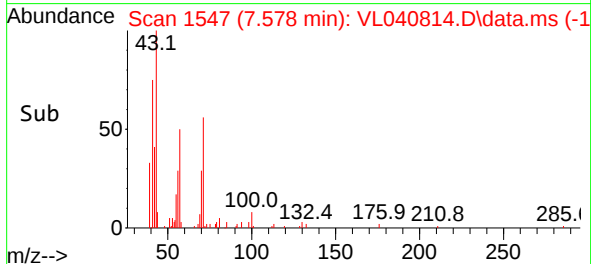
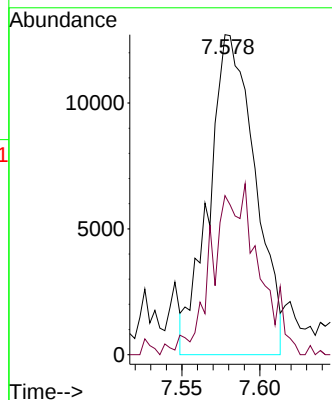
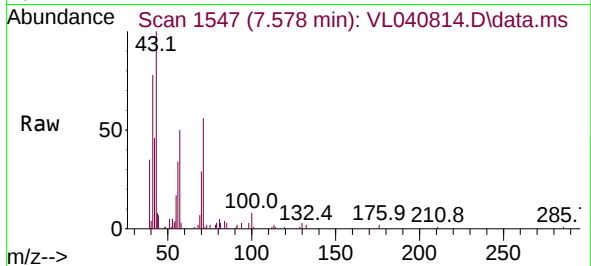
#10
Heptane
Concen: 0.189 ppbv
RT: 7.578 min Scan# 1547
Delta R.T. -0.009 min
Lab File: VL040814.D
Acq: 8 Nov 2023 17:18

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 43 Resp: 2616
Ion Ratio Lower Upper
43 100
57 55.0 40.0 60.0

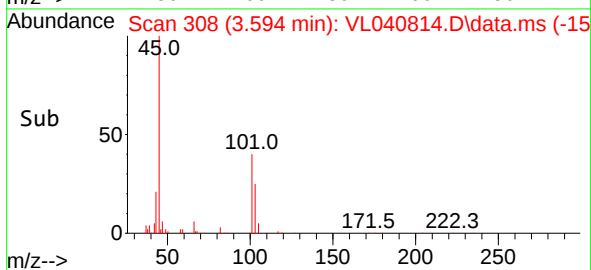
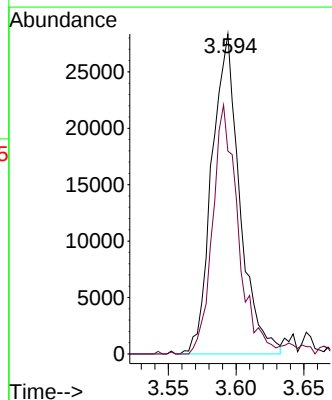
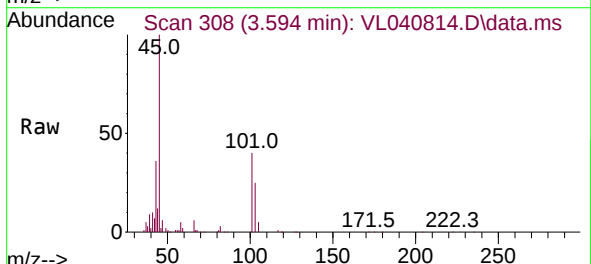
Manual Integrations
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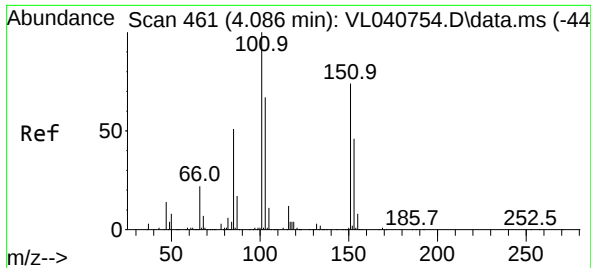
Reviewed By :Semsettin Yesilyurt 11/11/2023
Supervised By :Mahesh Dadoda 11/13/2023



#11
Trichlorofluoromethane
Concen: 0.296 ppbv
RT: 3.594 min Scan# 308
Delta R.T. 0.000 min
Lab File: VL040814.D
Acq: 8 Nov 2023 17:18

Tgt Ion:101 Resp: 40587
Ion Ratio Lower Upper
101 100
103 63.4 52.2 78.2





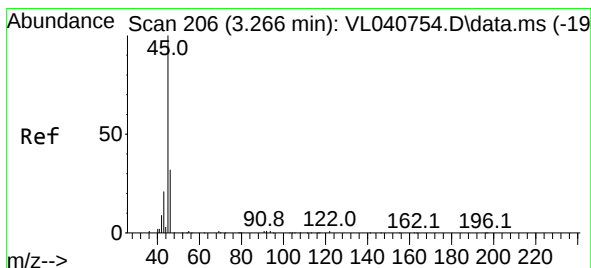
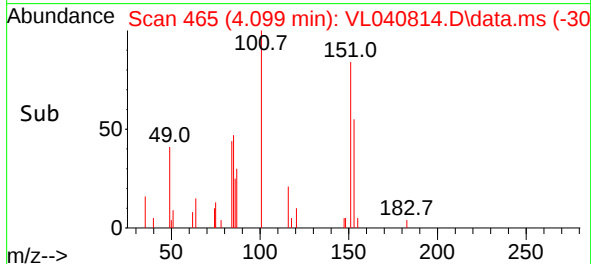
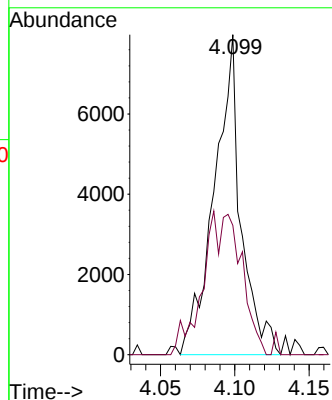
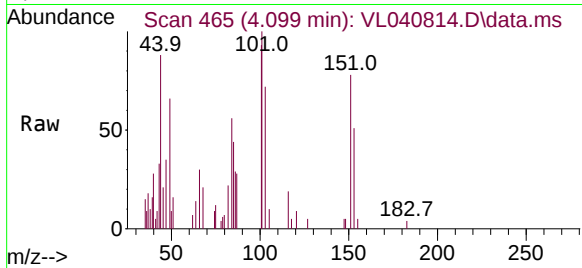
#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.102 ppbv m
RT: 4.099 min Scan# 409
Delta R.T. 0.007 min
Lab File: VL040814.D
Acq: 8 Nov 2023 17:18

