

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051123\
 Data File : VL040407.D
 Acq On : 11 May 2023 19:23
 Operator : SY/MD
 Sample : 02748-02
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-02-20230510

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 05/15/2023
 Supervised By :Mahesh Dadoda 05/15/2023

Quant Time: May 12 05:56:26 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	5.179	49	1019743	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.645	114	2533663	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.462	117	2167195	10.000	ppbv	-0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.774	95	1701266	9.493	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.900%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.713	85	49157	0.267	ppbv	89
3) Chlorodifluoromethane	2.655	51	96401m	0.723	ppbv	
4) Chloromethane	2.793	50	35078	0.417	ppbv	96
9) Propene	2.674	41	285221	5.418	ppbv	94
11) Trichlorofluoromethane	3.542	101	42954	0.231	ppbv	93
12) 1,1,2-Trichlorotrifluo...	4.050	101	9183m	0.071	ppbv	
13) Ethanol	3.221	45	287320	65.379	ppbv	99
15) Acetone	3.446	43	2503689	17.335	ppbv #	62
17) tert-Butyl alcohol	3.867	59	175622	1.324	ppbv	96
19) Isopropyl Alcohol	3.559	45	241631	3.666	ppbv #	90
20) Methylene Chloride	3.919	84	228592	3.964	ppbv	97
26) Hexane	5.198	57	208017	2.030	ppbv #	43
34) 2-Butanone	4.771	43	1979730	14.491	ppbv	100
35) Carbon Tetrachloride	6.484	117	11492m	0.064	ppbv	
36) Benzene	6.359	78	58134m	0.281	ppbv	
44) 2,2,4-Trimethylpentane	7.317	57	110252m	0.319	ppbv	
52) Tetrachloroethene	10.613	164	12557m	0.194	ppbv	
53) Toluene	9.214	91	220409	1.006	ppbv	99
58) Ethyl Benzene	12.089	91	35652m	0.134	ppbv	
59) m/p-Xylene	12.340	91	110428m	0.450	ppbv	
60) o-Xylene	13.060	91	46059m	0.196	ppbv	
74) 1,2,4-Trimethylbenzene	16.105	105	70966m	0.259	ppbv	

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

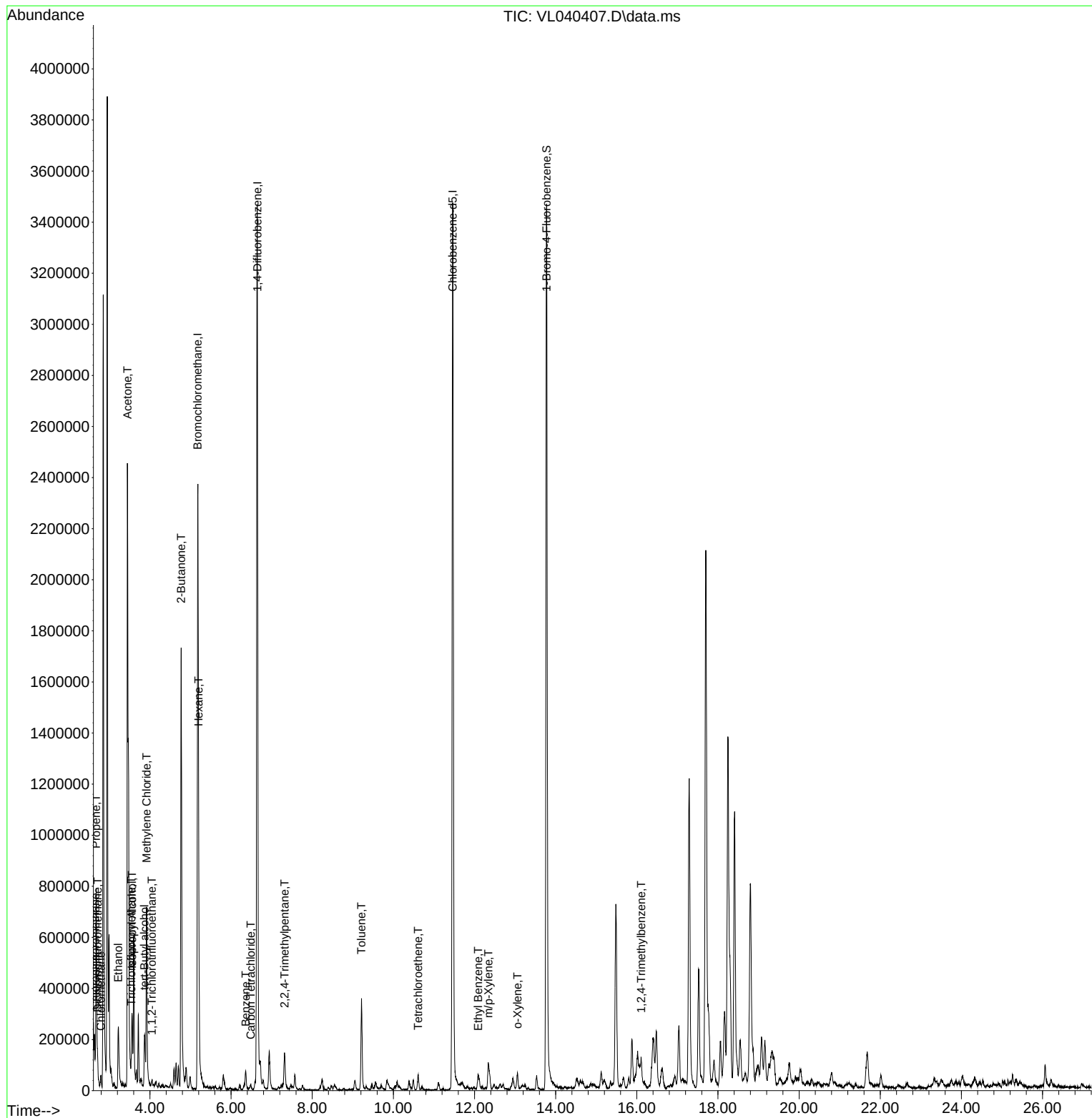
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051123\
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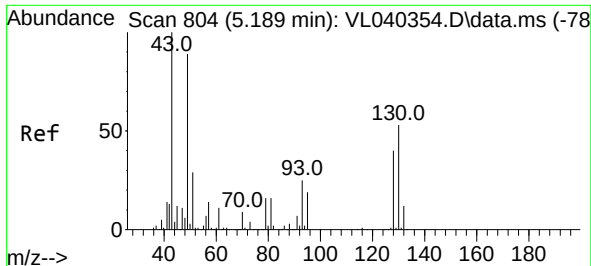
Instrument :
MSVOA_L
ClientSampleId :
SV-02-20230510

Quant Time: May 12 05:56:26 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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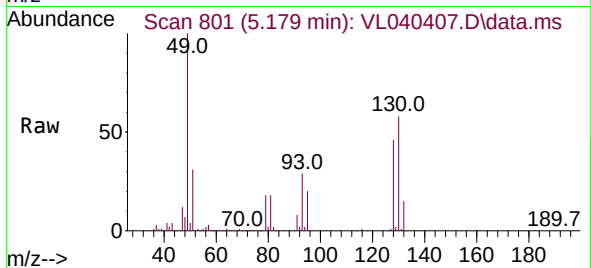
Reviewed By :Krupa Patel 05/15/2023
Supervised By :Mahesh Dadoda 05/15/2023





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.179 min Scan# 804
Delta R.T. -0.010 min
Lab File: VL040407.D
Acq: 11 May 2023 19:23

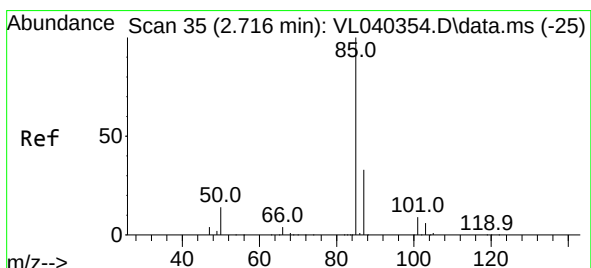
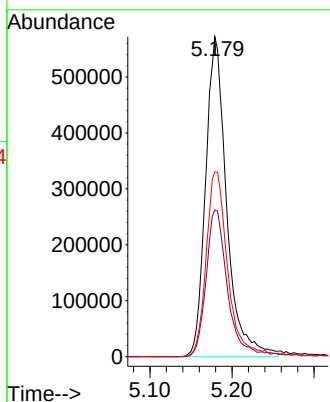
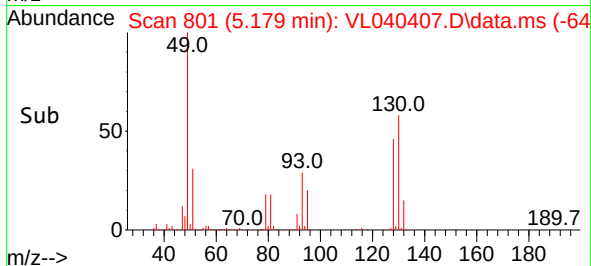
Instrument :
MSVOA_L
ClientSampleId :
SV-02-20230510



