

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041923\
 Data File : VL040379.D
 Acq On : 19 Apr 2023 14:32
 Operator : SY/MD
 Sample : 02368-02DUP
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 AP3-ADUP

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 04/20/2023
 Supervised By : Mahesh Dadoda 04/22/2023

Quant Time: Apr 20 05:10:02 2023

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2023

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	1090278	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.645	114	2655637	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.465	117	2352226	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.777	95	1920223	9.872	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.700%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.710	85	81511	0.415	ppbv	98
3) Chlorodifluoromethane	2.655	51	64033m	0.449	ppbv	
4) Chloromethane	2.796	50	47780	0.531	ppbv	89
9) Propene	2.684	41	96397	1.713	ppbv #	82
11) Trichlorofluoromethane	3.549	101	42901m	0.216	ppbv	
12) 1,1,2-Trichlorotrifluo...	4.057	101	10674	0.077	ppbv	91
13) Ethanol	3.234	45	12700635	2703.044	ppbv	96
15) Acetone	3.452	43	1407127	9.112	ppbv	99
19) Isopropyl Alcohol	3.574	45	1048009	14.874	ppbv #	96
20) Methylene Chloride	3.918	84	315124	5.111	ppbv	95
26) Hexane	5.201	57	506942	4.628	ppbv #	43
29) Chloroform	5.262	83	77774	0.399	ppbv	89
34) 2-Butanone	4.777	43	135165	0.944	ppbv	99
35) Carbon Tetrachloride	6.481	117	12048m	0.064	ppbv	
36) Benzene	6.365	78	124620	0.575	ppbv	97
44) 2,2,4-Trimethylpentane	7.320	57	80157m	0.221	ppbv	
52) Tetrachloroethene	10.610	164	3279m	0.048	ppbv	
53) Toluene	9.220	91	297439	1.295	ppbv	99
58) Ethyl Benzene	12.089	91	50938	0.176	ppbv	97
59) m/p-Xylene	12.343	91	158172	0.594	ppbv	99
60) o-Xylene	13.060	91	80148m	0.314	ppbv	
74) 1,2,4-Trimethylbenzene	16.114	105	72126	0.242	ppbv #	62
76) 1,4-Dichlorobenzene	16.481	146	15545m	0.097	ppbv	

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

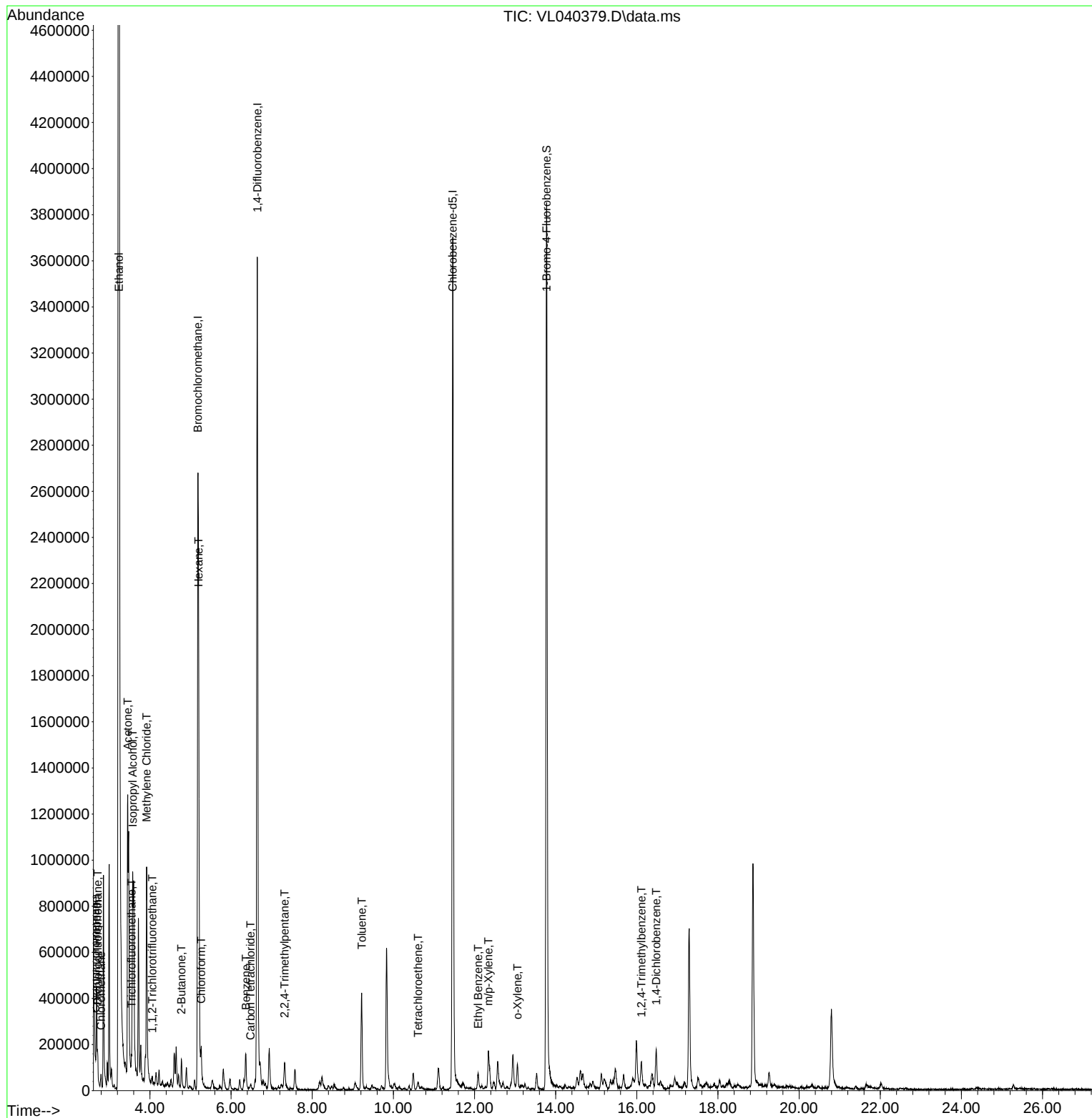
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041923\
Data File : VL040379.D
Acq On : 19 Apr 2023 14:32
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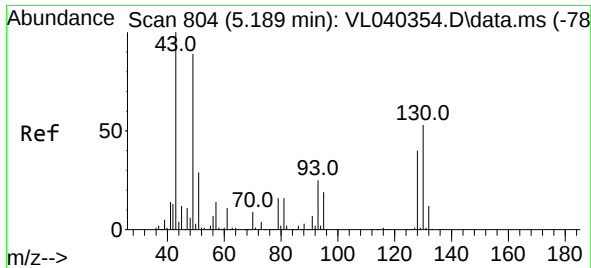
Instrument :
MSVOA_L
ClientSampleId :
AP3-ADUP

Quant Time: Apr 20 05:10:02 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

Manual Integrations
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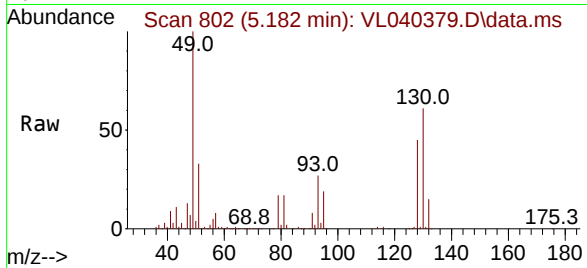
Reviewed By : Semsettin Yesilyurt 04/20/2023
Supervised By : Mahesh Dadoda 04/22/2023





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.182 min Scan# 80
Delta R.T. -0.007 min
Lab File: VL040379.D
Acq: 19 Apr 2023 14:32

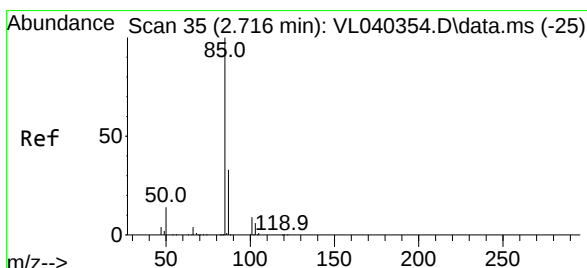
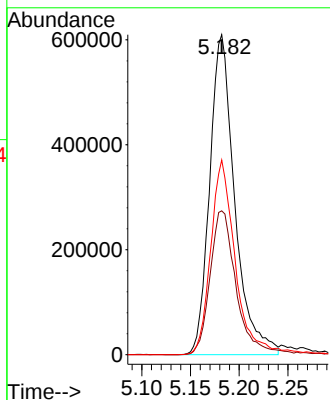
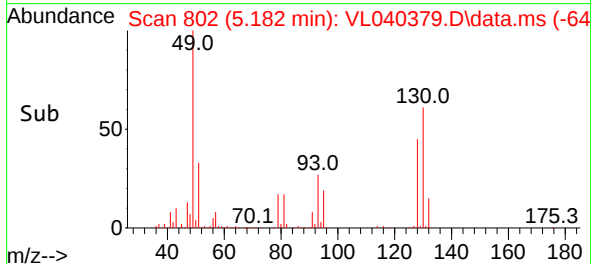
Instrument :
MSVOA_L
ClientSampleId :
AP3-ADUP



