

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060822\
 Data File : VL039235.D
 Acq On : 8 Jun 2022 15:00
 Operator : SY/AP
 Sample : N3199-01 2X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/09/2022
 Supervised By :Mahesh Dadoda 06/09/2022

Quant Time: Jun 09 06:40:39 2022

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 09 06:40:39 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	5.677	49	1165251	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.182	114	2645210	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.089	117	2365883	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.417	95	2138195	10.932	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	109.300%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	3.054	85	62199	0.304	ppbv	94
3) Chlorodifluoromethane	2.999	51	35439m	0.239	ppbv	
9) Propene	3.025	41	31459m	0.487	ppbv	
11) Trichlorofluoromethane	3.960	101	28570	0.154	ppbv	97
13) Ethanol	3.620	45	18853m	5.347	ppbv	
15) Acetone	3.861	43	313733	2.585	ppbv #	83
17) tert-Butyl alcohol	4.314	59	14965m	0.159	ppbv	
19) Isopropyl Alcohol	3.986	45	14530m	0.255	ppbv	
20) Methylene Chloride	4.353	84	214699	4.197	ppbv	99
23) Vinyl Acetate	5.076	43	107705	1.072	ppbv	99
26) Hexane	5.700	57	158944m	1.322	ppbv	
27) Carbon Disulfide	4.562	76	30204m	0.242	ppbv	
29) Chloroform	5.761	83	164921	0.815	ppbv	97
34) 2-Butanone	5.256	43	324333m	2.257	ppbv	
35) Carbon Tetrachloride	7.021	117	8732m	0.045	ppbv	
51) 2-Hexanone	10.143	43	153151	0.915	ppbv #	94
52) Tetrachloroethene	11.227	164	280484	3.345	ppbv	90
53) Toluene	9.812	91	25489m	0.103	ppbv	
59) m/p-Xylene	12.976	91	38011m	0.132	ppbv	
74) 1,2,4-Trimethylbenzene	16.761	105	81041m	0.255	ppbv	
79) Naphthalene	22.198	128	48725m	0.199	ppbv	
80) Naphthalene,2-methyl-	24.972	142	11510m	0.127	ppbv	

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

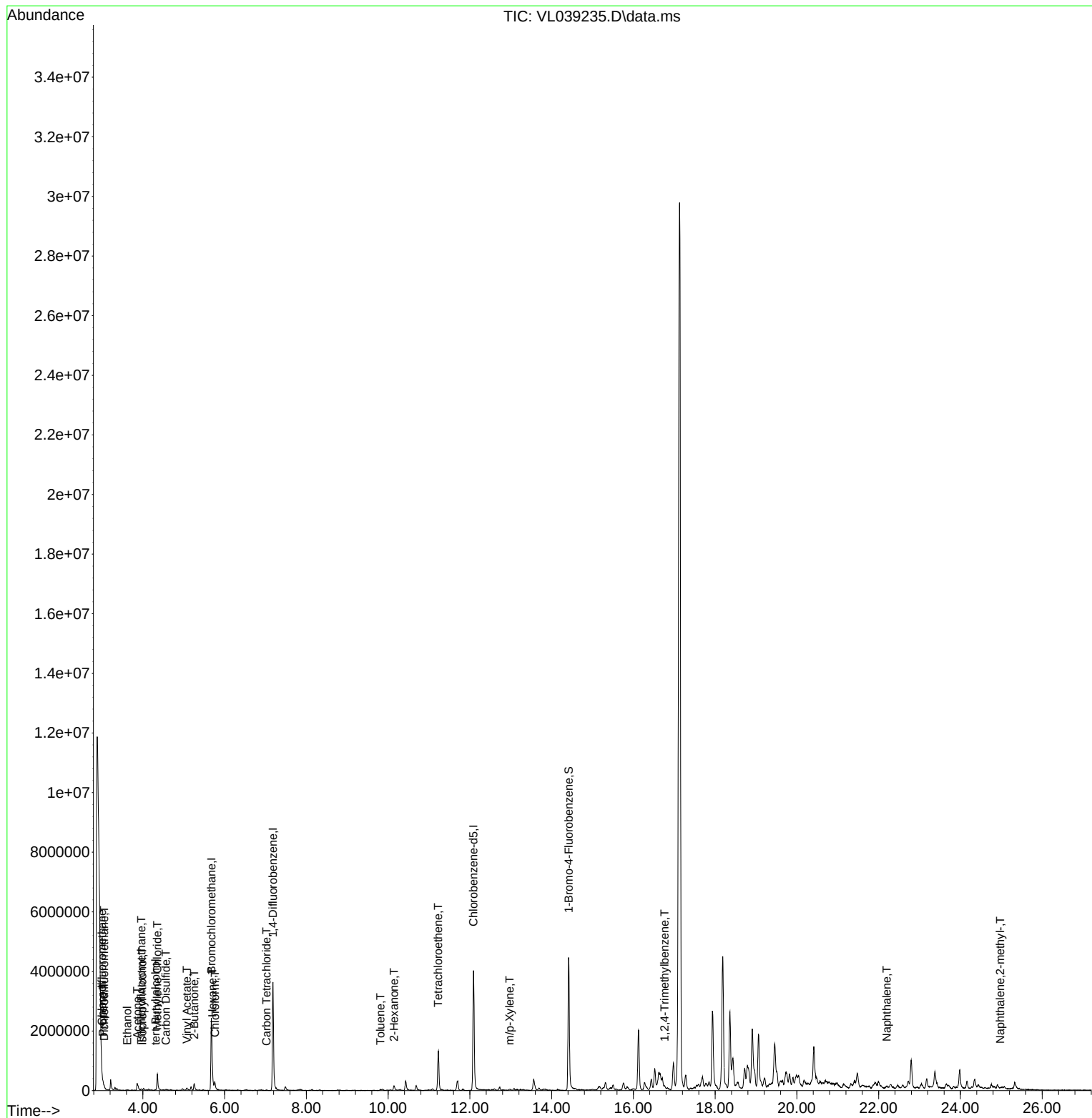
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060822\
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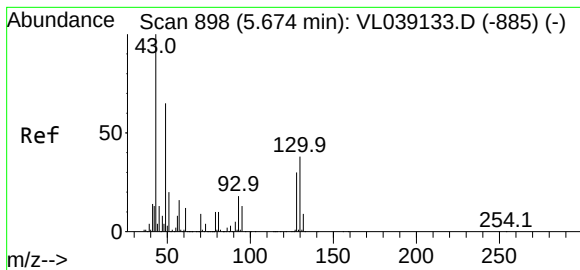
Instrument :
MSVOA_L
ClientSampleId :
SV1

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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





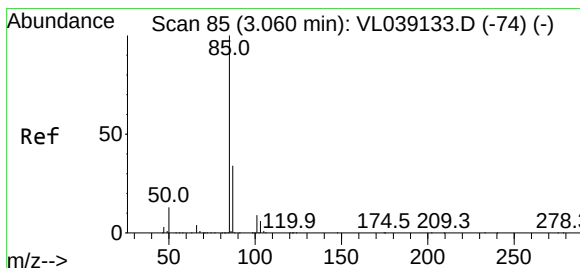
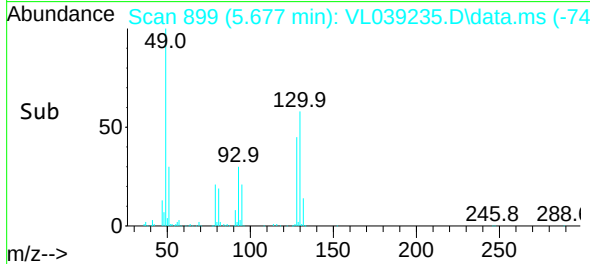
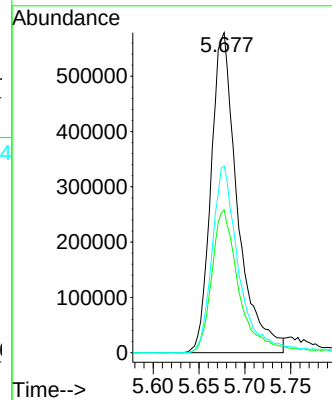
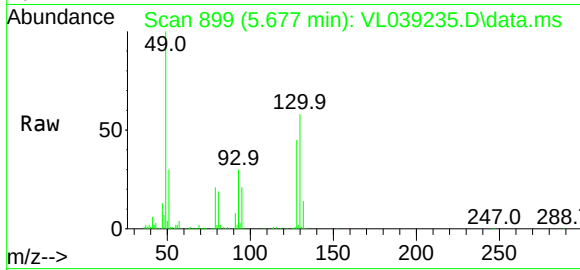
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Bromochloromethane
Concen: 10.000 ppbv
RT: 5.677 min Scan# 89
Delta R.T. 0.003 min
Lab File: VL039235.D
Acq: 8 Jun 2022 15:00