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion:101 Resp: 995
Ion Ratio Lower Upper
101 100
151 65.4 58.1 87.1

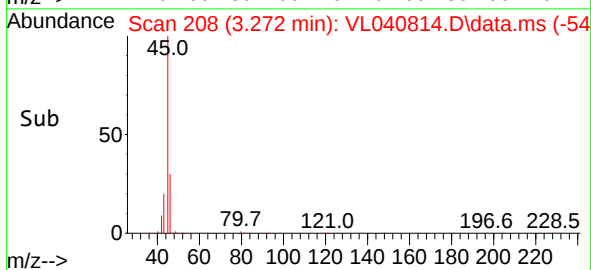
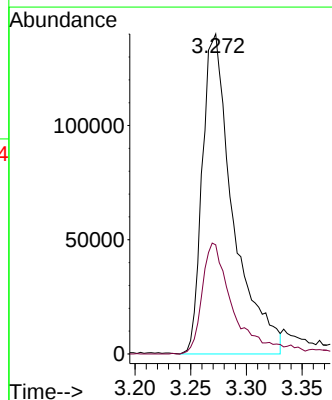
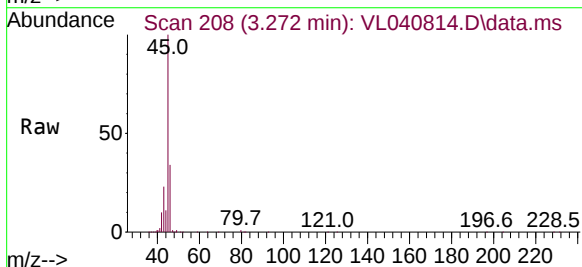
Manual Integrations
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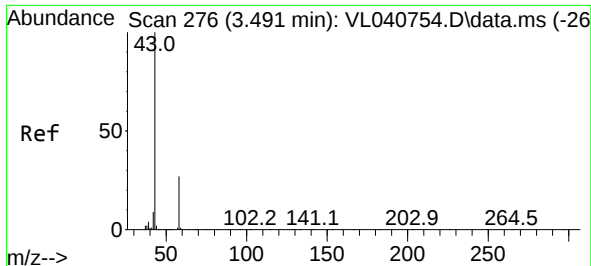
Reviewed By :Semsettin Yesilyurt 11/11/2023
Supervised By :Mahesh Dadoda 11/13/2023



#13
Ethanol
Concen: 21.670 ppbv
RT: 3.272 min Scan# 208
Delta R.T. -0.006 min
Lab File: VL040814.D
Acq: 8 Nov 2023 17:18

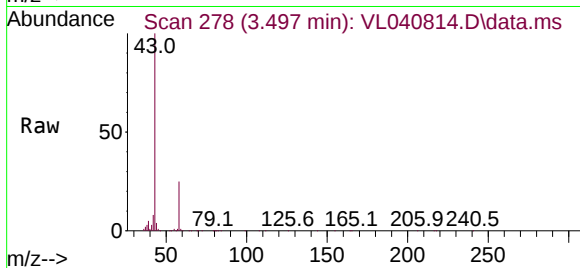
Tgt Ion: 45 Resp: 269018
Ion Ratio Lower Upper
45 100
46 36.5 14.6 58.2





#15
Acetone
Concen: 5.947 ppbv m
RT: 3.497 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL040814.D
Acq: 8 Nov 2023 17:18

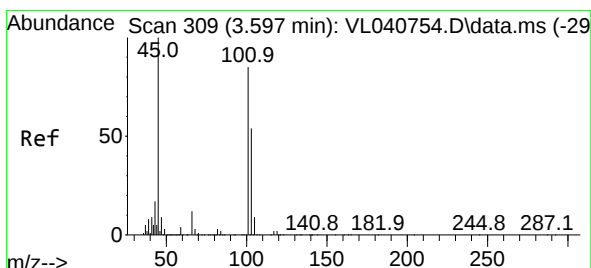
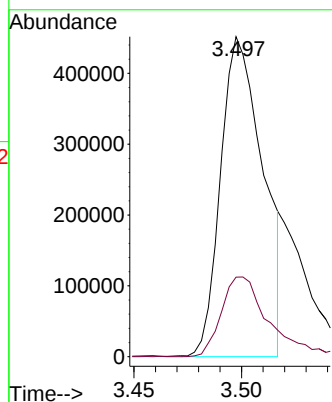
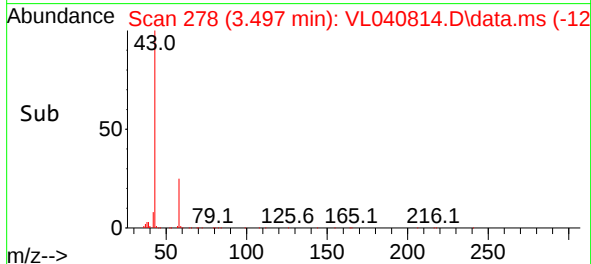
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 43 Resp: 619438
Ion Ratio Lower Upper
43 100
58 29.1 21.6 32.4

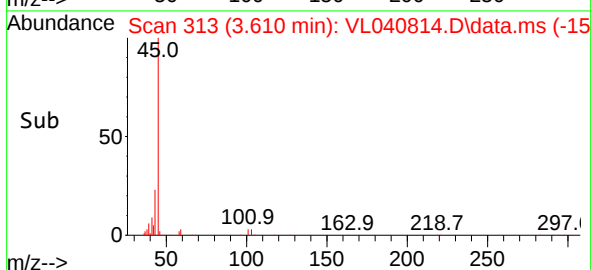
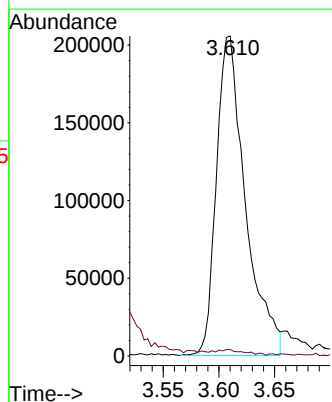
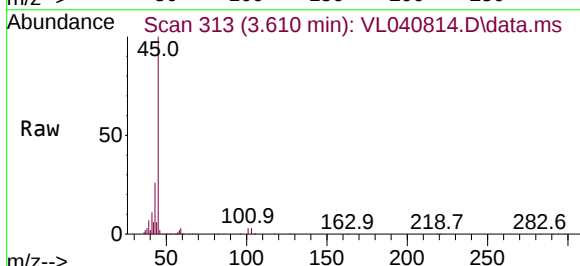
Manual Integrations
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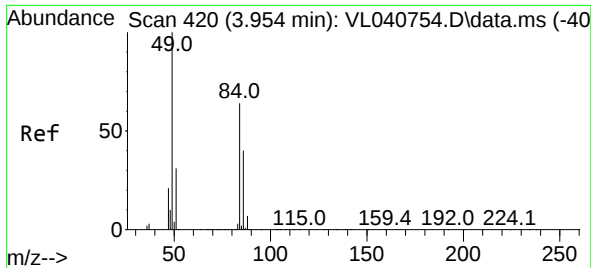
Reviewed By :Semsettin Yesilyurt 11/11/2023
Supervised By :Mahesh Dadoda 11/13/2023



