

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL070522\
 Data File : VL039427.D
 Acq On : 5 Jul 2022 20:13
 Operator : SY/AP
 Sample : N3560-02DUP
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1DUP

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 07/07/2022
 Supervised By :Mahesh Dadoda 07/07/2022

Quant Time: Jul 06 02:38:27 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL062922AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 6

QLast Update : Wed Jul 06 02:15:38 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.674	49	1226303	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	7.182	114	3286336	10.000	ppbv	0.03
55) Chlorobenzene-d5	12.092	117	2827161	10.000	ppbv	0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.420	95	2120744	10.112	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.100%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	3.057	85	47053	0.266	ppbv	94
3) Chlorodifluoromethane	2.996	51	57300m	0.368	ppbv	
4) Chloromethane	3.147	50	37707	0.443	ppbv	97
9) Propene	3.031	41	44087m	0.627	ppbv	
11) Trichlorofluoromethane	3.957	101	45449m	0.231	ppbv	
13) Ethanol	3.607	45	70911m	17.396	ppbv	
15) Acetone	3.854	43	680813m	4.693	ppbv	
19) Isopropyl Alcohol	3.980	45	45321m	0.586	ppbv	
20) Methylene Chloride	4.353	84	1615378	27.935	ppbv	98
26) Hexane	5.693	57	1182253	9.859	ppbv #	38
30) Cyclohexane	7.169	84	12211m	0.112	ppbv	
34) 2-Butanone	5.253	43	54492m	0.329	ppbv	
35) Carbon Tetrachloride	7.028	117	12776m	0.063	ppbv	
36) Benzene	6.896	78	42867m	0.169	ppbv	
44) 2,2,4-Trimethylpentane	7.877	57	51996m	0.121	ppbv	
52) Tetrachloroethene	11.230	164	12800m	0.125	ppbv	
53) Toluene	9.812	91	105690	0.360	ppbv	99
59) m/p-Xylene	12.976	91	50096m	0.156	ppbv	

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

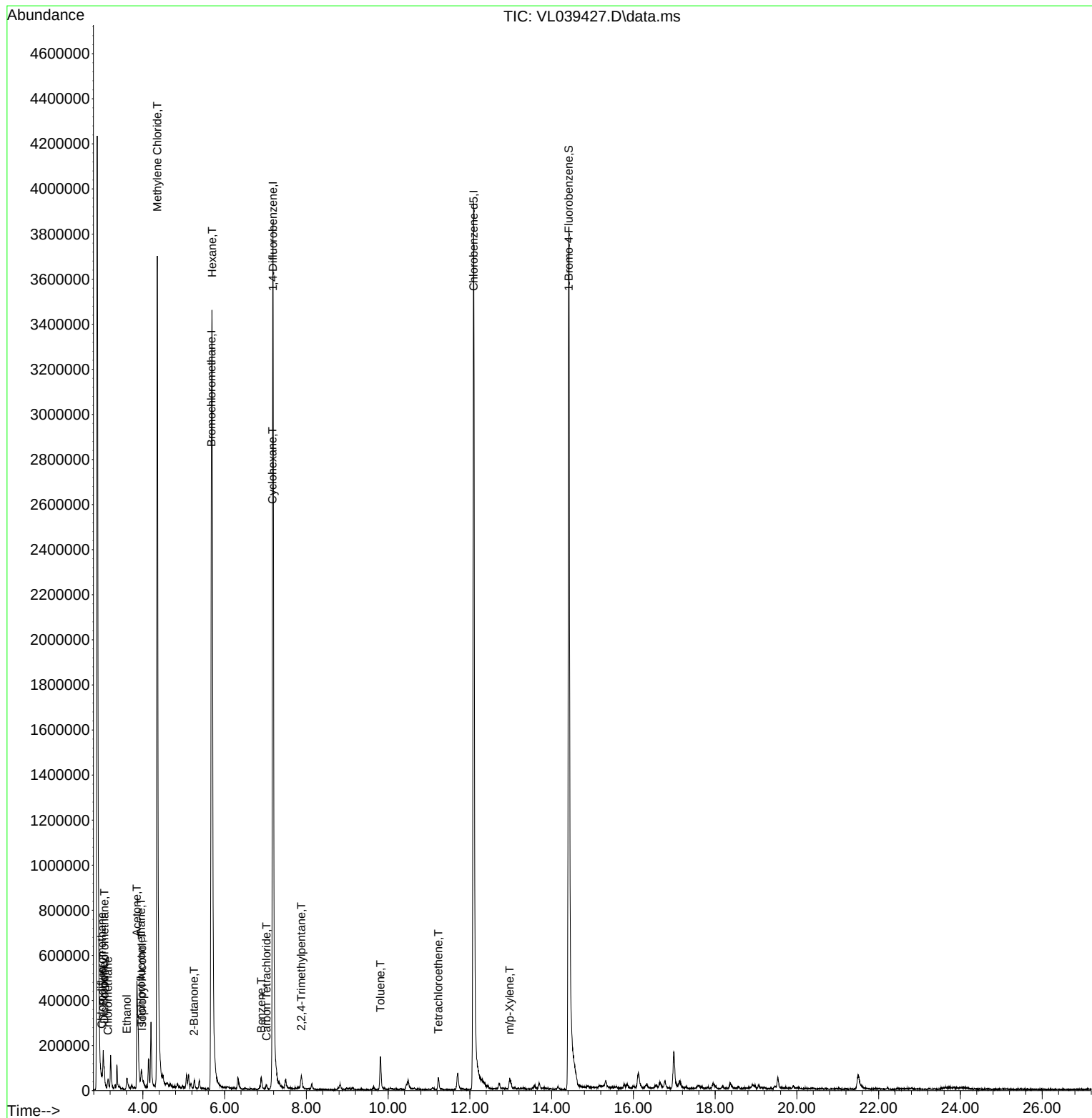
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL070522\
Data File : VL039427.D
Acq On : 5 Jul 2022 20:13
Operator : SY/AP
Sample : N3560-02DUP
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

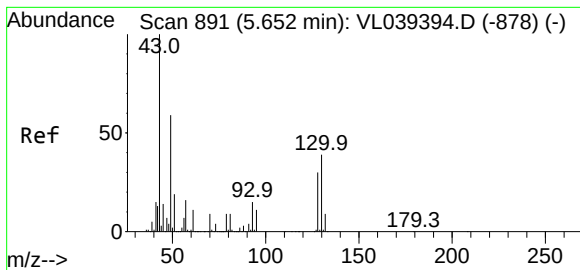
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

Quant Time: Jul 06 02:38:27 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL062922AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul
QLast Update : Wed Jul 06 02:15:38 2022
Response via : Initial Calibration

Manual Integrations
APPROVED

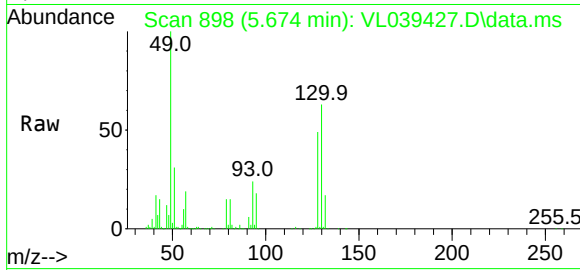
Reviewed By :Semsettin Yesilyurt 07/07/2022
Supervised By :Mahesh Dadoda 07/07/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.674 min Scan# 84
Delta R.T. 0.022 min
Lab File: VL039427.D
Acq: 5 Jul 2022 20:13