Tgt Ion: 49 Resp: 101974
Ion Ratio Lower Upper
49 100
128 47.3 23.7 71.1
130 60.7 29.9 89.8

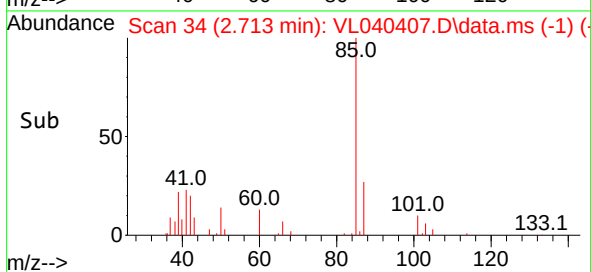
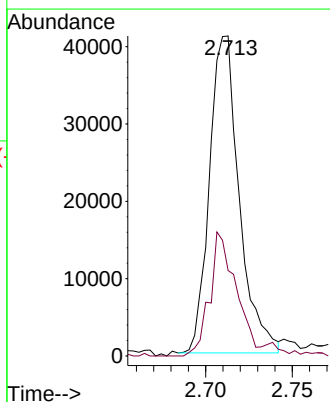
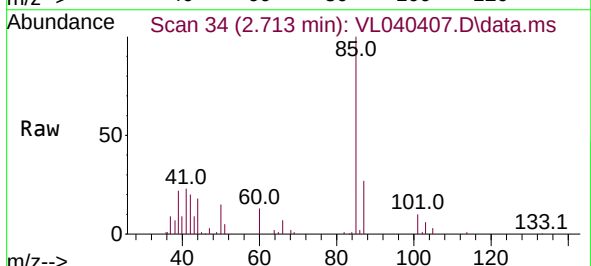
Manual Integrations
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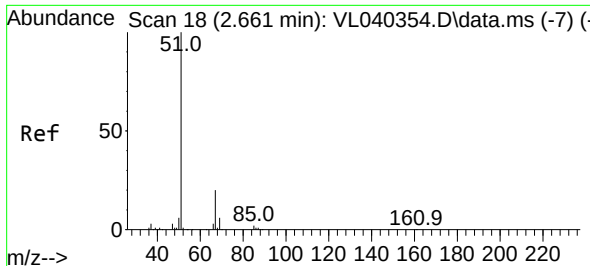
Reviewed By :Krupa Patel 05/15/2023
Supervised By :Mahesh Dadoda 05/15/2023



#2
Dichlorodifluoromethane
Concen: 0.267 ppbv
RT: 2.713 min Scan# 34
Delta R.T. -0.003 min
Lab File: VL040407.D
Acq: 11 May 2023 19:23

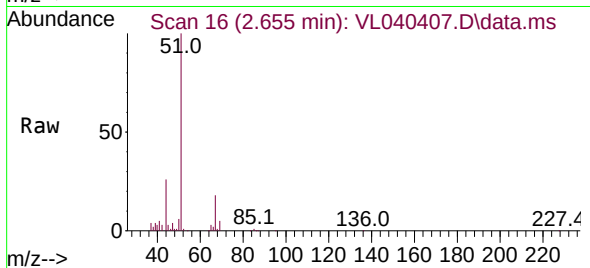
Tgt Ion: 85 Resp: 49157
Ion Ratio Lower Upper
85 100
87 26.9 26.6 40.0





#3
Chlorodifluoromethane
Concen: 0.723 ppbv m
RT: 2.655 min Scan# 1
Delta R.T. -0.006 min
Lab File: VL040407.D
Acq: 11 May 2023 19:23

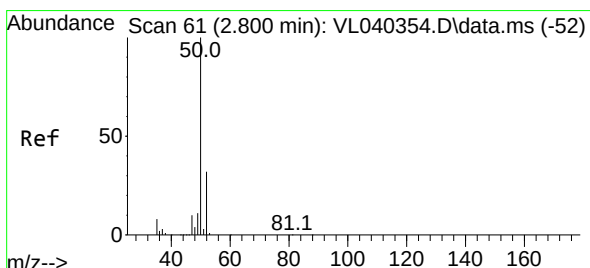
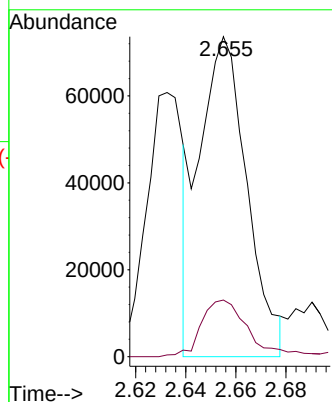
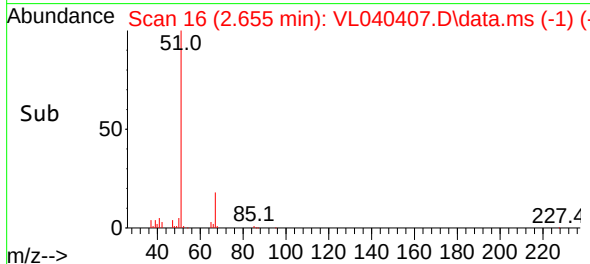
Instrument :
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SV-02-20230510



Tgt Ion: 51 Resp: 9640
Ion Ratio Lower Upper
51 100
67 0.0 15.5 23.3

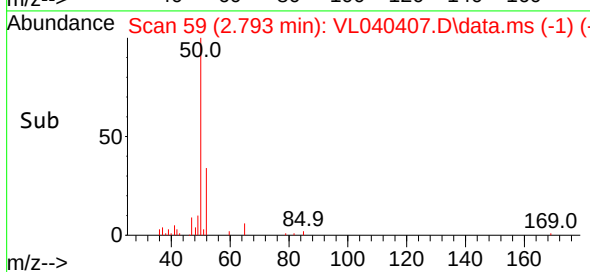
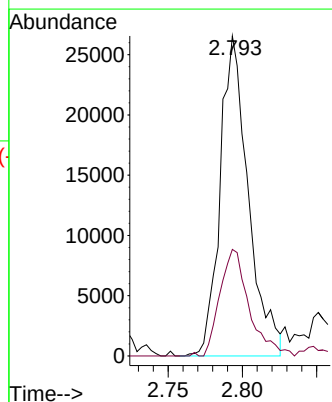
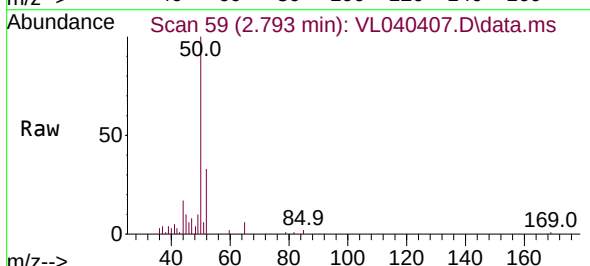
Manual Integrations
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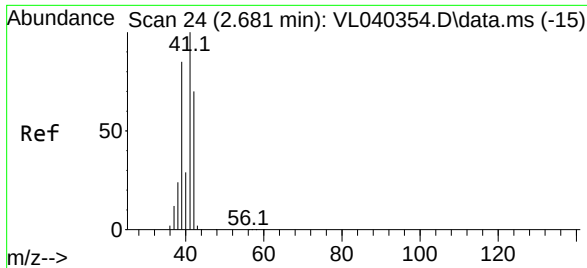
Reviewed By :Krupa Patel 05/15/2023
Supervised By :Mahesh Dadoda 05/15/2023



#4
Chloromethane
Concen: 0.417 ppbv
RT: 2.793 min Scan# 59
Delta R.T. -0.007 min
Lab File: VL040407.D
Acq: 11 May 2023 19:23

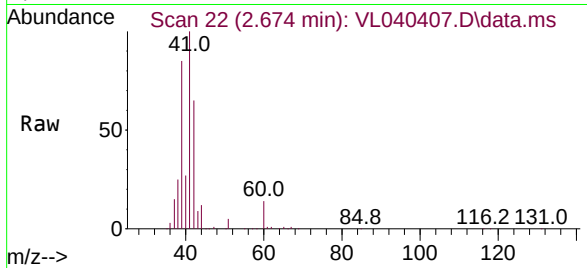
Tgt Ion: 50 Resp: 35078
Ion Ratio Lower Upper
50 100
52 33.9 25.3 37.9





#9
 Propene
 Concen: 5.418 ppbv
 RT: 2.674 min Scan# 21
 Delta R.T. -0.007 min
 Lab File: VL040407.D
 Acq: 11 May 2023 19:23

