

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061522\
 Data File : VL039306.D
 Acq On : 15 Jun 2022 21:57
 Operator : SY/AP
 Sample : N3326-02 2X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 S V2

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/16/2022
 Supervised By :Mahesh Dadoda 06/17/2022

Quant Time: Jun 16 04:37:59 2022

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 0

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	5.655	49	1463228	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	7.160	114	3992412	10.000	ppbv	-0.02
55) Chlorobenzene-d5	12.066	117	3543189	10.000	ppbv	-0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.397	95	2634136	8.992	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	89.900%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.041	85	64874	0.252	ppbv	99
3) Chlorodifluoromethane	2.983	51	51887	0.279	ppbv	94
4) Chloromethane	3.131	50	31825m	0.333	ppbv	
7) Chloroethane	3.552	64	5092	0.163	ppbv	93
9) Propene	3.018	41	853044m	10.508	ppbv	
11) Trichlorofluoromethane	3.948	101	71134m	0.306	ppbv	
13) Ethanol	3.597	45	44744m	10.107	ppbv	
15) Acetone	3.838	43	2703704	17.738	ppbv	97
17) tert-Butyl alcohol	4.288	59	110909	0.938	ppbv #	91
19) Isopropyl Alcohol	3.967	45	43069m	0.602	ppbv	
20) Methylene Chloride	4.337	84	23289	0.363	ppbv #	88
26) Hexane	5.674	57	291382	1.930	ppbv #	31
27) Carbon Disulfide	4.542	76	42804	0.274	ppbv #	80
29) Chloroform	5.739	83	58625	0.231	ppbv	88
30) Cyclohexane	7.115	84	63744m	0.503	ppbv	
32) 1,1,1-Trichloroethane	6.497	97	58649m	0.236	ppbv	
34) 2-Butanone	5.243	43	115662m	0.533	ppbv	
36) Benzene	6.877	78	37376	0.115	ppbv	93
52) Tetrachloroethene	11.208	164	40862m	0.323	ppbv	

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

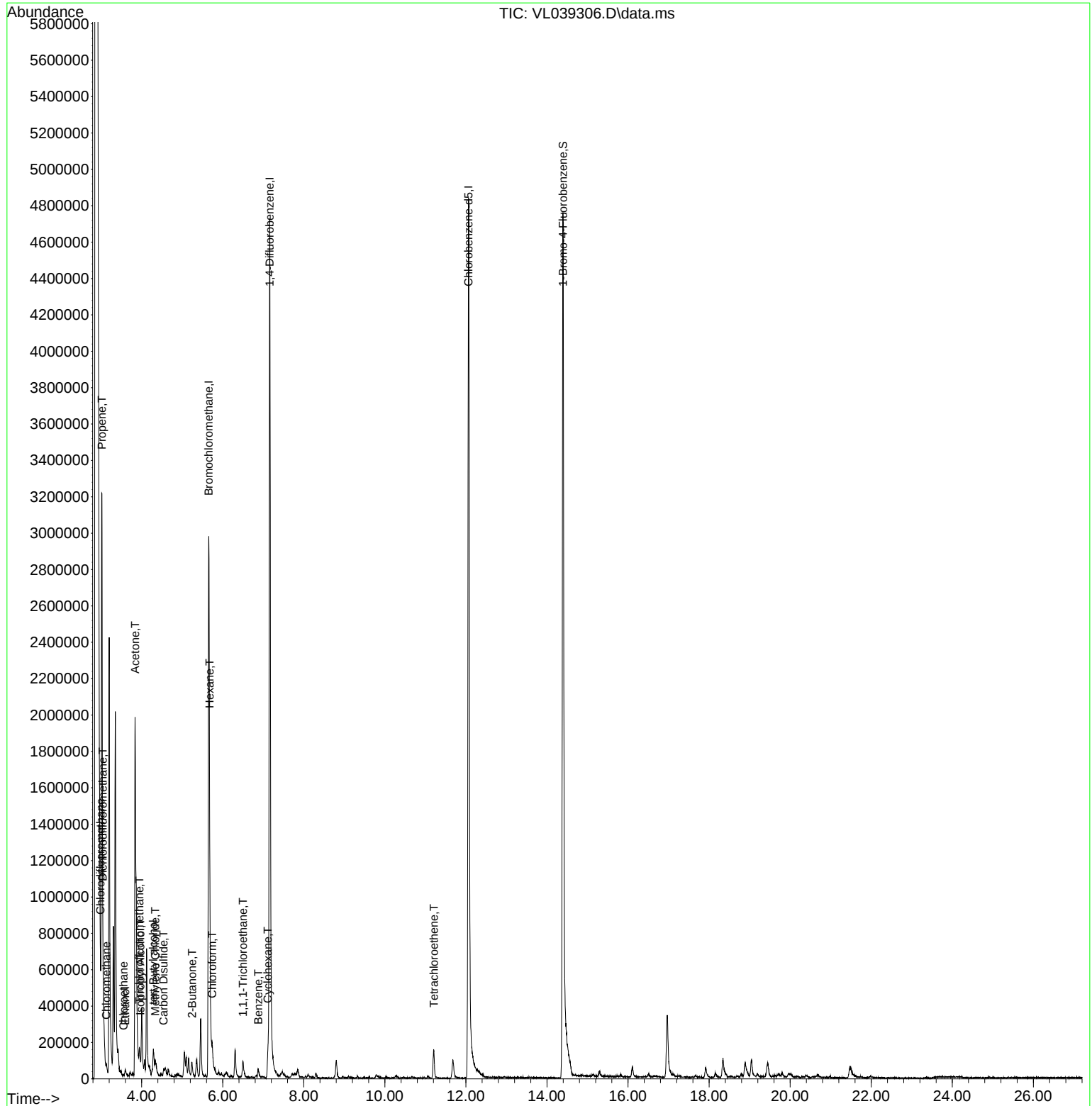
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061522\
Data File : VL039306.D
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Sample : N3326-02 2X
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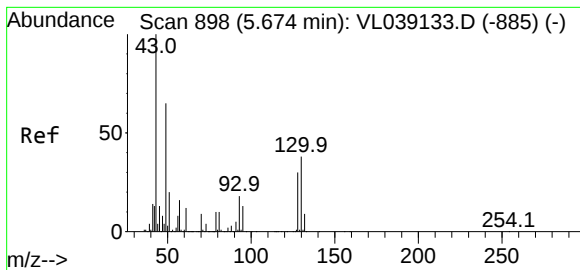
Instrument :
MSVOA_L
ClientSampleId :
S V2

Quant Time: Jun 16 04:37:59 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
APPROVED

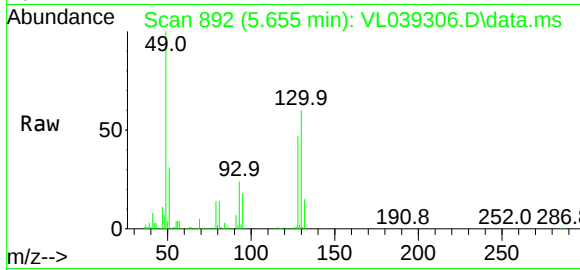
Reviewed By :Semsettin Yesilyurt 06/16/2022
Supervised By :Mahesh Dadoda 06/17/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.655 min Scan# 89
Delta R.T. -0.019 min
Lab File: VL039306.D
Acq: 15 Jun 2022 21:57

