

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL062422\
 Data File : VL039348.D
 Acq On : 24 Jun 2022 19:43
 Operator : SY/AP
 Sample : N3453-05DUP
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-1DUP

Manual Integrations
 APPROVED

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

Quant Time: Jun 27 01:52:45 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	1072791	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	7.169	114	2974573	10.000	ppbv	-0.01
55) Chlorobenzene-d5	12.076	117	2688805	10.000	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.407	95	2021975	9.096	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	91.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	3.047	85	36997	0.196	ppbv	99
3) Chlorodifluoromethane	2.983	51	69281	0.508	ppbv #	88
4) Chloromethane	3.137	50	19376m	0.276	ppbv	
9) Propene	3.021	41	24606	0.413	ppbv	88
11) Trichlorofluoromethane	3.951	101	39890	0.234	ppbv	98
13) Ethanol	3.591	45	1515962	467.038	ppbv #	100
15) Acetone	3.845	43	504920	4.518	ppbv	97
17) tert-Butyl alcohol	4.288	59	13907m	0.160	ppbv	
19) Isopropyl Alcohol	3.964	45	40172m	0.766	ppbv	
20) Methylene Chloride	4.340	84	421205	8.944	ppbv	93
26) Hexane	5.684	57	400567	3.619	ppbv #	39
34) 2-Butanone	5.240	43	126253	0.781	ppbv	91
35) Carbon Tetrachloride	7.015	117	10773m	0.050	ppbv	
50) 4-Methyl-2-Pentanone	8.745	43	119511m	0.494	ppbv	
51) 2-Hexanone	10.140	43	61208m	0.325	ppbv	
52) Tetrachloroethene	11.214	164	4943m	0.052	ppbv	
53) Toluene	9.799	91	250698	0.902	ppbv	98
74) 1,2,4-Trimethylbenzene	16.754	105	64828m	0.179	ppbv	

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

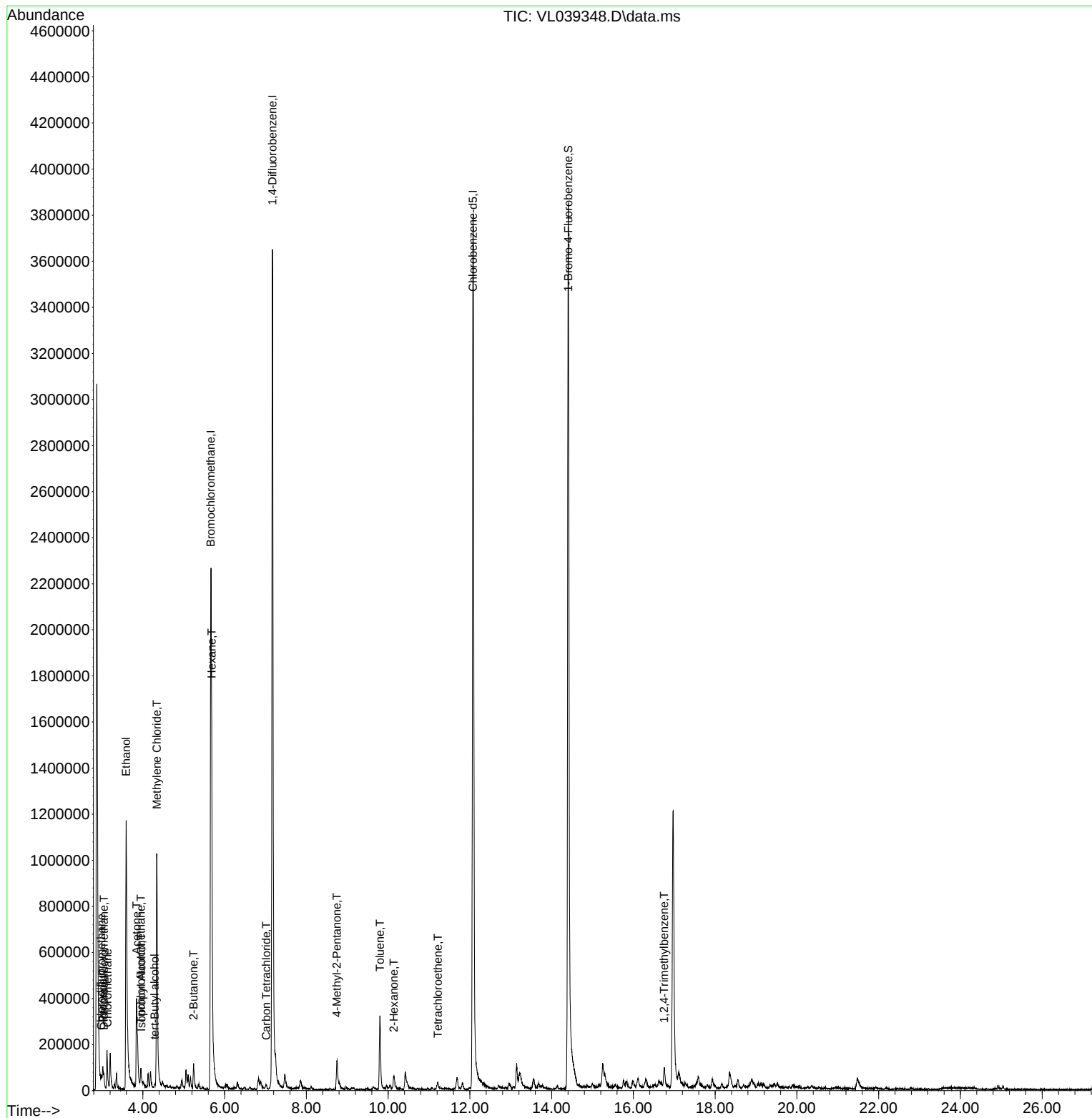
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL062422\
Data File : VL039348.D
Acq On : 24 Jun 2022 19:43
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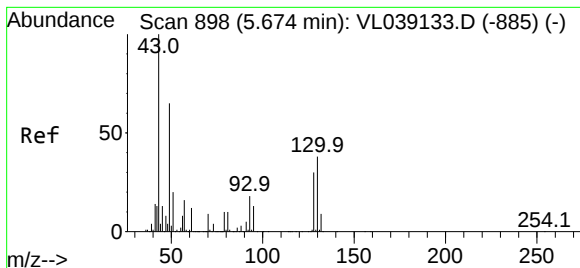
Instrument :
MSVOA_L
ClientSampleId :
IA-1DUP

Quant Time: Jun 27 01:52:45 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

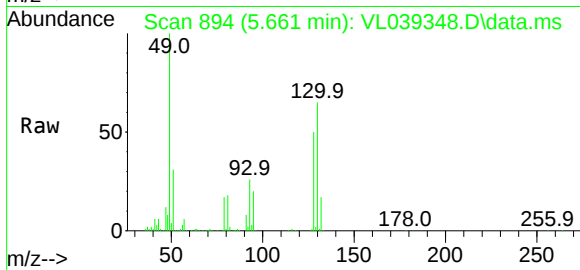
Reviewed By :Semsettin Yesilyurt 06/27/2022
Supervised By :Mahesh Dadoda 06/30/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.661 min Scan# 89
Delta R.T. -0.013 min
Lab File: VL039348.D
Acq: 24 Jun 2022 19:43