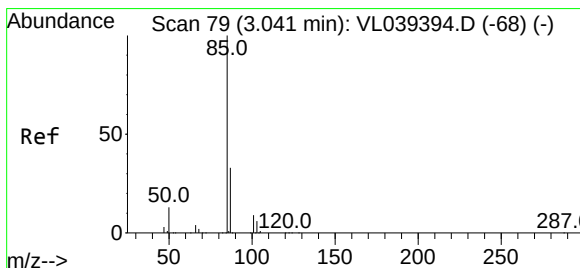
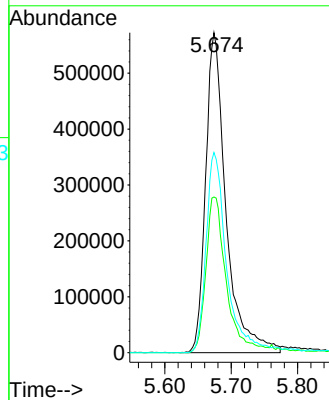
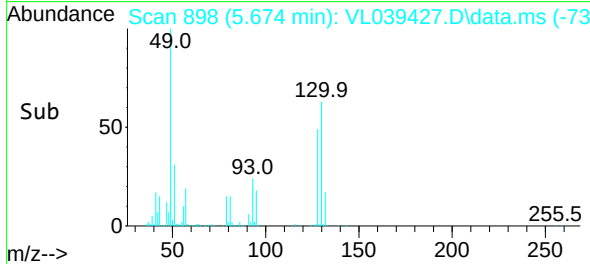
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP



Tgt Ion: 49 Resp: 122630
Ion Ratio Lower Upper
49 100
128 48.5 26.7 80.0
130 65.1 34.3 102.8

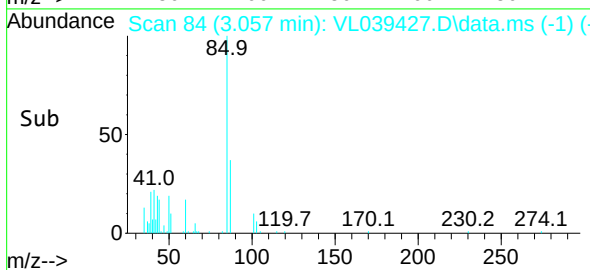
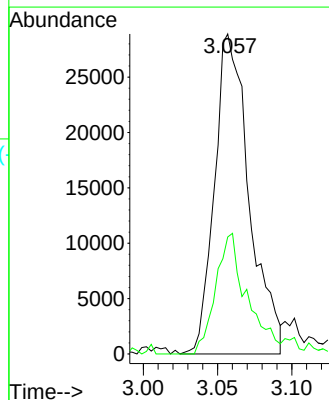
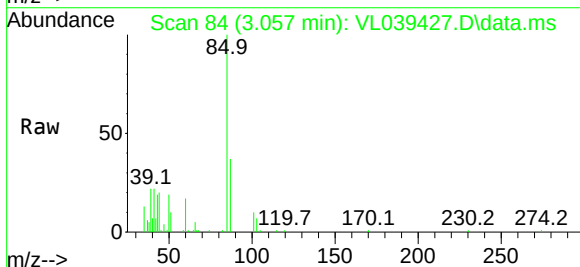
Manual Integrations
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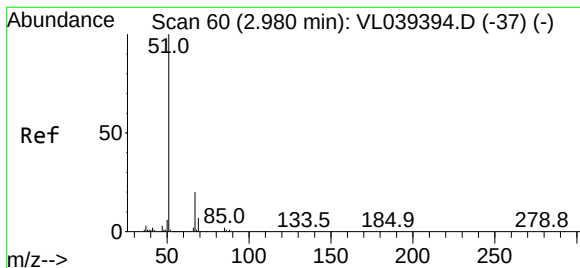
Reviewed By :Semsettin Yesilyurt 07/07/2022
Supervised By :Mahesh Dadoda 07/07/2022



#2
Dichlorodifluoromethane
Concen: 0.266 ppbv
RT: 3.057 min Scan# 84
Delta R.T. 0.016 min
Lab File: VL039427.D
Acq: 5 Jul 2022 20:13

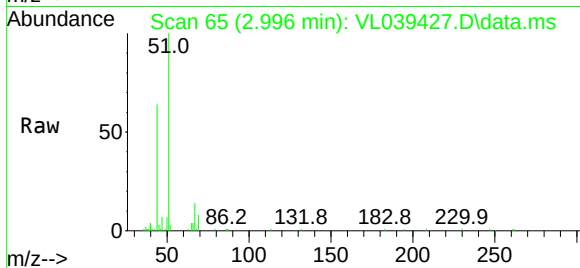
Tgt Ion: 85 Resp: 47053
Ion Ratio Lower Upper
85 100
87 36.5 26.7 40.1





#3
Chlorodifluoromethane
Concen: 0.368 ppbv m
RT: 2.996 min Scan# 61
Delta R.T. 0.016 min
Lab File: VL039427.D
Acq: 5 Jul 2022 20:13

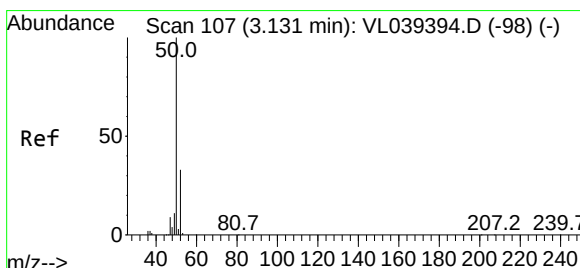
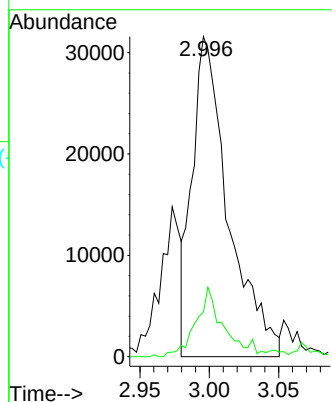
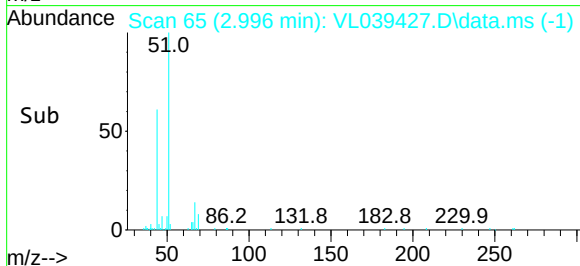
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP



