

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061322\
 Data File : VL039275.D
 Acq On : 14 Jun 2022 6:52
 Operator : SY/AP
 Sample : N3326-03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 06/14/2022
 Supervised By : Mahesh Dadoda 06/16/2022

Quant Time: Jun 14 08:10:28 2022

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed 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	5.671	49	1005062	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.179	114	2371168	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.085	117	2045799	10.000	ppbv	0.00

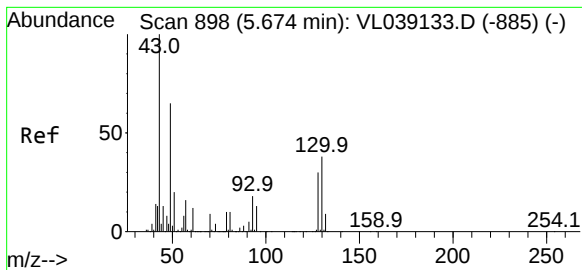
System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.410	95	1805945	10.678	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.800%

Target Compounds

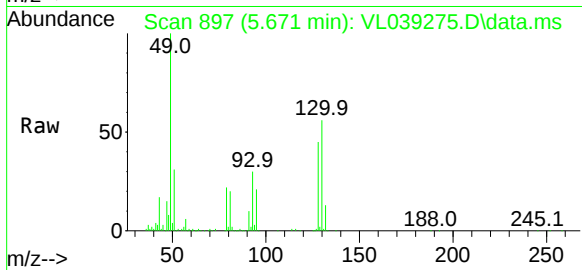
						Qvalue
2) Dichlorodifluoromethane	3.060	85	45035m	0.255	ppbv	
3) Chlorodifluoromethane	2.992	51	88946	0.696	ppbv #	86
4) Chloromethane	3.147	50	37247	0.567	ppbv	100
9) Propene	3.031	41	183930	3.299	ppbv #	73
11) Trichlorofluoromethane	3.960	101	60872	0.381	ppbv	87
12) 1,1,2-Trichlorotrifluo...	4.494	101	11678m	0.111	ppbv	
13) Ethanol	3.613	45	577582	189.933	ppbv #	100
15) Acetone	3.851	43	2169908	20.726	ppbv	92
17) tert-Butyl alcohol	4.311	59	18421	0.227	ppbv #	70
19) Isopropyl Alcohol	3.976	45	1915960	39.018	ppbv	100
20) Methylene Chloride	4.353	84	302700	6.861	ppbv	97
26) Hexane	5.693	57	229353	2.212	ppbv #	60
34) 2-Butanone	5.253	43	98005m	0.761	ppbv	
35) Carbon Tetrachloride	7.024	117	13261m	0.077	ppbv	
36) Benzene	6.896	78	61593	0.320	ppbv #	93
44) 2,2,4-Trimethylpentane	7.867	57	84634m	0.251	ppbv	
52) Tetrachloroethene	11.224	164	67183	0.894	ppbv	90
53) Toluene	9.806	91	182196m	0.822	ppbv	
58) Ethyl Benzene	12.706	91	39525m	0.140	ppbv	
59) m/p-Xylene	12.963	91	106376m	0.429	ppbv	
60) o-Xylene	13.690	91	45318m	0.194	ppbv	
61) Styrene	13.523	104	20659m	0.165	ppbv	
74) 1,2,4-Trimethylbenzene	16.757	105	59391m	0.216	ppbv	

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.671 min Scan# 89
Delta R.T. -0.003 min
Lab File: VL039275.D
Acq: 14 Jun 2022 6:52

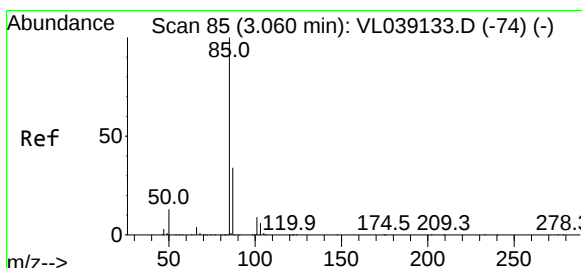
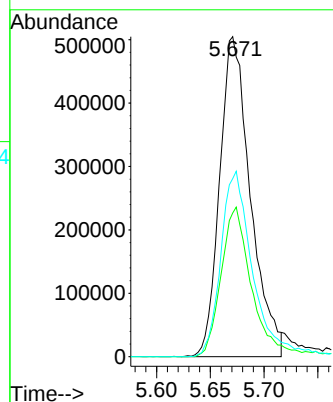
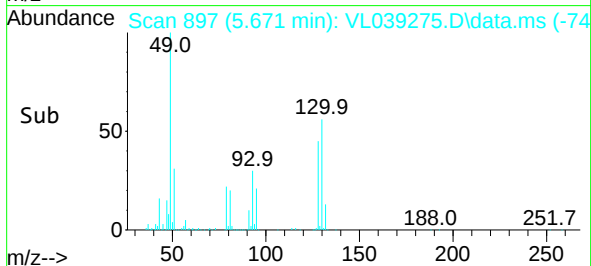
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 49 Resp: 1005062
Ion Ratio Lower Upper
49 100
128 48.1 24.7 74.1
130 60.9 31.4 94.0

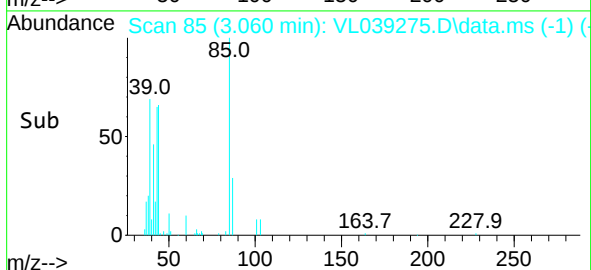
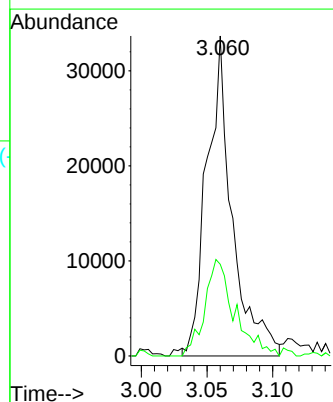
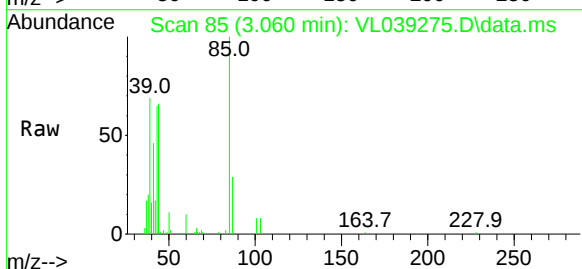
Manual Integrations
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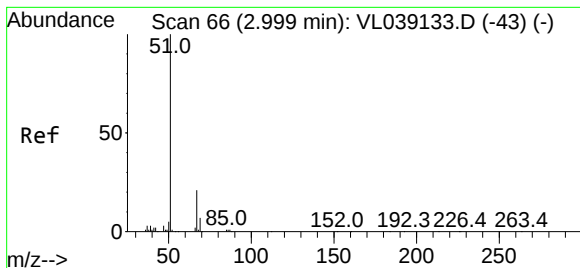
Reviewed By :Semsettin Yesilyurt 06/14/2022
Supervised By :Mahesh Dadoda 06/16/2022



#2
Dichlorodifluoromethane
Concen: 0.255 ppbv m
RT: 3.060 min Scan# 85
Delta R.T. -0.000 min
Lab File: VL039275.D
Acq: 14 Jun 2022 6:52