Tgt Ion: 49 Resp: 1090278
Ion Ratio Lower Upper
49 100
128 47.3 23.7 71.1
130 60.8 29.9 89.8

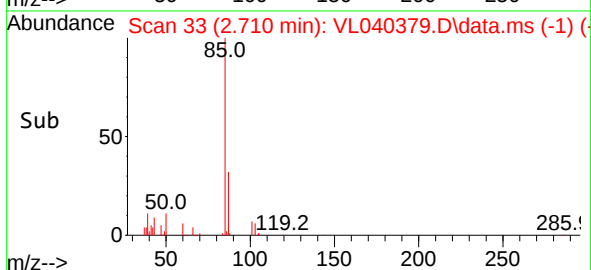
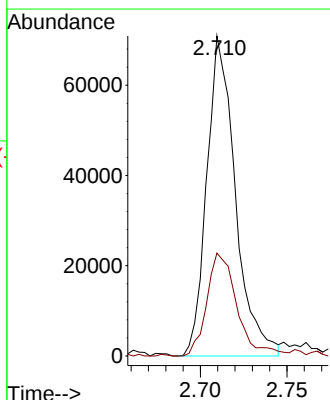
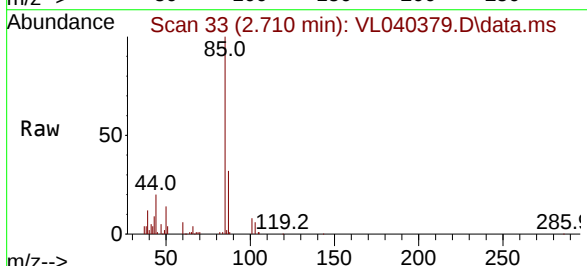
Manual Integrations
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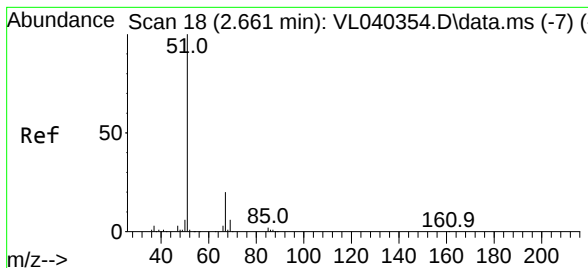
Reviewed By :Semsettin Yesilyurt 04/20/2023
Supervised By :Mahesh Dadoda 04/22/2023



#2
Dichlorodifluoromethane
Concen: 0.415 ppbv
RT: 2.710 min Scan# 33
Delta R.T. -0.006 min
Lab File: VL040379.D
Acq: 19 Apr 2023 14:32

Tgt Ion: 85 Resp: 81511
Ion Ratio Lower Upper
85 100
87 32.1 26.6 40.0





#3

Chlorodifluoromethane

Concen: 0.449 ppbv

RT: 2.655 min Scan# 1

Delta R.T. -0.006 min

Lab File: VL040379.D

Acq: 19 Apr 2023 14:32

Instrument :

MSVOA_L

ClientSampleId :

AP3-ADUP

Tgt Ion: 51 Resp: 6403

Ion Ratio Lower Upper

51 100

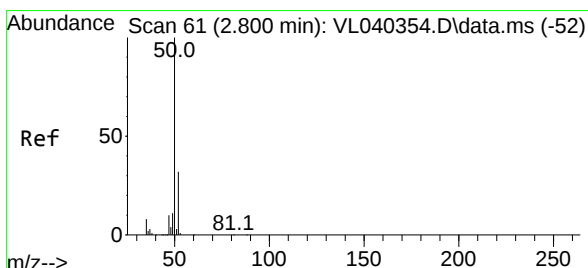
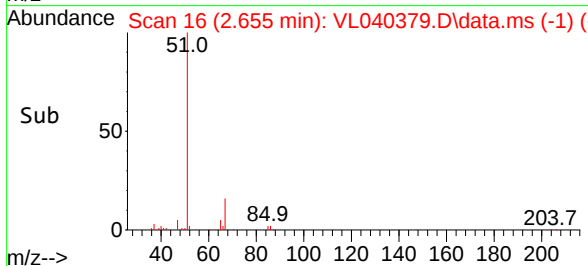
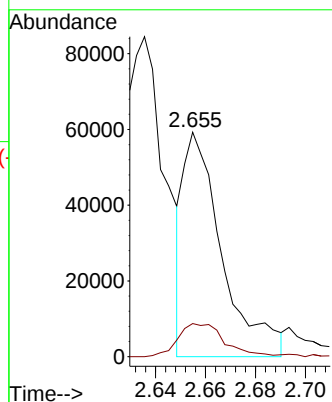
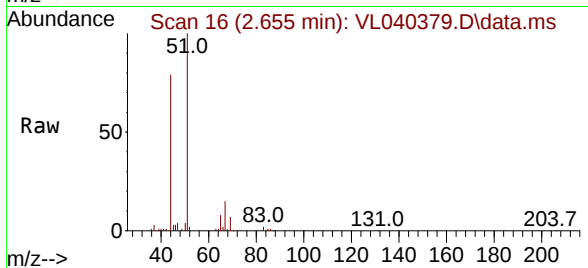
67 18.4 15.5 23.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/20/2023

Supervised By :Mahesh Dadoda 04/22/2023



#4

Chloromethane

Concen: 0.531 ppbv

RT: 2.796 min Scan# 60

Delta R.T. -0.004 min

Lab File: VL040379.D

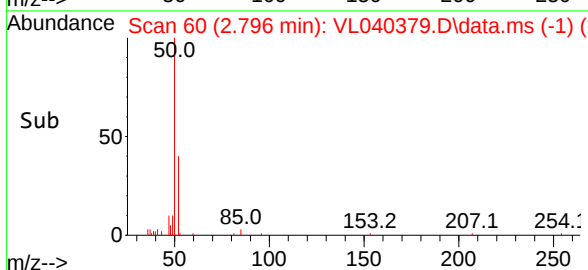
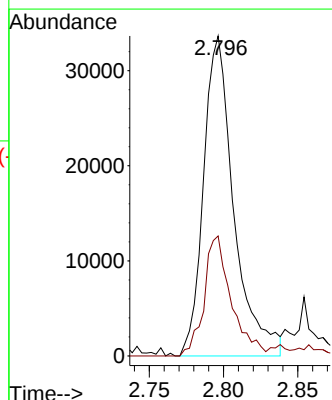
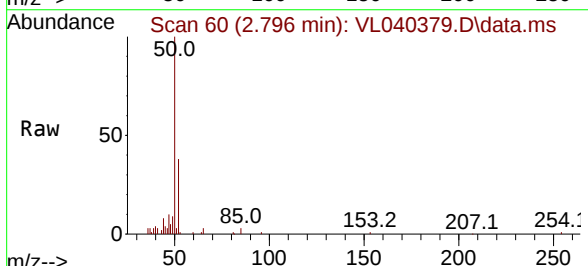
Acq: 19 Apr 2023 14:32

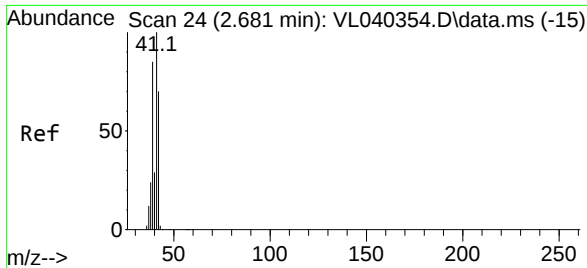
Tgt Ion: 50 Resp: 47780

Ion Ratio Lower Upper

50 100

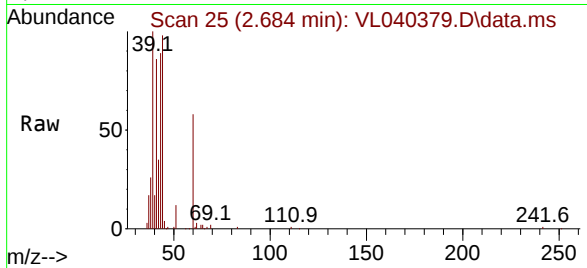
52 37.5 25.3 37.9





#9
Propene
Concen: 1.713 ppbv
RT: 2.684 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL040379.D
Acq: 19 Apr 2023 14:32

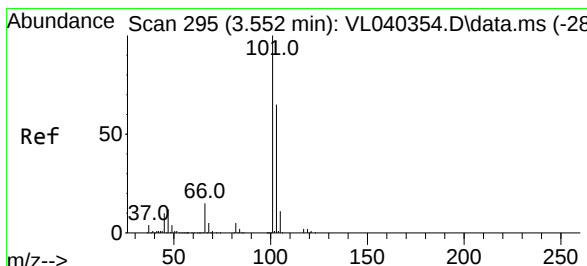
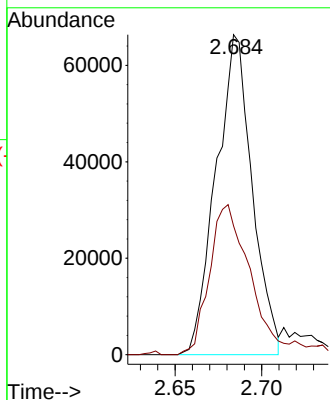
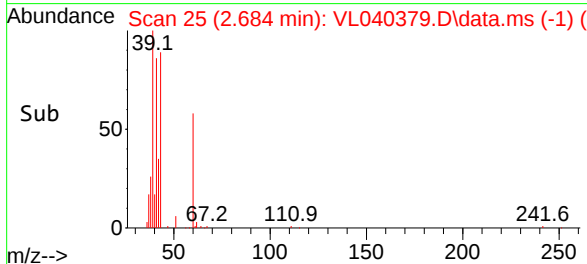
Instrument :
MSVOA_L
ClientSampleId :
AP3-ADUP