Tgt Ion: 51 Resp: 57300
Ion Ratio Lower Upper
51 100
67 17.2 15.7 23.5

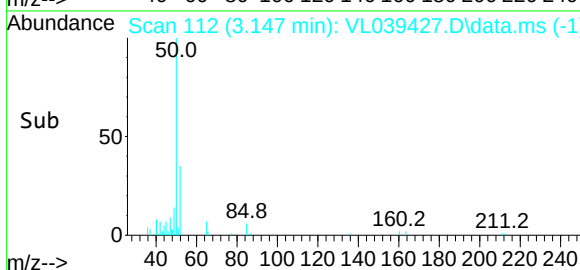
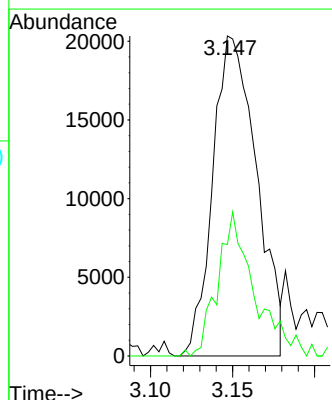
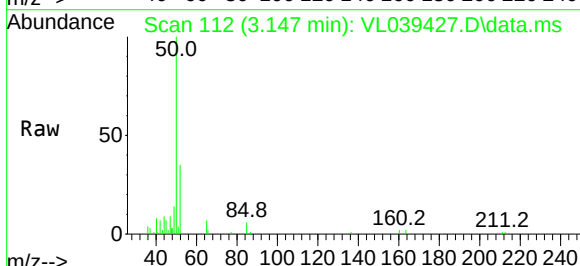
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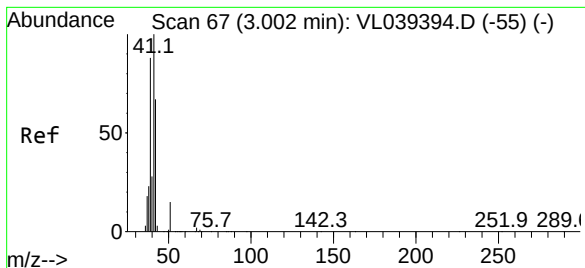
Reviewed By :Semsettin Yesilyurt 07/07/2022
Supervised By :Mahesh Dadoda 07/07/2022



#4
Chloromethane
Concen: 0.443 ppbv
RT: 3.147 min Scan# 112
Delta R.T. 0.016 min
Lab File: VL039427.D
Acq: 5 Jul 2022 20:13

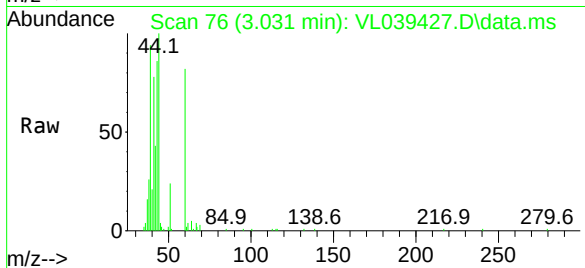
Tgt Ion: 50 Resp: 37707
Ion Ratio Lower Upper
50 100
52 34.9 26.5 39.7





#9
 Propene
 Concen: 0.627 ppbv m
 RT: 3.031 min Scan# 70
 Delta R.T. 0.029 min
 Lab File: VL039427.D
 Acq: 5 Jul 2022 20:13

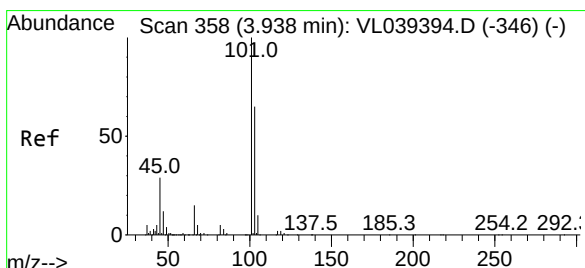
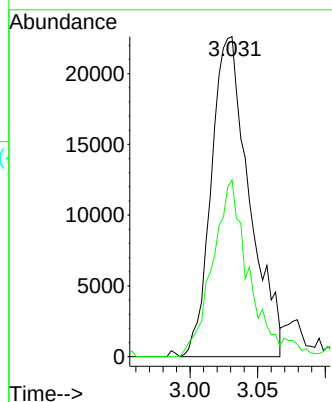
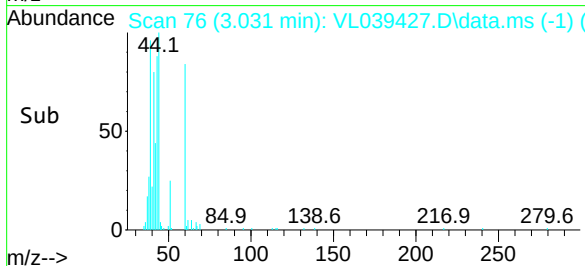
Instrument :
 MSVOA_L
 ClientSampleId :
 IA1DUP



Tgt Ion: 41 Resp: 4408
 Ion Ratio Lower Upper
 41 100
 42 54.7 55.2 82.8

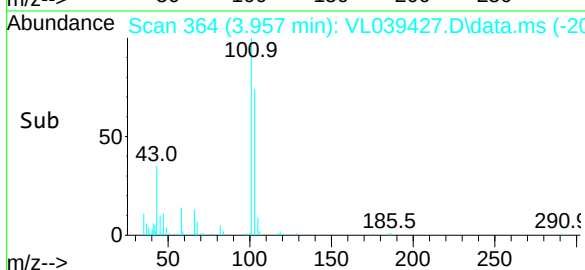
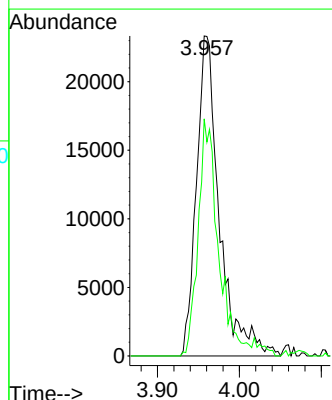
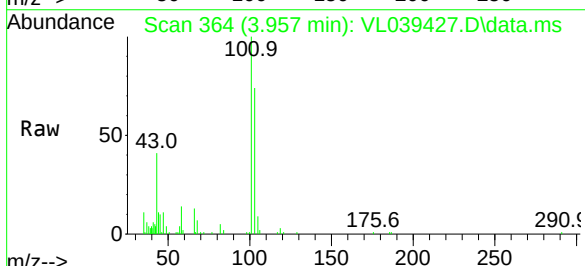
Manual Integrations
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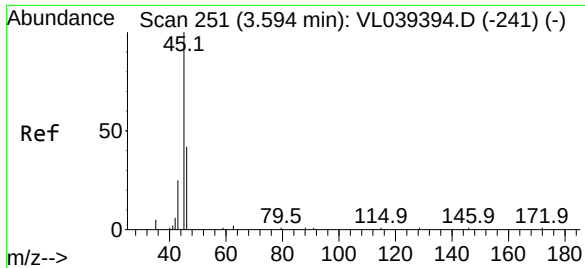
Reviewed By :Semsettin Yesilyurt 07/07/2022
 Supervised By :Mahesh Dadoda 07/07/2022



#11
 Trichlorofluoromethane
 Concen: 0.231 ppbv m
 RT: 3.957 min Scan# 364
 Delta R.T. 0.019 min
 Lab File: VL039427.D
 Acq: 5 Jul 2022 20:13

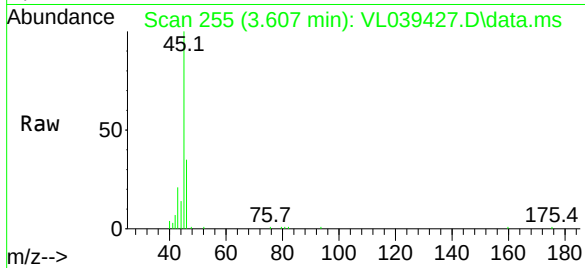
Tgt Ion:101 Resp: 45449
 Ion Ratio Lower Upper
 101 100
 103 74.1 51.8 77.8





#13
Ethanol
Concen: 17.396 ppbv m
RT: 3.607 min Scan# 21
Delta R.T. 0.013 min
Lab File: VL039427.D
Acq: 5 Jul 2022 20:13