Tgt Ion: 85 Resp: 45035
Ion Ratio Lower Upper
85 100
87 28.7 26.9 40.3





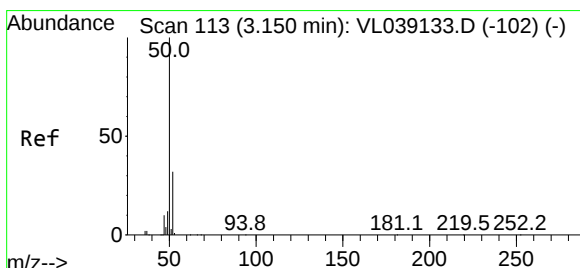
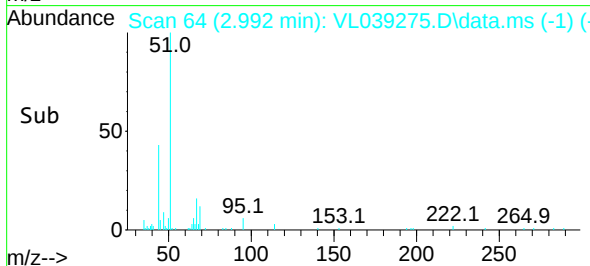
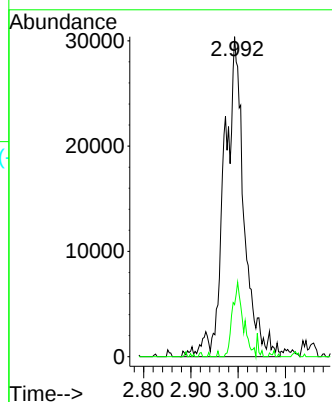
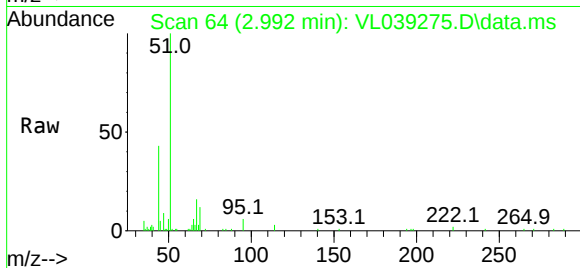
#3
Chlorodifluoromethane
Concen: 0.696 ppbv
RT: 2.992 min Scan# 64
Delta R.T. -0.007 min
Lab File: VL039275.D
Acq: 14 Jun 2022 6:52

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 51 Resp: 88940
Ion Ratio Lower Upper
51 100
67 13.7 16.2 24.4

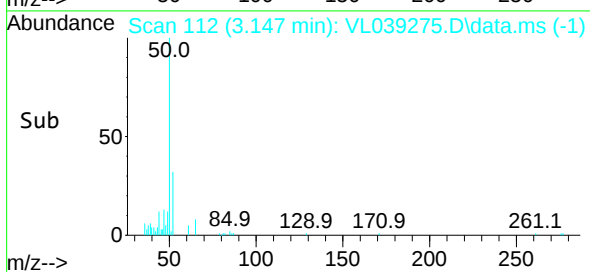
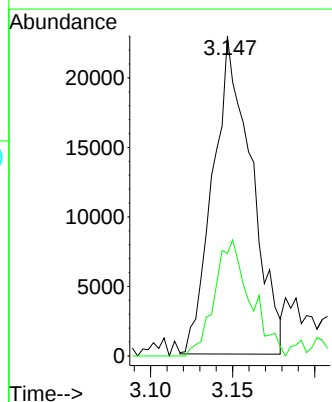
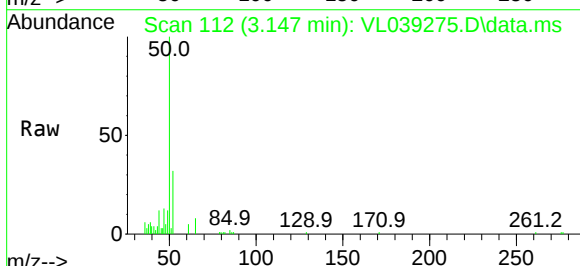
Manual Integrations
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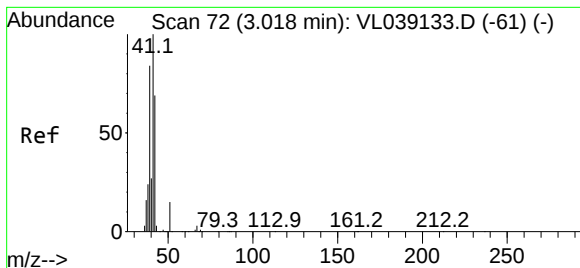
Reviewed By :Semsettin Yesilyurt 06/14/2022
Supervised By :Mahesh Dadoda 06/16/2022



#4
Chloromethane
Concen: 0.567 ppbv
RT: 3.147 min Scan# 112
Delta R.T. -0.003 min
Lab File: VL039275.D
Acq: 14 Jun 2022 6:52

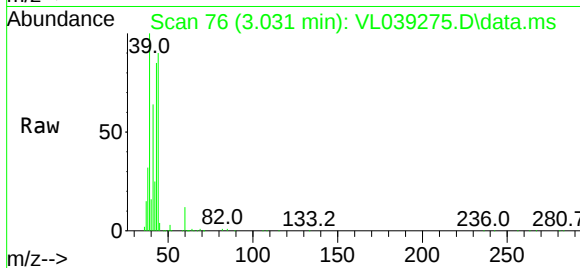
Tgt Ion: 50 Resp: 37247
Ion Ratio Lower Upper
50 100
52 32.3 25.9 38.9





#9
 Propene
 Concen: 3.299 ppbv
 RT: 3.031 min Scan# 70
 Delta R.T. 0.013 min
 Lab File: VL039275.D
 Acq: 14 Jun 2022 6:52

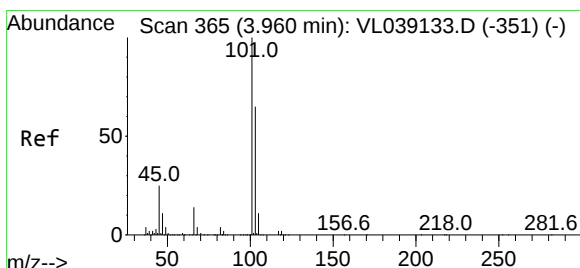
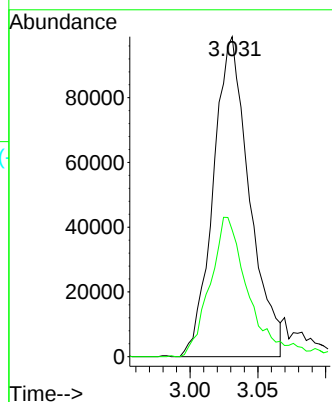
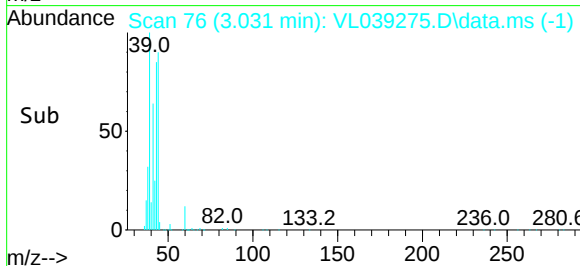
Instrument :
 MSVOA_L
 ClientSampleId :
 IA1



Tgt Ion: 41 Resp: 183930
 Ion Ratio Lower Upper
 41 100
 42 47.5 55.4 83.2

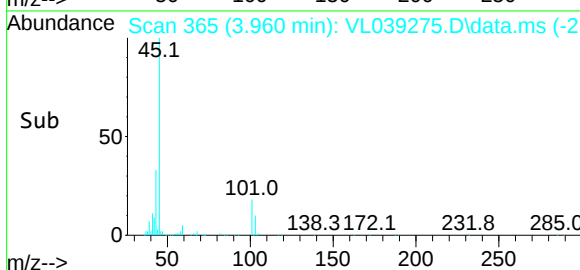
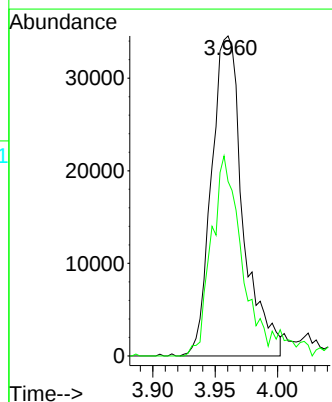
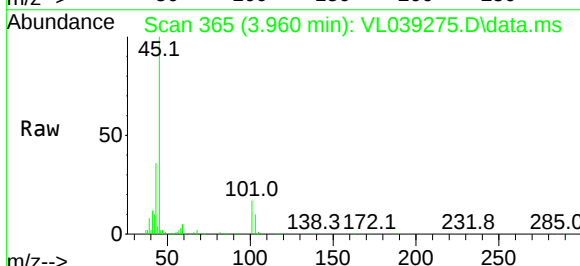
Manual Integrations
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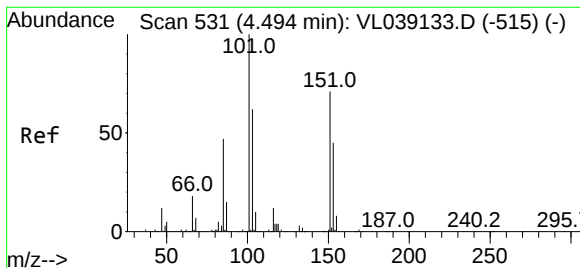
Reviewed By :Semsettin Yesilyurt 06/14/2022
 Supervised By :Mahesh Dadoda 06/16/2022