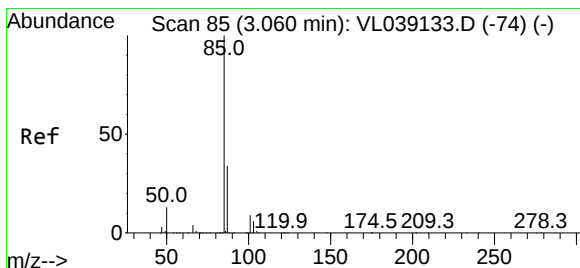
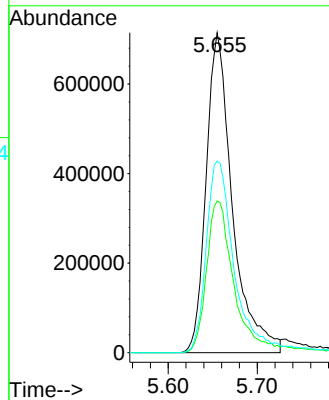
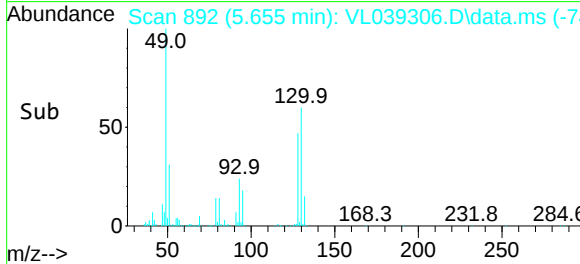
Instrument :
MSVOA_L
ClientSampleId :
SV2



Tgt Ion: 49 Resp: 1463228
Ion Ratio Lower Upper
49 100
128 51.7 24.7 74.1
130 66.3 31.4 94.0

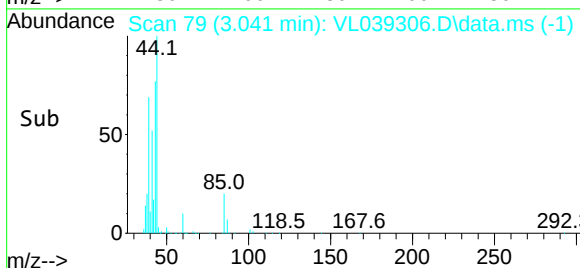
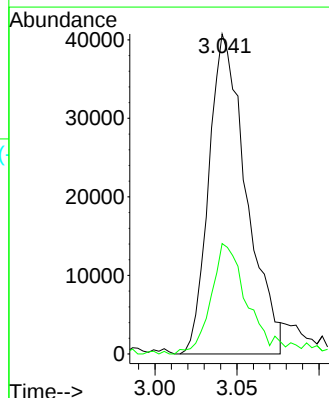
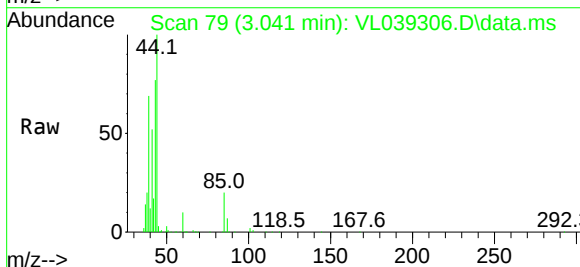
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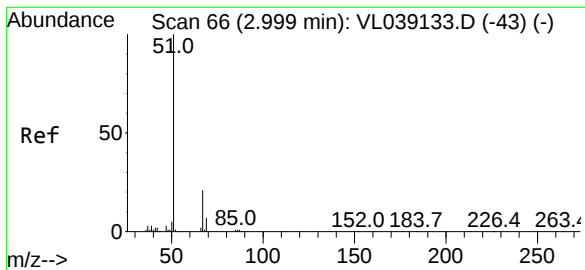
Reviewed By :Semsettin Yesilyurt 06/16/2022
Supervised By :Mahesh Dadoda 06/17/2022



#2
Dichlorodifluoromethane
Concen: 0.252 ppbv
RT: 3.041 min Scan# 79
Delta R.T. -0.019 min
Lab File: VL039306.D
Acq: 15 Jun 2022 21:57

Tgt Ion: 85 Resp: 64874
Ion Ratio Lower Upper
85 100
87 33.1 26.9 40.3





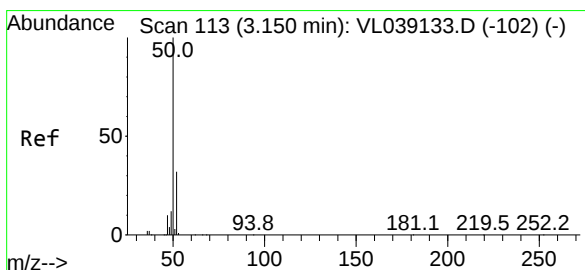
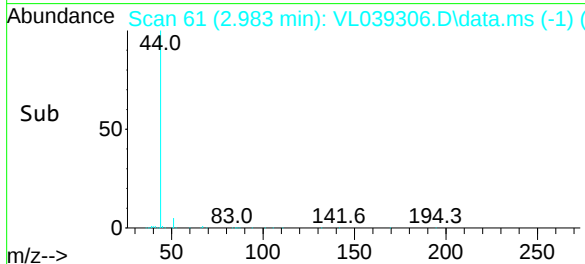
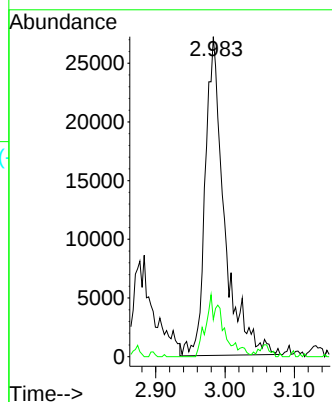
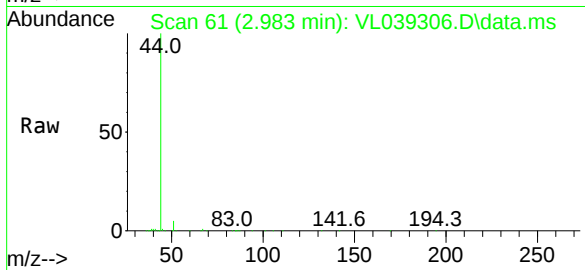
#3
Chlorodifluoromethane
Concen: 0.279 ppbv
RT: 2.983 min Scan# 61
Delta R.T. -0.016 min
Lab File: VL039306.D
Acq: 15 Jun 2022 21:57

Instrument :
MSVOA_L
ClientSampleId :
S V2

Tgt Ion: 51 Resp: 5188
Ion Ratio Lower Upper
51 100
67 17.7 16.2 24.4

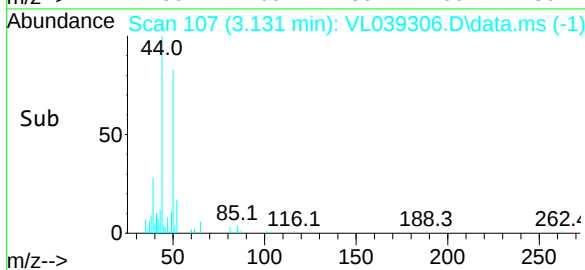
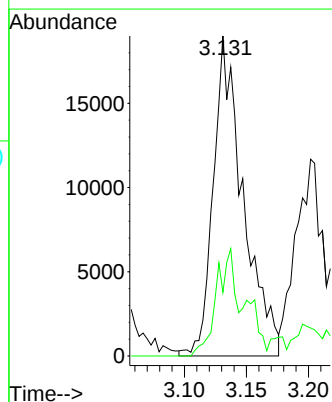
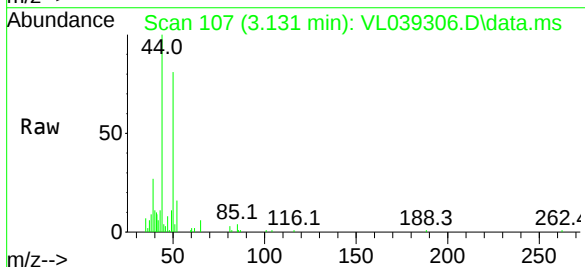
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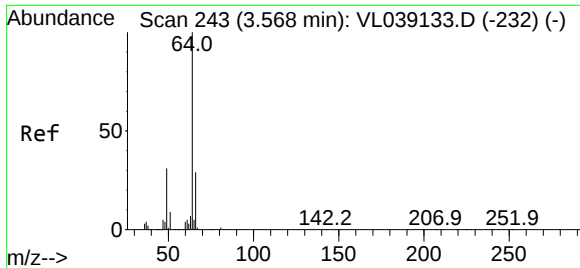
Reviewed By :Semsettin Yesilyurt 06/16/2022
Supervised By :Mahesh Dadoda 06/17/2022