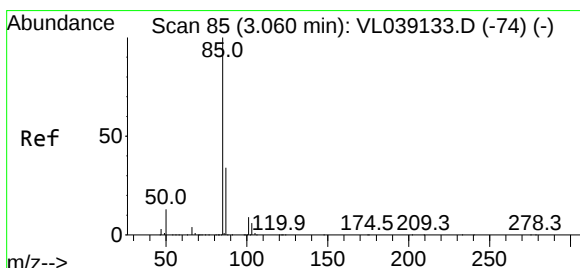
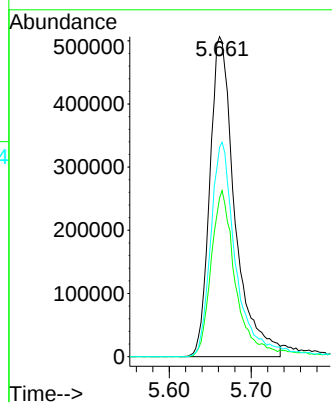
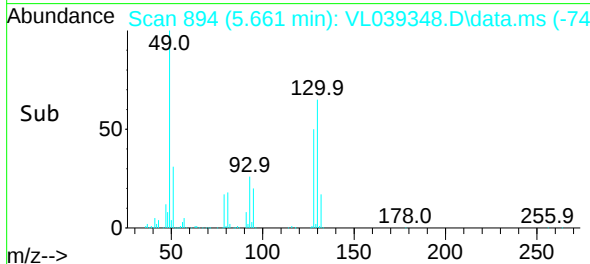
Instrument :
MSVOA_L
ClientSampleId :
IA-1DUP



Tgt Ion: 49 Resp: 107279
Ion Ratio Lower Upper
49 100
128 52.8 24.7 74.1
130 69.8 31.4 94.0

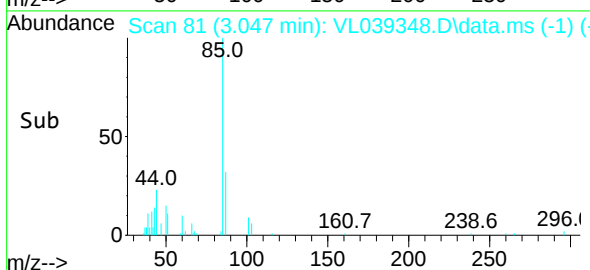
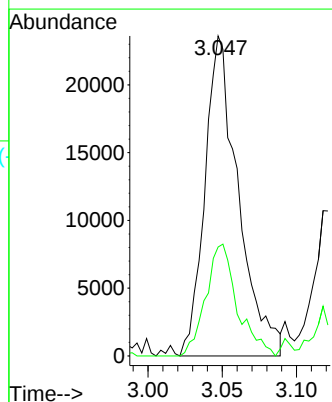
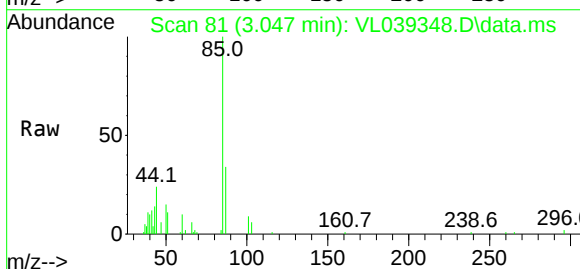
Manual Integrations
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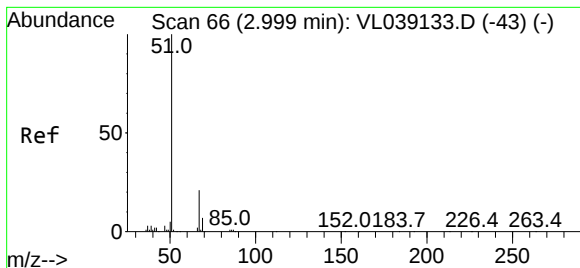
Reviewed By :Semsettin Yesilyurt 06/27/2022
Supervised By :Mahesh Dadoda 06/30/2022



#2
Dichlorodifluoromethane
Concen: 0.196 ppbv
RT: 3.047 min Scan# 81
Delta R.T. -0.013 min
Lab File: VL039348.D
Acq: 24 Jun 2022 19:43

Tgt Ion: 85 Resp: 36997
Ion Ratio Lower Upper
85 100
87 34.1 26.9 40.3





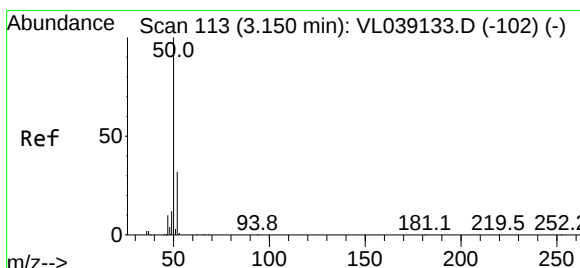
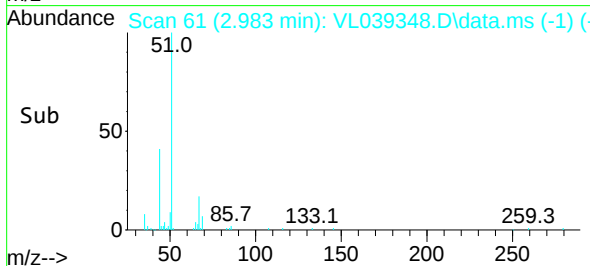
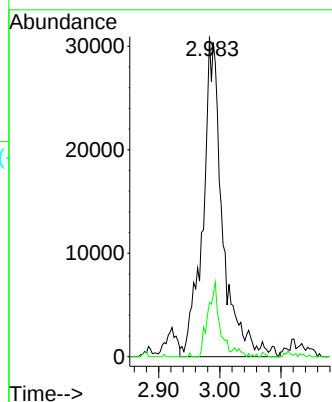
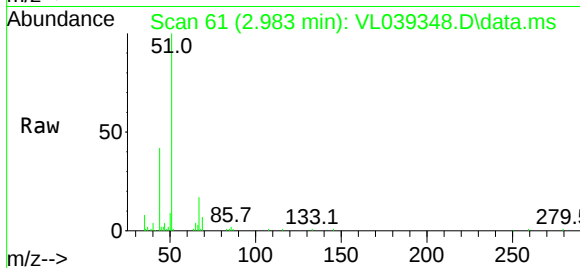
#3
Chlorodifluoromethane
Concen: 0.508 ppbv
RT: 2.983 min Scan# 61
Delta R.T. -0.016 min
Lab File: VL039348.D
Acq: 24 Jun 2022 19:43