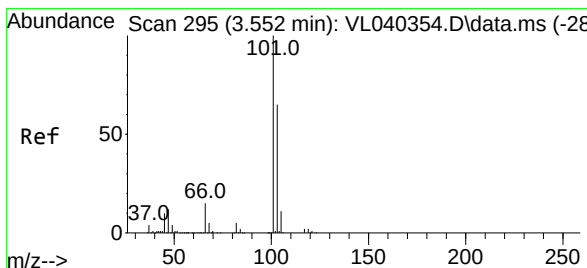
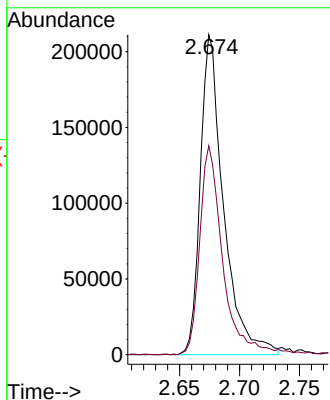
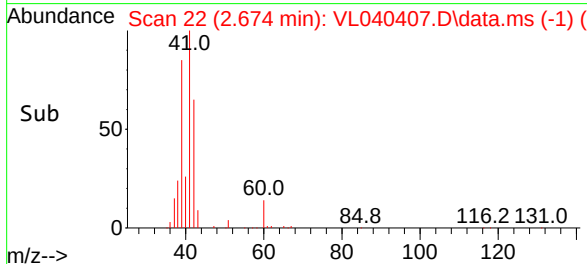
Instrument :
 MSVOA_L
 ClientSampleId :
 SV-02-20230510



Tgt Ion: 41 Resp: 28522
 Ion Ratio Lower Upper
 41 100
 42 65.3 56.5 84.7

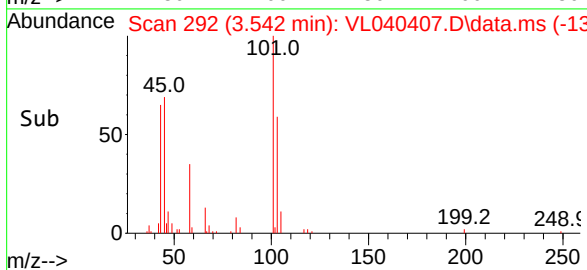
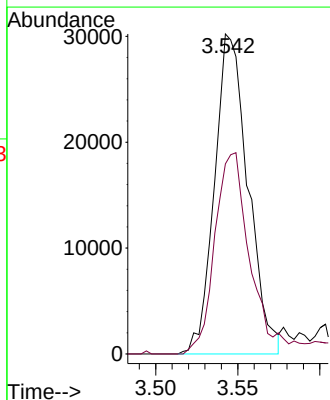
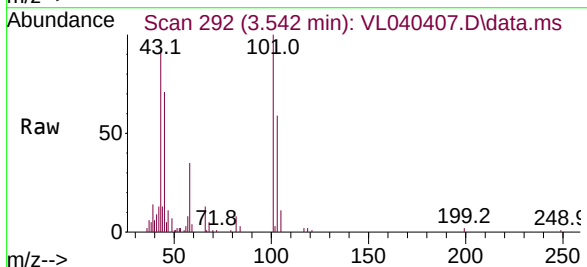
Manual Integrations
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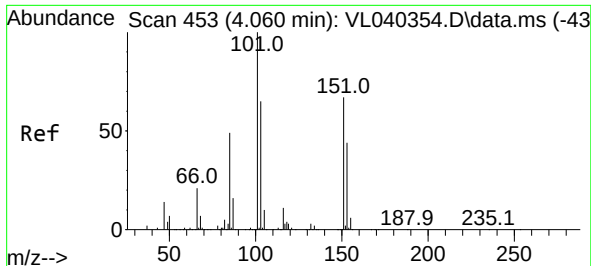
Reviewed By :Krupa Patel 05/15/2023
 Supervised By :Mahesh Dadoda 05/15/2023



#11
 Trichlorofluoromethane
 Concen: 0.231 ppbv
 RT: 3.542 min Scan# 292
 Delta R.T. -0.010 min
 Lab File: VL040407.D
 Acq: 11 May 2023 19:23

Tgt Ion:101 Resp: 42954
 Ion Ratio Lower Upper
 101 100
 103 59.4 52.2 78.4





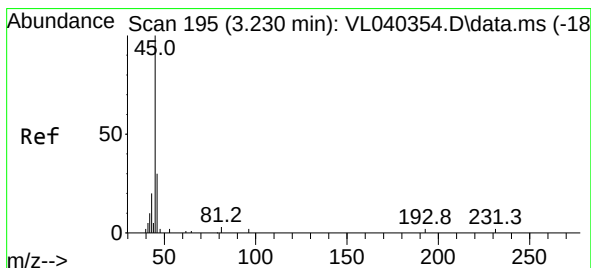
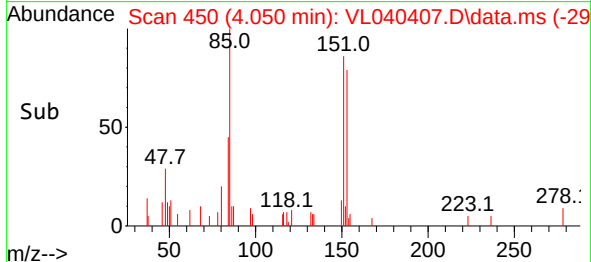
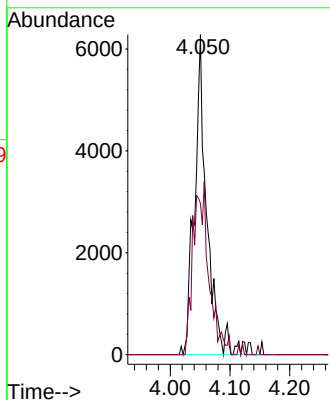
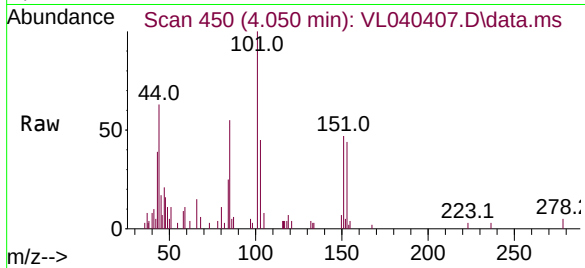
#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.071 ppbv m
RT: 4.050 min Scan# 41
Delta R.T. -0.010 min
Lab File: VL040407.D
Acq: 11 May 2023 19:23

Instrument :
MSVOA_L
ClientSampleId :
SV-02-20230510

Tgt Ion:101 Resp: 918
Ion Ratio Lower Upper
101 100
151 67.6 54.7 82.1

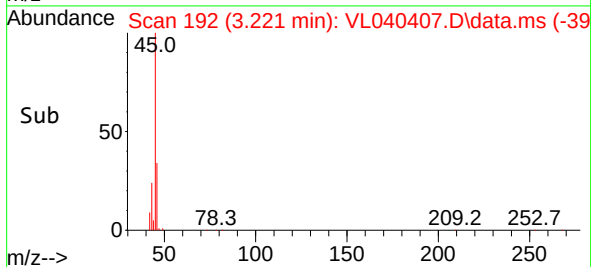
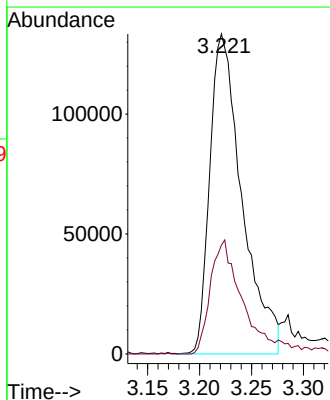
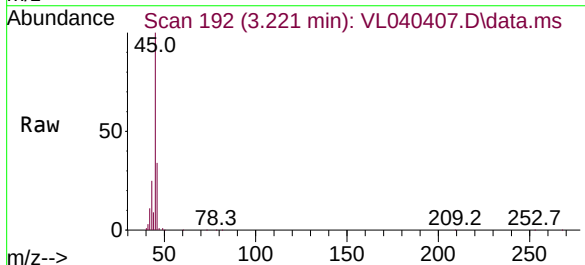
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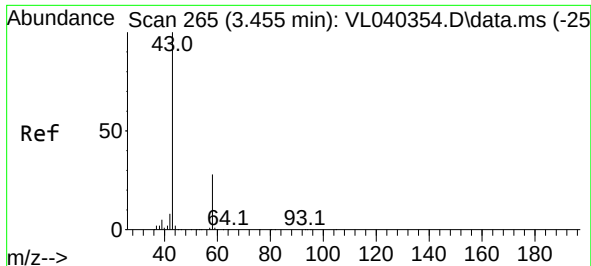
Reviewed By :Krupa Patel 05/15/2023
Supervised By :Mahesh Dadoda 05/15/2023