#19
Isopropyl Alcohol
Concen: 5.559 ppbv
RT: 3.610 min Scan# 313
Delta R.T. 0.003 min
Lab File: VL040814.D
Acq: 8 Nov 2023 17:18

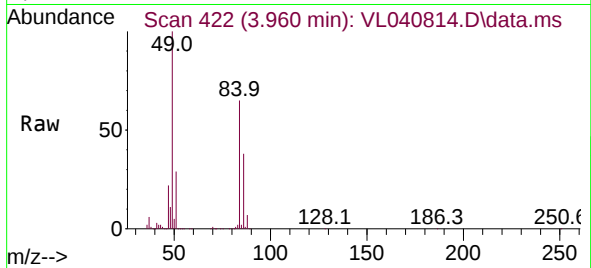
Tgt Ion: 45 Resp: 372740
Ion Ratio Lower Upper
45 100
58 4.2 30.3 45.5#





#20
Methylene Chloride
Concen: 9.147 ppbv
RT: 3.960 min Scan# 41
Delta R.T. 0.000 min
Lab File: VL040814.D
Acq: 8 Nov 2023 17:18

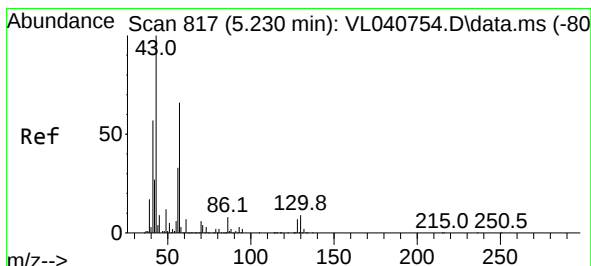
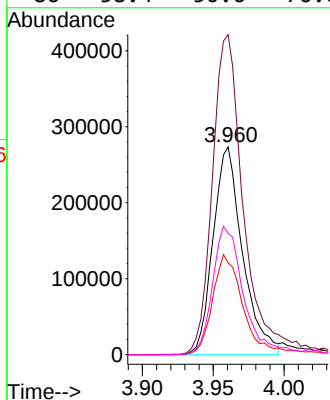
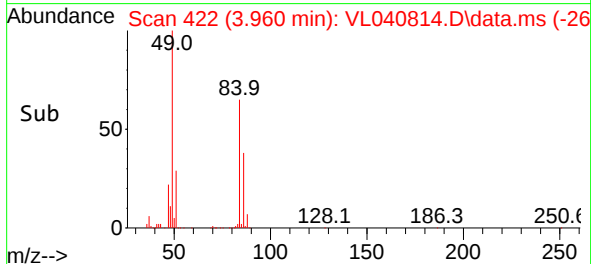
Instrument :
MSVOA_L
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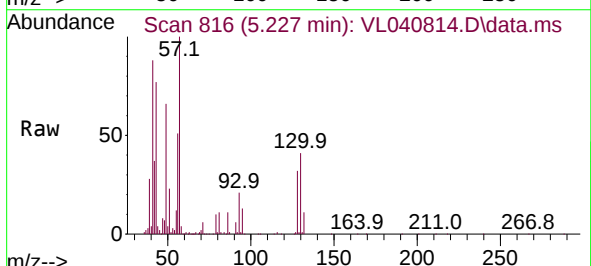
Tgt Ion: 84 Resp: 39685
Ion Ratio Lower Upper
84 100
49 154.0 125.6 188.4
51 44.1 38.9 58.3
86 58.4 50.6 76.0

Manual Integrations
APPROVED

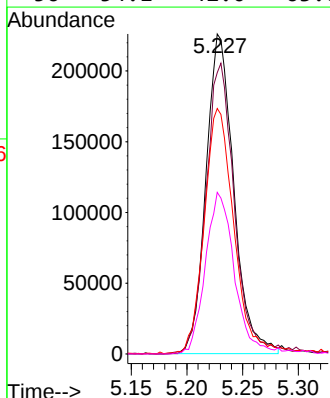
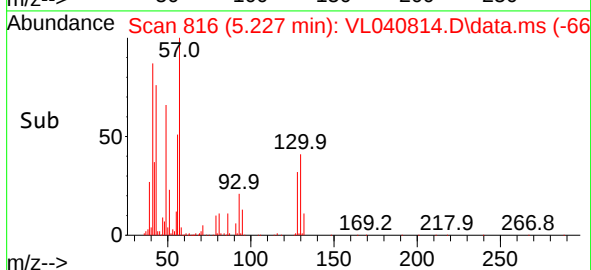
Reviewed By :Semsettin Yesilyurt 11/11/2023
Supervised By :Mahesh Dadoda 11/13/2023

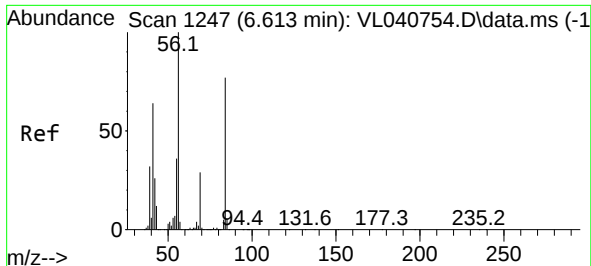


#26
Hexane
Concen: 3.759 ppbv
RT: 5.227 min Scan# 816
Delta R.T. 0.000 min
Lab File: VL040814.D
Acq: 8 Nov 2023 17:18



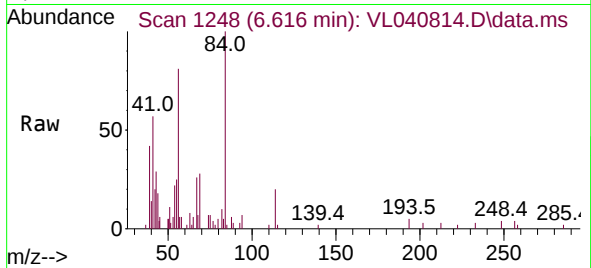
Tgt Ion: 57 Resp: 392065
Ion Ratio Lower Upper
57 100
41 95.0 71.4 107.2
43 83.5 182.3 273.5#
56 54.1 42.0 63.0





