

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121322\
 Data File : VL040015.D
 Acq On : 13 Dec 2022 21:33
 Operator : SY/MD
 Sample : N5971-01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-4

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 12/14/2022
 Supervised By :Mahesh Dadoda 12/14/2022

Quant Time: Dec 14 02:41:06 2022

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111822AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug

QLast Update : Fri Dec 02 23:21:36 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.176	49	933257	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	6.639	114	2427119	10.000	ppbv	0.02
55) Chlorobenzene-d5	11.458	117	2338478	10.000	ppbv	0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.764	95	1836144	10.280	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.713	85	40277	0.301	ppbv	94
3) Chlorodifluoromethane	2.661	51	73408	0.570	ppbv	93
4) Chloromethane	2.783	50	422431	5.133	ppbv #	44
6) Bromomethane	3.102	94	23635	1.078	ppbv #	75
9) Propene	2.687	41	1603650m	26.436	ppbv	
10) Heptane	7.568	43	217013	1.483	ppbv	98
13) Ethanol	3.221	45	3173682	685.244	ppbv	100
15) Acetone	3.446	43	11798187	95.311	ppbv #	87
17) tert-Butyl alcohol	3.873	59	217394m	1.527	ppbv	
20) Methylene Chloride	3.915	84	127205	2.121	ppbv	91
26) Hexane	5.195	57	401278	4.042	ppbv #	39
30) Cyclohexane	6.587	84	193191	1.983	ppbv	92
35) Carbon Tetrachloride	6.481	117	8699m	0.063	ppbv	
36) Benzene	6.352	78	599694	2.907	ppbv	95
41) Tetrahydrofuran	5.545	42	177516	2.214	ppbv	97
52) Tetrachloroethene	10.606	164	3267m	0.042	ppbv	
53) Toluene	9.208	91	762366	3.244	ppbv	98
58) Ethyl Benzene	12.076	91	128974	0.407	ppbv	90
59) m/p-Xylene	12.330	91	337460	1.271	ppbv	100
60) o-Xylene	13.047	91	171002	0.675	ppbv	97
61) Styrene	12.889	104	122210m	0.809	ppbv	

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

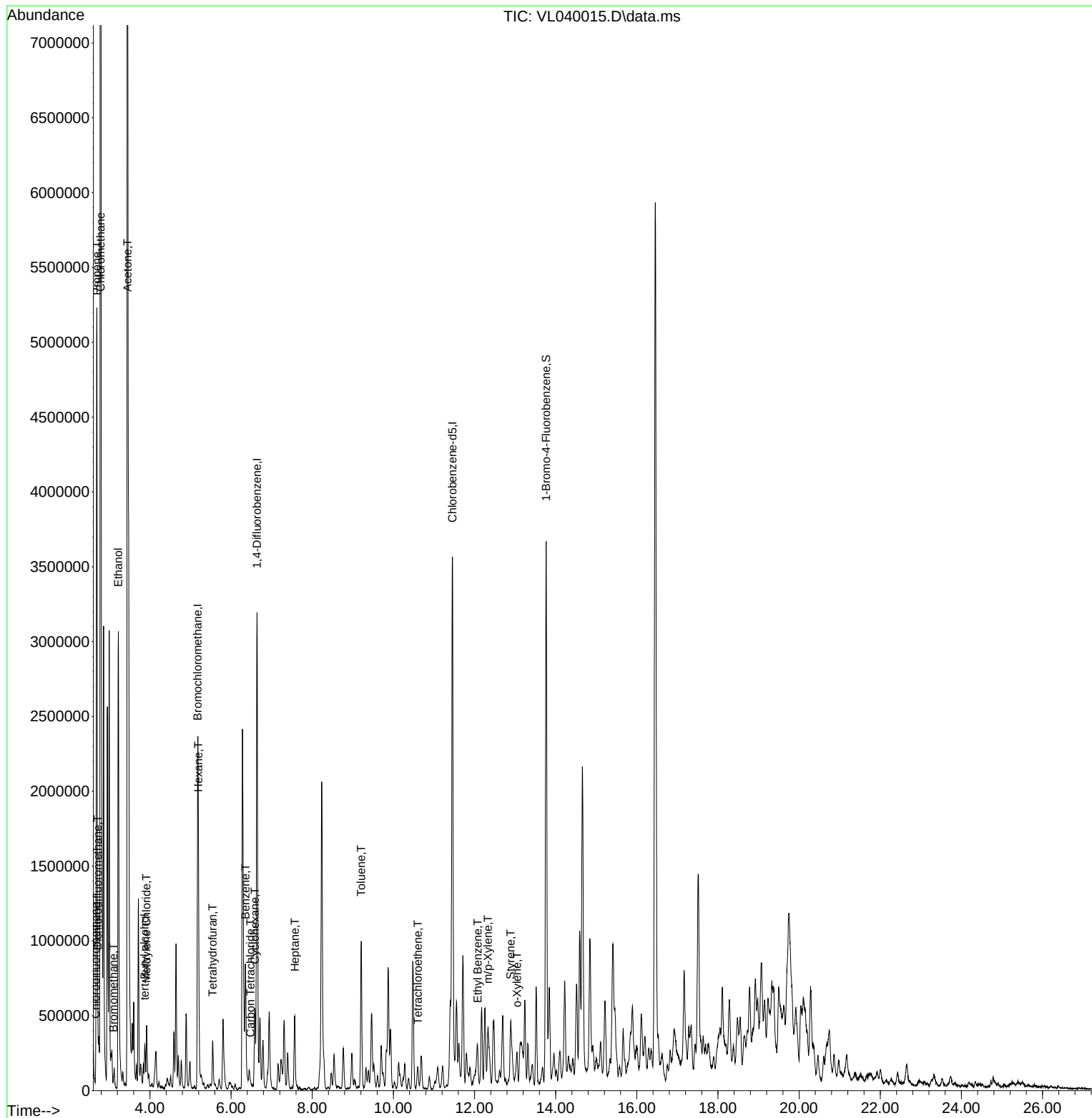
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121322\
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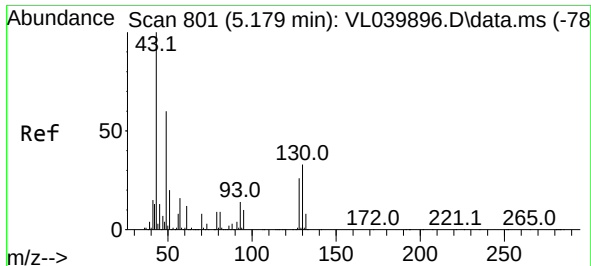
Instrument :
MSVOA_L
ClientSampleId :
SS-4

Quant Time: Dec 14 02:41:06 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL11822AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri Dec 02 23:21:36 2022
Response via : Initial Calibration

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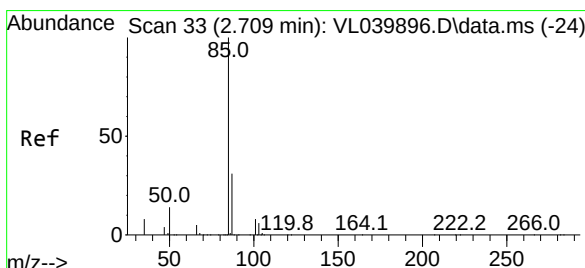
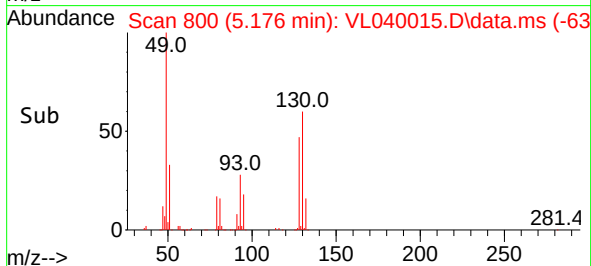
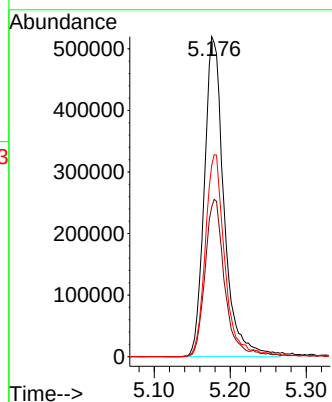
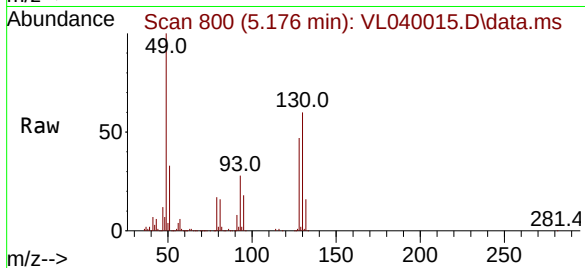
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.176 min Scan# 80
Delta R.T. 0.020 min
Lab File: VL040015.D
Acq: 13 Dec 2022 21:33

