

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051223\
 Data File : VL040424.D
 Acq On : 12 May 2023 18:51
 Operator : SY/MD
 Sample : 02785-03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 05/16/2023
 Supervised By : Mahesh Dadoda 05/16/2023

Quant Time: May 15 00:43:55 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041323AIR.M

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

QLast Update : Thu Apr 13 14:37:02 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.182	49	945190	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.645	114	2340345	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.468	117	2092225	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.777	95	1680912	9.716	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.200%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.713	85	48716	0.286	ppbv	98
3) Chlorodifluoromethane	2.655	51	52278m	0.423	ppbv	
4) Chloromethane	2.796	50	32660	0.419	ppbv	97
9) Propene	2.681	41	76679m	1.571	ppbv	
10) Heptane	7.577	43	29751m	0.268	ppbv	
11) Trichlorofluoromethane	3.549	101	43536	0.252	ppbv	98
13) Ethanol	3.224	45	242297	59.483	ppbv	99
15) Acetone	3.452	43	758741	5.668	ppbv	93
19) Isopropyl Alcohol	3.565	45	315027	5.157	ppbv #	94
20) Methylene Chloride	3.922	84	224169	4.194	ppbv	96
26) Hexane	5.205	57	244497	2.575	ppbv #	42
30) Cyclohexane	6.600	84	12055m	0.164	ppbv	
34) 2-Butanone	4.780	43	87580	0.694	ppbv	93
35) Carbon Tetrachloride	6.494	117	10644m	0.065	ppbv	
36) Benzene	6.359	78	82130	0.430	ppbv	96
44) 2,2,4-Trimethylpentane	7.323	57	103171	0.323	ppbv #	71
52) Tetrachloroethene	10.616	164	3008m	0.050	ppbv	
53) Toluene	9.220	91	214306	1.059	ppbv	99
58) Ethyl Benzene	12.082	91	32650m	0.127	ppbv	
59) m/p-Xylene	12.352	91	86980m	0.367	ppbv	
60) o-Xylene	13.056	91	32005m	0.141	ppbv	
74) 1,2,4-Trimethylbenzene	16.117	105	36167m	0.137	ppbv	

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

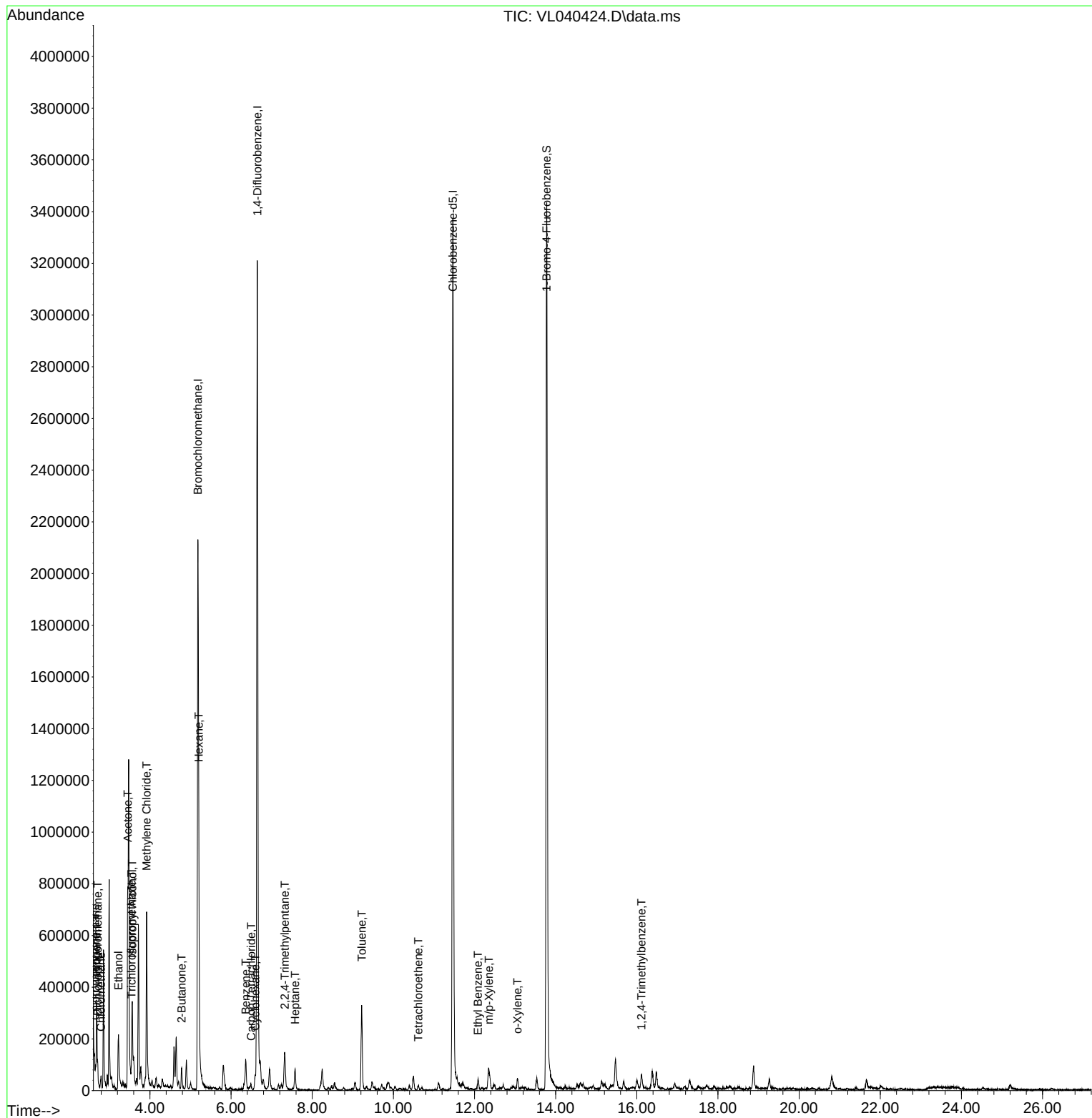
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051223\
Data File : VL040424.D
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Operator : SY/MD
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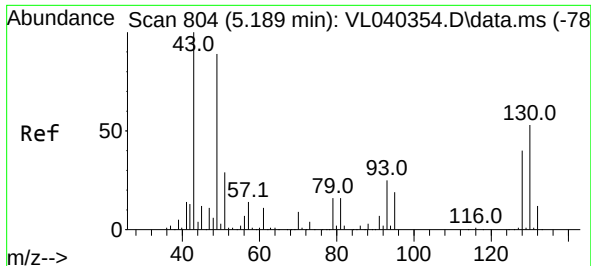
Instrument :
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ClientSampleId :
OA1

Quant Time: May 15 00:43:55 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041323AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Thu Apr 13 14:37:02 2023
Response via : Initial Calibration

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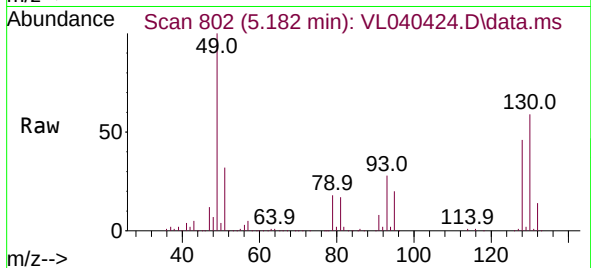
Reviewed By : Semsettin Yesilyurt 05/16/2023
Supervised By : Mahesh Dadoda 05/16/2023





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.182 min Scan# 804
Delta R.T. -0.007 min
Lab File: VL040424.D
Acq: 12 May 2023 18:51

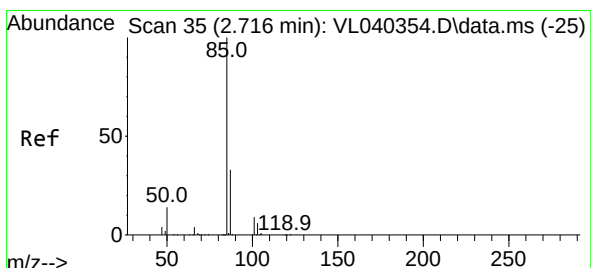
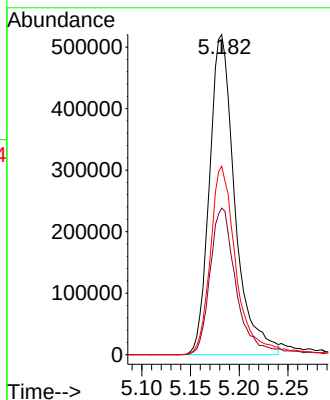
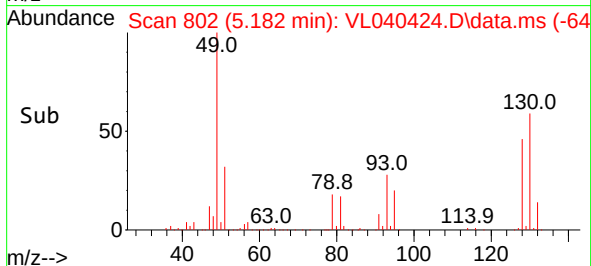
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion: 49 Resp: 945190
Ion Ratio Lower Upper
49 100
128 48.5 23.7 71.1
130 62.1 29.9 89.8