#13
Ethanol
Concen: 65.379 ppbv
RT: 3.221 min Scan# 192
Delta R.T. -0.009 min
Lab File: VL040407.D
Acq: 11 May 2023 19:23

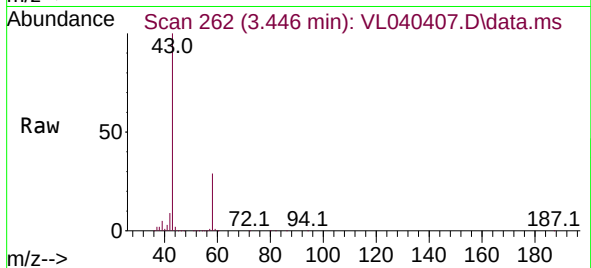
Tgt Ion: 45 Resp: 287320
Ion Ratio Lower Upper
45 100
46 37.8 15.3 61.3





#15
Acetone
Concen: 17.335 ppbv
RT: 3.446 min Scan# 20
Delta R.T. -0.009 min
Lab File: VL040407.D
Acq: 11 May 2023 19:23

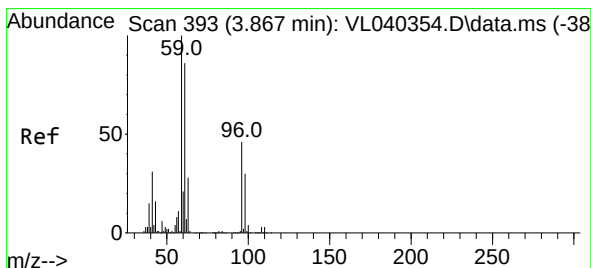
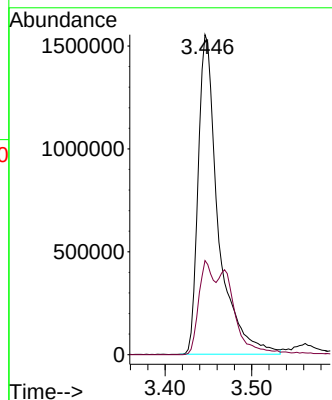
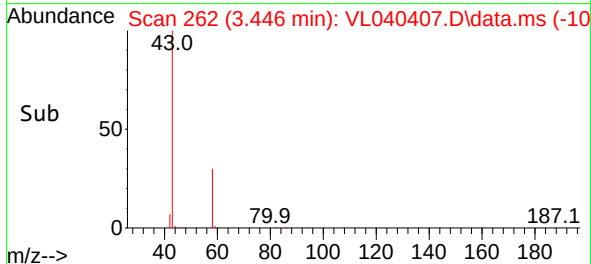
Instrument :
MSVOA_L
ClientSampleId :
SV-02-20230510



Tgt Ion: 43 Resp: 2503689
Ion Ratio Lower Upper
43 100
58 47.7 22.2 33.2

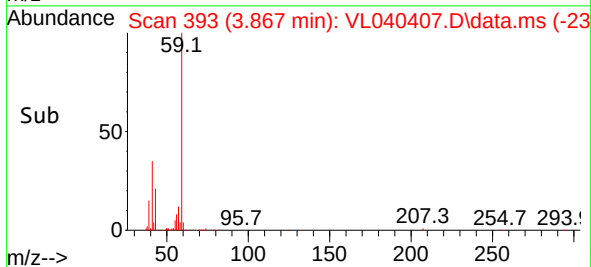
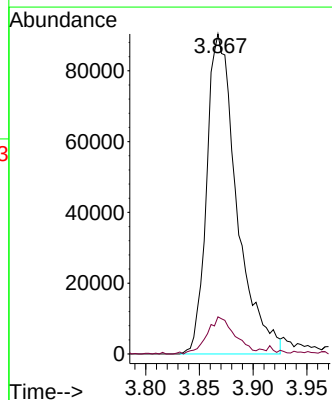
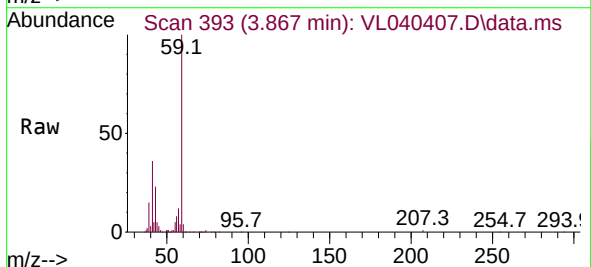
Manual Integrations
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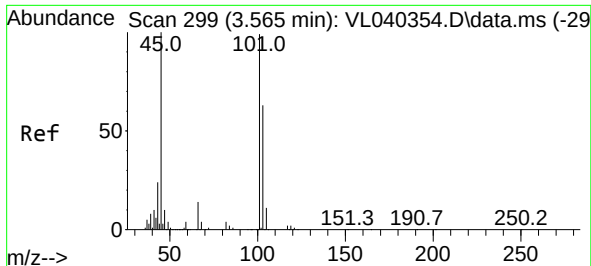
Reviewed By :Krupa Patel 05/15/2023
Supervised By :Mahesh Dadoda 05/15/2023



#17
tert-Butyl alcohol
Concen: 1.324 ppbv
RT: 3.867 min Scan# 393
Delta R.T. 0.000 min
Lab File: VL040407.D
Acq: 11 May 2023 19:23

Tgt Ion: 59 Resp: 175622
Ion Ratio Lower Upper
59 100
57 12.3 8.5 12.7





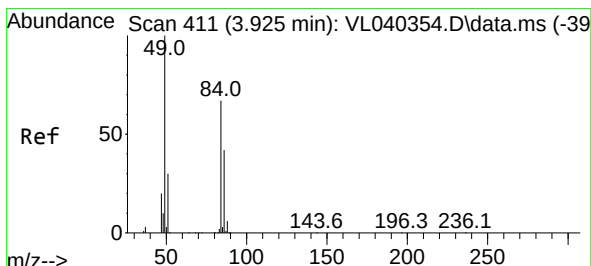
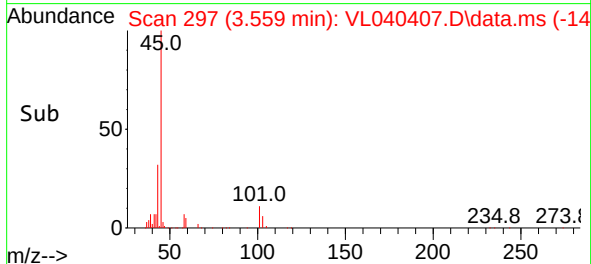
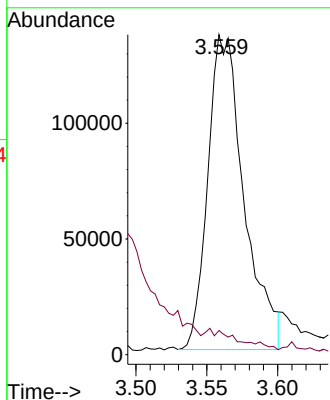
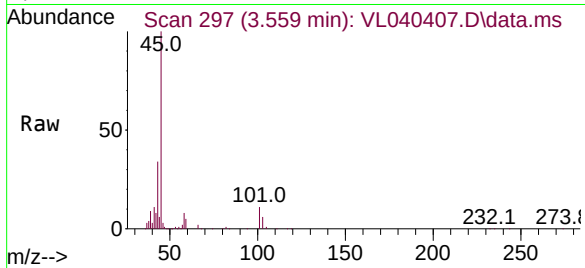
#19
Isopropyl Alcohol
Concen: 3.666 ppbv
RT: 3.559 min Scan# 24163
Delta R.T. -0.006 min
Lab File: VL040407.D
Acq: 11 May 2023 19:23