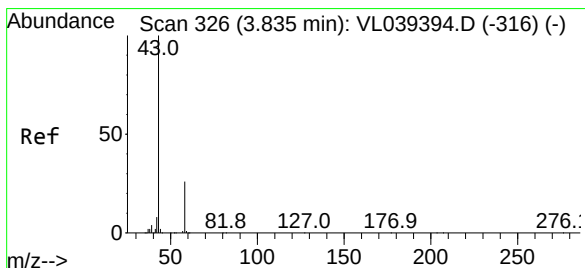
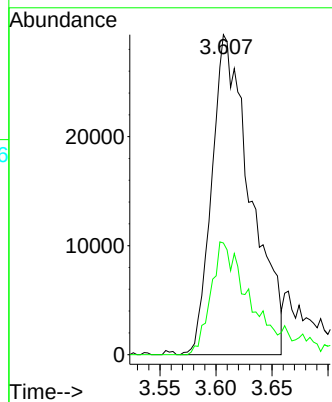
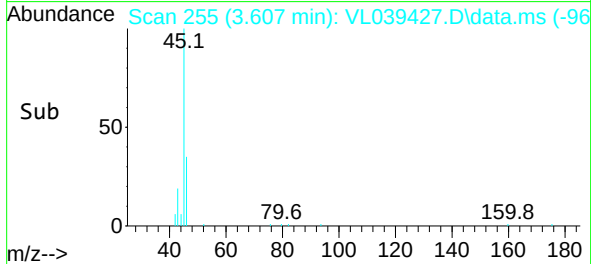
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP



Tgt Ion: 45 Resp: 7091
Ion Ratio Lower Upper
45 100
46 41.4 22.8 91.2

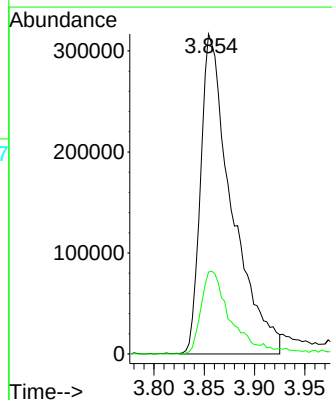
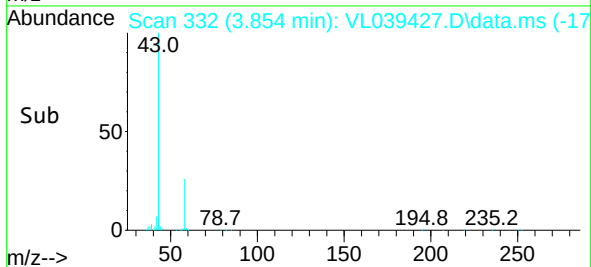
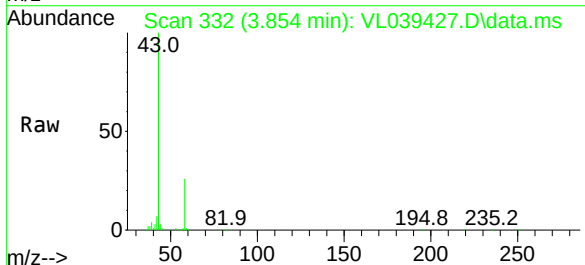
Manual Integrations
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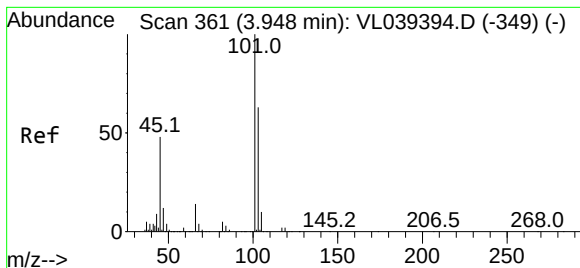
Reviewed By :Semsettin Yesilyurt 07/07/2022
Supervised By :Mahesh Dadoda 07/07/2022



#15
Acetone
Concen: 4.693 ppbv m
RT: 3.854 min Scan# 332
Delta R.T. 0.019 min
Lab File: VL039427.D
Acq: 5 Jul 2022 20:13

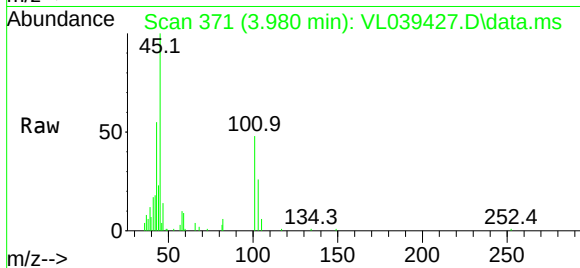
Tgt Ion: 43 Resp: 680813
Ion Ratio Lower Upper
43 100
58 25.2 21.0 31.6





#19
Isopropyl Alcohol
Concen: 0.586 ppbv m
RT: 3.980 min Scan# 31
Delta R.T. 0.032 min
Lab File: VL039427.D
Acq: 5 Jul 2022 20:13

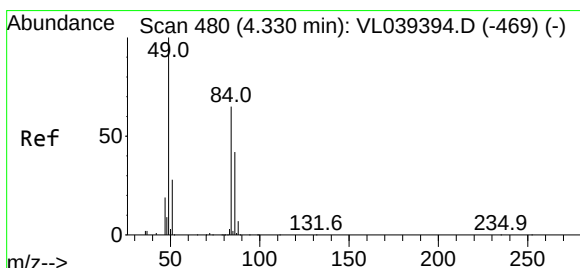
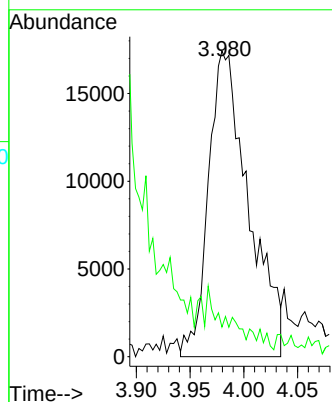
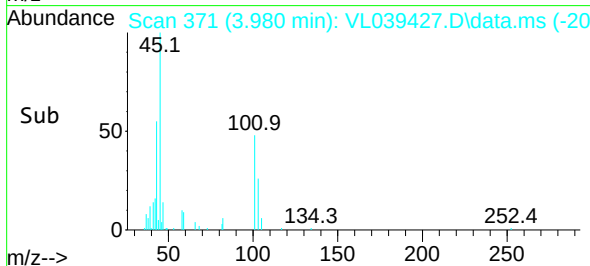
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP



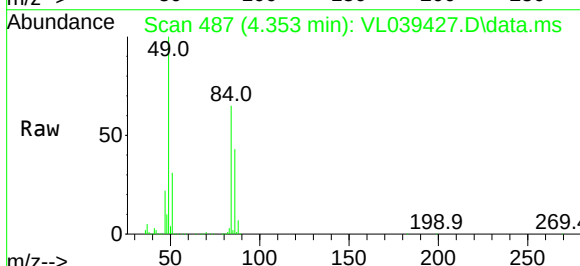
Tgt Ion: 45 Resp: 4532
Ion Ratio Lower Upper
45 100
58 0.0 3.2 4.8

