

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121322\
 Data File : VL040008.D
 Acq On : 13 Dec 2022 16:20
 Operator : SY/MD
 Sample : N6020-01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

Manual Integrations
 APPROVED

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

Quant Time: Dec 14 02:37:28 2022

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2022

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	1042577	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	6.639	114	2865548	10.000	ppbv	0.02
55) Chlorobenzene-d5	11.449	117	2403919	10.000	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.757	95	1779213	9.690	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.900%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.713	85	50486	0.338	ppbv	96
3) Chlorodifluoromethane	2.655	51	47161	0.328	ppbv	96
4) Chloromethane	2.796	50	30286	0.329	ppbv	95
11) Trichlorofluoromethane	3.542	101	39985	0.220	ppbv	88
13) Ethanol	3.224	45	478990	92.577	ppbv	98
15) Acetone	3.449	43	3788416	27.396	ppbv	99
20) Methylene Chloride	3.915	84	10638281	158.787	ppbv #	72
26) Hexane	5.195	57	8320268	75.016	ppbv #	36
29) Chloroform	5.256	83	43918	0.298	ppbv	93
30) Cyclohexane	6.584	84	44729	0.411	ppbv	87
36) Benzene	6.349	78	35460	0.146	ppbv #	92
44) 2,2,4-Trimethylpentane	7.311	57	141951	0.349	ppbv	93
52) Tetrachloroethene	10.600	164	8883m	0.097	ppbv	
53) Toluene	9.208	91	89833m	0.324	ppbv	
59) m/p-Xylene	12.327	91	36137m	0.132	ppbv	

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

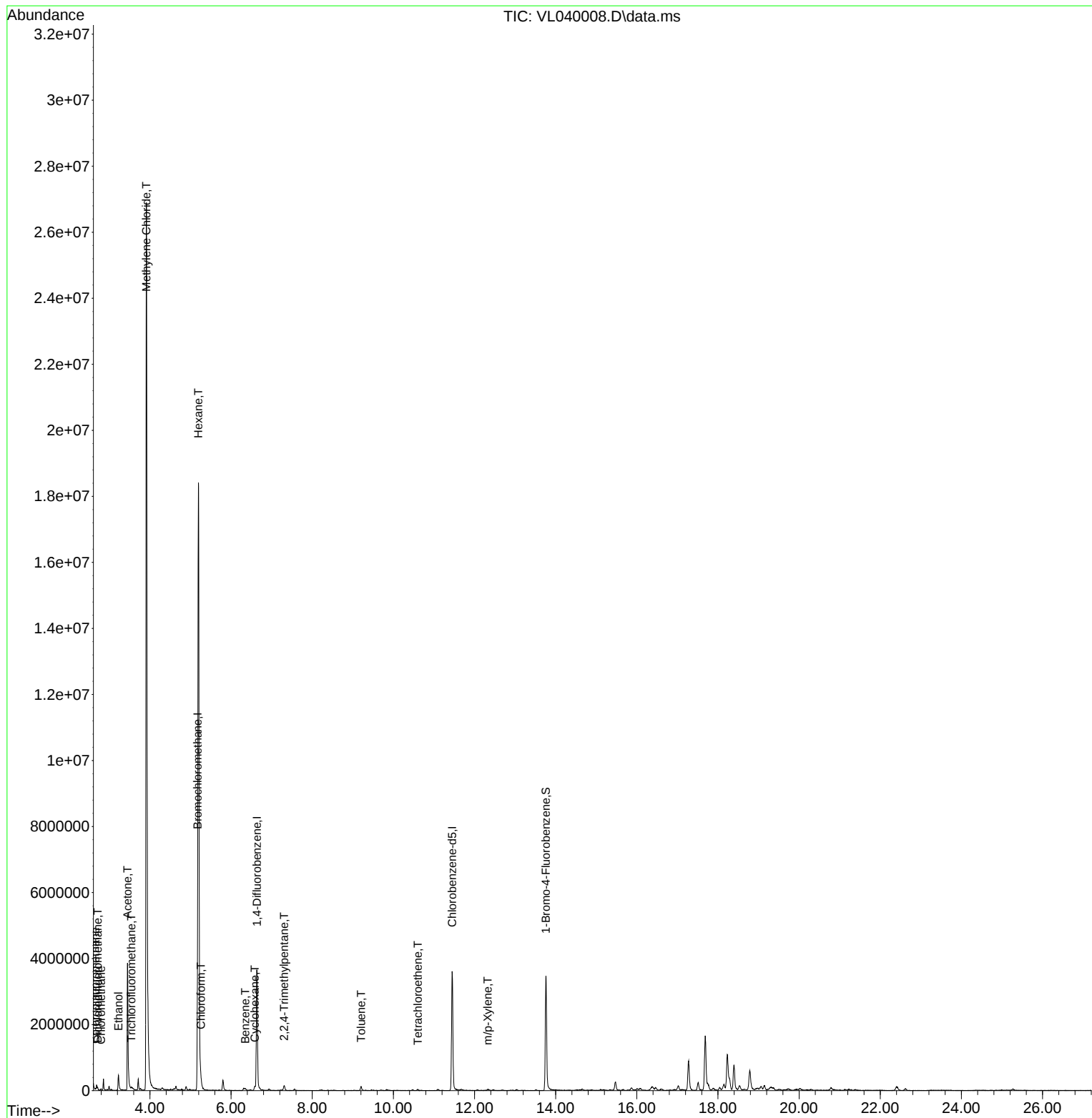
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121322\
Data File : VL040008.D
Acq On : 13 Dec 2022 16:20
Operator : SY/MD
Sample : N6020-01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

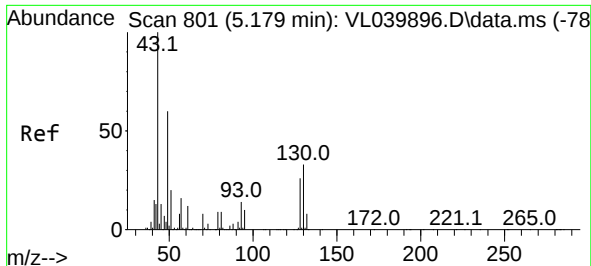
Instrument :
MSVOA_L
ClientSampleId :
SV1

Quant Time: Dec 14 02:37:28 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

