

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL062223\
 Data File : VL040489.D
 Acq On : 22 Jun 2023 17:23
 Operator : SY/MD
 Sample : 03300-03DL 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 AI-1DL

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 06/26/2023
 Supervised By : Mahesh Dadoda 06/27/2023

Quant Time: Jun 23 01:31:32 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL060523AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Tue Jun 06 06:22:12 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.182	49	1098161	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.639	114	2771009	10.000	ppbv	-0.02
55) Chlorobenzene-d5	11.452	117	2444091	10.000	ppbv	-0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.764	95	1982383	9.827	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.300%
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.729	85	24495m	0.102	ppbv	
3) Chlorodifluoromethane	2.671	51	12278m	0.068	ppbv	
4) Chloromethane	2.812	50	9030	0.130	ppbv #	80
9) Propene	2.693	41	134442	2.424	ppbv	86
10) Heptane	7.568	43	16595m	0.132	ppbv	
11) Trichlorofluoromethane	3.558	101	10743m	0.055	ppbv	
13) Ethanol	3.237	45	179194	15.601	ppbv	94
15) Acetone	3.468	43	200329	1.512	ppbv	94
20) Methylene Chloride	3.928	84	167799	2.968	ppbv	96
26) Hexane	5.201	57	102566	0.902	ppbv #	46
36) Benzene	6.359	78	150324	0.682	ppbv	94
44) 2,2,4-Trimethylpentane	7.314	57	174258m	0.484	ppbv	
53) Toluene	9.208	91	282210	1.216	ppbv	100
58) Ethyl Benzene	12.076	91	64496m	0.218	ppbv	
59) m/p-Xylene	12.336	91	201022m	0.739	ppbv	
60) o-Xylene	13.050	91	64315m	0.249	ppbv	
74) 1,2,4-Trimethylbenzene	16.098	105	32715m	0.108	ppbv	

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

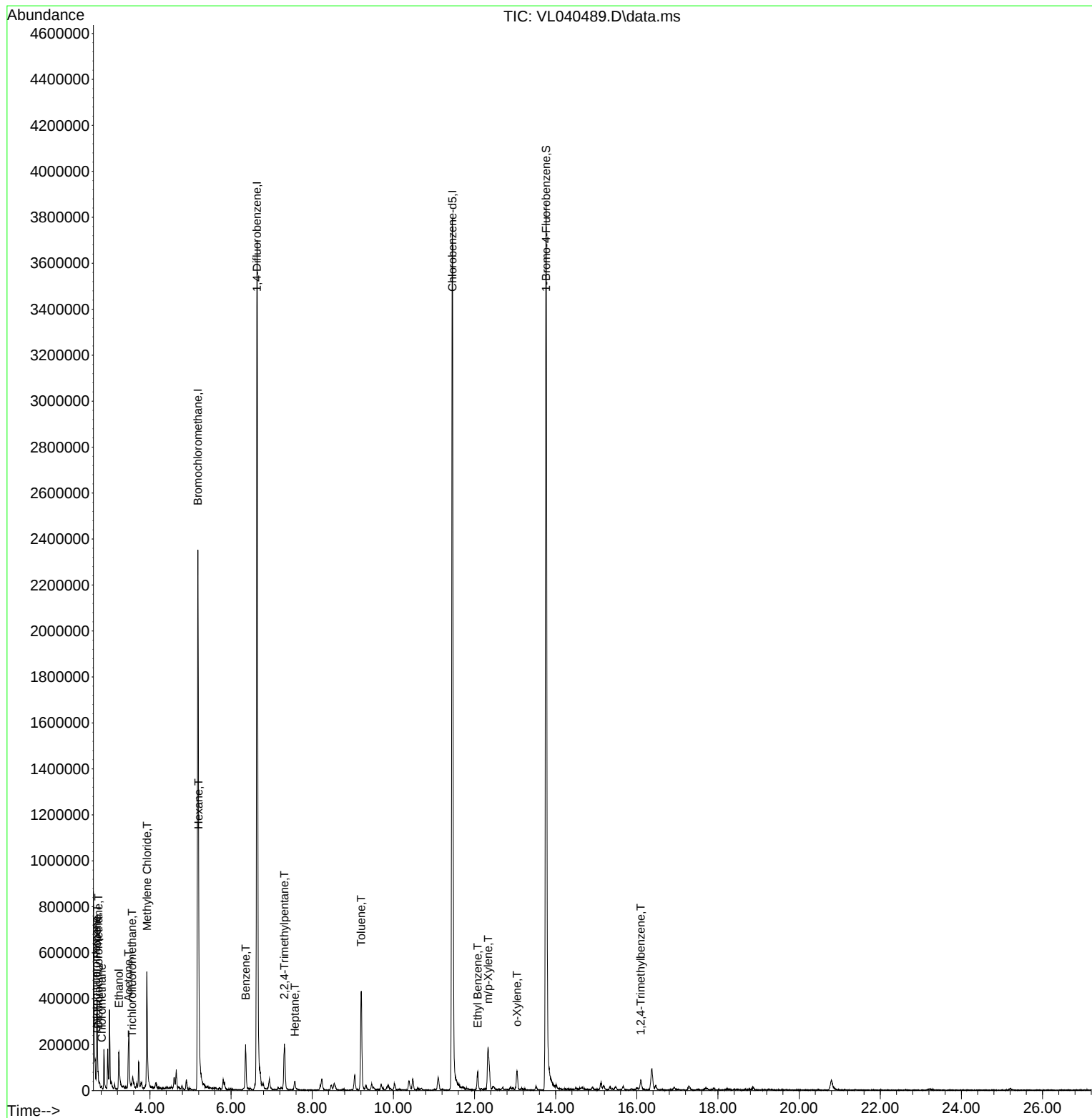
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL062223\
Data File : VL040489.D
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Sample : 03300-03DL 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

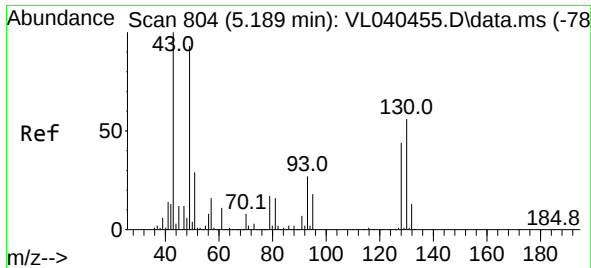
Instrument :
MSVOA_L
ClientSampleId :
AI-1DL

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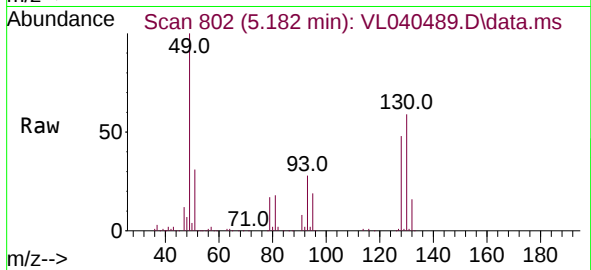
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL060523AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Tue Jun 06 06:22:12 2023
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.182 min Scan# 80
Delta R.T. -0.007 min
Lab File: VL040489.D
Acq: 22 Jun 2023 17:23