Instrument :
MSVOA_L
ClientSampleId :
IA-1DUP

Tgt Ion: 51 Resp: 6928
Ion Ratio Lower Upper
51 100
67 14.8 16.2 24.4

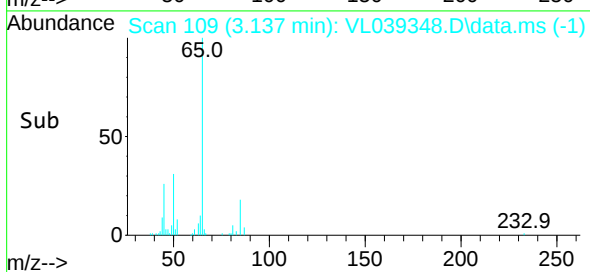
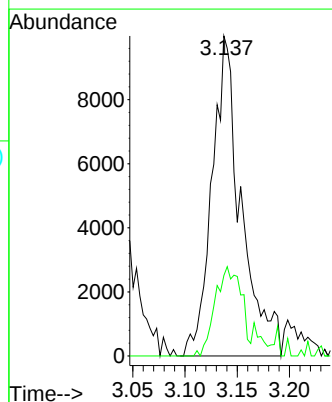
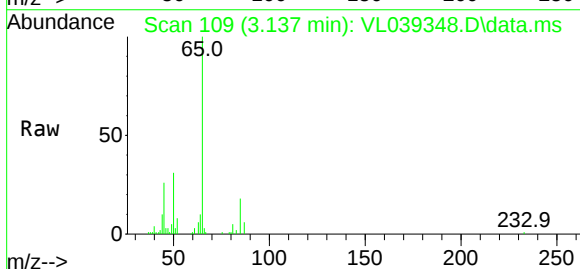
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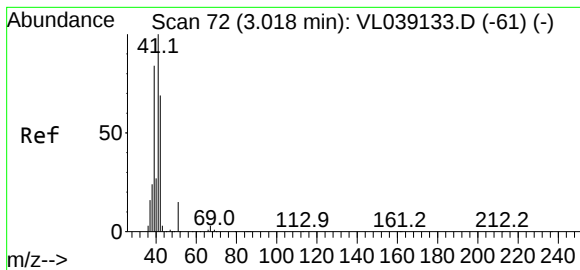
Reviewed By :Semsettin Yesilyurt 06/27/2022
Supervised By :Mahesh Dadoda 06/30/2022



#4
Chloromethane
Concen: 0.276 ppbv m
RT: 3.137 min Scan# 109
Delta R.T. -0.013 min
Lab File: VL039348.D
Acq: 24 Jun 2022 19:43

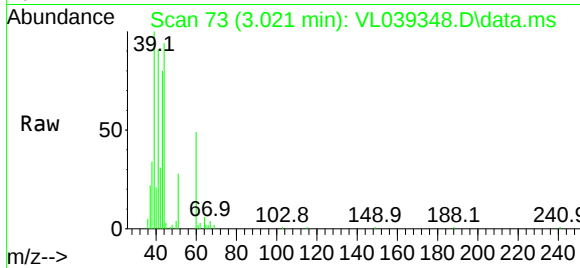
Tgt Ion: 50 Resp: 19376
Ion Ratio Lower Upper
50 100
52 25.2 25.9 38.9





#9
Propene
Concen: 0.413 ppbv
RT: 3.021 min Scan# 71
Delta R.T. 0.003 min
Lab File: VL039348.D
Acq: 24 Jun 2022 19:43

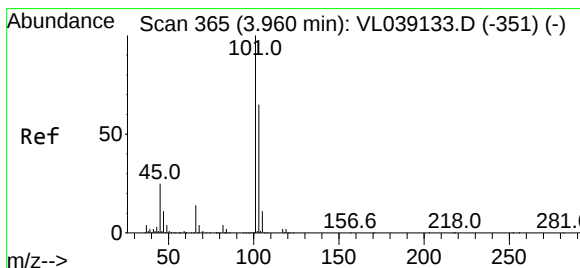
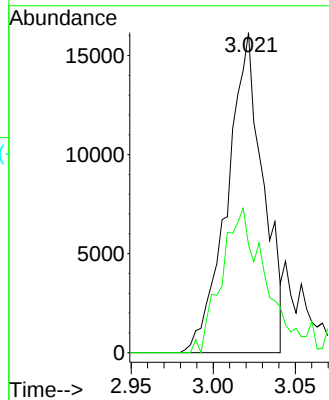
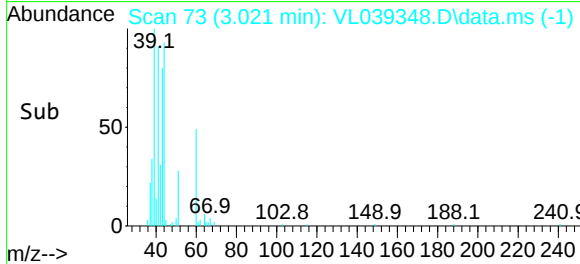
Instrument :
MSVOA_L
ClientSampleId :
IA-1DUP



Tgt Ion: 41 Resp: 24600
Ion Ratio Lower Upper
41 100
42 59.7 55.4 83.2

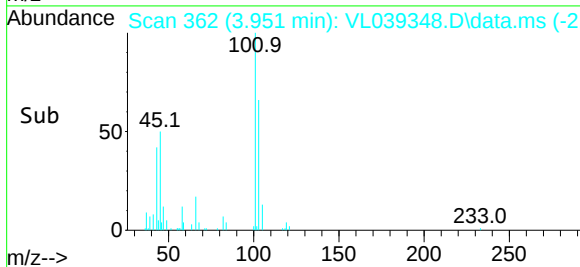
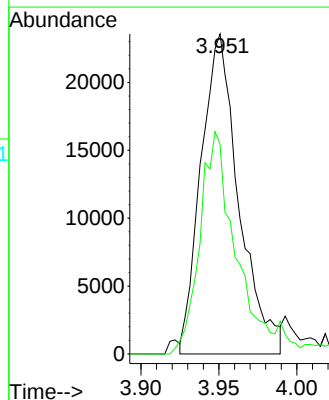
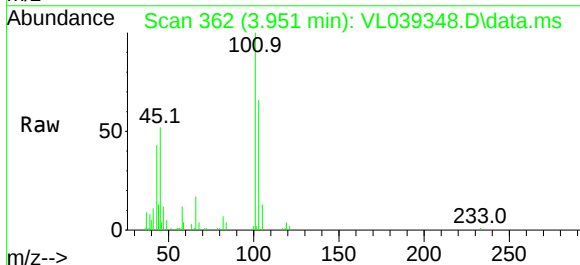
Manual Integrations
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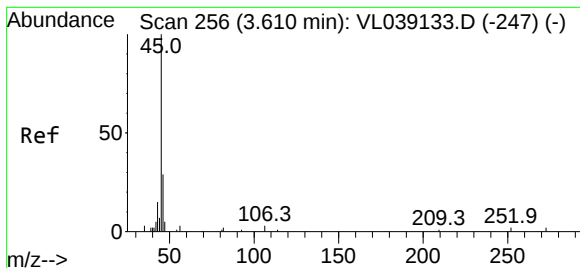
Reviewed By :Semsettin Yesilyurt 06/27/2022
Supervised By :Mahesh Dadoda 06/30/2022



#11
Trichlorofluoromethane
Concen: 0.234 ppbv
RT: 3.951 min Scan# 362
Delta R.T. -0.010 min
Lab File: VL039348.D
Acq: 24 Jun 2022 19:43

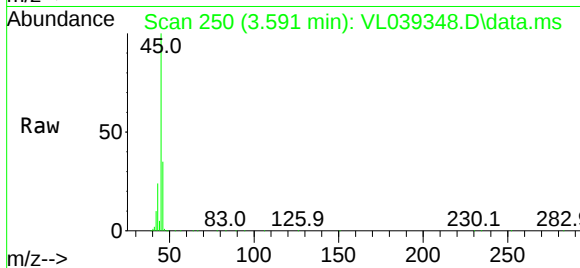
Tgt Ion:101 Resp: 39890
Ion Ratio Lower Upper
101 100
103 63.4 51.7 77.5





#13
Ethanol
Concen: 467.038 ppbv
RT: 3.591 min Scan# 215
Delta R.T. -0.019 min
Lab File: VL039348.D
Acq: 24 Jun 2022 19:43

