

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060322\
 Data File : VL039173.D
 Acq On : 4 Jun 2022 11:15
 Operator : SY/AP
 Sample : N3106-09
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1

Manual Integrations
 APPROVED

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

Quant Time: Jun 06 00:44:13 2022

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 06 00:44:13 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	1242257	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.179	114	3211660	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.089	117	2784482	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.413	95	2261154	9.822	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.200%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.057	85	52819	0.242	ppbv	100
3) Chlorodifluoromethane	2.989	51	58364m	0.369	ppbv	
4) Chloromethane	3.147	50	46042	0.567	ppbv	95
9) Propene	3.025	41	61592	0.894	ppbv #	81
10) Heptane	8.124	43	21560m	0.134	ppbv	
11) Trichlorofluoromethane	3.957	101	45037m	0.228	ppbv	
13) Ethanol	3.607	45	225079m	59.883	ppbv	
15) Acetone	3.854	43	803406	6.209	ppbv	95
19) Isopropyl Alcohol	3.973	45	128081m	2.110	ppbv	
20) Methylene Chloride	4.353	84	1077915	19.766	ppbv	98
23) Vinyl Acetate	5.066	43	81592m	0.762	ppbv	
26) Hexane	5.693	57	976755	7.621	ppbv #	39
30) Cyclohexane	7.140	84	17102m	0.159	ppbv	
34) 2-Butanone	5.259	43	147272m	0.844	ppbv	
35) Carbon Tetrachloride	7.021	117	13946m	0.059	ppbv	
36) Benzene	6.889	78	44090m	0.169	ppbv	
41) Tetrahydrofuran	6.063	42	29509m	0.281	ppbv	
52) Tetrachloroethene	11.217	164	3906m	0.038	ppbv	
53) Toluene	9.809	91	114299	0.381	ppbv	98
58) Ethyl Benzene	12.712	91	40918m	0.107	ppbv	
59) m/p-Xylene	12.970	91	121901m	0.361	ppbv	
60) o-Xylene	13.690	91	51485m	0.162	ppbv	
74) 1,2,4-Trimethylbenzene	16.757	105	73718m	0.197	ppbv	