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 49 Resp: 116525
Ion Ratio Lower Upper
49 100
128 47.3 24.7 74.1
130 60.8 31.4 94.0

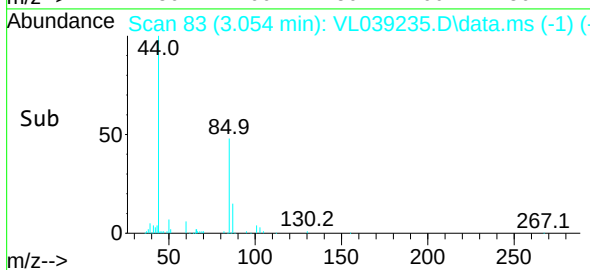
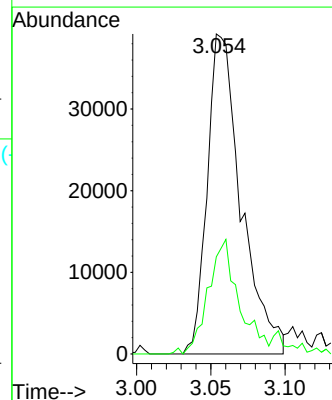
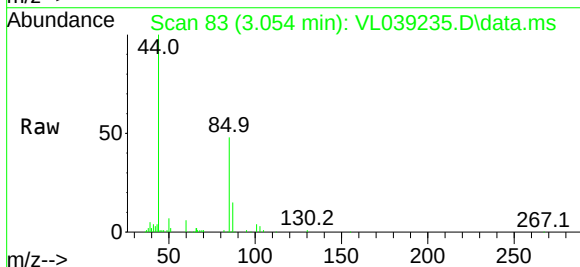
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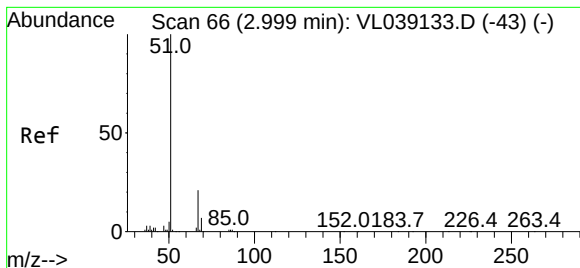
Reviewed By :Semsettin Yesilyurt 06/09/2022
Supervised By :Mahesh Dadoda 06/09/2022



#2
Dichlorodifluoromethane
Concen: 0.304 ppbv
RT: 3.054 min Scan# 83
Delta R.T. -0.006 min
Lab File: VL039235.D
Acq: 8 Jun 2022 15:00

Tgt Ion: 85 Resp: 62199
Ion Ratio Lower Upper
85 100
87 30.4 26.9 40.3





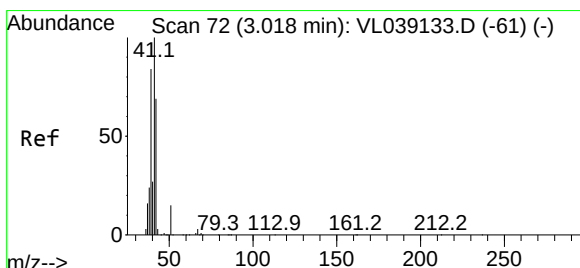
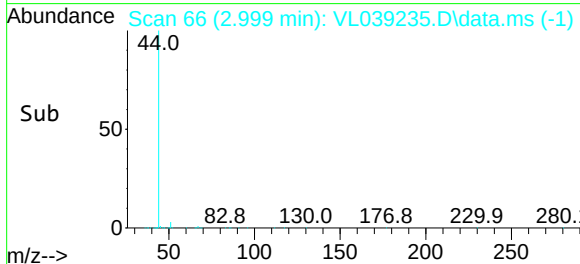
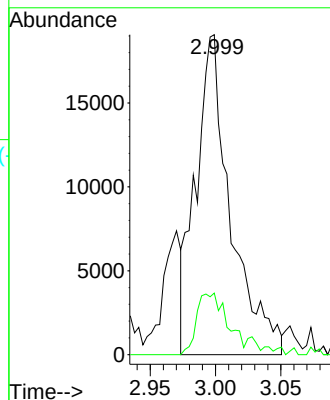
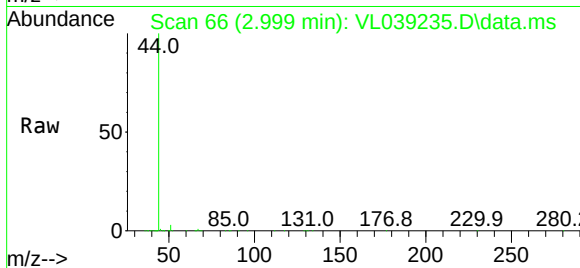
#3
Chlorodifluoromethane
Concen: 0.239 ppbv m
RT: 2.999 min Scan# 66
Delta R.T. 0.000 min
Lab File: VL039235.D
Acq: 8 Jun 2022 15:00

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 51 Resp: 35439
Ion Ratio Lower Upper
51 100
67 20.2 16.2 24.4

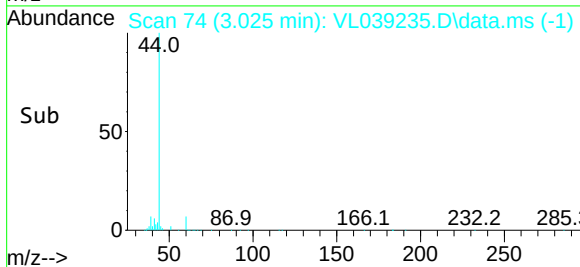
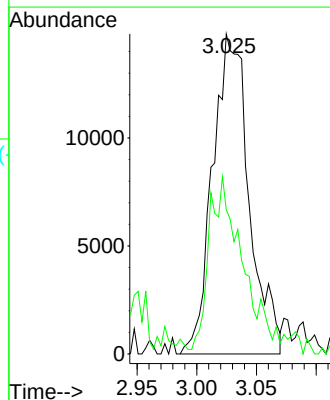
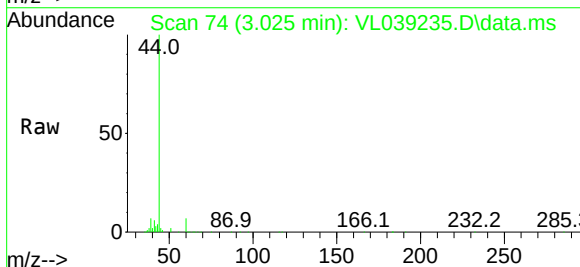
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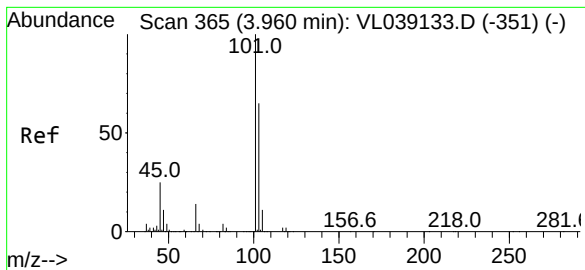
Reviewed By :Semsettin Yesilyurt 06/09/2022
Supervised By :Mahesh Dadoda 06/09/2022



#9
Propene
Concen: 0.487 ppbv m
RT: 3.025 min Scan# 74
Delta R.T. 0.006 min
Lab File: VL039235.D
Acq: 8 Jun 2022 15:00

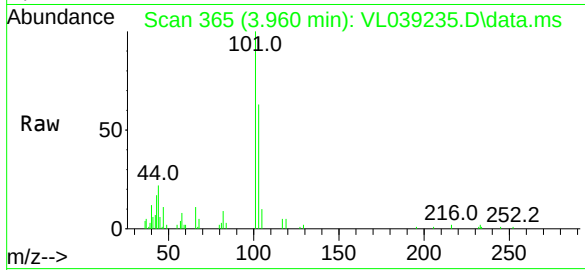
Tgt Ion: 41 Resp: 31459
Ion Ratio Lower Upper
41 100
42 54.7 55.4 83.2#





#11
Trichlorofluoromethane
Concen: 0.154 ppbv
RT: 3.960 min Scan# 30
Delta R.T. 0.000 min
Lab File: VL039235.D
Acq: 8 Jun 2022 15:00