#30
Cyclohexane
Concen: 0.184 ppbv m
RT: 6.616 min Scan# 1247
Delta R.T. 0.007 min
Lab File: VL040814.D
Acq: 8 Nov 2023 17:18

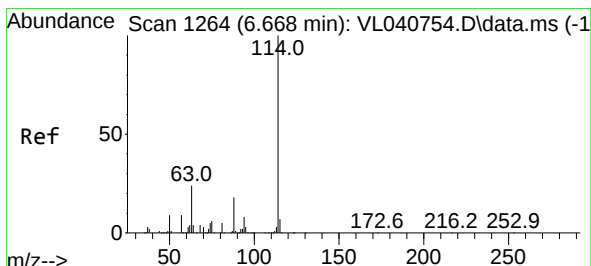
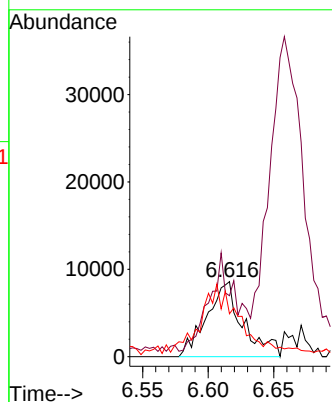
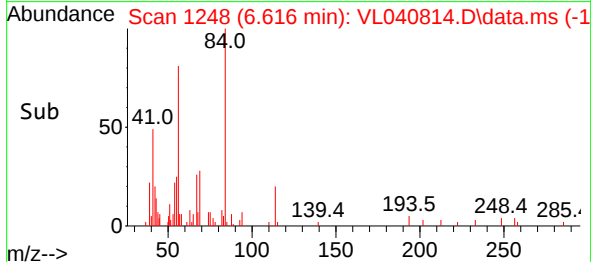
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 84 Resp: 1637
Ion Ratio Lower Upper
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56 96.0 110.3 165.5
41 90.5 67.4 101.2

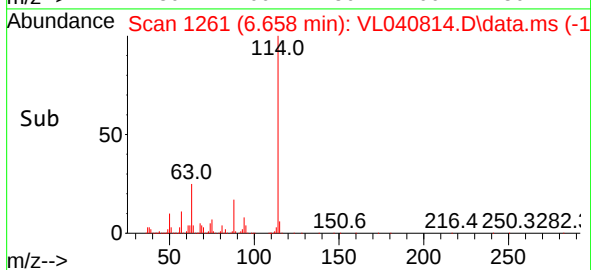
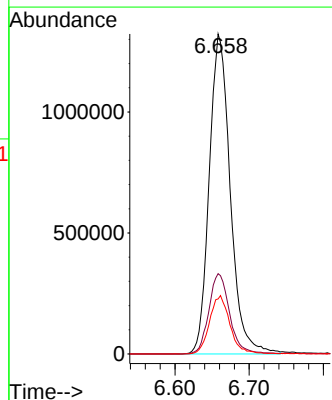
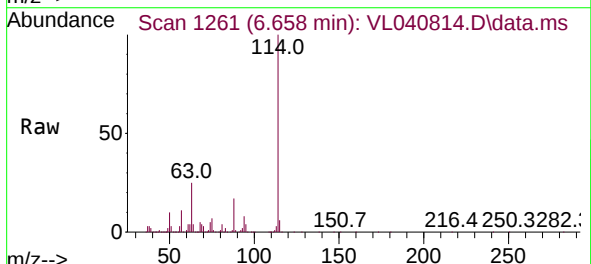
Manual Integrations
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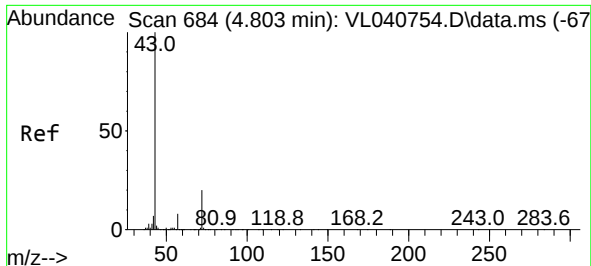
Reviewed By :Semsettin Yesilyurt 11/11/2023
Supervised By :Mahesh Dadoda 11/13/2023



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.658 min Scan# 1261
Delta R.T. -0.006 min
Lab File: VL040814.D
Acq: 8 Nov 2023 17:18

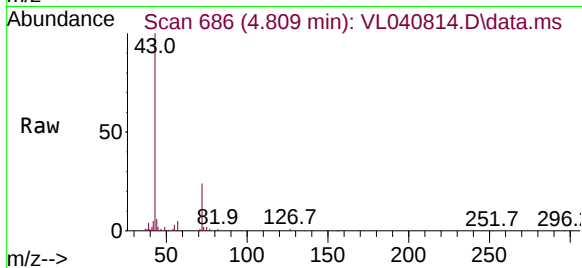
Tgt Ion:114 Resp: 2602377
Ion Ratio Lower Upper
114 100
63 25.1 19.8 29.6
88 17.8 14.2 21.2





#34
2-Butanone
Concen: 0.775 ppbv m
RT: 4.809 min Scan# 61
Delta R.T. 0.003 min
Lab File: VL040814.D
Acq: 8 Nov 2023 17:18

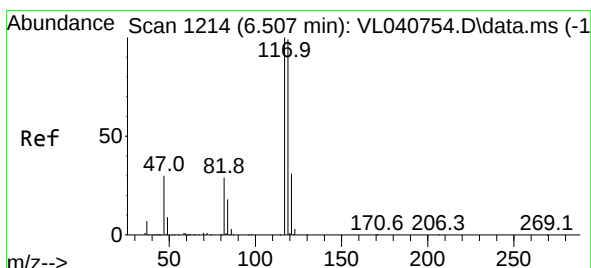
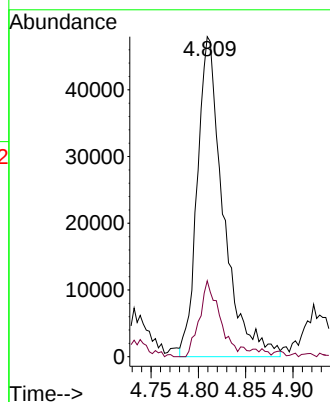
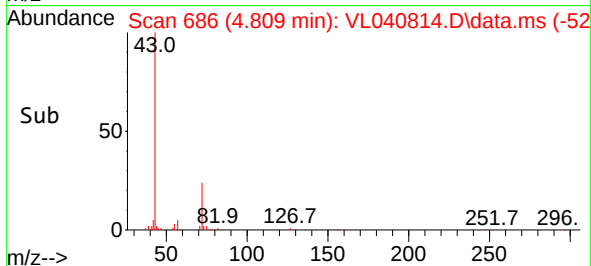
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 43 Resp: 91289
Ion Ratio Lower Upper
43 100
72 19.2 16.8 25.2