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

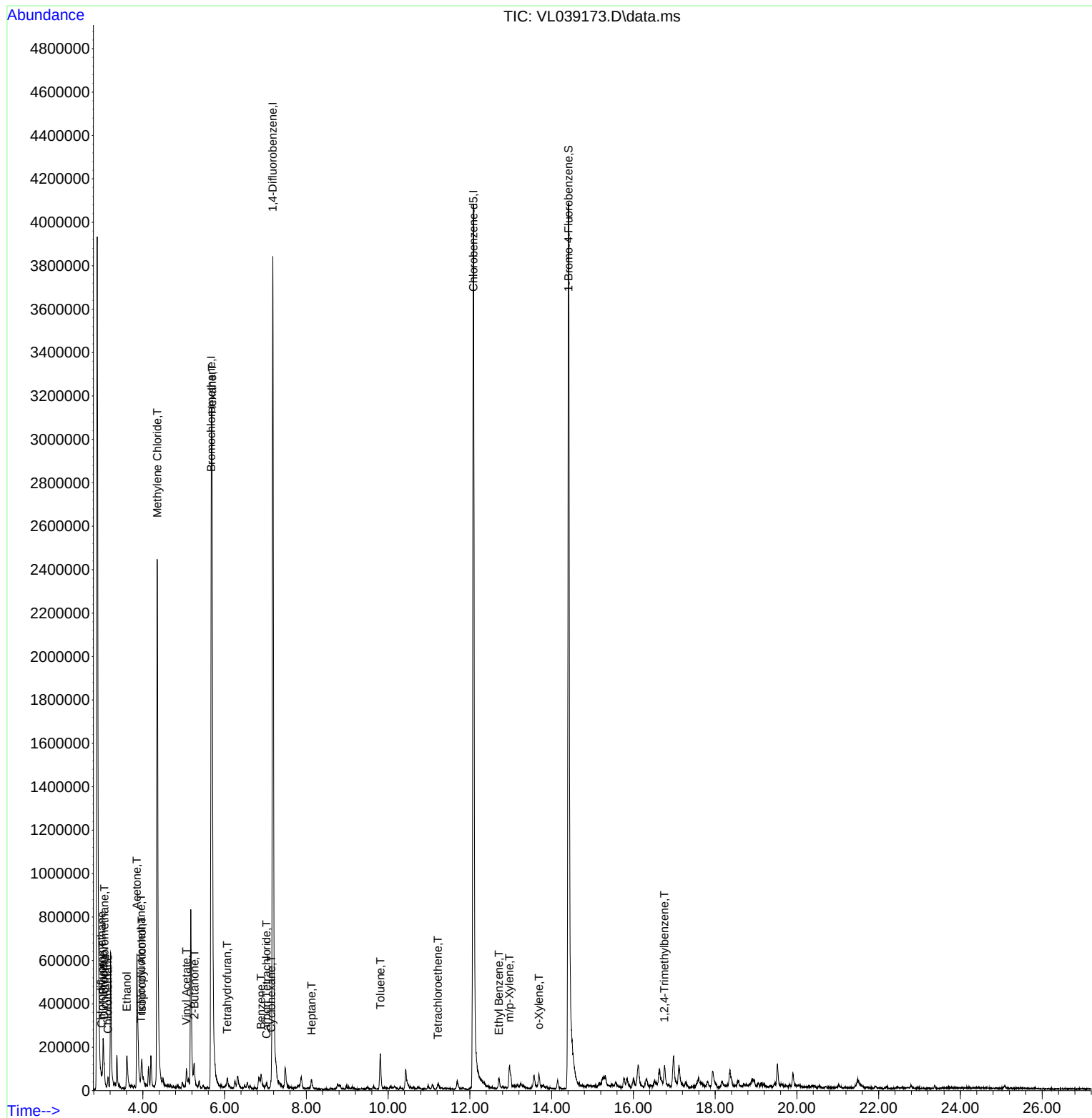
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060322\
Data File : VL039173.D
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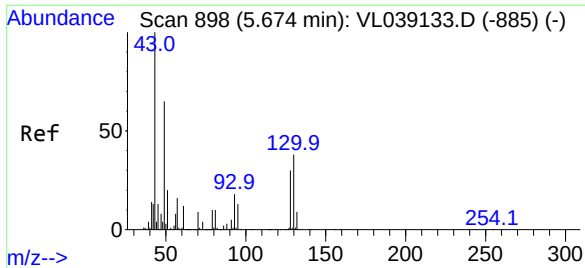
Instrument :
MSVOA_L
ClientSampleId :
OA1

Quant Time: Jun 06 00:44:13 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

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APPROVED

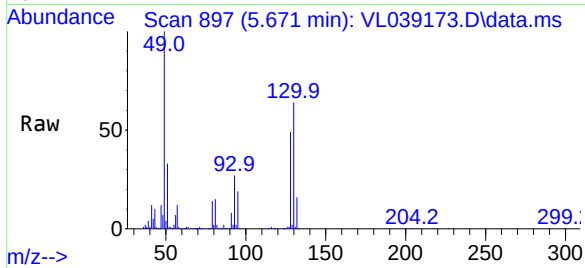
Reviewed By :Semsettin Yesilyurt 06/06/2022
Supervised By :Mahesh Dadoda 06/06/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.671 min Scan# 89
Delta R.T. -0.003 min
Lab File: VL039173.D
Acq: 4 Jun 2022 11:15