#4
Chloromethane
Concen: 0.333 ppbv m
RT: 3.131 min Scan# 107
Delta R.T. -0.019 min
Lab File: VL039306.D
Acq: 15 Jun 2022 21:57

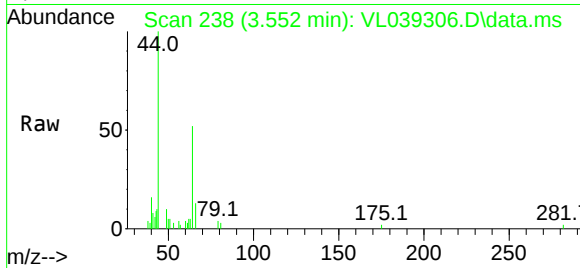
Tgt Ion: 50 Resp: 31825
Ion Ratio Lower Upper
50 100
52 19.9 25.9 38.9#





#7
Chloroethane
Concen: 0.163 ppbv
RT: 3.552 min Scan# 21
Delta R.T. -0.016 min
Lab File: VL039306.D
Acq: 15 Jun 2022 21:57

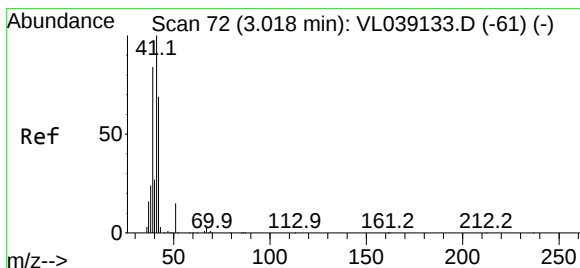
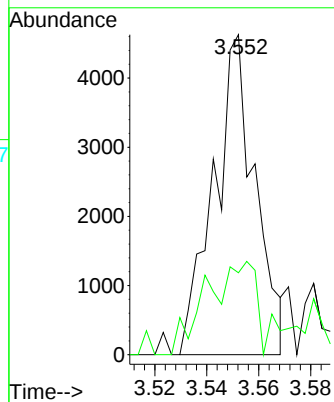
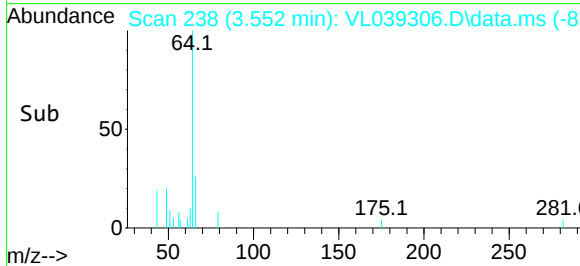
Instrument :
MSVOA_L
ClientSampleId :
SV2



Tgt Ion: 64 Resp: 5092
Ion Ratio Lower Upper
64 100
66 25.6 23.6 35.4

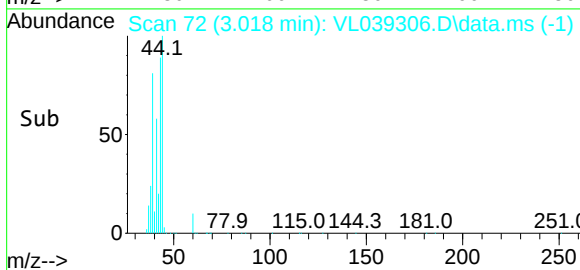
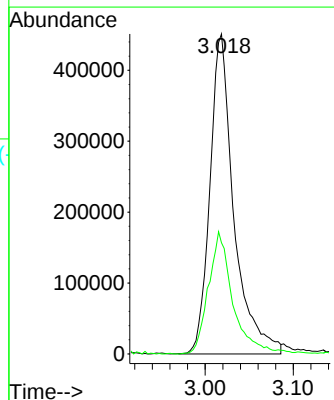
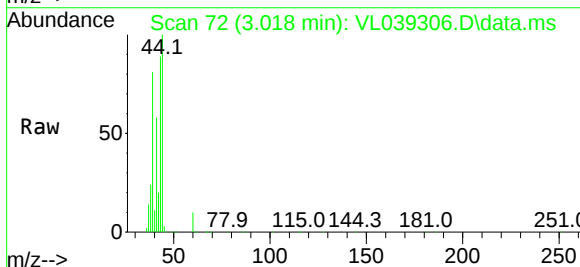
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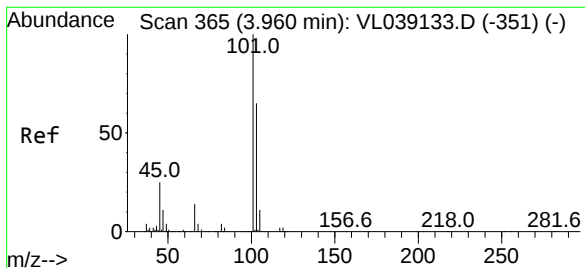
Reviewed By :Semsettin Yesilyurt 06/16/2022
Supervised By :Mahesh Dadoda 06/17/2022



#9
Propene
Concen: 10.508 ppbv m
RT: 3.018 min Scan# 72
Delta R.T. 0.000 min
Lab File: VL039306.D
Acq: 15 Jun 2022 21:57

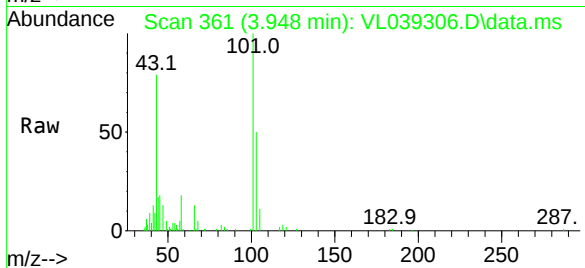
Tgt Ion: 41 Resp: 853044
Ion Ratio Lower Upper
41 100
42 64.2 55.4 83.2





#11
Trichlorofluoromethane
Concen: 0.306 ppbv m
RT: 3.948 min Scan# 30
Delta R.T. -0.013 min
Lab File: VL039306.D
Acq: 15 Jun 2022 21:57

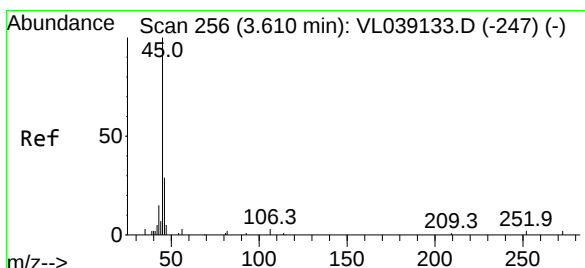
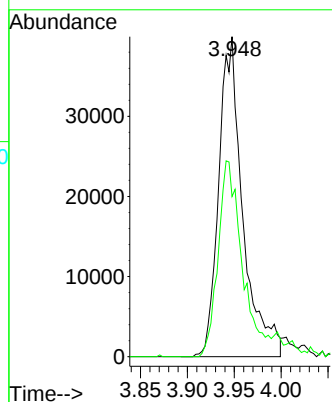
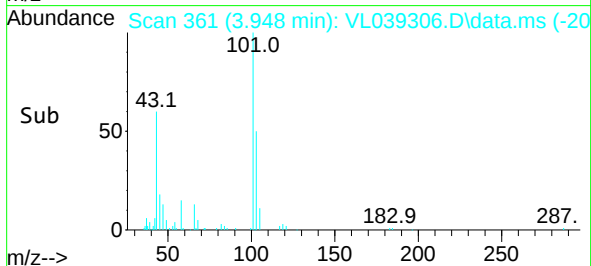
Instrument :
MSVOA_L
ClientSampleId :
SV2