#11
 Trichlorofluoromethane
 Concen: 0.381 ppbv
 RT: 3.960 min Scan# 365
 Delta R.T. -0.000 min
 Lab File: VL039275.D
 Acq: 14 Jun 2022 6:52

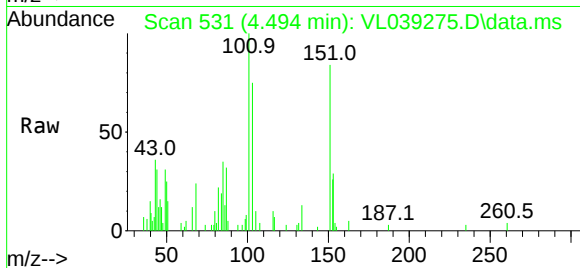
Tgt Ion:101 Resp: 60872
 Ion Ratio Lower Upper
 101 100
 103 54.6 51.7 77.5





#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.111 ppbv m
RT: 4.494 min Scan# 51
Delta R.T. -0.000 min
Lab File: VL039275.D
Acq: 14 Jun 2022 6:52

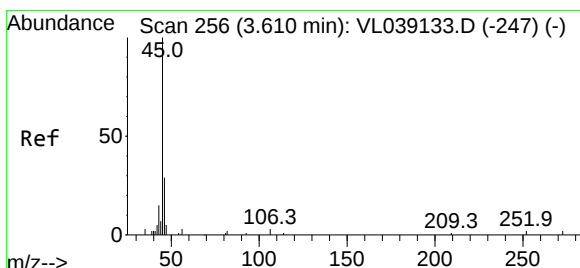
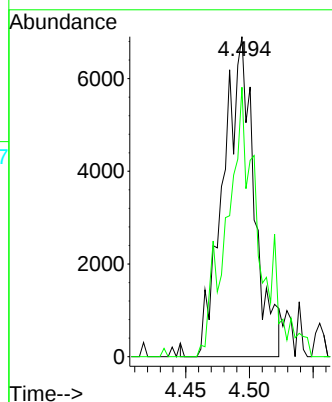
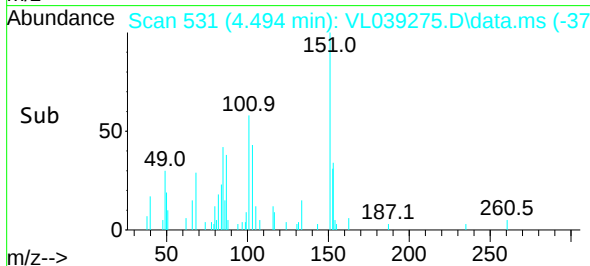
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion:101 Resp: 11678
Ion Ratio Lower Upper
101 100
151 88.3 59.4 89.0

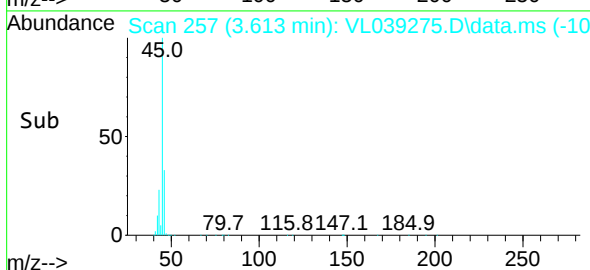
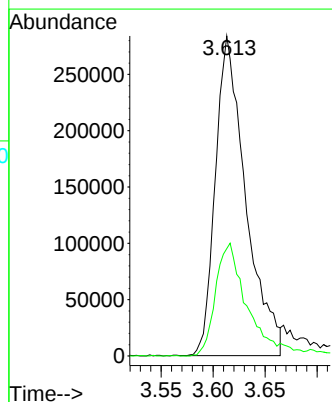
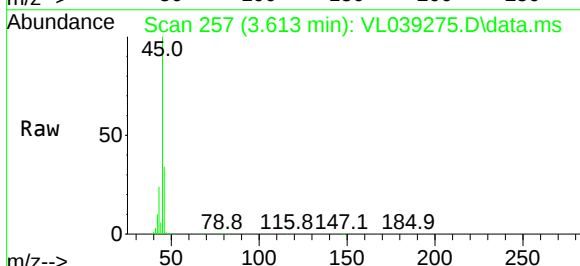
Manual Integrations
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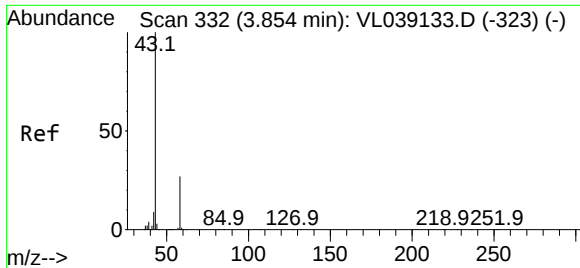
Reviewed By :Semsettin Yesilyurt 06/14/2022
Supervised By :Mahesh Dadoda 06/16/2022



#13
Ethanol
Concen: 189.933 ppbv
RT: 3.613 min Scan# 257
Delta R.T. 0.003 min
Lab File: VL039275.D
Acq: 14 Jun 2022 6:52

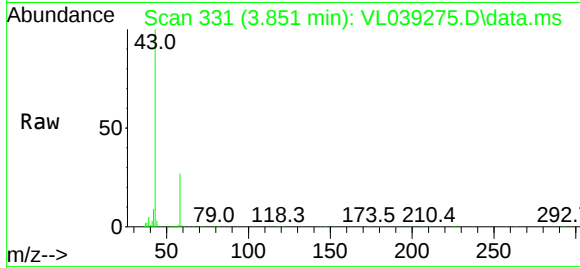
Tgt Ion: 45 Resp: 577582
Ion Ratio Lower Upper
45 100
46 38.3 0.0 0.0#





#15
Acetone
Concen: 20.726 ppbv
RT: 3.851 min Scan# 31
Delta R.T. -0.003 min
Lab File: VL039275.D
Acq: 14 Jun 2022 6:52

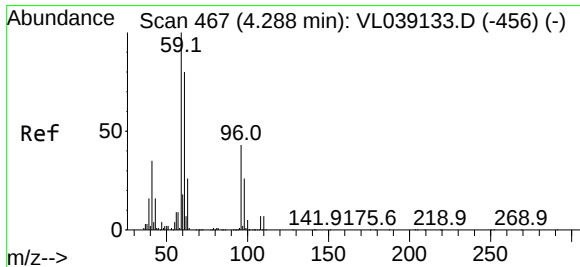
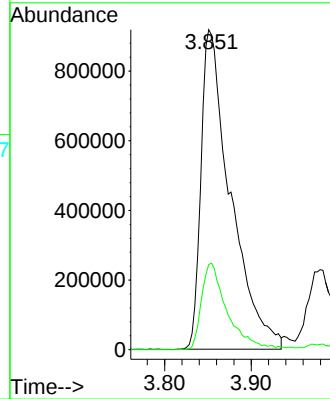
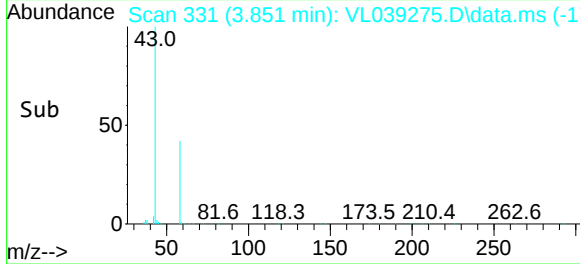
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 43 Resp: 2169908
Ion Ratio Lower Upper
43 100
58 23.9 22.5 33.7

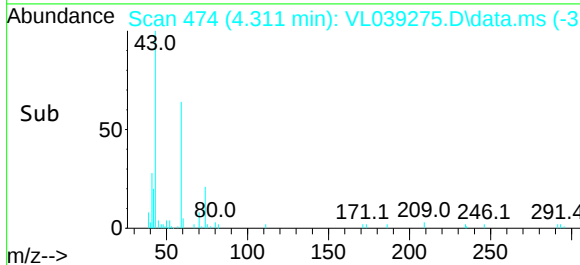
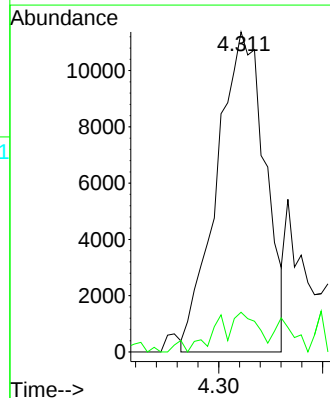
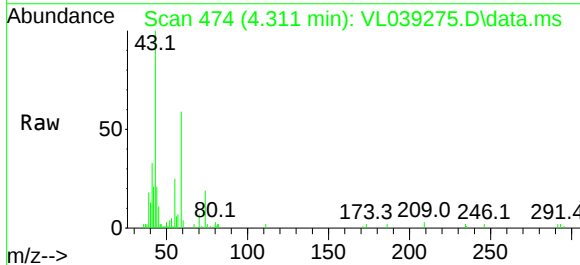
Manual Integrations
APPROVED