Tgt Ion: 41 Resp: 9639
Ion Ratio Lower Upper
41 100
42 55.6 56.5 84.7

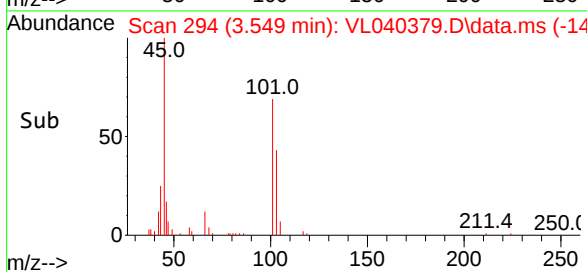
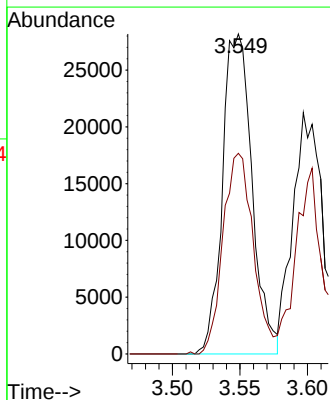
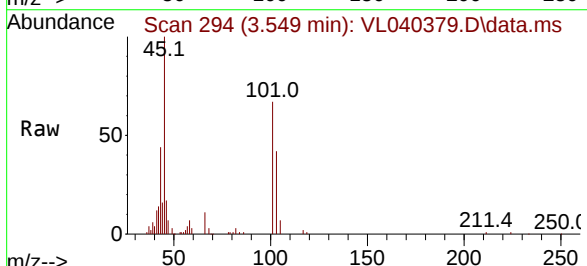
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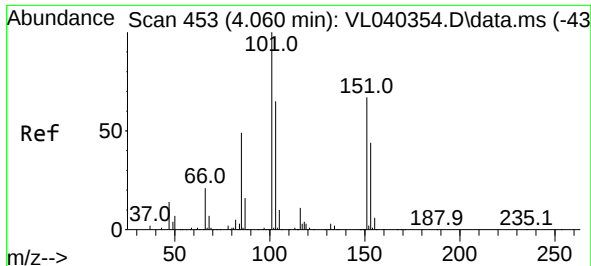
Reviewed By :Semsettin Yesilyurt 04/20/2023
Supervised By :Mahesh Dadoda 04/22/2023



#11
Trichlorofluoromethane
Concen: 0.216 ppbv m
RT: 3.549 min Scan# 294
Delta R.T. -0.003 min
Lab File: VL040379.D
Acq: 19 Apr 2023 14:32

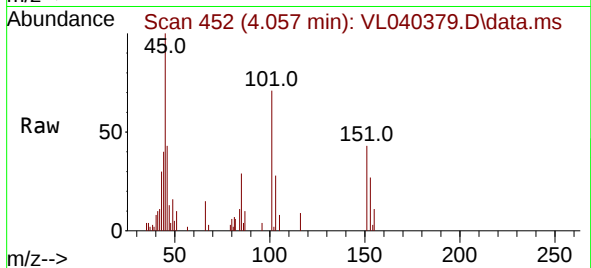
Tgt Ion:101 Resp: 42901
Ion Ratio Lower Upper
101 100
103 62.7 52.2 78.4





#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.077 ppbv
RT: 4.057 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL040379.D
Acq: 19 Apr 2023 14:32

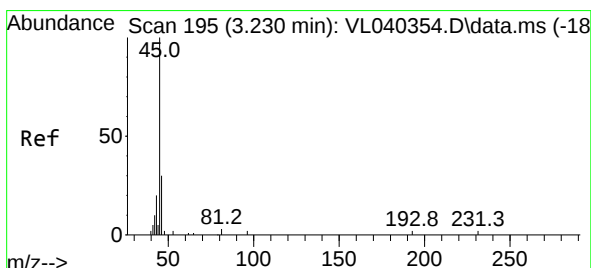
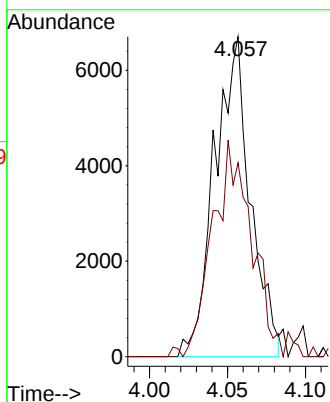
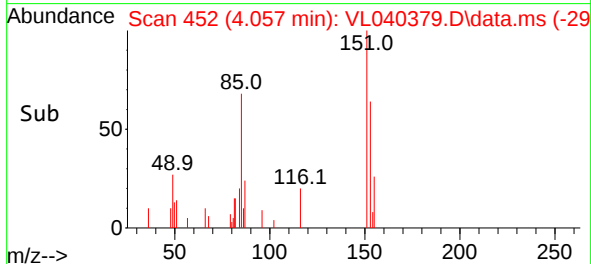
Instrument :
MSVOA_L
ClientSampleId :
AP3-ADUP



Tgt Ion:101 Resp: 10674
Ion Ratio Lower Upper
101 100
151 76.1 54.7 82.1

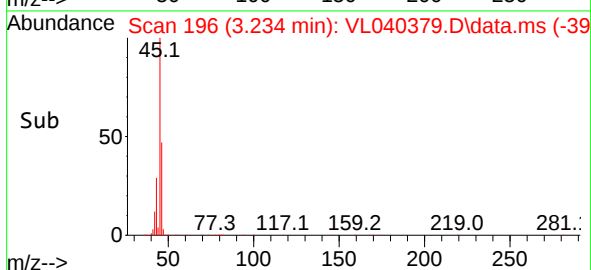
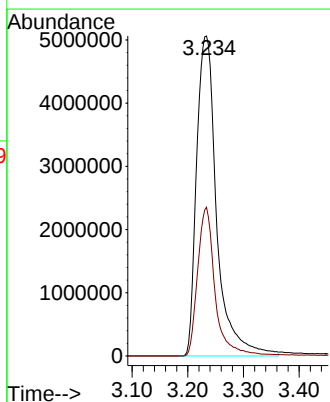
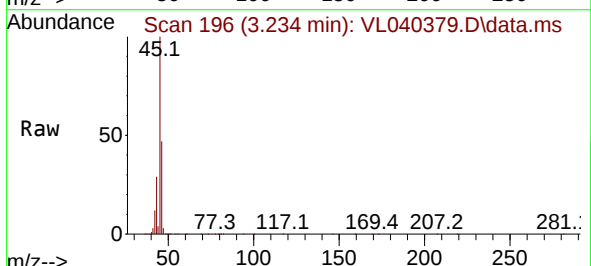
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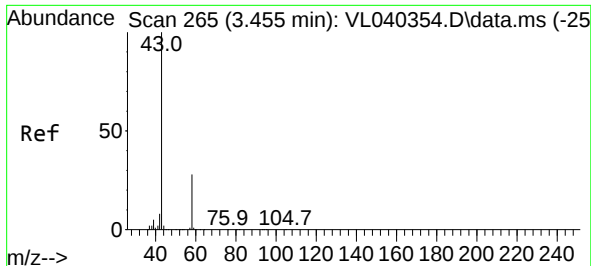
Reviewed By :Semsettin Yesilyurt 04/20/2023
Supervised By :Mahesh Dadoda 04/22/2023



#13
Ethanol
Concen: 2703.044 ppbv
RT: 3.234 min Scan# 196
Delta R.T. 0.004 min
Lab File: VL040379.D
Acq: 19 Apr 2023 14:32

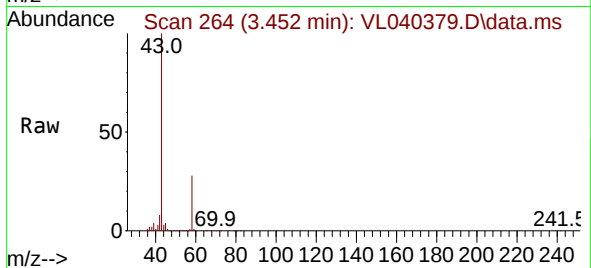
Tgt Ion: 45 Resp:12700635
Ion Ratio Lower Upper
45 100
46 40.8 15.3 61.3





#15
Acetone
Concen: 9.112 ppbv
RT: 3.452 min Scan# 20
Delta R.T. -0.003 min
Lab File: VL040379.D
Acq: 19 Apr 2023 14:32