Manual Integrations
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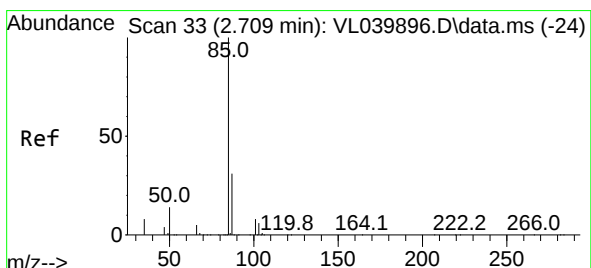
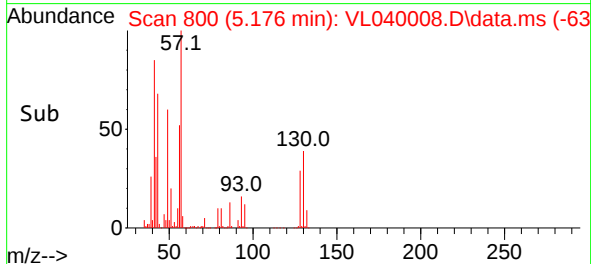
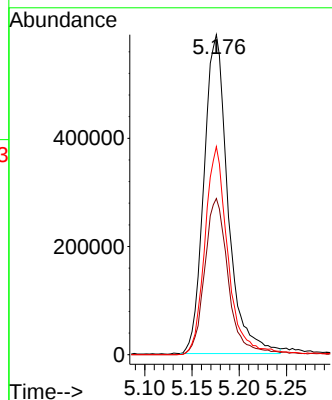
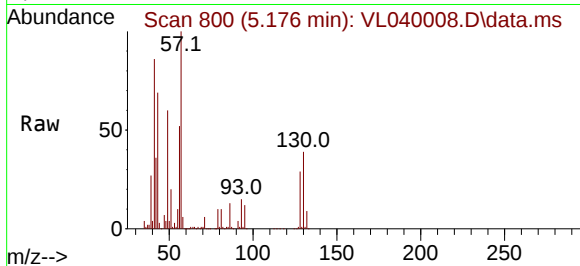
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.176 min Scan# 80
Delta R.T. 0.020 min
Lab File: VL040008.D
Acq: 13 Dec 2022 16:20

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 49 Resp: 104257
Ion Ratio Lower Upper
49 100
128 48.8 22.1 66.3
130 63.3 27.7 83.1

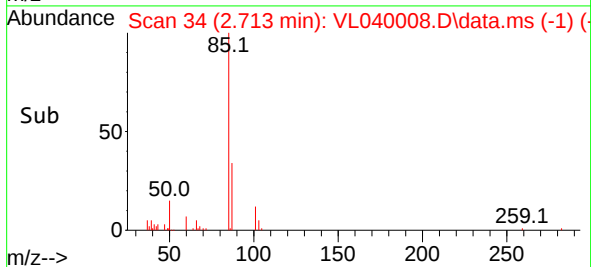
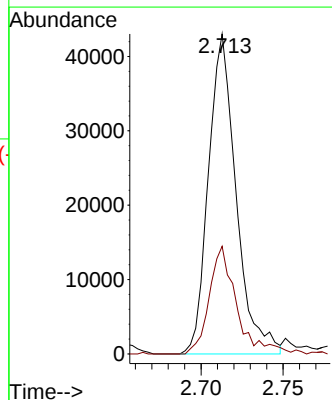
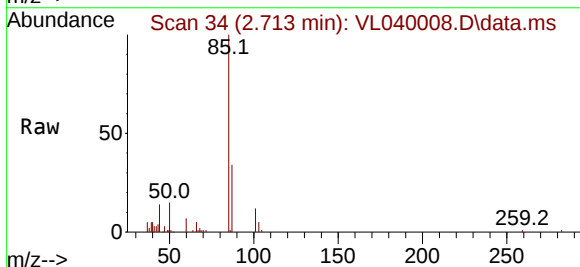
Manual Integrations
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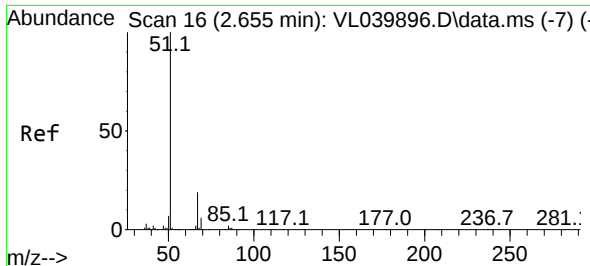
Reviewed By :Semsettin Yesilyurt 12/14/2022
Supervised By :Mahesh Dadoda 12/14/2022



#2
Dichlorodifluoromethane
Concen: 0.338 ppbv
RT: 2.713 min Scan# 34
Delta R.T. 0.016 min
Lab File: VL040008.D
Acq: 13 Dec 2022 16:20

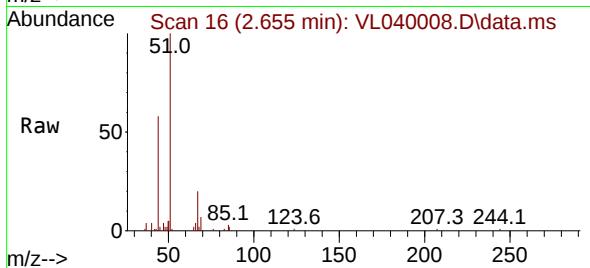
Tgt Ion: 85 Resp: 50486
Ion Ratio Lower Upper
85 100
87 33.7 25.0 37.4





#3
Chlorodifluoromethane
Concen: 0.328 ppbv
RT: 2.655 min Scan# 10
Delta R.T. 0.013 min
Lab File: VL040008.D
Acq: 13 Dec 2022 16:20

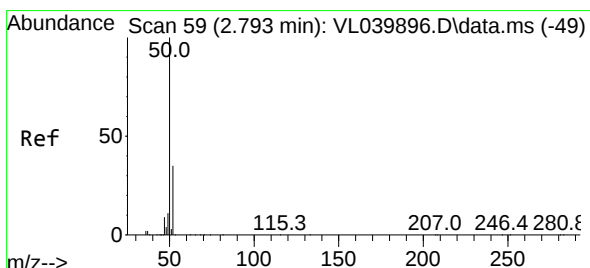
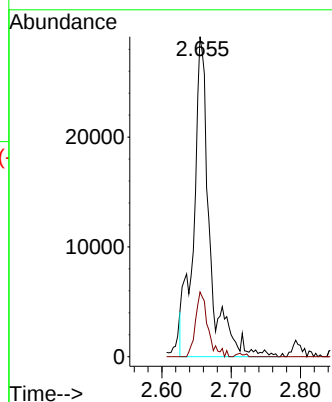
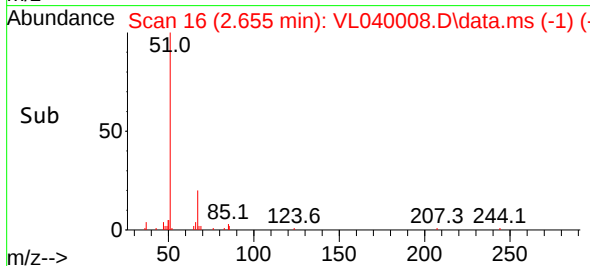
Instrument :
MSVOA_L
ClientSampleId :
SV1



