

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL062422\
 Data File : VL039356.D
 Acq On : 25 Jun 2022 1:10
 Operator : SY/AP
 Sample : N3453-09
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 AA-1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/27/2022
 Supervised By :Mahesh Dadoda 06/30/2022

Quant Time: Jun 27 01:54:34 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL053122AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 01 01:22:18 2022

QLast Update : Wed Jun 01 01:22:18 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.661	49	1095236	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	7.169	114	2970269	10.000	ppbv	-0.01
55) Chlorobenzene-d5	12.079	117	2615813	10.000	ppbv	-0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.407	95	1968108	9.101	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	91.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	3.050	85	40761	0.212	ppbv	98
3) Chlorodifluoromethane	2.992	51	74954	0.538	ppbv	95
4) Chloromethane	3.140	50	40045	0.559	ppbv	95
9) Propene	3.018	41	39950m	0.657	ppbv	
11) Trichlorofluoromethane	3.951	101	37969	0.218	ppbv	94
13) Ethanol	3.600	45	957004	288.792	ppbv #	100
15) Acetone	3.845	43	2610798	22.884	ppbv	97
17) tert-Butyl alcohol	4.304	59	15897m	0.180	ppbv	
19) Isopropyl Alcohol	3.963	45	793414	14.827	ppbv #	97
20) Methylene Chloride	4.343	84	126092	2.623	ppbv	92
26) Hexane	5.680	57	103212m	0.913	ppbv	
34) 2-Butanone	5.243	43	103300	0.640	ppbv	95
35) Carbon Tetrachloride	7.021	117	12550m	0.058	ppbv	
36) Benzene	6.886	78	30519m	0.127	ppbv	
38) Trichloroethene	7.835	130	22083m	0.199	ppbv	
53) Toluene	9.799	91	102159	0.368	ppbv	100
59) m/p-Xylene	12.957	91	38175m	0.120	ppbv	

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

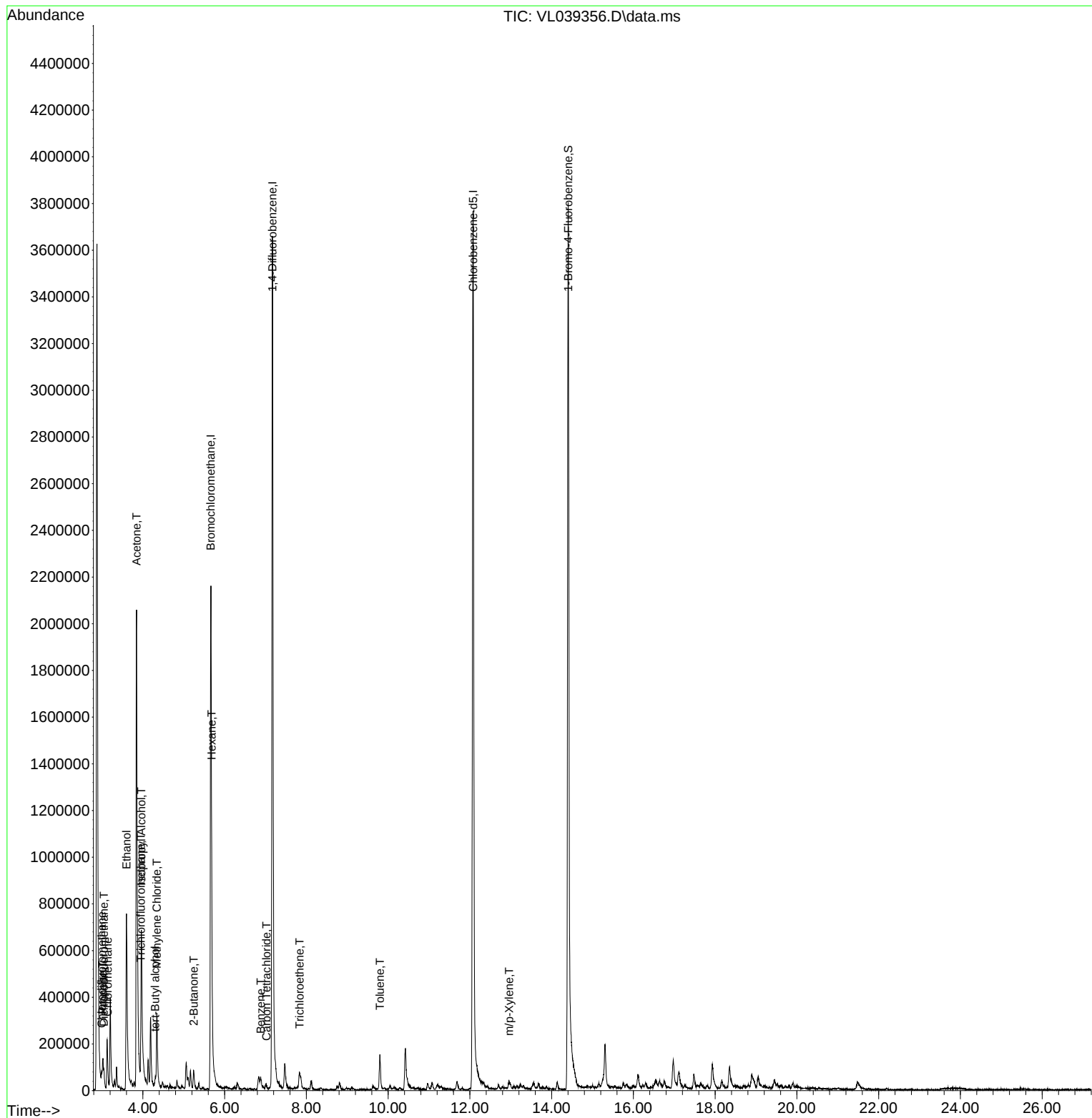
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL062422\
Data File : VL039356.D
Acq On : 25 Jun 2022 1:10
Operator : SY/AP
Sample : N3453-09
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

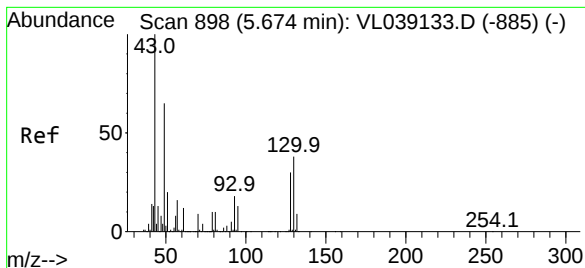
Instrument :
MSVOA_L
ClientSampleId :
AA-1

Quant Time: Jun 27 01:54:34 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL053122AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun
QLast Update : Wed Jun 01 01:22:18 2022
Response via : Initial Calibration

Manual Integrations
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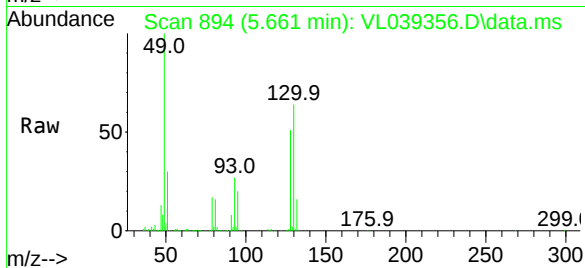
Reviewed By :Semsettin Yesilyurt 06/27/2022
Supervised By :Mahesh Dadoda 06/30/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.661 min Scan# 894
Delta R.T. -0.013 min
Lab File: VL039356.D
Acq: 25 Jun 2022 1:10