Manual Integrations
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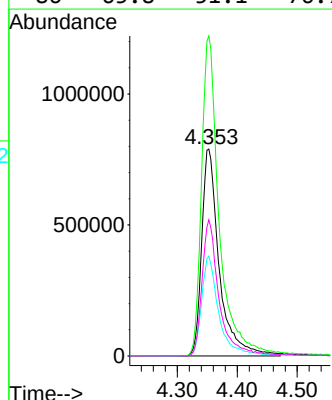
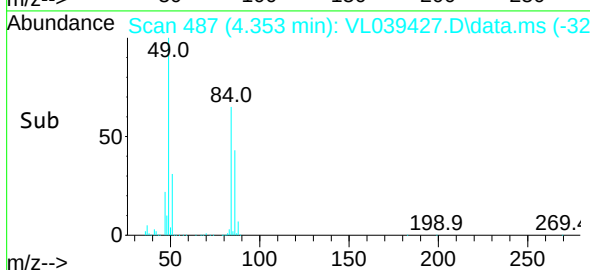
Reviewed By :Semsettin Yesilyurt 07/07/2022
Supervised By :Mahesh Dadoda 07/07/2022

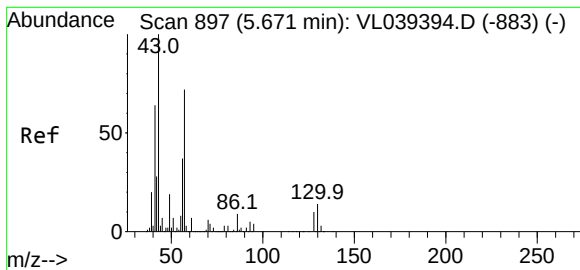


#20
Methylene Chloride
Concen: 27.935 ppbv
RT: 4.353 min Scan# 487
Delta R.T. 0.022 min
Lab File: VL039427.D
Acq: 5 Jul 2022 20:13



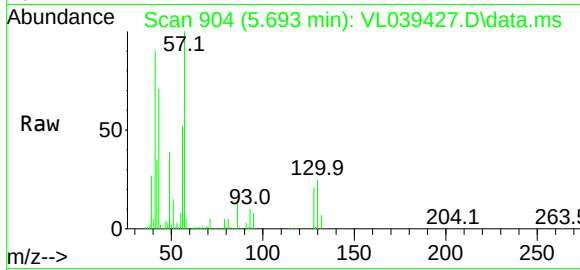
Tgt Ion: 84 Resp: 1615378
Ion Ratio Lower Upper
84 100
49 154.7 123.1 184.7
51 48.3 34.4 51.6
86 65.8 51.1 76.7





#26
Hexane
Concen: 9.859 ppbv
RT: 5.693 min Scan# 90
Delta R.T. 0.022 min
Lab File: VL039427.D
Acq: 5 Jul 2022 20:13

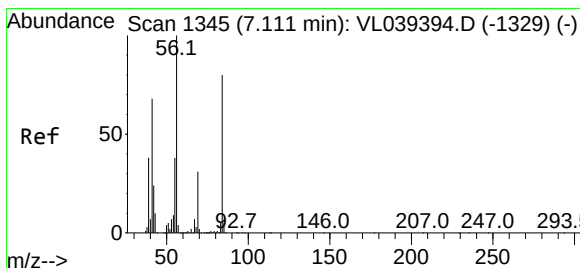
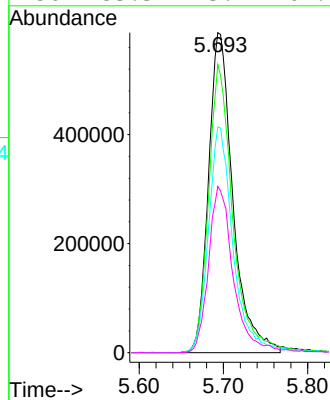
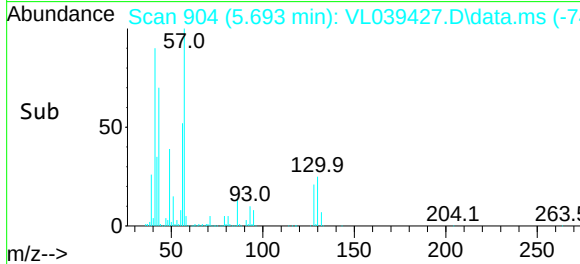
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP



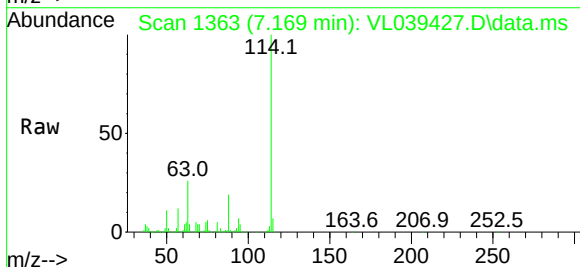
Tgt Ion: 57 Resp: 118225
Ion Ratio Lower Upper
57 100
41 90.5 76.9 115.3
43 71.7 191.0 286.6
56 53.3 43.2 64.8

Manual Integrations
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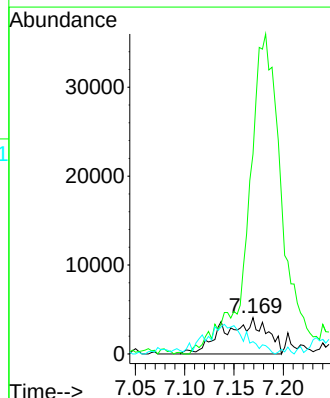
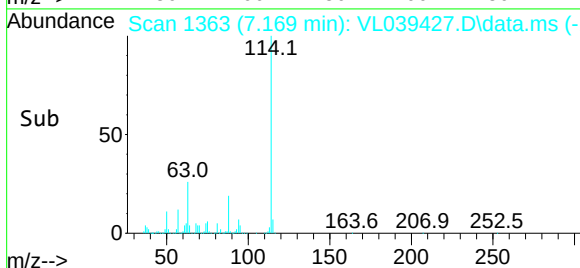
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Supervised By :Mahesh Dadoda 07/07/2022

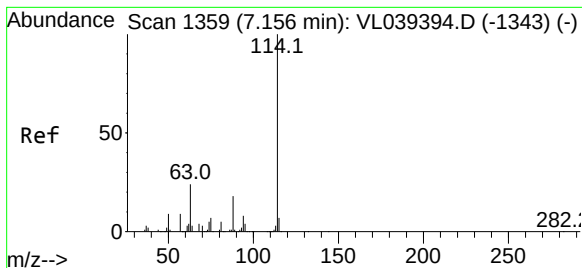


#30
Cyclohexane
Concen: 0.112 ppbv m
RT: 7.169 min Scan# 1363
Delta R.T. 0.058 min
Lab File: VL039427.D
Acq: 5 Jul 2022 20:13



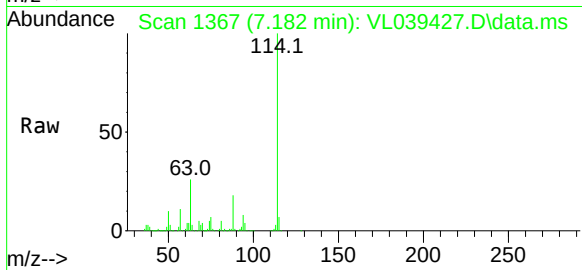
Tgt Ion: 84 Resp: 12211
Ion Ratio Lower Upper
84 100
56 0.0 107.7 161.5
41 90.3 67.7 101.5