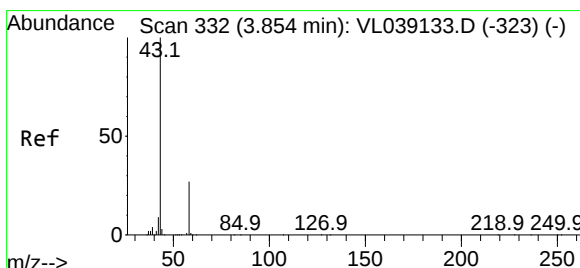
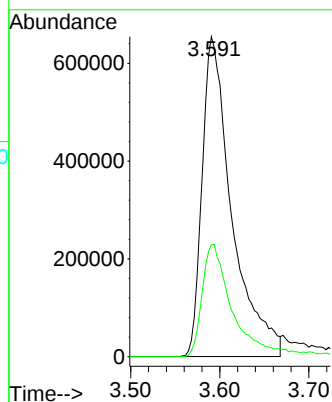
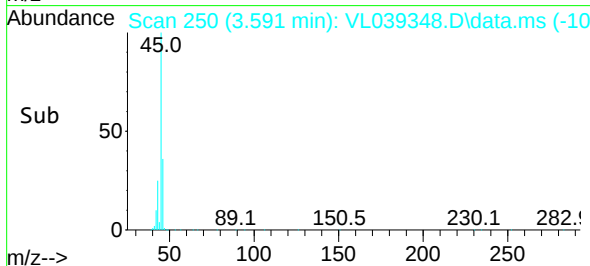
Instrument :
MSVOA_L
ClientSampleId :
IA-1DUP



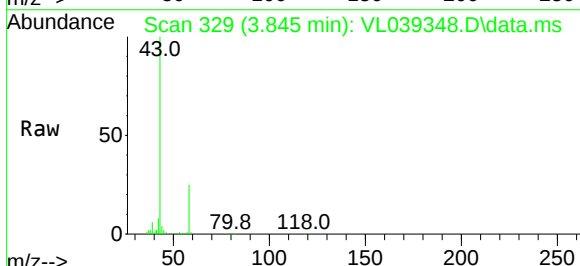
Tgt Ion: 45 Resp: 1515962
Ion Ratio Lower Upper
45 100
46 37.6 0.0 0.0

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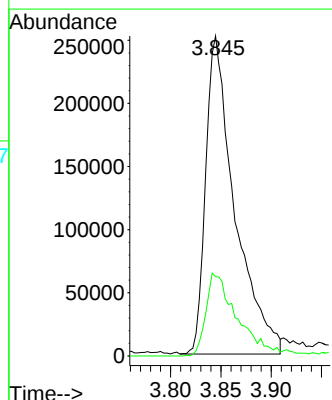
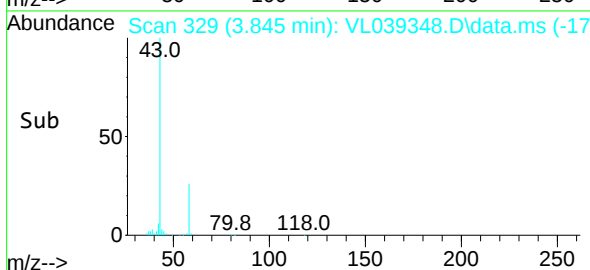
Reviewed By :Semsettin Yesilyurt 06/27/2022
Supervised By :Mahesh Dadoda 06/30/2022

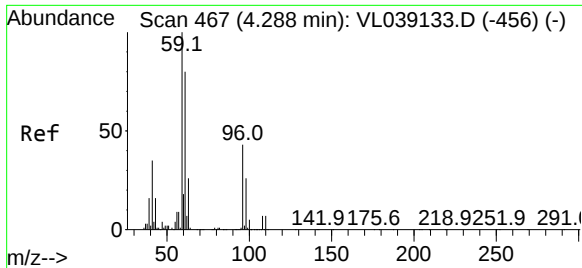


#15
Acetone
Concen: 4.518 ppbv
RT: 3.845 min Scan# 329
Delta R.T. -0.010 min
Lab File: VL039348.D
Acq: 24 Jun 2022 19:43



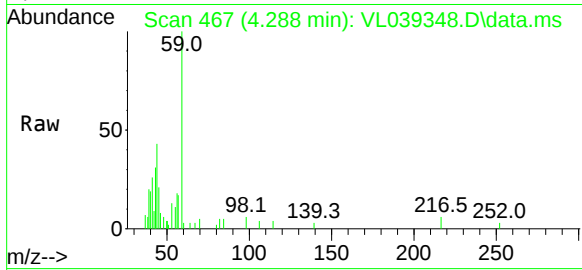
Tgt Ion: 43 Resp: 504920
Ion Ratio Lower Upper
43 100
58 29.8 22.5 33.7





#17
tert-Butyl alcohol
Concen: 0.160 ppbv m
RT: 4.288 min Scan# 467
Delta R.T. -0.000 min
Lab File: VL039348.D
Acq: 24 Jun 2022 19:43

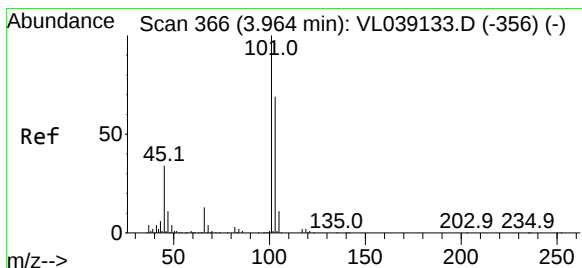
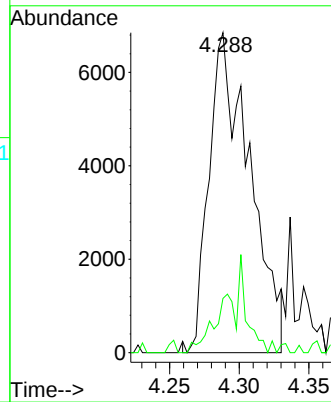
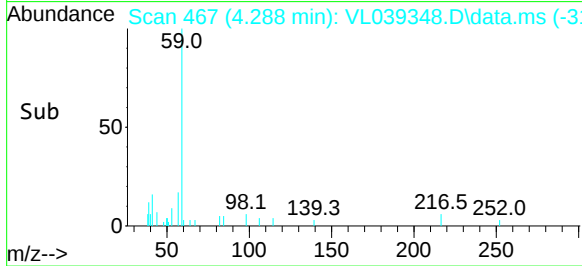
Instrument :
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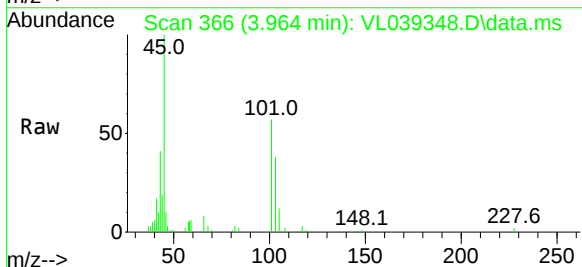
Tgt Ion: 59 Resp: 1390
Ion Ratio Lower Upper
59 100
57 0.0 9.1 13.7