Instrument :
MSVOA_L
ClientSampleId :
SS-4

Tgt Ion: 49 Resp: 93325
Ion Ratio Lower Upper
49 100
128 50.2 22.1 66.3
130 63.4 27.7 83.1

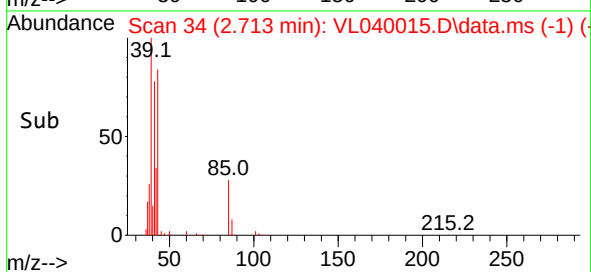
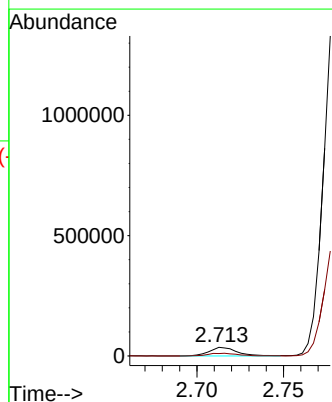
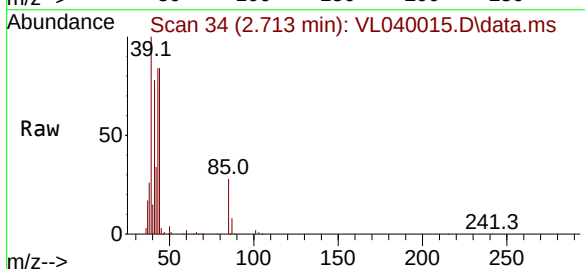
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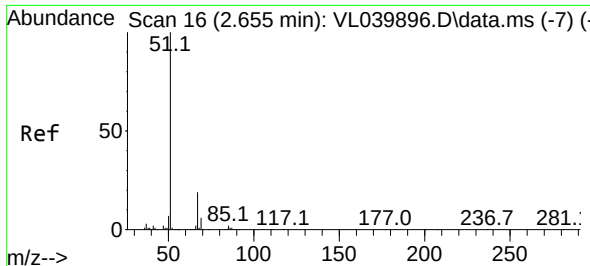
Reviewed By :Semsettin Yesilyurt 12/14/2022
Supervised By :Mahesh Dadoda 12/14/2022



#2
Dichlorodifluoromethane
Concen: 0.301 ppbv
RT: 2.713 min Scan# 34
Delta R.T. 0.016 min
Lab File: VL040015.D
Acq: 13 Dec 2022 21:33

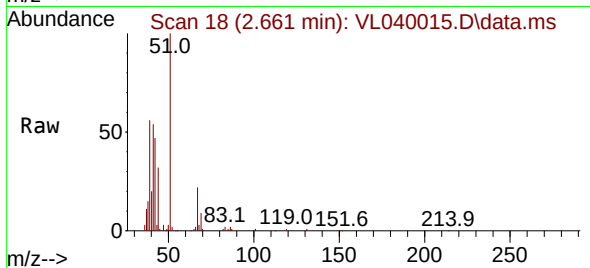
Tgt Ion: 85 Resp: 40277
Ion Ratio Lower Upper
85 100
87 27.6 25.0 37.4





#3
Chlorodifluoromethane
Concen: 0.570 ppbv
RT: 2.661 min Scan# 11
Delta R.T. 0.019 min
Lab File: VL040015.D
Acq: 13 Dec 2022 21:33

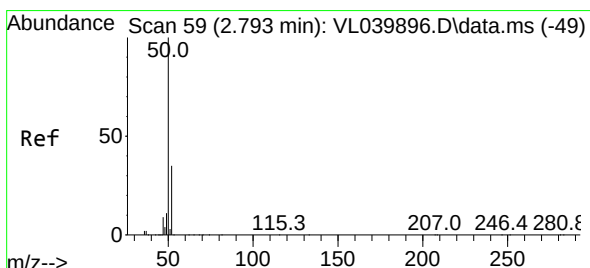
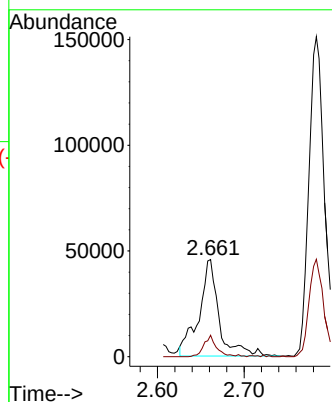
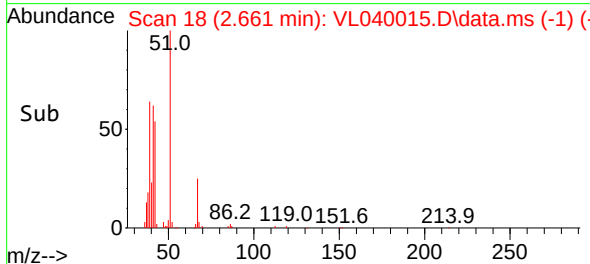
Instrument :
MSVOA_L
ClientSampleId :
SS-4



Tgt Ion: 51 Resp: 73408
Ion Ratio Lower Upper
51 100
67 14.6 14.2 21.4

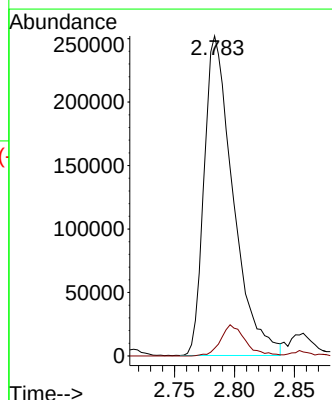
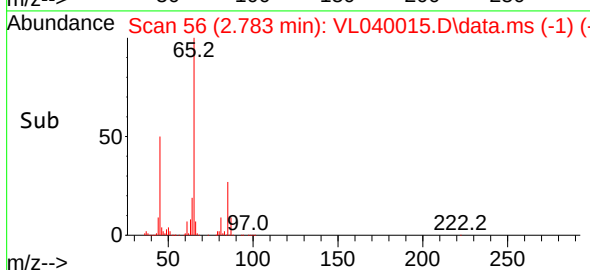
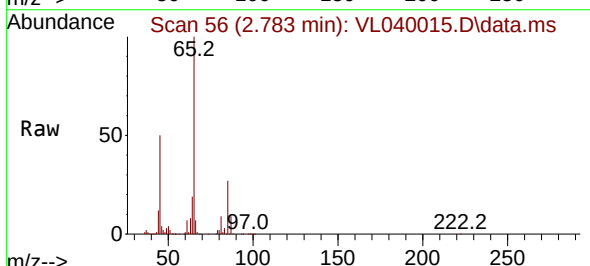
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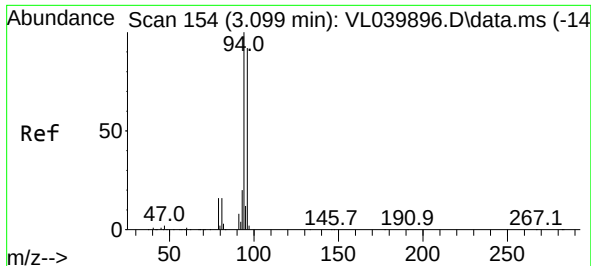
Reviewed By :Semsettin Yesilyurt 12/14/2022
Supervised By :Mahesh Dadoda 12/14/2022



#4
Chloromethane
Concen: 5.133 ppbv
RT: 2.783 min Scan# 56
Delta R.T. 0.003 min
Lab File: VL040015.D
Acq: 13 Dec 2022 21:33