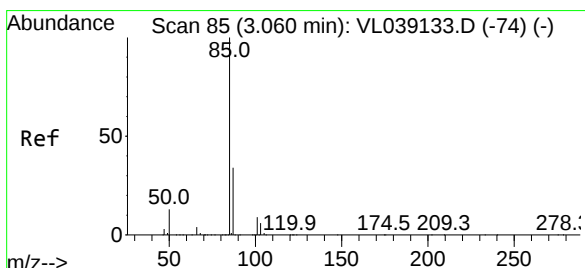
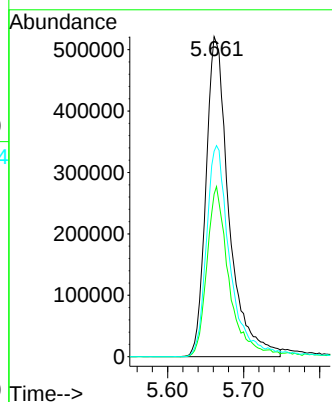
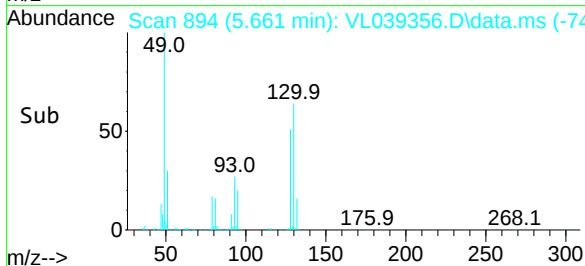
Instrument :
MSVOA_L
ClientSampleId :
AA-1



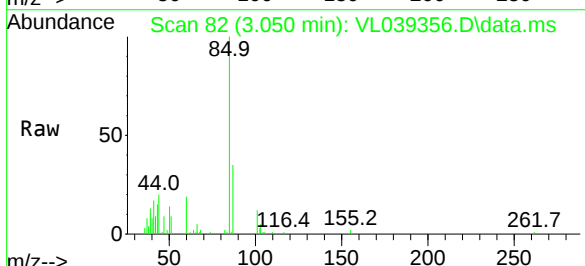
Tgt Ion: 49 Resp: 1095230
Ion Ratio Lower Upper
49 100
128 52.7 24.7 74.1
130 68.6 31.4 94.0

Manual Integrations
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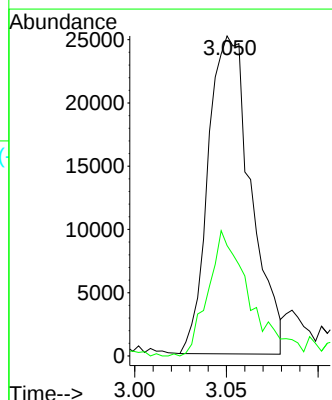
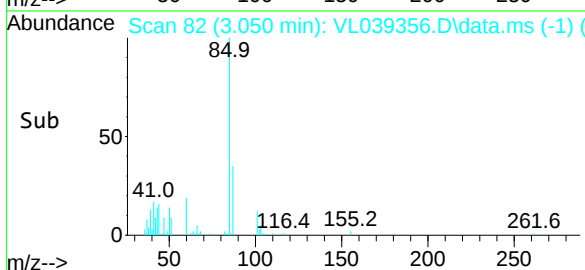
Reviewed By :Semsettin Yesilyurt 06/27/2022
Supervised By :Mahesh Dadoda 06/30/2022

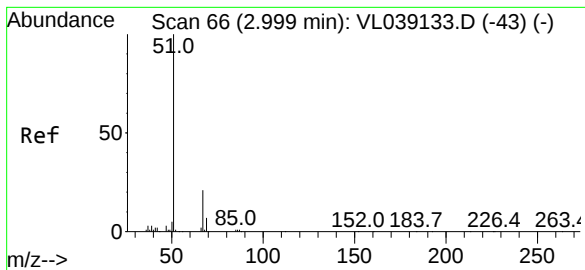


#2
Dichlorodifluoromethane
Concen: 0.212 ppbv
RT: 3.050 min Scan# 82
Delta R.T. -0.010 min
Lab File: VL039356.D
Acq: 25 Jun 2022 1:10



Tgt Ion: 85 Resp: 40761
Ion Ratio Lower Upper
85 100
87 34.8 26.9 40.3





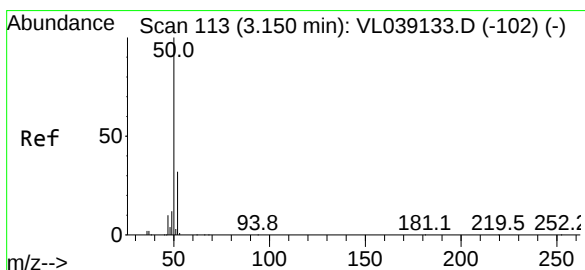
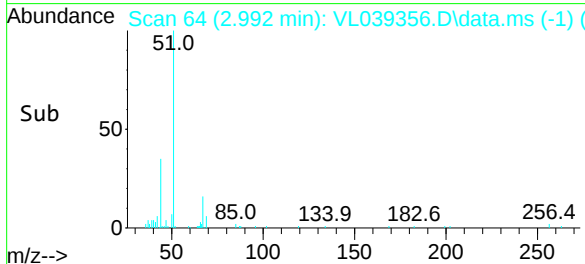
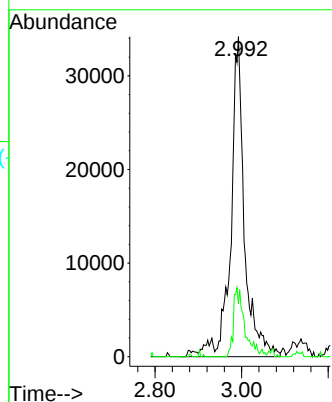
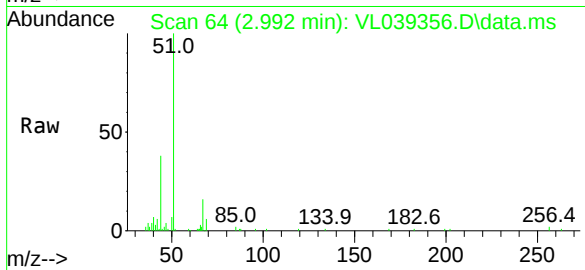
#3
Chlorodifluoromethane
Concen: 0.538 ppbv
RT: 2.992 min Scan# 64
Delta R.T. -0.007 min
Lab File: VL039356.D
Acq: 25 Jun 2022 1:10