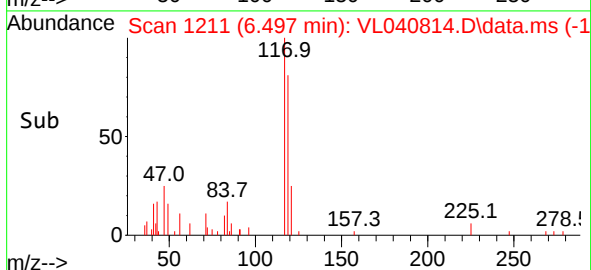
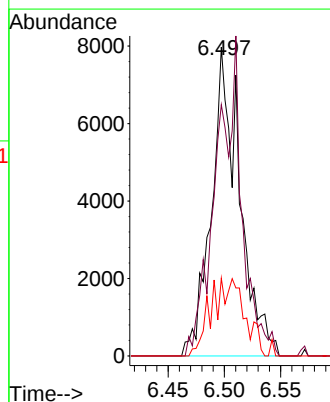
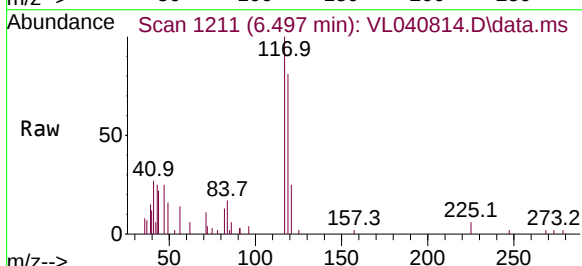
Manual Integrations
APPROVED

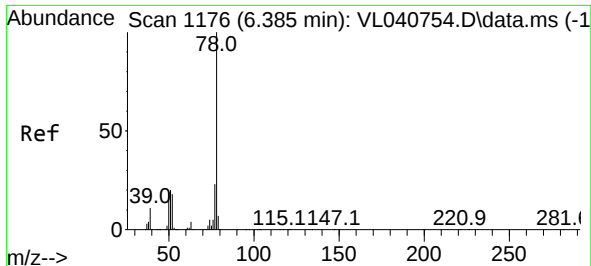
Reviewed By :Semsettin Yesilyurt 11/11/2023
Supervised By :Mahesh Dadoda 11/13/2023



#35
Carbon Tetrachloride
Concen: 0.095 ppbv m
RT: 6.497 min Scan# 1211
Delta R.T. -0.009 min
Lab File: VL040814.D
Acq: 8 Nov 2023 17:18

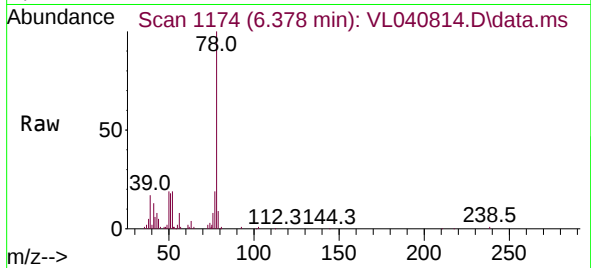
Tgt Ion:117 Resp: 13934
Ion Ratio Lower Upper
117 100
119 81.3 79.4 119.0
121 25.2 25.0 37.4





#36
Benzene
Concen: 0.443 ppbv
RT: 6.378 min Scan# 1176
Delta R.T. -0.003 min
Lab File: VL040814.D
Acq: 8 Nov 2023 17:18

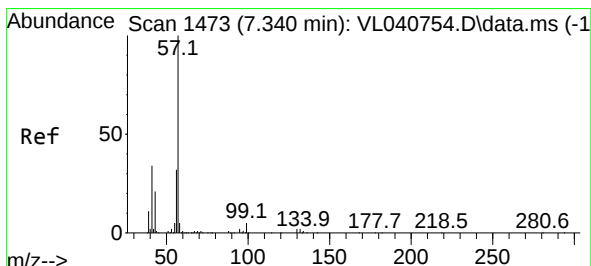
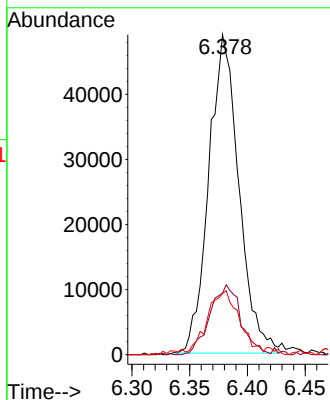
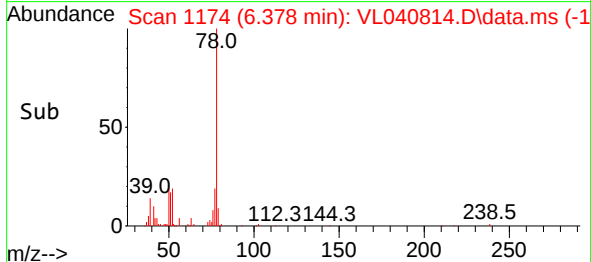
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 78 Resp: 88725
Ion Ratio Lower Upper
78 100
77 19.3 18.4 27.6
50 18.3 15.0 22.4

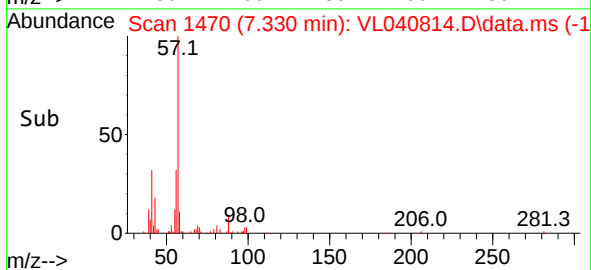
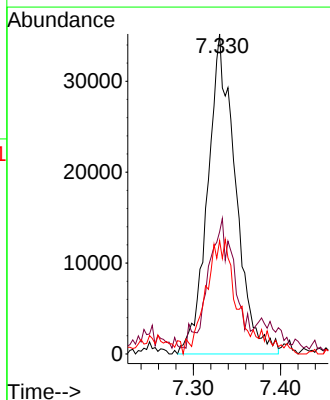
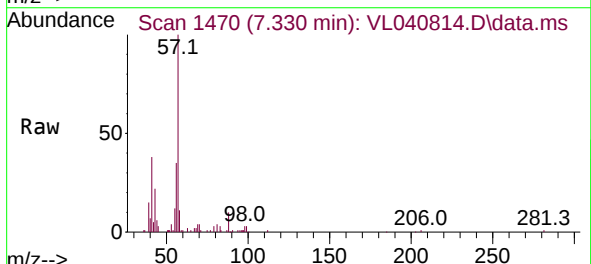
Manual Integrations
APPROVED