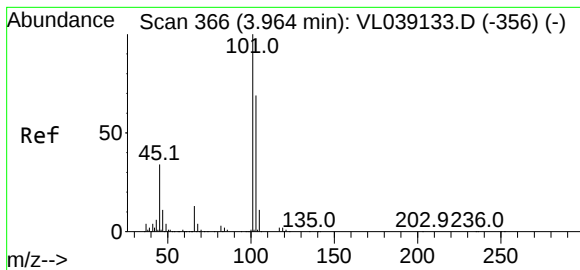
Reviewed By :Semsettin Yesilyurt 06/14/2022
Supervised By :Mahesh Dadoda 06/16/2022



#17
tert-Butyl alcohol
Concen: 0.227 ppbv
RT: 4.311 min Scan# 474
Delta R.T. 0.022 min
Lab File: VL039275.D
Acq: 14 Jun 2022 6:52

Tgt Ion: 59 Resp: 18421
Ion Ratio Lower Upper
59 100
57 0.0 9.1 13.7#





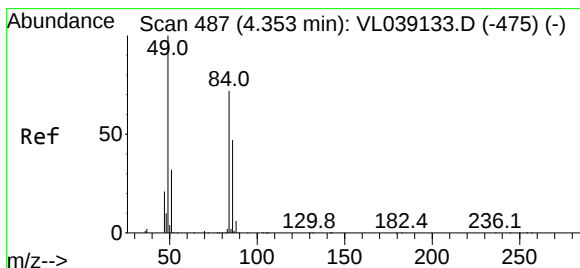
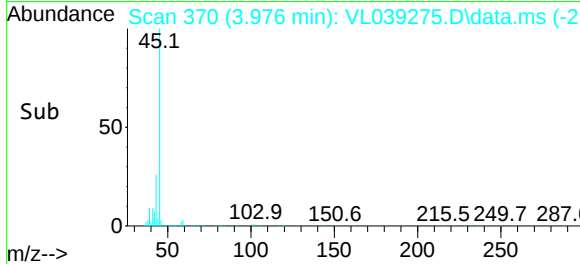
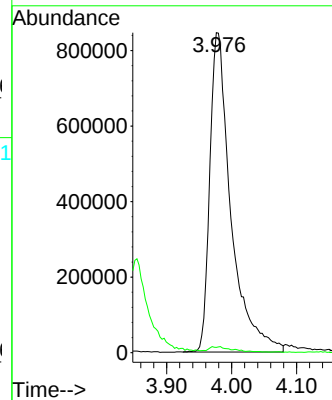
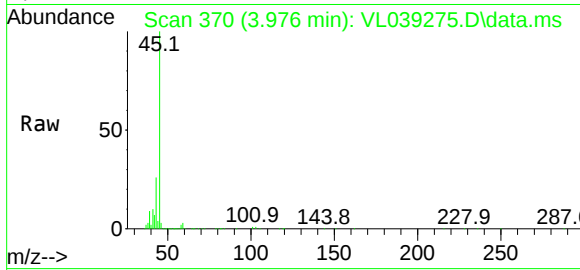
#19
Isopropyl Alcohol
Concen: 39.018 ppbv
RT: 3.976 min Scan# 31
Delta R.T. 0.013 min
Lab File: VL039275.D
Acq: 14 Jun 2022 6:52

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 45 Resp: 191596
Ion Ratio Lower Upper
45 100
58 2.3 1.8 2.8

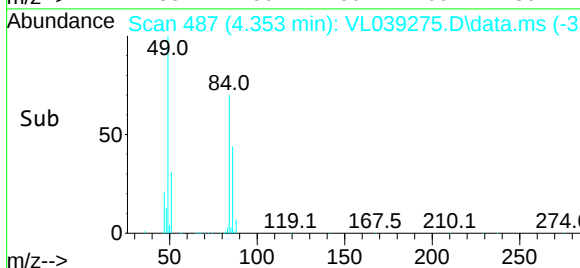
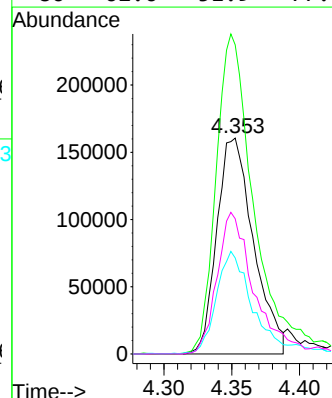
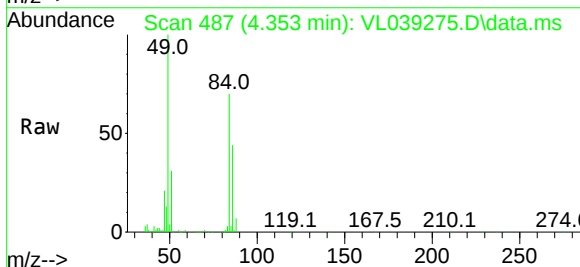
Manual Integrations
APPROVED

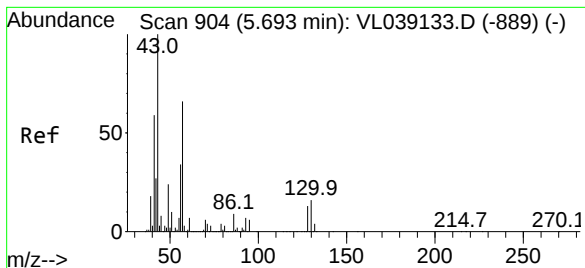
Reviewed By :Semsettin Yesilyurt 06/14/2022
Supervised By :Mahesh Dadoda 06/16/2022



#20
Methylene Chloride
Concen: 6.861 ppbv
RT: 4.353 min Scan# 487
Delta R.T. -0.000 min
Lab File: VL039275.D
Acq: 14 Jun 2022 6:52

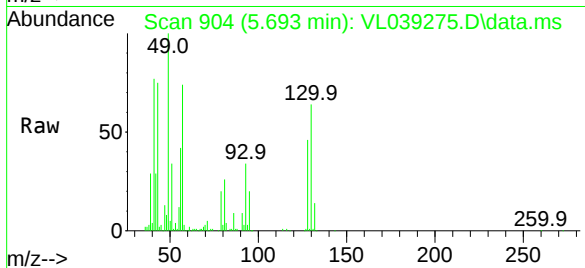
Tgt Ion: 84 Resp: 302700
Ion Ratio Lower Upper
84 100
49 142.8 111.1 166.7
51 44.1 35.3 52.9
86 62.6 51.9 77.9





#26
Hexane
Concen: 2.212 ppbv
RT: 5.693 min Scan# 904
Delta R.T. -0.000 min
Lab File: VL039275.D
Acq: 14 Jun 2022 6:52

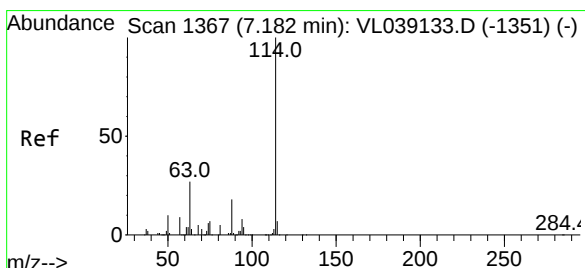
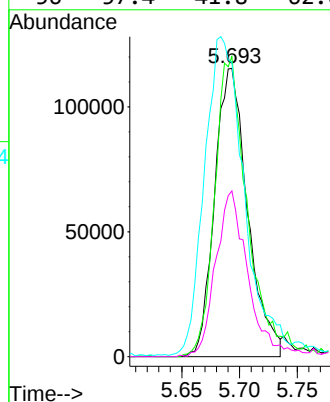
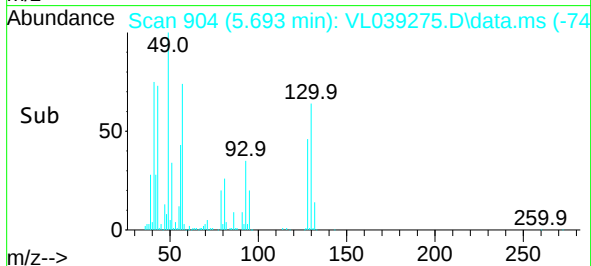
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 57 Resp: 22935
Ion Ratio Lower Upper
57 100
41 104.2 72.4 108.6
43 137.6 187.0 280.6
56 57.4 41.8 62.6