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.182 min Scan# 114
Delta R.T. 0.026 min
Lab File: VL039427.D
Acq: 5 Jul 2022 20:13

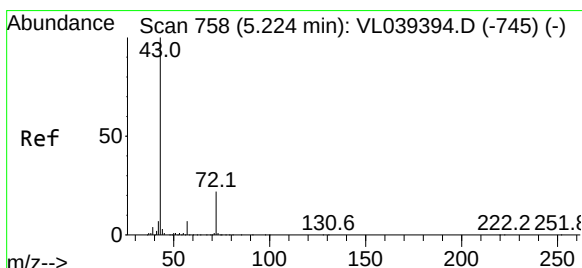
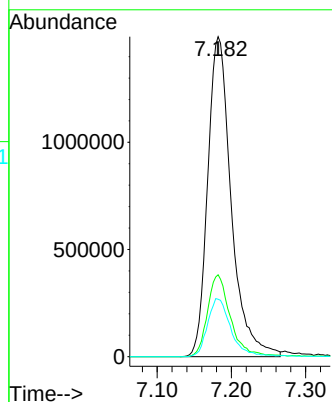
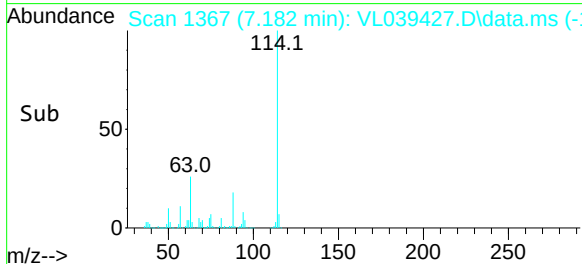
Instrument : MSVOA_L
Client SampleId : IA1DUP



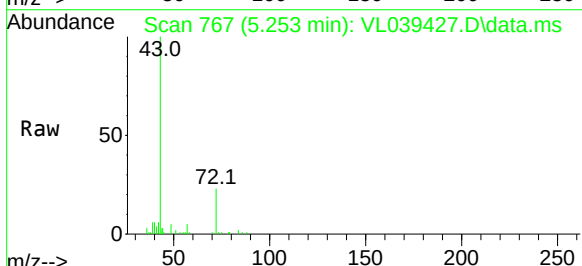
Tgt Ion:114 Resp: 3286330
Ion Ratio Lower Upper
114 100
63 25.4 20.2 30.4
88 18.3 14.5 21.7

Manual Integrations
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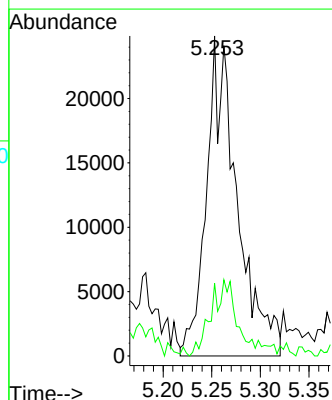
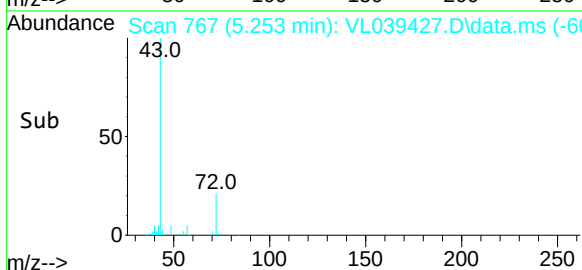
Reviewed By :Semsettin Yesilyurt 07/07/2022
Supervised By :Mahesh Dadoda 07/07/2022

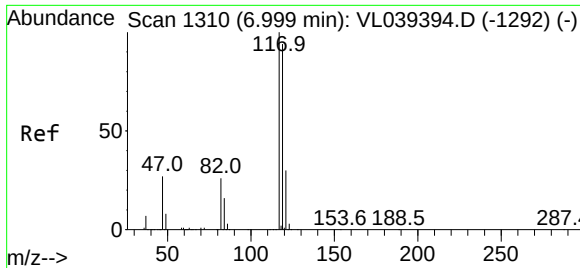


#34
2-Butanone
Concen: 0.329 ppbv m
RT: 5.253 min Scan# 767
Delta R.T. 0.029 min
Lab File: VL039427.D
Acq: 5 Jul 2022 20:13



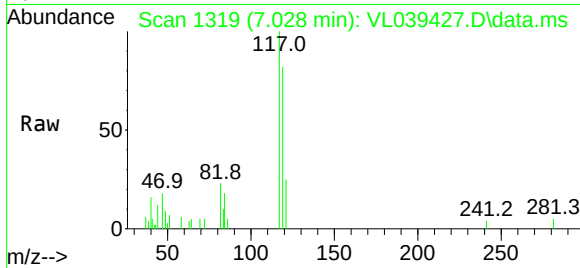
Tgt Ion: 43 Resp: 54492
Ion Ratio Lower Upper
43 100
72 23.4 17.9 26.9





#35
Carbon Tetrachloride
Concen: 0.063 ppbv m
RT: 7.028 min Scan# 11
Delta R.T. 0.029 min
Lab File: VL039427.D
Acq: 5 Jul 2022 20:13

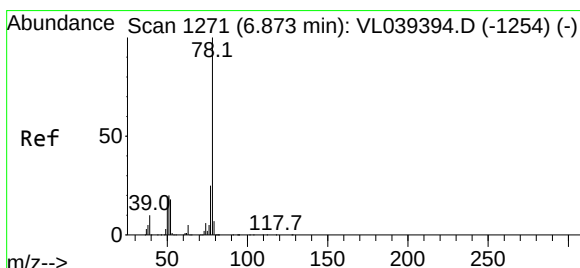
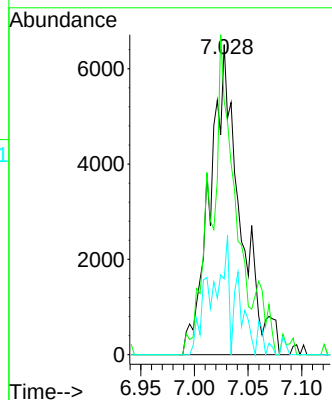
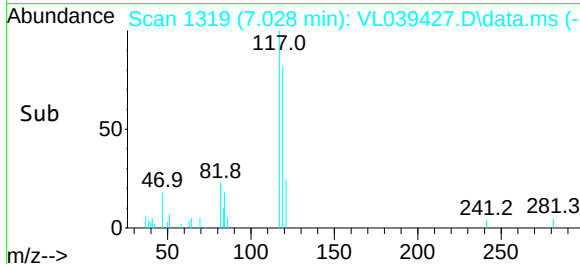
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP



Tgt Ion:117 Resp: 12770
Ion Ratio Lower Upper
117 100
119 81.7 75.4 113.2
121 24.5 24.2 36.2