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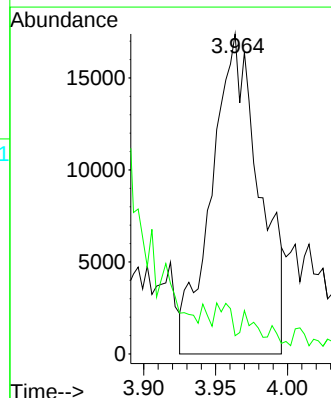
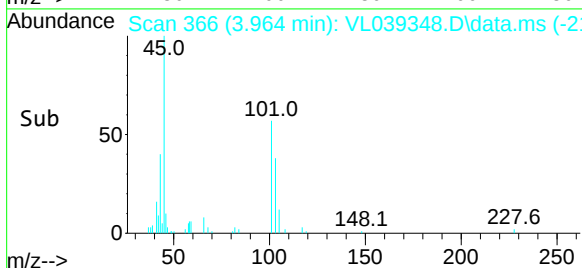
Reviewed By :Semsettin Yesilyurt 06/27/2022
Supervised By :Mahesh Dadoda 06/30/2022

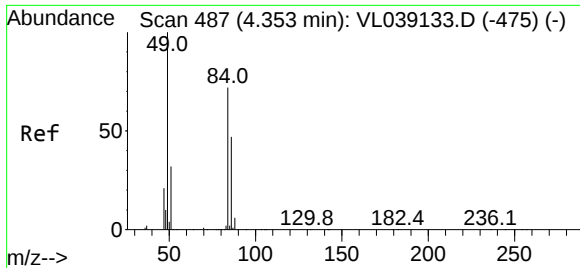


#19
Isopropyl Alcohol
Concen: 0.766 ppbv m
RT: 3.964 min Scan# 366
Delta R.T. -0.000 min
Lab File: VL039348.D
Acq: 24 Jun 2022 19:43



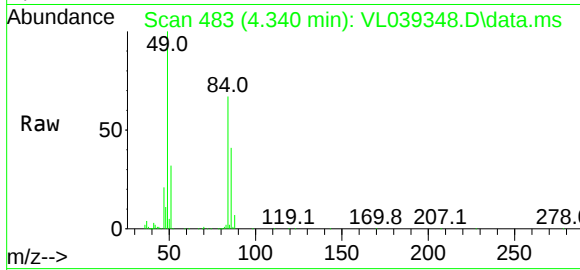
Tgt Ion: 45 Resp: 40172
Ion Ratio Lower Upper
45 100
58 362.8 1.8 2.8





#20
Methylene Chloride
Concen: 8.944 ppbv
RT: 4.340 min Scan# 41
Delta R.T. -0.013 min
Lab File: VL039348.D
Acq: 24 Jun 2022 19:43

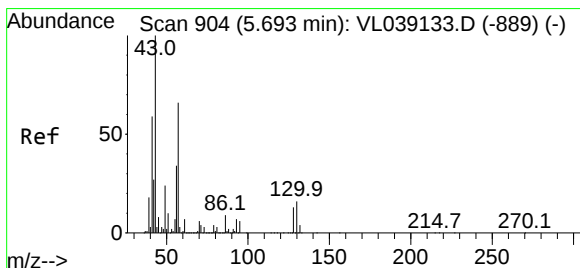
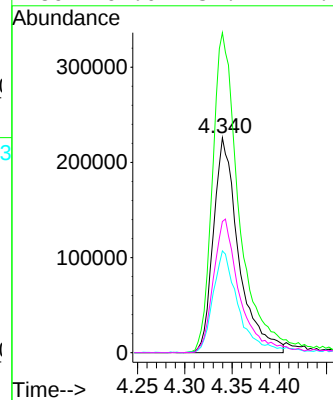
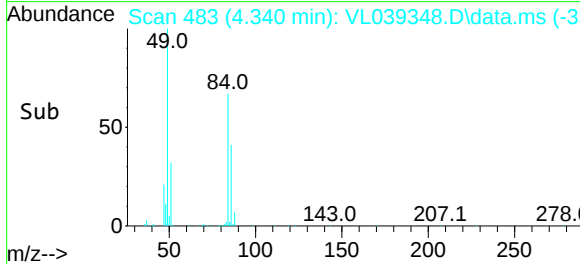
Instrument :
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Tgt Ion: 84 Resp: 421205
Ion Ratio Lower Upper
84 100
49 148.8 111.1 166.7
51 47.2 35.3 52.9
86 61.0 51.9 77.9

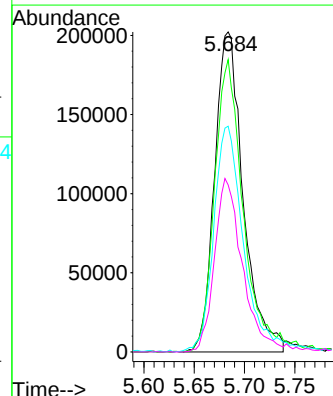
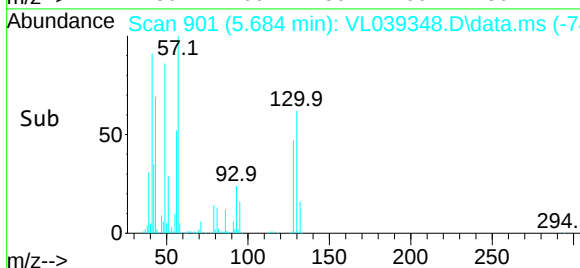
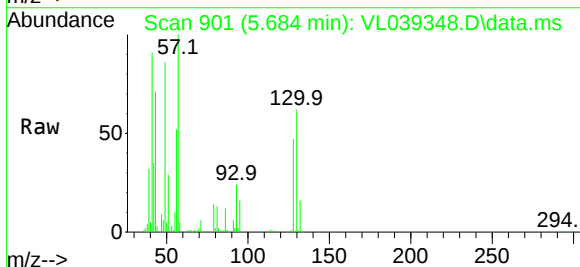
Manual Integrations
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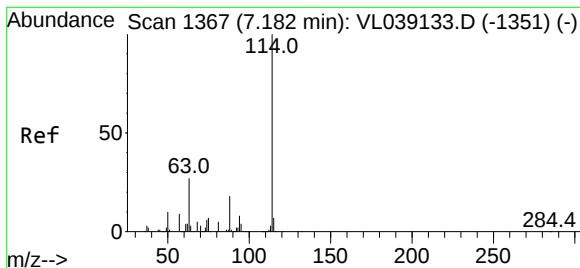
Reviewed By :Semsettin Yesilyurt 06/27/2022
Supervised By :Mahesh Dadoda 06/30/2022



#26
Hexane
Concen: 3.619 ppbv
RT: 5.684 min Scan# 901
Delta R.T. -0.010 min
Lab File: VL039348.D
Acq: 24 Jun 2022 19:43

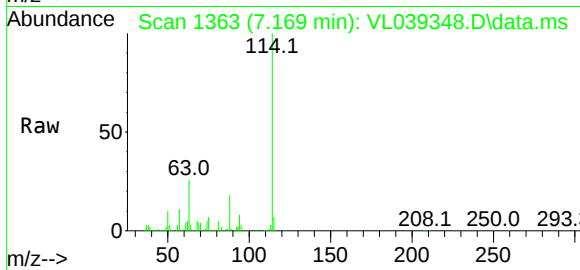
Tgt Ion: 57 Resp: 400567
Ion Ratio Lower Upper
57 100
41 94.4 72.4 108.6
43 74.4 187.0 280.6#
56 54.5 41.8 62.6





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.169 min Scan# 114
Delta R.T. -0.013 min
Lab File: VL039348.D
Acq: 24 Jun 2022 19:43