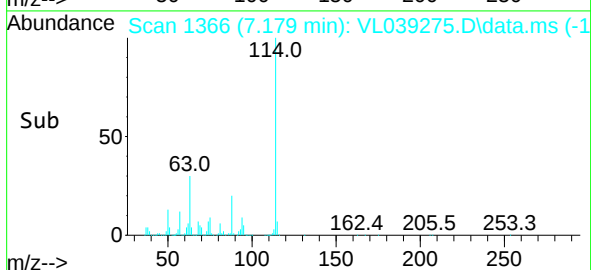
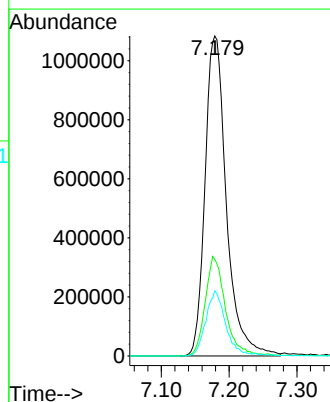
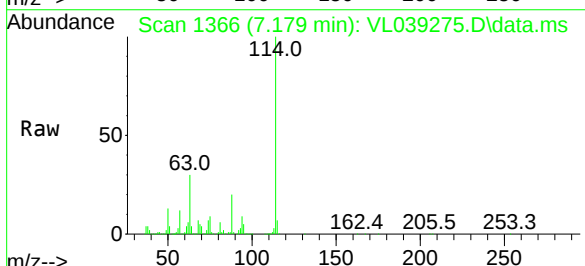
Manual Integrations
APPROVED

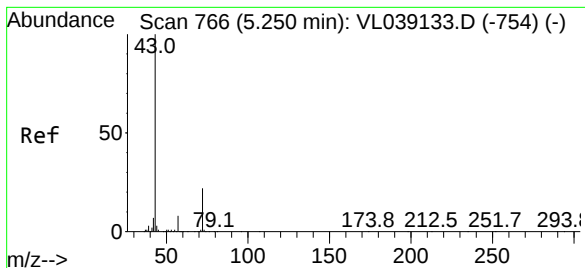
Reviewed By :Semsettin Yesilyurt 06/14/2022
Supervised By :Mahesh Dadoda 06/16/2022



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.179 min Scan# 1366
Delta R.T. -0.003 min
Lab File: VL039275.D
Acq: 14 Jun 2022 6:52

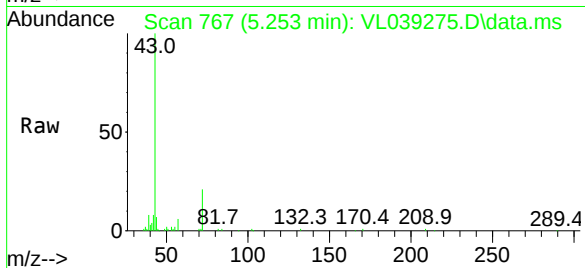
Tgt Ion:114 Resp: 2371168
Ion Ratio Lower Upper
114 100
63 29.7 21.7 32.5
88 19.3 14.8 22.2





#34
2-Butanone
Concen: 0.761 ppbv m
RT: 5.253 min Scan# 766
Delta R.T. 0.003 min
Lab File: VL039275.D
Acq: 14 Jun 2022 6:52

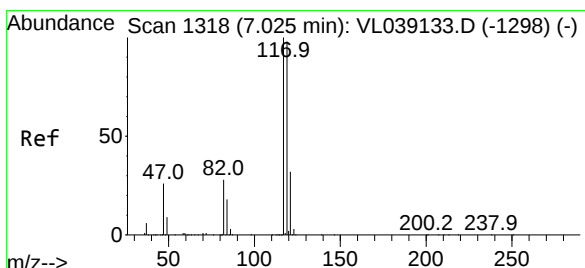
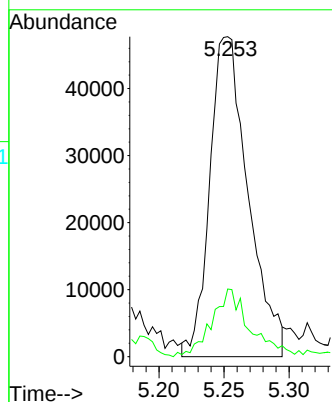
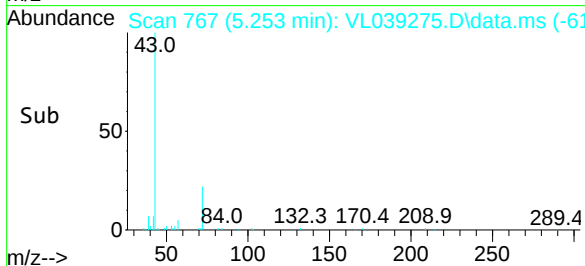
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 43 Resp: 9800
Ion Ratio Lower Upper
43 100
72 22.2 18.2 27.2

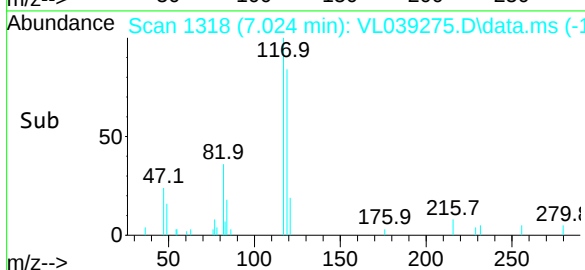
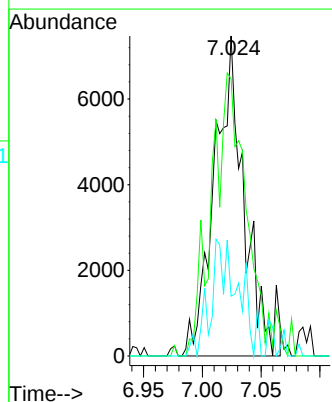
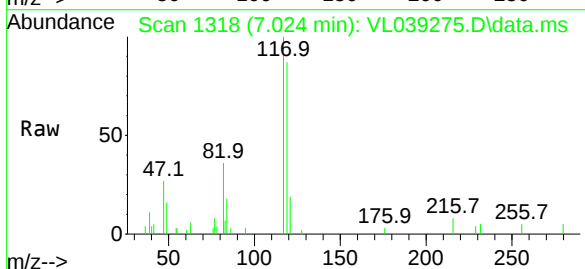
Manual Integrations
APPROVED

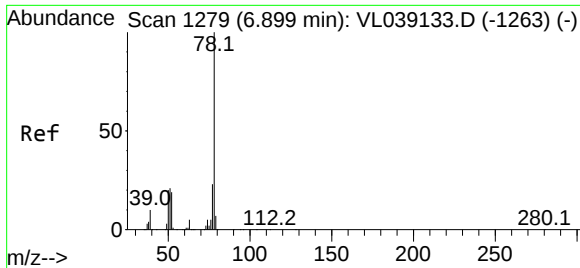
Reviewed By :Semsettin Yesilyurt 06/14/2022
Supervised By :Mahesh Dadoda 06/16/2022



#35
Carbon Tetrachloride
Concen: 0.077 ppbv m
RT: 7.024 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VL039275.D
Acq: 14 Jun 2022 6:52

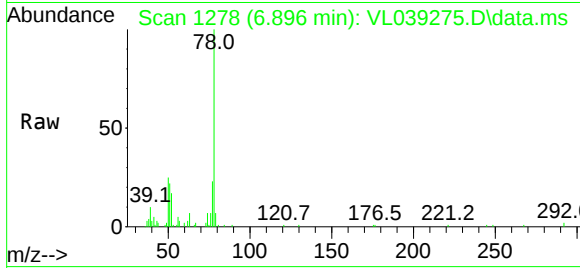
Tgt Ion:117 Resp: 13261
Ion Ratio Lower Upper
117 100
119 86.6 78.6 118.0
121 18.7 25.4 38.0#