Instrument :
MSVOA_L
ClientSampleId :
AA-1

Tgt Ion: 51 Resp: 74954
Ion Ratio Lower Upper
51 100
67 18.0 16.2 24.4

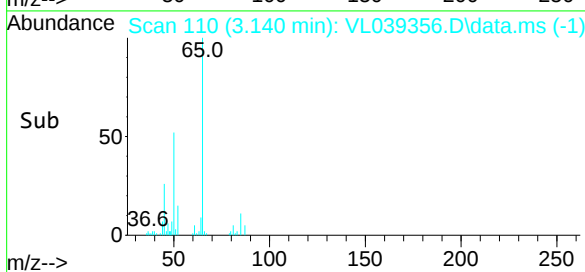
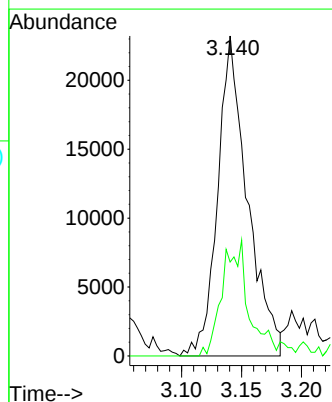
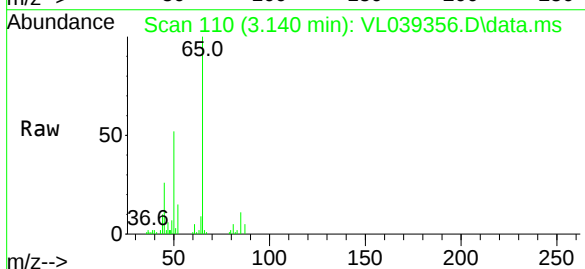
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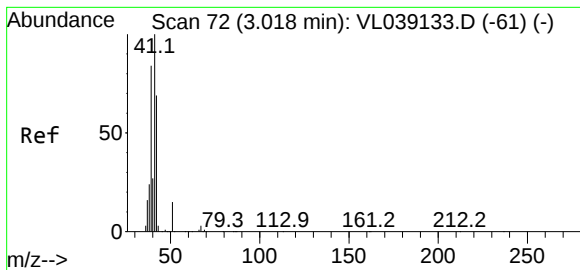
Reviewed By :Semsettin Yesilyurt 06/27/2022
Supervised By :Mahesh Dadoda 06/30/2022



#4
Chloromethane
Concen: 0.559 ppbv
RT: 3.140 min Scan# 110
Delta R.T. -0.010 min
Lab File: VL039356.D
Acq: 25 Jun 2022 1:10

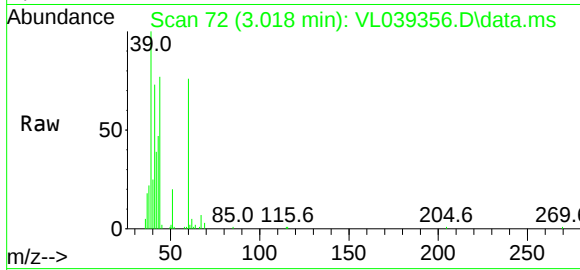
Tgt Ion: 50 Resp: 40045
Ion Ratio Lower Upper
50 100
52 29.3 25.9 38.9





#9
 Propene
 Concen: 0.657 ppbv m
 RT: 3.018 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: VL039356.D
 Acq: 25 Jun 2022 1:10

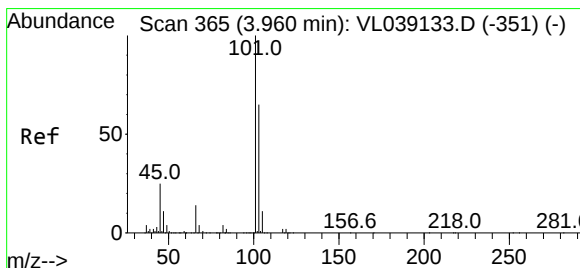
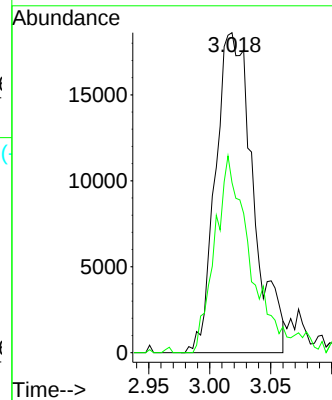
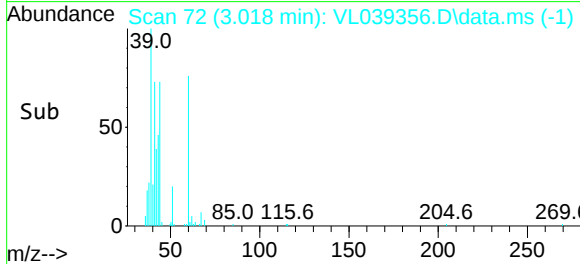
Instrument :
 MSVOA_L
 ClientSampleId :
 AA-1



Tgt Ion: 41 Resp: 39950
 Ion Ratio Lower Upper
 41 100
 42 61.1 55.4 83.2

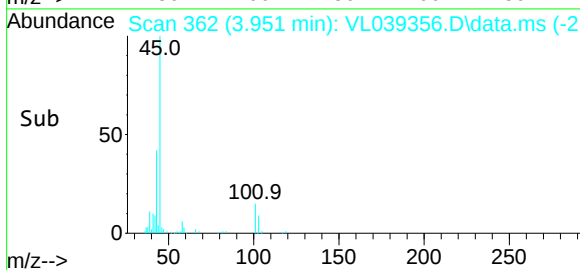
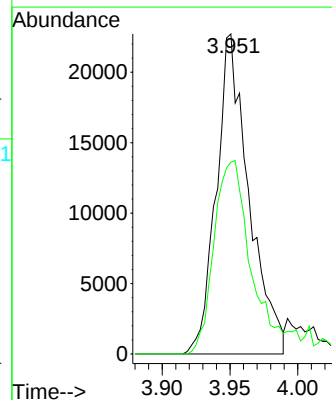
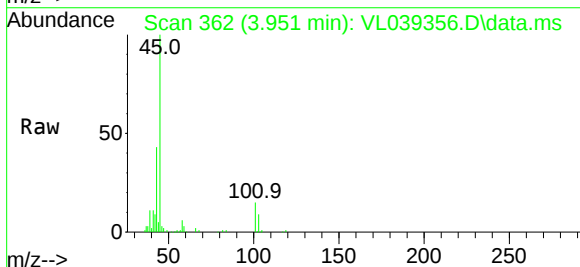
Manual Integrations
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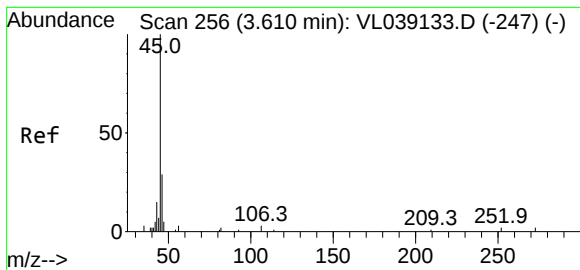
Reviewed By :Semsettin Yesilyurt 06/27/2022
 Supervised By :Mahesh Dadoda 06/30/2022



#11
 Trichlorofluoromethane
 Concen: 0.218 ppbv
 RT: 3.951 min Scan# 362
 Delta R.T. -0.010 min
 Lab File: VL039356.D
 Acq: 25 Jun 2022 1:10