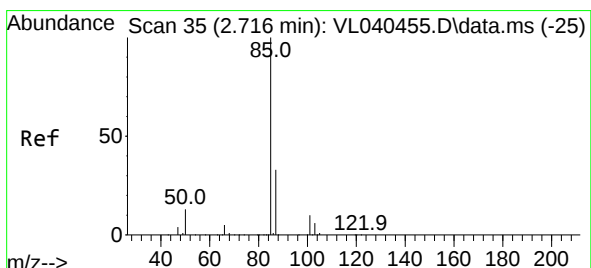
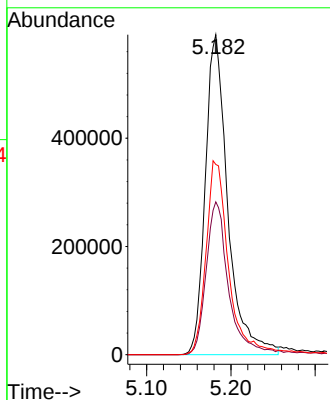
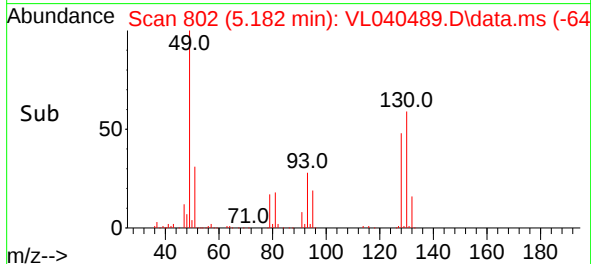
Instrument :
MSVOA_L
ClientSampleId :
AI-1DL



Tgt Ion: 49 Resp: 109816
Ion Ratio Lower Upper
49 100
128 49.3 24.7 74.1
130 62.2 31.4 94.2

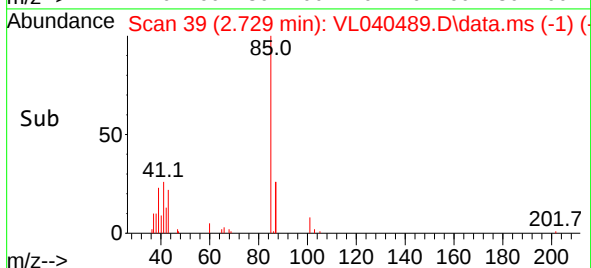
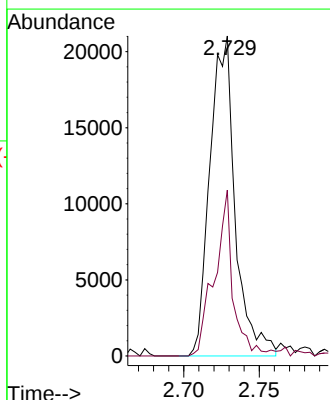
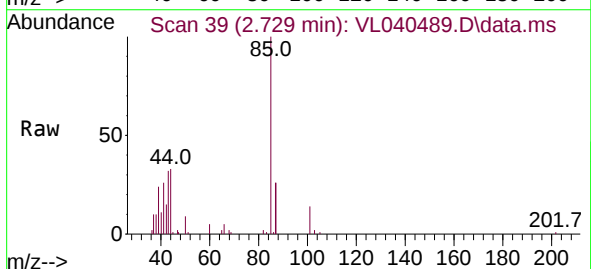
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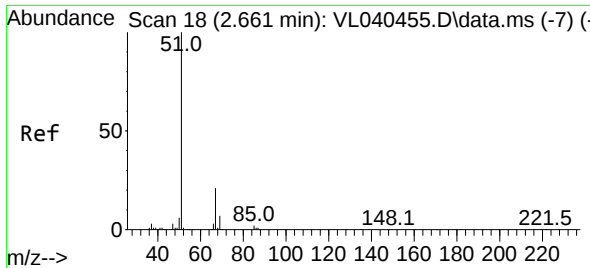
Reviewed By :Semsettin Yesilyurt 06/26/2023
Supervised By :Mahesh Dadoda 06/27/2023



#2
Dichlorodifluoromethane
Concen: 0.102 ppbv m
RT: 2.729 min Scan# 39
Delta R.T. 0.013 min
Lab File: VL040489.D
Acq: 22 Jun 2023 17:23

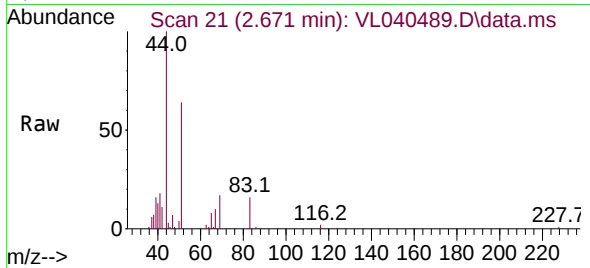
Tgt Ion: 85 Resp: 24495
Ion Ratio Lower Upper
85 100
87 26.1 26.6 39.8#





#3
Chlorodifluoromethane
Concen: 0.068 ppbv m
RT: 2.671 min Scan# 21
Delta R.T. 0.010 min
Lab File: VL040489.D
Acq: 22 Jun 2023 17:23

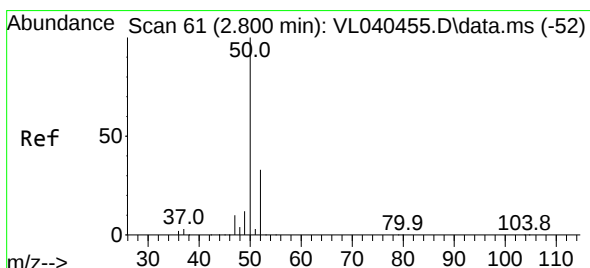
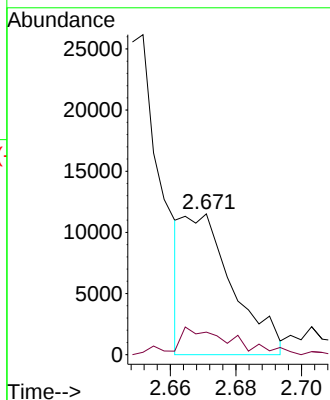
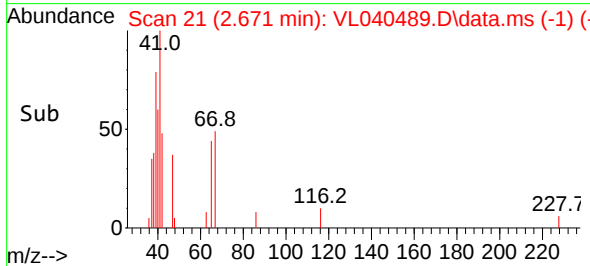
Instrument :
MSVOA_L
ClientSampleId :
AI-1DL