#36
Benzene
Concen: 0.320 ppbv
RT: 6.896 min Scan# 11
Delta R.T. -0.003 min
Lab File: VL039275.D
Acq: 14 Jun 2022 6:52

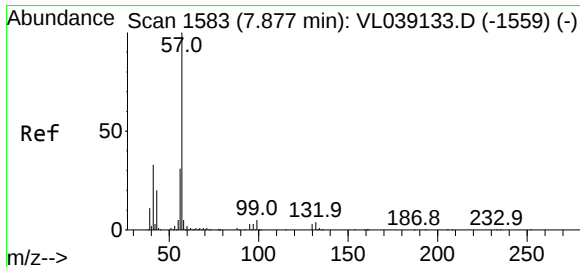
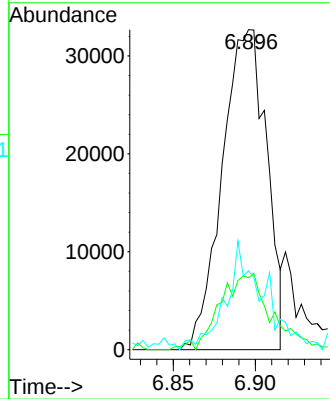
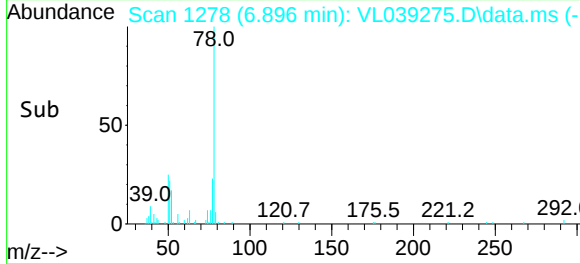
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 78 Resp: 6159
Ion Ratio Lower Upper
78 100
77 21.5 18.6 27.8
50 24.7 15.8 23.8

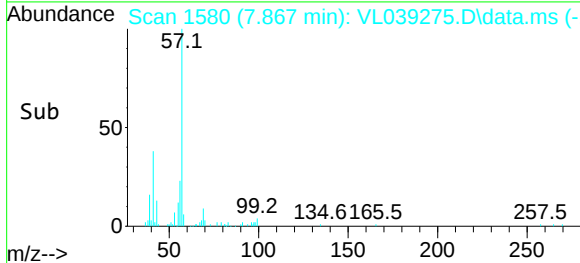
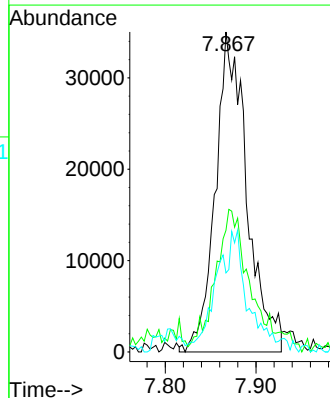
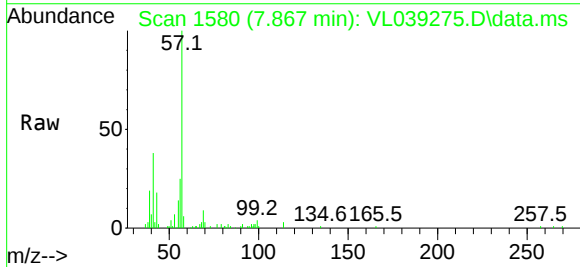
Manual Integrations
APPROVED

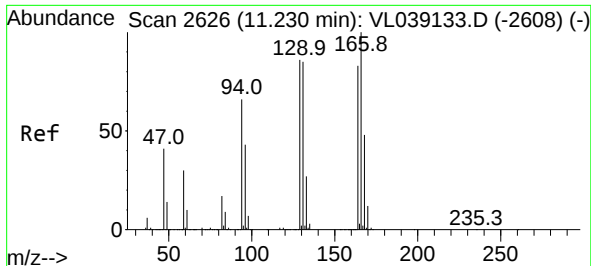
Reviewed By :Semsettin Yesilyurt 06/14/2022
Supervised By :Mahesh Dadoda 06/16/2022



#44
2,2,4-Trimethylpentane
Concen: 0.251 ppbv m
RT: 7.867 min Scan# 1580
Delta R.T. -0.010 min
Lab File: VL039275.D
Acq: 14 Jun 2022 6:52

Tgt Ion: 57 Resp: 84634
Ion Ratio Lower Upper
57 100
41 0.0 26.2 39.4#
56 0.0 24.7 37.1#





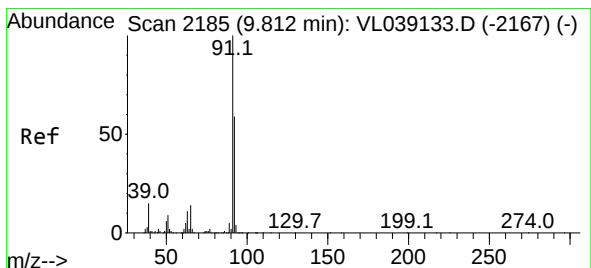
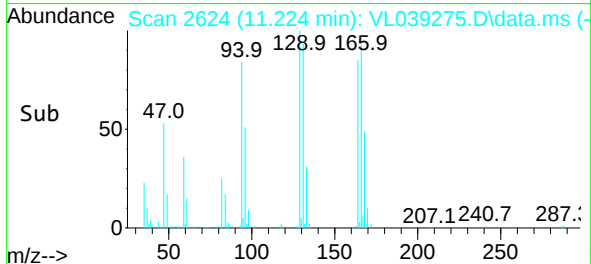
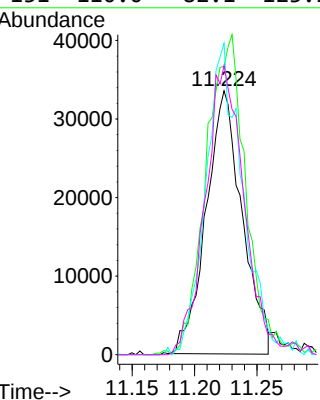
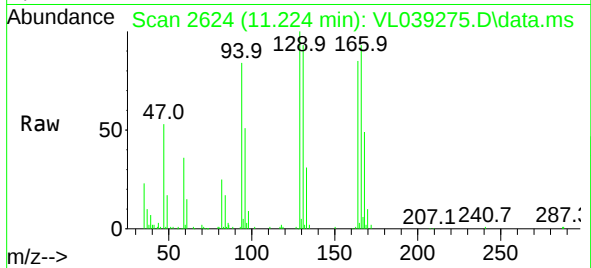
#52
Tetrachloroethene
Concen: 0.894 ppbv
RT: 11.224 min Scan# 2183
Delta R.T. -0.007 min
Lab File: VL039275.D
Acq: 14 Jun 2022 6:52

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion:164 Resp: 6718
Ion Ratio Lower Upper
164 100
166 108.4 96.3 144.5
129 115.8 82.5 123.7
131 110.0 82.1 123.1

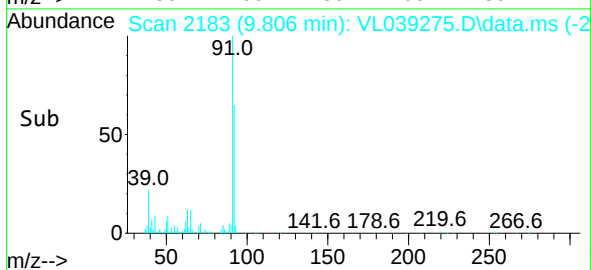
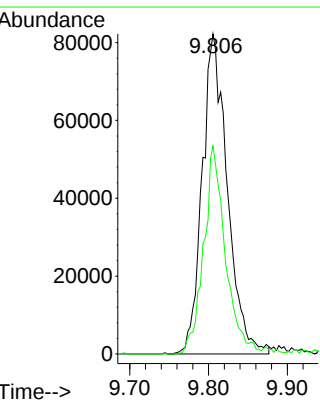
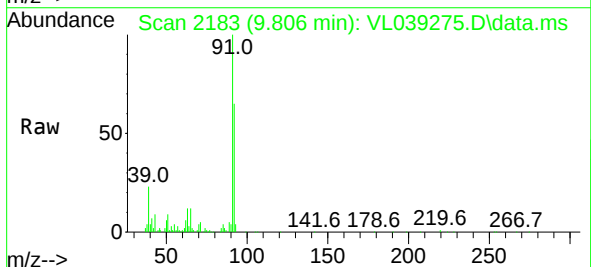
Manual Integrations
APPROVED