Tgt Ion:101 Resp: 37969
 Ion Ratio Lower Upper
 101 100
 103 60.0 51.7 77.5





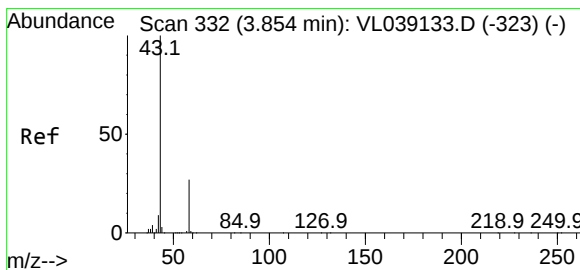
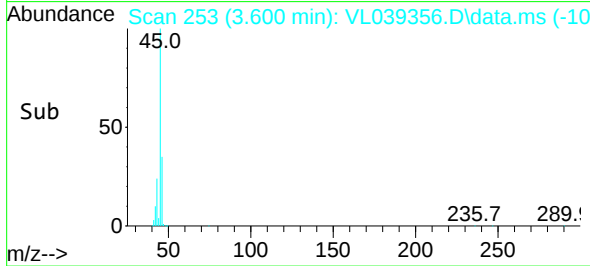
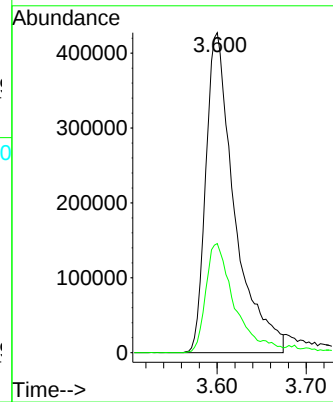
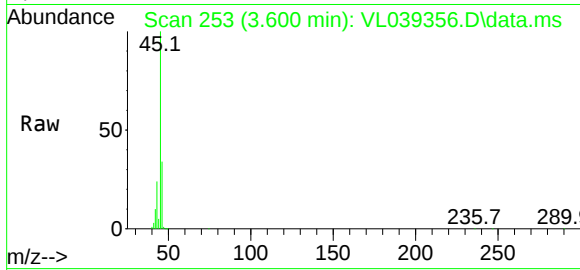
#13
Ethanol
Concen: 288.792 ppbv
RT: 3.600 min Scan# 21
Delta R.T. -0.010 min
Lab File: VL039356.D
Acq: 25 Jun 2022 1:10

Instrument :
MSVOA_L
ClientSampleId :
AA-1

Tgt Ion: 45 Resp: 957004
Ion Ratio Lower Upper
45 100
46 37.0 0.0 0.0

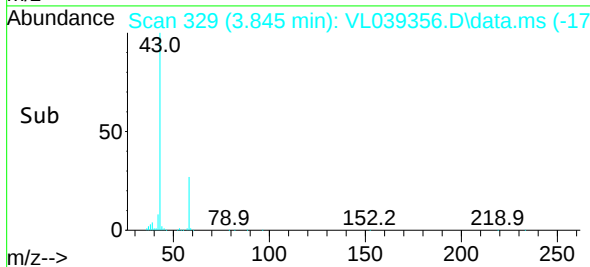
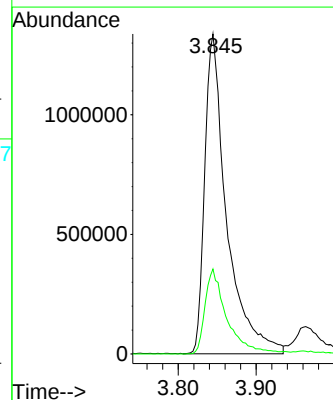
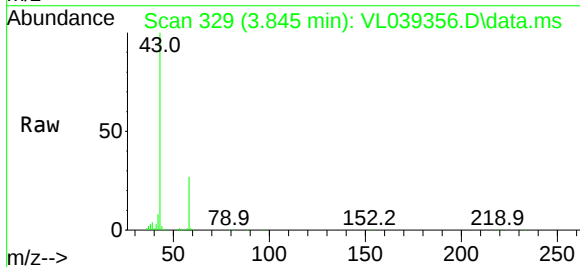
Manual Integrations
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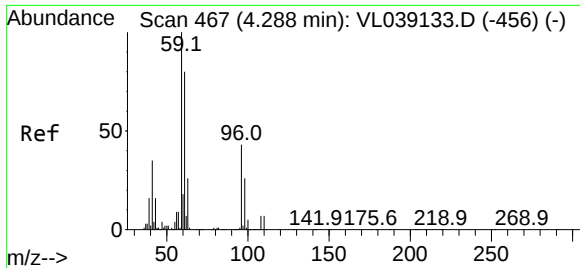
Reviewed By :Semsettin Yesilyurt 06/27/2022
Supervised By :Mahesh Dadoda 06/30/2022



#15
Acetone
Concen: 22.884 ppbv
RT: 3.845 min Scan# 329
Delta R.T. -0.010 min
Lab File: VL039356.D
Acq: 25 Jun 2022 1:10

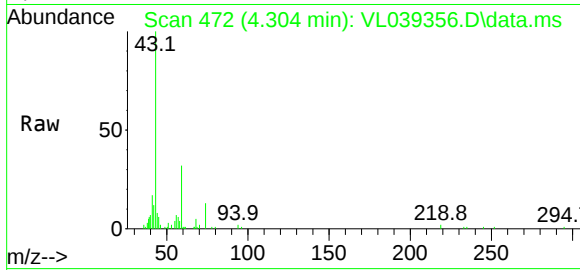
Tgt Ion: 43 Resp: 2610798
Ion Ratio Lower Upper
43 100
58 26.5 22.5 33.7





#17
tert-Butyl alcohol
Concen: 0.180 ppbv m
RT: 4.304 min Scan# 41
Delta R.T. 0.016 min
Lab File: VL039356.D
Acq: 25 Jun 2022 1:10

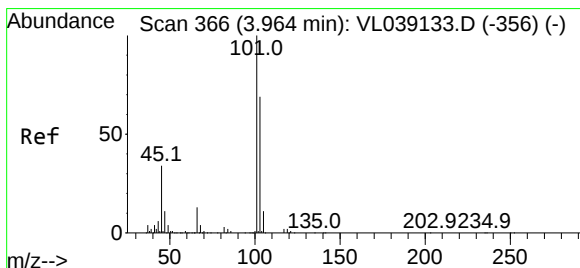
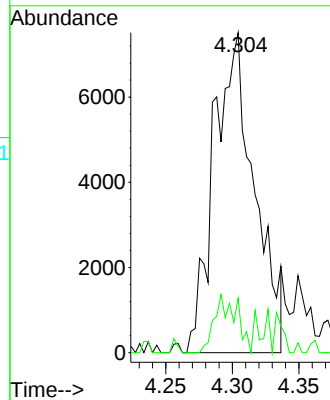
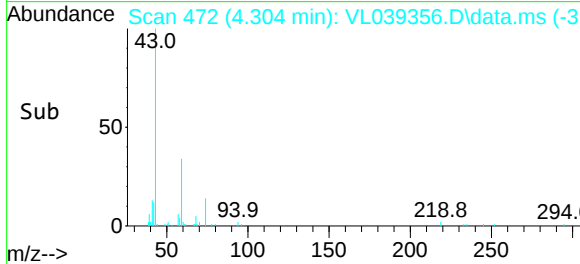
Instrument :
MSVOA_L
ClientSampleId :
AA-1