Tgt Ion: 51 Resp: 12278
Ion Ratio Lower Upper
51 100
67 22.8 16.3 24.5

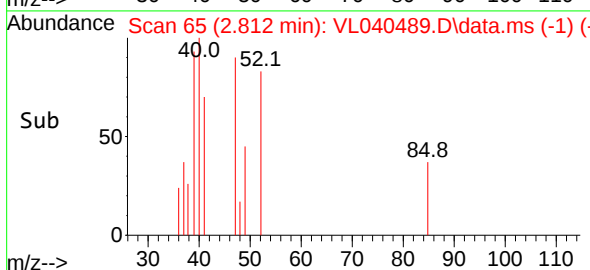
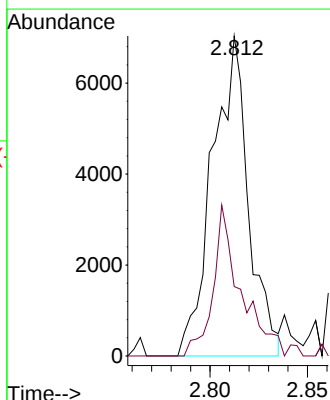
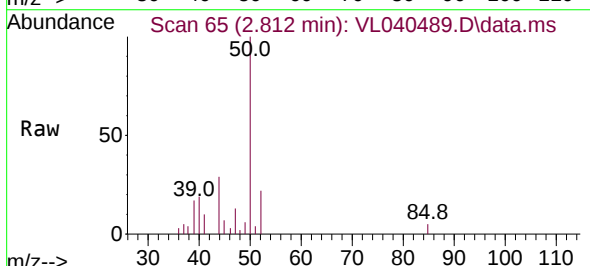
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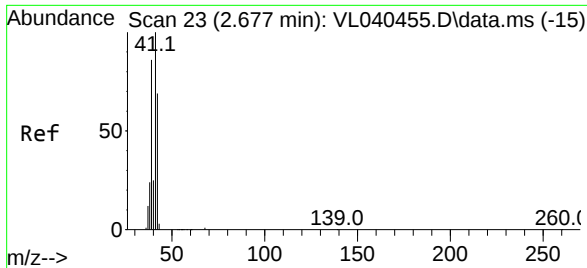
Reviewed By :Semsettin Yesilyurt 06/26/2023
Supervised By :Mahesh Dadoda 06/27/2023



#4
Chloromethane
Concen: 0.130 ppbv
RT: 2.812 min Scan# 65
Delta R.T. 0.013 min
Lab File: VL040489.D
Acq: 22 Jun 2023 17:23

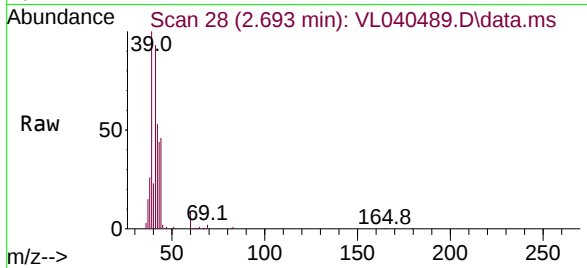
Tgt Ion: 50 Resp: 9030
Ion Ratio Lower Upper
50 100
52 21.7 26.3 39.5#





#9
 Propene
 Concen: 2.424 ppbv
 RT: 2.693 min Scan# 21
 Delta R.T. 0.016 min
 Lab File: VL040489.D
 Acq: 22 Jun 2023 17:23

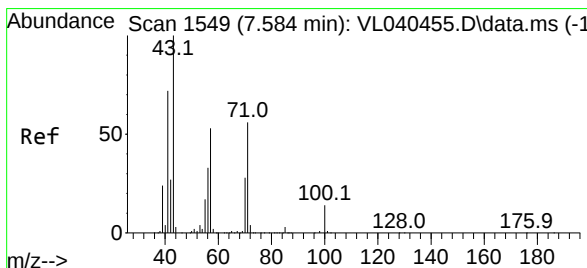
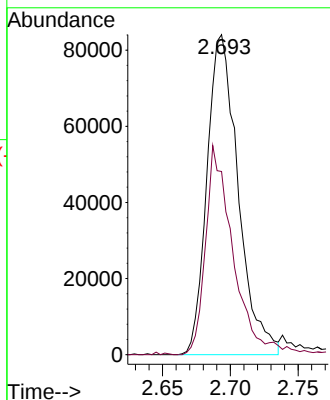
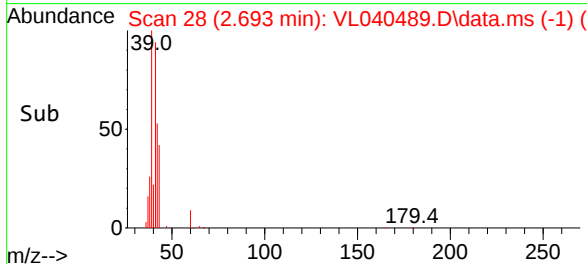
Instrument :
 MSVOA_L
 ClientSampleId :
 AI-1DL



Tgt Ion: 41 Resp: 13444
 Ion Ratio Lower Upper
 41 100
 42 59.1 56.2 84.2

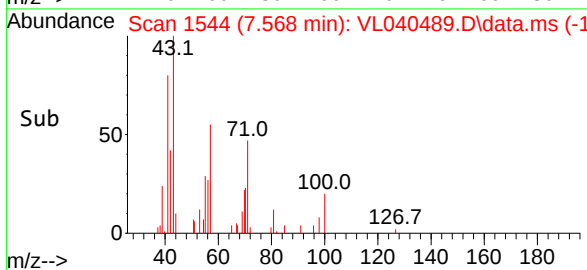
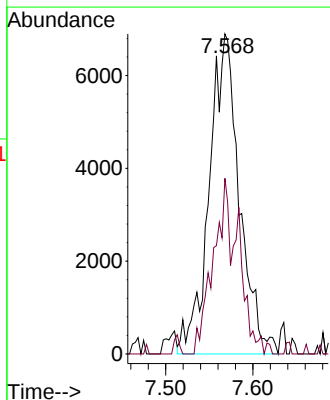
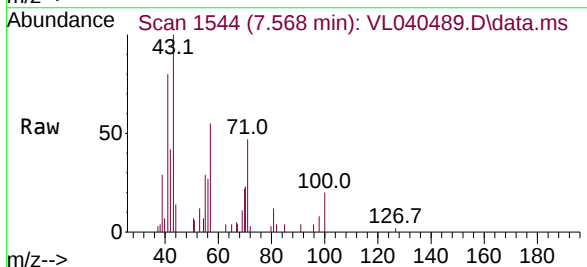
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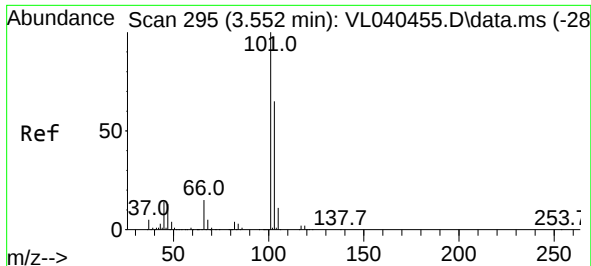
Reviewed By :Semsettin Yesilyurt 06/26/2023
 Supervised By :Mahesh Dadoda 06/27/2023



#10
 Heptane
 Concen: 0.132 ppbv m
 RT: 7.568 min Scan# 1544
 Delta R.T. -0.016 min
 Lab File: VL040489.D
 Acq: 22 Jun 2023 17:23

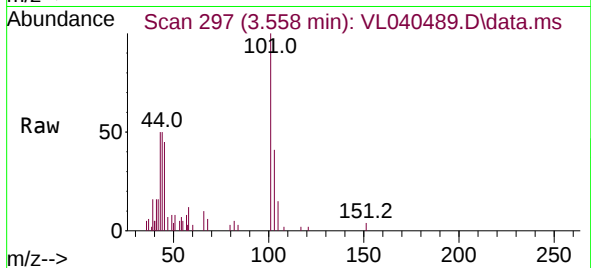
Tgt Ion: 43 Resp: 16595
 Ion Ratio Lower Upper
 43 100
 57 46.0 42.5 63.7