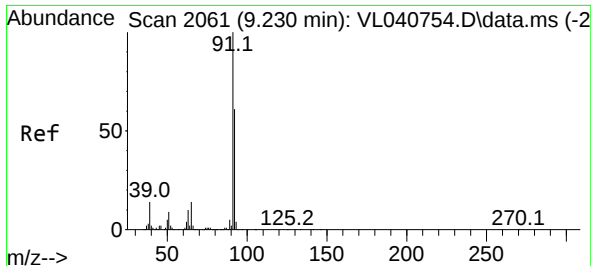
Reviewed By :Semsettin Yesilyurt 11/11/2023
Supervised By :Mahesh Dadoda 11/13/2023



#44
2,2,4-Trimethylpentane
Concen: 0.231 ppbv m
RT: 7.330 min Scan# 1470
Delta R.T. -0.003 min
Lab File: VL040814.D
Acq: 8 Nov 2023 17:18

Tgt Ion: 57 Resp: 78145
Ion Ratio Lower Upper
57 100
41 0.0 27.4 41.0#
56 0.0 25.0 37.6#





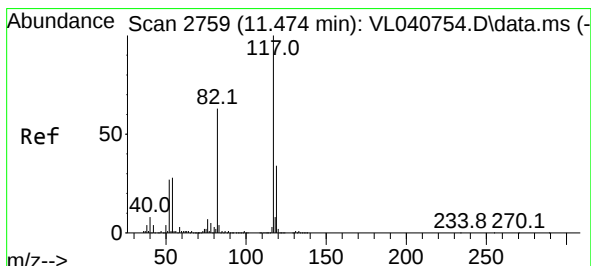
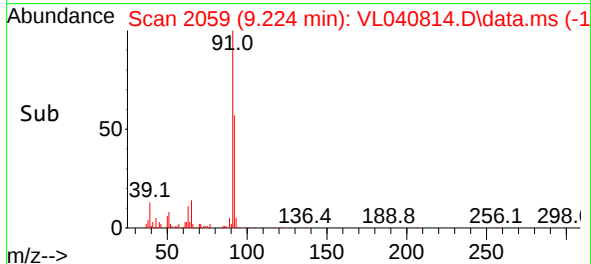
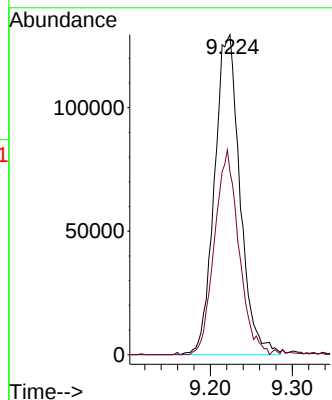
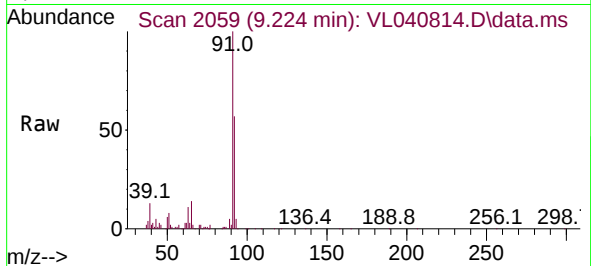
#53
Toluene
Concen: 1.178 ppbv m
RT: 9.224 min Scan# 2061
Delta R.T. 0.003 min
Lab File: VL040814.D
Acq: 8 Nov 2023 17:18

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 91 Resp: 280597
Ion Ratio Lower Upper
91 100
92 0.0 50.2 75.2

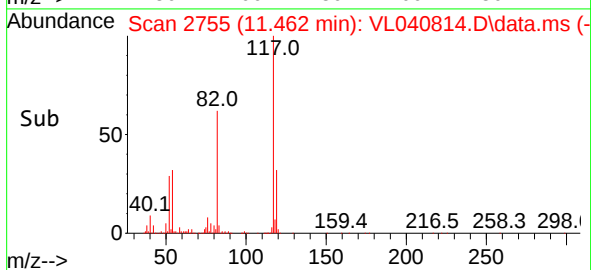
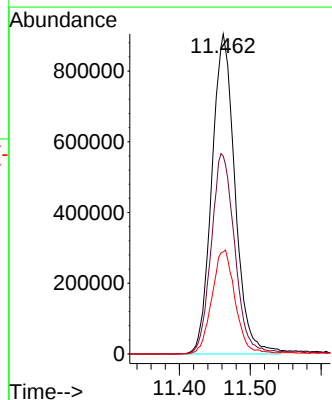
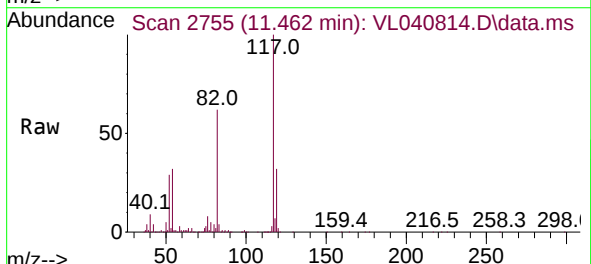
Manual Integrations
APPROVED

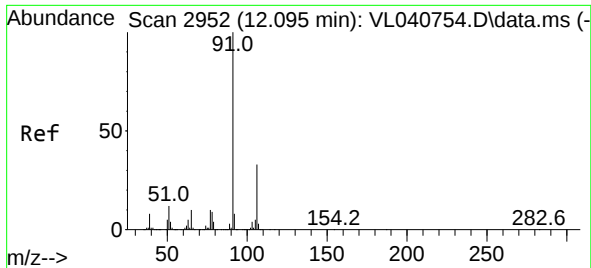
Reviewed By :Semsettin Yesilyurt 11/11/2023
Supervised By :Mahesh Dadoda 11/13/2023



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.462 min Scan# 2755
Delta R.T. 0.000 min
Lab File: VL040814.D
Acq: 8 Nov 2023 17:18

Tgt Ion:117 Resp: 2055351
Ion Ratio Lower Upper
117 100
82 65.1 46.6 70.0
119 33.0 26.0 39.0