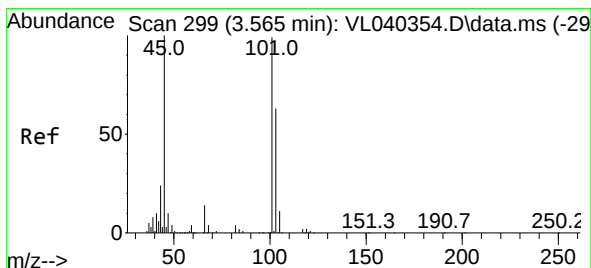
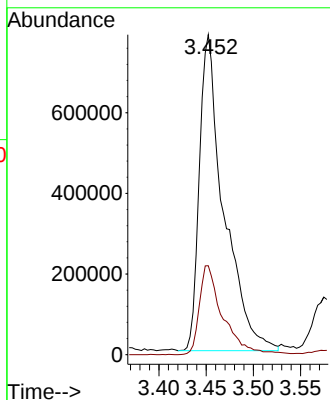
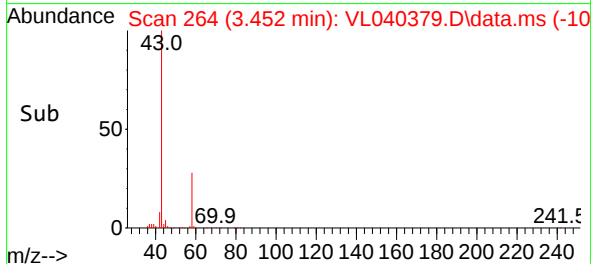
Instrument :
MSVOA_L
ClientSampleId :
AP3-ADUP



Tgt Ion: 43 Resp: 140712
Ion Ratio Lower Upper
43 100
58 27.1 22.2 33.2

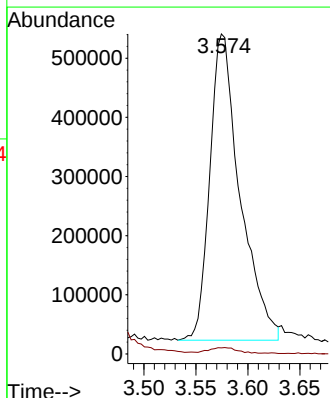
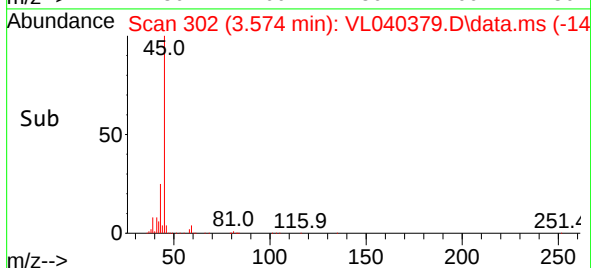
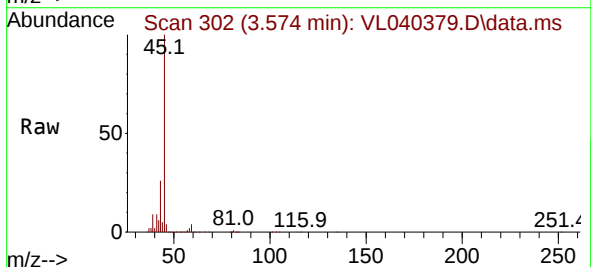
Manual Integrations
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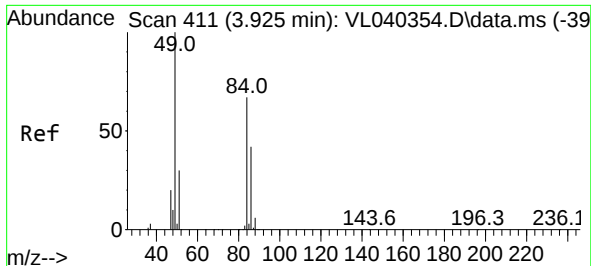
Reviewed By :Semsettin Yesilyurt 04/20/2023
Supervised By :Mahesh Dadoda 04/22/2023



#19
Isopropyl Alcohol
Concen: 14.874 ppbv
RT: 3.574 min Scan# 302
Delta R.T. 0.009 min
Lab File: VL040379.D
Acq: 19 Apr 2023 14:32

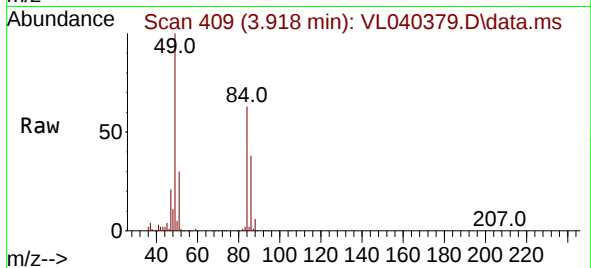
Tgt Ion: 45 Resp: 1048009
Ion Ratio Lower Upper
45 100
58 1.9 2.6 4.0#





#20
Methylene Chloride
Concen: 5.111 ppbv
RT: 3.918 min Scan# 409
Delta R.T. -0.007 min
Lab File: VL040379.D
Acq: 19 Apr 2023 14:32

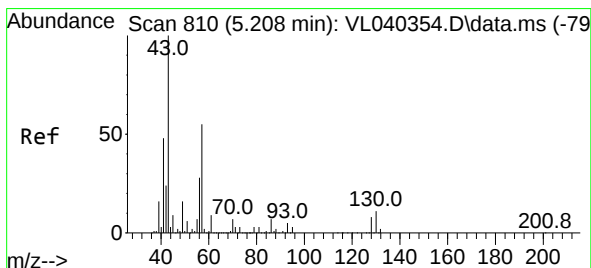
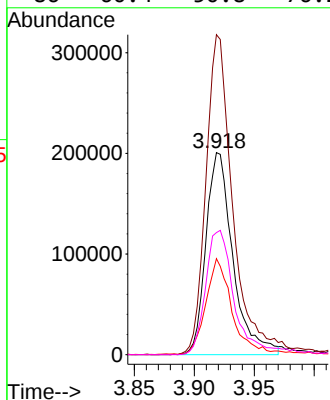
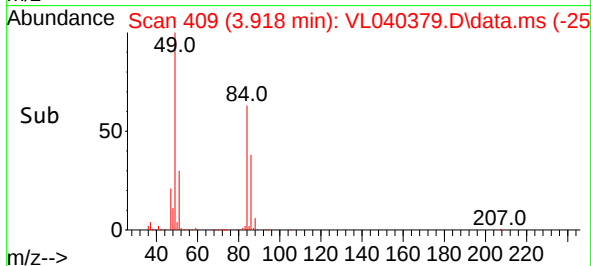
Instrument :
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Tgt Ion: 84 Resp: 315124
Ion Ratio Lower Upper
84 100
49 158.2 120.1 180.1
51 47.4 36.3 54.5
86 60.4 50.8 76.2

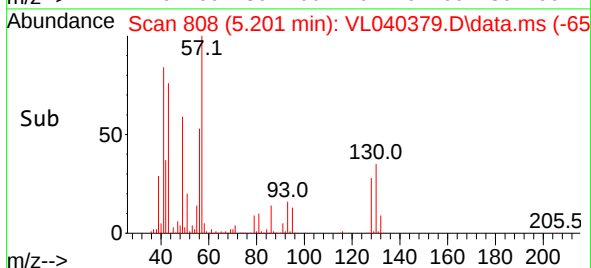
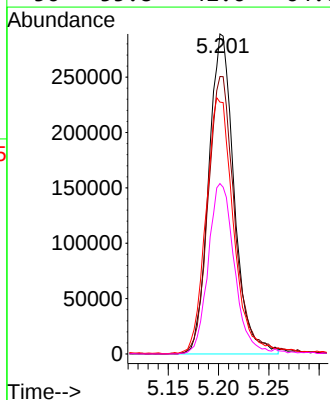
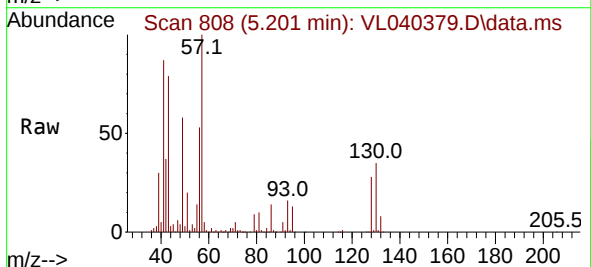
Manual Integrations
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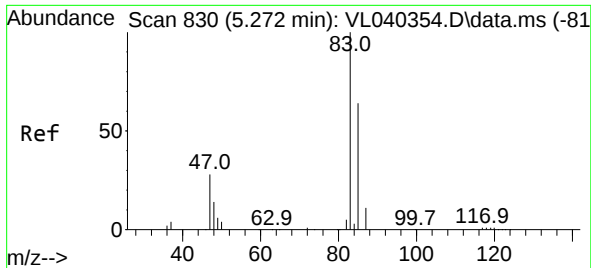
Reviewed By :Semsettin Yesilyurt 04/20/2023
Supervised By :Mahesh Dadoda 04/22/2023



#26
Hexane
Concen: 4.628 ppbv
RT: 5.201 min Scan# 808
Delta R.T. -0.007 min
Lab File: VL040379.D
Acq: 19 Apr 2023 14:32