Tgt Ion:101 Resp: 71134
Ion Ratio Lower Upper
101 100
103 50.1 51.7 77.5

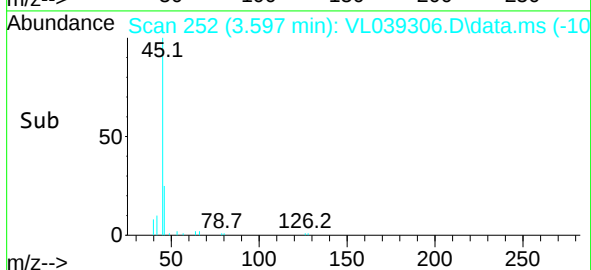
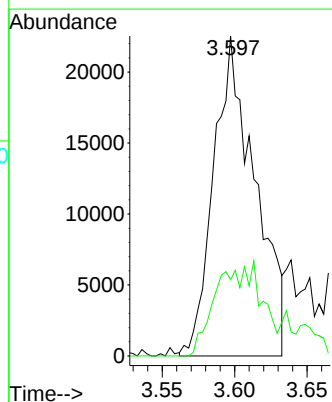
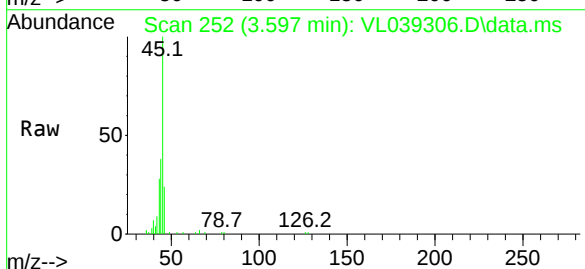
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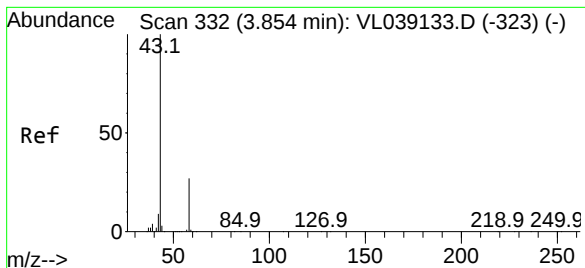
Reviewed By :Semsettin Yesilyurt 06/16/2022
Supervised By :Mahesh Dadoda 06/17/2022



#13
Ethanol
Concen: 10.107 ppbv m
RT: 3.597 min Scan# 252
Delta R.T. -0.013 min
Lab File: VL039306.D
Acq: 15 Jun 2022 21:57

Tgt Ion: 45 Resp: 44744
Ion Ratio Lower Upper
45 100
46 0.0 0.0 0.0





#15

Acetone

Concen: 17.738 ppbv

RT: 3.838 min Scan# 31

Delta R.T. -0.016 min

Lab File: VL039306.D

Acq: 15 Jun 2022 21:57

Instrument :

MSVOA_L

ClientSampleId :

S V2

Tgt Ion: 43 Resp: 2703704

Ion Ratio Lower Upper

43 100

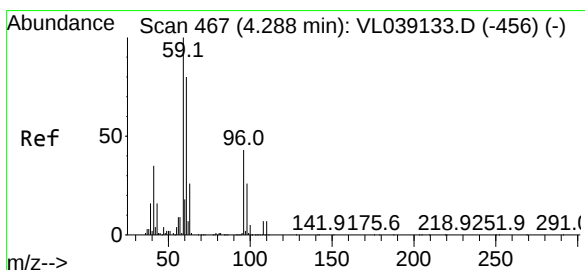
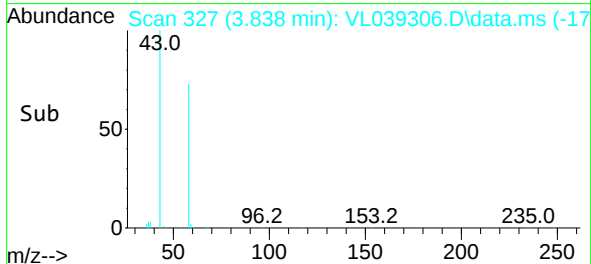
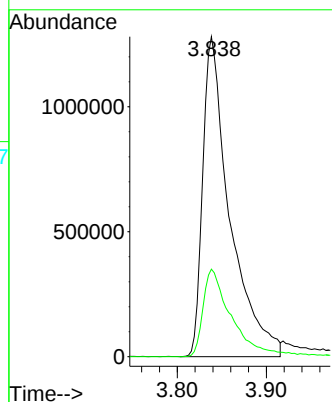
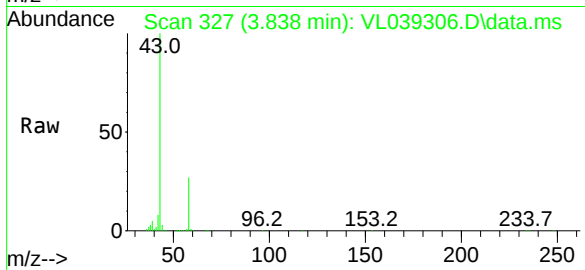
58 29.8 22.5 33.7

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 06/16/2022

Supervised By :Mahesh Dadoda 06/17/2022



#17

tert-Butyl alcohol

Concen: 0.938 ppbv

RT: 4.288 min Scan# 467

Delta R.T. 0.000 min

Lab File: VL039306.D

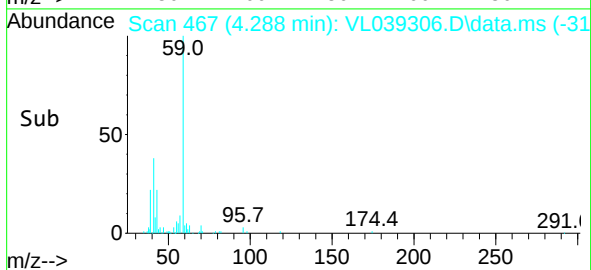
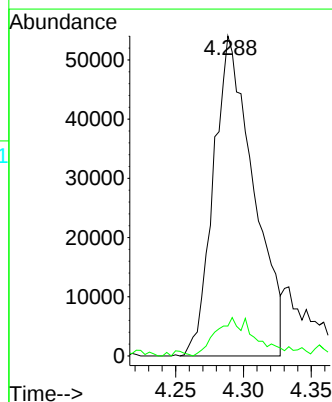
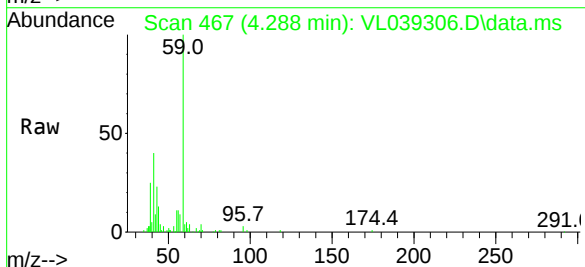
Acq: 15 Jun 2022 21:57