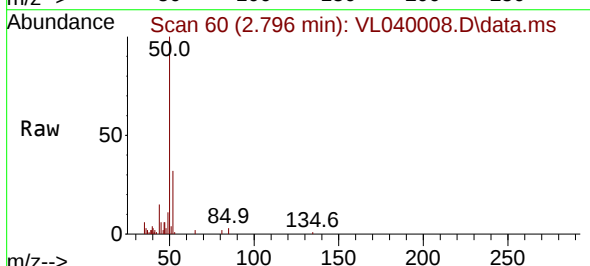
Tgt Ion: 51 Resp: 4716
Ion Ratio Lower Upper
51 100
67 16.2 14.2 21.4

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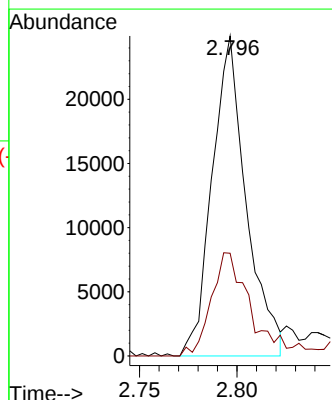
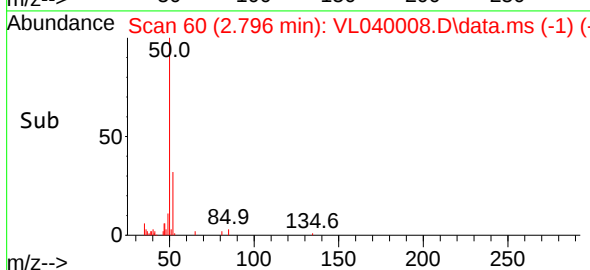
Reviewed By :Semsettin Yesilyurt 12/14/2022
Supervised By :Mahesh Dadoda 12/14/2022

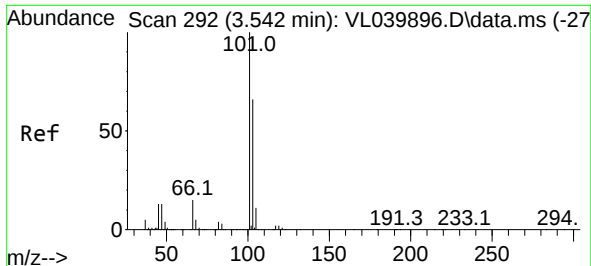


#4
Chloromethane
Concen: 0.329 ppbv
RT: 2.796 min Scan# 60
Delta R.T. 0.016 min
Lab File: VL040008.D
Acq: 13 Dec 2022 16:20



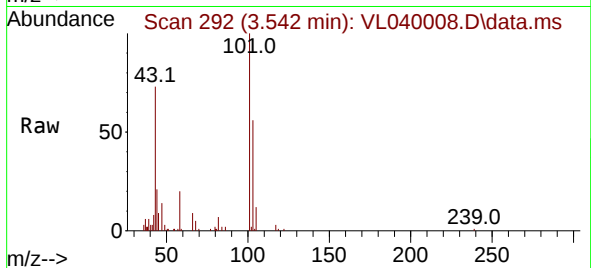
Tgt Ion: 50 Resp: 30286
Ion Ratio Lower Upper
50 100
52 32.1 27.8 41.8





#11
Trichlorofluoromethane
Concen: 0.220 ppbv
RT: 3.542 min Scan# 292
Delta R.T. 0.013 min
Lab File: VL040008.D
Acq: 13 Dec 2022 16:20

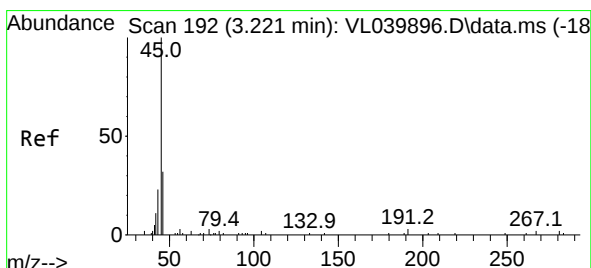
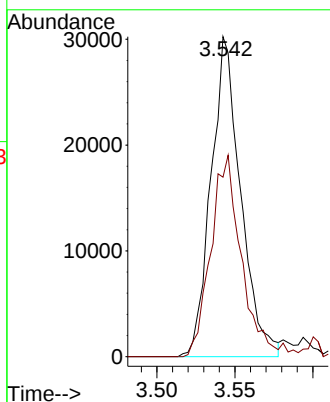
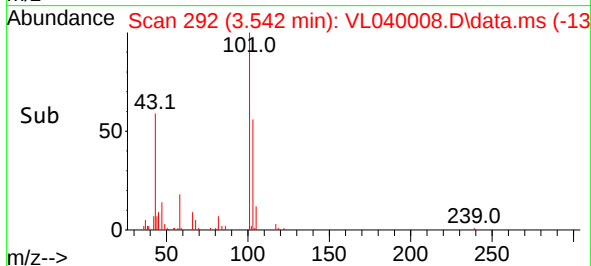
Instrument :
MSVOA_L
ClientSampleId :
SV1



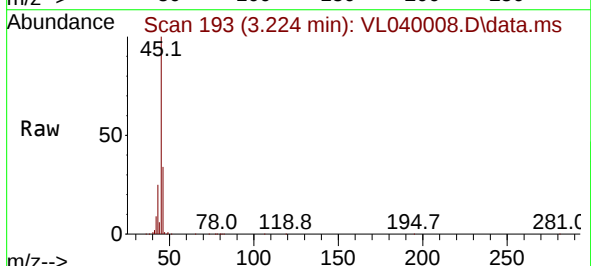
Tgt Ion:101 Resp: 39985
Ion Ratio Lower Upper
101 100
103 56.1 52.6 78.8