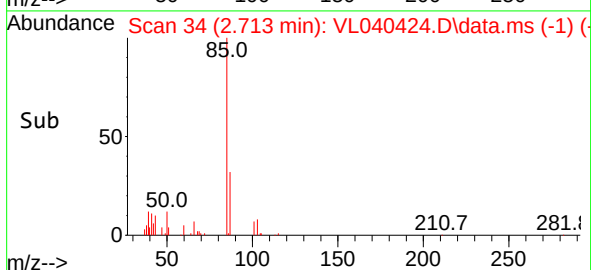
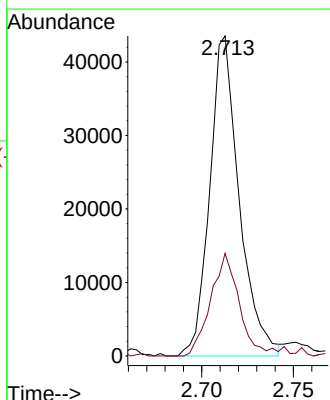
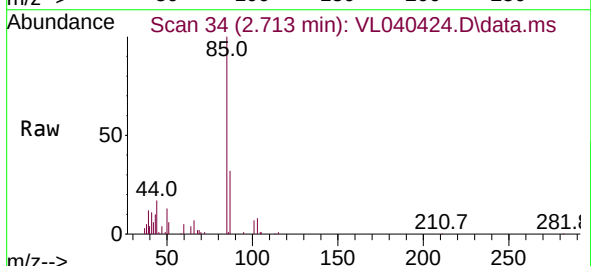
Manual Integrations
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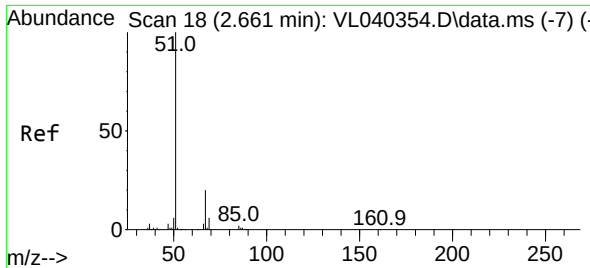
Reviewed By :Semsettin Yesilyurt 05/16/2023
Supervised By :Mahesh Dadoda 05/16/2023



#2
Dichlorodifluoromethane
Concen: 0.286 ppbv
RT: 2.713 min Scan# 34
Delta R.T. -0.003 min
Lab File: VL040424.D
Acq: 12 May 2023 18:51

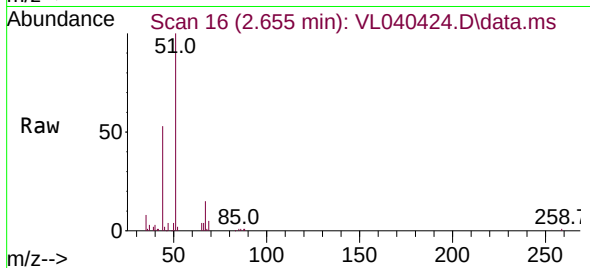
Tgt Ion: 85 Resp: 48716
Ion Ratio Lower Upper
85 100
87 32.1 26.6 40.0





#3
Chlorodifluoromethane
Concen: 0.423 ppbv m
RT: 2.655 min Scan# 1
Delta R.T. -0.006 min
Lab File: VL040424.D
Acq: 12 May 2023 18:51

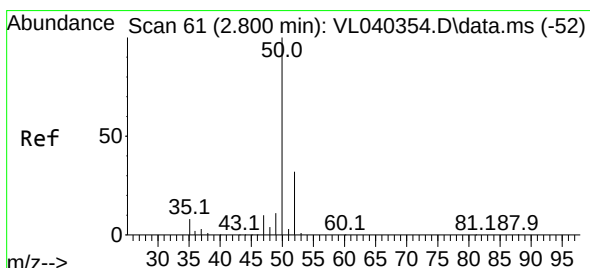
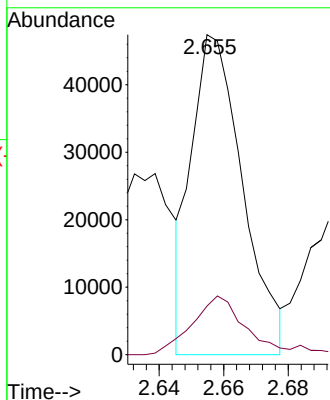
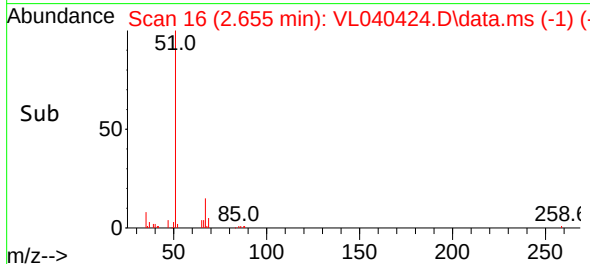
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion: 51 Resp: 52278
Ion Ratio Lower Upper
51 100
67 20.3 15.5 23.3

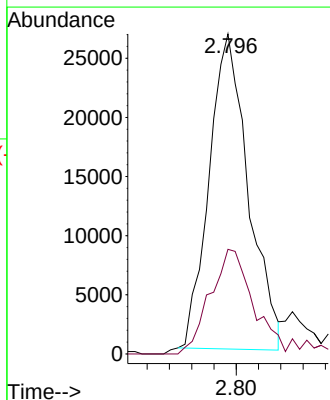
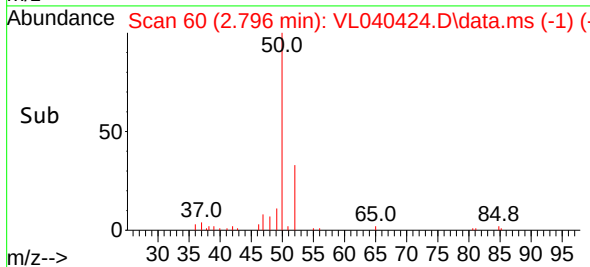
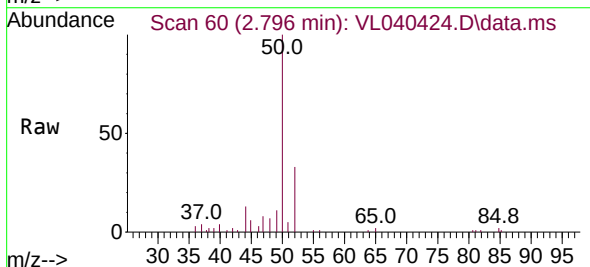
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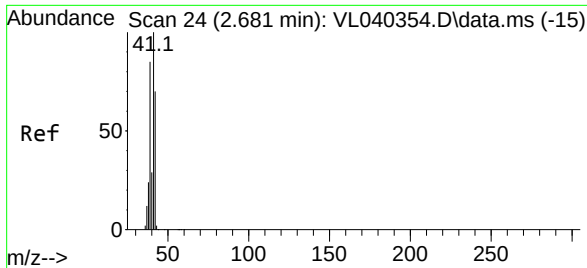
Reviewed By :Semsettin Yesilyurt 05/16/2023
Supervised By :Mahesh Dadoda 05/16/2023



#4
Chloromethane
Concen: 0.419 ppbv
RT: 2.796 min Scan# 60
Delta R.T. -0.004 min
Lab File: VL040424.D
Acq: 12 May 2023 18:51

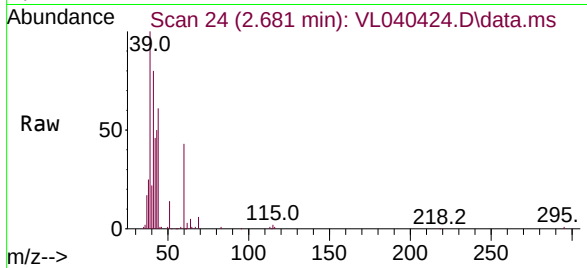
Tgt Ion: 50 Resp: 32660
Ion Ratio Lower Upper
50 100
52 33.3 25.3 37.9





#9
 Propene
 Concen: 1.571 ppbv m
 RT: 2.681 min Scan# 24
 Delta R.T. -0.000 min
 Lab File: VL040424.D
 Acq: 12 May 2023 18:51