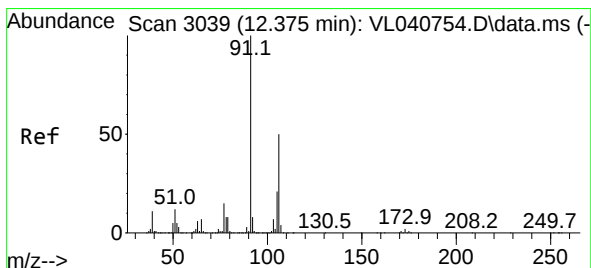
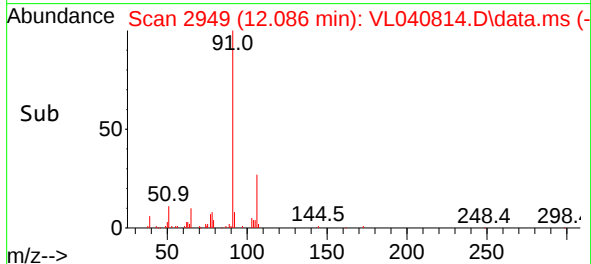
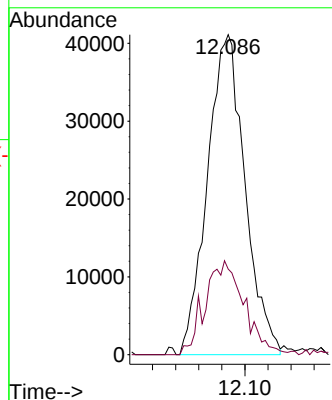
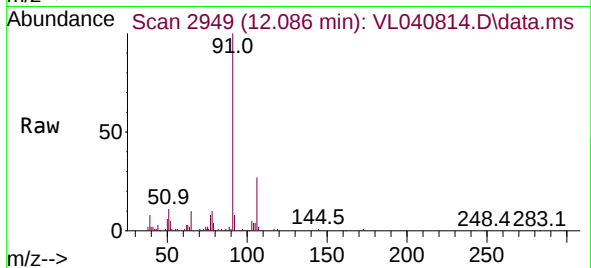
#58
Ethyl Benzene
Concen: 0.359 ppbv
RT: 12.086 min Scan# 2952
Delta R.T. 0.003 min
Lab File: VL040814.D
Acq: 8 Nov 2023 17:18

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 91 Resp: 9288
Ion Ratio Lower Upper
91 100
106 26.8 26.7 40.1

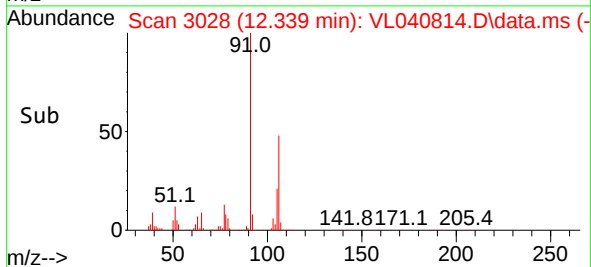
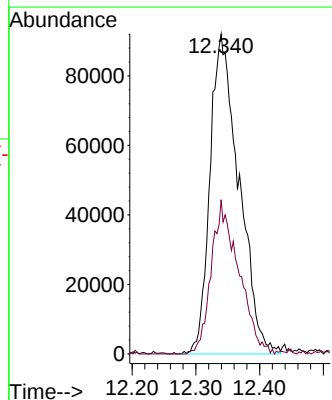
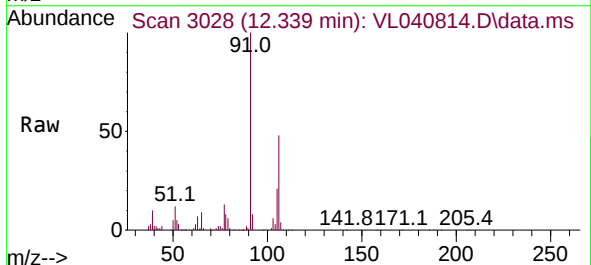
Manual Integrations
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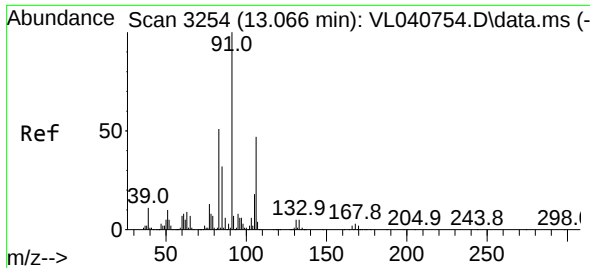
Reviewed By :Semsettin Yesilyurt 11/11/2023
Supervised By :Mahesh Dadoda 11/13/2023



#59
m/p-Xylene
Concen: 1.363 ppbv m
RT: 12.339 min Scan# 3028
Delta R.T. -0.029 min
Lab File: VL040814.D
Acq: 8 Nov 2023 17:18

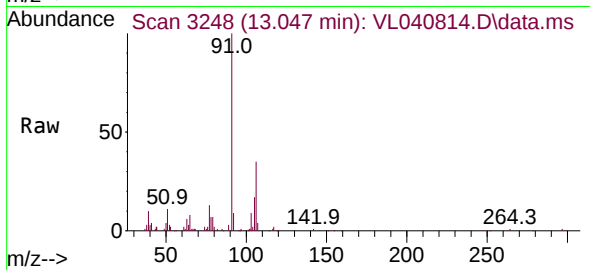
Tgt Ion: 91 Resp: 290210
Ion Ratio Lower Upper
91 100
106 0.0 37.7 56.5#





#60
o-Xylene
Concen: 0.511 ppbv
RT: 13.047 min Scan# 310
Delta R.T. -0.006 min
Lab File: VL040814.D
Acq: 8 Nov 2023 17:18

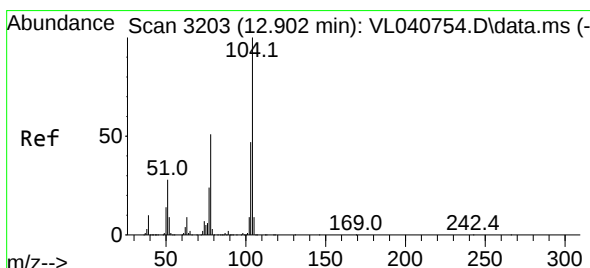
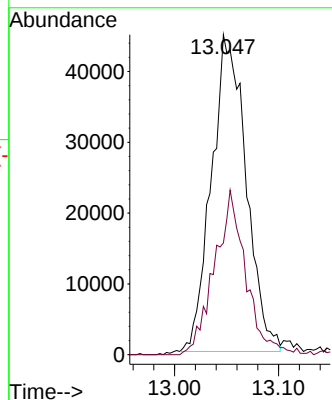
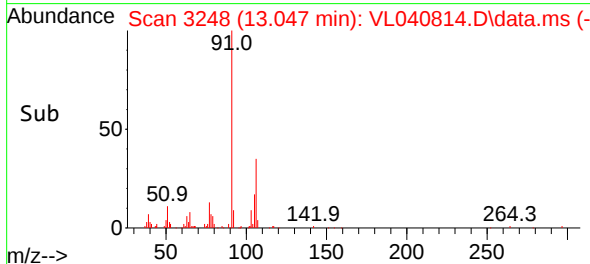
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 91 Resp: 10366
Ion Ratio Lower Upper
91 100
106 46.9 23.5 70.5