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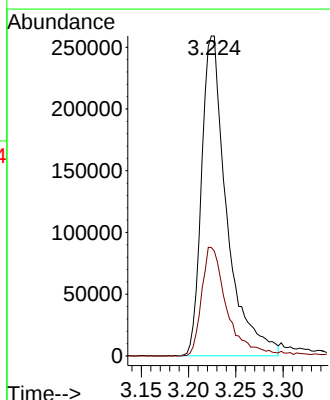
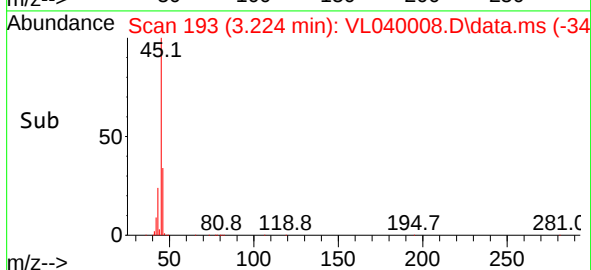
Reviewed By :Semsettin Yesilyurt 12/14/2022
Supervised By :Mahesh Dadoda 12/14/2022

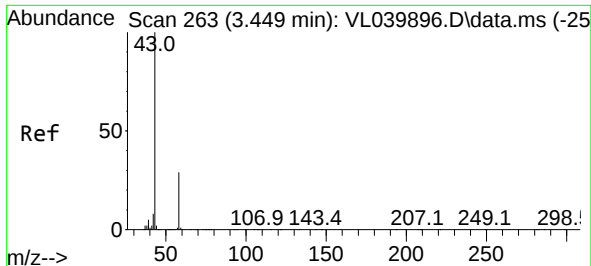


#13
Ethanol
Concen: 92.577 ppbv
RT: 3.224 min Scan# 193
Delta R.T. 0.010 min
Lab File: VL040008.D
Acq: 13 Dec 2022 16:20



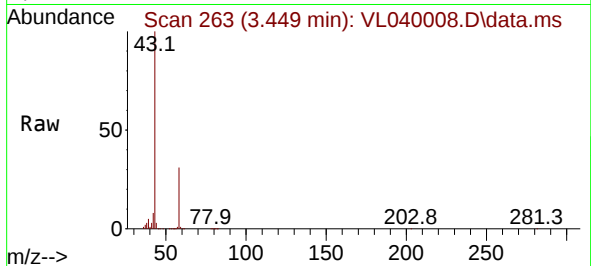
Tgt Ion: 45 Resp: 478990
Ion Ratio Lower Upper
45 100
46 35.2 14.6 58.2





#15
Acetone
Concen: 27.396 ppbv
RT: 3.449 min Scan# 20
Delta R.T. 0.016 min
Lab File: VL040008.D
Acq: 13 Dec 2022 16:20

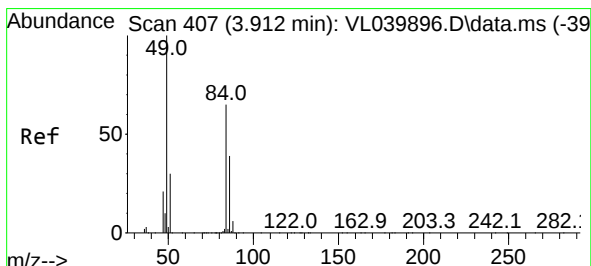
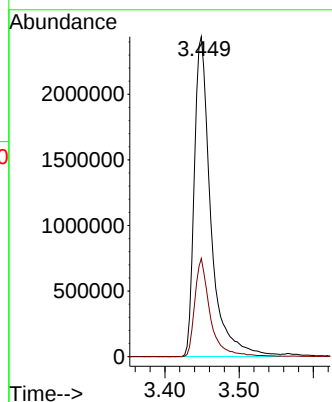
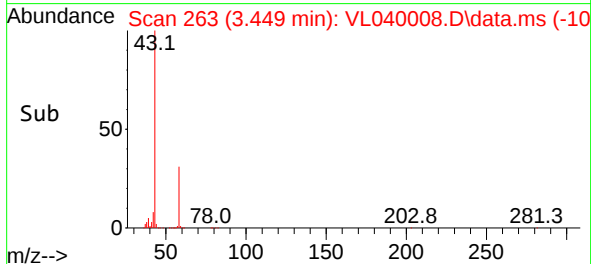
Instrument :
MSVOA_L
ClientSampleId :
SV1



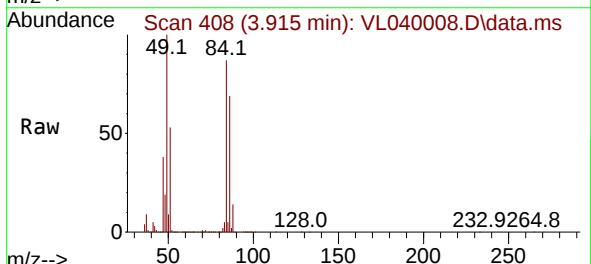
Tgt Ion: 43 Resp: 3788410
Ion Ratio Lower Upper
43 100
58 28.9 22.9 34.3

Manual Integrations
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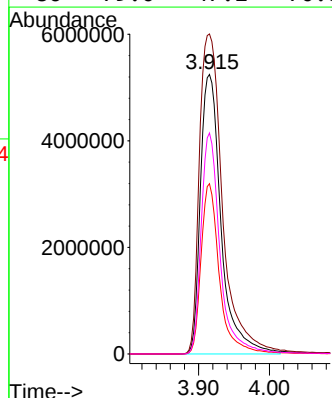
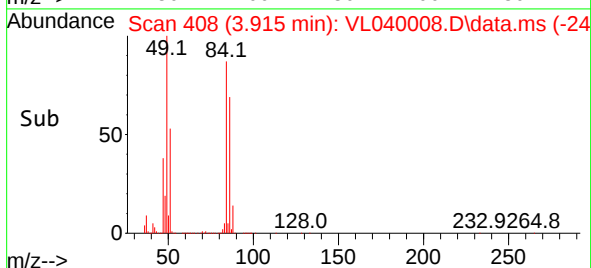
Reviewed By :Semsettin Yesilyurt 12/14/2022
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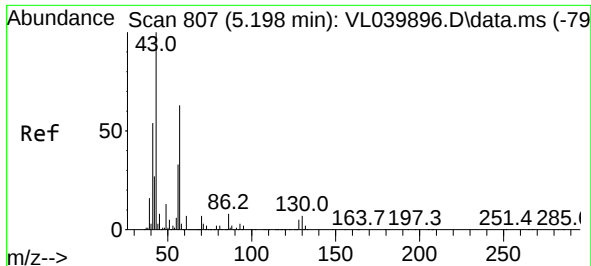


#20
Methylene Chloride
Concen: 158.787 ppbv
RT: 3.915 min Scan# 408
Delta R.T. 0.019 min
Lab File: VL040008.D
Acq: 13 Dec 2022 16:20