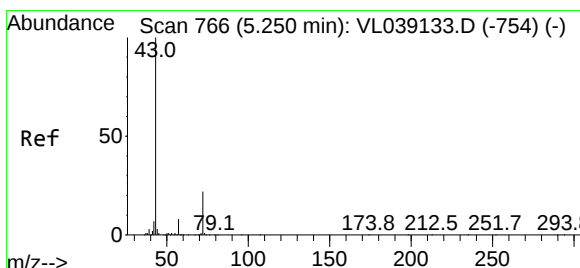
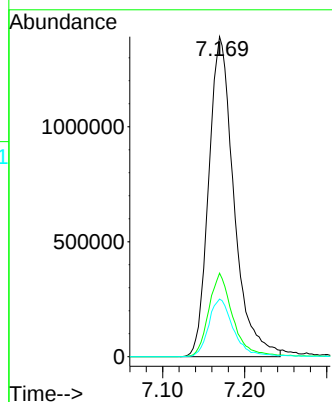
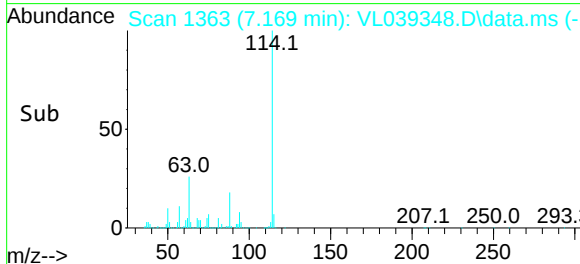
Instrument :
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IA-1DUP



Tgt Ion:114 Resp: 297457
Ion Ratio Lower Upper
114 100
63 25.4 21.7 32.5
88 18.1 14.8 22.2

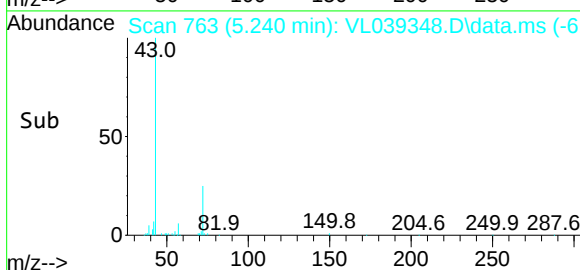
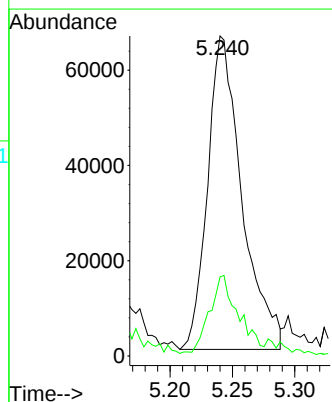
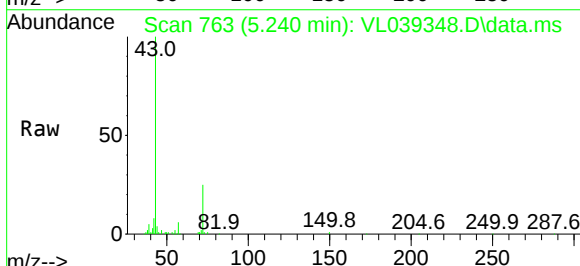
Manual Integrations
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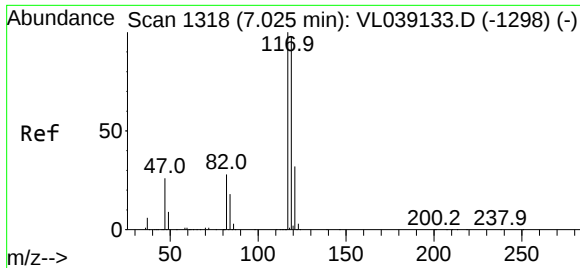
Reviewed By :Semsettin Yesilyurt 06/27/2022
Supervised By :Mahesh Dadoda 06/30/2022



#34
2-Butanone
Concen: 0.781 ppbv
RT: 5.240 min Scan# 763
Delta R.T. -0.010 min
Lab File: VL039348.D
Acq: 24 Jun 2022 19:43

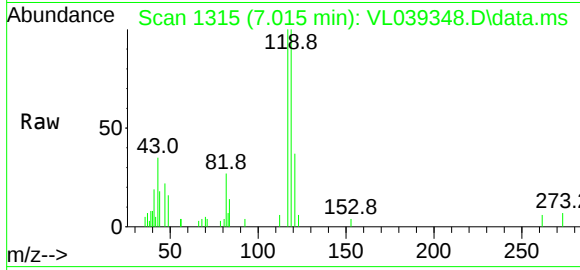
Tgt Ion: 43 Resp: 126253
Ion Ratio Lower Upper
43 100
72 26.8 18.2 27.2





#35
Carbon Tetrachloride
Concen: 0.050 ppbv m
RT: 7.015 min Scan# 117
Delta R.T. -0.010 min
Lab File: VL039348.D
Acq: 24 Jun 2022 19:43

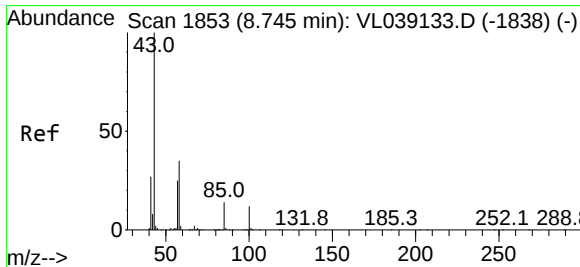
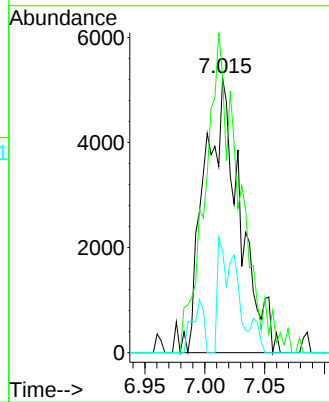
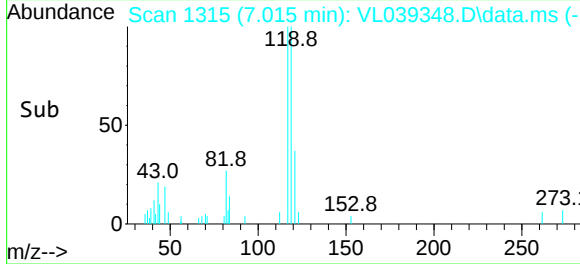
Instrument :
MSVOA_L
ClientSampleId :
IA-1DUP



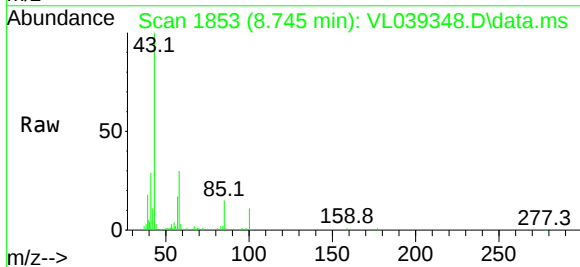
Tgt Ion: 117 Resp: 1077
Ion Ratio Lower Upper
117 100
119 100.5 78.6 118.0
121 36.8 25.4 38.0