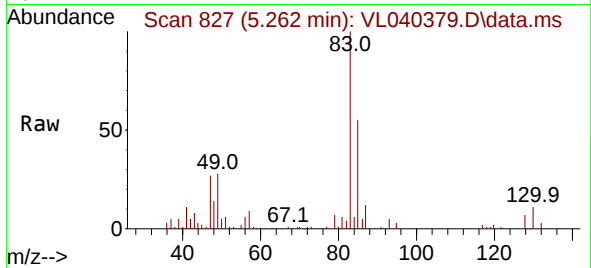
Tgt Ion: 57 Resp: 506942
Ion Ratio Lower Upper
57 100
41 92.5 74.8 112.2
43 87.3 192.7 289.1#
56 55.8 42.6 64.0





#29
Chloroform
Concen: 0.399 ppbv
RT: 5.262 min Scan# 81
Delta R.T. -0.010 min
Lab File: VL040379.D
Acq: 19 Apr 2023 14:32

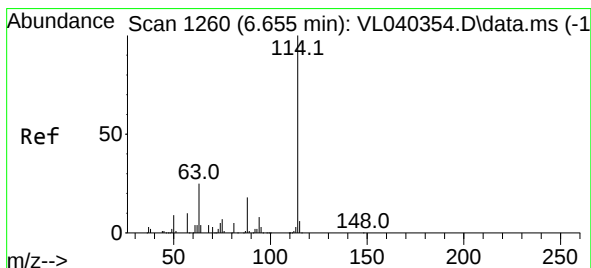
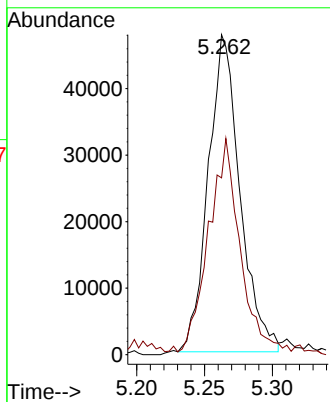
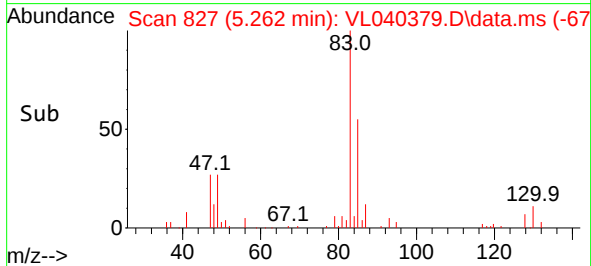
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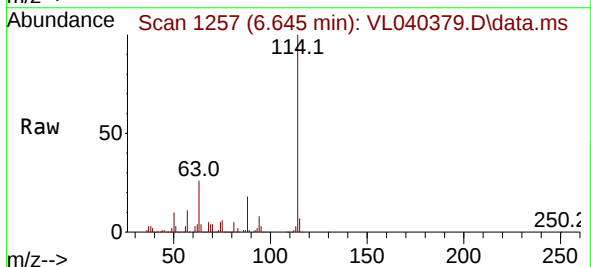
Tgt Ion: 83 Resp: 77774
Ion Ratio Lower Upper
83 100
85 54.9 51.0 76.4

Manual Integrations
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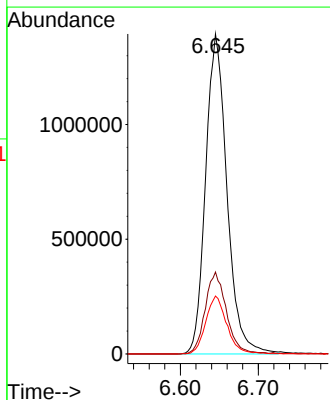
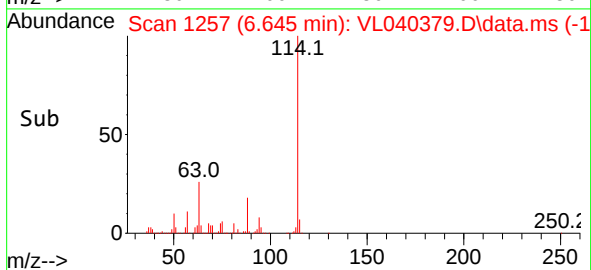
Reviewed By :Semsettin Yesilyurt 04/20/2023
Supervised By :Mahesh Dadoda 04/22/2023

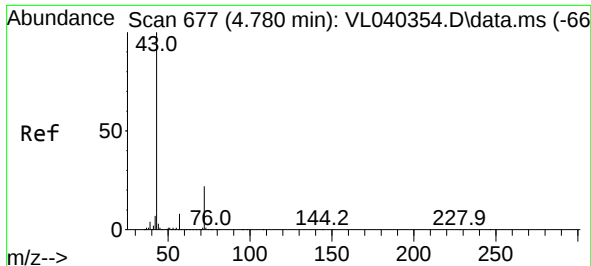


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.645 min Scan# 1257
Delta R.T. -0.010 min
Lab File: VL040379.D
Acq: 19 Apr 2023 14:32



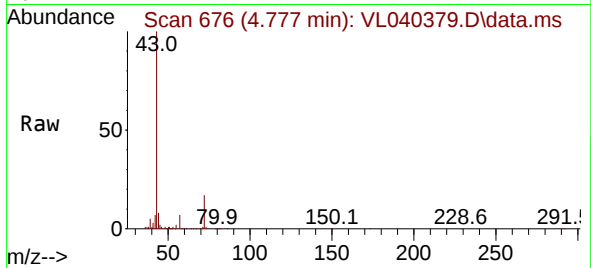
Tgt Ion:114 Resp: 2655637
Ion Ratio Lower Upper
114 100
63 25.8 21.4 32.0
88 18.0 14.6 22.0





#34
2-Butanone
Concen: 0.944 ppbv
RT: 4.777 min Scan# 61
Delta R.T. -0.003 min
Lab File: VL040379.D
Acq: 19 Apr 2023 14:32

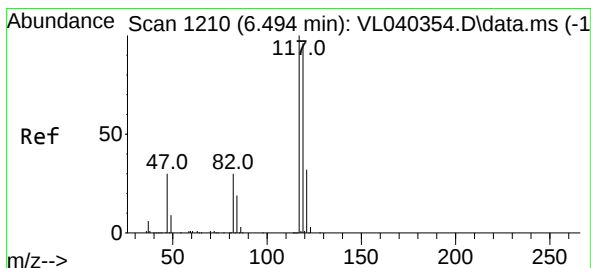
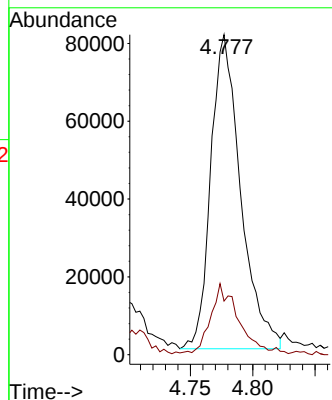
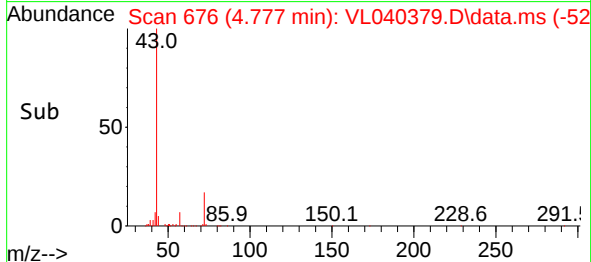
Instrument :
MSVOA_L
ClientSampleId :
AP3-ADUP



Tgt Ion: 43 Resp: 13516
Ion Ratio Lower Upper
43 100
72 22.5 18.4 27.6

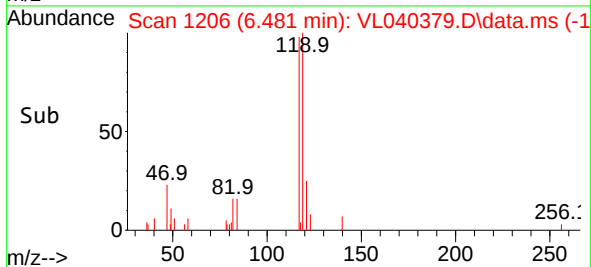
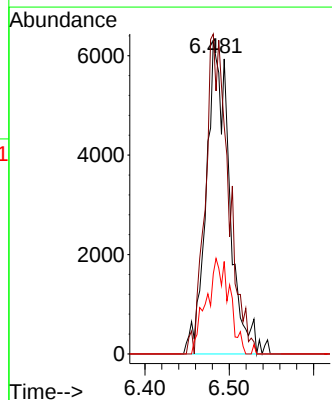
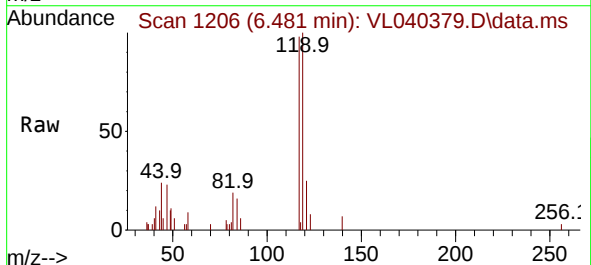
Manual Integrations
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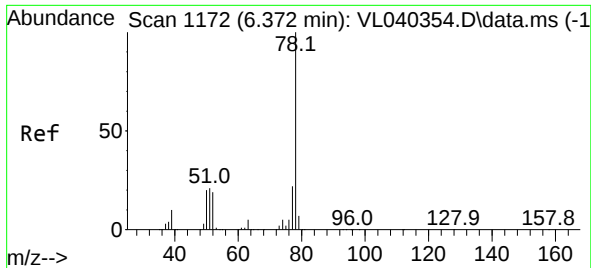
Reviewed By :Semsettin Yesilyurt 04/20/2023
Supervised By :Mahesh Dadoda 04/22/2023