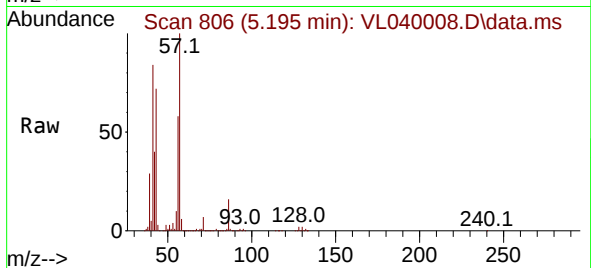
Tgt Ion: 84 Resp:10638281
Ion Ratio Lower Upper
84 100
49 114.5 122.2 183.4#
51 60.9 36.3 54.5#
86 79.0 47.2 70.8#





#26
Hexane
Concen: 75.016 ppbv
RT: 5.195 min Scan# 806
Delta R.T. 0.019 min
Lab File: VL040008.D
Acq: 13 Dec 2022 16:20

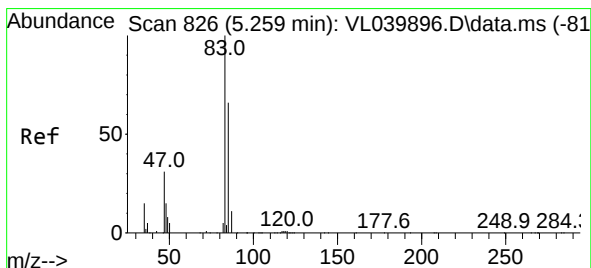
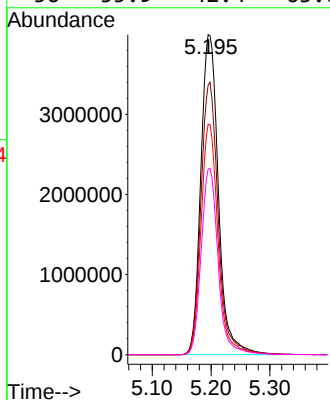
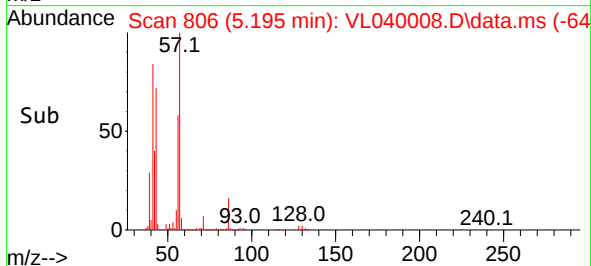
Instrument :
MSVOA_L
ClientSampleId :
SV1



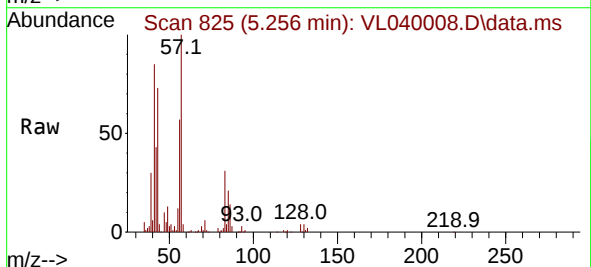
Tgt Ion: 57 Resp: 832026
Ion Ratio Lower Upper
57 100
41 84.2 72.3 108.5
43 69.8 188.7 283.1
56 55.9 42.4 63.6

Manual Integrations
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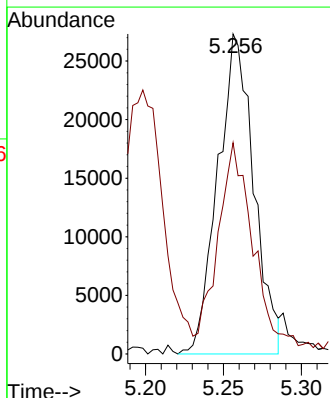
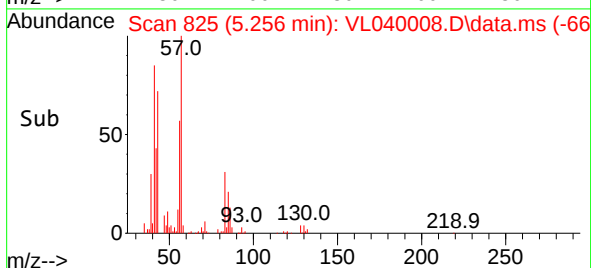
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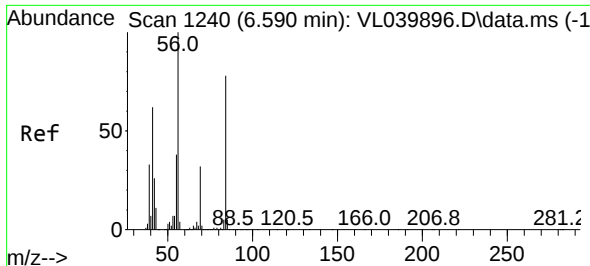


#29
Chloroform
Concen: 0.298 ppbv
RT: 5.256 min Scan# 825
Delta R.T. 0.019 min
Lab File: VL040008.D
Acq: 13 Dec 2022 16:20



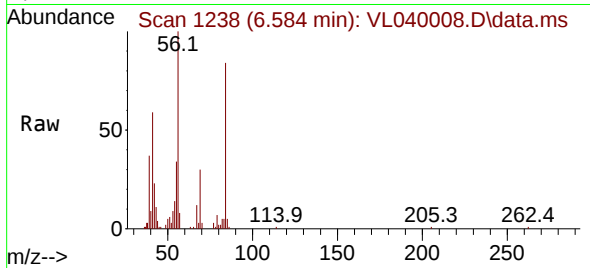
Tgt Ion: 83 Resp: 43918
Ion Ratio Lower Upper
83 100
85 59.7 52.4 78.6





#30
Cyclohexane
Concen: 0.411 ppbv
RT: 6.584 min Scan# 1238
Delta R.T. 0.019 min
Lab File: VL040008.D
Acq: 13 Dec 2022 16:20