#11
Trichlorofluoromethane
Concen: 0.055 ppbv m
RT: 3.558 min Scan# 295
Delta R.T. 0.006 min
Lab File: VL040489.D
Acq: 22 Jun 2023 17:23

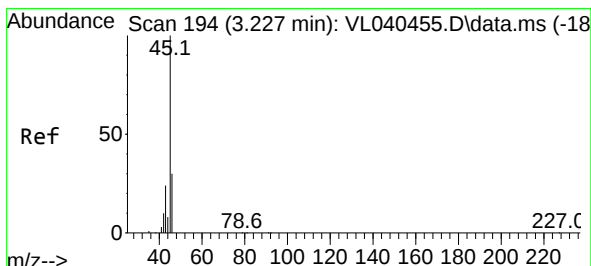
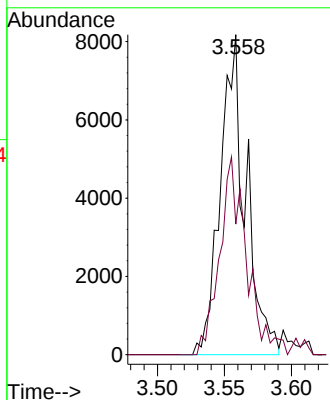
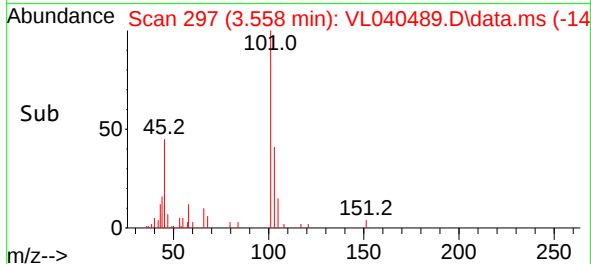
Instrument :
MSVOA_L
ClientSampleId :
AI-1DL



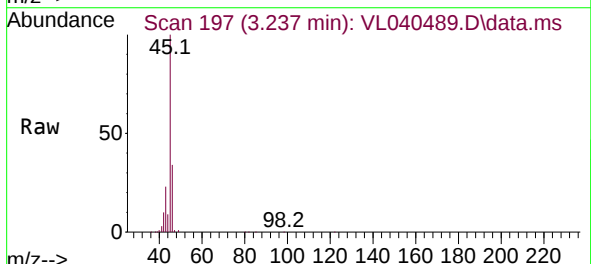
Tgt Ion:101 Resp: 1074
Ion Ratio Lower Upper
101 100
103 40.8 51.7 77.5

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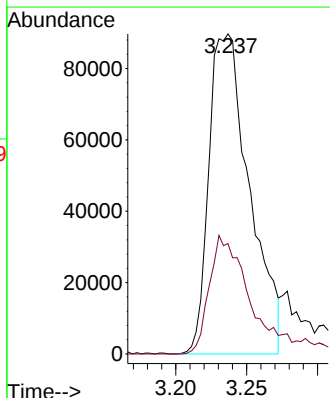
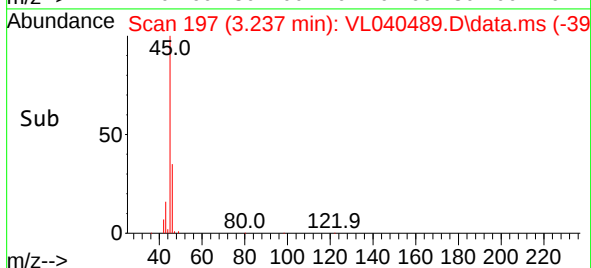
Reviewed By :Semsettin Yesilyurt 06/26/2023
Supervised By :Mahesh Dadoda 06/27/2023

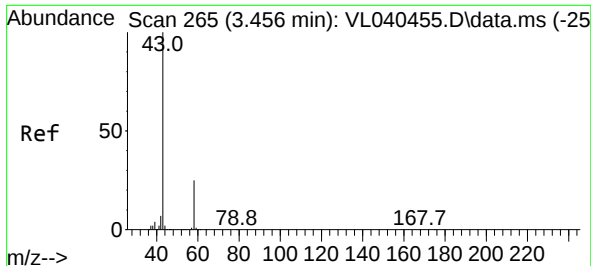


#13
Ethanol
Concen: 15.601 ppbv
RT: 3.237 min Scan# 197
Delta R.T. 0.010 min
Lab File: VL040489.D
Acq: 22 Jun 2023 17:23



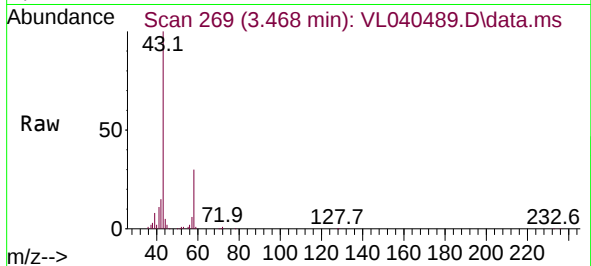
Tgt Ion: 45 Resp: 179194
Ion Ratio Lower Upper
45 100
46 39.9 14.5 58.1





#15
Acetone
Concen: 1.512 ppbv
RT: 3.468 min Scan# 200329
Delta R.T. 0.013 min
Lab File: VL040489.D
Acq: 22 Jun 2023 17:23

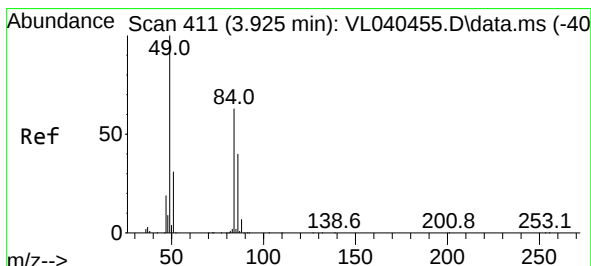
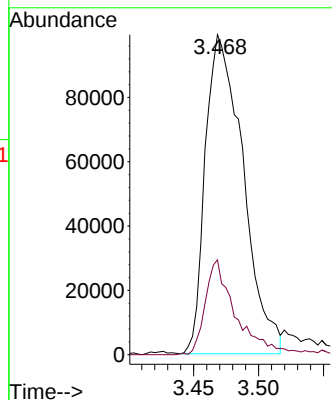
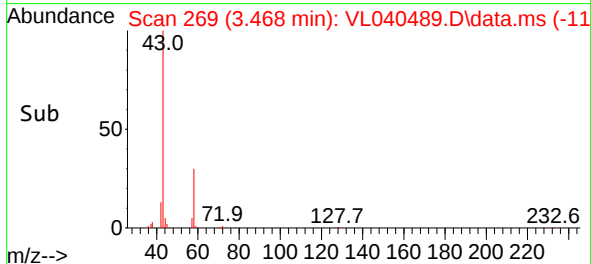
Instrument :
MSVOA_L
ClientSampleId :
AI-1DL