Tgt Ion: 59 Resp: 1589
Ion Ratio Lower Upper
59 100
57 0.0 9.1 13.7

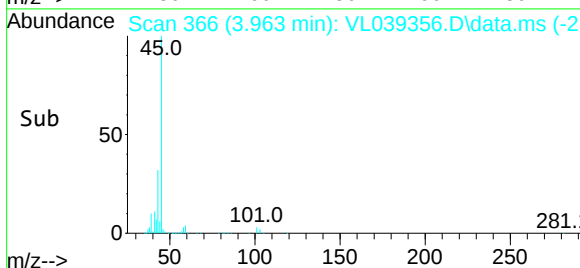
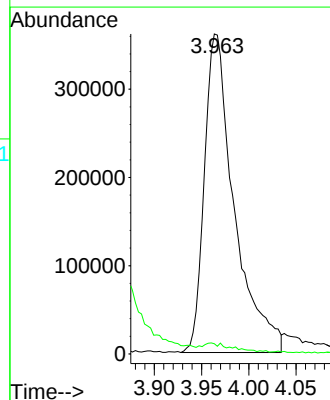
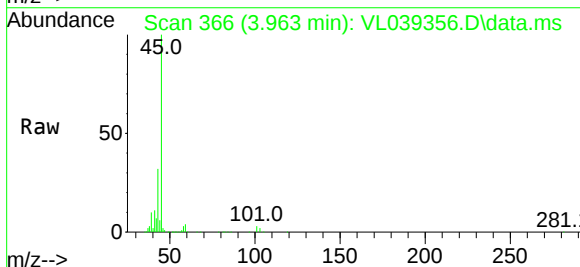
Manual Integrations
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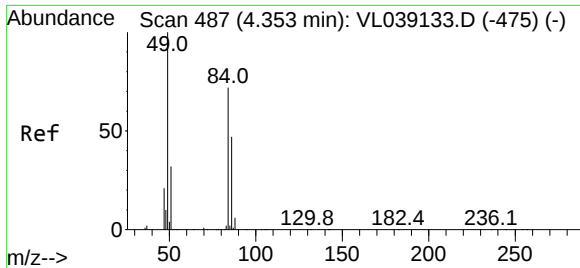
Reviewed By :Semsettin Yesilyurt 06/27/2022
Supervised By :Mahesh Dadoda 06/30/2022



#19
Isopropyl Alcohol
Concen: 14.827 ppbv
RT: 3.963 min Scan# 366
Delta R.T. -0.000 min
Lab File: VL039356.D
Acq: 25 Jun 2022 1:10

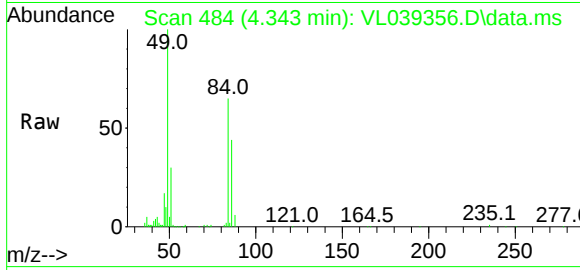
Tgt Ion: 45 Resp: 793414
Ion Ratio Lower Upper
45 100
58 3.3 1.8 2.8





#20
Methylene Chloride
Concen: 2.623 ppbv
RT: 4.343 min Scan# 41
Delta R.T. -0.010 min
Lab File: VL039356.D
Acq: 25 Jun 2022 1:10

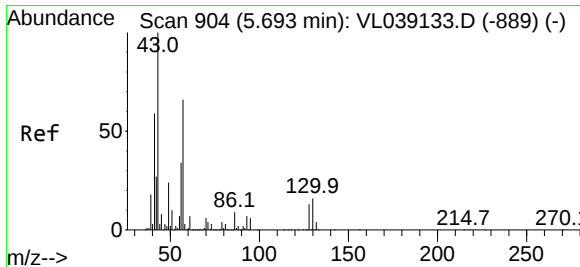
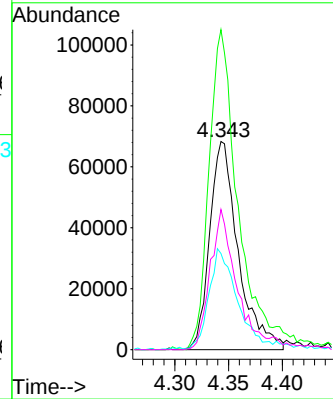
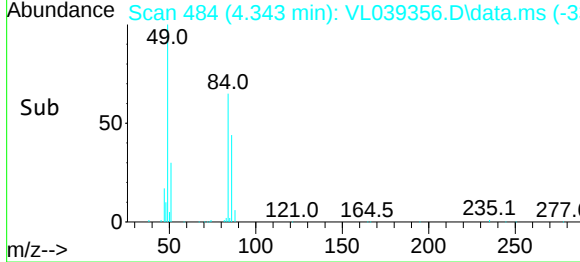
Instrument :
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ClientSampleId :
AA-1



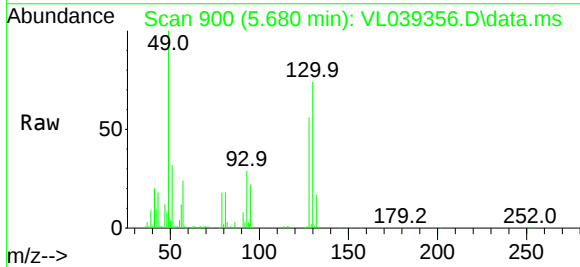
Tgt Ion: 84 Resp: 126092
Ion Ratio Lower Upper
84 100
49 153.5 111.1 166.7
51 45.8 35.3 52.9
86 67.3 51.9 77.9

Manual Integrations
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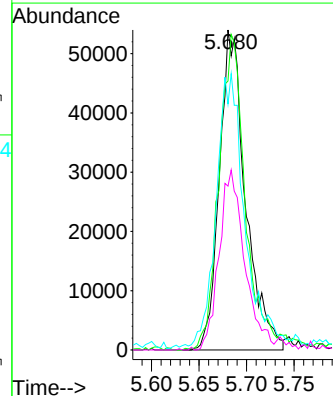
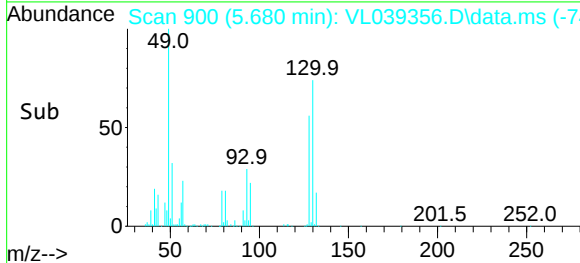
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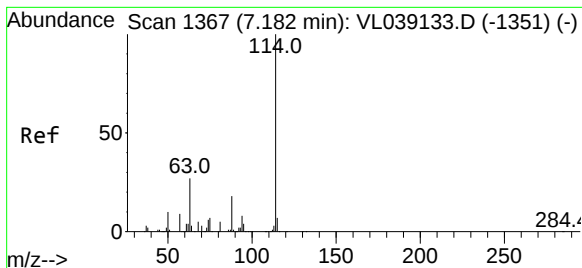