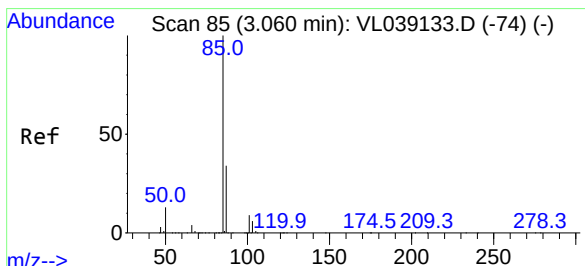
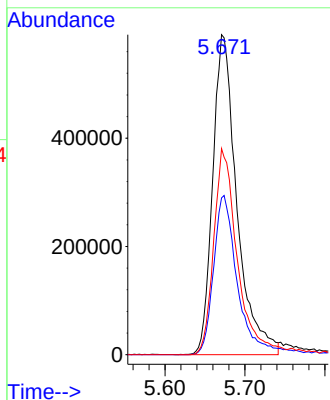
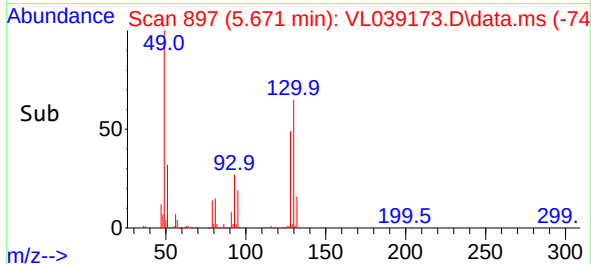
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion: 49 Resp: 124225
Ion Ratio Lower Upper
49 100
128 50.2 24.7 74.1
130 65.2 31.4 94.0

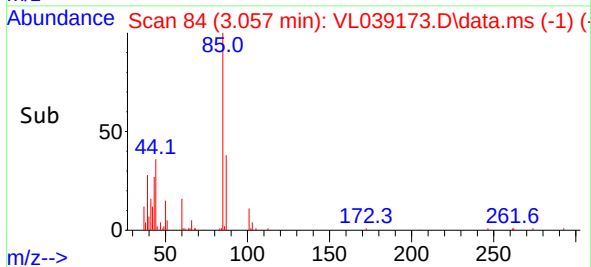
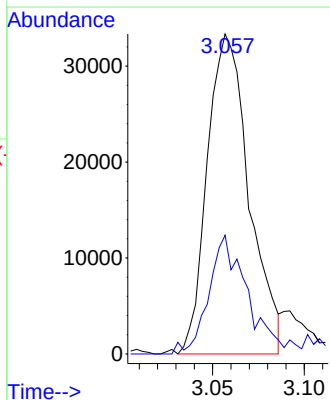
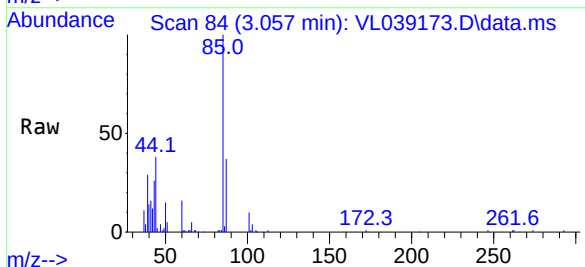
Manual Integrations
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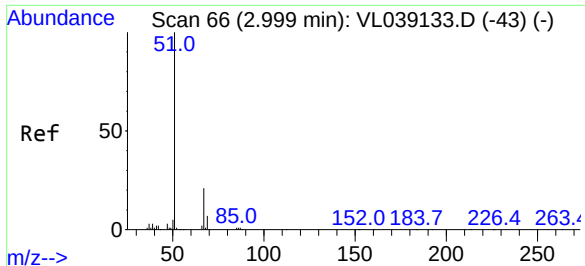
Reviewed By :Semsettin Yesilyurt 06/06/2022
Supervised By :Mahesh Dadoda 06/06/2022



#2
Dichlorodifluoromethane
Concen: 0.242 ppbv
RT: 3.057 min Scan# 84
Delta R.T. -0.003 min
Lab File: VL039173.D
Acq: 4 Jun 2022 11:15