Instrument : MSVOA_L
ClientSampleId : SV-02-20230510

Tgt Ion: 45 Resp: 24163
Ion Ratio Lower Upper
45 100
58 0.0 2.6 4.0

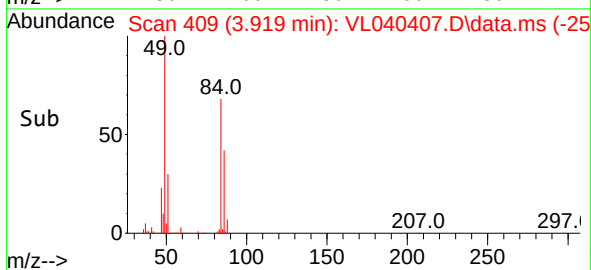
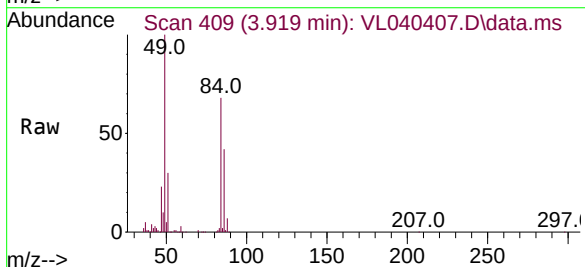
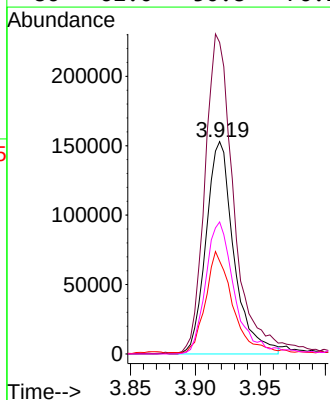
Manual Integrations
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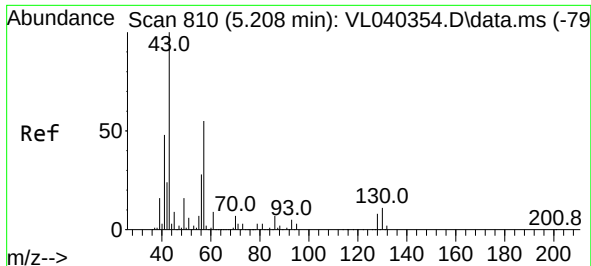
Reviewed By :Krupa Patel 05/15/2023
Supervised By :Mahesh Dadoda 05/15/2023



#20
Methylene Chloride
Concen: 3.964 ppbv
RT: 3.919 min Scan# 409
Delta R.T. -0.006 min
Lab File: VL040407.D
Acq: 11 May 2023 19:23

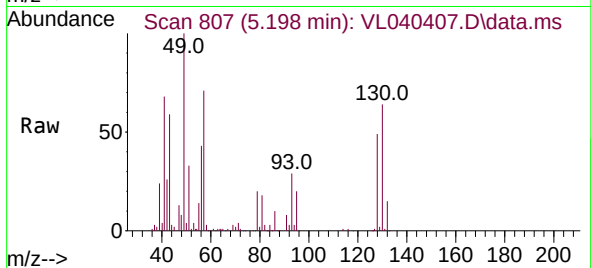
Tgt Ion: 84 Resp: 228592
Ion Ratio Lower Upper
84 100
49 146.1 120.1 180.1
51 43.1 36.3 54.5
86 62.0 50.8 76.2





#26
Hexane
Concen: 2.030 ppbv
RT: 5.198 min Scan# 807
Delta R.T. -0.010 min
Lab File: VL040407.D
Acq: 11 May 2023 19:23

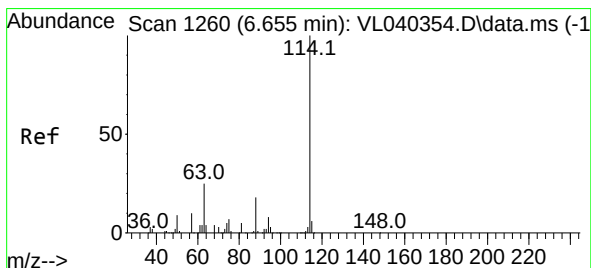
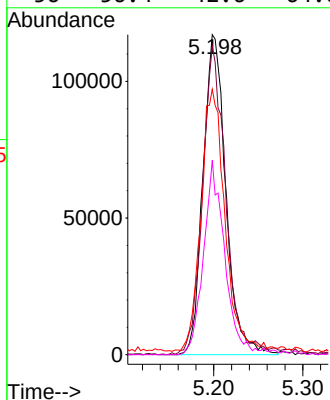
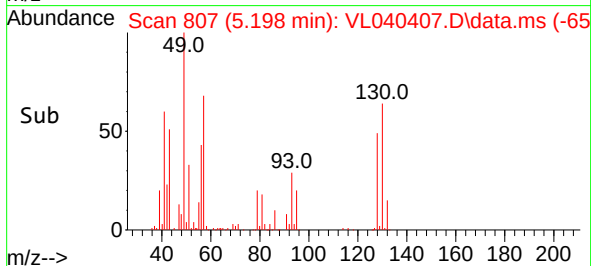
Instrument :
MSVOA_L
ClientSampleId :
SV-02-20230510



Tgt Ion: 57 Resp: 20801
Ion Ratio Lower Upper
57 100
41 101.1 74.8 112.2
43 92.3 192.7 289.1
56 56.4 42.6 64.0

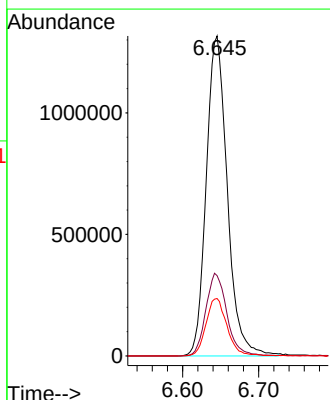
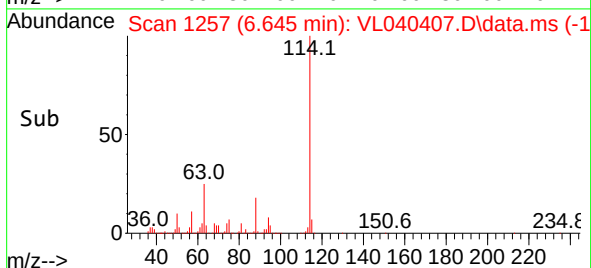
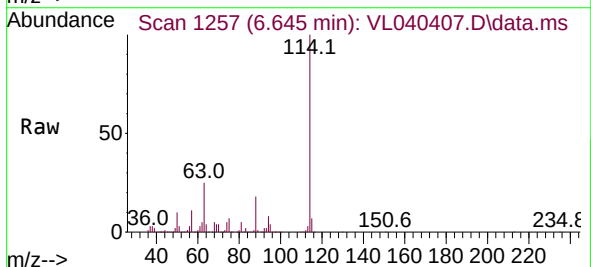
Manual Integrations
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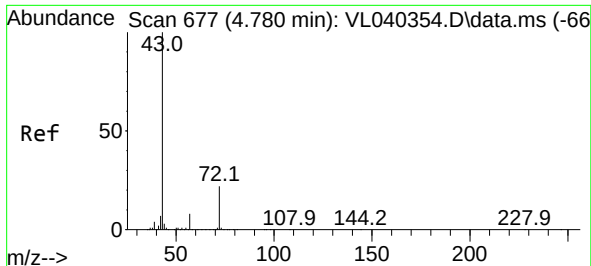
Reviewed By :Krupa Patel 05/15/2023
Supervised By :Mahesh Dadoda 05/15/2023



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.645 min Scan# 1257
Delta R.T. -0.010 min
Lab File: VL040407.D
Acq: 11 May 2023 19:23

Tgt Ion:114 Resp: 2533663
Ion Ratio Lower Upper
114 100
63 26.1 21.4 32.0
88 18.1 14.6 22.0





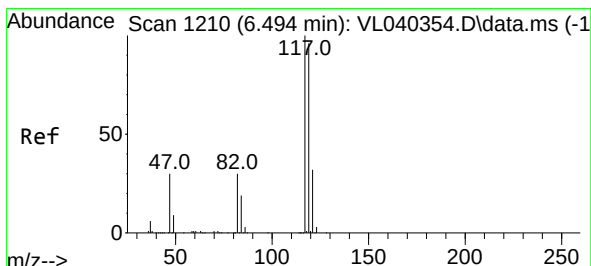
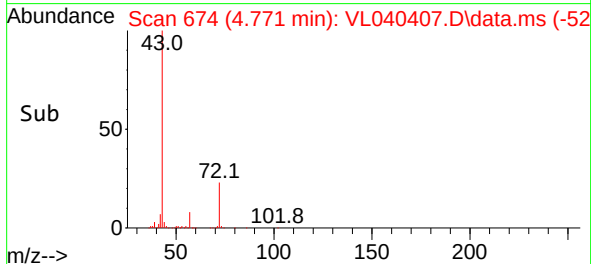
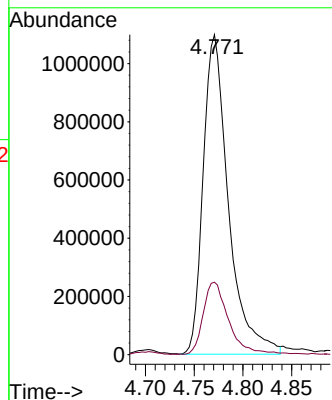
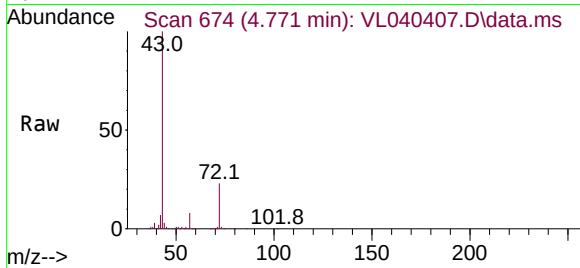
#34
2-Butanone
Concen: 14.491 ppbv
RT: 4.771 min Scan# 61
Delta R.T. -0.009 min
Lab File: VL040407.D
Acq: 11 May 2023 19:23