Tgt Ion: 50 Resp: 422431
Ion Ratio Lower Upper
50 100
52 2.4 27.8 41.8#





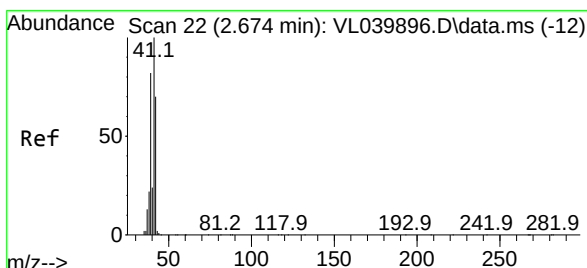
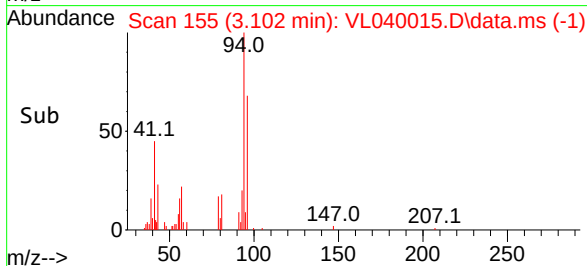
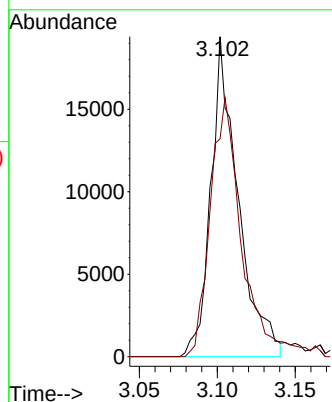
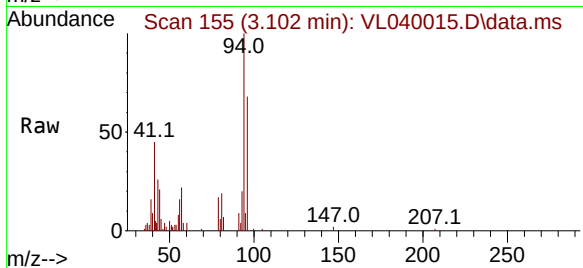
#6
Bromomethane
Concen: 1.078 ppbv
RT: 3.102 min Scan# 11
Delta R.T. 0.016 min
Lab File: VL040015.D
Acq: 13 Dec 2022 21:33

Instrument :
MSVOA_L
ClientSampleId :
SS-4

Tgt Ion: 94 Resp: 2363
Ion Ratio Lower Upper
94 100
96 68.1 73.7 110.5

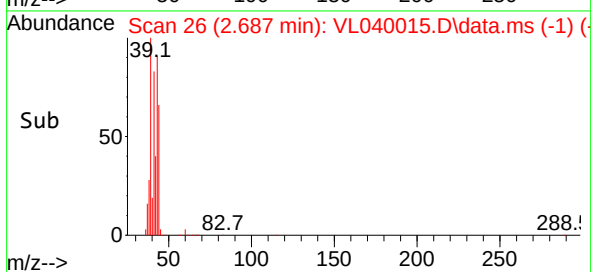
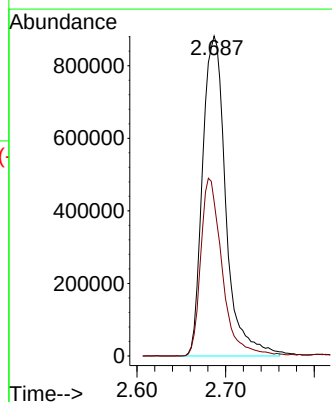
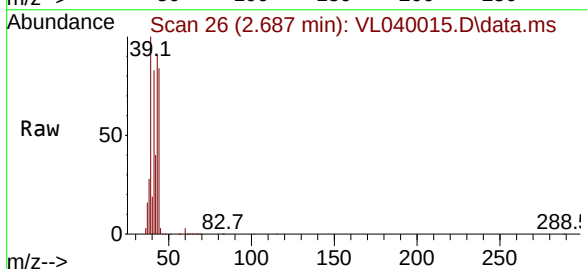
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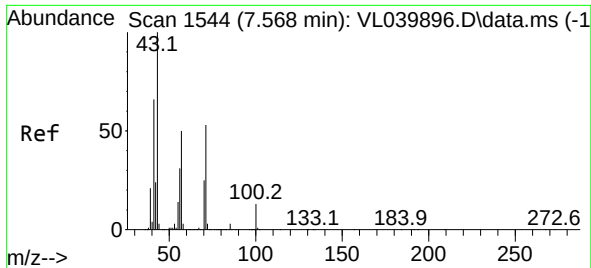
Reviewed By :Semsettin Yesilyurt 12/14/2022
Supervised By :Mahesh Dadoda 12/14/2022



#9
Propene
Concen: 26.436 ppbv m
RT: 2.687 min Scan# 26
Delta R.T. 0.026 min
Lab File: VL040015.D
Acq: 13 Dec 2022 21:33

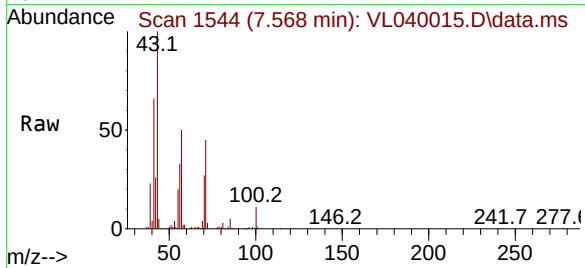
Tgt Ion: 41 Resp: 1603650
Ion Ratio Lower Upper
41 100
42 30.0 55.8 83.6





#10
Heptane
Concen: 1.483 ppbv
RT: 7.568 min Scan# 11
Delta R.T. 0.023 min
Lab File: VL040015.D
Acq: 13 Dec 2022 21:33

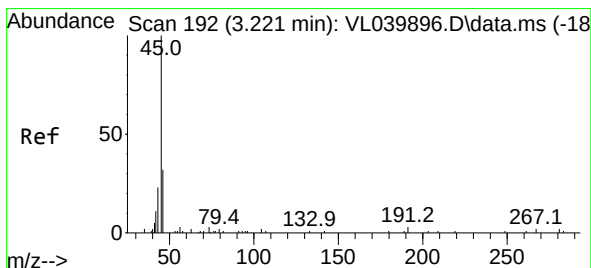
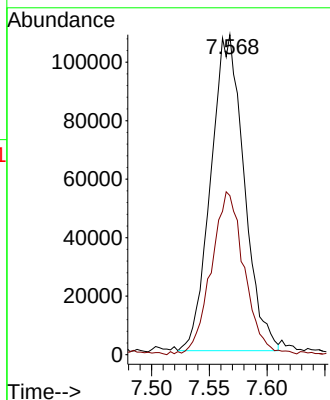
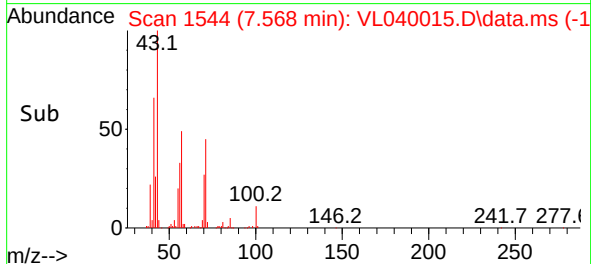
Instrument :
MSVOA_L
ClientSampleId :
SS-4



Tgt Ion: 43 Resp: 217011
Ion Ratio Lower Upper
43 100
57 52.2 40.7 61.1

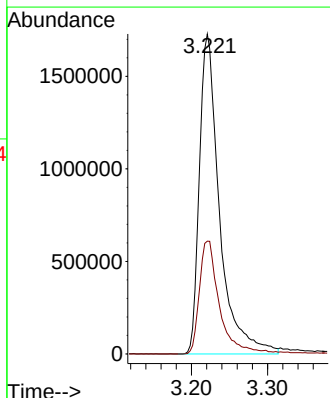
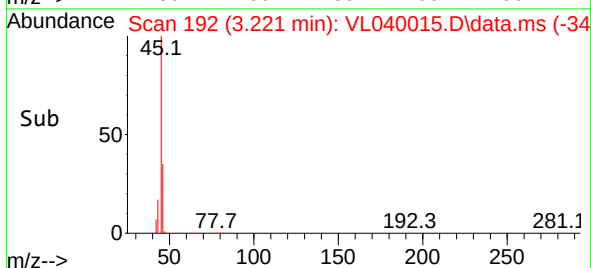
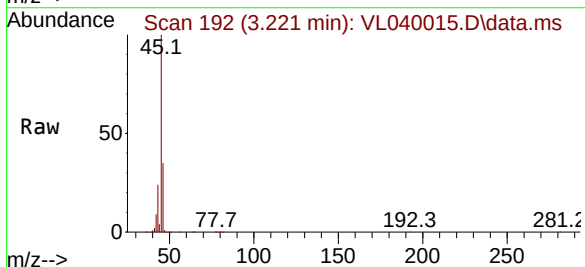
Manual Integrations
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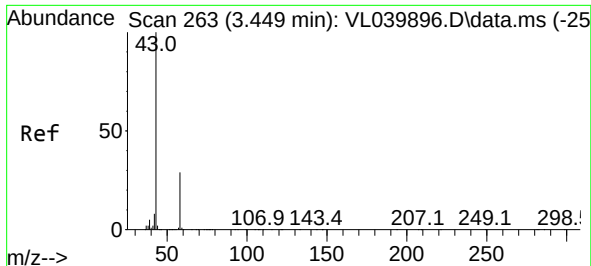
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Supervised By :Mahesh Dadoda 12/14/2022