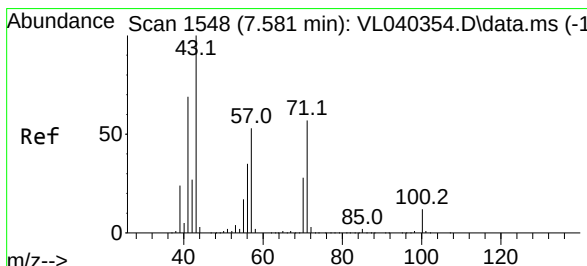
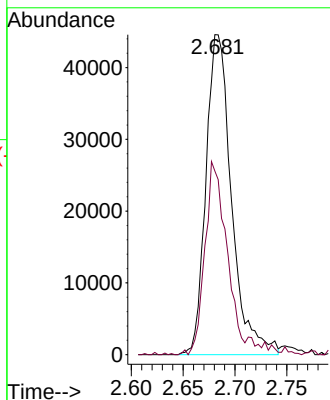
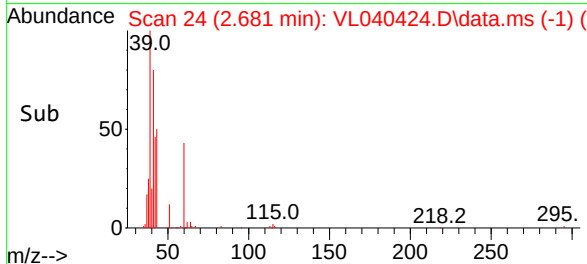
Instrument :
 MSVOA_L
 ClientSampleId :
 OA1



Tgt Ion: 41 Resp: 76679
 Ion Ratio Lower Upper
 41 100
 42 125.0 56.5 84.75

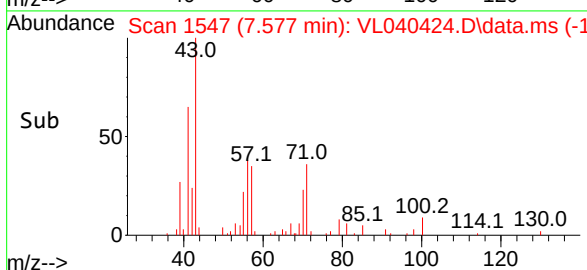
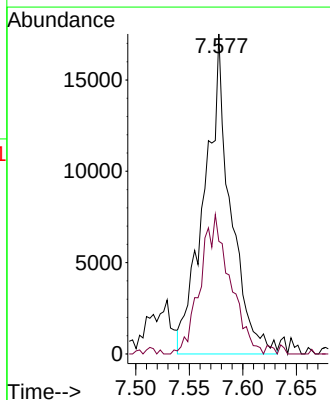
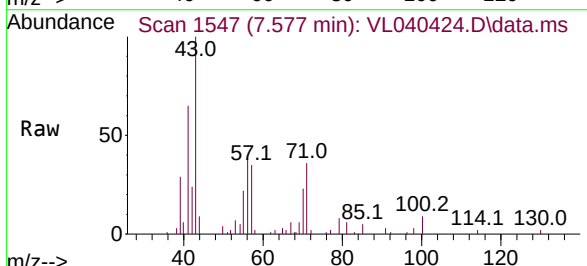
Manual Integrations
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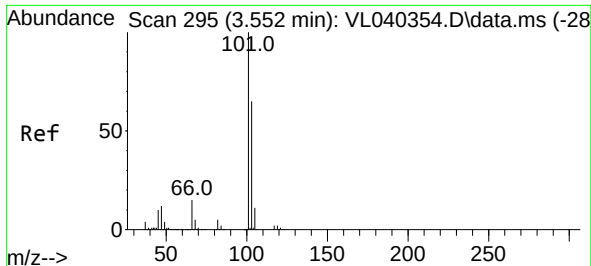
Reviewed By :Semsettin Yesilyurt 05/16/2023
 Supervised By :Mahesh Dadoda 05/16/2023



#10
 Heptane
 Concen: 0.268 ppbv m
 RT: 7.577 min Scan# 1547
 Delta R.T. -0.004 min
 Lab File: VL040424.D
 Acq: 12 May 2023 18:51

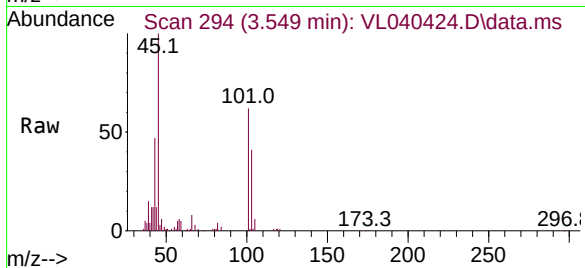
Tgt Ion: 43 Resp: 29751
 Ion Ratio Lower Upper
 43 100
 57 0.0 42.2 63.4#





#11
Trichlorofluoromethane
Concen: 0.252 ppbv
RT: 3.549 min Scan# 295
Delta R.T. -0.003 min
Lab File: VL040424.D
Acq: 12 May 2023 18:51

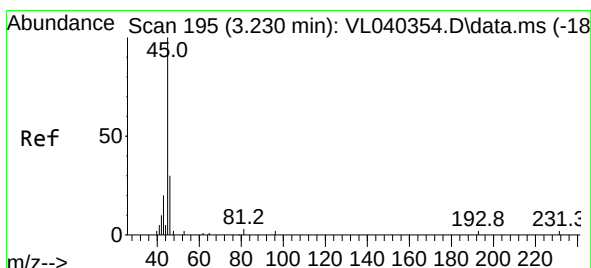
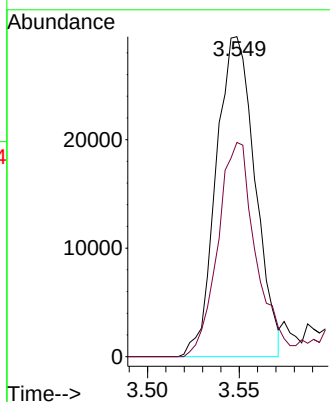
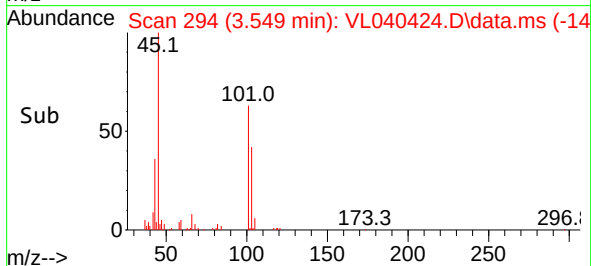
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion:101 Resp: 43530
Ion Ratio Lower Upper
101 100
103 66.9 52.2 78.4

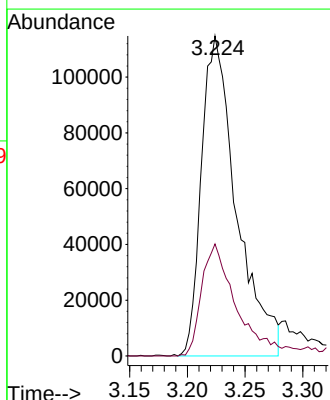
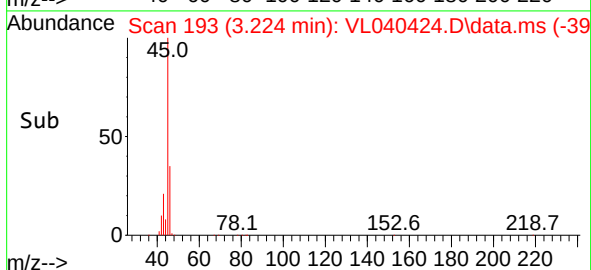
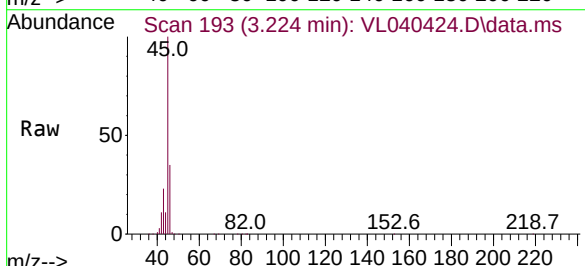
Manual Integrations
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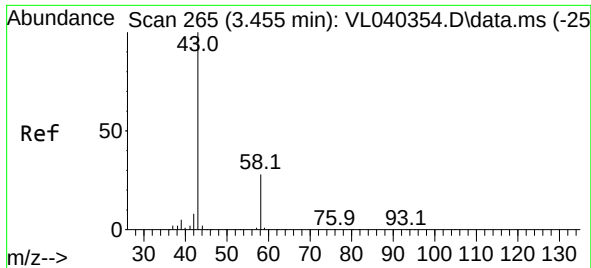
Reviewed By :Semsettin Yesilyurt 05/16/2023
Supervised By :Mahesh Dadoda 05/16/2023



#13
Ethanol
Concen: 59.483 ppbv
RT: 3.224 min Scan# 193
Delta R.T. -0.006 min
Lab File: VL040424.D
Acq: 12 May 2023 18:51