Instrument :
MSVOA_L
ClientSampleId :
SV-02-20230510

Tgt Ion: 43 Resp: 1979730
Ion Ratio Lower Upper
43 100
72 23.1 18.4 27.6

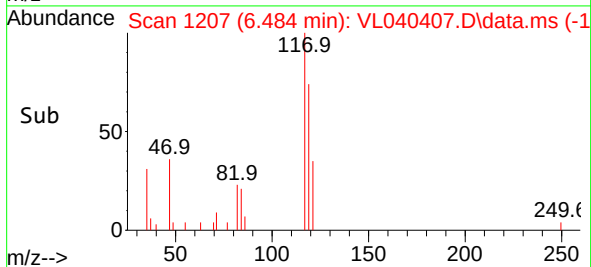
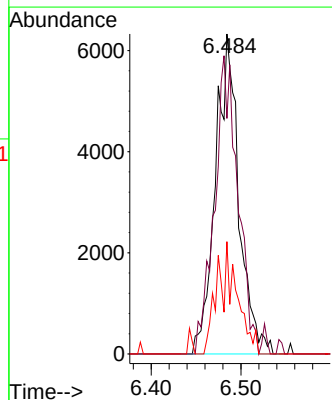
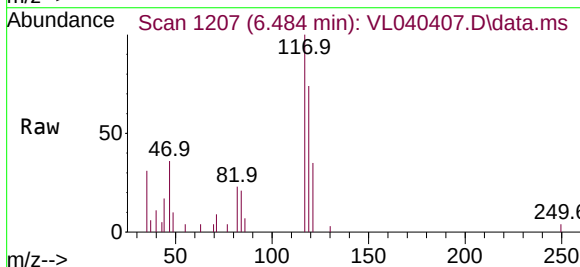
Manual Integrations
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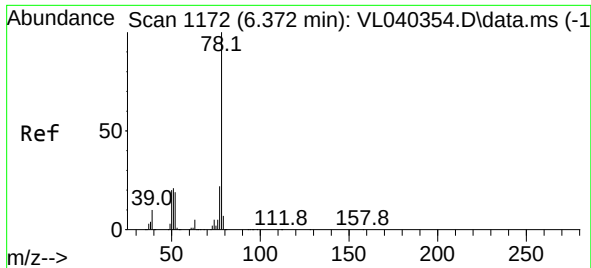
Reviewed By :Krupa Patel 05/15/2023
Supervised By :Mahesh Dadoda 05/15/2023



#35
Carbon Tetrachloride
Concen: 0.064 ppbv m
RT: 6.484 min Scan# 1207
Delta R.T. -0.010 min
Lab File: VL040407.D
Acq: 11 May 2023 19:23

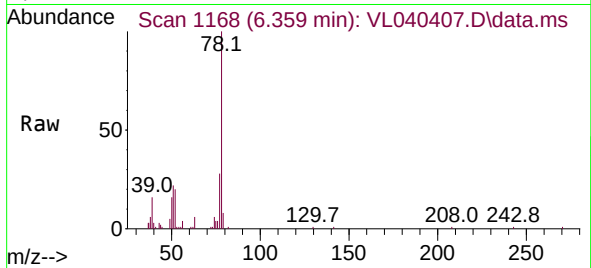
Tgt Ion:117 Resp: 11492
Ion Ratio Lower Upper
117 100
119 73.6 76.6 114.8#
121 35.1 25.3 37.9





#36
Benzene
Concen: 0.281 ppbv m
RT: 6.359 min Scan# 1168
Delta R.T. -0.013 min
Lab File: VL040407.D
Acq: 11 May 2023 19:23

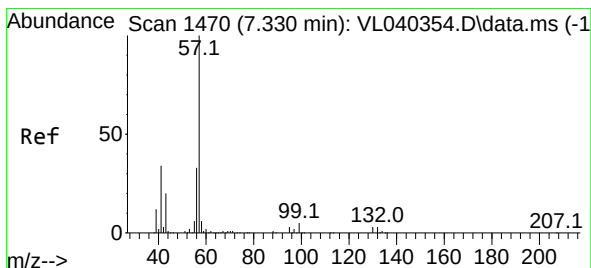
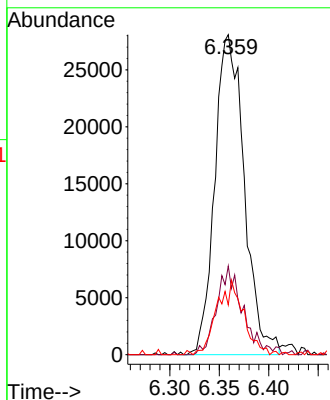
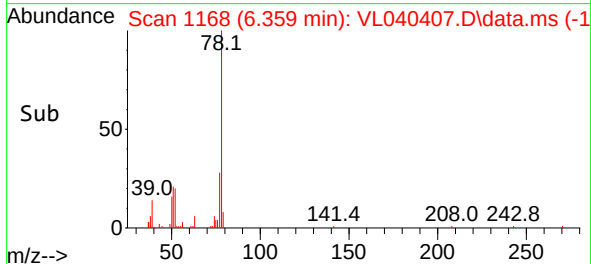
Instrument :
MSVOA_L
ClientSampleId :
SV-02-20230510



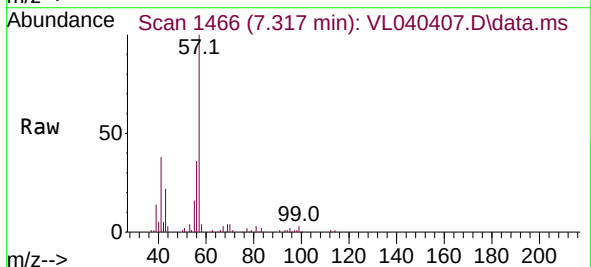
Tgt Ion: 78 Resp: 58134
Ion Ratio Lower Upper
78 100
77 27.7 17.8 26.8#
50 15.5 15.6 23.4#

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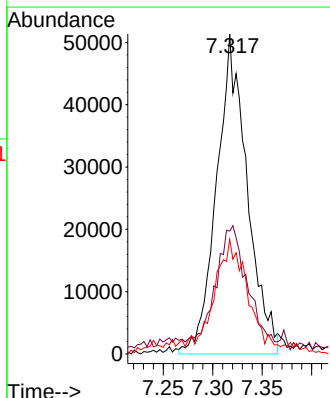
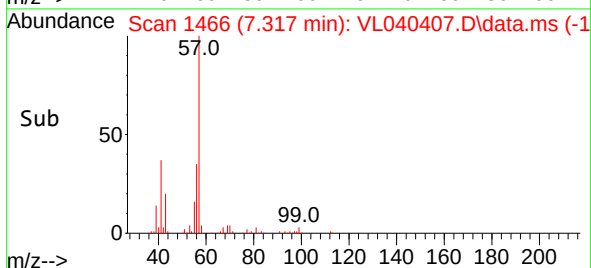
Reviewed By :Krupa Patel 05/15/2023
Supervised By :Mahesh Dadoda 05/15/2023

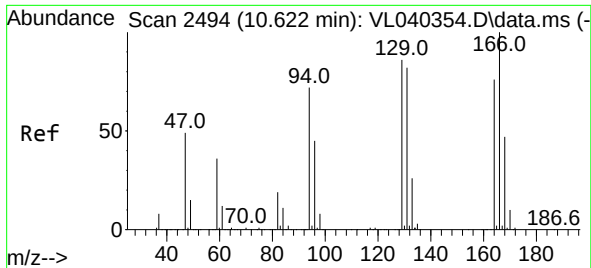


#44
2,2,4-Trimethylpentane
Concen: 0.319 ppbv m
RT: 7.317 min Scan# 1466
Delta R.T. -0.013 min
Lab File: VL040407.D
Acq: 11 May 2023 19:23



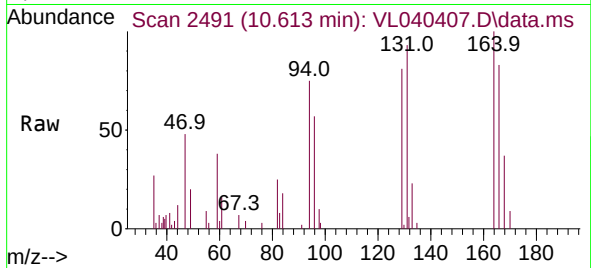
Tgt Ion: 57 Resp: 110252
Ion Ratio Lower Upper
57 100
41 0.0 26.9 40.3#
56 41.9 25.1 37.7#