#13
Ethanol
Concen: 685.244 ppbv
RT: 3.221 min Scan# 192
Delta R.T. 0.006 min
Lab File: VL040015.D
Acq: 13 Dec 2022 21:33

Tgt Ion: 45 Resp: 3173682
Ion Ratio Lower Upper
45 100
46 36.4 14.6 58.2





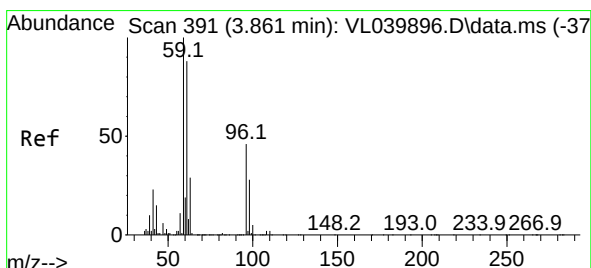
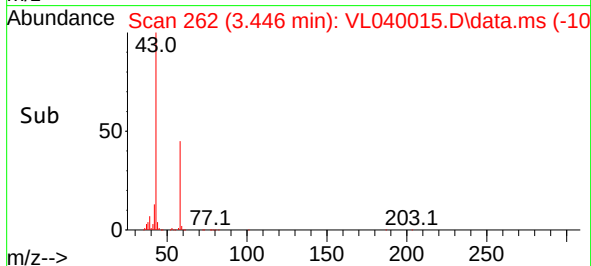
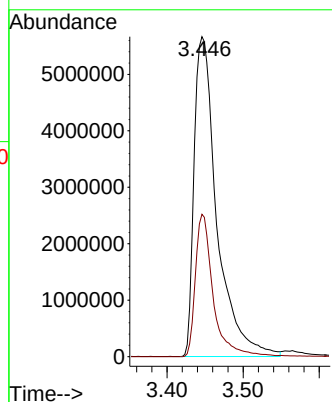
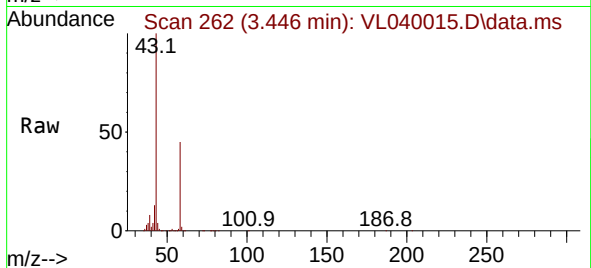
#15
Acetone
Concen: 95.311 ppbv
RT: 3.446 min Scan# 20
Delta R.T. 0.013 min
Lab File: VL040015.D
Acq: 13 Dec 2022 21:33

Instrument :
MSVOA_L
ClientSampleId :
SS-4

Tgt Ion: 43 Resp:1179818
Ion Ratio Lower Upper
43 100
58 35.3 22.9 34.3

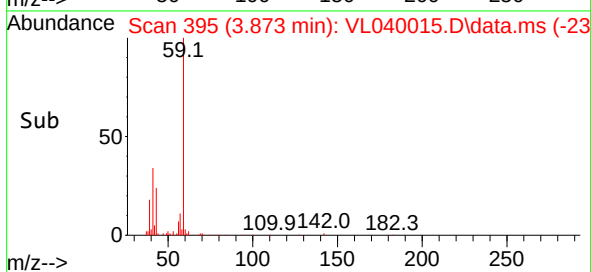
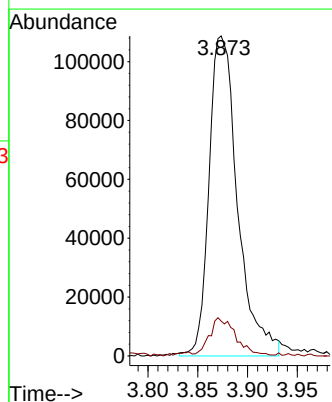
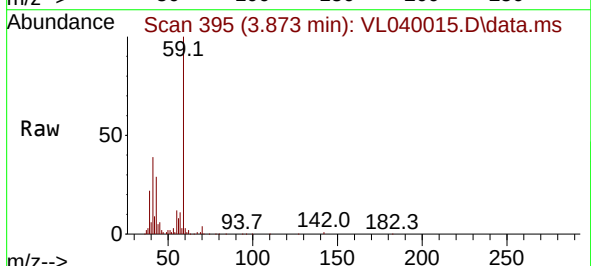
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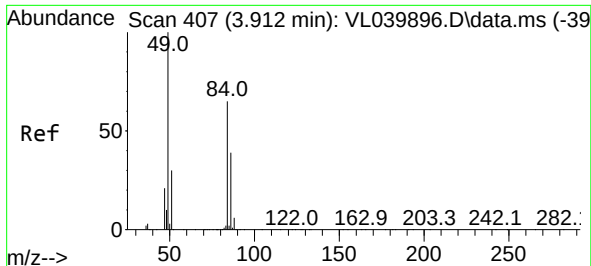
Reviewed By :Semsettin Yesilyurt 12/14/2022
Supervised By :Mahesh Dadoda 12/14/2022



#17
tert-Butyl alcohol
Concen: 1.527 ppbv m
RT: 3.873 min Scan# 395
Delta R.T. 0.029 min
Lab File: VL040015.D
Acq: 13 Dec 2022 21:33

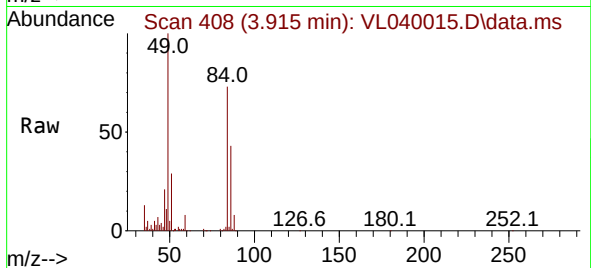
Tgt Ion: 59 Resp: 217394
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5





#20
Methylene Chloride
Concen: 2.121 ppbv
RT: 3.915 min Scan# 407
Delta R.T. 0.019 min
Lab File: VL040015.D
Acq: 13 Dec 2022 21:33

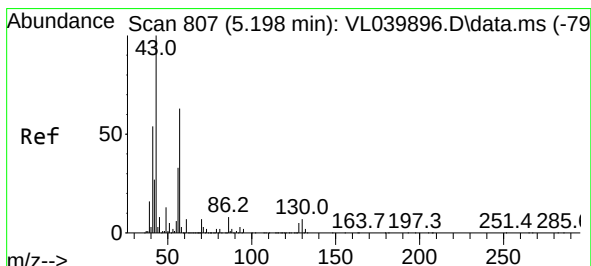
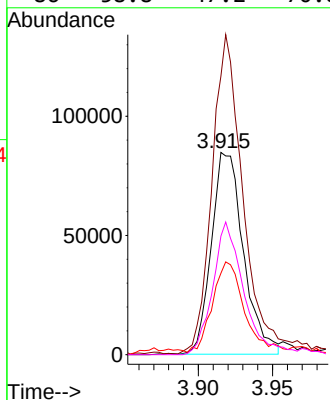
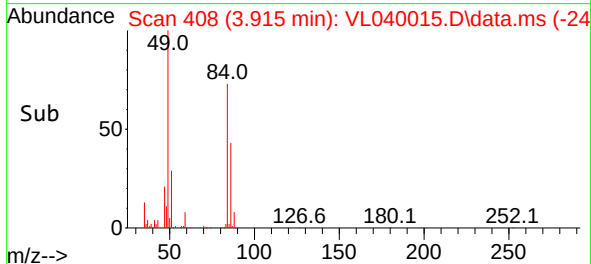
Instrument :
MSVOA_L
ClientSampleId :
SS-4