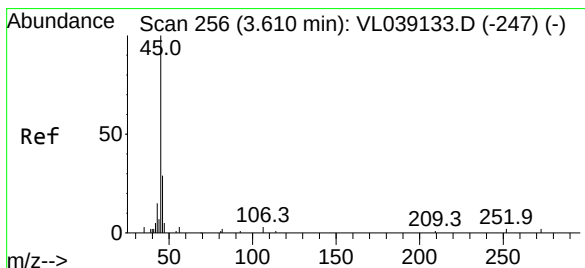
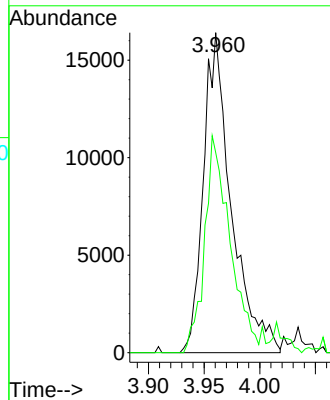
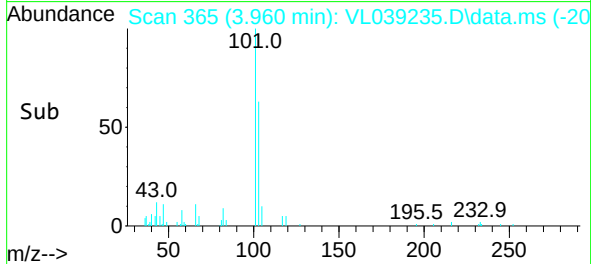
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion:101 Resp: 28570
Ion Ratio Lower Upper
101 100
103 62.5 51.7 77.5

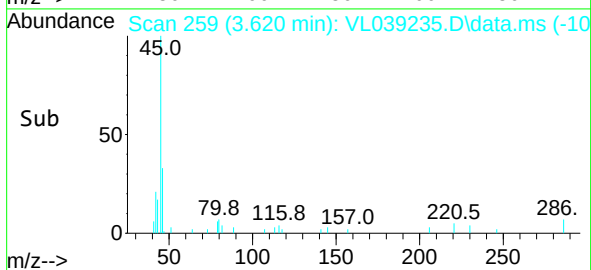
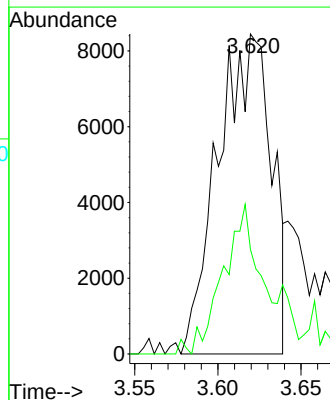
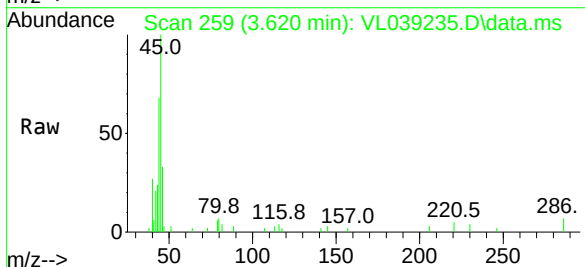
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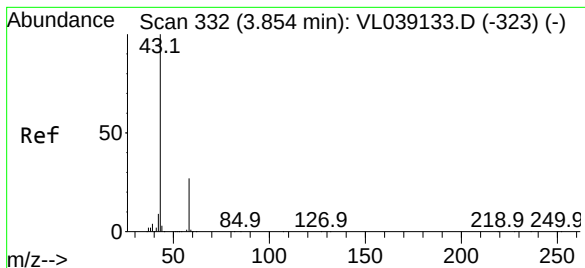
Reviewed By :Semsettin Yesilyurt 06/09/2022
Supervised By :Mahesh Dadoda 06/09/2022



#13
Ethanol
Concen: 5.347 ppbv m
RT: 3.620 min Scan# 259
Delta R.T. 0.010 min
Lab File: VL039235.D
Acq: 8 Jun 2022 15:00

Tgt Ion: 45 Resp: 18853
Ion Ratio Lower Upper
45 100
46 0.0 0.0 0.0





#15

Acetone

Concen: 2.585 ppbv

RT: 3.861 min Scan# 313

Delta R.T. 0.006 min

Lab File: VL039235.D

Acq: 8 Jun 2022 15:00

Instrument :

MSVOA_L

ClientSampleId :

SV1

Tgt Ion: 43 Resp: 31373

Ion Ratio Lower Upper

43 100

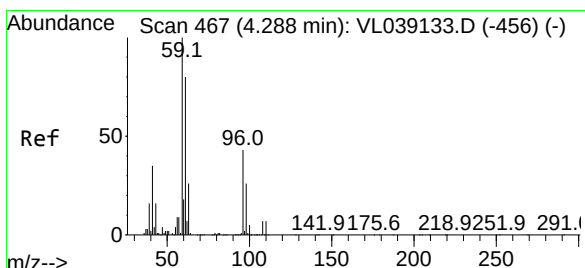
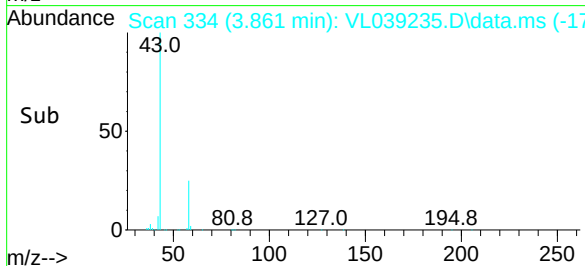
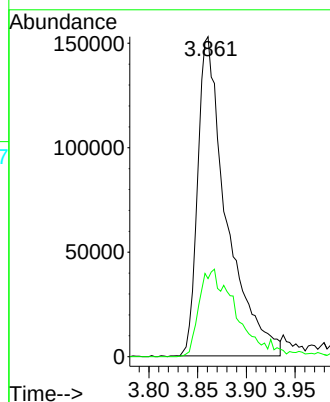
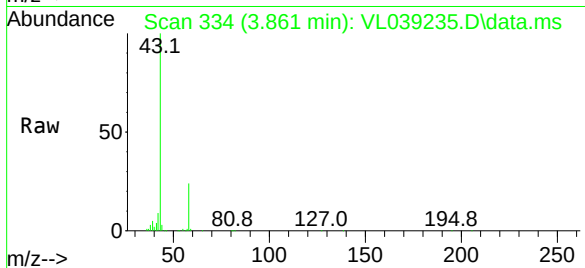
58 36.8 22.5 33.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/09/2022

Supervised By :Mahesh Dadoda 06/09/2022



#17

tert-Butyl alcohol

Concen: 0.159 ppbv m

RT: 4.314 min Scan# 475

Delta R.T. 0.026 min

Lab File: VL039235.D

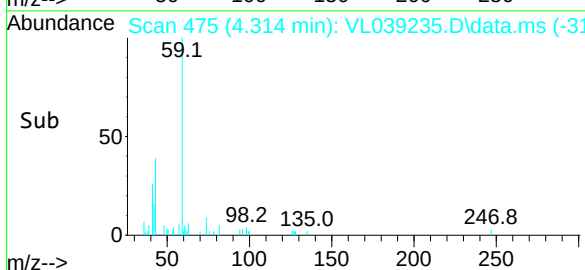
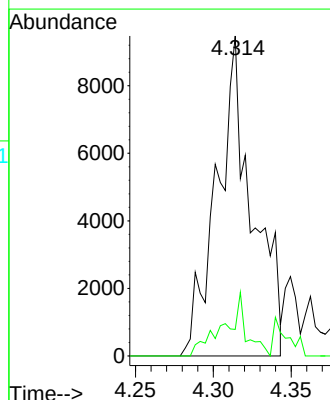
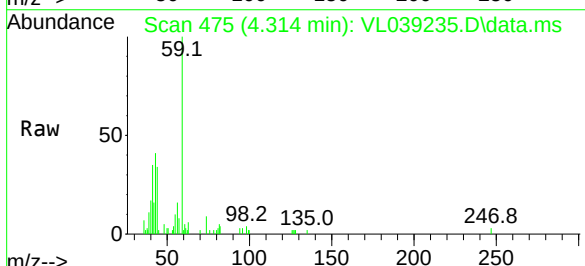
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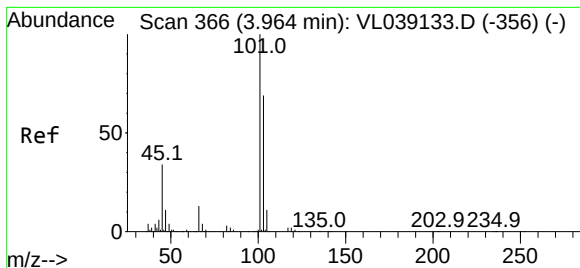
Tgt Ion: 59 Resp: 14965