Tgt Ion: 85 Resp: 52819
Ion Ratio Lower Upper
85 100
87 33.4 26.9 40.3





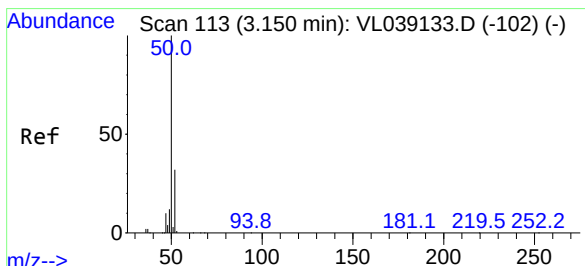
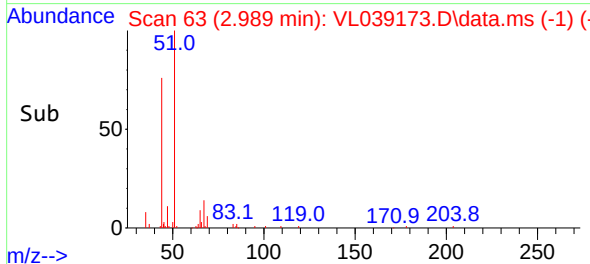
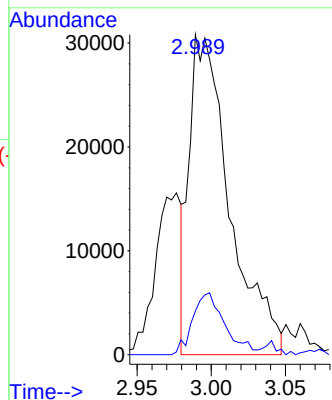
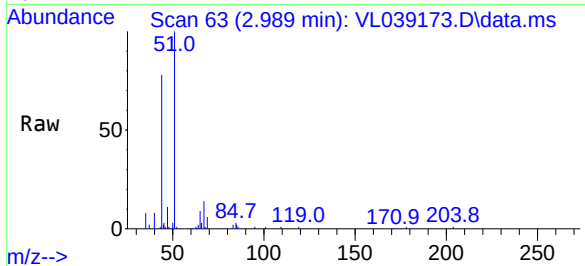
#3
Chlorodifluoromethane
Concen: 0.369 ppbv m
RT: 2.989 min Scan# 61
Delta R.T. -0.010 min
Lab File: VL039173.D
Acq: 4 Jun 2022 11:15

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 51 Resp: 58364
Ion Ratio Lower Upper
51 100
67 1.0 16.2 24.4

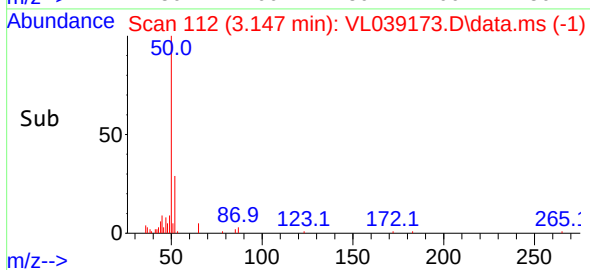
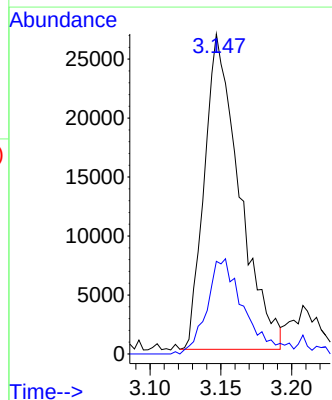
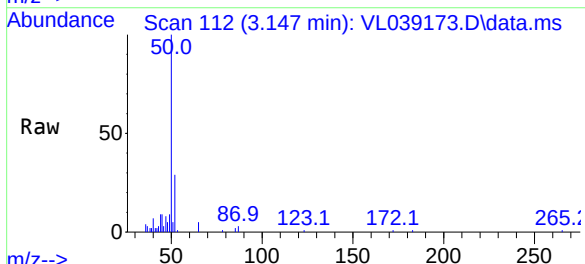
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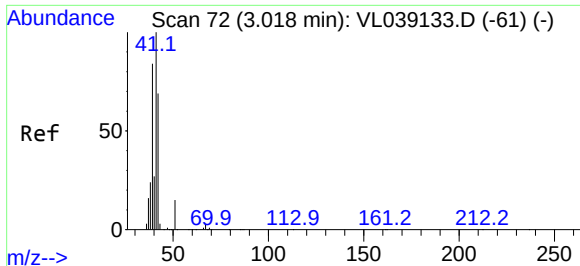
Reviewed By :Semsettin Yesilyurt 06/06/2022
Supervised By :Mahesh Dadoda 06/06/2022