#52
Tetrachloroethene
Concen: 0.194 ppbv m
RT: 10.613 min Scan# 2494
Delta R.T. -0.009 min
Lab File: VL040407.D
Acq: 11 May 2023 19:23

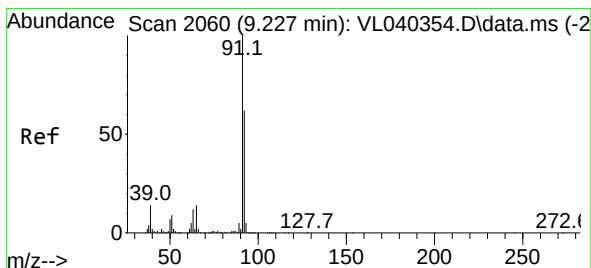
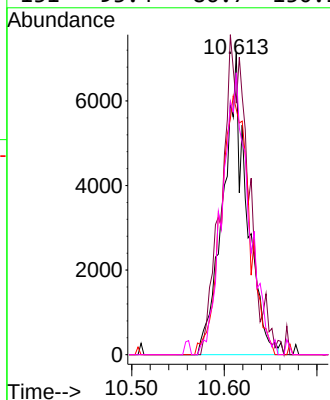
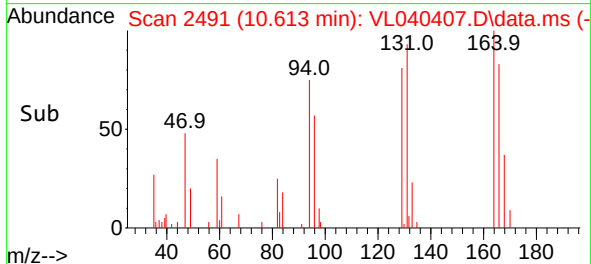
Instrument :
MSVOA_L
ClientSampleId :
SV-02-20230510



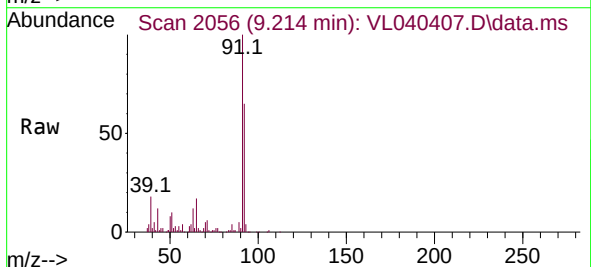
Tgt Ion:164 Resp: 1255
Ion Ratio Lower Upper
164 100
166 83.3 105.2 157.8
129 81.2 90.3 135.5
131 93.4 86.7 130.1

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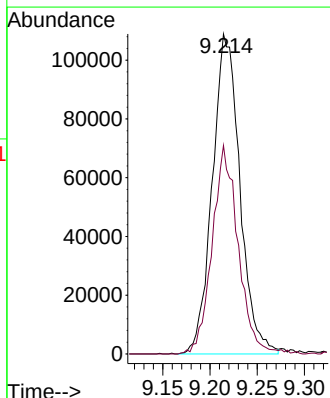
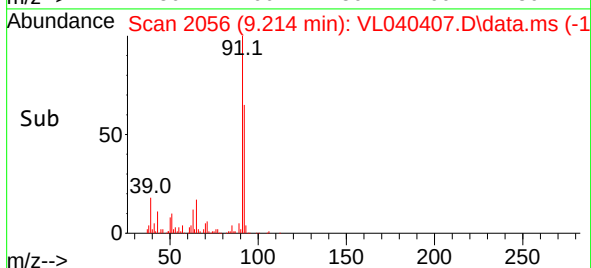
Reviewed By :Krupa Patel 05/15/2023
Supervised By :Mahesh Dadoda 05/15/2023

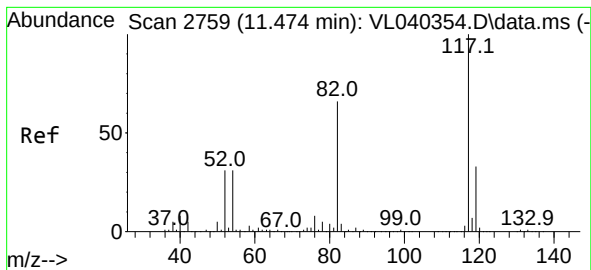


#53
Toluene
Concen: 1.006 ppbv
RT: 9.214 min Scan# 2056
Delta R.T. -0.013 min
Lab File: VL040407.D
Acq: 11 May 2023 19:23



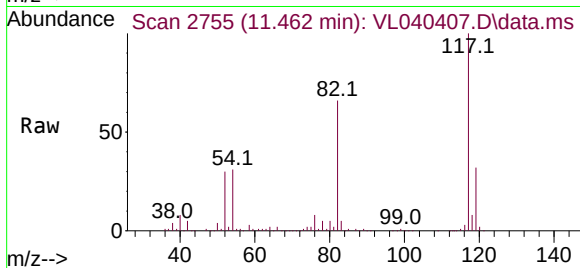
Tgt Ion: 91 Resp: 220409
Ion Ratio Lower Upper
91 100
92 61.5 48.9 73.3





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.462 min Scan# 21
Delta R.T. -0.012 min
Lab File: VL040407.D
Acq: 11 May 2023 19:23

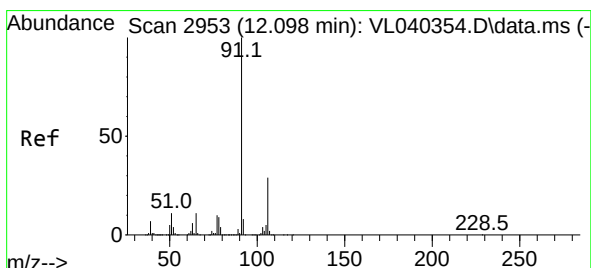
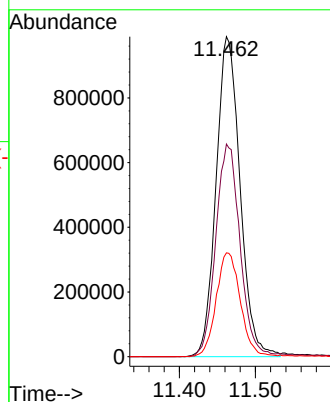
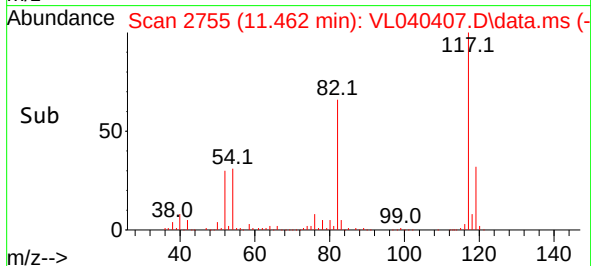
Instrument :
MSVOA_L
ClientSampleId :
SV-02-20230510



Tgt Ion:117 Resp: 216719
Ion Ratio Lower Upper
117 100
82 68.4 52.5 78.7
119 33.0 24.3 36.5

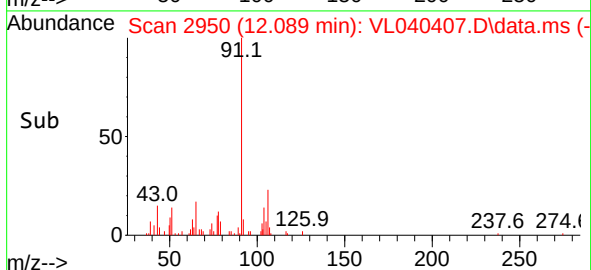
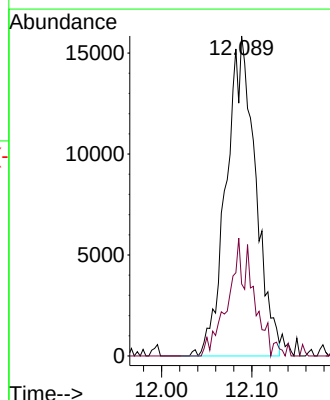
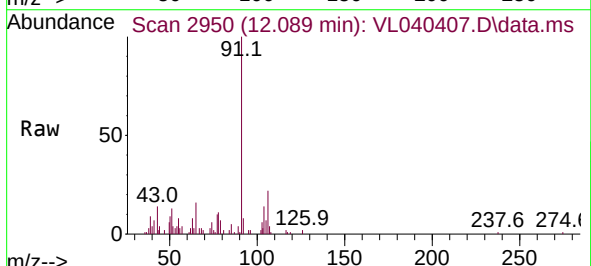
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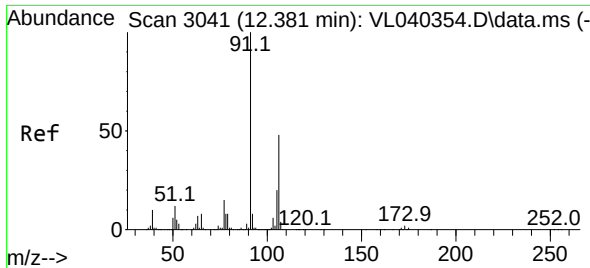
Reviewed By :Krupa Patel 05/15/2023
Supervised By :Mahesh Dadoda 05/15/2023