Tgt Ion: 43 Resp: 200329
Ion Ratio Lower Upper
43 100
58 24.1 21.6 32.4

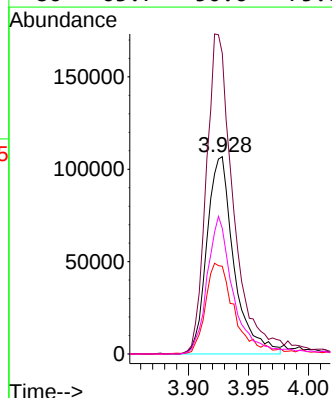
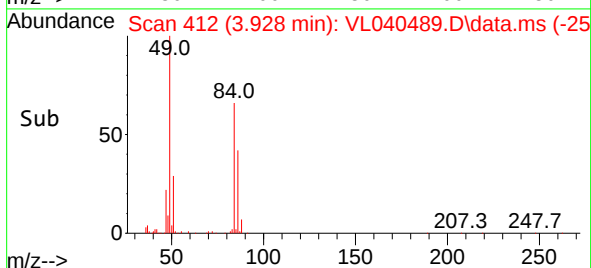
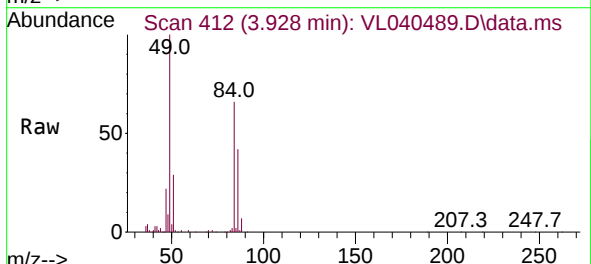
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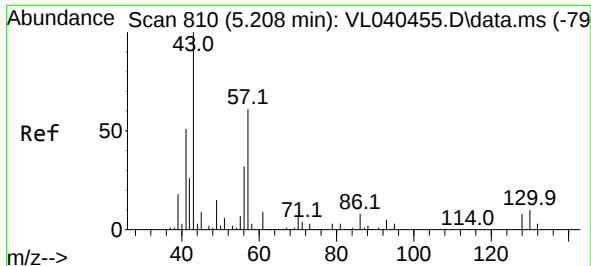
Reviewed By :Semsettin Yesilyurt 06/26/2023
Supervised By :Mahesh Dadoda 06/27/2023



#20
Methylene Chloride
Concen: 2.968 ppbv
RT: 3.928 min Scan# 412
Delta R.T. 0.003 min
Lab File: VL040489.D
Acq: 22 Jun 2023 17:23

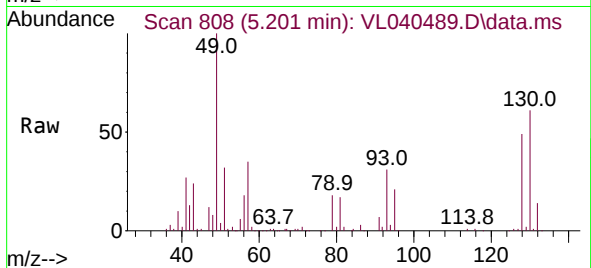
Tgt Ion: 84 Resp: 167799
Ion Ratio Lower Upper
84 100
49 152.4 126.2 189.2
51 44.1 38.7 58.1
86 63.7 50.6 75.8





#26
Hexane
Concen: 0.902 ppbv
RT: 5.201 min Scan# 808
Delta R.T. -0.006 min
Lab File: VL040489.D
Acq: 22 Jun 2023 17:23

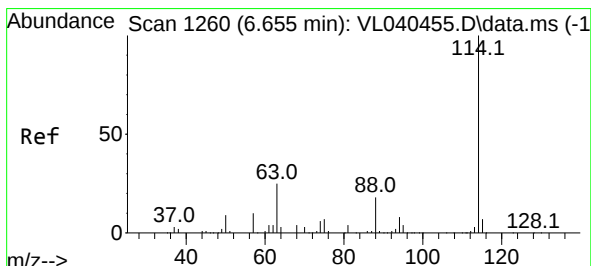
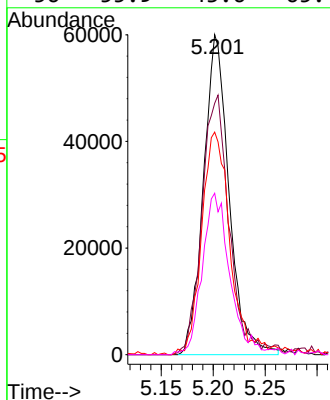
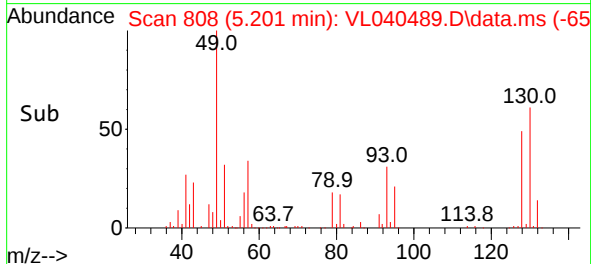
Instrument :
MSVOA_L
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AI-1DL



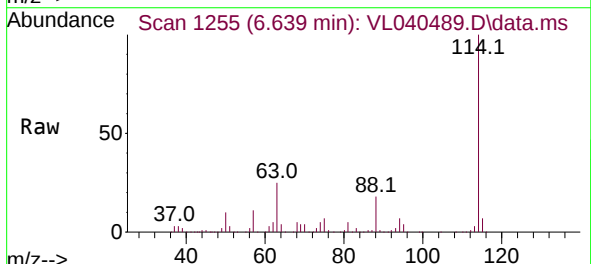
Tgt Ion: 57 Resp: 102560
Ion Ratio Lower Upper
57 100
41 89.3 73.0 109.6
43 79.9 177.5 266.3
56 55.9 43.6 65.4

Manual Integrations
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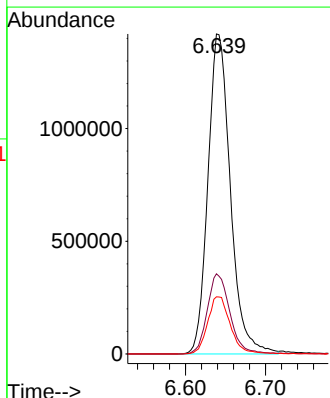
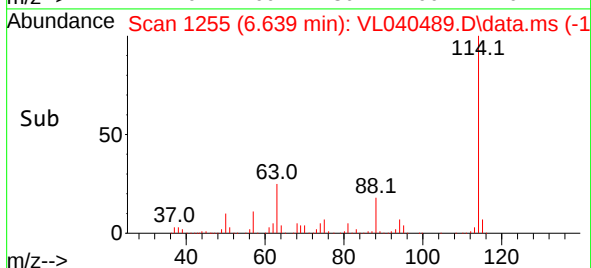
Reviewed By :Semsettin Yesilyurt 06/26/2023
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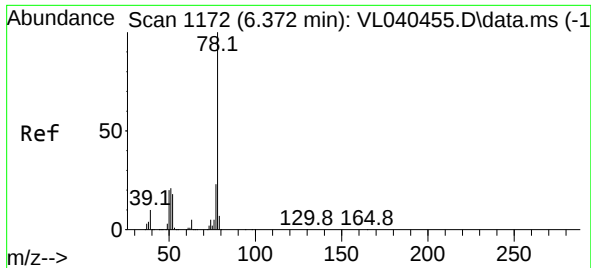