Ion Ratio Lower Upper

59 100

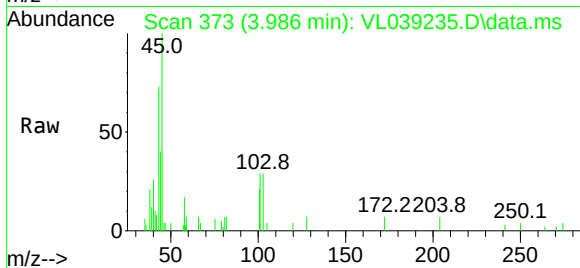
57 0.0 9.1 13.7





#19
Isopropyl Alcohol
Concen: 0.255 ppbv m
RT: 3.986 min Scan# 31
Delta R.T. 0.023 min
Lab File: VL039235.D
Acq: 8 Jun 2022 15:00

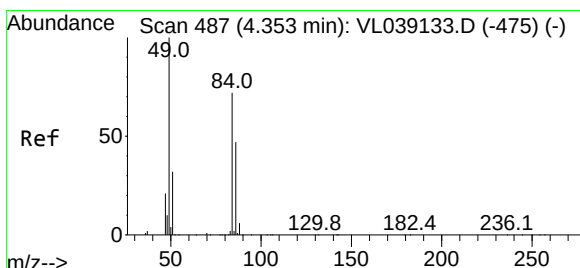
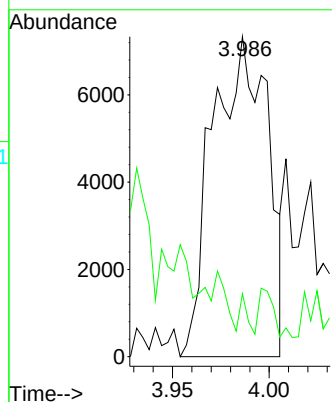
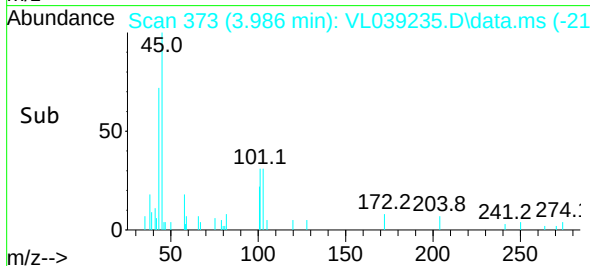
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 45 Resp: 14530
Ion Ratio Lower Upper
45 100
58 0.0 1.8 2.8

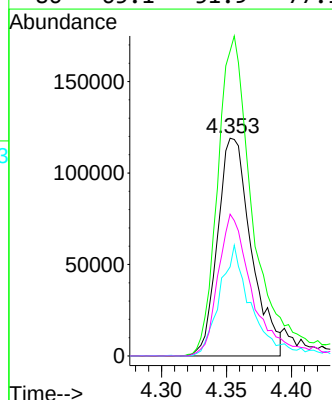
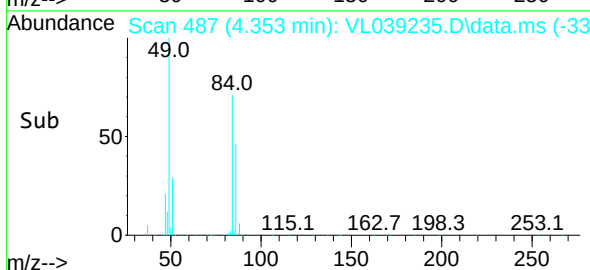
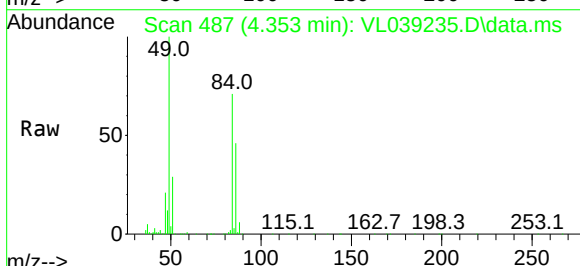
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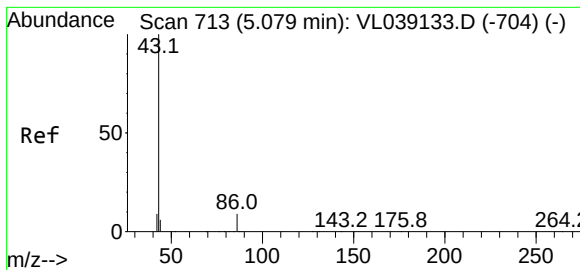
Reviewed By :Semsettin Yesilyurt 06/09/2022
Supervised By :Mahesh Dadoda 06/09/2022



#20
Methylene Chloride
Concen: 4.197 ppbv
RT: 4.353 min Scan# 487
Delta R.T. 0.000 min
Lab File: VL039235.D
Acq: 8 Jun 2022 15:00

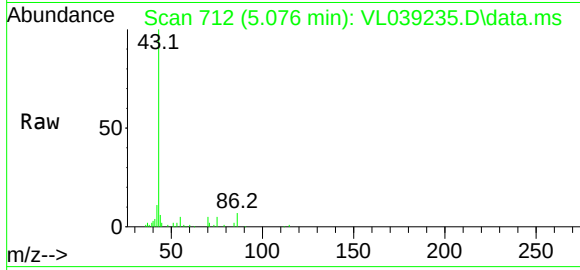
Tgt Ion: 84 Resp: 214699
Ion Ratio Lower Upper
84 100
49 140.0 111.1 166.7
51 40.9 35.3 52.9
86 65.1 51.9 77.9





#23
 Vinyl Acetate
 Concen: 1.072 ppbv
 RT: 5.076 min Scan# 713
 Delta R.T. -0.003 min
 Lab File: VL039235.D
 Acq: 8 Jun 2022 15:00

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

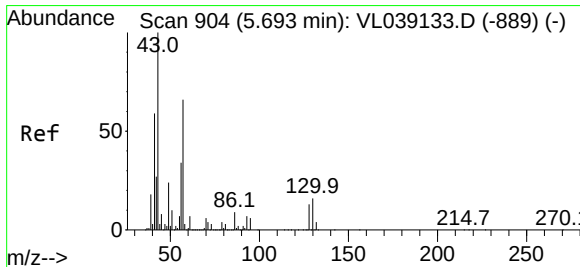
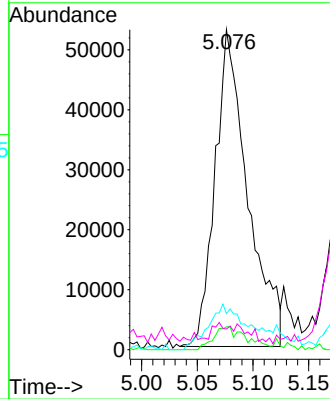
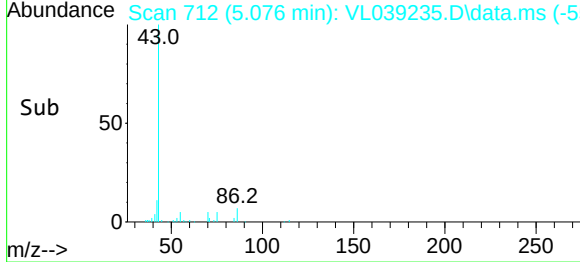


Tgt Ion: 43 Resp: 10770

Ion	Ratio	Lower	Upper
43	100		
86	7.2	6.0	9.0
42	10.3	8.2	12.4
44	5.9	4.3	6.5

Manual Integrations
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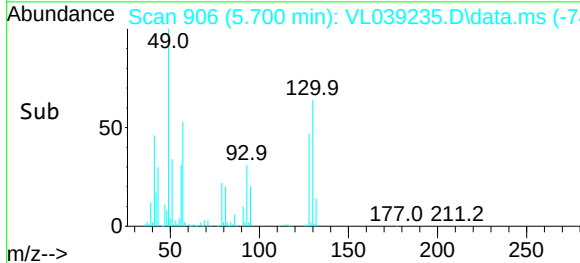
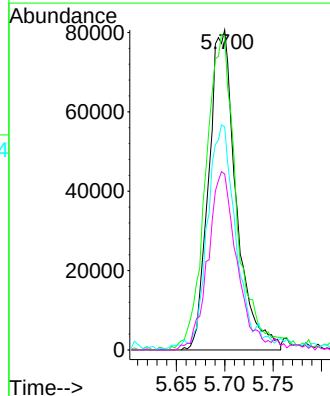
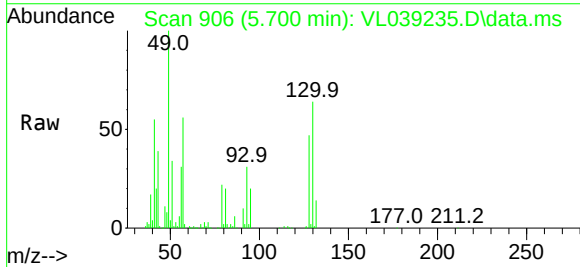
Reviewed By :Semsettin Yesilyurt 06/09/2022
 Supervised By :Mahesh Dadoda 06/09/2022