#35
Carbon Tetrachloride
Concen: 0.064 ppbv m
RT: 6.481 min Scan# 1206
Delta R.T. -0.013 min
Lab File: VL040379.D
Acq: 19 Apr 2023 14:32

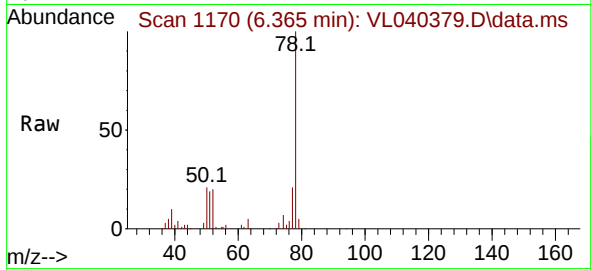
Tgt Ion:117 Resp: 12048
Ion Ratio Lower Upper
117 100
119 101.9 76.6 114.8
121 25.6 25.3 37.9





#36
Benzene
Concen: 0.575 ppbv
RT: 6.365 min Scan# 1172
Delta R.T. -0.007 min
Lab File: VL040379.D
Acq: 19 Apr 2023 14:32

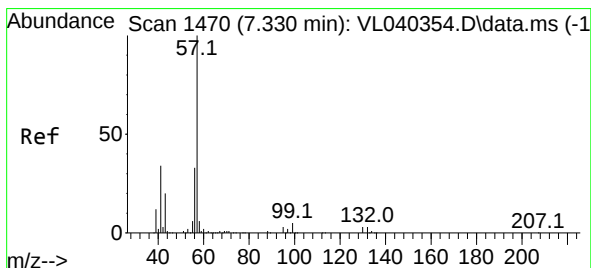
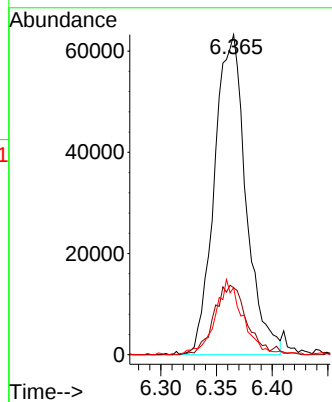
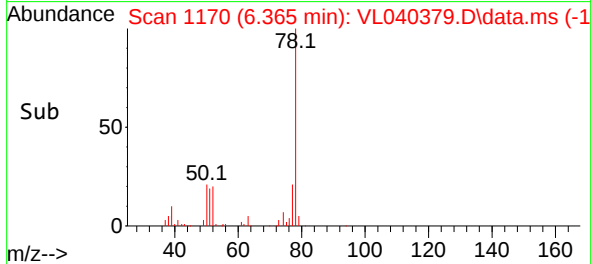
Instrument :
MSVOA_L
ClientSampleId :
AP3-ADUP



Tgt Ion: 78 Resp: 124620
Ion Ratio Lower Upper
78 100
77 20.9 17.8 26.8
50 20.6 15.6 23.4

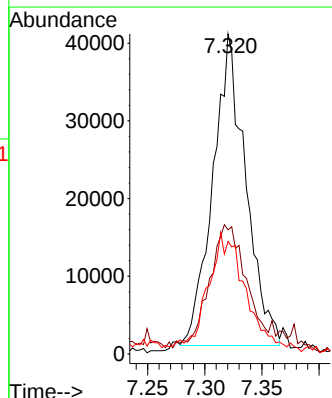
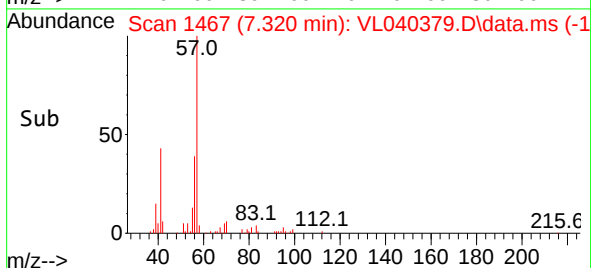
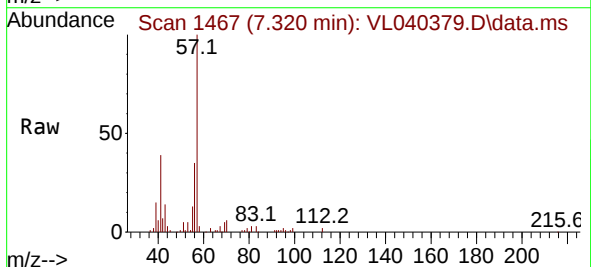
Manual Integrations
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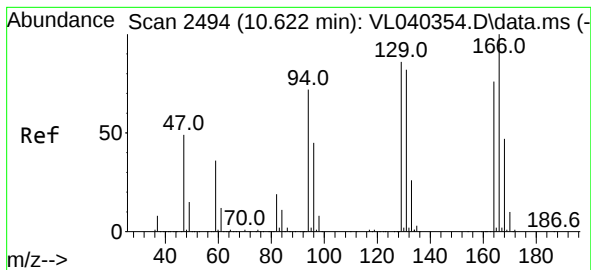
Reviewed By :Semsettin Yesilyurt 04/20/2023
Supervised By :Mahesh Dadoda 04/22/2023



#44
2,2,4-Trimethylpentane
Concen: 0.221 ppbv m
RT: 7.320 min Scan# 1467
Delta R.T. -0.010 min
Lab File: VL040379.D
Acq: 19 Apr 2023 14:32

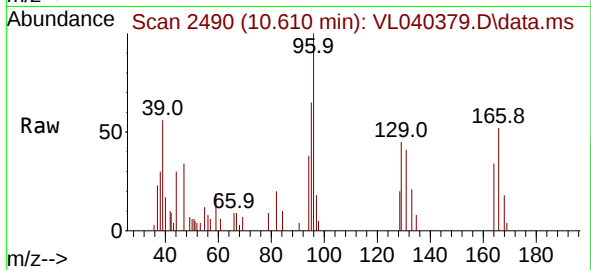
Tgt Ion: 57 Resp: 80157
Ion Ratio Lower Upper
57 100
41 54.5 26.9 40.3#
56 47.1 25.1 37.7#





#52
Tetrachloroethene
Concen: 0.048 ppbv
RT: 10.610 min Scan# 2494
Delta R.T. -0.012 min
Lab File: VL040379.D
Acq: 19 Apr 2023 14:32

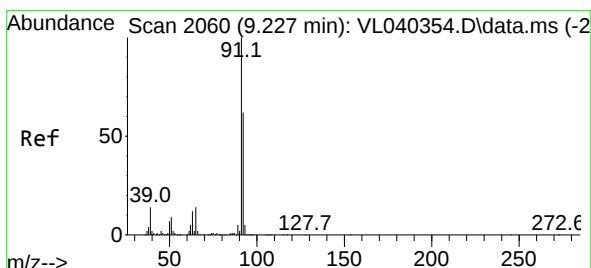
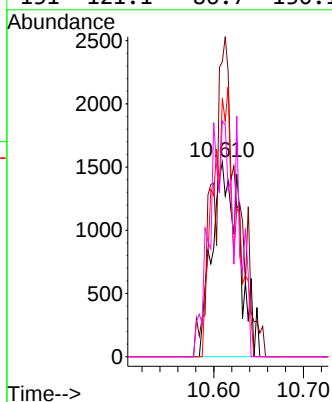
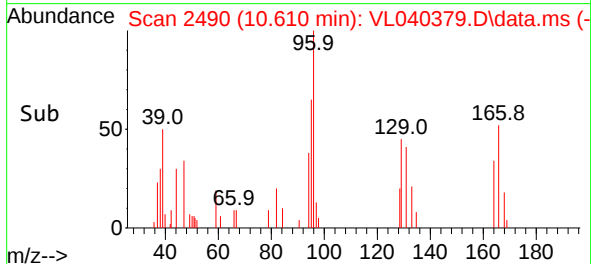
Instrument :
MSVOA_L
ClientSampleId :
AP3-ADUP



Tgt Ion: 164 Resp: 3279
Ion Ratio Lower Upper
164 100
166 151.5 105.2 157.8
129 132.7 90.3 135.5
131 121.1 86.7 130.1