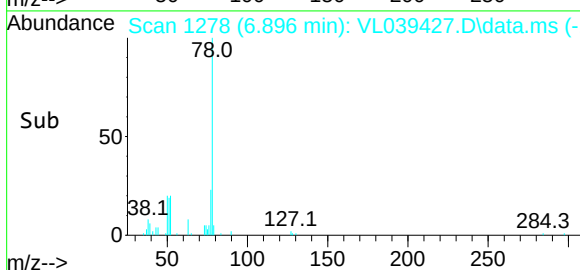
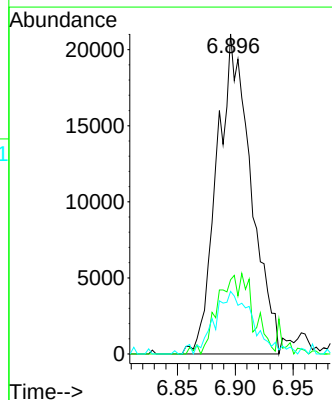
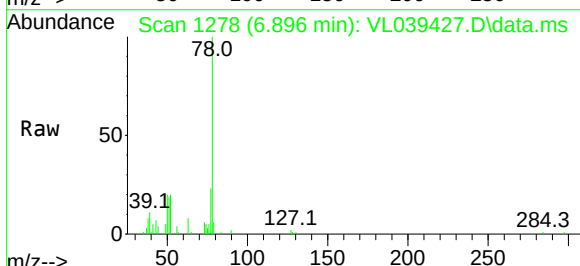
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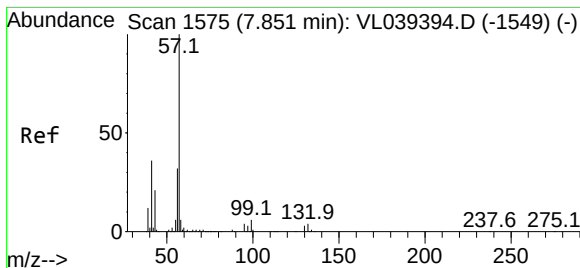
Reviewed By :Semsettin Yesilyurt 07/07/2022
Supervised By :Mahesh Dadoda 07/07/2022



#36
Benzene
Concen: 0.169 ppbv m
RT: 6.896 min Scan# 1278
Delta R.T. 0.022 min
Lab File: VL039427.D
Acq: 5 Jul 2022 20:13

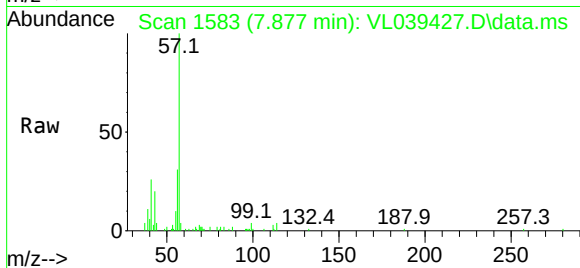
Tgt Ion: 78 Resp: 42867
Ion Ratio Lower Upper
78 100
77 23.2 20.3 30.5
50 19.5 15.5 23.3





#44
2,2,4-Trimethylpentane
Concen: 0.121 ppbv m
RT: 7.877 min Scan# 1583
Delta R.T. 0.026 min
Lab File: VL039427.D
Acq: 5 Jul 2022 20:13

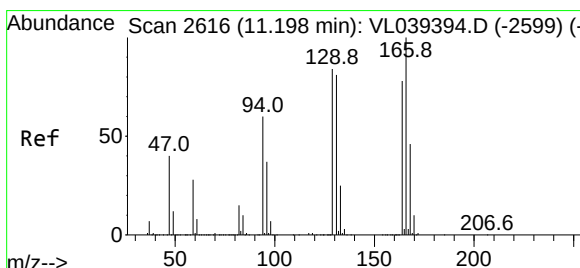
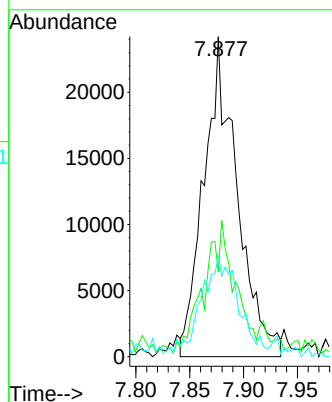
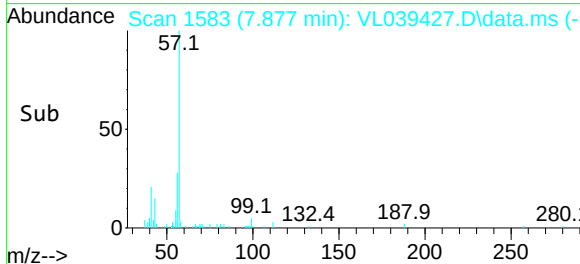
Instrument : MSVOA_L
ClientSampleId : IA1DUP



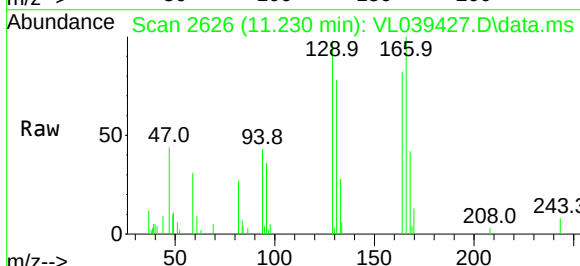
Tgt Ion: 57 Resp: 51990
Ion Ratio Lower Upper
57 100
41 45.8 27.4 41.2
56 39.7 24.5 36.7

Manual Integrations
APPROVED

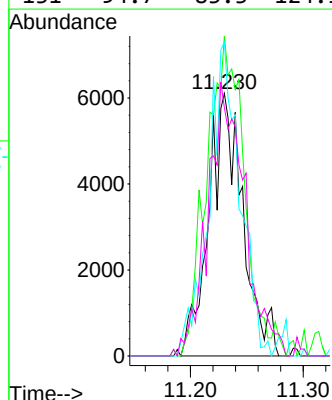
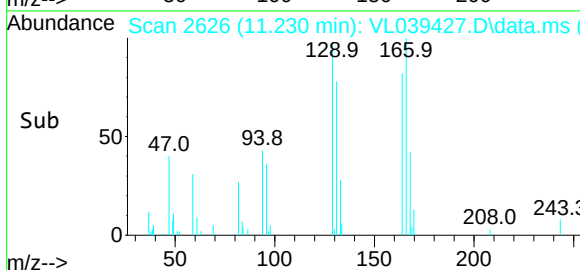
Reviewed By :Semsettin Yesilyurt 07/07/2022
Supervised By :Mahesh Dadoda 07/07/2022

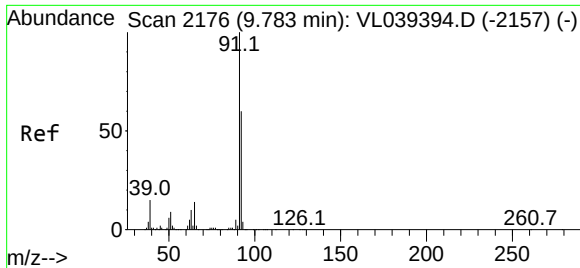


#52
Tetrachloroethene
Concen: 0.125 ppbv m
RT: 11.230 min Scan# 2626
Delta R.T. 0.032 min
Lab File: VL039427.D
Acq: 5 Jul 2022 20:13



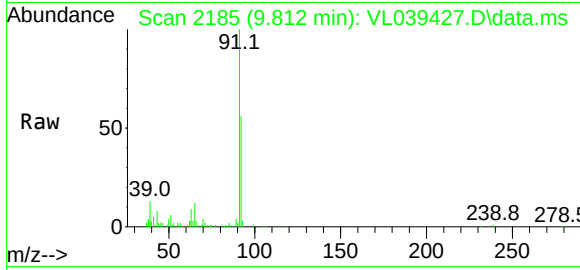
Tgt Ion:164 Resp: 12800
Ion Ratio Lower Upper
164 100
166 121.9 102.2 153.2
129 119.5 85.8 128.8
131 94.7 83.3 124.9