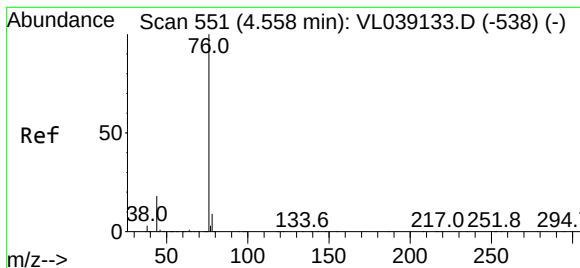


#26
 Hexane
 Concen: 1.322 ppbv m
 RT: 5.700 min Scan# 906
 Delta R.T. 0.006 min
 Lab File: VL039235.D
 Acq: 8 Jun 2022 15:00

Tgt Ion: 57 Resp: 158944

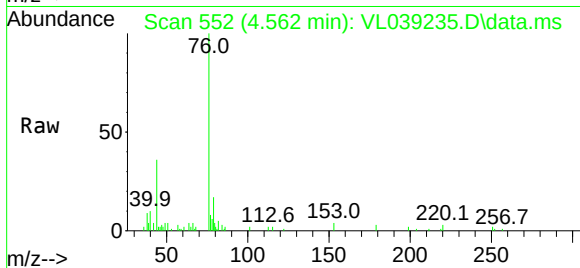
Ion	Ratio	Lower	Upper
57	100		
41	113.0	72.4	108.6#
43	77.4	187.0	280.6#
56	60.6	41.8	62.6





#27
Carbon Disulfide
Concen: 0.242 ppbv m
RT: 4.562 min Scan# 511
Delta R.T. 0.003 min
Lab File: VL039235.D
Acq: 8 Jun 2022 15:00

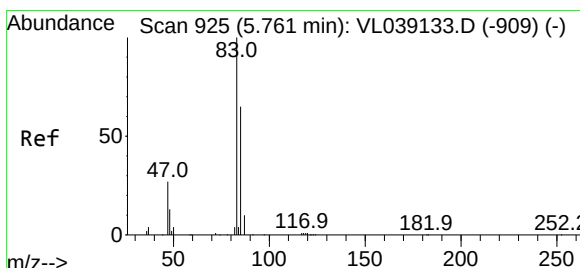
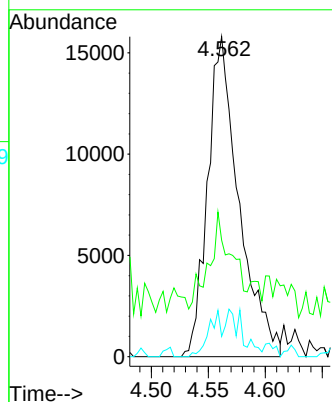
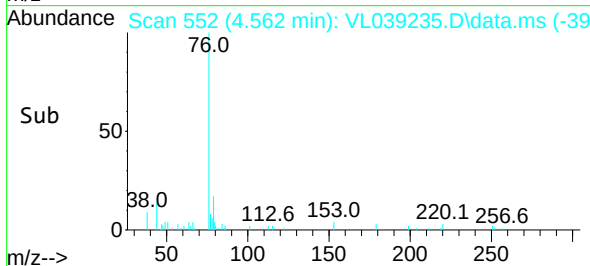
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 76 Resp: 30204
Ion Ratio Lower Upper
76 100
44 36.3 14.4 21.6
78 15.8 7.7 11.5

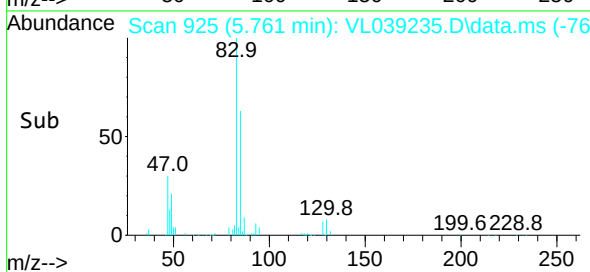
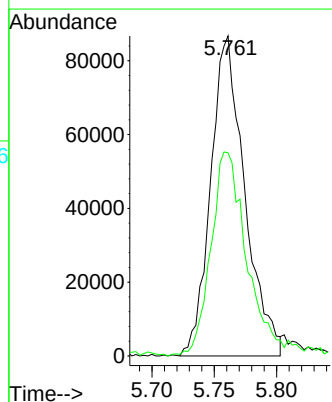
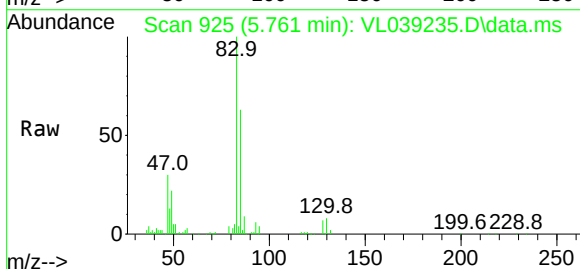
Manual Integrations
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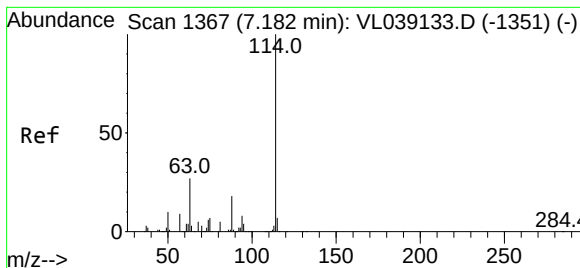
Reviewed By :Semsettin Yesilyurt 06/09/2022
Supervised By :Mahesh Dadoda 06/09/2022



#29
Chloroform
Concen: 0.815 ppbv
RT: 5.761 min Scan# 925
Delta R.T. 0.000 min
Lab File: VL039235.D
Acq: 8 Jun 2022 15:00

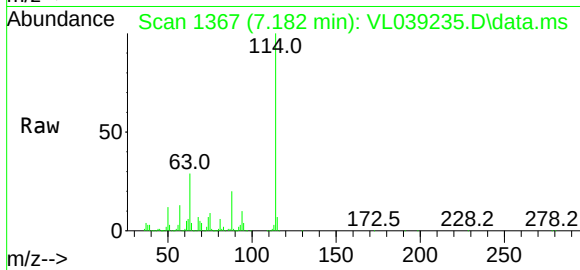
Tgt Ion: 83 Resp: 164921
Ion Ratio Lower Upper
83 100
85 63.0 52.4 78.6





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.182 min Scan# 114
Delta R.T. 0.000 min
Lab File: VL039235.D
Acq: 8 Jun 2022 15:00

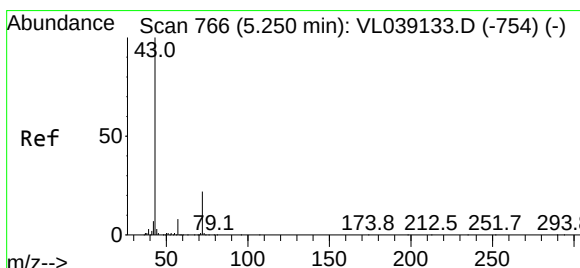
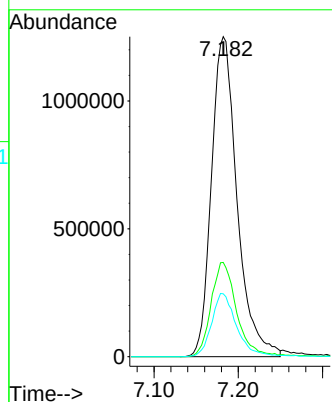
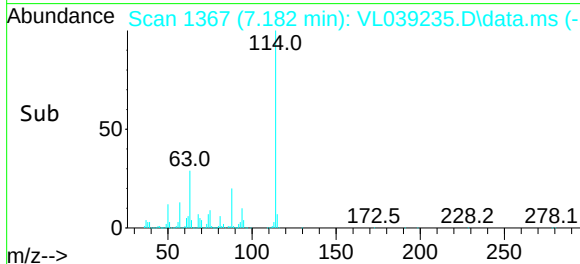
Instrument :
MSVOA_L
ClientSampleId :
SV1