#26
Hexane
Concen: 0.913 ppbv m
RT: 5.680 min Scan# 900
Delta R.T. -0.013 min
Lab File: VL039356.D
Acq: 25 Jun 2022 1:10



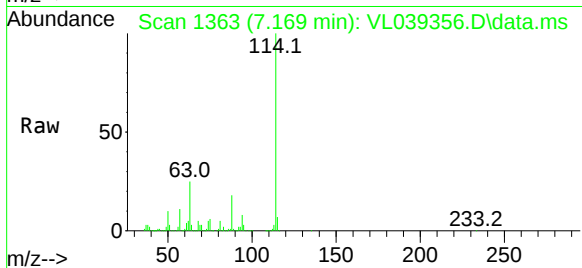
Tgt Ion: 57 Resp: 103212
Ion Ratio Lower Upper
57 100
41 105.3 72.4 108.6
43 98.0 187.0 280.6#
56 58.2 41.8 62.6





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.169 min Scan# 114
Delta R.T. -0.013 min
Lab File: VL039356.D
Acq: 25 Jun 2022 1:10

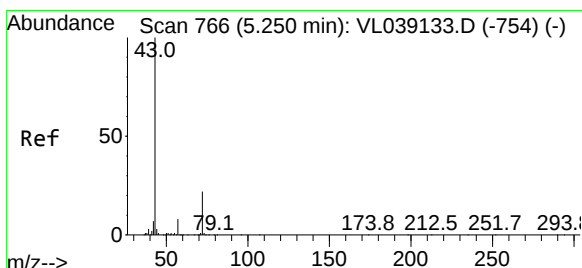
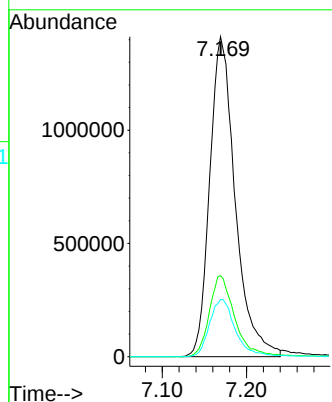
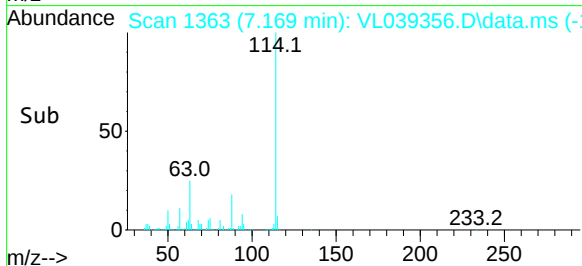
Instrument : MSVOA_L
ClientSampleId : AA-1



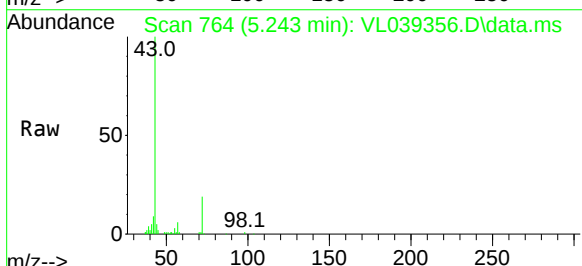
Tgt Ion:114 Resp: 2970269
Ion Ratio Lower Upper
114 100
63 25.6 21.7 32.5
88 18.3 14.8 22.2

Manual Integrations
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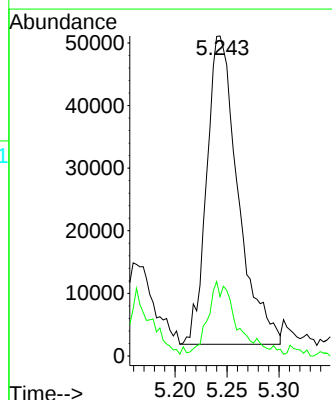
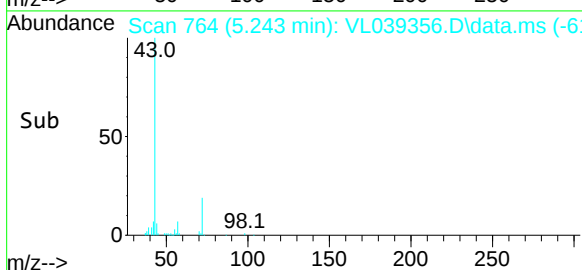
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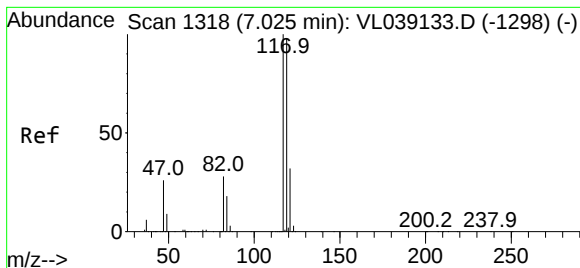


#34
2-Butanone
Concen: 0.640 ppbv
RT: 5.243 min Scan# 764
Delta R.T. -0.007 min
Lab File: VL039356.D
Acq: 25 Jun 2022 1:10



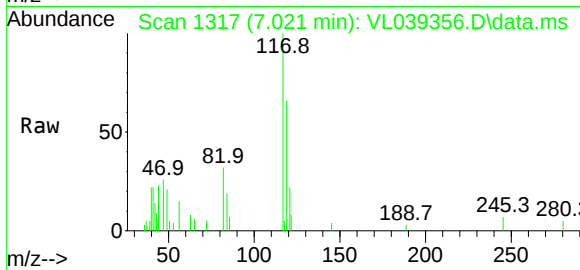
Tgt Ion: 43 Resp: 103300
Ion Ratio Lower Upper
43 100
72 25.1 18.2 27.2





#35
Carbon Tetrachloride
Concen: 0.058 ppbv m
RT: 7.021 min Scan# 117
Delta R.T. -0.003 min
Lab File: VL039356.D
Acq: 25 Jun 2022 1:10

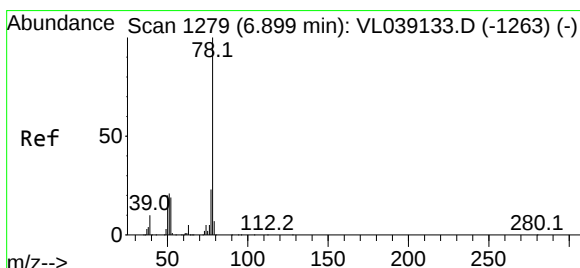
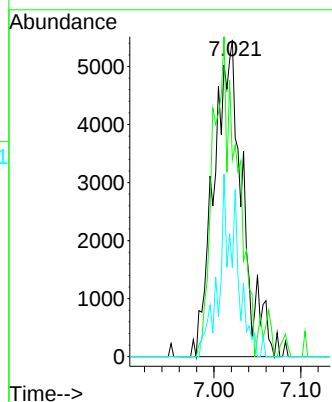
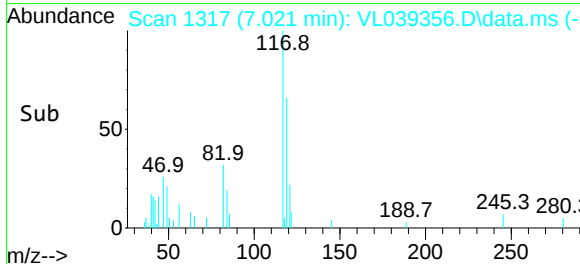
Instrument : MSVOA_L
ClientSampleId : AA-1