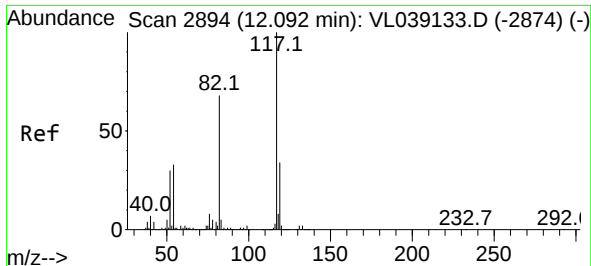
Reviewed By :Semsettin Yesilyurt 06/14/2022
Supervised By :Mahesh Dadoda 06/16/2022



#53
Toluene
Concen: 0.822 ppbv m
RT: 9.806 min Scan# 2183
Delta R.T. -0.007 min
Lab File: VL039275.D
Acq: 14 Jun 2022 6:52

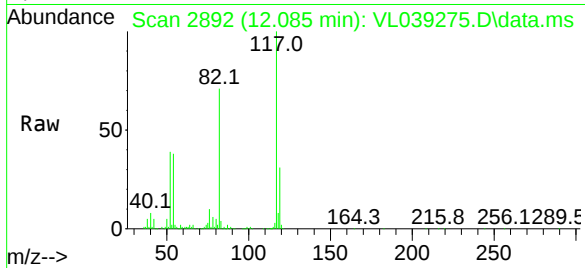
Tgt Ion: 91 Resp: 182196
Ion Ratio Lower Upper
91 100
92 57.5 48.1 72.1





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.085 min Scan# 2045799
Delta R.T. -0.007 min
Lab File: VL039275.D
Acq: 14 Jun 2022 6:52

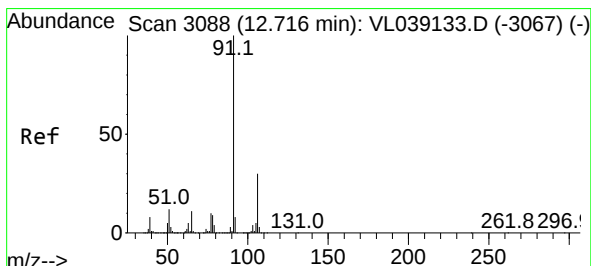
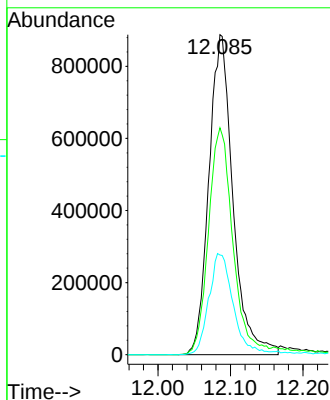
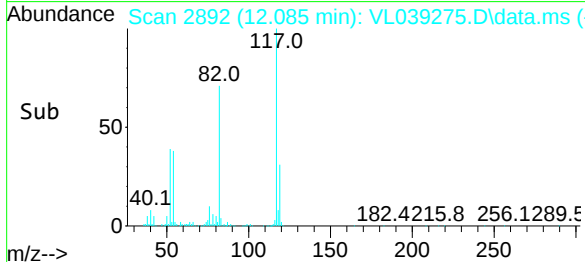
Instrument : MSVOA_L
ClientSampleId : IA1



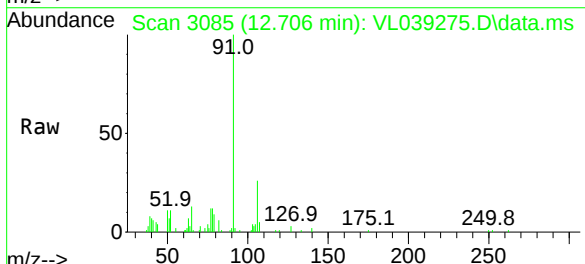
Tgt Ion: 117 Resp: 2045799
Ion Ratio Lower Upper
117 100
82 75.2 55.1 82.7
119 32.8 24.7 37.1

Manual Integrations
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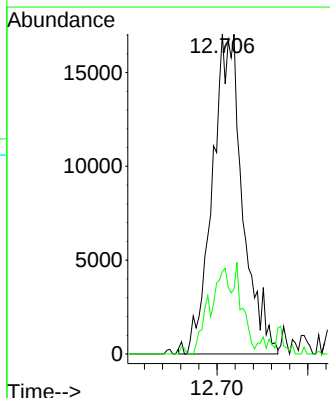
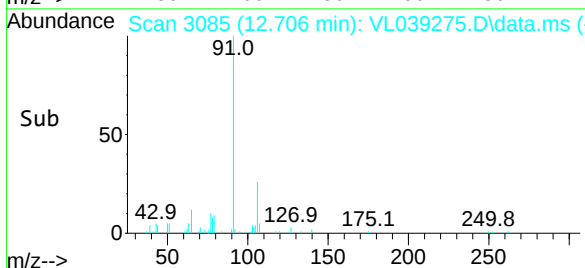
Reviewed By :Semsettin Yesilyurt 06/14/2022
Supervised By :Mahesh Dadoda 06/16/2022

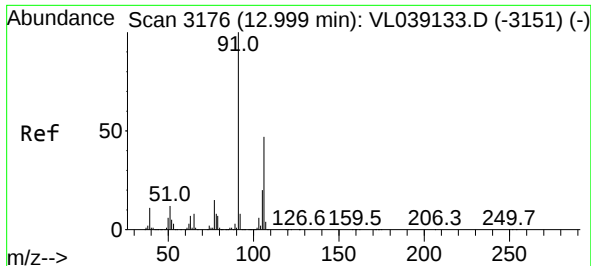


#58
Ethyl Benzene
Concen: 0.140 ppbv m
RT: 12.706 min Scan# 3085
Delta R.T. -0.010 min
Lab File: VL039275.D
Acq: 14 Jun 2022 6:52



Tgt Ion: 91 Resp: 39525
Ion Ratio Lower Upper
91 100
106 25.7 24.2 36.4





#59

m/p-Xylene

Concen: 0.429 ppbv m

RT: 12.963 min Scan# 3176

Delta R.T. -0.035 min

Lab File: VL039275.D

Acq: 14 Jun 2022 6:52

Instrument :

MSVOA_L

ClientSampleId :

IA1

Tgt Ion: 91 Resp: 106370

Ion Ratio Lower Upper

91 100

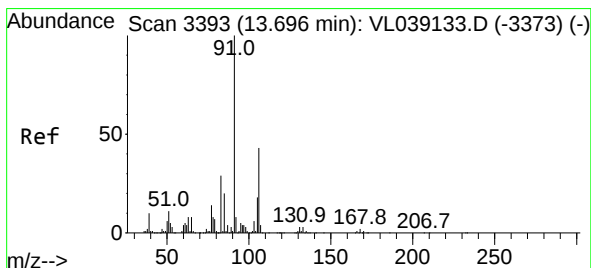
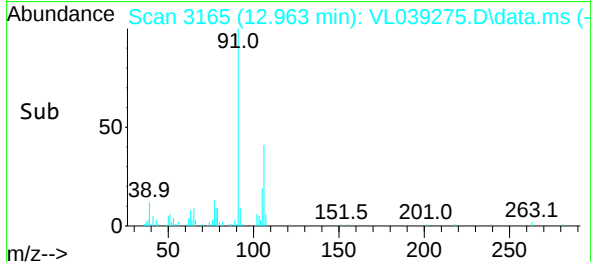
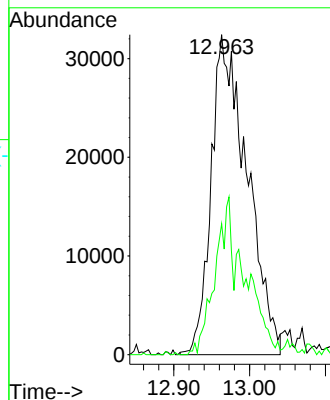
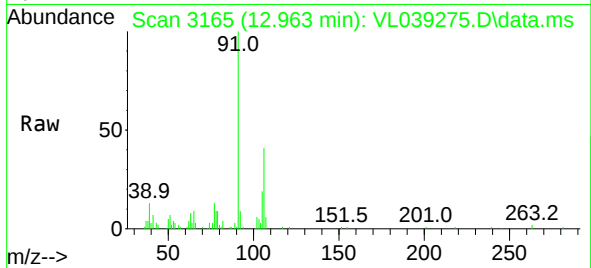
106 0.0 34.3 51.5