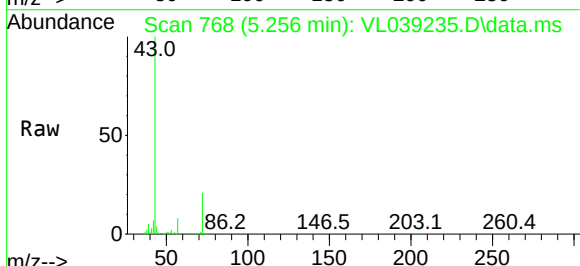
Tgt Ion:114 Resp: 2645210
Ion Ratio Lower Upper
114 100
63 29.9 21.7 32.5
88 19.6 14.8 22.2

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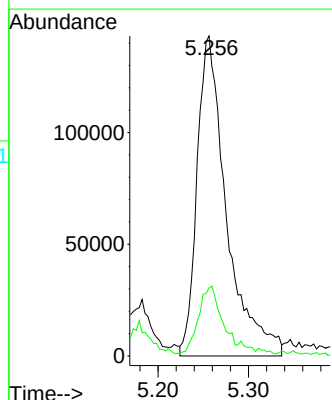
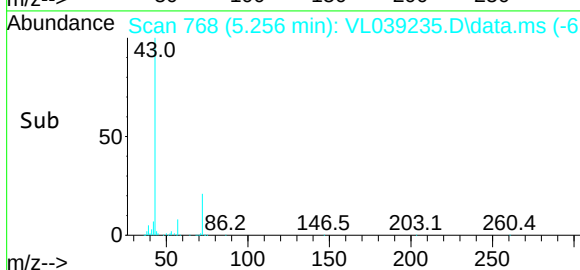
Reviewed By :Semsettin Yesilyurt 06/09/2022
Supervised By :Mahesh Dadoda 06/09/2022

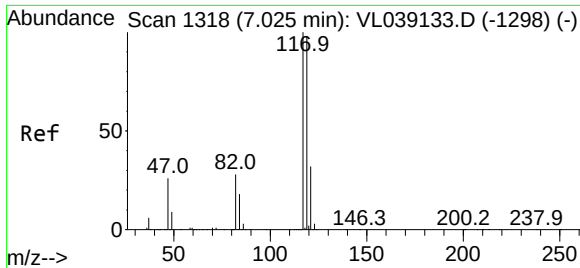


#34
2-Butanone
Concen: 2.257 ppbv m
RT: 5.256 min Scan# 768
Delta R.T. 0.006 min
Lab File: VL039235.D
Acq: 8 Jun 2022 15:00



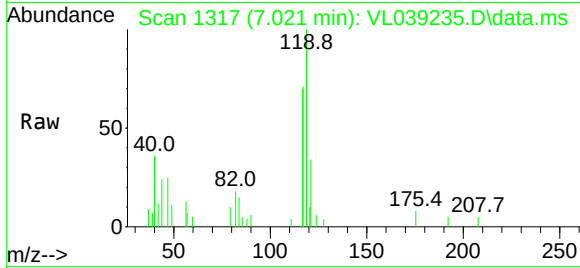
Tgt Ion: 43 Resp: 324333
Ion Ratio Lower Upper
43 100
72 21.1 18.2 27.2





#35
Carbon Tetrachloride
Concen: 0.045 ppbv m
RT: 7.021 min Scan# 117
Delta R.T. -0.003 min
Lab File: VL039235.D
Acq: 8 Jun 2022 15:00

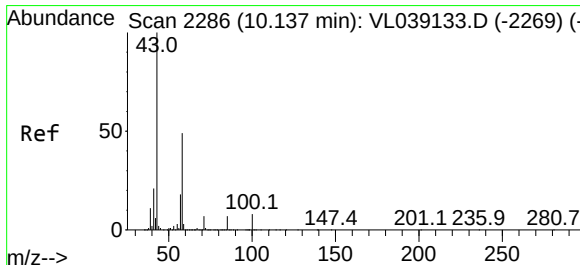
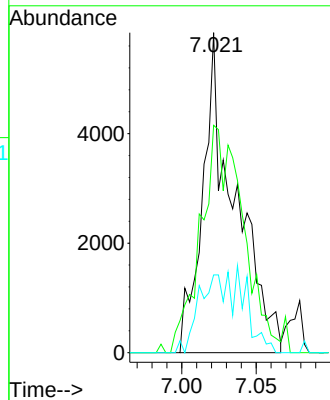
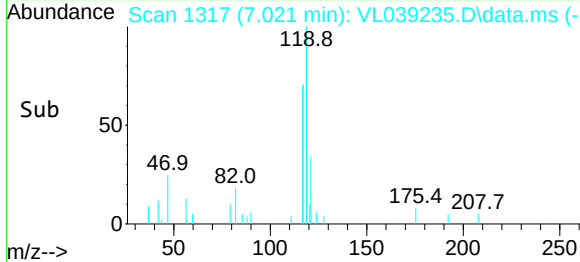
Instrument : MSVOA_L
ClientSampleId : SV1



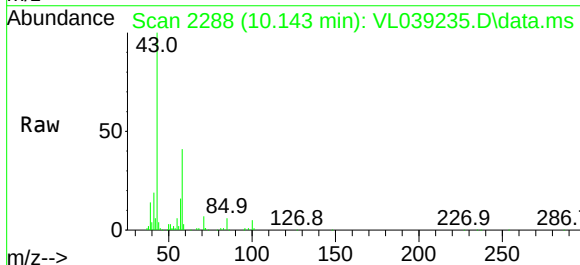
Tgt Ion: 117 Resp: 8732
Ion Ratio Lower Upper
117 100
119 141.7 78.6 118.0
121 48.5 25.4 38.0

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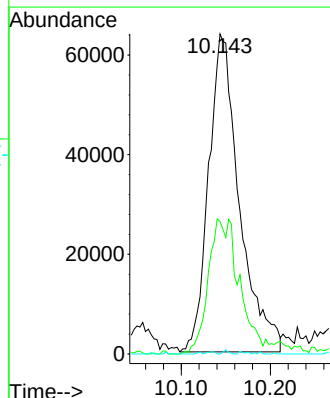
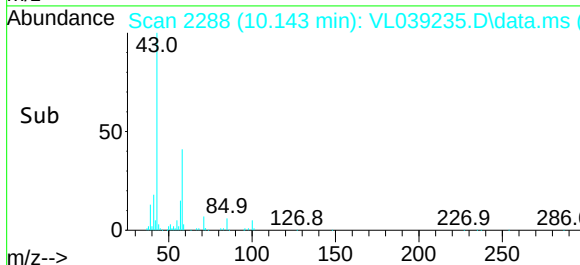
Reviewed By :Semsettin Yesilyurt 06/09/2022
Supervised By :Mahesh Dadoda 06/09/2022

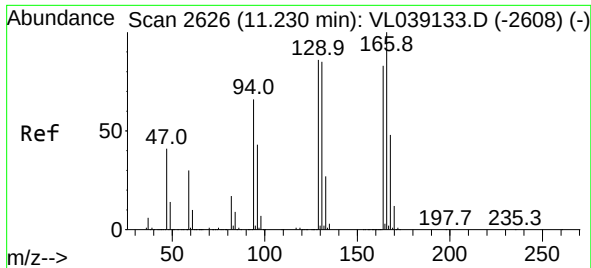


#51
2-Hexanone
Concen: 0.915 ppbv
RT: 10.143 min Scan# 2288
Delta R.T. 0.006 min
Lab File: VL039235.D
Acq: 8 Jun 2022 15:00



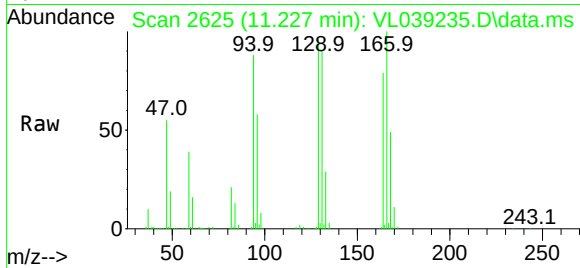
Tgt Ion: 43 Resp: 153151
Ion Ratio Lower Upper
43 100
58 46.1 40.0 60.0
98 0.4 0.1 0.1





#52
Tetrachloroethene
Concen: 3.345 ppbv
RT: 11.227 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL039235.D
Acq: 8 Jun 2022 15:00