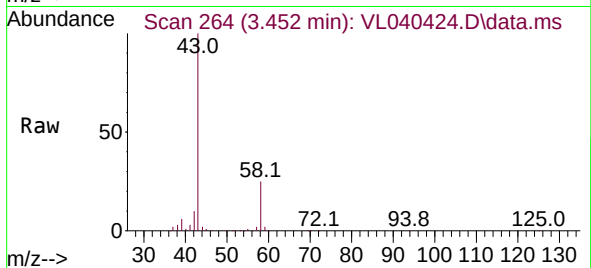
Tgt Ion: 45 Resp: 242297
Ion Ratio Lower Upper
45 100
46 37.9 15.3 61.3





#15
Acetone
Concen: 5.668 ppbv
RT: 3.452 min Scan# 264
Delta R.T. -0.003 min
Lab File: VL040424.D
Acq: 12 May 2023 18:51

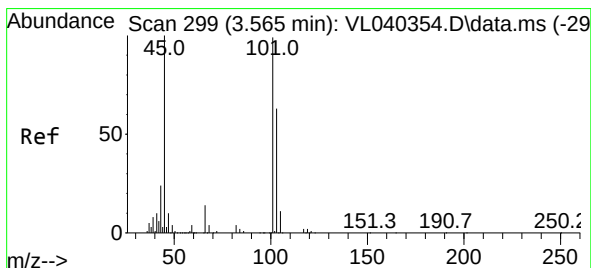
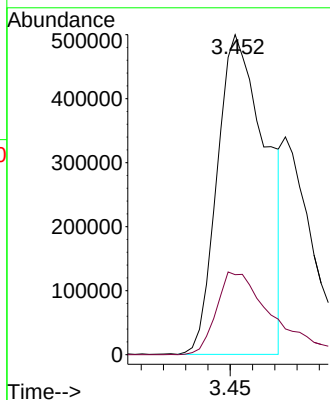
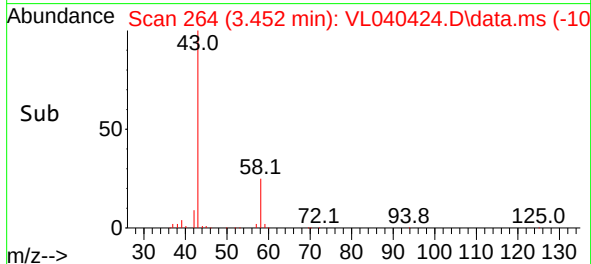
Instrument : MSVOA_L
ClientSampleId : OA1



Tgt Ion: 43 Resp: 75874
Ion Ratio Lower Upper
43 100
58 31.5 22.2 33.2

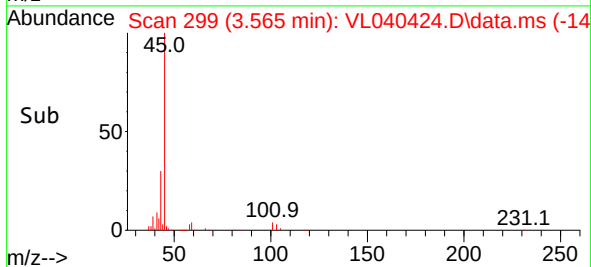
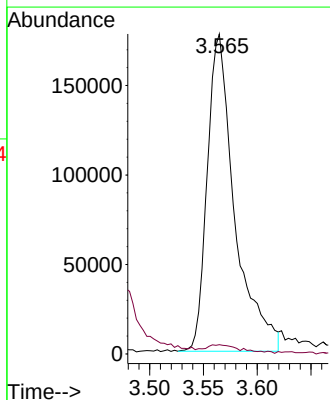
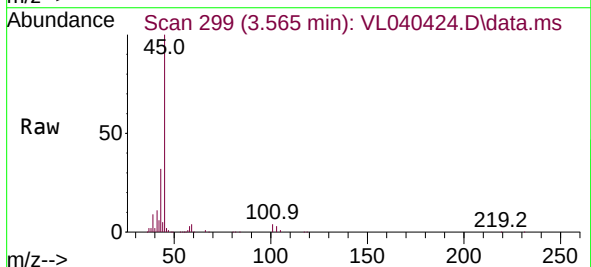
Manual Integrations
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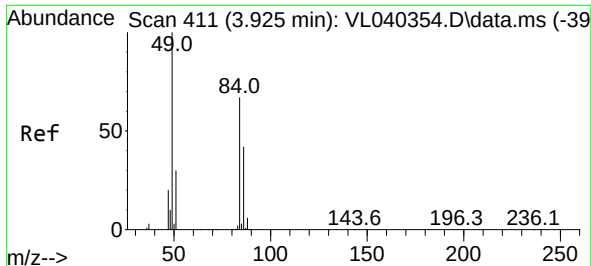
Reviewed By :Semsettin Yesilyurt 05/16/2023
Supervised By :Mahesh Dadoda 05/16/2023



#19
Isopropyl Alcohol
Concen: 5.157 ppbv
RT: 3.565 min Scan# 299
Delta R.T. -0.000 min
Lab File: VL040424.D
Acq: 12 May 2023 18:51

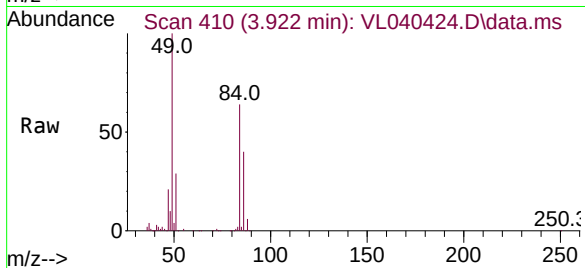
Tgt Ion: 45 Resp: 315027
Ion Ratio Lower Upper
45 100
58 5.2 2.6 4.0#





#20
Methylene Chloride
Concen: 4.194 ppbv
RT: 3.922 min Scan# 411
Delta R.T. -0.003 min
Lab File: VL040424.D
Acq: 12 May 2023 18:51

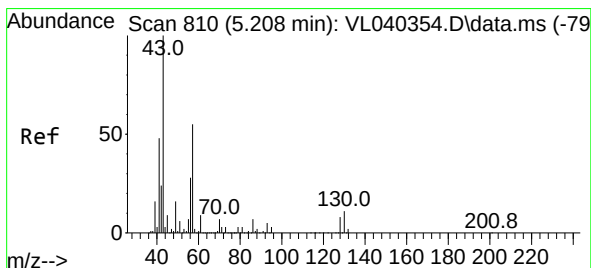
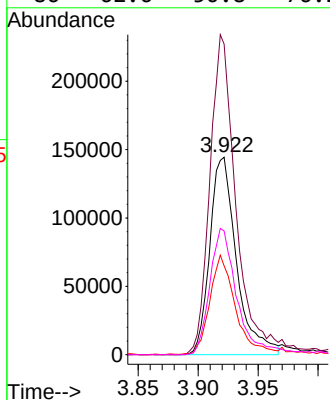
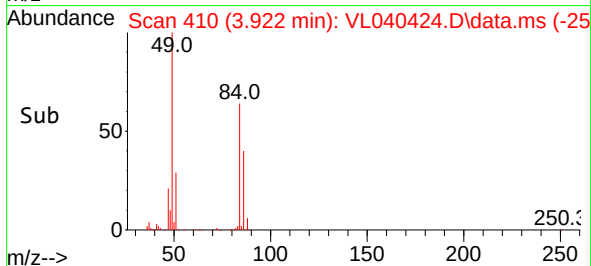
Instrument :
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ClientSampleId :
OA1



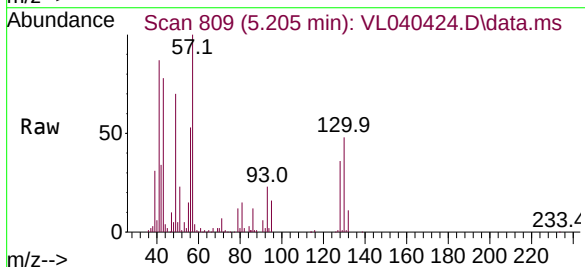
Tgt Ion: 84 Resp: 224169
Ion Ratio Lower Upper
84 100
49 157.3 120.1 180.1
51 44.8 36.3 54.5
86 62.6 50.8 76.2