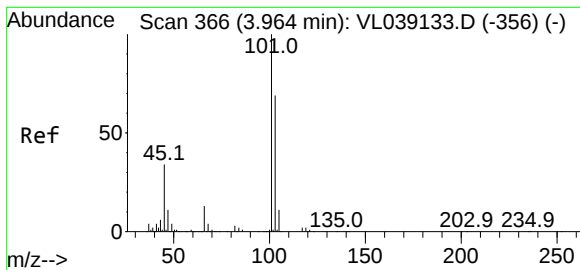
Tgt Ion: 59 Resp: 110909

Ion Ratio Lower Upper

59 100

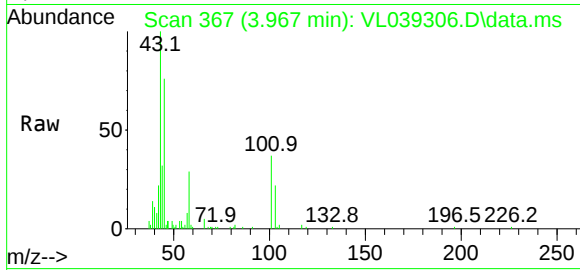
57 14.7 9.1 13.7#





#19
Isopropyl Alcohol
Concen: 0.602 ppbv m
RT: 3.967 min Scan# 30
Delta R.T. 0.003 min
Lab File: VL039306.D
Acq: 15 Jun 2022 21:57

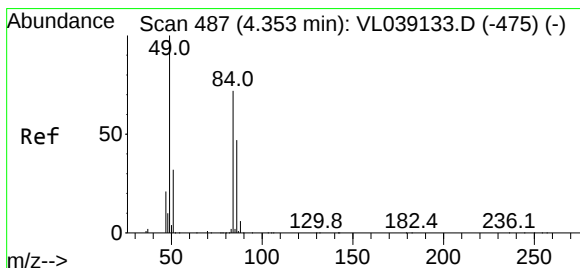
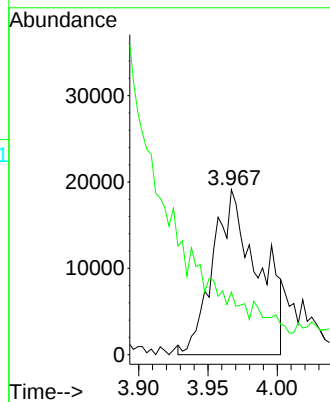
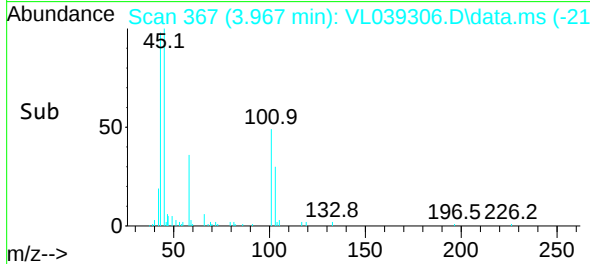
Instrument :
MSVOA_L
ClientSampleId :
SV2



Tgt Ion: 45 Resp: 43069
Ion Ratio Lower Upper
45 100
58 0.0 1.8 2.8

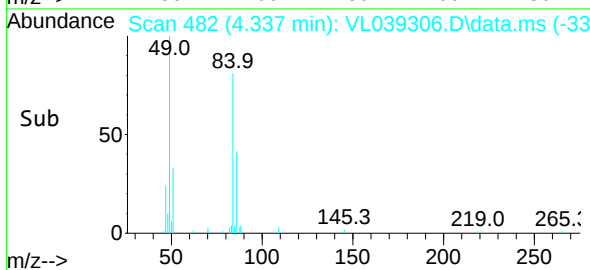
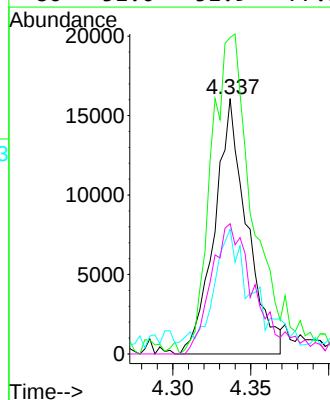
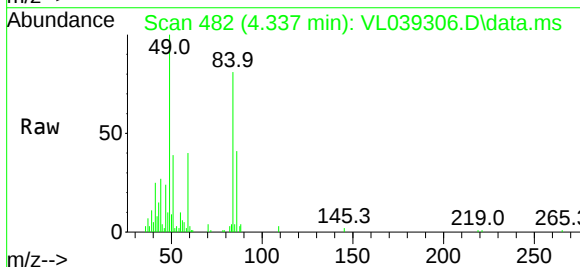
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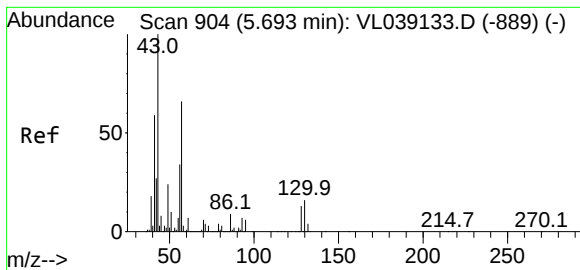
Reviewed By :Semsettin Yesilyurt 06/16/2022
Supervised By :Mahesh Dadoda 06/17/2022



#20
Methylene Chloride
Concen: 0.363 ppbv
RT: 4.337 min Scan# 482
Delta R.T. -0.016 min
Lab File: VL039306.D
Acq: 15 Jun 2022 21:57

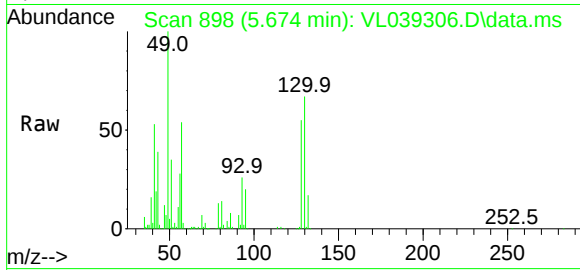
Tgt Ion: 84 Resp: 23289
Ion Ratio Lower Upper
84 100
49 123.9 111.1 166.7
51 44.0 35.3 52.9
86 51.0 51.9 77.9





#26
Hexane
Concen: 1.930 ppbv
RT: 5.674 min Scan# 898
Delta R.T. -0.019 min
Lab File: VL039306.D
Acq: 15 Jun 2022 21:57

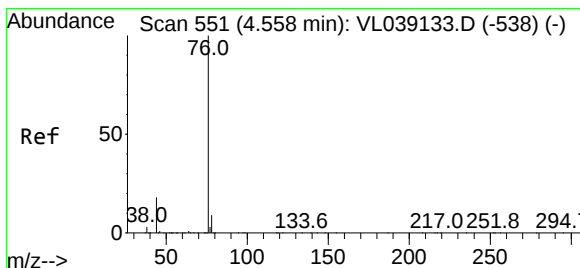
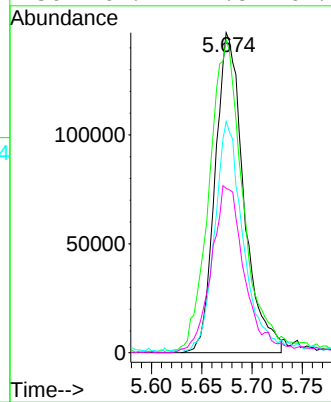
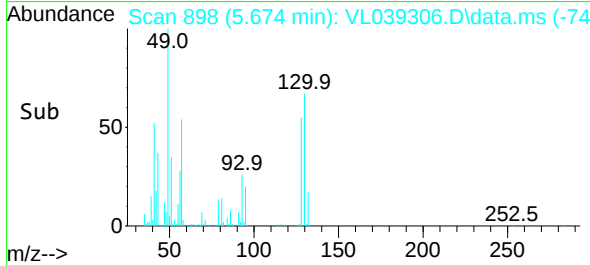
Instrument : MSVOA_L
ClientSampleId : S V2



Tgt Ion: 57 Resp: 291382
Ion Ratio Lower Upper
57 100
41 117.5 72.4 108.6#
43 72.8 187.0 280.6#
56 62.7 41.8 62.6#