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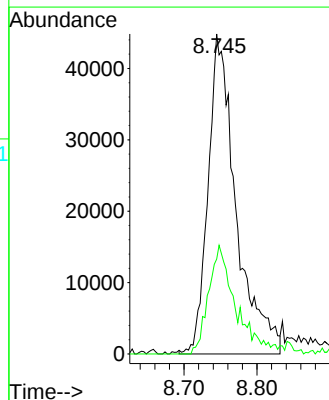
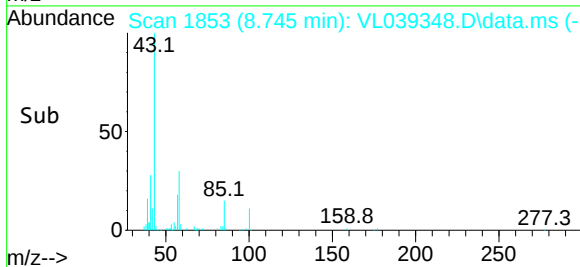
Reviewed By :Semsettin Yesilyurt 06/27/2022
Supervised By :Mahesh Dadoda 06/30/2022

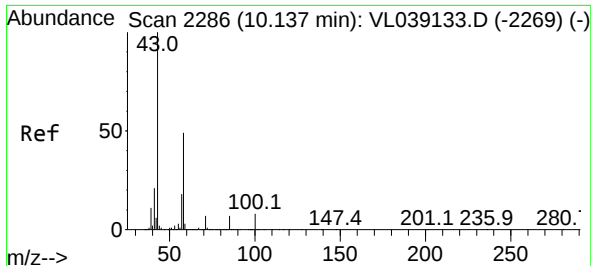


#50
4-Methyl-2-Pentanone
Concen: 0.494 ppbv m
RT: 8.745 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VL039348.D
Acq: 24 Jun 2022 19:43



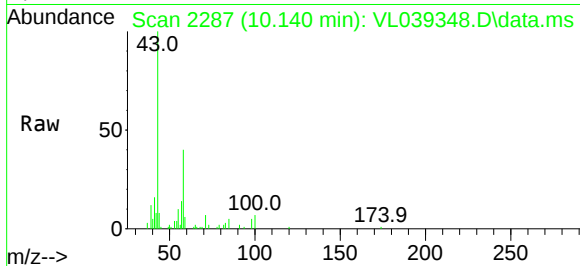
Tgt Ion: 43 Resp: 119511
Ion Ratio Lower Upper
43 100
58 33.3 28.7 43.1





#51
2-Hexanone
Concen: 0.325 ppbv m
RT: 10.140 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL039348.D
Acq: 24 Jun 2022 19:43

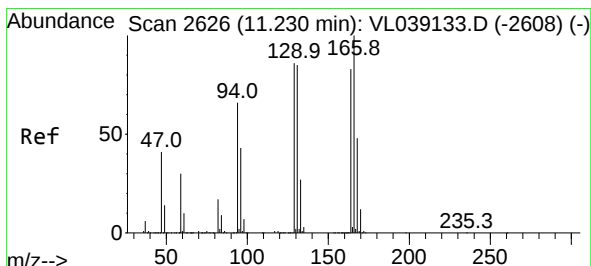
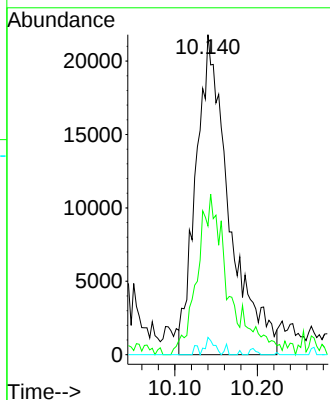
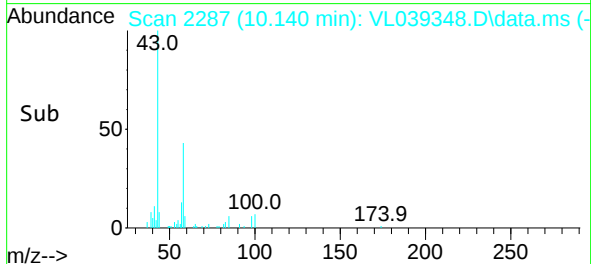
Instrument :
MSVOA_L
ClientSampleId :
IA-1DUP



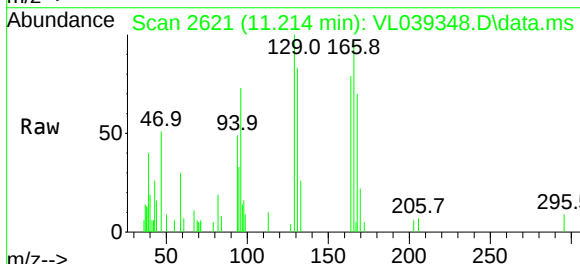
Tgt Ion: 43 Resp: 61208
Ion Ratio Lower Upper
43 100
58 0.0 40.0 60.0
98 0.0 0.1 0.1

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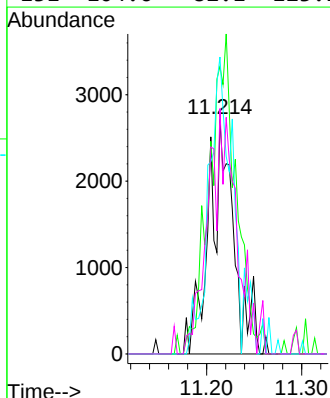
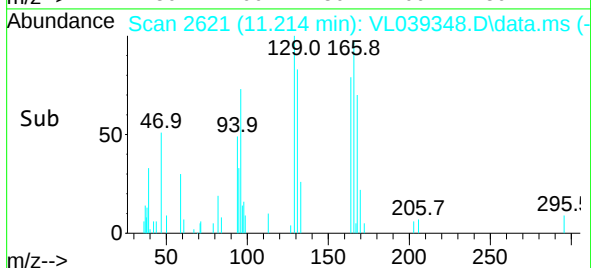
Reviewed By :Semsettin Yesilyurt 06/27/2022
Supervised By :Mahesh Dadoda 06/30/2022

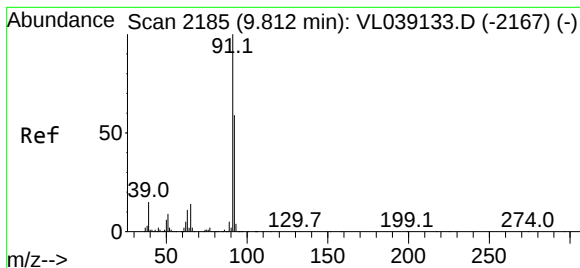


#52
Tetrachloroethene
Concen: 0.052 ppbv m
RT: 11.214 min Scan# 2621
Delta R.T. -0.016 min
Lab File: VL039348.D
Acq: 24 Jun 2022 19:43



Tgt Ion:164 Resp: 4943
Ion Ratio Lower Upper
164 100
166 122.5 96.3 144.5
129 126.5 82.5 123.7#
131 104.6 82.1 123.1





#53

Toluene

Concen: 0.902 ppbv

RT: 9.799 min Scan# 2181

Delta R.T. -0.013 min

Lab File: VL039348.D

Acq: 24 Jun 2022 19:43

Instrument :

MSVOA_L

ClientSampleId :