Manual Integrations
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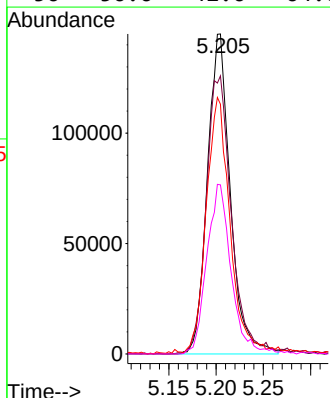
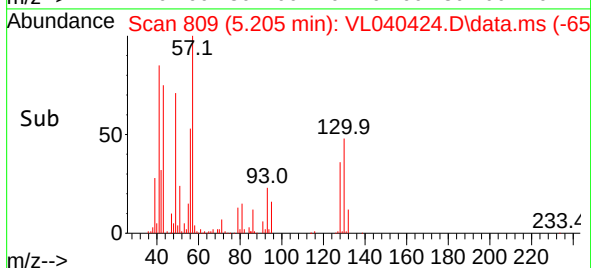
Reviewed By :Semsettin Yesilyurt 05/16/2023
Supervised By :Mahesh Dadoda 05/16/2023

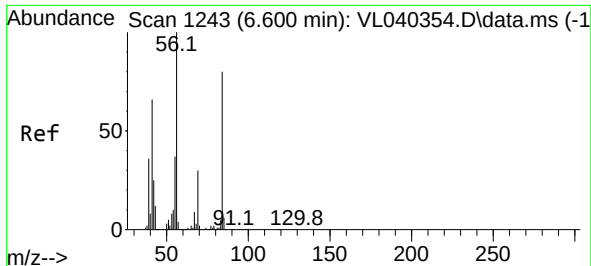


#26
Hexane
Concen: 2.575 ppbv
RT: 5.205 min Scan# 809
Delta R.T. -0.003 min
Lab File: VL040424.D
Acq: 12 May 2023 18:51



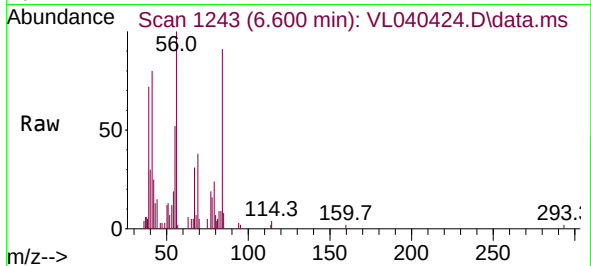
Tgt Ion: 57 Resp: 244497
Ion Ratio Lower Upper
57 100
41 96.9 74.8 112.2
43 86.4 192.7 289.1#
56 56.6 42.6 64.0





#30
Cyclohexane
Concen: 0.164 ppbv m
RT: 6.600 min Scan# 1243
Delta R.T. 0.000 min
Lab File: VL040424.D
Acq: 12 May 2023 18:51

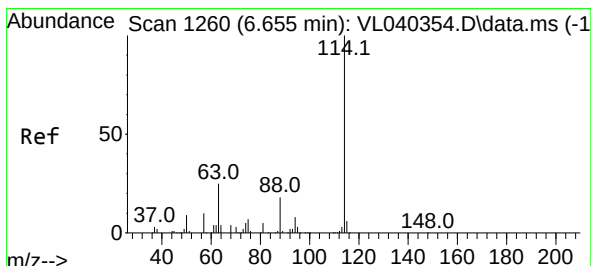
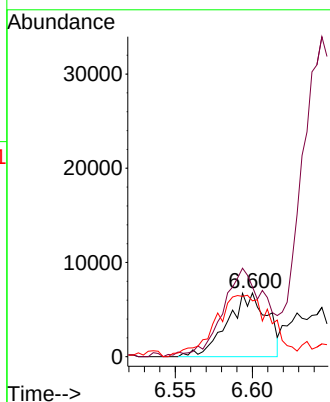
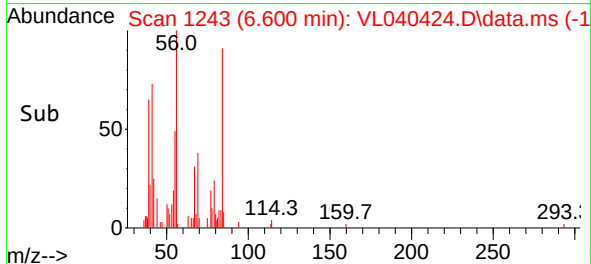
Instrument :
MSVOA_L
ClientSampleId :
OA1



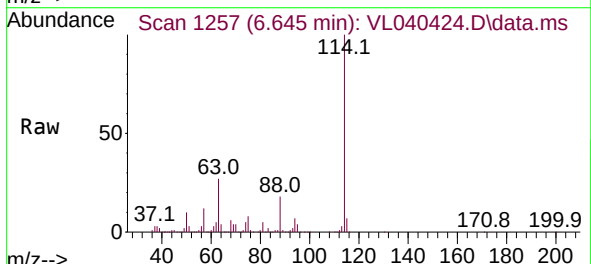
Tgt Ion: 84 Resp: 1205
Ion Ratio Lower Upper
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56 143.0 107.0 160.6
41 0.0 66.7 100.1

Manual Integrations
APPROVED

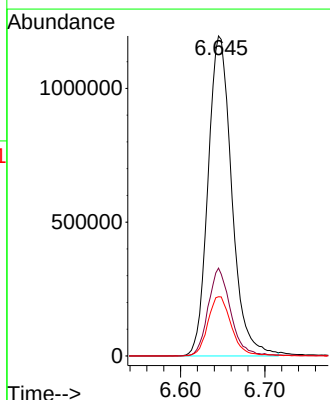
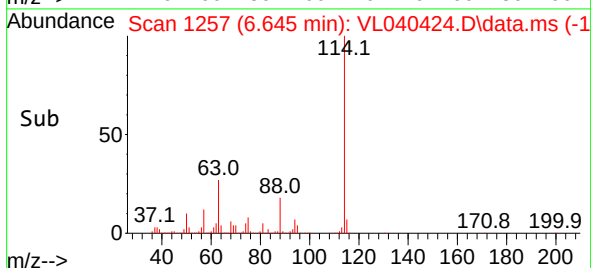
Reviewed By :Semsettin Yesilyurt 05/16/2023
Supervised By :Mahesh Dadoda 05/16/2023

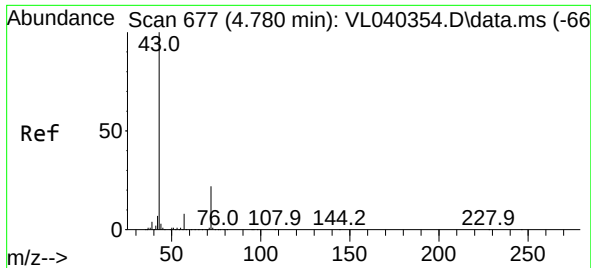


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.645 min Scan# 1257
Delta R.T. -0.010 min
Lab File: VL040424.D
Acq: 12 May 2023 18:51



Tgt Ion:114 Resp: 2340345
Ion Ratio Lower Upper
114 100
63 26.3 21.4 32.0
88 18.5 14.6 22.0





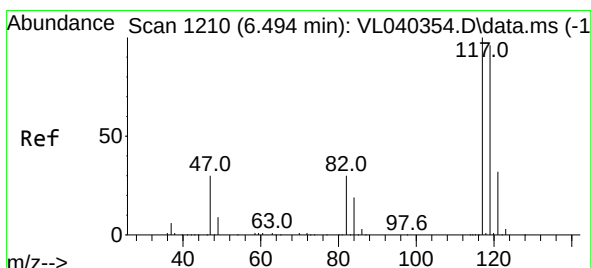
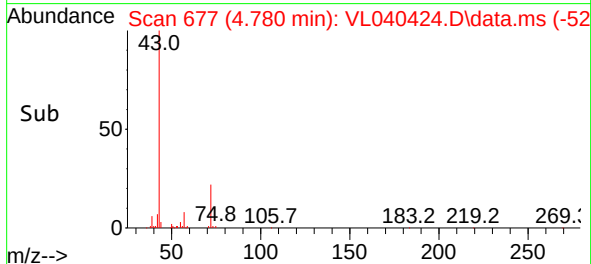
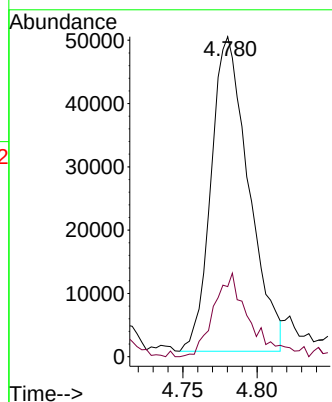
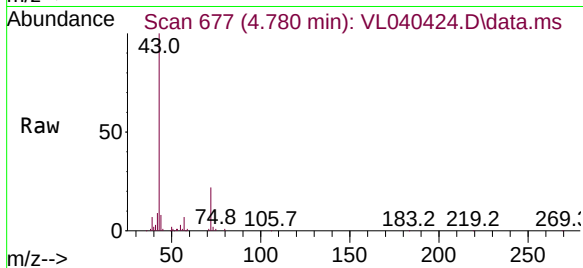
#34
2-Butanone
Concen: 0.694 ppbv
RT: 4.780 min Scan# 61
Delta R.T. 0.000 min
Lab File: VL040424.D
Acq: 12 May 2023 18:51