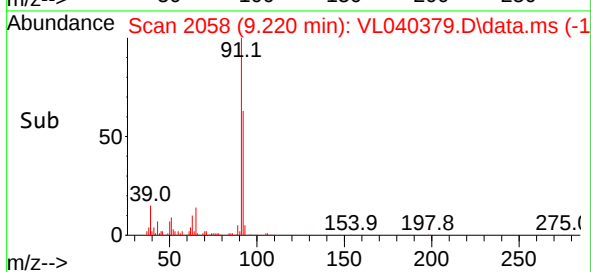
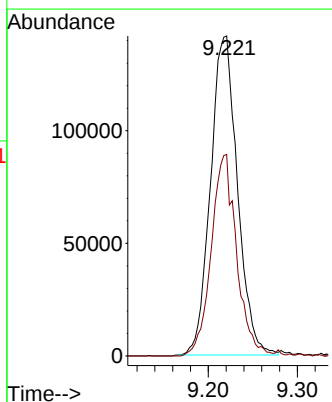
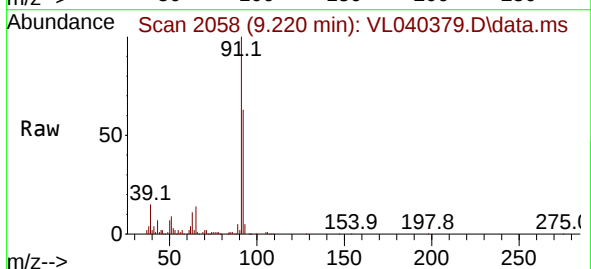
Manual Integrations
APPROVED

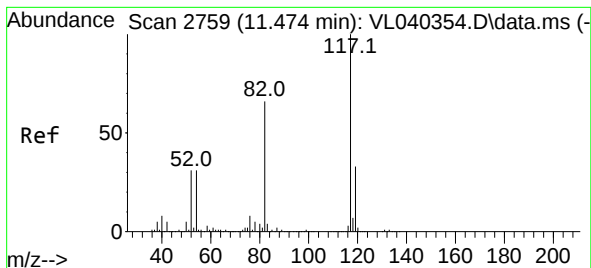
Reviewed By :Semsettin Yesilyurt 04/20/2023
Supervised By :Mahesh Dadoda 04/22/2023



#53
Toluene
Concen: 1.295 ppbv
RT: 9.220 min Scan# 2058
Delta R.T. -0.007 min
Lab File: VL040379.D
Acq: 19 Apr 2023 14:32

Tgt Ion: 91 Resp: 297439
Ion Ratio Lower Upper
91 100
92 60.2 48.9 73.3





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.465 min Scan# 21

Delta R.T. -0.009 min

Lab File: VL040379.D

Acq: 19 Apr 2023 14:32

Instrument :

MSVOA_L

ClientSampleId :

AP3-ADUP

Tgt Ion:117 Resp: 235222

Ion Ratio Lower Upper

117 100

82 67.5 52.5 78.7

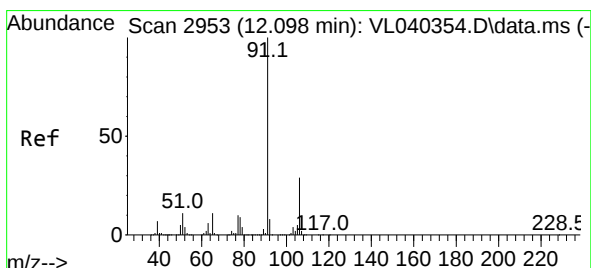
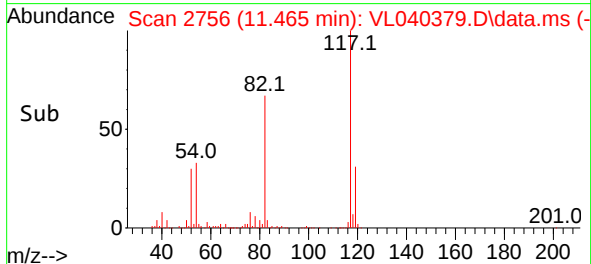
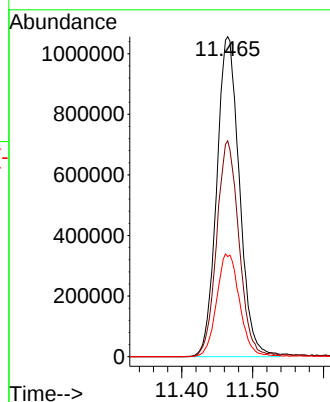
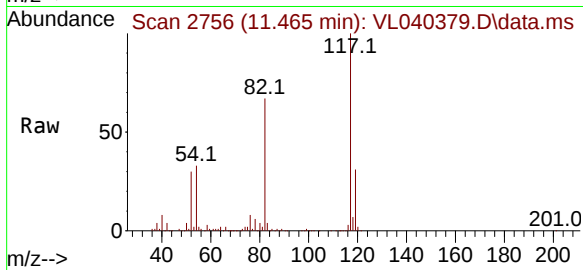
119 32.9 24.3 36.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/20/2023

Supervised By :Mahesh Dadoda 04/22/2023



#58

Ethyl Benzene

Concen: 0.176 ppbv

RT: 12.089 min Scan# 2950

Delta R.T. -0.009 min

Lab File: VL040379.D

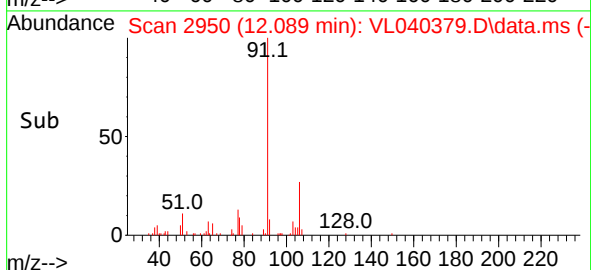
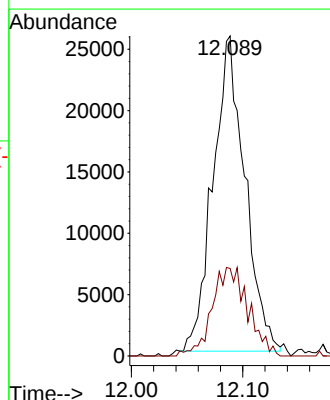
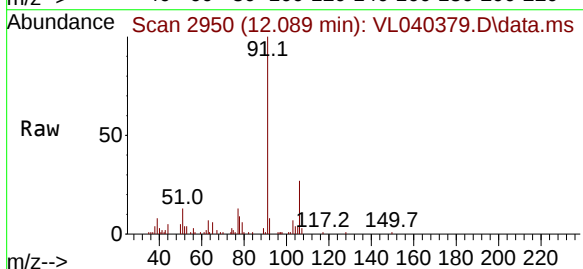
Acq: 19 Apr 2023 14:32

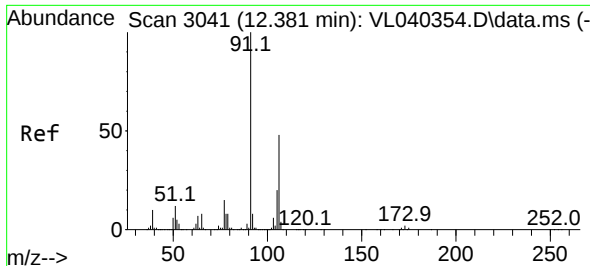
Tgt Ion: 91 Resp: 50938

Ion Ratio Lower Upper

91 100

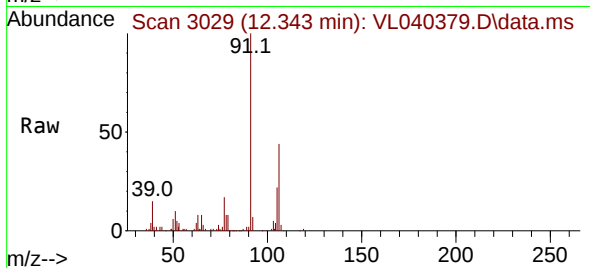
106 27.8 23.5 35.3





#59
m/p-Xylene
Concen: 0.594 ppbv
RT: 12.343 min Scan# 3041
Delta R.T. -0.038 min
Lab File: VL040379.D
Acq: 19 Apr 2023 14:32

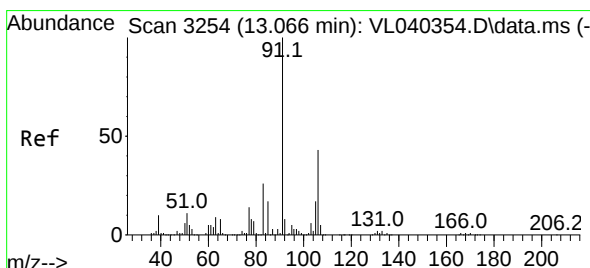
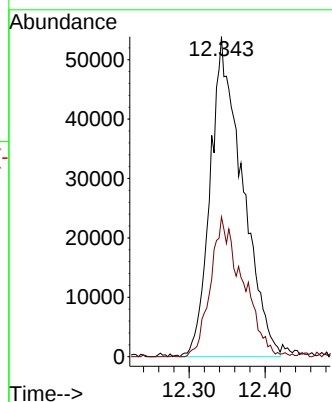
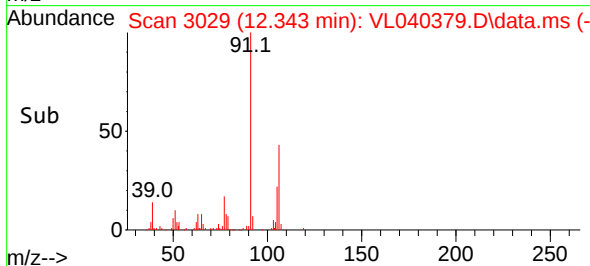
Instrument :
MSVOA_L
ClientSampleId :
AP3-ADUP