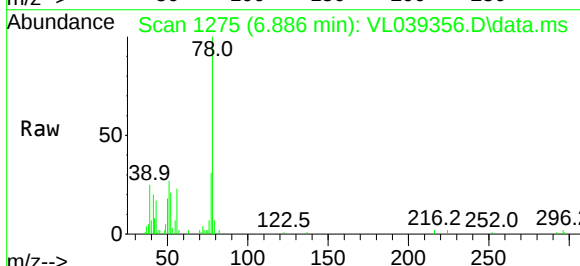
Tgt Ion: 117 Resp: 12550
Ion Ratio Lower Upper
117 100
119 65.5 78.6 118.0
121 21.9 25.4 38.0

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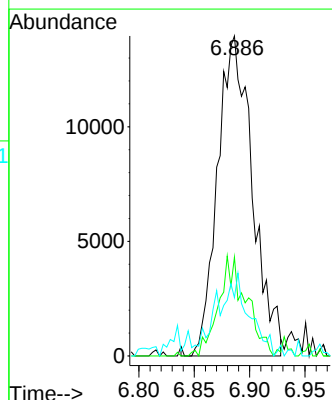
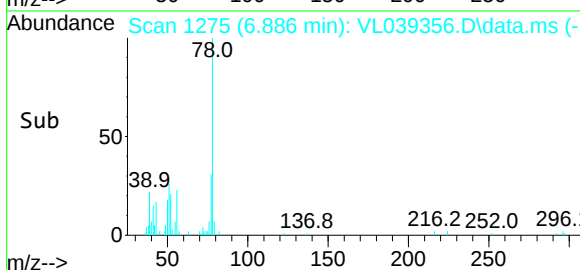
Reviewed By :Semsettin Yesilyurt 06/27/2022
Supervised By :Mahesh Dadoda 06/30/2022

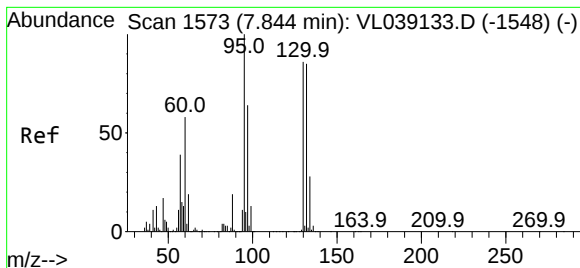


#36
Benzene
Concen: 0.127 ppbv m
RT: 6.886 min Scan# 1275
Delta R.T. -0.013 min
Lab File: VL039356.D
Acq: 25 Jun 2022 1:10



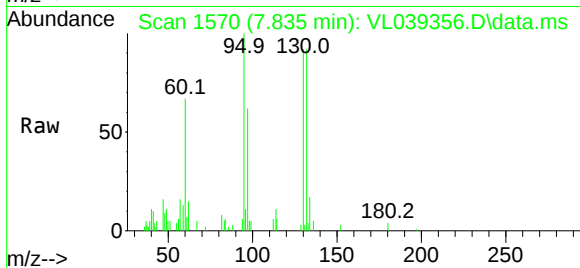
Tgt Ion: 78 Resp: 30519
Ion Ratio Lower Upper
78 100
77 30.9 18.6 27.8
50 18.3 15.8 23.8





#38
Trichloroethene
Concen: 0.199 ppbv m
RT: 7.835 min Scan# 11
Delta R.T. -0.010 min
Lab File: VL039356.D
Acq: 25 Jun 2022 1:10

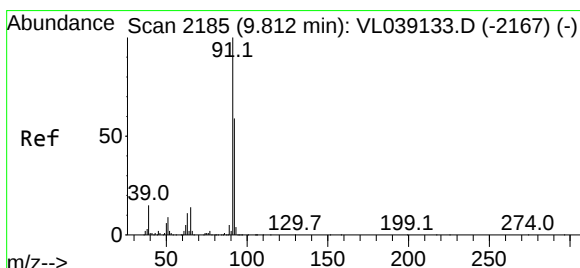
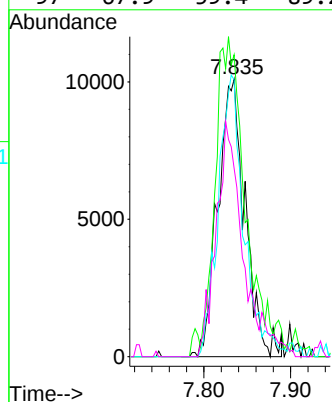
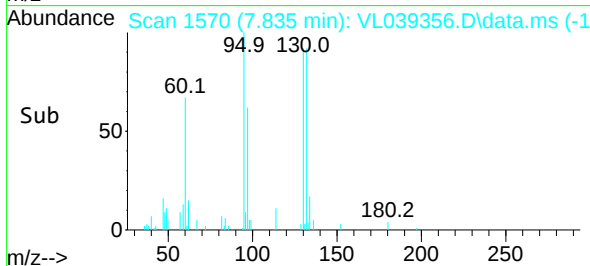
Instrument :
MSVOA_L
ClientSampleId :
AA-1



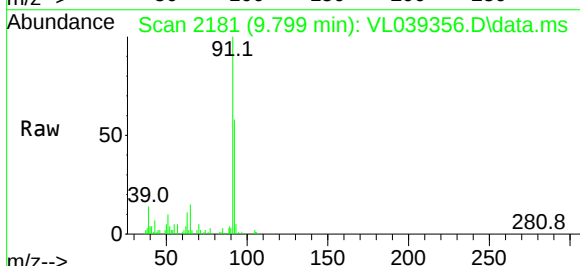
Tgt Ion:130 Resp: 2208
Ion Ratio Lower Upper
130 100
95 108.8 93.3 139.9
132 99.8 79.0 118.4
97 67.9 59.4 89.2

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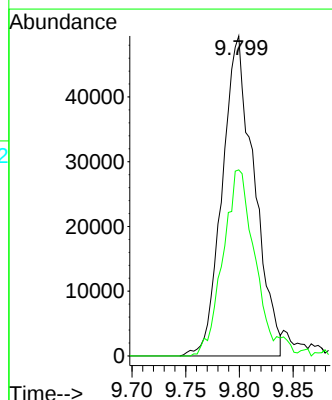
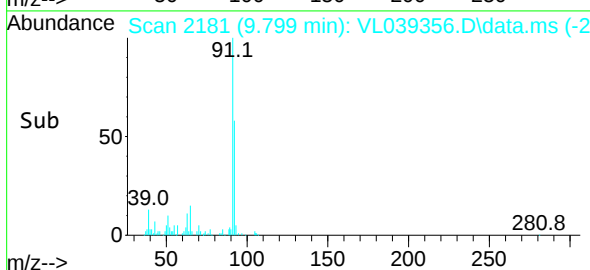
Reviewed By :Semsettin Yesilyurt 06/27/2022
Supervised By :Mahesh Dadoda 06/30/2022