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 43 Resp: 87580
Ion Ratio Lower Upper
43 100
72 26.5 18.4 27.6

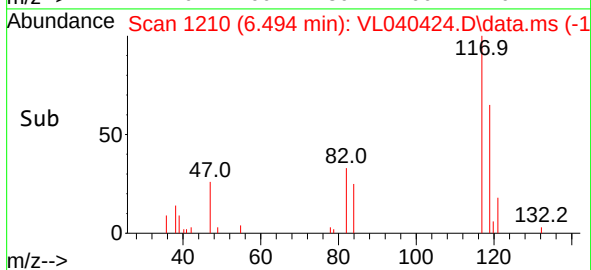
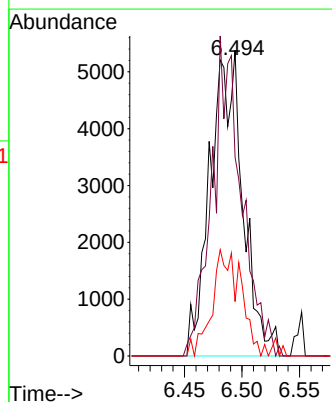
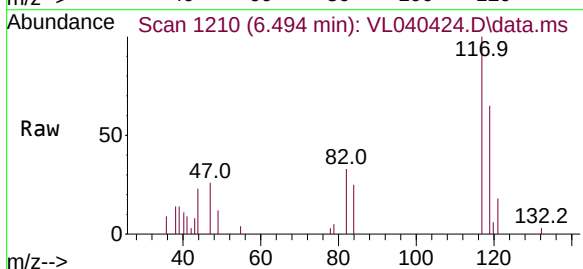
Manual Integrations
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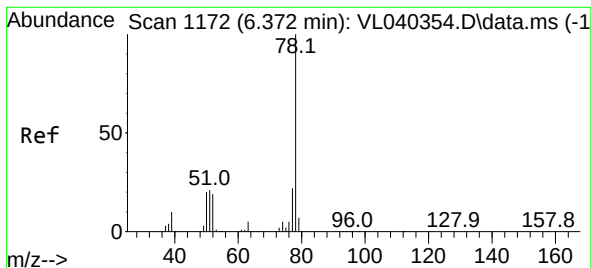
Reviewed By :Semsettin Yesilyurt 05/16/2023
Supervised By :Mahesh Dadoda 05/16/2023



#35
Carbon Tetrachloride
Concen: 0.065 ppbv m
RT: 6.494 min Scan# 1210
Delta R.T. -0.000 min
Lab File: VL040424.D
Acq: 12 May 2023 18:51

Tgt Ion:117 Resp: 10644
Ion Ratio Lower Upper
117 100
119 65.0 76.6 114.8#
121 17.8 25.3 37.9#





#36

Benzene

Concen: 0.430 ppbv

RT: 6.359 min Scan# 1168

Delta R.T. -0.013 min

Lab File: VL040424.D

Acq: 12 May 2023 18:51

Instrument :

MSVOA_L

ClientSampleId :

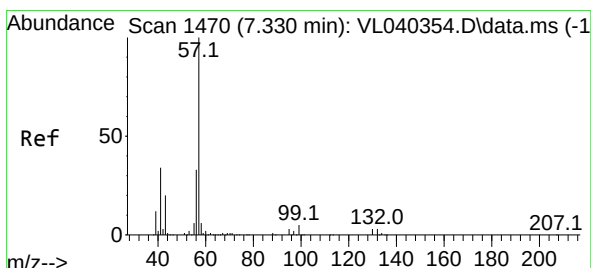
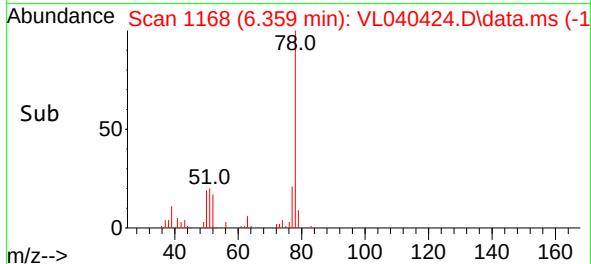
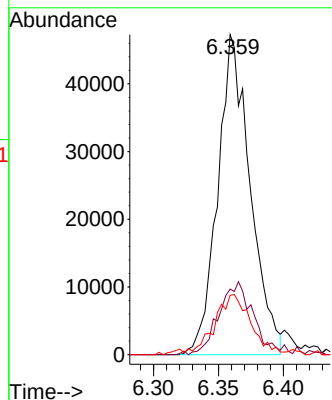
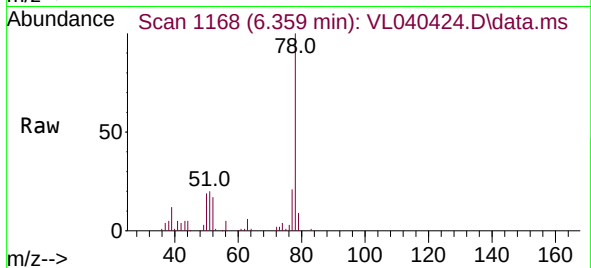
OA1

Tgt Ion: 78	Resp: 82130
Ion Ratio	Lower Upper
78 100	
77 20.1	17.8 26.8
50 17.7	15.6 23.4

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Reviewed By :Semsettin Yesilyurt 05/16/2023
Supervised By :Mahesh Dadoda 05/16/2023



#44

2,2,4-Trimethylpentane

Concen: 0.323 ppbv

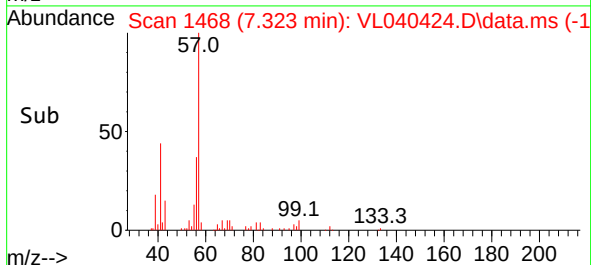
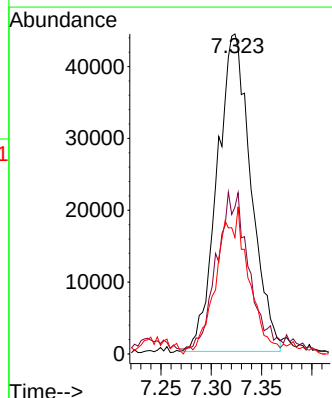
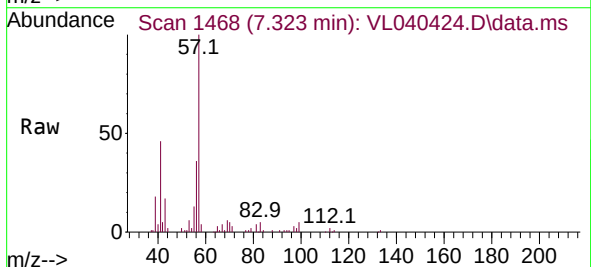
RT: 7.323 min Scan# 1468

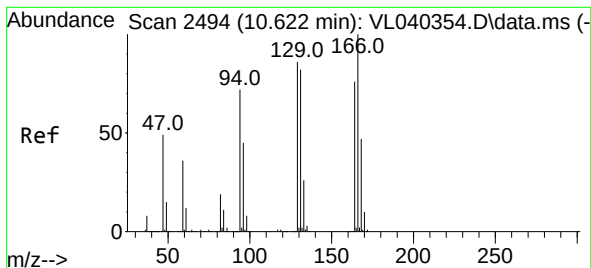
Delta R.T. -0.007 min

Lab File: VL040424.D

Acq: 12 May 2023 18:51

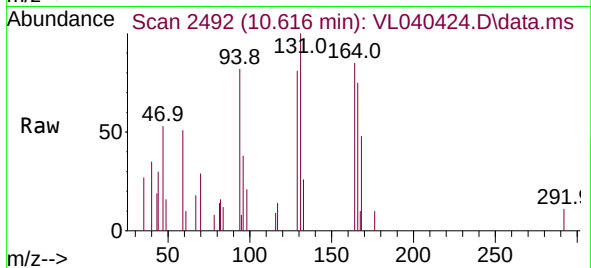
Tgt Ion: 57	Resp: 103171
Ion Ratio	Lower Upper
57 100	
41 51.3	26.9 40.3#
56 46.0	25.1 37.7#





#52
Tetrachloroethene
Concen: 0.050 ppbv m
RT: 10.616 min Scan# 2494
Delta R.T. -0.006 min
Lab File: VL040424.D
Acq: 12 May 2023 18:51