#58
Ethyl Benzene
Concen: 0.134 ppbv m
RT: 12.089 min Scan# 2950
Delta R.T. -0.009 min
Lab File: VL040407.D
Acq: 11 May 2023 19:23

Tgt Ion: 91 Resp: 35652
Ion Ratio Lower Upper
91 100
106 22.5 23.5 35.3#





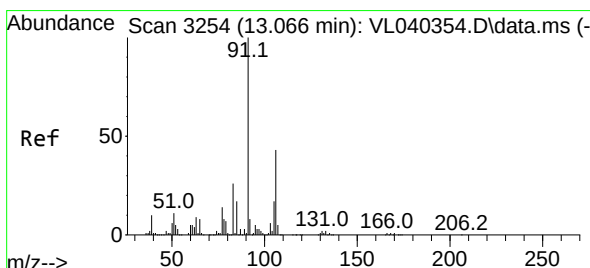
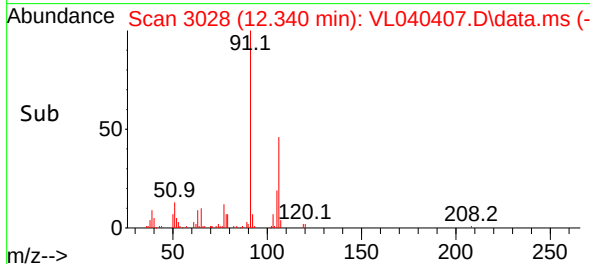
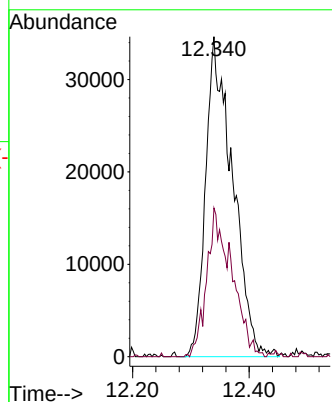
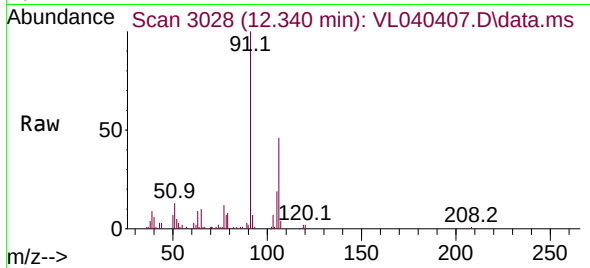
#59
m/p-Xylene
Concen: 0.450 ppbv m
RT: 12.340 min Scan# 3041
Delta R.T. -0.041 min
Lab File: VL040407.D
Acq: 11 May 2023 19:23

Instrument :
MSVOA_L
ClientSampleId :
SV-02-20230510

Tgt Ion: 91 Resp: 110428
Ion Ratio Lower Upper
91 100
106 0.0 34.7 52.1

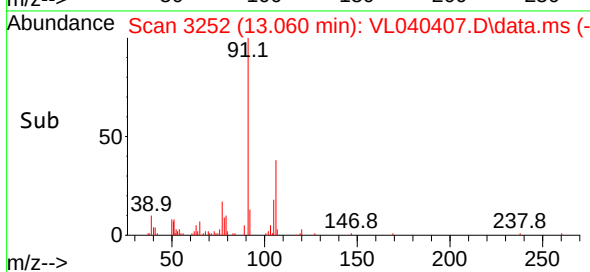
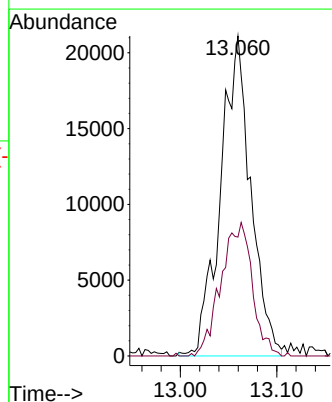
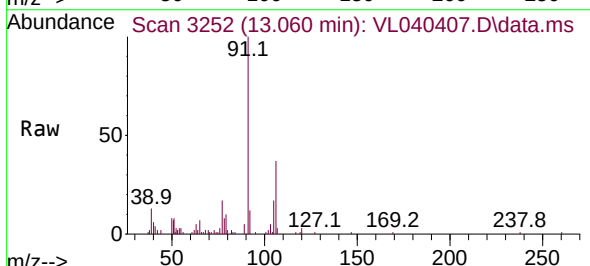
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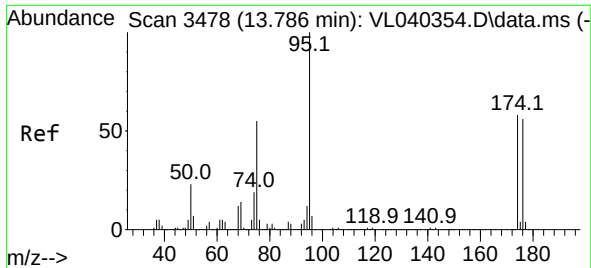
Reviewed By :Krupa Patel 05/15/2023
Supervised By :Mahesh Dadoda 05/15/2023



#60
o-Xylene
Concen: 0.196 ppbv m
RT: 13.060 min Scan# 3252
Delta R.T. -0.006 min
Lab File: VL040407.D
Acq: 11 May 2023 19:23

Tgt Ion: 91 Resp: 46059
Ion Ratio Lower Upper
91 100
106 0.0 21.9 65.8





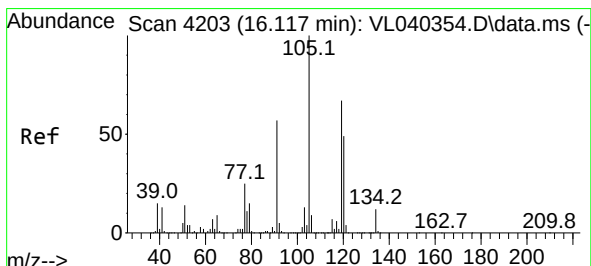
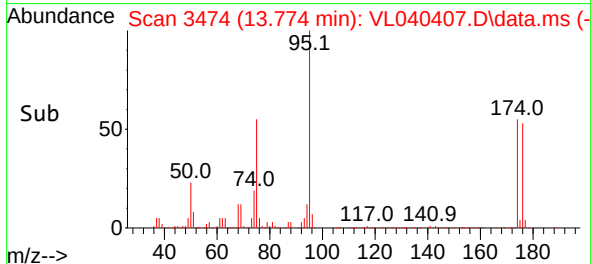
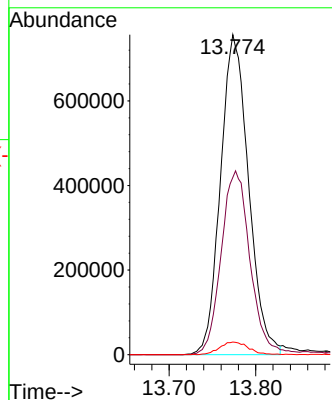
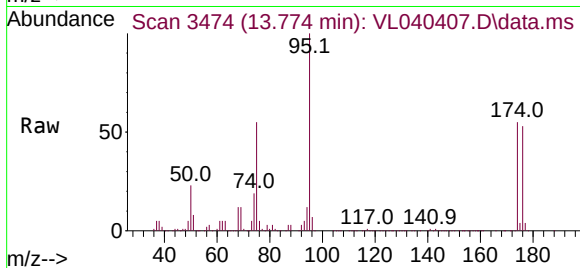
#68
1-Bromo-4-Fluorobenzene
Concen: 9.493 ppbv
RT: 13.774 min Scan# 3478
Delta R.T. -0.012 min
Lab File: VL040407.D
Acq: 11 May 2023 19:23

Instrument :
MSVOA_L
ClientSampleId :
SV-02-20230510

Tgt Ion: 95 Resp: 170126
Ion Ratio Lower Upper
95 100
174 60.2 47.2 70.8
175 4.1 3.5 5.3

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Reviewed By :Krupa Patel 05/15/2023
Supervised By :Mahesh Dadoda 05/15/2023



#74
1,2,4-Trimethylbenzene
Concen: 0.259 ppbv m
RT: 16.105 min Scan# 4199
Delta R.T. -0.012 min
Lab File: VL040407.D
Acq: 11 May 2023 19:23

Tgt Ion:105 Resp: 70966
Ion Ratio Lower Upper
105 100
120 36.0 38.9 58.3#
91 13.0 46.0 69.0#
77 13.7 20.0 30.0#