IA-1DUP

Tgt Ion: 91 Resp: 250698

Ion Ratio Lower Upper

91 100

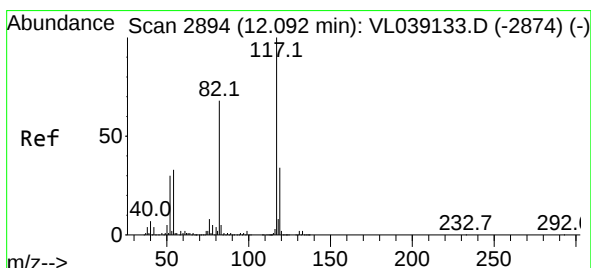
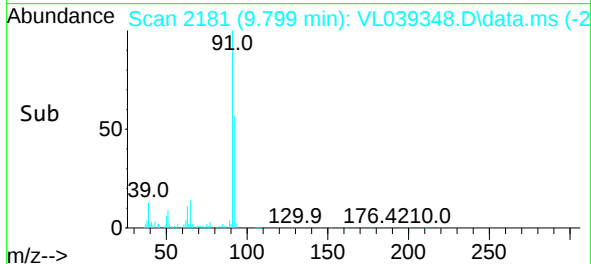
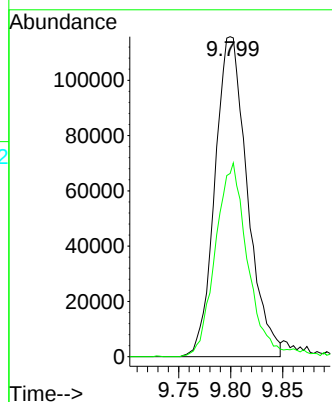
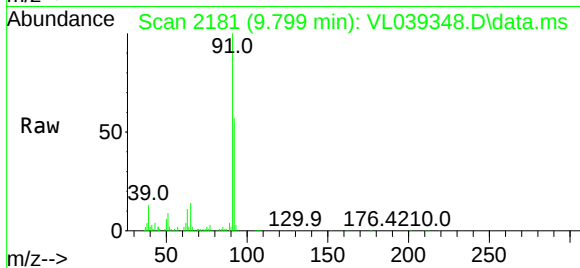
92 61.8 48.1 72.1

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 06/27/2022

Supervised By :Mahesh Dadoda 06/30/2022



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.076 min Scan# 2889

Delta R.T. -0.016 min

Lab File: VL039348.D

Acq: 24 Jun 2022 19:43

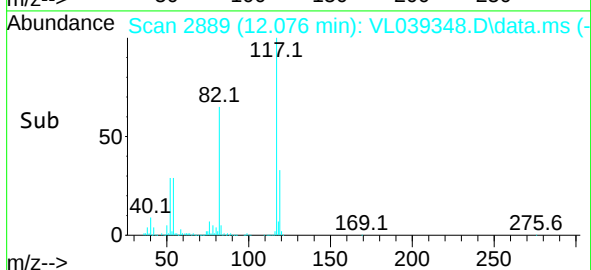
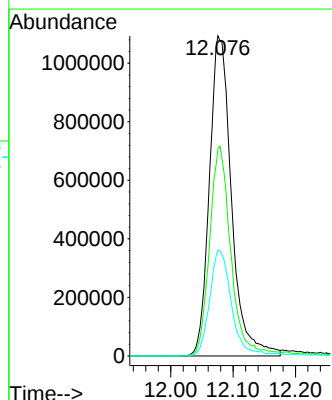
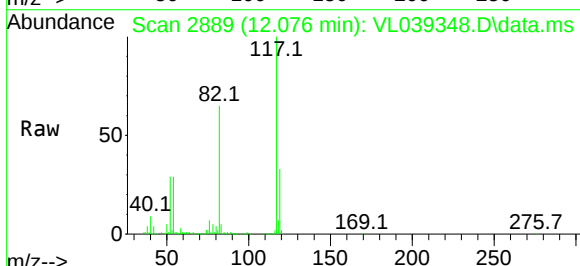
Tgt Ion:117 Resp: 2688805

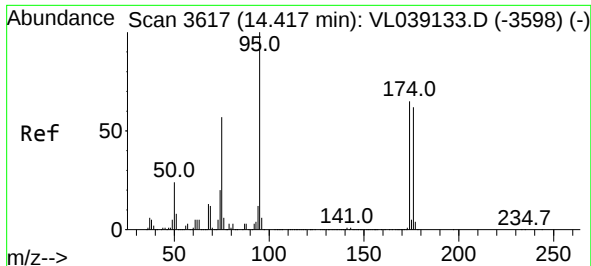
Ion Ratio Lower Upper

117 100

82 65.2 55.1 82.7

119 33.5 24.7 37.1





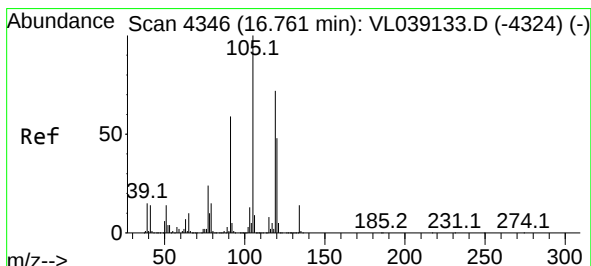
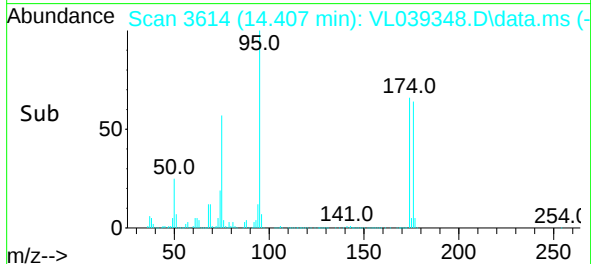
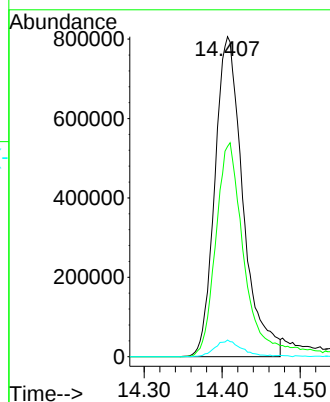
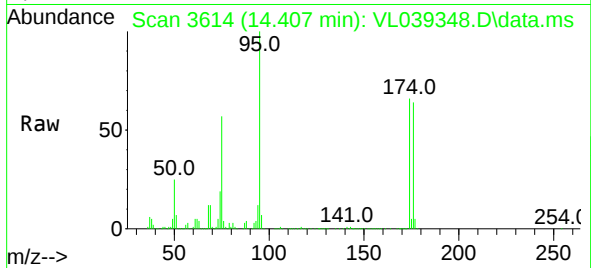
#68
1-Bromo-4-Fluorobenzene
Concen: 9.096 ppbv
RT: 14.407 min Scan# 301
Delta R.T. -0.010 min
Lab File: VL039348.D
Acq: 24 Jun 2022 19:43

Instrument :
MSVOA_L
ClientSampleId :
IA-1DUP

Tgt Ion: 95 Resp: 202197
Ion Ratio Lower Upper
95 100
174 70.9 53.8 80.8
175 5.2 4.1 6.1

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



#74
1,2,4-Trimethylbenzene
Concen: 0.179 ppbv m
RT: 16.754 min Scan# 4344
Delta R.T. -0.006 min
Lab File: VL039348.D
Acq: 24 Jun 2022 19:43

Tgt Ion:105 Resp: 64828
Ion Ratio Lower Upper
105 100
120 47.2 38.1 57.1
91 14.6 47.4 71.0#
77 12.1 19.5 29.3#