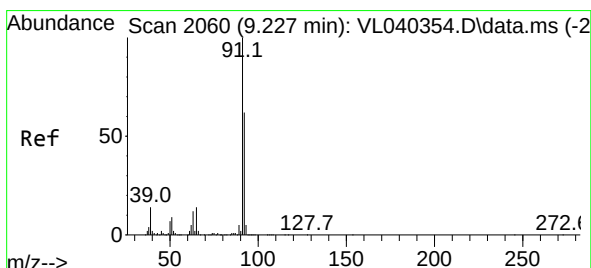
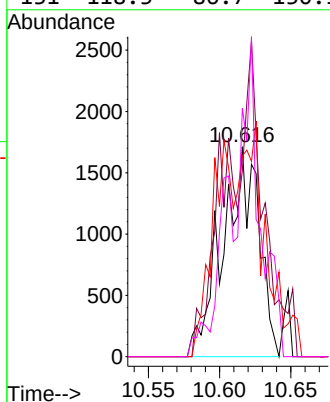
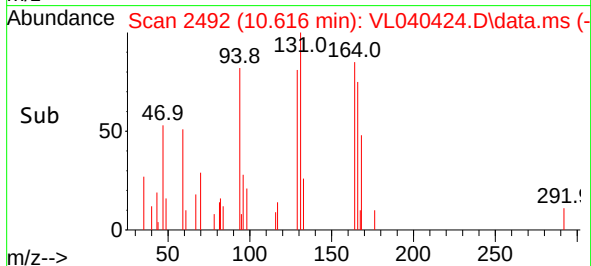
Instrument :
MSVOA_L
ClientSampleId :
OA1



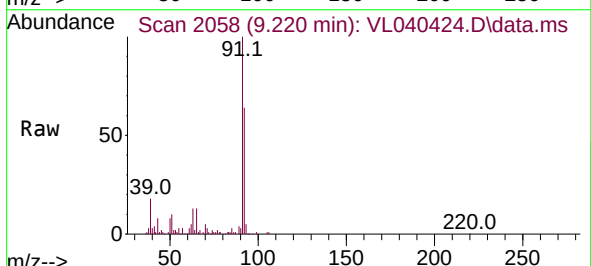
Tgt Ion:164 Resp: 3008
Ion Ratio Lower Upper
164 100
166 88.8 105.2 157.8
129 95.7 90.3 135.5
131 118.3 86.7 130.1

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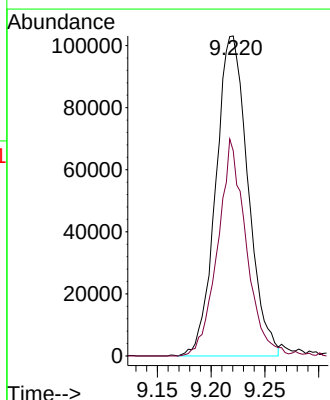
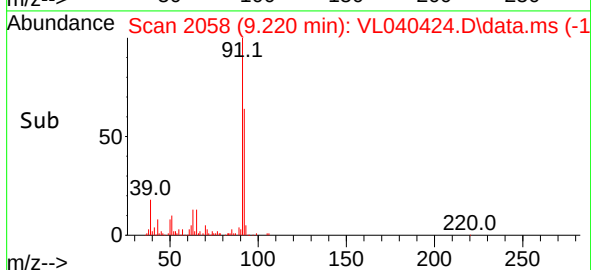
Reviewed By :Semsettin Yesilyurt 05/16/2023
Supervised By :Mahesh Dadoda 05/16/2023

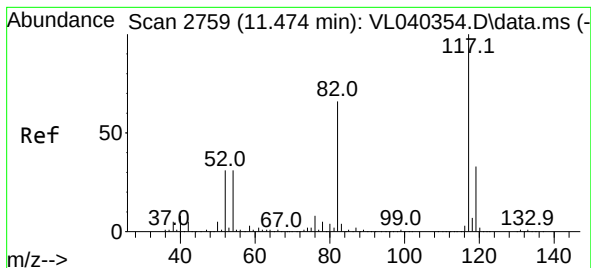


#53
Toluene
Concen: 1.059 ppbv
RT: 9.220 min Scan# 2058
Delta R.T. -0.007 min
Lab File: VL040424.D
Acq: 12 May 2023 18:51



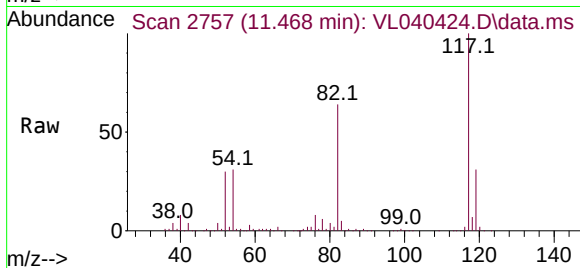
Tgt Ion: 91 Resp: 214306
Ion Ratio Lower Upper
91 100
92 60.6 48.9 73.3





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.468 min Scan# 21
Delta R.T. -0.006 min
Lab File: VL040424.D
Acq: 12 May 2023 18:51

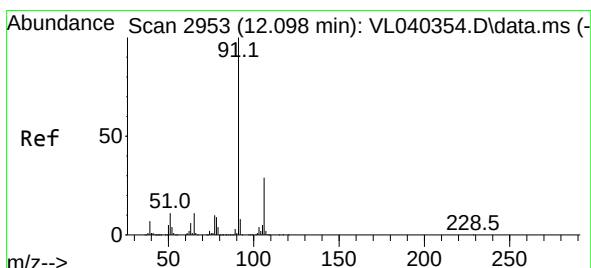
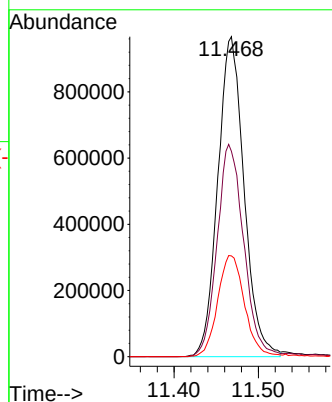
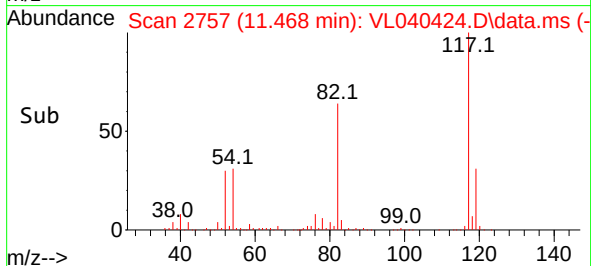
Instrument :
MSVOA_L
ClientSampleId :
OA1



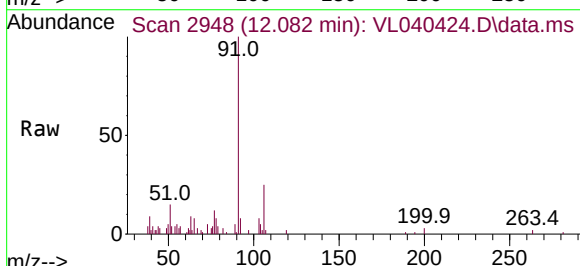
Tgt Ion: 117 Resp: 209222
Ion Ratio Lower Upper
117 100
82 68.8 52.5 78.7
119 32.8 24.3 36.5

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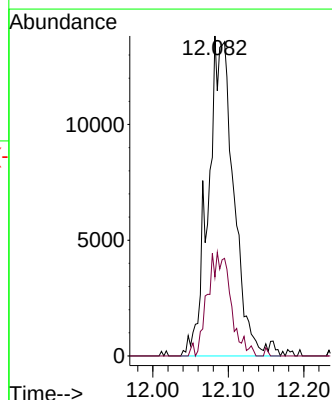
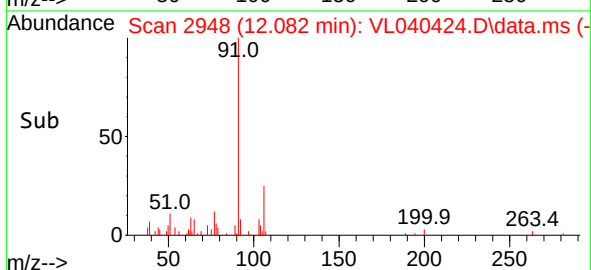
Reviewed By :Semsettin Yesilyurt 05/16/2023
Supervised By :Mahesh Dadoda 05/16/2023

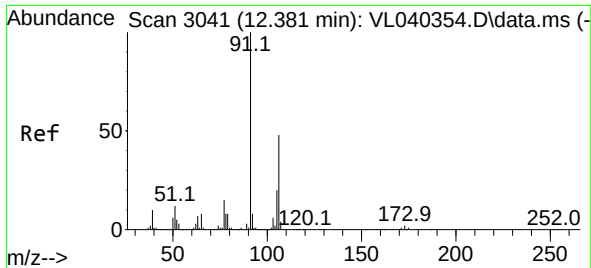


#58
Ethyl Benzene
Concen: 0.127 ppbv m
RT: 12.082 min Scan# 2948
Delta R.T. -0.016 min
Lab File: VL040424.D
Acq: 12 May 2023 18:51