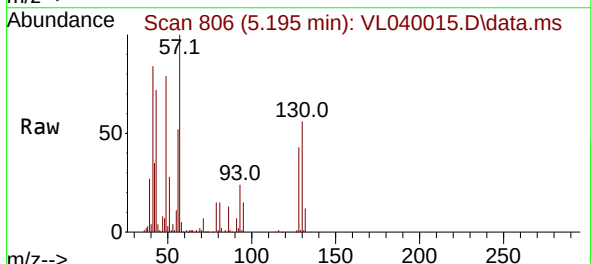
Tgt Ion: 84 Resp: 127208
Ion Ratio Lower Upper
84 100
49 137.6 122.2 183.4
51 37.9 36.3 54.5
86 58.8 47.2 70.8

Manual Integrations
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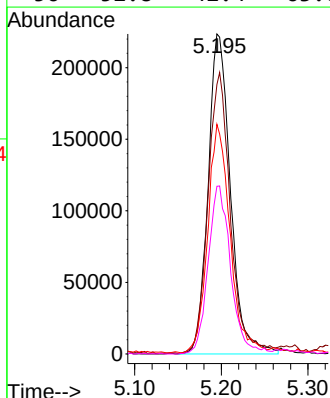
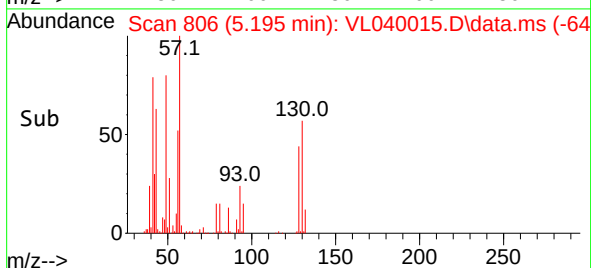
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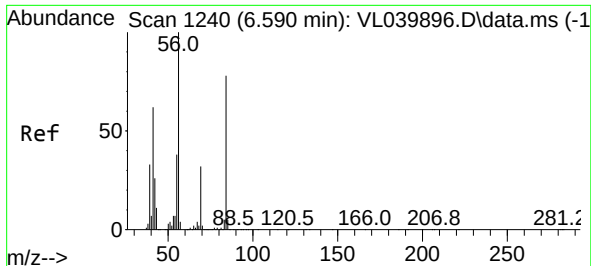


#26
Hexane
Concen: 4.042 ppbv
RT: 5.195 min Scan# 806
Delta R.T. 0.019 min
Lab File: VL040015.D
Acq: 13 Dec 2022 21:33



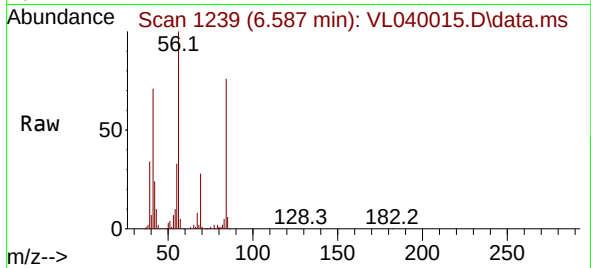
Tgt Ion: 57 Resp: 401278
Ion Ratio Lower Upper
57 100
41 91.0 72.3 108.5
43 72.7 188.7 283.1#
56 52.8 42.4 63.6





#30
Cyclohexane
Concen: 1.983 ppbv
RT: 6.587 min Scan# 1239
Delta R.T. 0.023 min
Lab File: VL040015.D
Acq: 13 Dec 2022 21:33

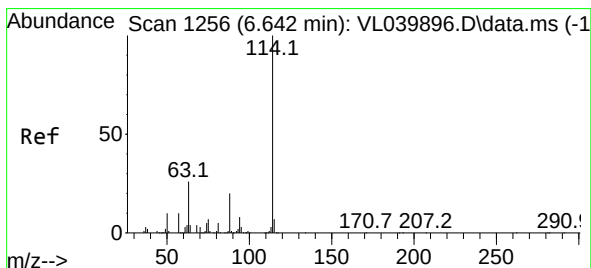
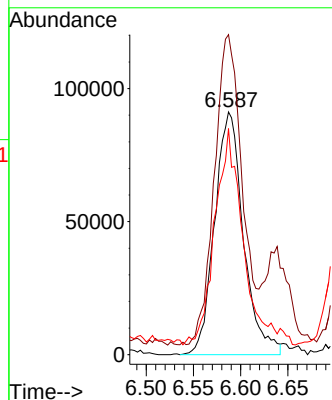
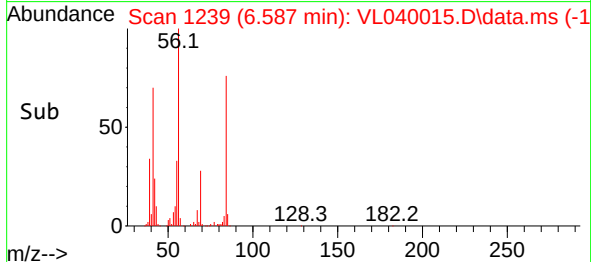
Instrument :
MSVOA_L
ClientSampleId :
SS-4



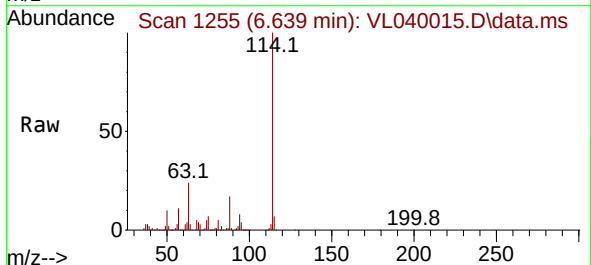
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Ion Ratio Lower Upper
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41 95.6 67.8 101.8

Manual Integrations
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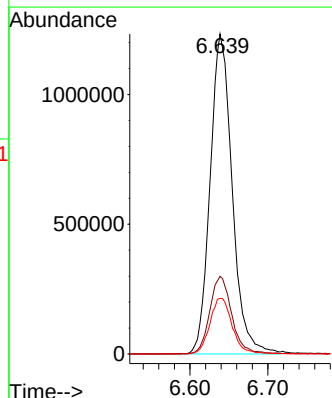
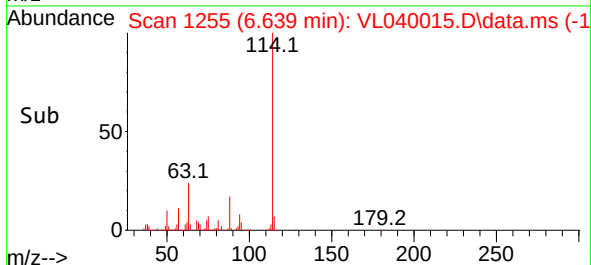
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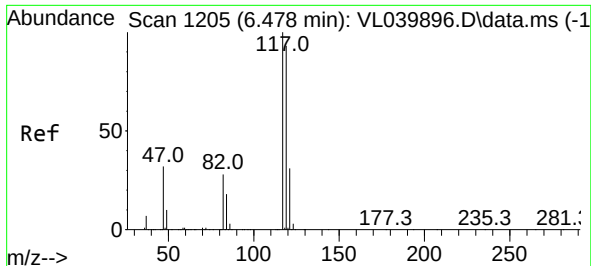


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.639 min Scan# 1255
Delta R.T. 0.019 min
Lab File: VL040015.D
Acq: 13 Dec 2022 21:33



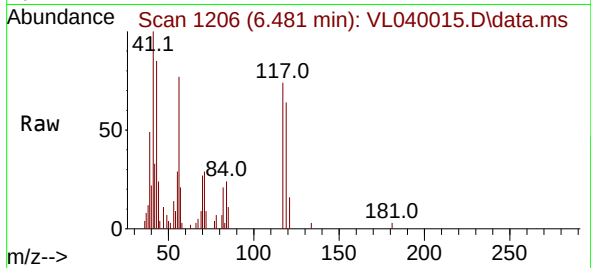
Tgt Ion:114 Resp: 2427119
Ion Ratio Lower Upper
114 100
63 24.4 21.4 32.0
88 17.7 15.3 22.9





#35
Carbon Tetrachloride
Concen: 0.063 ppbv m
RT: 6.481 min Scan# 1166
Delta R.T. 0.026 min
Lab File: VL040015.D
Acq: 13 Dec 2022 21:33