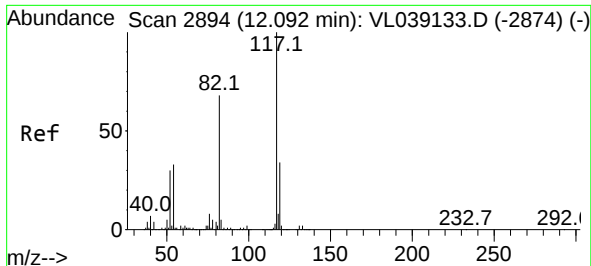


#53
Toluene
Concen: 0.368 ppbv
RT: 9.799 min Scan# 2181
Delta R.T. -0.013 min
Lab File: VL039356.D
Acq: 25 Jun 2022 1:10



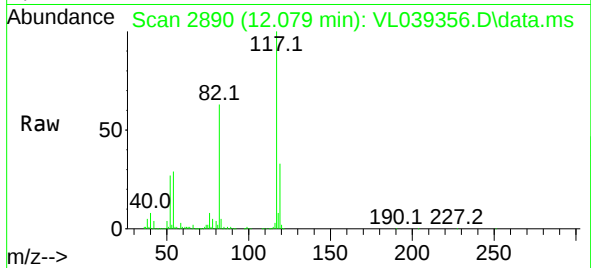
Tgt Ion: 91 Resp: 102159
Ion Ratio Lower Upper
91 100
92 60.1 48.1 72.1





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.079 min Scan# 21
Delta R.T. -0.013 min
Lab File: VL039356.D
Acq: 25 Jun 2022 1:10

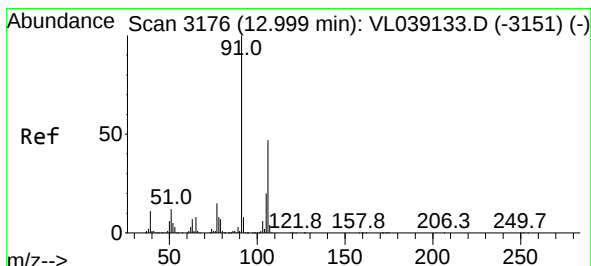
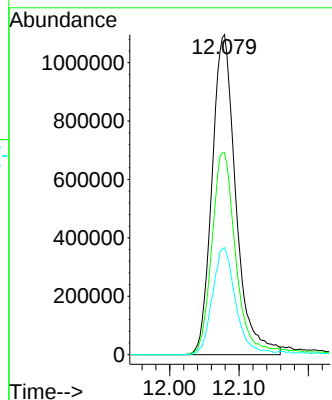
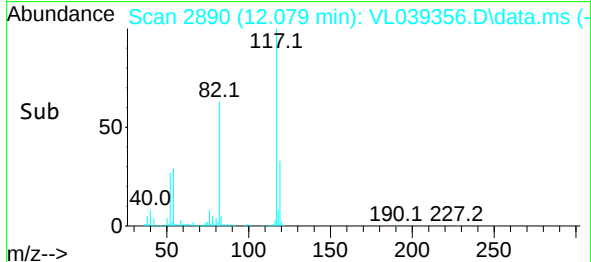
Instrument :
MSVOA_L
ClientSampleId :
AA-1



Tgt Ion:117 Resp: 261581
Ion Ratio Lower Upper
117 100
82 65.9 55.1 82.7
119 34.4 24.7 37.1

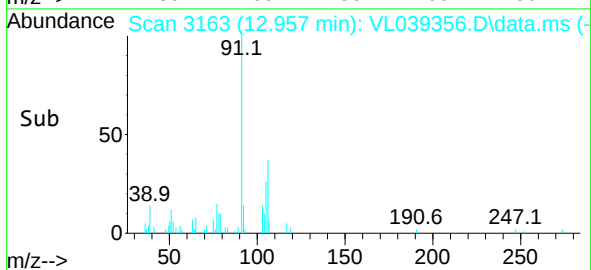
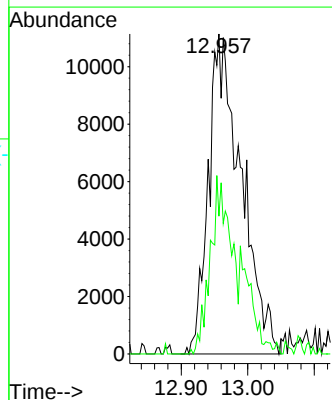
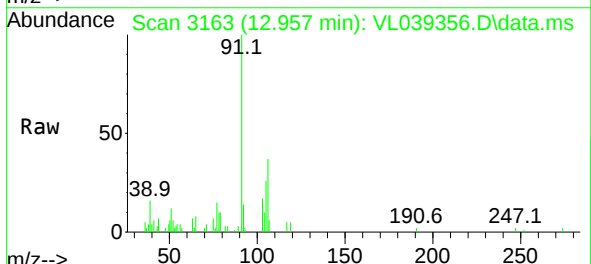
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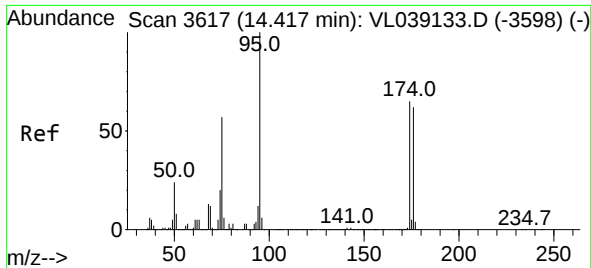
Reviewed By :Semsettin Yesilyurt 06/27/2022
Supervised By :Mahesh Dadoda 06/30/2022



#59
m/p-Xylene
Concen: 0.120 ppbv m
RT: 12.957 min Scan# 3163
Delta R.T. -0.042 min
Lab File: VL039356.D
Acq: 25 Jun 2022 1:10

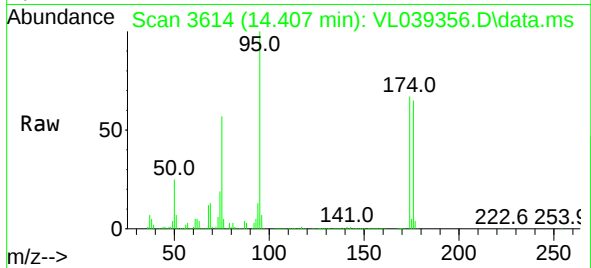
Tgt Ion: 91 Resp: 38175
Ion Ratio Lower Upper
91 100
106 0.0 34.3 51.5#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.101 ppbv
 RT: 14.407 min Scan# 30
 Delta R.T. -0.010 min
 Lab File: VL039356.D
 Acq: 25 Jun 2022 1:10

Instrument :
 MSVOA_L
 ClientSampleId :
 AA-1



Tgt Ion: 95 Resp: 1968108
 Ion Ratio Lower Upper
 95 100
 174 70.5 53.8 80.8
 175 5.1 4.1 6.1

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 06/27/2022
 Supervised By :Mahesh Dadoda 06/30/2022