#53
Toluene
Concen: 0.360 ppbv
RT: 9.812 min Scan# 2176
Delta R.T. 0.029 min
Lab File: VL039427.D
Acq: 5 Jul 2022 20:13

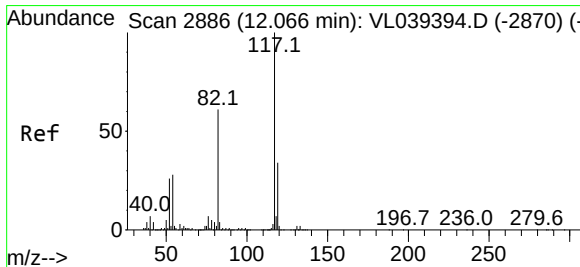
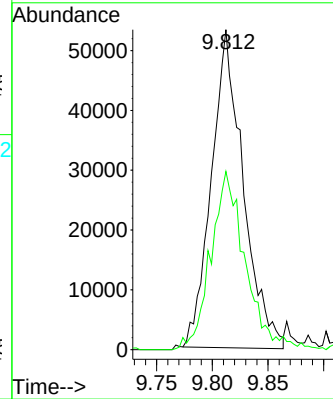
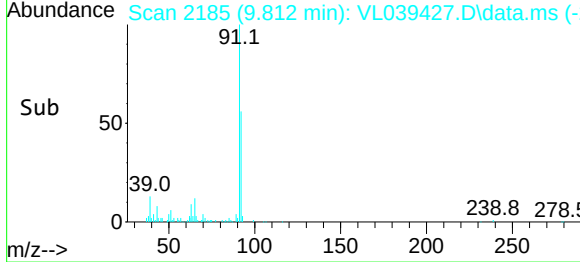
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP



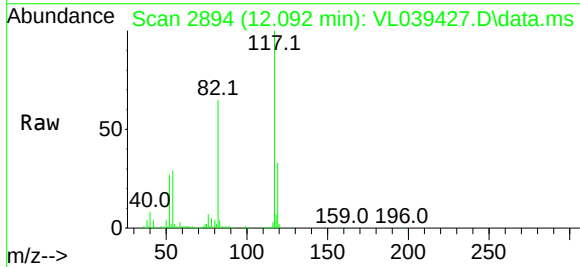
Tgt Ion: 91 Resp: 105690
Ion Ratio Lower Upper
91 100
92 60.8 48.2 72.2

Manual Integrations
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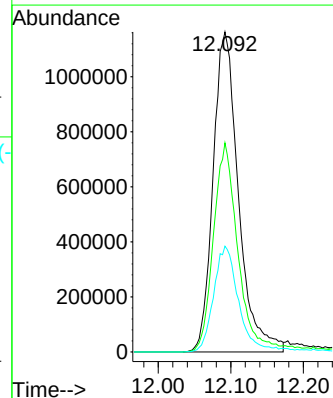
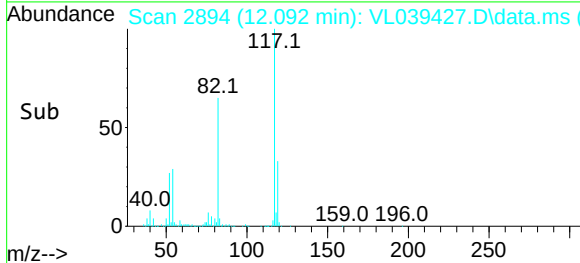
Reviewed By :Semsettin Yesilyurt 07/07/2022
Supervised By :Mahesh Dadoda 07/07/2022

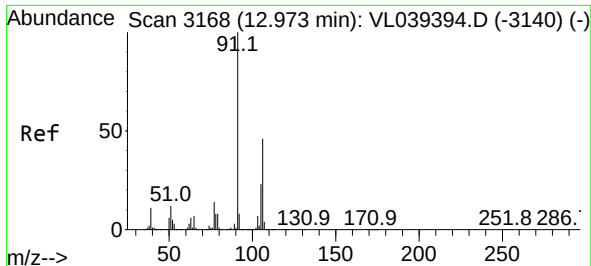


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.092 min Scan# 2894
Delta R.T. 0.026 min
Lab File: VL039427.D
Acq: 5 Jul 2022 20:13



Tgt Ion:117 Resp: 2827161
Ion Ratio Lower Upper
117 100
82 66.3 50.8 76.2
119 32.8 24.1 36.1





#59

m/p-Xylene

Concen: 0.156 ppbv m

RT: 12.976 min Scan# 3168

Delta R.T. 0.003 min

Lab File: VL039427.D

Acq: 5 Jul 2022 20:13

Instrument :

MSVOA_L

ClientSampleId :

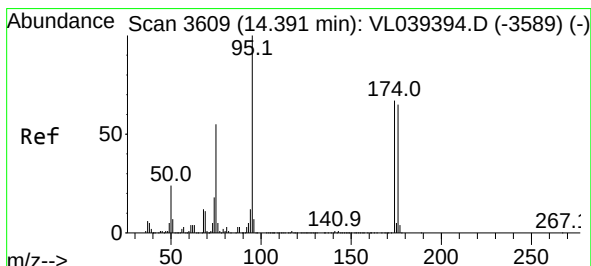
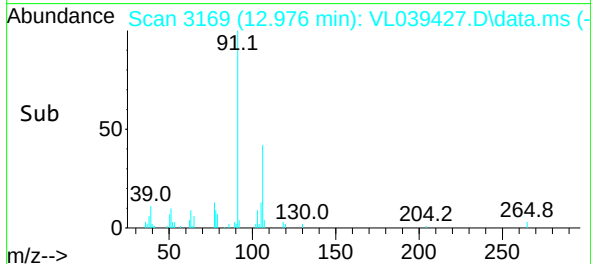
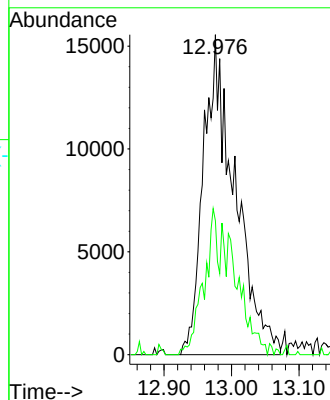
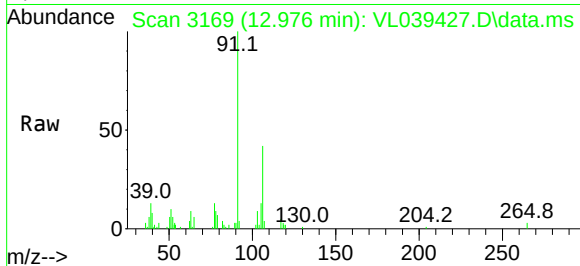
IA1DUP

Tgt Ion: 91 Resp: 50090
 Ion Ratio Lower Upper
 91 100
 106 0.0 35.4 53.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/07/2022
 Supervised By :Mahesh Dadoda 07/07/2022



#68

1-Bromo-4-Fluorobenzene

Concen: 10.112 ppbv

RT: 14.420 min Scan# 3618

Delta R.T. 0.029 min

Lab File: VL039427.D

Acq: 5 Jul 2022 20:13

Tgt Ion: 95 Resp: 2120744
 Ion Ratio Lower Upper
 95 100
 174 71.3 55.9 83.9
 175 5.1 4.2 6.4