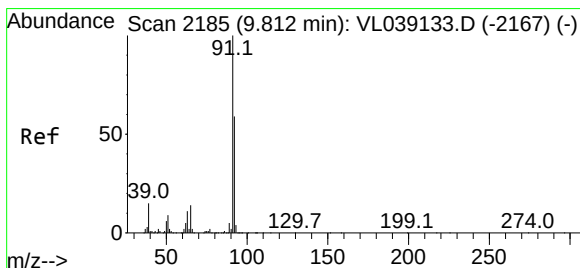
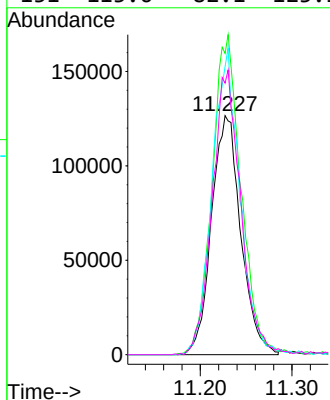
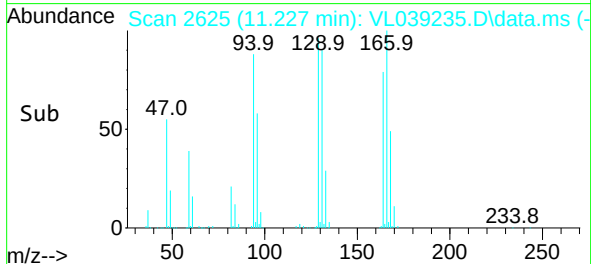
Instrument :
MSVOA_L
ClientSampleId :
SV1



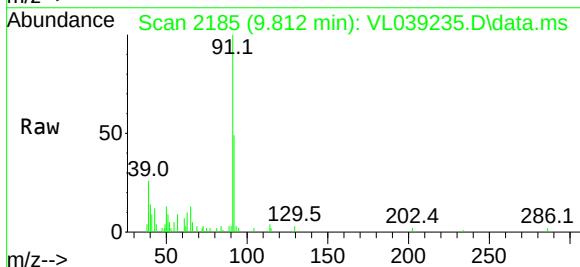
Tgt Ion:164 Resp: 280484
Ion Ratio Lower Upper
164 100
166 125.5 96.3 144.5
129 120.5 82.5 123.7
131 113.6 82.1 123.1

Manual Integrations
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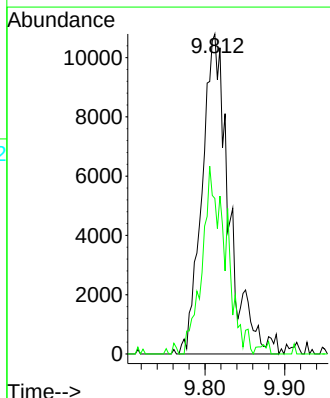
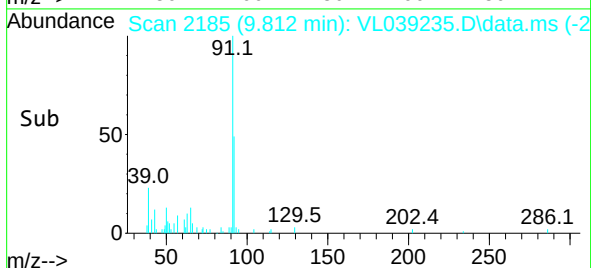
Reviewed By :Semsettin Yesilyurt 06/09/2022
Supervised By :Mahesh Dadoda 06/09/2022

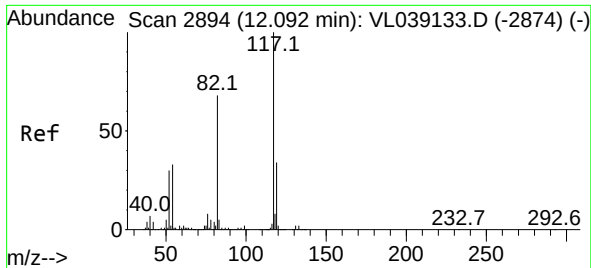


#53
Toluene
Concen: 0.103 ppbv m
RT: 9.812 min Scan# 2185
Delta R.T. 0.000 min
Lab File: VL039235.D
Acq: 8 Jun 2022 15:00



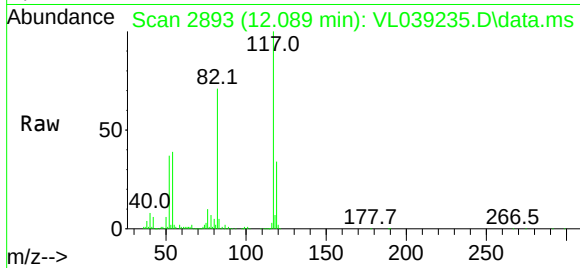
Tgt Ion: 91 Resp: 25489
Ion Ratio Lower Upper
91 100
92 53.0 48.1 72.1





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.089 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL039235.D
Acq: 8 Jun 2022 15:00

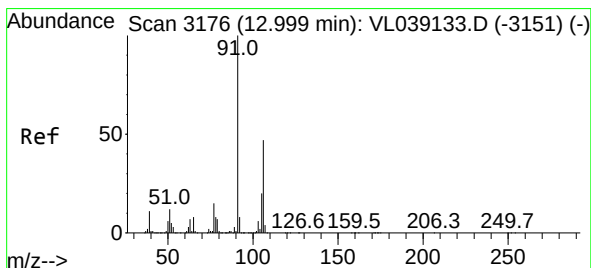
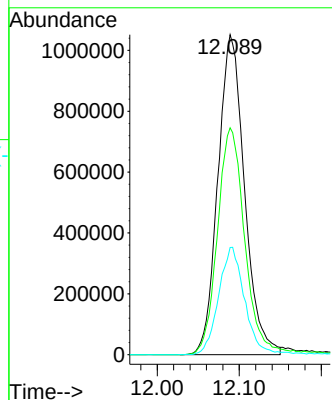
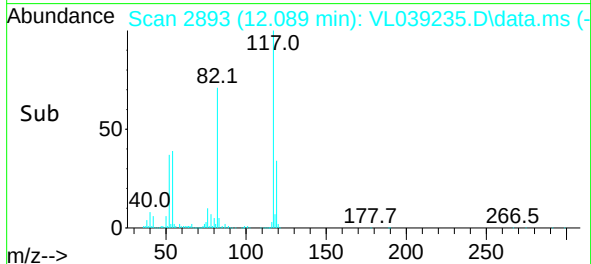
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion:117 Resp: 236588
Ion Ratio Lower Upper
117 100
82 74.2 55.1 82.7
119 33.4 24.7 37.1

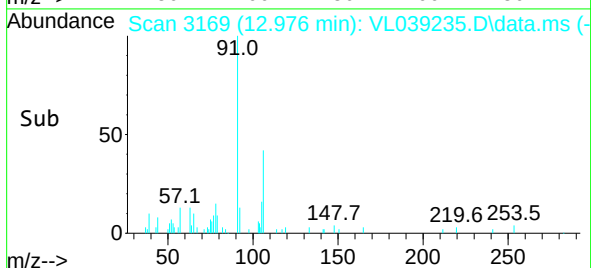
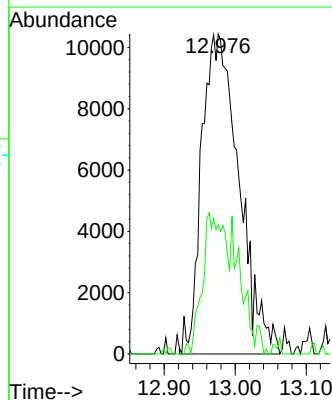
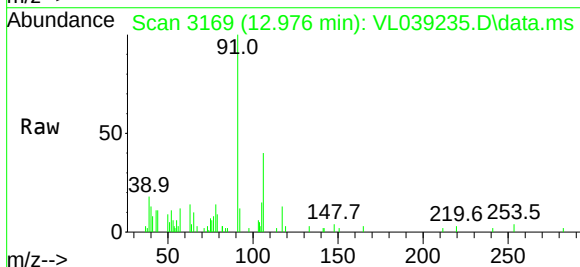
Manual Integrations
APPROVED

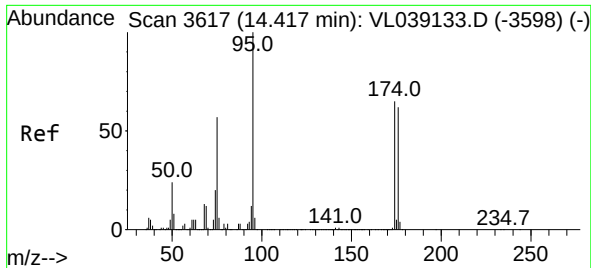
Reviewed By :Semsettin Yesilyurt 06/09/2022
Supervised By :Mahesh Dadoda 06/09/2022