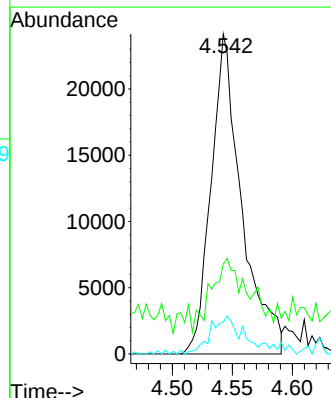
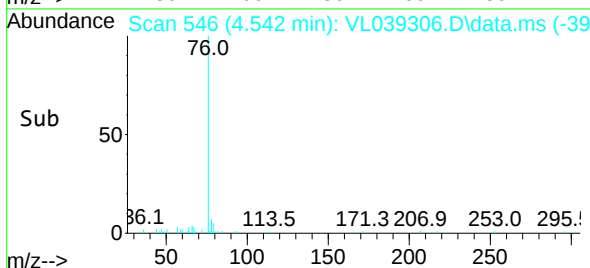
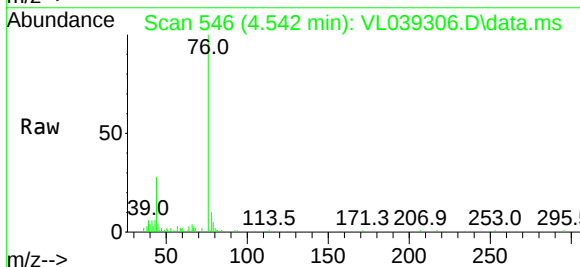
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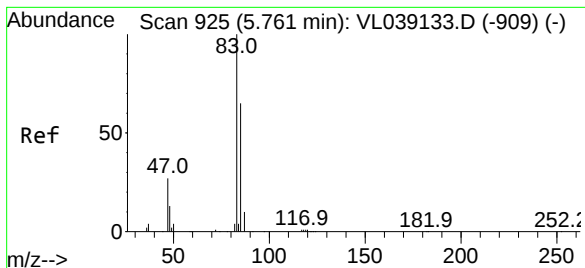
Reviewed By :Semsettin Yesilyurt 06/16/2022
Supervised By :Mahesh Dadoda 06/17/2022



#27
Carbon Disulfide
Concen: 0.274 ppbv
RT: 4.542 min Scan# 546
Delta R.T. -0.016 min
Lab File: VL039306.D
Acq: 15 Jun 2022 21:57

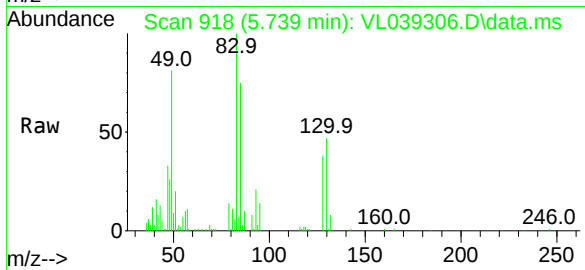
Tgt Ion: 76 Resp: 42804
Ion Ratio Lower Upper
76 100
44 28.2 14.4 21.6#
78 14.7 7.7 11.5#





#29
Chloroform
Concen: 0.231 ppbv
RT: 5.739 min Scan# 918
Delta R.T. -0.022 min
Lab File: VL039306.D
Acq: 15 Jun 2022 21:57

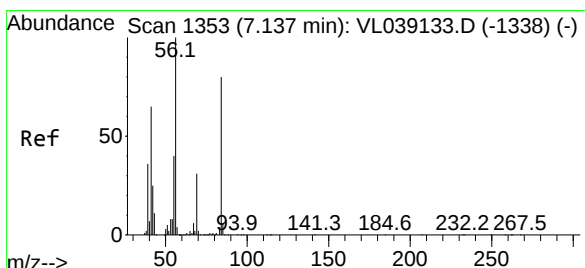
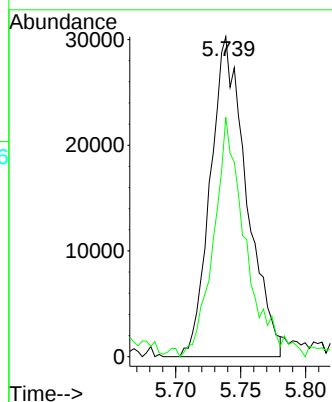
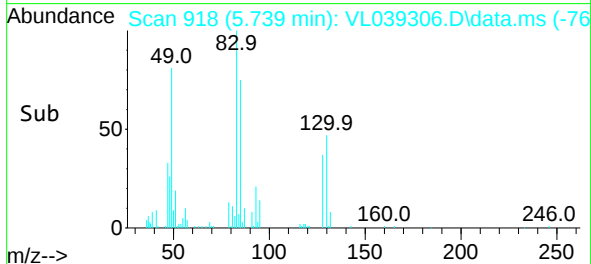
Instrument :
MSVOA_L
ClientSampleId :
SV2



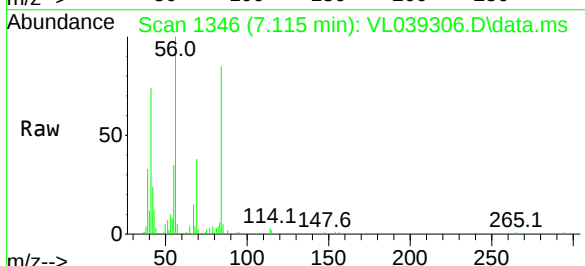
Tgt Ion: 83 Resp: 58629
Ion Ratio Lower Upper
83 100
85 74.8 52.4 78.6

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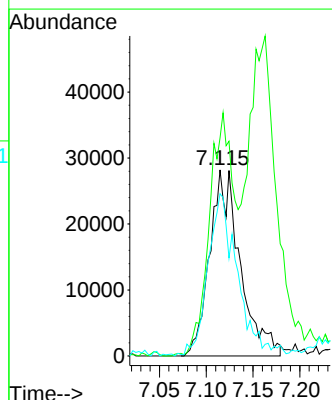
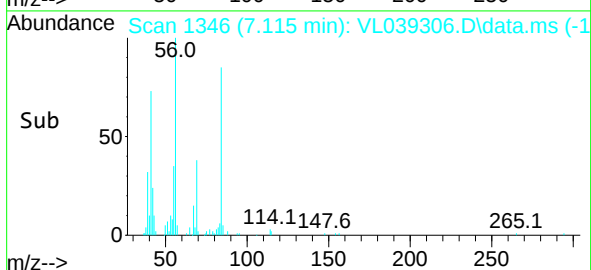
Reviewed By :Semsettin Yesilyurt 06/16/2022
Supervised By :Mahesh Dadoda 06/17/2022

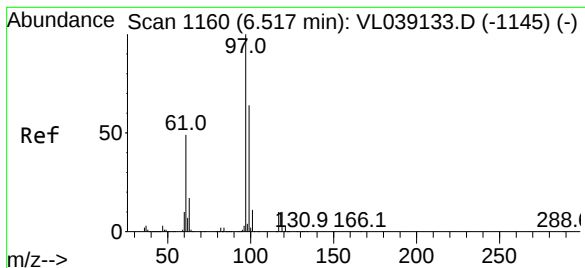


#30
Cyclohexane
Concen: 0.503 ppbv m
RT: 7.115 min Scan# 1346
Delta R.T. -0.022 min
Lab File: VL039306.D
Acq: 15 Jun 2022 21:57



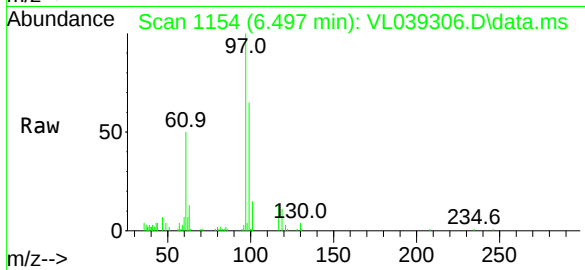
Tgt Ion: 84 Resp: 63744
Ion Ratio Lower Upper
84 100
56 105.3 110.6 165.8#
41 85.4 68.9 103.3