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.639 min Scan# 1255
Delta R.T. -0.016 min
Lab File: VL040489.D
Acq: 22 Jun 2023 17:23



Tgt Ion:114 Resp: 2771009
Ion Ratio Lower Upper
114 100
63 25.4 21.0 31.6
88 18.2 14.5 21.7





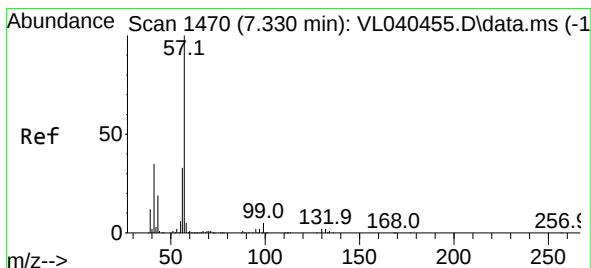
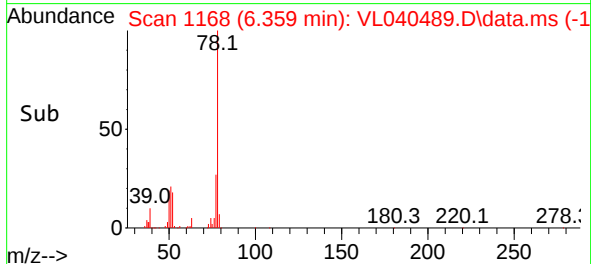
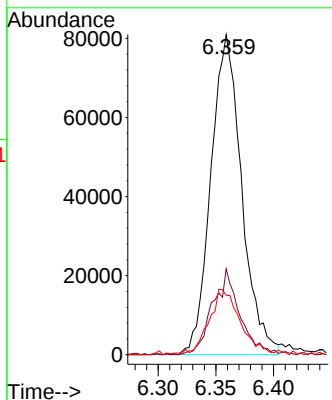
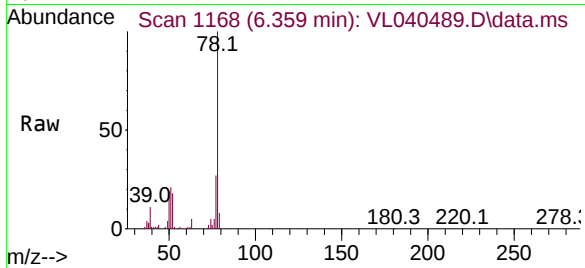
#36
Benzene
Concen: 0.682 ppbv
RT: 6.359 min Scan# 1168
Delta R.T. -0.013 min
Lab File: VL040489.D
Acq: 22 Jun 2023 17:23

Instrument :
MSVOA_L
ClientSampleId :
AI-1DL

Tgt Ion: 78 Resp: 150324
Ion Ratio Lower Upper
78 100
77 26.9 18.5 27.7
50 18.0 16.1 24.1

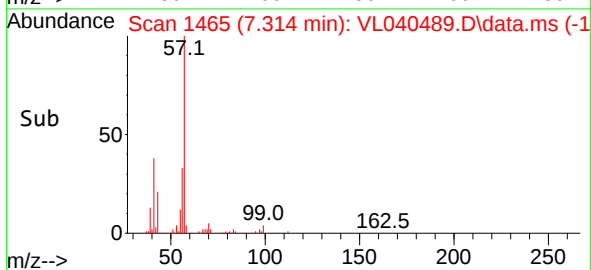
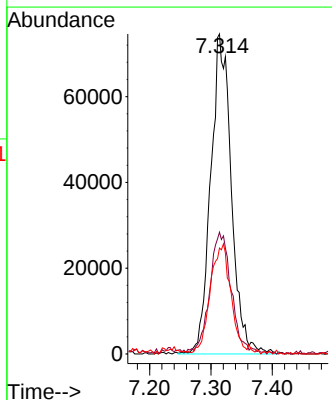
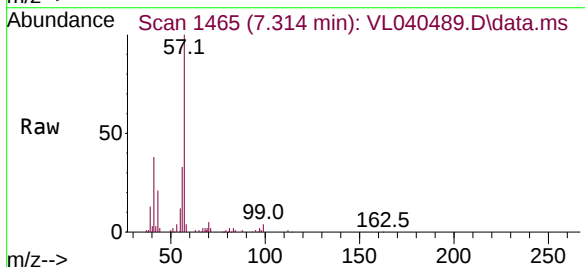
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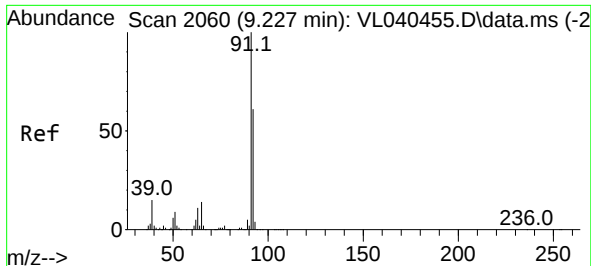
Reviewed By :Semsettin Yesilyurt 06/26/2023
Supervised By :Mahesh Dadoda 06/27/2023



#44
2,2,4-Trimethylpentane
Concen: 0.484 ppbv m
RT: 7.314 min Scan# 1465
Delta R.T. -0.016 min
Lab File: VL040489.D
Acq: 22 Jun 2023 17:23

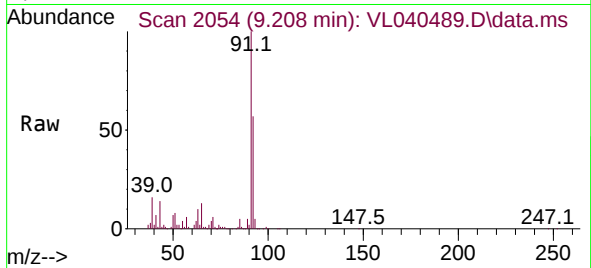
Tgt Ion: 57 Resp: 174258
Ion Ratio Lower Upper
57 100
41 0.0 27.8 41.8#
56 35.3 25.3 37.9





#53
Toluene
Concen: 1.216 ppbv
RT: 9.208 min Scan# 2060
Delta R.T. -0.019 min
Lab File: VL040489.D
Acq: 22 Jun 2023 17:23

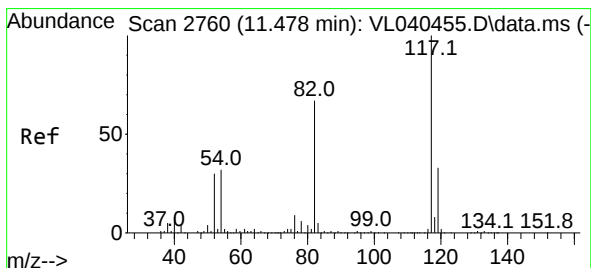
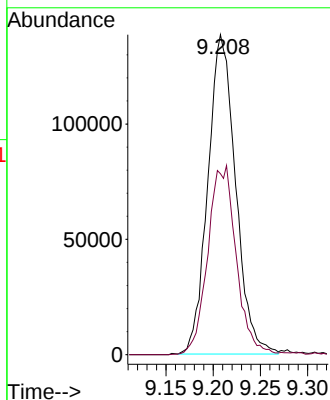
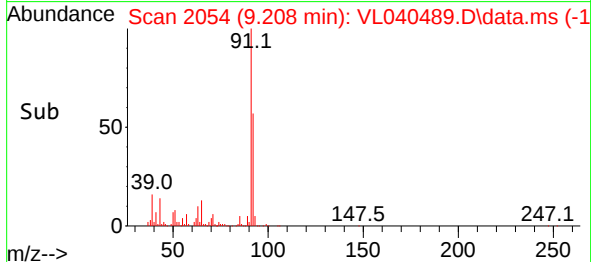
Instrument :
MSVOA_L
ClientSampleId :
AI-1DL