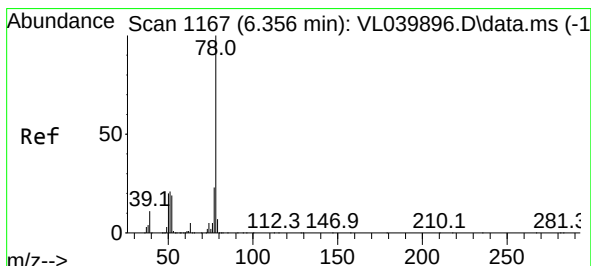
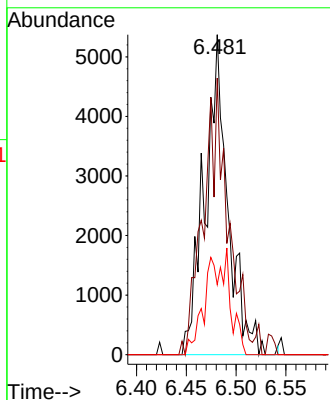
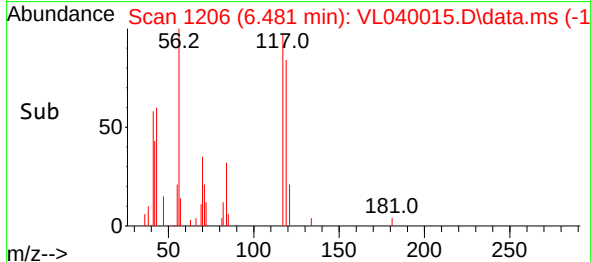
Instrument :
MSVOA_L
ClientSampleId :
SS-4



Tgt Ion: 117 Resp: 869
Ion Ratio Lower Upper
117 100
119 86.4 74.7 112.1
121 21.9 24.5 36.7

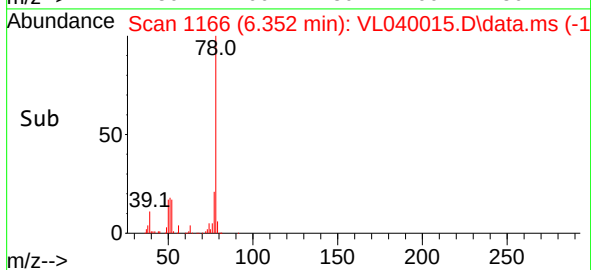
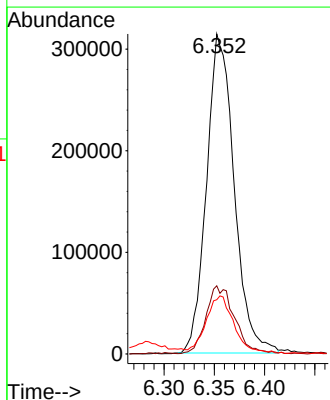
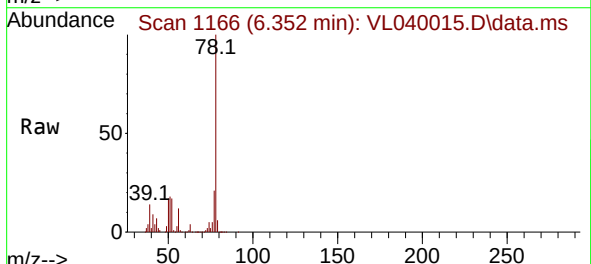
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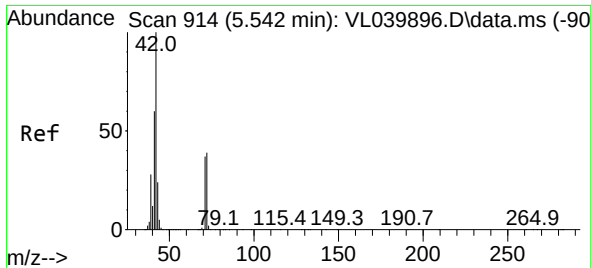
Reviewed By :Semsettin Yesilyurt 12/14/2022
Supervised By :Mahesh Dadoda 12/14/2022



#36
Benzene
Concen: 2.907 ppbv
RT: 6.352 min Scan# 1166
Delta R.T. 0.019 min
Lab File: VL040015.D
Acq: 13 Dec 2022 21:33

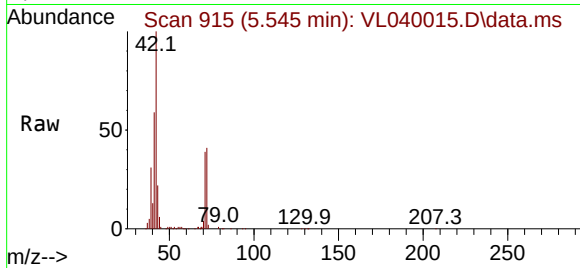
Tgt Ion: 78 Resp: 599694
Ion Ratio Lower Upper
78 100
77 21.3 18.2 27.2
50 16.2 15.8 23.8





#41
Tetrahydrofuran
Concen: 2.214 ppbv
RT: 5.545 min Scan# 914
Delta R.T. 0.026 min
Lab File: VL040015.D
Acq: 13 Dec 2022 21:33

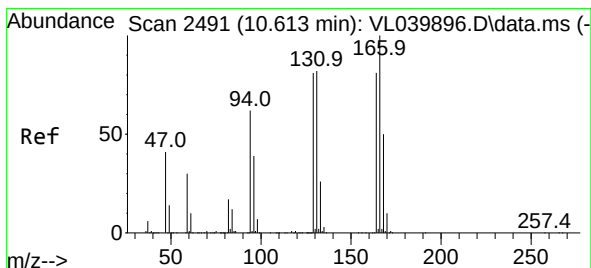
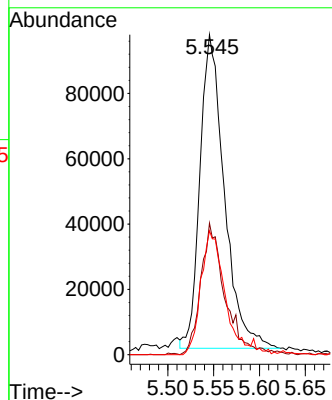
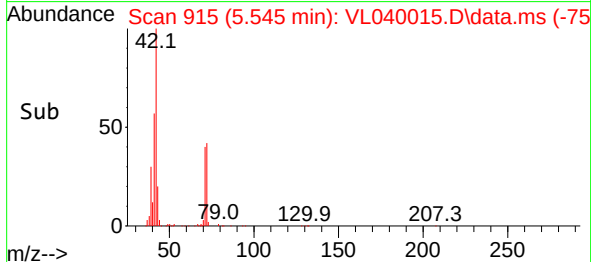
Instrument :
MSVOA_L
ClientSampleId :
SS-4



Tgt Ion: 42 Resp: 177510
Ion Ratio Lower Upper
42 100
72 42.1 31.6 47.4
71 40.2 31.2 46.8

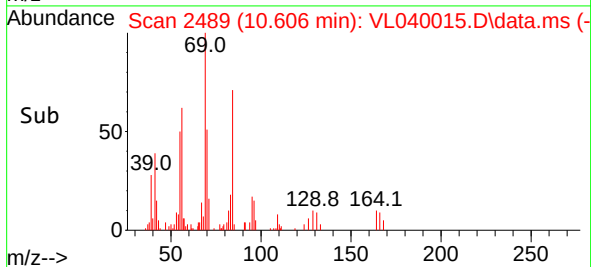
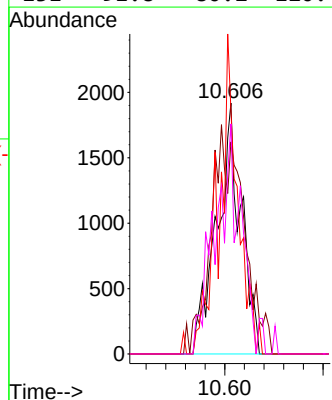
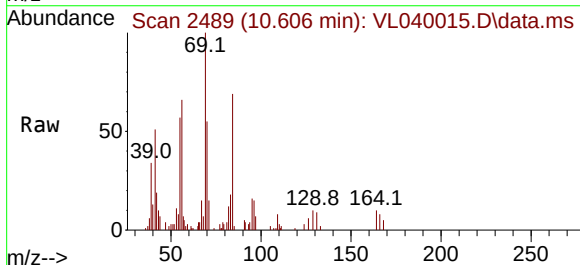
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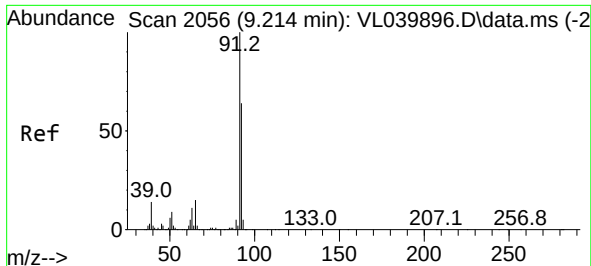
Reviewed By :Semsettin Yesilyurt 12/14/2022
Supervised By :Mahesh Dadoda 12/14/2022