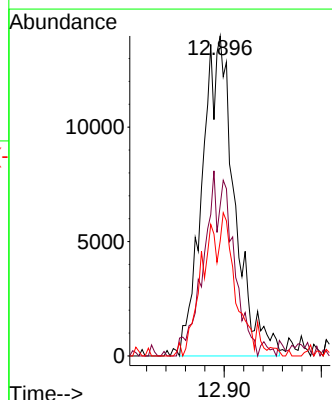
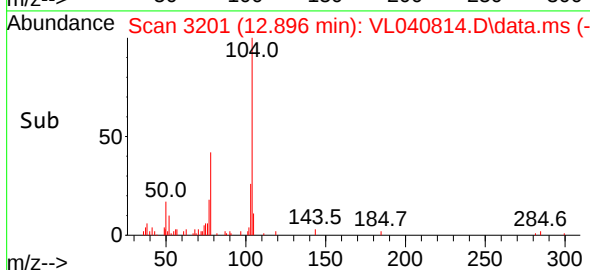
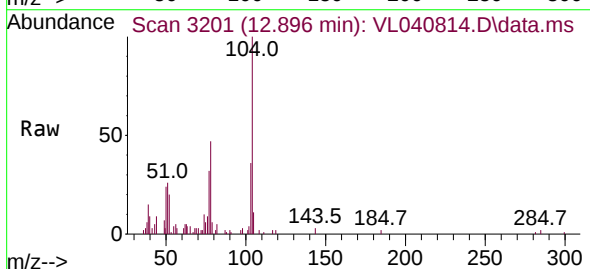
Manual Integrations
APPROVED

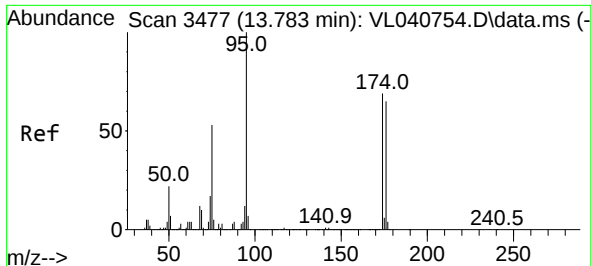
Reviewed By :Semsettin Yesilyurt 11/11/2023
Supervised By :Mahesh Dadoda 11/13/2023



#61
Styrene
Concen: 0.289 ppbv m
RT: 12.896 min Scan# 3201
Delta R.T. 0.003 min
Lab File: VL040814.D
Acq: 8 Nov 2023 17:18

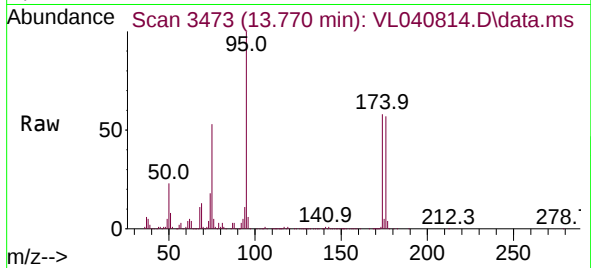
Tgt Ion:104 Resp: 32550
Ion Ratio Lower Upper
104 100
78 0.0 39.8 59.6#
103 45.4 37.5 56.3





#68
1-Bromo-4-Fluorobenzene
Concen: 9.815 ppbv
RT: 13.770 min Scan# 3477
Delta R.T. 0.000 min
Lab File: VL040814.D
Acq: 8 Nov 2023 17:18

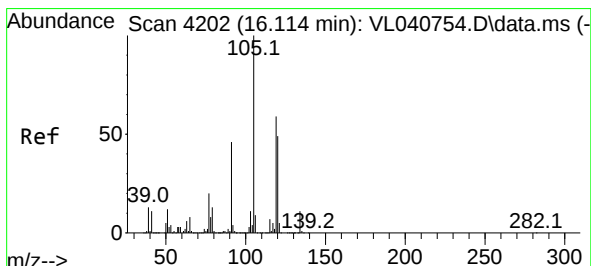
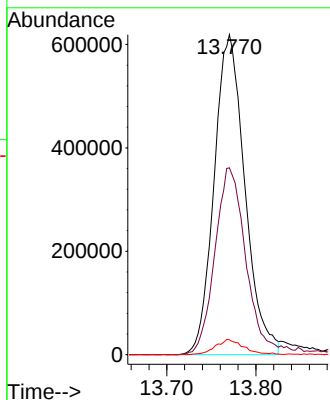
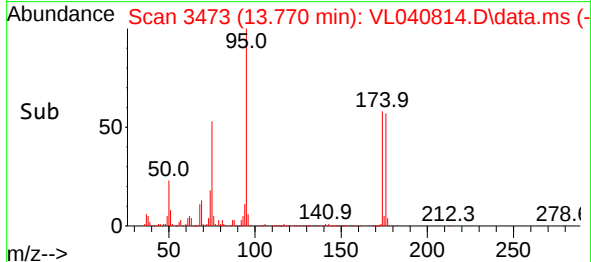
Instrument :
MSVOA_L
ClientSampleId :
IA1



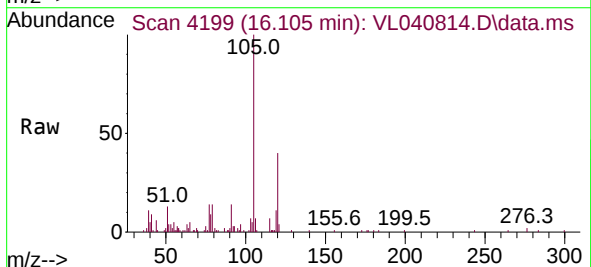
Tgt Ion: 95 Resp: 148435
Ion Ratio Lower Upper
95 100
174 61.4 54.7 82.1
175 4.5 4.2 6.4

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/11/2023
Supervised By :Mahesh Dadoda 11/13/2023



#74
1,2,4-Trimethylbenzene
Concen: 0.310 ppbv m
RT: 16.105 min Scan# 4199
Delta R.T. 0.003 min
Lab File: VL040814.D
Acq: 8 Nov 2023 17:18



Tgt Ion:105 Resp: 70860
Ion Ratio Lower Upper
105 100
120 40.2 39.4 59.2
91 13.7 38.6 58.0#
77 13.8 16.6 25.0#