Tgt Ion: 91 Resp: 282210
Ion Ratio Lower Upper
91 100
92 61.3 49.1 73.7

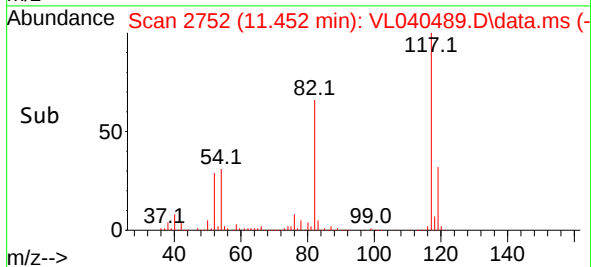
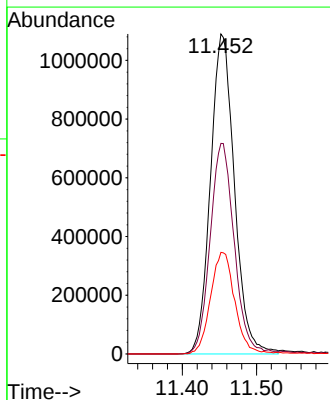
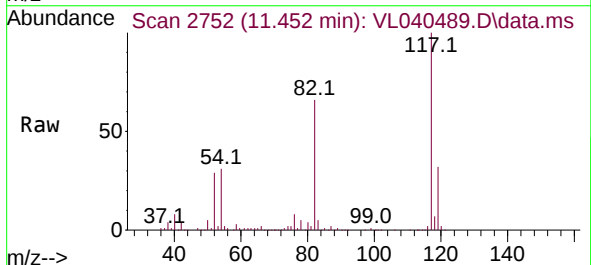
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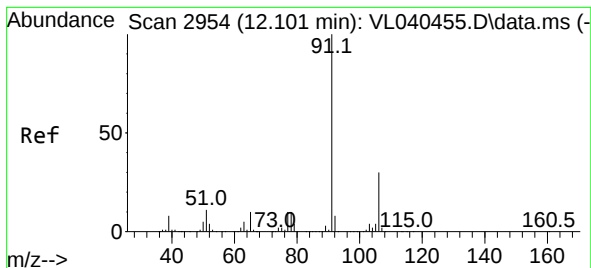
Reviewed By :Semsettin Yesilyurt 06/26/2023
Supervised By :Mahesh Dadoda 06/27/2023



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.452 min Scan# 2752
Delta R.T. -0.026 min
Lab File: VL040489.D
Acq: 22 Jun 2023 17:23

Tgt Ion:117 Resp: 2444091
Ion Ratio Lower Upper
117 100
82 67.5 53.0 79.4
119 32.6 24.4 36.6





#58

Ethyl Benzene

Concen: 0.218 ppbv m

RT: 12.076 min Scan# 2954

Delta R.T. -0.026 min

Lab File: VL040489.D

Acq: 22 Jun 2023 17:23

Instrument :

MSVOA_L

ClientSampleId :

AI-1DL

Tgt Ion: 91 Resp: 64490

Ion Ratio Lower Upper

91 100

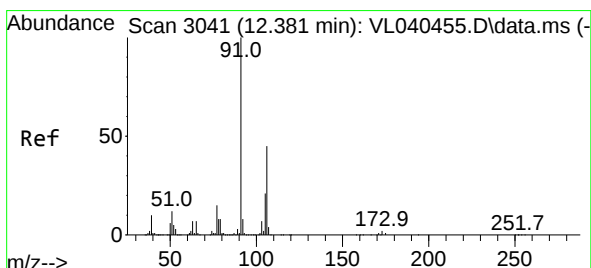
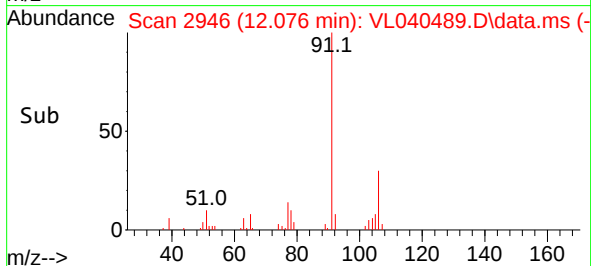
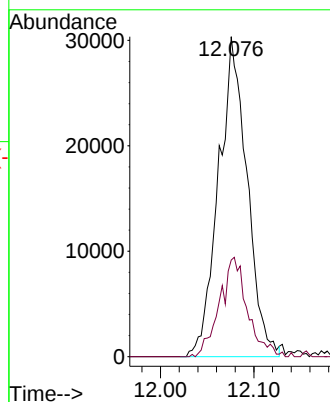
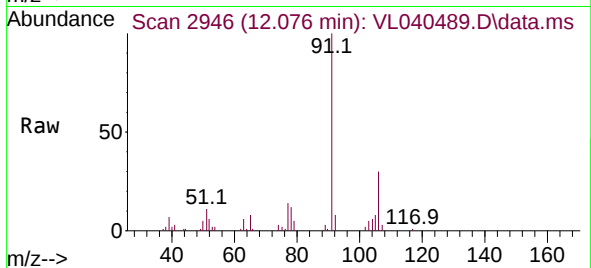
106 30.2 23.7 35.5

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Reviewed By :Semsettin Yesilyurt 06/26/2023

Supervised By :Mahesh Dadoda 06/27/2023



#59

m/p-Xylene

Concen: 0.739 ppbv m

RT: 12.336 min Scan# 3027

Delta R.T. -0.045 min

Lab File: VL040489.D

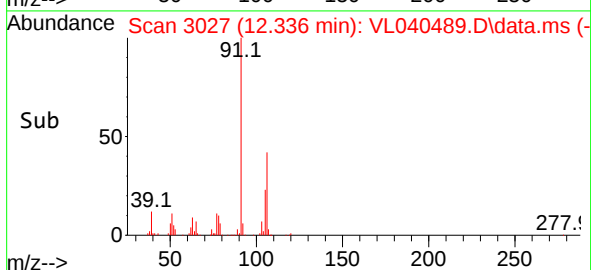
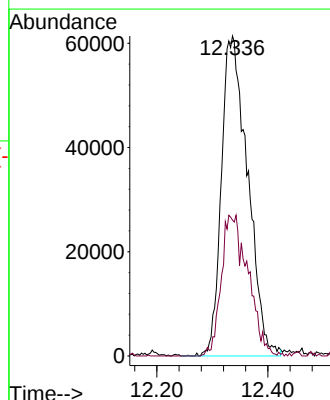
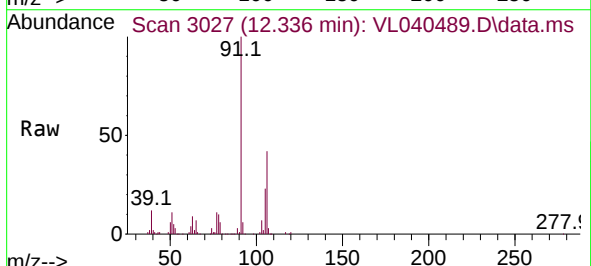
Acq: 22 Jun 2023 17:23