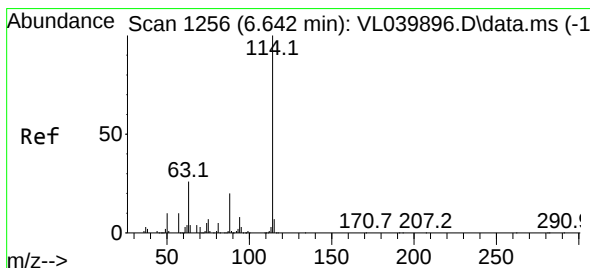
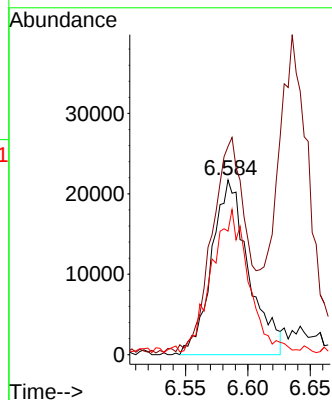
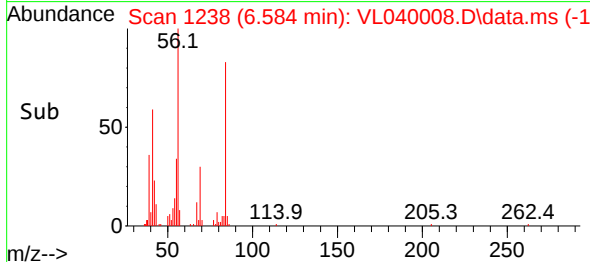
Instrument :
MSVOA_L
ClientSampleId :
SV1



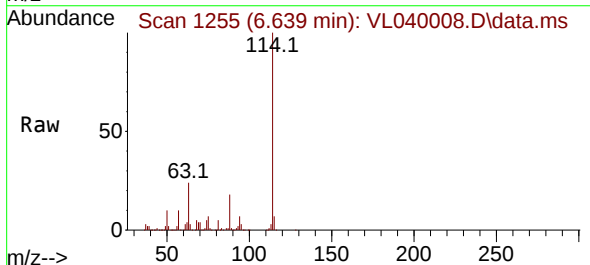
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Ion Ratio Lower Upper
84 100
56 116.9 112.5 168.7
41 86.0 67.8 101.8

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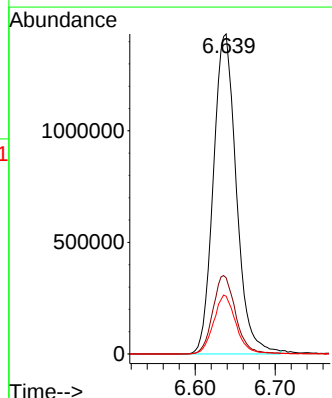
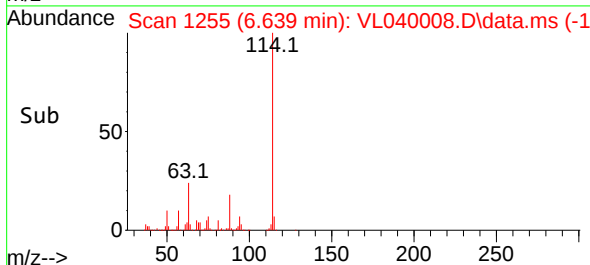
Reviewed By :Semsettin Yesilyurt 12/14/2022
Supervised By :Mahesh Dadoda 12/14/2022

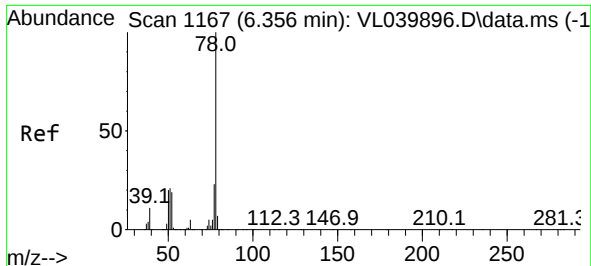


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.639 min Scan# 1255
Delta R.T. 0.019 min
Lab File: VL040008.D
Acq: 13 Dec 2022 16:20



Tgt Ion:114 Resp: 2865548
Ion Ratio Lower Upper
114 100
63 24.5 21.4 32.0
88 17.9 15.3 22.9





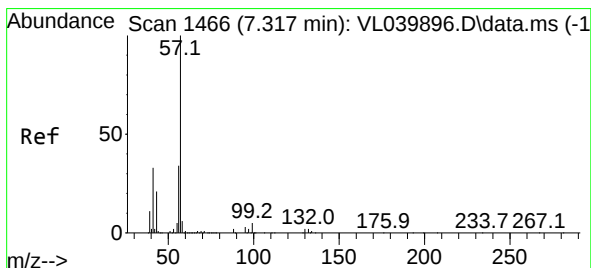
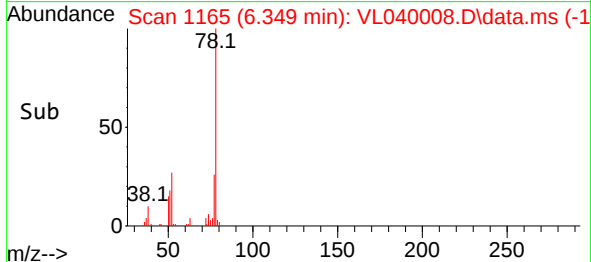
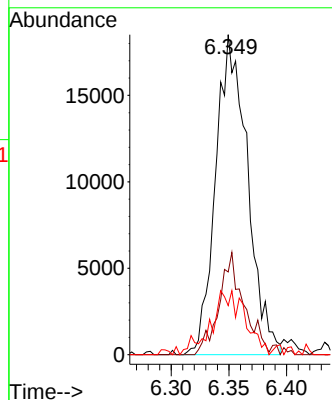
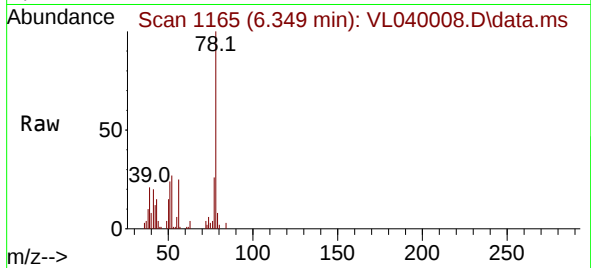
#36
Benzene
Concen: 0.146 ppbv
RT: 6.349 min Scan# 1165
Delta R.T. 0.016 min
Lab File: VL040008.D
Acq: 13 Dec 2022 16:20

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 78 Resp: 35460
Ion Ratio Lower Upper
78 100
77 25.8 18.2 27.2
50 15.4 15.8 23.8