#52
Tetrachloroethene
Concen: 0.042 ppbv m
RT: 10.606 min Scan# 2489
Delta R.T. 0.026 min
Lab File: VL040015.D
Acq: 13 Dec 2022 21:33

Tgt Ion:164 Resp: 3267
Ion Ratio Lower Upper
164 100
166 84.6 98.3 147.5#
129 97.0 79.7 119.5
131 91.8 80.2 120.4





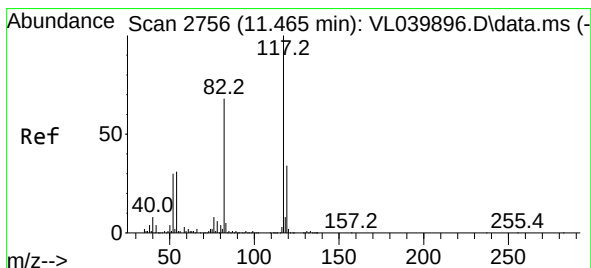
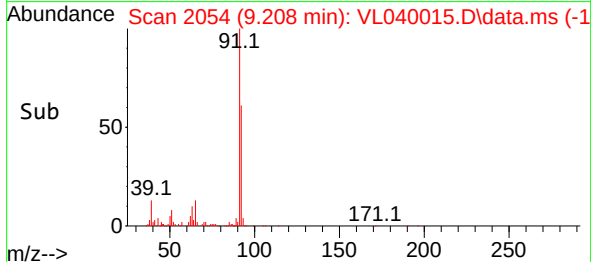
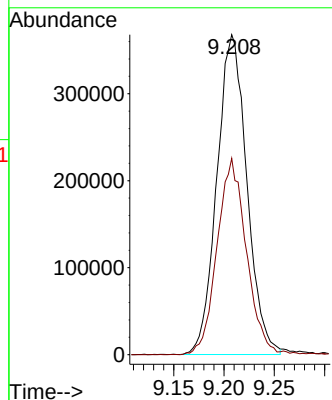
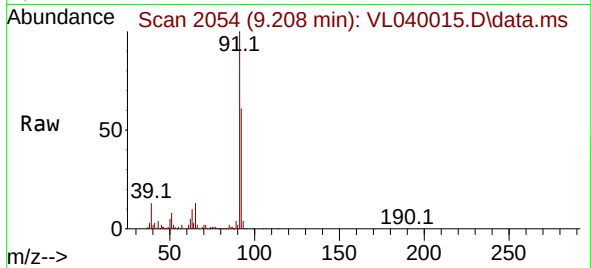
#53
Toluene
Concen: 3.244 ppbv
RT: 9.208 min Scan# 2056
Delta R.T. 0.023 min
Lab File: VL040015.D
Acq: 13 Dec 2022 21:33

Instrument : MSVOA_L
ClientSampleId : SS-4

Tgt Ion: 91 Resp: 762360
Ion Ratio Lower Upper
91 100
92 60.4 49.8 74.6

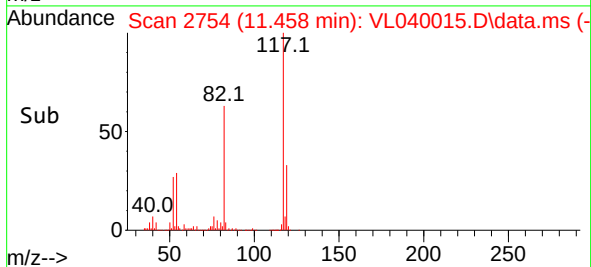
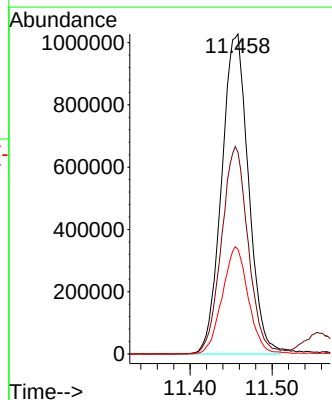
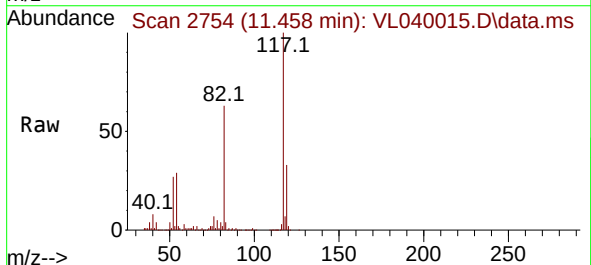
Manual Integrations
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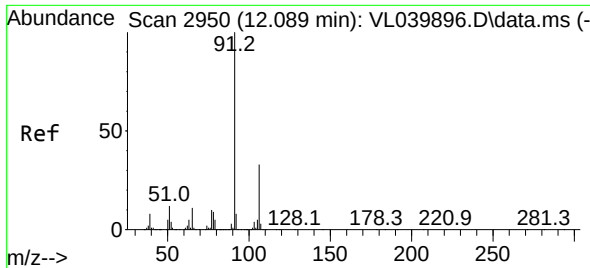
Reviewed By :Semsettin Yesilyurt 12/14/2022
Supervised By :Mahesh Dadoda 12/14/2022



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.458 min Scan# 2754
Delta R.T. 0.026 min
Lab File: VL040015.D
Acq: 13 Dec 2022 21:33

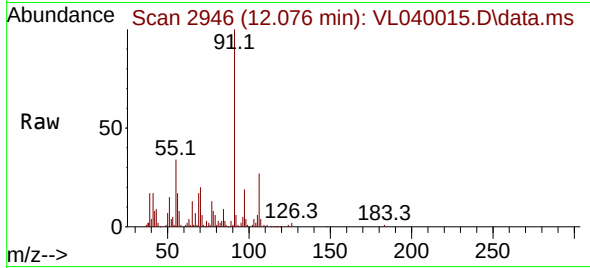
Tgt Ion:117 Resp: 2338478
Ion Ratio Lower Upper
117 100
82 64.5 52.3 78.5
119 32.9 25.7 38.5





#58
Ethyl Benzene
Concen: 0.407 ppbv
RT: 12.076 min Scan# 2950
Delta R.T. 0.019 min
Lab File: VL040015.D
Acq: 13 Dec 2022 21:33

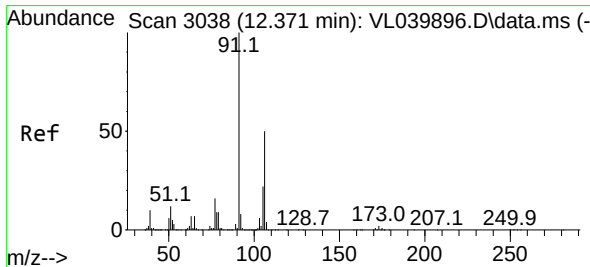
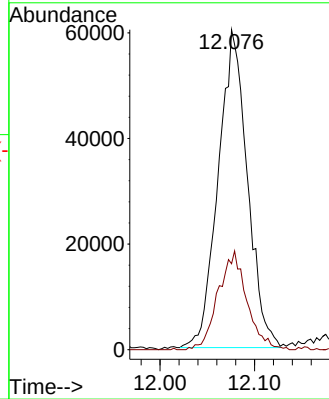
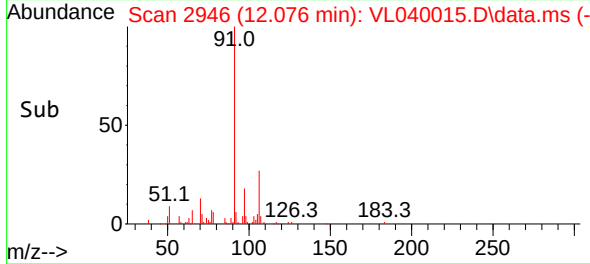
Instrument :
MSVOA_L
ClientSampleId :
SS-4