Tgt Ion: 91 Resp: 158172
Ion Ratio Lower Upper
91 100
106 43.8 34.7 52.1

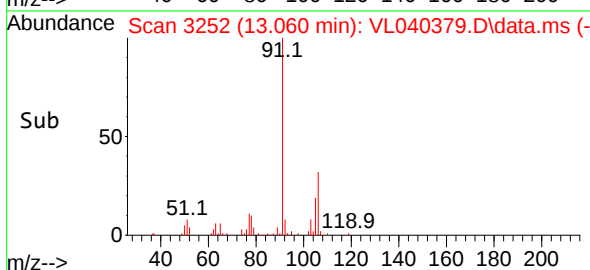
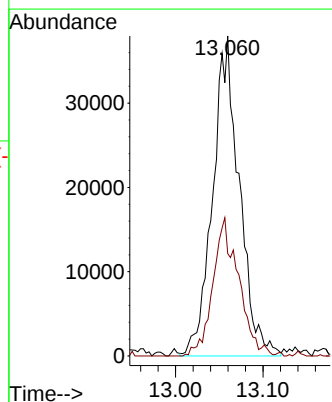
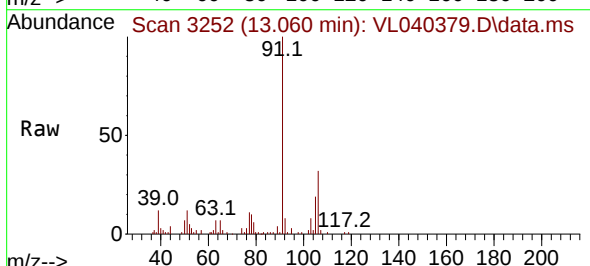
Manual Integrations
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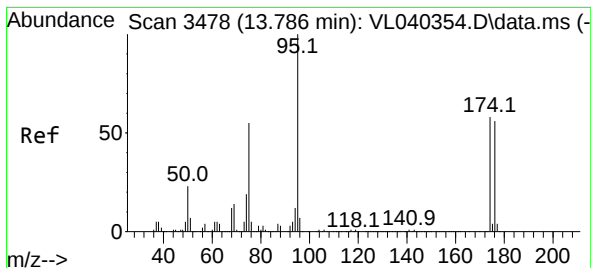
Reviewed By :Semsettin Yesilyurt 04/20/2023
Supervised By :Mahesh Dadoda 04/22/2023



#60
o-Xylene
Concen: 0.314 ppbv m
RT: 13.060 min Scan# 3252
Delta R.T. -0.006 min
Lab File: VL040379.D
Acq: 19 Apr 2023 14:32

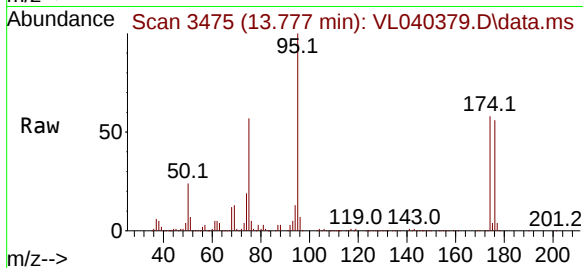
Tgt Ion: 91 Resp: 80148
Ion Ratio Lower Upper
91 100
106 0.0 21.9 65.8#





#68
1-Bromo-4-Fluorobenzene
Concen: 9.872 ppbv
RT: 13.777 min Scan# 3475
Delta R.T. -0.009 min
Lab File: VL040379.D
Acq: 19 Apr 2023 14:32

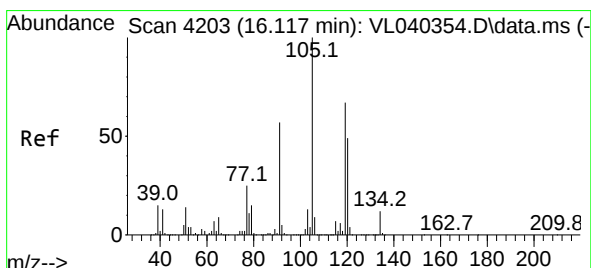
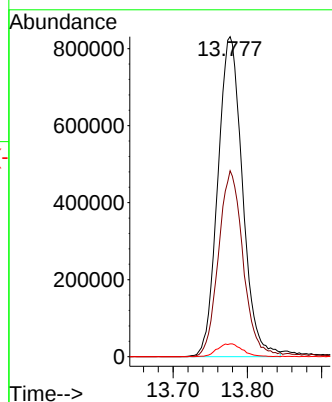
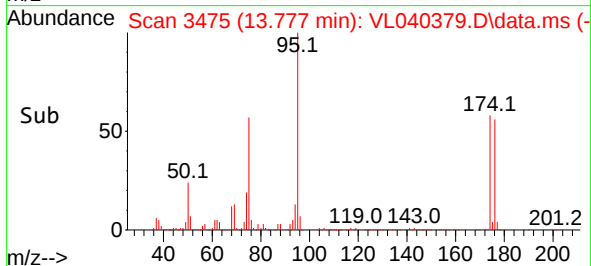
Instrument :
MSVOA_L
ClientSampleId :
AP3-ADUP



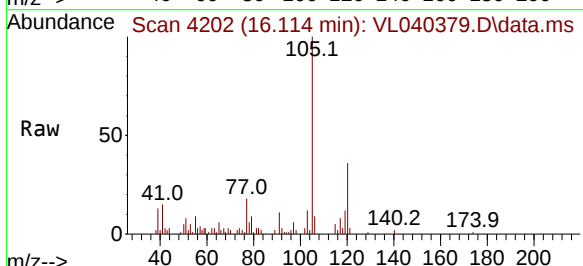
Tgt Ion: 95 Resp: 192022
Ion Ratio Lower Upper
95 100
174 59.0 47.2 70.8
175 4.2 3.5 5.3

Manual Integrations
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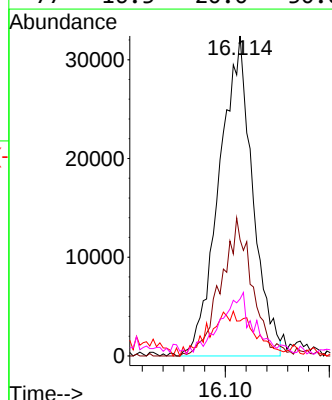
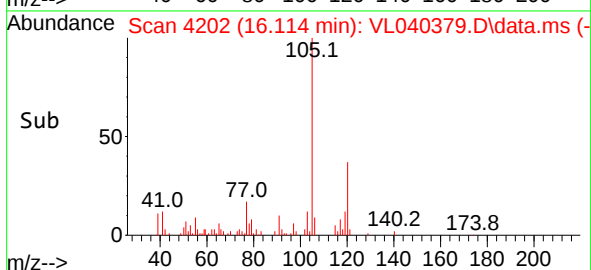
Reviewed By :Semsettin Yesilyurt 04/20/2023
Supervised By :Mahesh Dadoda 04/22/2023

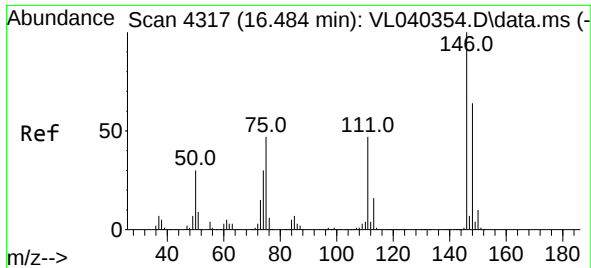


#74
1,2,4-Trimethylbenzene
Concen: 0.242 ppbv
RT: 16.114 min Scan# 4202
Delta R.T. -0.003 min
Lab File: VL040379.D
Acq: 19 Apr 2023 14:32



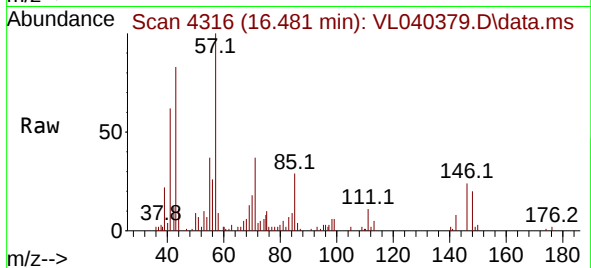
Tgt Ion:105 Resp: 72126
Ion Ratio Lower Upper
105 100
120 36.3 38.9 58.3#
91 11.0 46.0 69.0#
77 16.3 20.0 30.0#





#76
 1,4-Dichlorobenzene
 Concen: 0.097 ppbv m
 RT: 16.481 min Scan# 41
 Delta R.T. -0.003 min
 Lab File: VL040379.D
 Acq: 19 Apr 2023 14:32

Instrument :
 MSVOA_L
 ClientSampleId :
 AP3-ADUP



Tgt Ion:146 Resp: 1554
 Ion Ratio Lower Upper
 146 100
 111 0.0 23.8 71.4
 148 0.0 32.4 97.2

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/20/2023
 Supervised By :Mahesh Dadoda 04/22/2023