#32
1,1,1-Trichloroethane
Concen: 0.236 ppbv m
RT: 6.497 min Scan# 1160
Delta R.T. -0.019 min
Lab File: VL039306.D
Acq: 15 Jun 2022 21:57

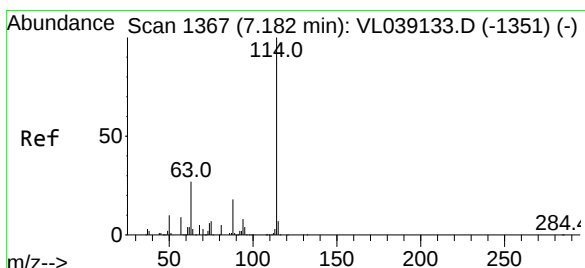
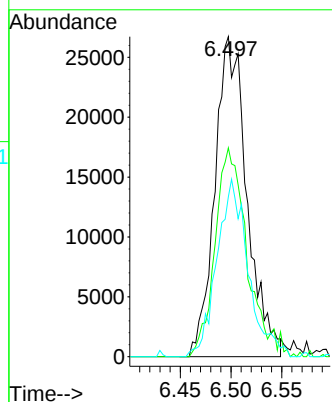
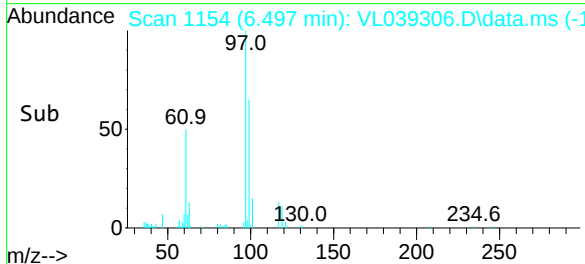
Instrument :
MSVOA_L
ClientSampleId :
SV2



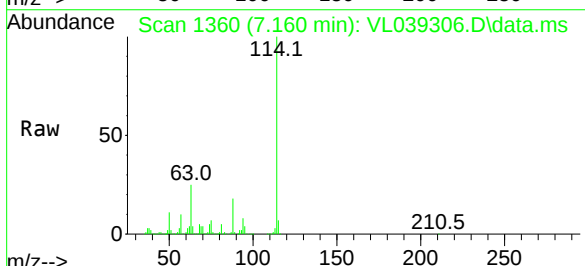
Tgt Ion: 97 Resp: 58649
Ion Ratio Lower Upper
97 100
99 65.5 52.1 78.1
61 54.3 40.0 60.0

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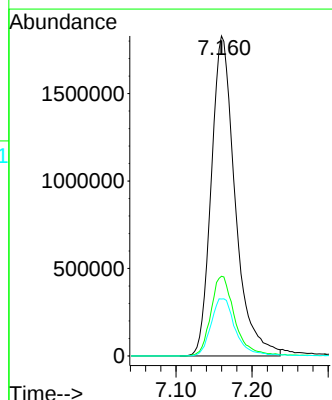
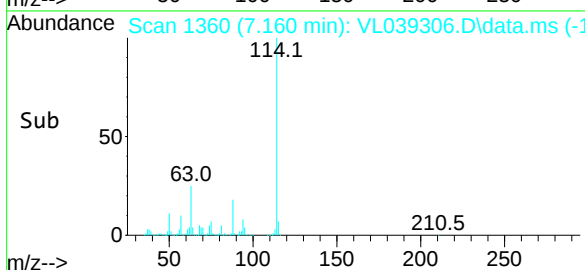
Reviewed By :Semsettin Yesilyurt 06/16/2022
Supervised By :Mahesh Dadoda 06/17/2022

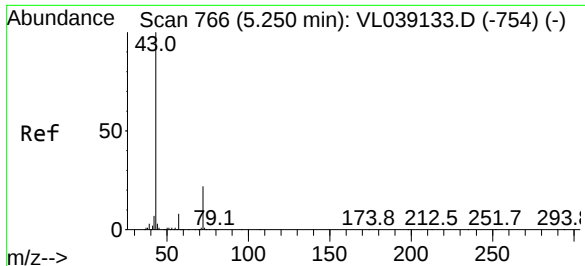


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.160 min Scan# 1360
Delta R.T. -0.022 min
Lab File: VL039306.D
Acq: 15 Jun 2022 21:57



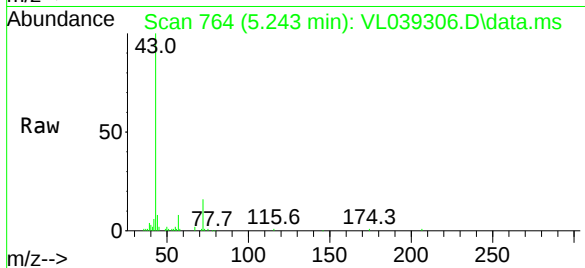
Tgt Ion:114 Resp: 3992412
Ion Ratio Lower Upper
114 100
63 25.5 21.7 32.5
88 18.5 14.8 22.2





#34
2-Butanone
Concen: 0.533 ppbv m
RT: 5.243 min Scan# 764
Delta R.T. -0.006 min
Lab File: VL039306.D
Acq: 15 Jun 2022 21:57

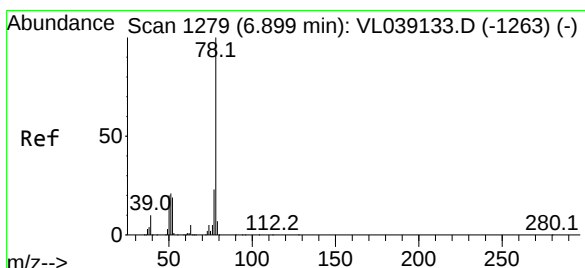
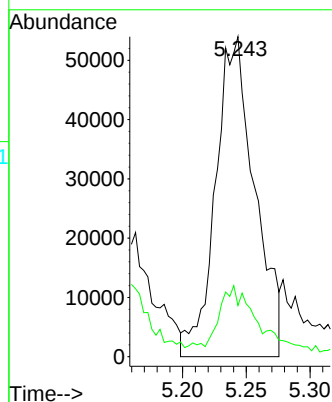
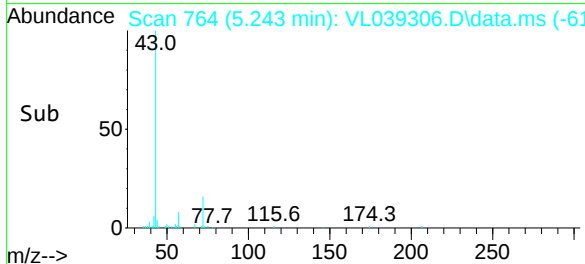
Instrument :
MSVOA_L
ClientSampleId :
SV2



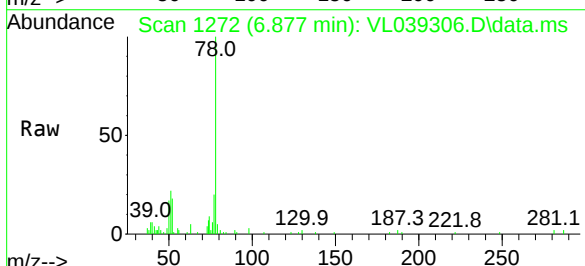
Tgt Ion: 43 Resp: 115662
Ion Ratio Lower Upper
43 100
72 0.0 18.2 27.2