#4
Chloromethane
Concen: 0.567 ppbv
RT: 3.147 min Scan# 112
Delta R.T. -0.003 min
Lab File: VL039173.D
Acq: 4 Jun 2022 11:15

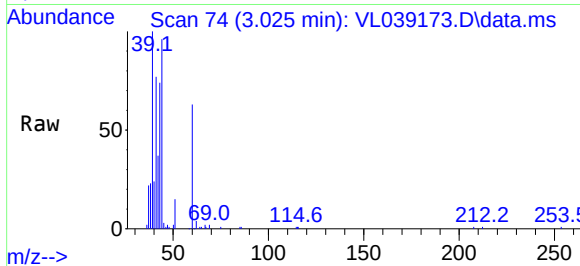
Tgt Ion: 50 Resp: 46042
Ion Ratio Lower Upper
50 100
52 29.4 25.9 38.9





#9
Propene
Concen: 0.894 ppbv
RT: 3.025 min Scan# 74
Delta R.T. 0.006 min
Lab File: VL039173.D
Acq: 4 Jun 2022 11:15

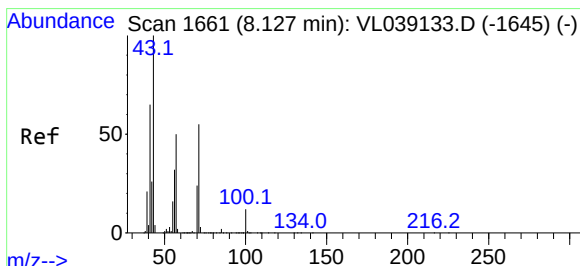
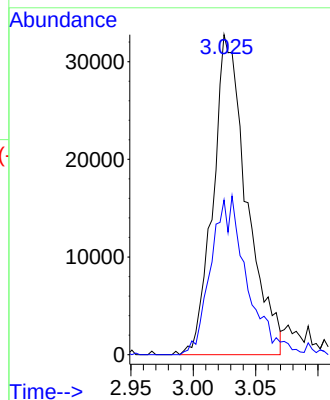
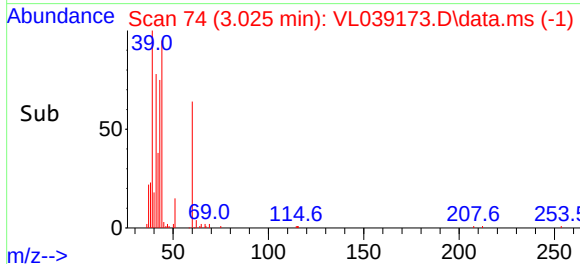
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion: 41 Resp: 61592
Ion Ratio Lower Upper
41 100
42 53.9 55.4 83.2