Tgt Ion: 91 Resp: 32650
Ion Ratio Lower Upper
91 100
106 24.7 23.5 35.3





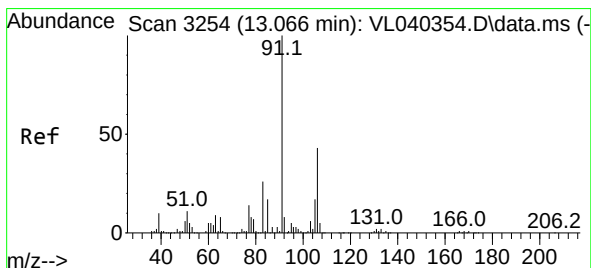
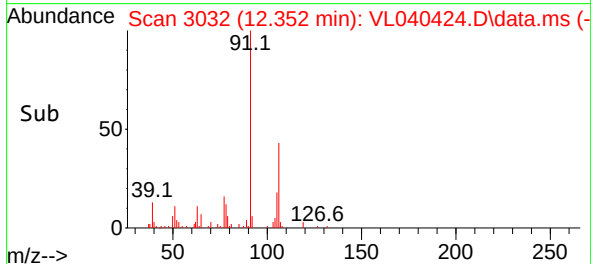
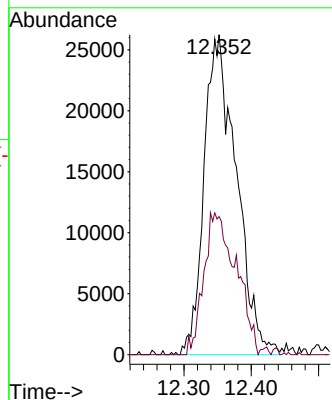
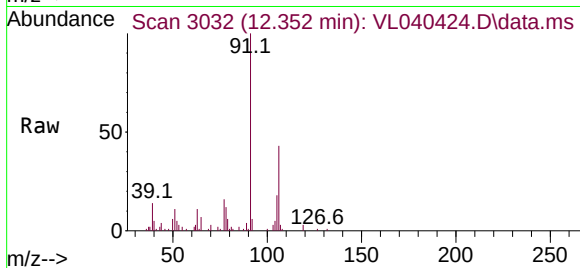
#59
m/p-Xylene
Concen: 0.367 ppbv m
RT: 12.352 min Scan# 3041
Delta R.T. -0.029 min
Lab File: VL040424.D
Acq: 12 May 2023 18:51

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 91 Resp: 86980
Ion Ratio Lower Upper
91 100
106 0.0 34.7 52.1

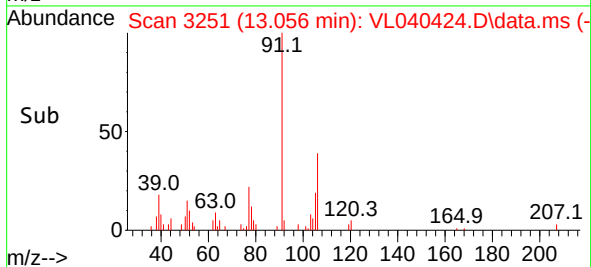
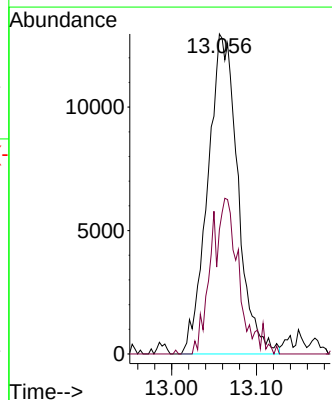
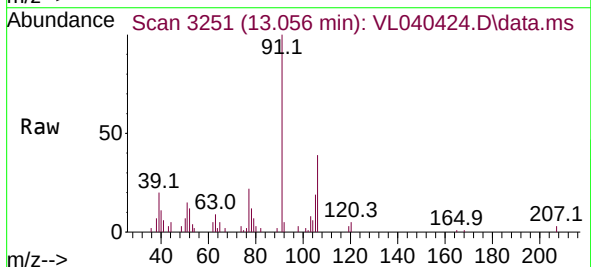
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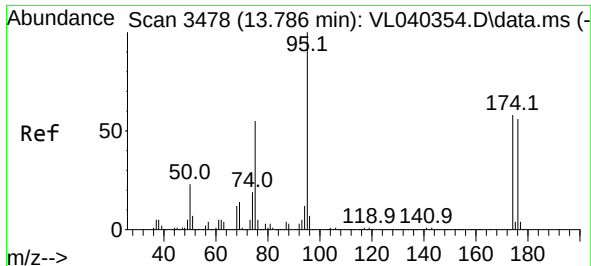
Reviewed By :Semsettin Yesilyurt 05/16/2023
Supervised By :Mahesh Dadoda 05/16/2023



#60
o-Xylene
Concen: 0.141 ppbv m
RT: 13.056 min Scan# 3251
Delta R.T. -0.010 min
Lab File: VL040424.D
Acq: 12 May 2023 18:51

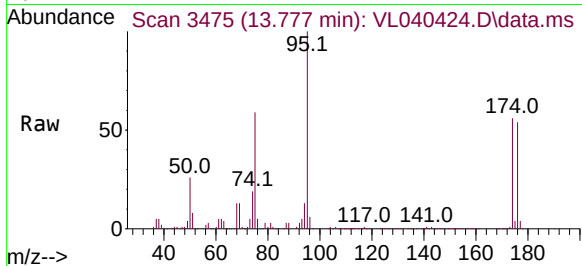
Tgt Ion: 91 Resp: 32005
Ion Ratio Lower Upper
91 100
106 44.7 21.9 65.8





#68
1-Bromo-4-Fluorobenzene
Concen: 9.716 ppbv
RT: 13.777 min Scan# 3475
Delta R.T. -0.009 min
Lab File: VL040424.D
Acq: 12 May 2023 18:51

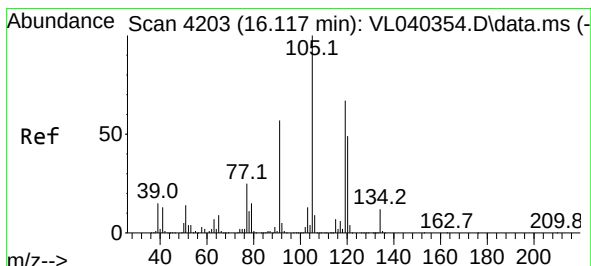
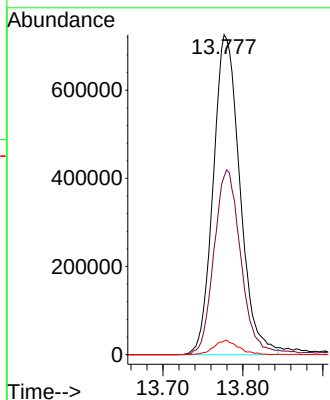
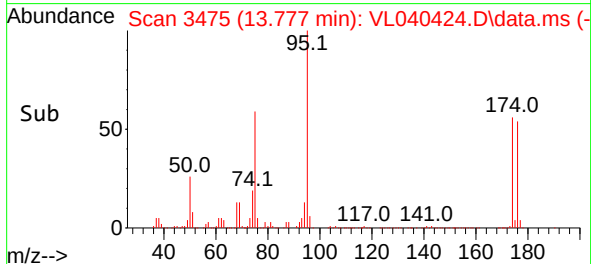
Instrument :
MSVOA_L
ClientSampleId :
OA1



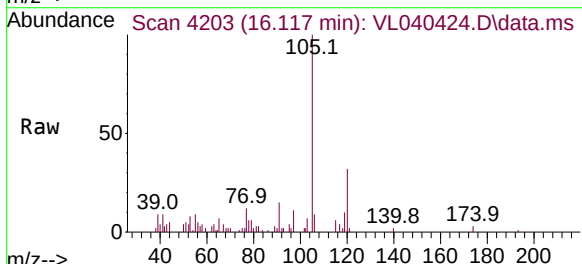
Tgt Ion: 95 Resp: 168091
Ion Ratio Lower Upper
95 100
174 59.3 47.2 70.8
175 4.3 3.5 5.3

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Reviewed By :Semsettin Yesilyurt 05/16/2023
Supervised By :Mahesh Dadoda 05/16/2023



#74
1,2,4-Trimethylbenzene
Concen: 0.137 ppbv m
RT: 16.117 min Scan# 4203
Delta R.T. 0.000 min
Lab File: VL040424.D
Acq: 12 May 2023 18:51



Tgt Ion:105 Resp: 36167
Ion Ratio Lower Upper
105 100
120 31.9 38.9 58.3#
91 14.8 46.0 69.0#
77 12.3 20.0 30.0#