#59
m/p-Xylene
Concen: 0.132 ppbv m
RT: 12.976 min Scan# 3169
Delta R.T. -0.022 min
Lab File: VL039235.D
Acq: 8 Jun 2022 15:00

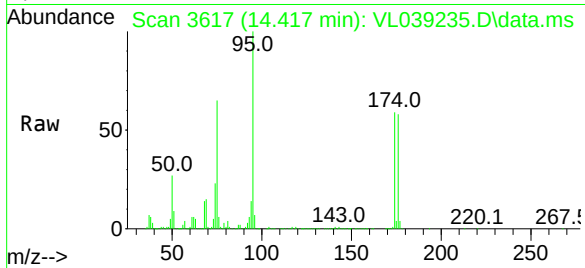
Tgt Ion: 91 Resp: 38011
Ion Ratio Lower Upper
91 100
106 0.0 34.3 51.5#





#68
1-Bromo-4-Fluorobenzene
Concen: 10.932 ppbv
RT: 14.417 min Scan# 3617
Delta R.T. 0.000 min
Lab File: VL039235.D
Acq: 8 Jun 2022 15:00

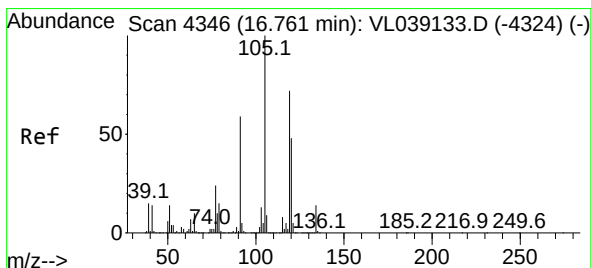
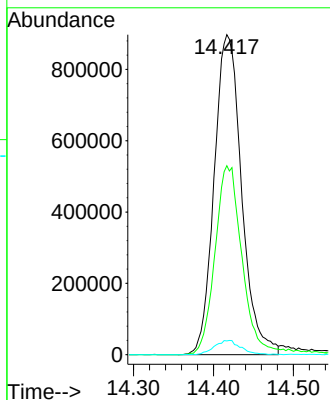
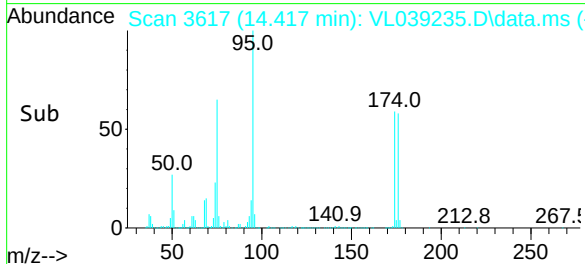
Instrument :
MSVOA_L
ClientSampleId :
SV1



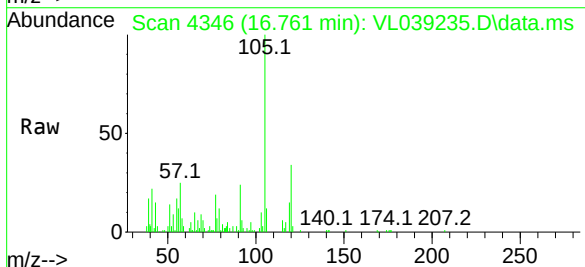
Tgt Ion: 95 Resp: 213819
Ion Ratio Lower Upper
95 100
174 59.6 53.8 80.8
175 4.4 4.1 6.1

Manual Integrations
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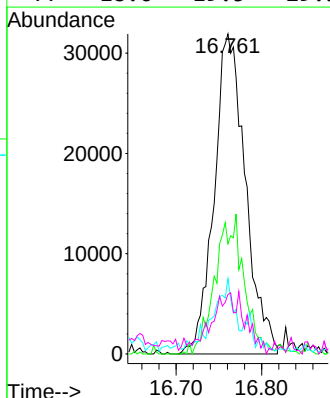
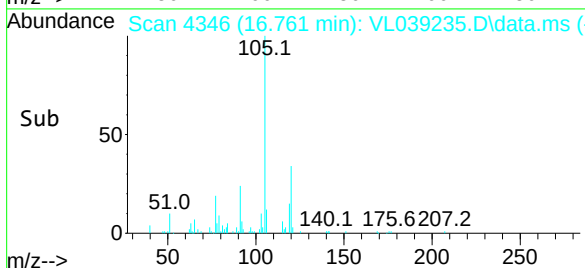
Reviewed By :Semsettin Yesilyurt 06/09/2022
Supervised By :Mahesh Dadoda 06/09/2022

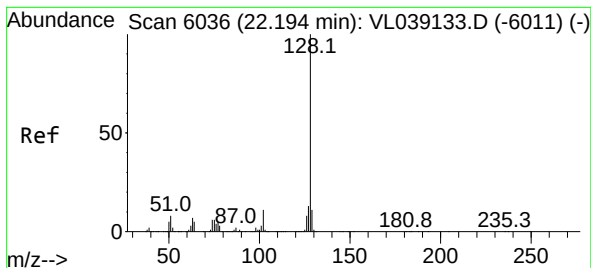


#74
1,2,4-Trimethylbenzene
Concen: 0.255 ppbv m
RT: 16.761 min Scan# 4346
Delta R.T. 0.000 min
Lab File: VL039235.D
Acq: 8 Jun 2022 15:00



Tgt Ion:105 Resp: 81041
Ion Ratio Lower Upper
105 100
120 34.5 38.1 57.1#
91 23.5 47.4 71.0#
77 18.6 19.5 29.3#





#79

Naphthalene

Concen: 0.199 ppbv m

RT: 22.198 min Scan# 6036

Delta R.T. 0.003 min

Lab File: VL039235.D

Acq: 8 Jun 2022 15:00

Instrument :

MSVOA_L

ClientSampleId :

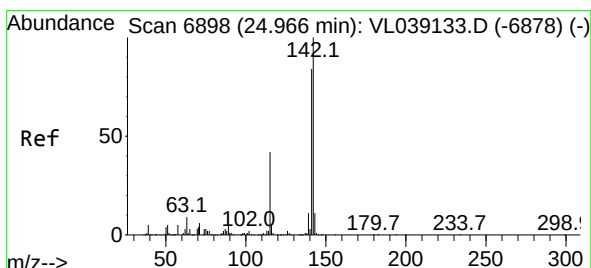
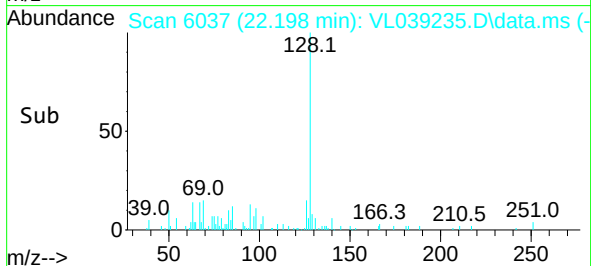
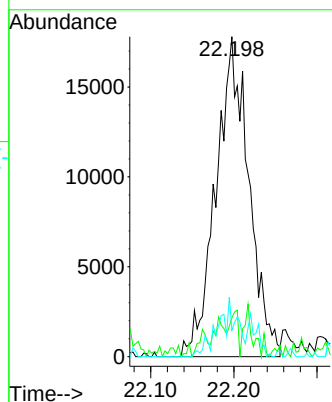
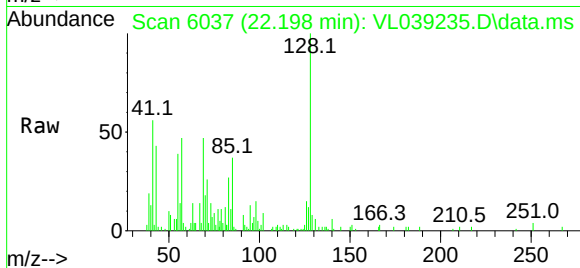
SV1

Tgt Ion:128	Resp: 4872
Ion Ratio	Lower Upper
128 100	
127 12.1	10.4 15.6
129 8.2	9.0 13.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/09/2022
Supervised By :Mahesh Dadoda 06/09/2022



#80

Naphthalene,2-methyl-

Concen: 0.127 ppbv m

RT: 24.972 min Scan# 6900

Delta R.T. 0.006 min

Lab File: VL039235.D

Acq: 8 Jun 2022 15:00

Tgt Ion:142	Resp: 11510
Ion Ratio	Lower Upper
142 100	
141 29.1	64.6 96.8#
115 16.6	32.7 49.1#