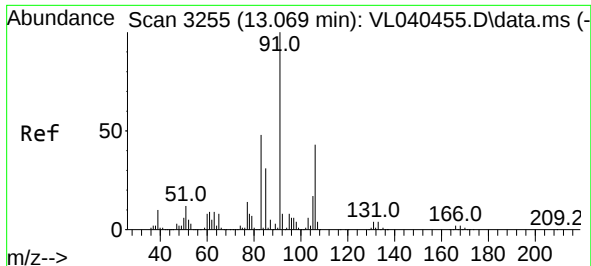
Tgt Ion: 91 Resp: 201022

Ion Ratio Lower Upper

91 100

106 0.0 34.6 52.0#





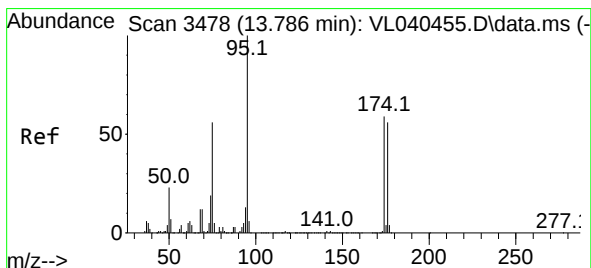
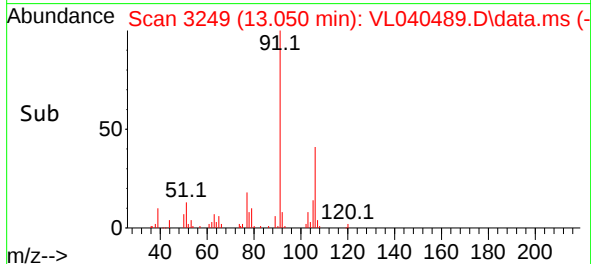
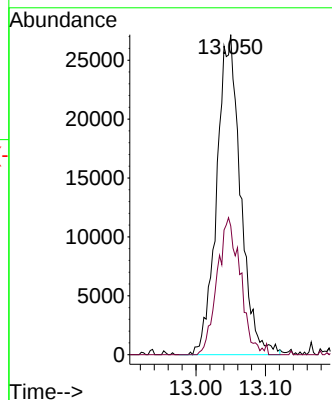
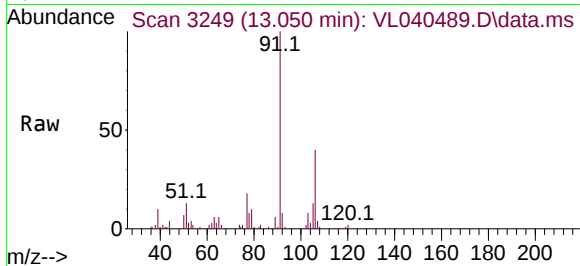
#60
o-Xylene
Concen: 0.249 ppbv m
RT: 13.050 min Scan# 31
Delta R.T. -0.019 min
Lab File: VL040489.D
Acq: 22 Jun 2023 17:23

Instrument :
MSVOA_L
ClientSampleId :
AI-1DL

Tgt Ion: 91 Resp: 64315
Ion Ratio Lower Upper
91 100
106 0.0 22.1 66.1

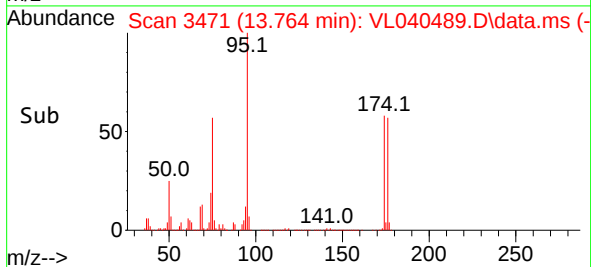
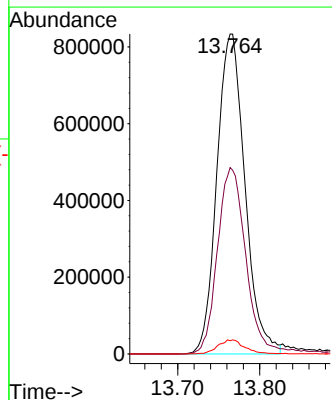
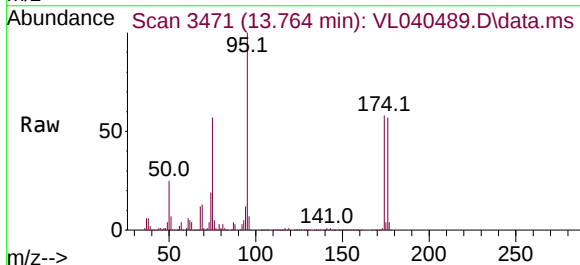
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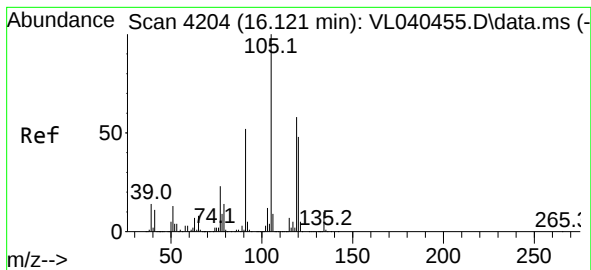
Reviewed By :Semsettin Yesilyurt 06/26/2023
Supervised By :Mahesh Dadoda 06/27/2023



#68
1-Bromo-4-Fluorobenzene
Concen: 9.827 ppbv
RT: 13.764 min Scan# 3471
Delta R.T. -0.023 min
Lab File: VL040489.D
Acq: 22 Jun 2023 17:23

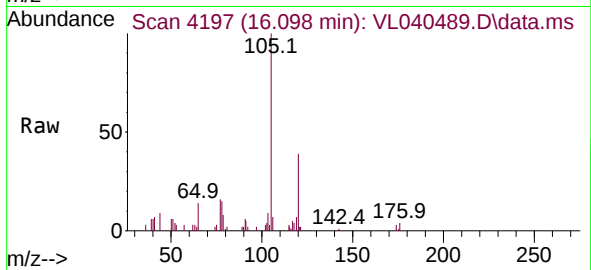
Tgt Ion: 95 Resp: 1982383
Ion Ratio Lower Upper
95 100
174 60.6 47.7 71.5
175 4.3 3.5 5.3





#74
 1,2,4-Trimethylbenzene
 Concen: 0.108 ppbv m
 RT: 16.098 min Scan# 4197
 Delta R.T. -0.023 min
 Lab File: VL040489.D
 Acq: 22 Jun 2023 17:23

Instrument :
 MSVOA_L
 ClientSampleId :
 AI-1DL



Tgt Ion:	105	Resp:	32715
Ion Ratio	Lower	Upper	
105	100		
120	38.7	38.4	57.6
91	5.7	41.3	61.9
77	16.4	18.6	28.0

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 06/26/2023
 Supervised By :Mahesh Dadoda 06/27/2023