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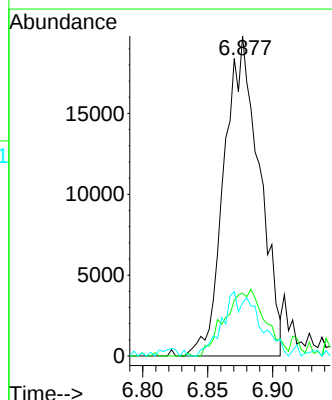
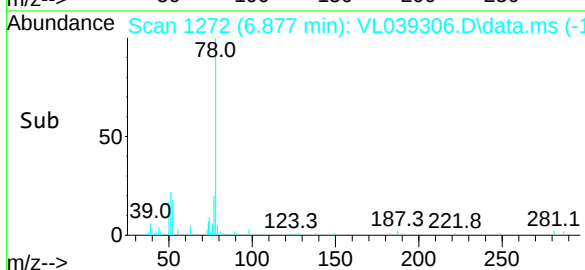
Reviewed By :Semsettin Yesilyurt 06/16/2022
Supervised By :Mahesh Dadoda 06/17/2022

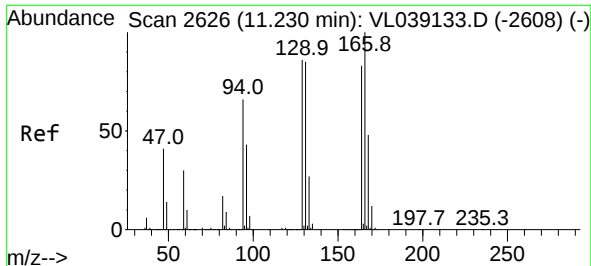


#36
Benzene
Concen: 0.115 ppbv
RT: 6.877 min Scan# 1272
Delta R.T. -0.022 min
Lab File: VL039306.D
Acq: 15 Jun 2022 21:57



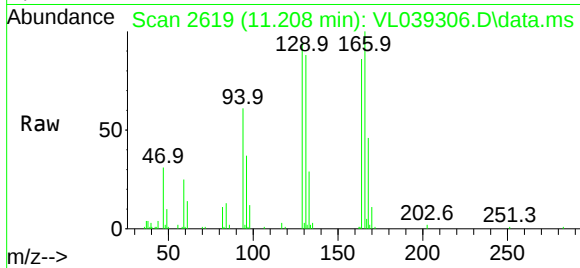
Tgt Ion: 78 Resp: 37376
Ion Ratio Lower Upper
78 100
77 19.6 18.6 27.8
50 16.7 15.8 23.8





#52
Tetrachloroethene
Concen: 0.323 ppbv m
RT: 11.208 min Scan# 21
Delta R.T. -0.022 min
Lab File: VL039306.D
Acq: 15 Jun 2022 21:57

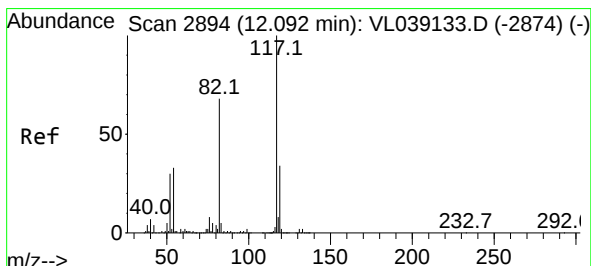
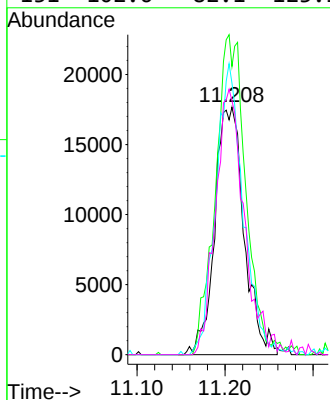
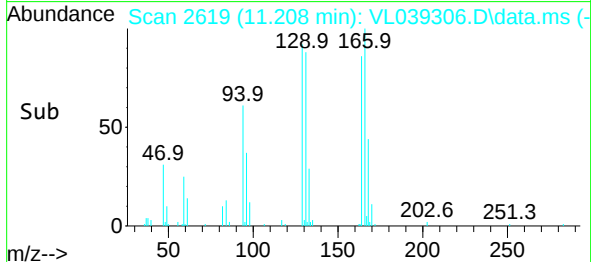
Instrument :
MSVOA_L
ClientSampleId :
S V2



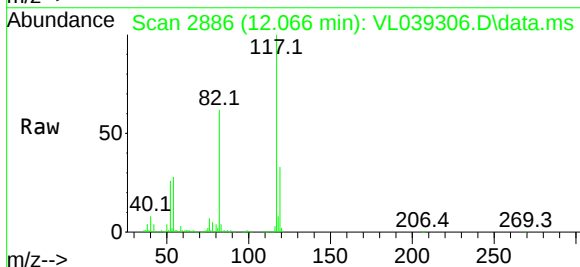
Tgt Ion:164 Resp: 40862
Ion Ratio Lower Upper
164 100
166 116.4 96.3 144.5
129 109.7 82.5 123.7
131 102.6 82.1 123.1

Manual Integrations
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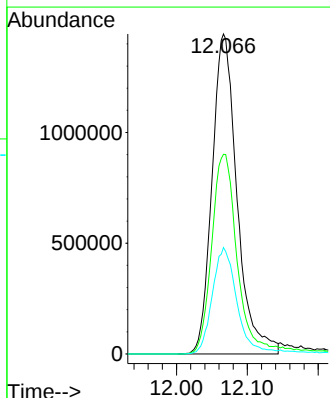
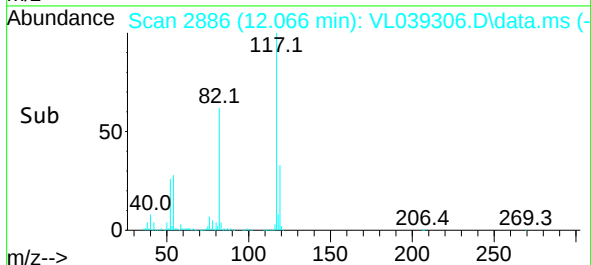
Reviewed By :Semsettin Yesilyurt 06/16/2022
Supervised By :Mahesh Dadoda 06/17/2022

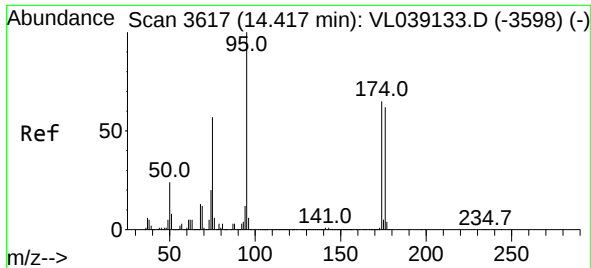


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.066 min Scan# 2886
Delta R.T. -0.026 min
Lab File: VL039306.D
Acq: 15 Jun 2022 21:57



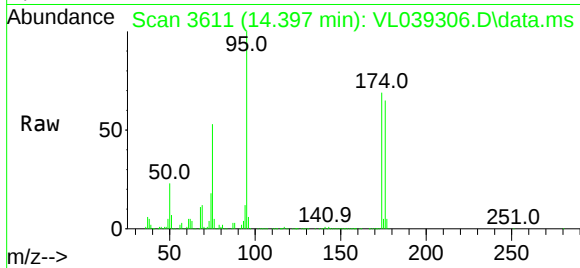
Tgt Ion:117 Resp: 3543189
Ion Ratio Lower Upper
117 100
82 66.1 55.1 82.7
119 34.1 24.7 37.1





#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.992 ppbv
 RT: 14.397 min Scan# 30
 Delta R.T. -0.019 min
 Lab File: VL039306.D
 Acq: 15 Jun 2022 21:57

Instrument :
 MSVOA_L
 ClientSampleId :
 S V2



Tgt Ion: 95 Resp: 2634130
 Ion Ratio Lower Upper
 95 100
 174 74.4 53.8 80.8
 175 5.7 4.1 6.1

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 06/16/2022
 Supervised By :Mahesh Dadoda 06/17/2022