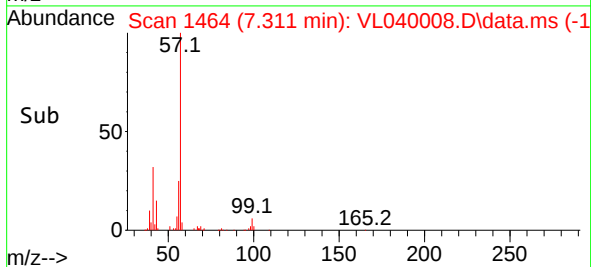
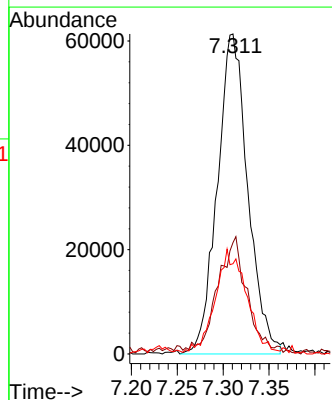
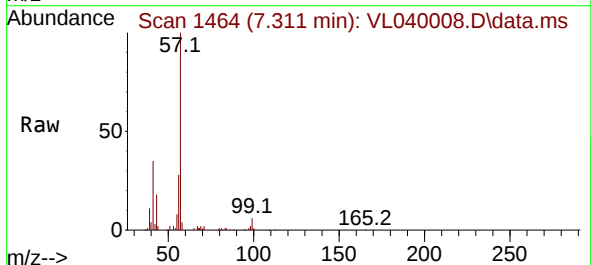
Manual Integrations
APPROVED

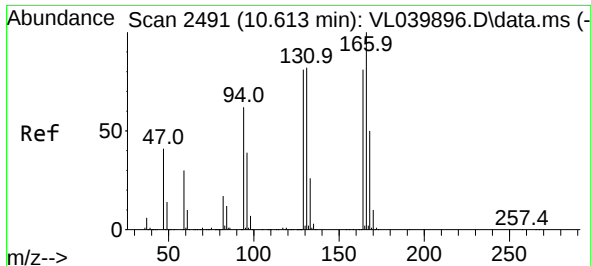
Reviewed By :Semsettin Yesilyurt 12/14/2022
Supervised By :Mahesh Dadoda 12/14/2022



#44
2,2,4-Trimethylpentane
Concen: 0.349 ppbv
RT: 7.311 min Scan# 1464
Delta R.T. 0.019 min
Lab File: VL040008.D
Acq: 13 Dec 2022 16:20

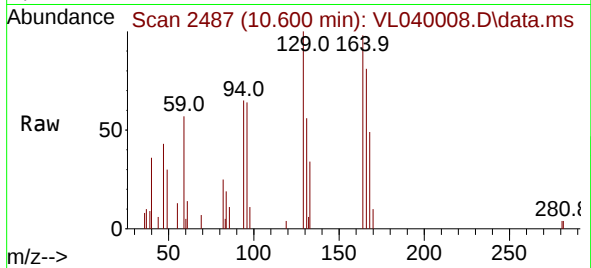
Tgt Ion: 57 Resp: 141951
Ion Ratio Lower Upper
57 100
41 37.9 26.2 39.2
56 34.6 25.5 38.3





#52
Tetrachloroethene
Concen: 0.097 ppbv m
RT: 10.600 min Scan# 2491
Delta R.T. 0.019 min
Lab File: VL040008.D
Acq: 13 Dec 2022 16:20

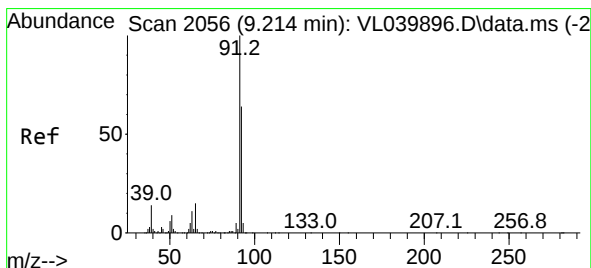
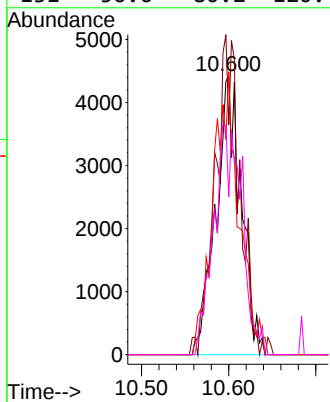
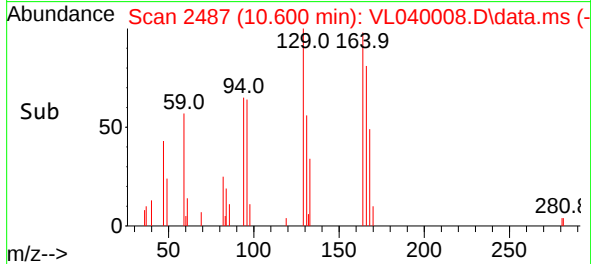
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion:164 Resp: 888
Ion Ratio Lower Upper
164 100
166 82.6 98.3 147.5
129 101.6 79.7 119.5
131 56.6 80.2 120.4#

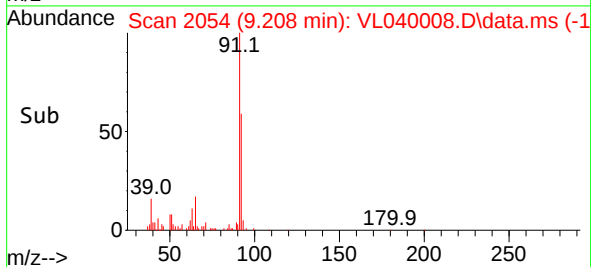
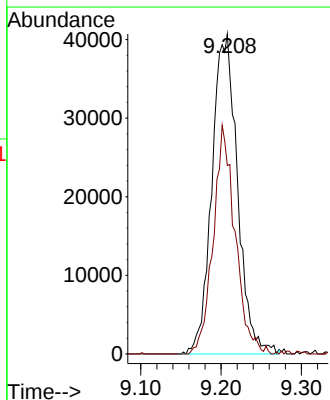
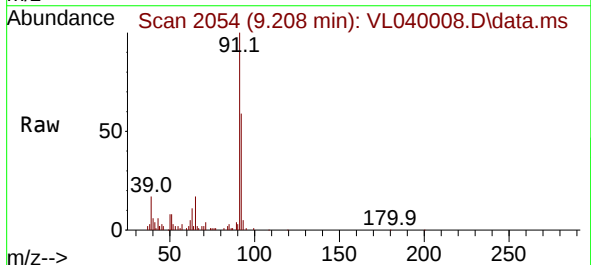
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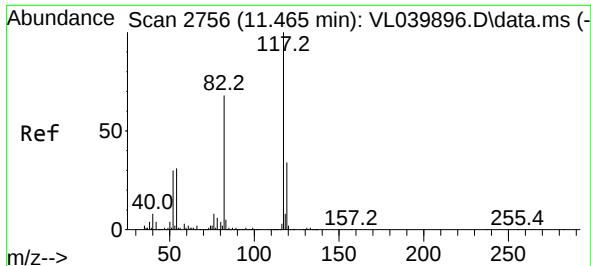
Reviewed By :Semsettin Yesilyurt 12/14/2022
Supervised By :Mahesh Dadoda 12/14/2022