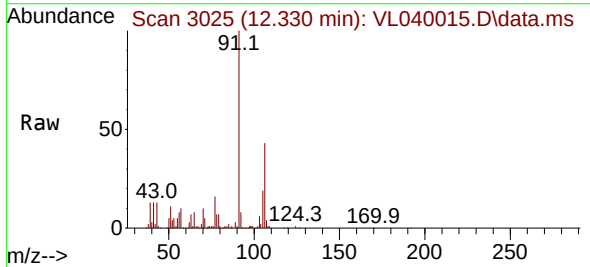
Tgt Ion: 91 Resp: 128974
Ion Ratio Lower Upper
91 100
106 27.0 26.1 39.1

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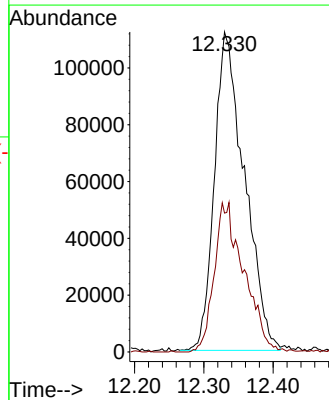
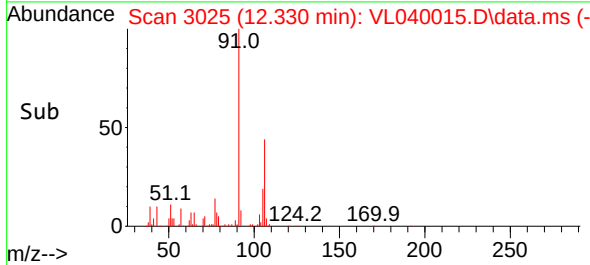
Reviewed By :Semsettin Yesilyurt 12/14/2022
Supervised By :Mahesh Dadoda 12/14/2022

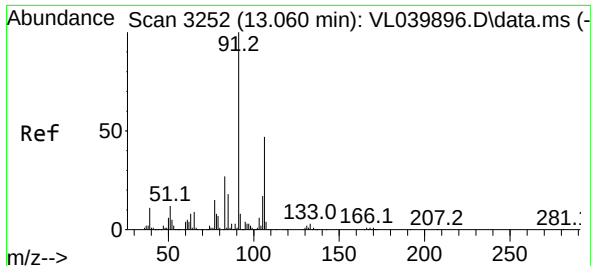


#59
m/p-Xylene
Concen: 1.271 ppbv
RT: 12.330 min Scan# 3025
Delta R.T. -0.010 min
Lab File: VL040015.D
Acq: 13 Dec 2022 21:33



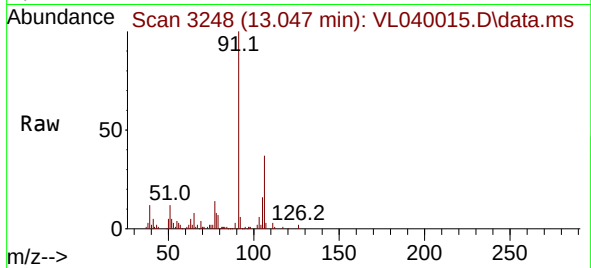
Tgt Ion: 91 Resp: 337460
Ion Ratio Lower Upper
91 100
106 46.6 37.0 55.6





#60
o-Xylene
Concen: 0.675 ppbv
RT: 13.047 min Scan# 3199
Delta R.T. 0.019 min
Lab File: VL040015.D
Acq: 13 Dec 2022 21:33

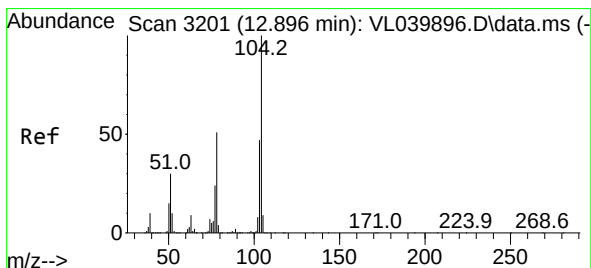
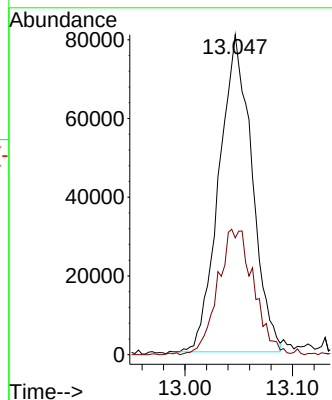
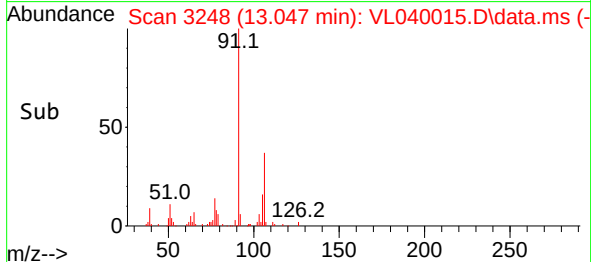
Instrument :
MSVOA_L
ClientSampleId :
SS-4



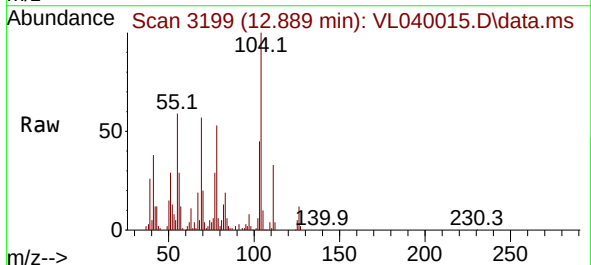
Tgt Ion: 91 Resp: 17100
Ion Ratio Lower Upper
91 100
106 44.1 23.2 69.6

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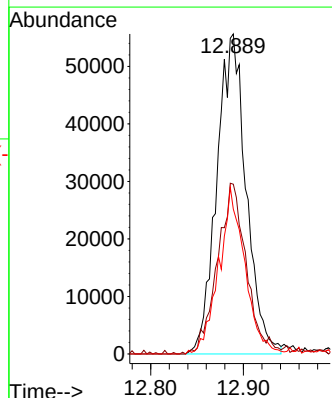
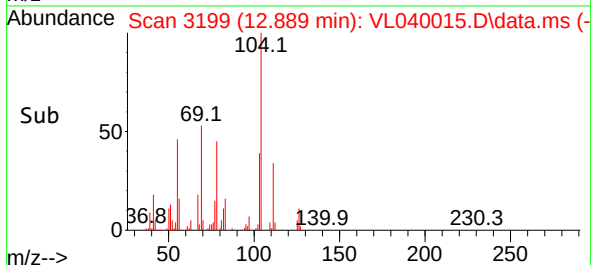
Reviewed By :Semsettin Yesilyurt 12/14/2022
Supervised By :Mahesh Dadoda 12/14/2022

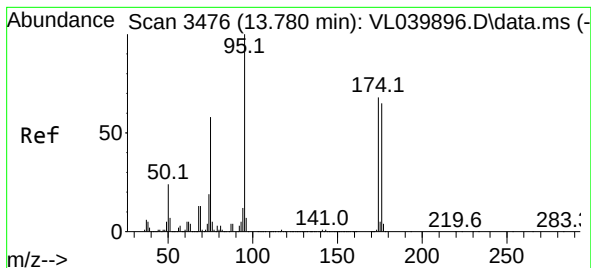


#61
Styrene
Concen: 0.809 ppbv m
RT: 12.889 min Scan# 3199
Delta R.T. 0.026 min
Lab File: VL040015.D
Acq: 13 Dec 2022 21:33



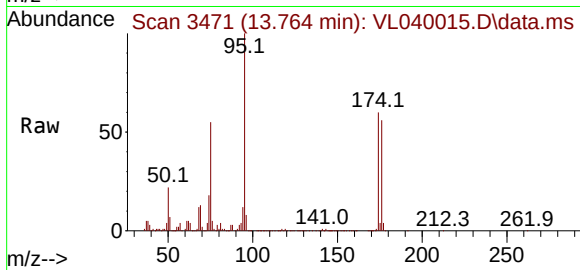
Tgt Ion:104 Resp: 122210
Ion Ratio Lower Upper
104 100
78 0.0 41.8 62.8#
103 0.0 37.2 55.8#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.280 ppbv
 RT: 13.764 min Scan# 3476
 Delta R.T. 0.023 min
 Lab File: VL040015.D
 Acq: 13 Dec 2022 21:33

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-4



Tgt Ion: 95 Resp: 1836144
 Ion Ratio Lower Upper
 95 100
 174 60.5 53.7 80.5
 175 4.3 4.0 6.0

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 12/14/2022
 Supervised By :Mahesh Dadoda 12/14/2022