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 06/14/2022

Supervised By :Mahesh Dadoda 06/16/2022



#60

o-Xylene

Concen: 0.194 ppbv m

RT: 13.690 min Scan# 3391

Delta R.T. -0.007 min

Lab File: VL039275.D

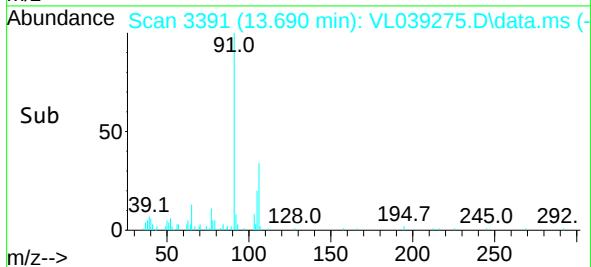
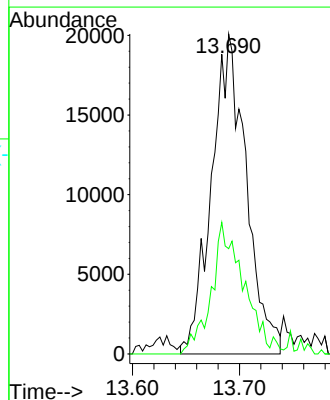
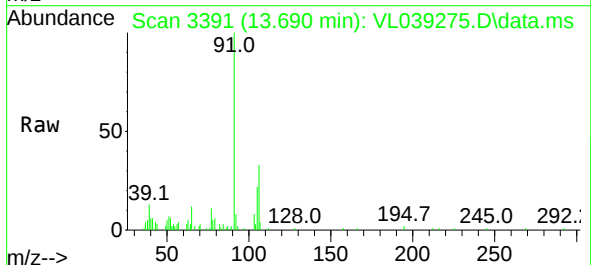
Acq: 14 Jun 2022 6:52

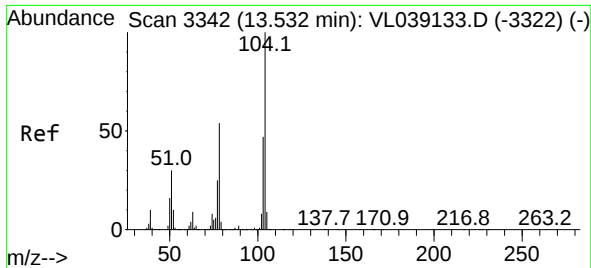
Tgt Ion: 91 Resp: 45318

Ion Ratio Lower Upper

91 100

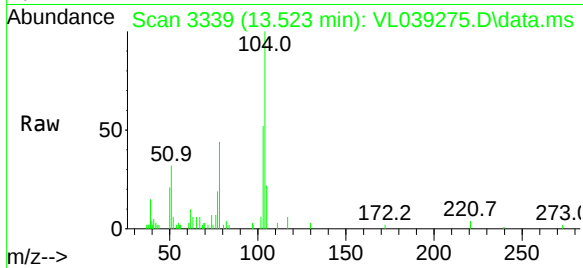
106 38.7 22.3 66.9





#61
Styrene
Concen: 0.165 ppbv m
RT: 13.523 min Scan# 3342
Delta R.T. -0.010 min
Lab File: VL039275.D
Acq: 14 Jun 2022 6:52

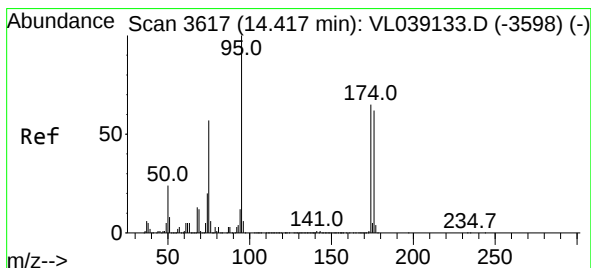
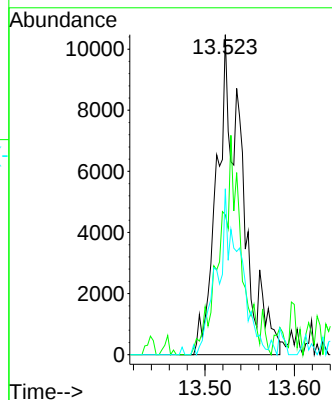
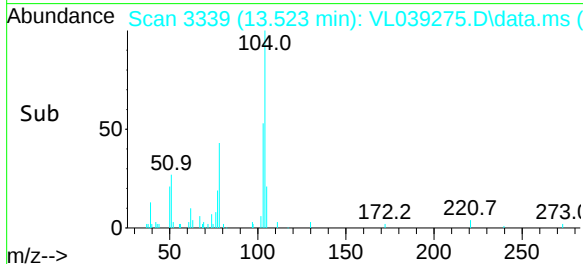
Instrument :
MSVOA_L
ClientSampleId :
IA1



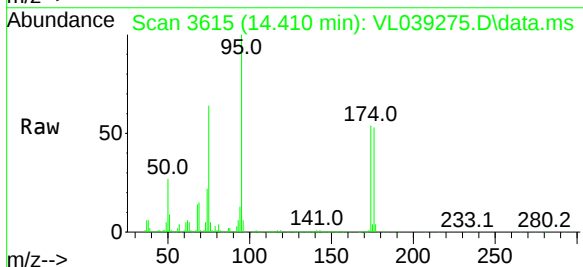
Tgt Ion:104 Resp: 20659
Ion Ratio Lower Upper
104 100
78 0.0 45.7 68.5
103 49.1 39.6 59.4

Manual Integrations
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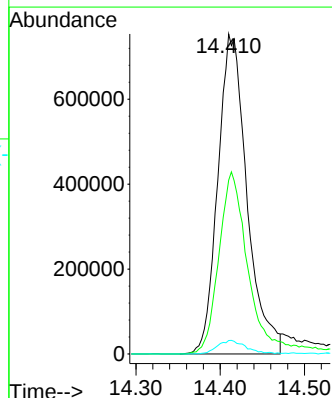
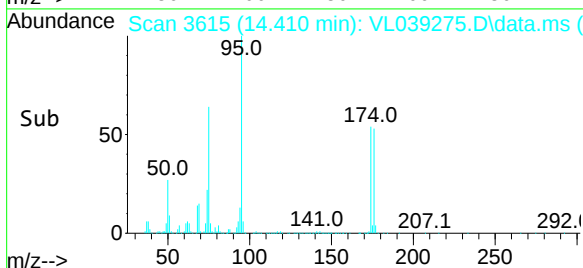
Reviewed By :Semsettin Yesilyurt 06/14/2022
Supervised By :Mahesh Dadoda 06/16/2022

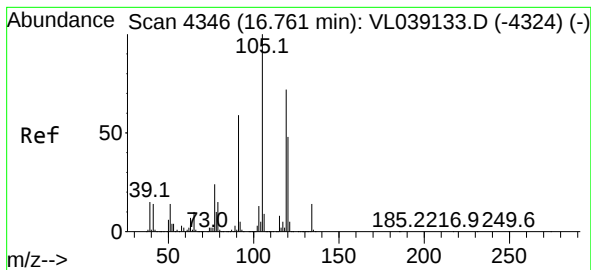


#68
1-Bromo-4-Fluorobenzene
Concen: 10.678 ppbv
RT: 14.410 min Scan# 3615
Delta R.T. -0.007 min
Lab File: VL039275.D
Acq: 14 Jun 2022 6:52



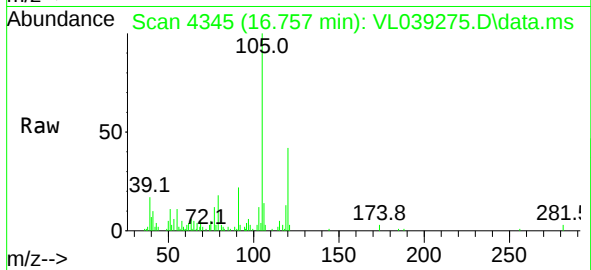
Tgt Ion: 95 Resp: 1805945
Ion Ratio Lower Upper
95 100
174 58.3 53.8 80.8
175 4.4 4.1 6.1





#74
 1,2,4-Trimethylbenzene
 Concen: 0.216 ppbv m
 RT: 16.757 min Scan# 41
 Delta R.T. -0.003 min
 Lab File: VL039275.D
 Acq: 14 Jun 2022 6:52

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1



Tgt Ion:	105	Resp:	5939
Ion	Ratio	Lower	Upper
105	100		
120	41.6	38.1	57.1
91	22.2	47.4	71.0
77	12.2	19.5	29.3

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/14/2022
 Supervised By :Mahesh Dadoda 06/16/2022