#53
Toluene
Concen: 0.324 ppbv m
RT: 9.208 min Scan# 2054
Delta R.T. 0.023 min
Lab File: VL040008.D
Acq: 13 Dec 2022 16:20

Tgt Ion: 91 Resp: 89833
Ion Ratio Lower Upper
91 100
92 0.0 49.8 74.6#





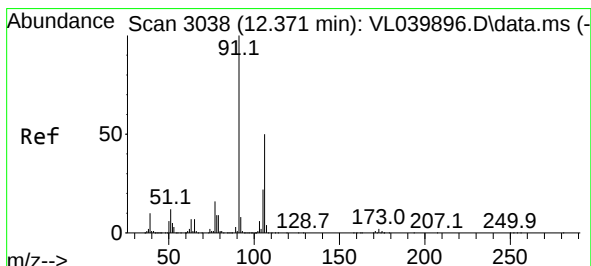
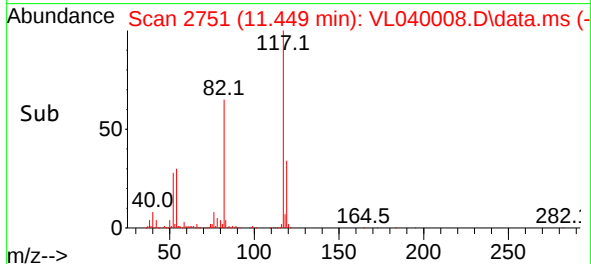
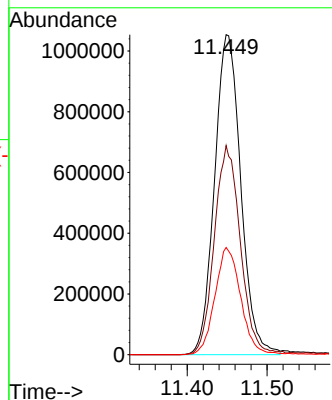
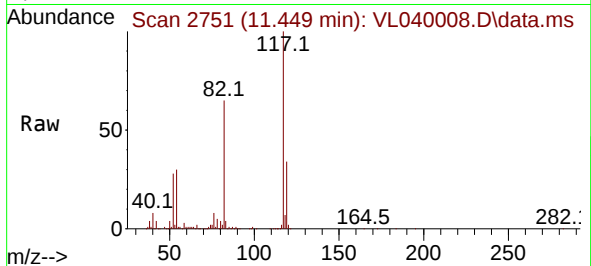
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.449 min Scan# 21
Delta R.T. 0.016 min
Lab File: VL040008.D
Acq: 13 Dec 2022 16:20

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion:117 Resp: 2403919
Ion Ratio Lower Upper
117 100
82 65.8 52.3 78.5
119 33.3 25.7 38.5

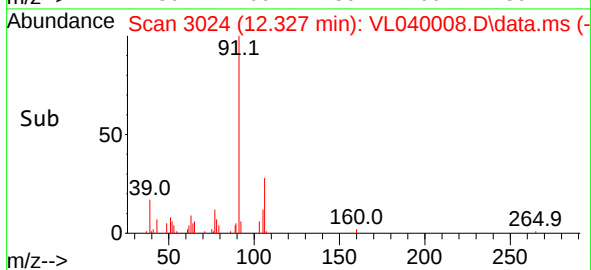
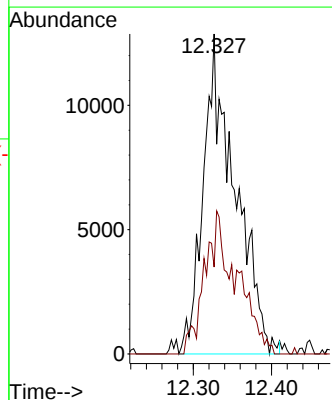
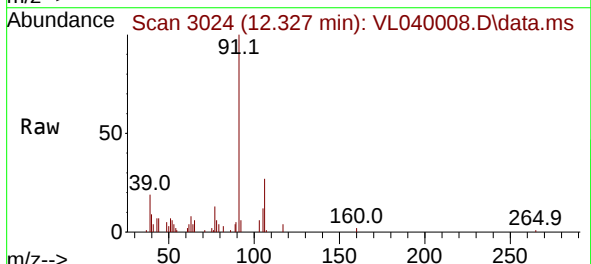
Manual Integrations
APPROVED

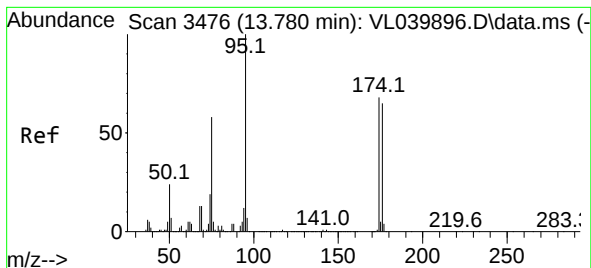
Reviewed By :Semsettin Yesilyurt 12/14/2022
Supervised By :Mahesh Dadoda 12/14/2022



#59
m/p-Xylene
Concen: 0.132 ppbv m
RT: 12.327 min Scan# 3024
Delta R.T. -0.013 min
Lab File: VL040008.D
Acq: 13 Dec 2022 16:20

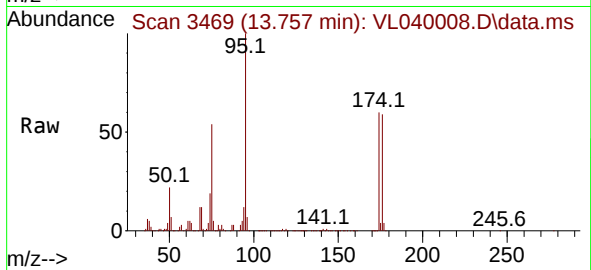
Tgt Ion: 91 Resp: 36137
Ion Ratio Lower Upper
91 100
106 0.0 37.0 55.6#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.690 ppbv
 RT: 13.757 min Scan# 3476
 Delta R.T. 0.016 min
 Lab File: VL040008.D
 Acq: 13 Dec 2022 16:20

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1



Tgt Ion: 95 Resp: 177921
 Ion Ratio Lower Upper
 95 100
 174 62.5 53.7 80.5
 175 4.5 4.0 6.0

Manual Integrations
 APPROVED

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