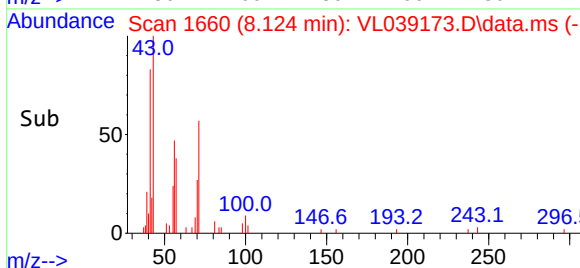
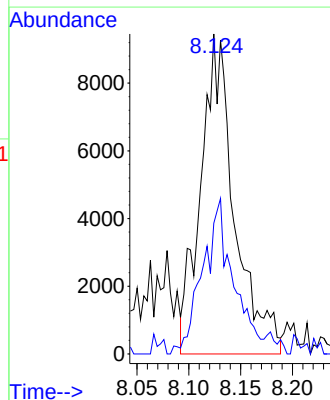
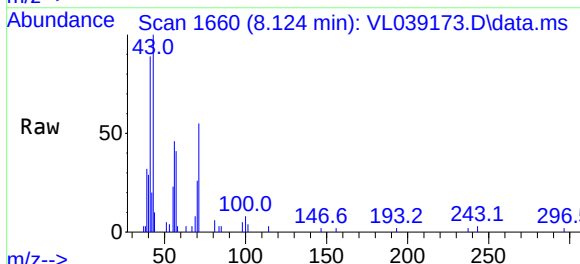
Manual Integrations
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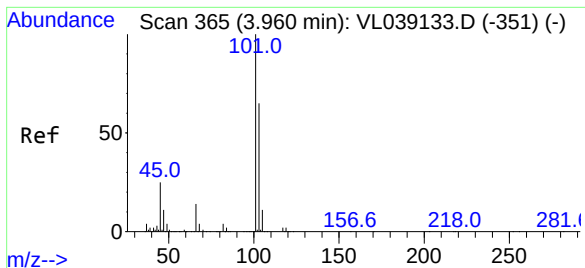
Reviewed By :Semsettin Yesilyurt 06/06/2022
Supervised By :Mahesh Dadoda 06/06/2022



#10
Heptane
Concen: 0.134 ppbv m
RT: 8.124 min Scan# 1660
Delta R.T. -0.003 min
Lab File: VL039173.D
Acq: 4 Jun 2022 11:15

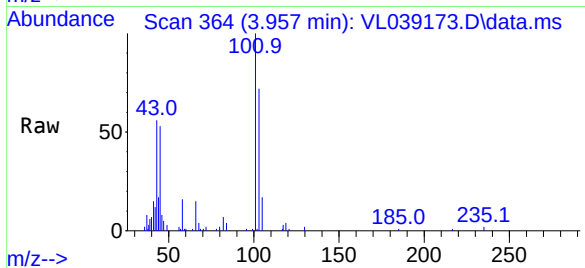
Tgt Ion: 43 Resp: 21560
Ion Ratio Lower Upper
43 100
57 0.0 41.4 62.2





#11
Trichlorofluoromethane
Concen: 0.228 ppbv m
RT: 3.957 min Scan# 30
Delta R.T. -0.003 min
Lab File: VL039173.D
Acq: 4 Jun 2022 11:15

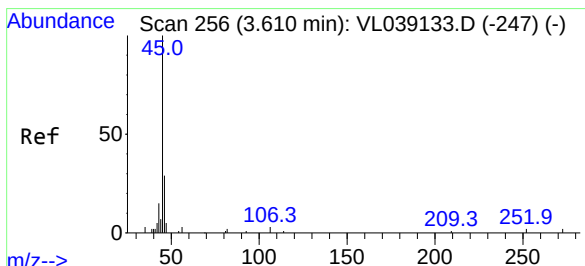
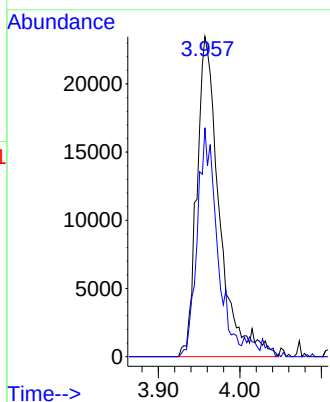
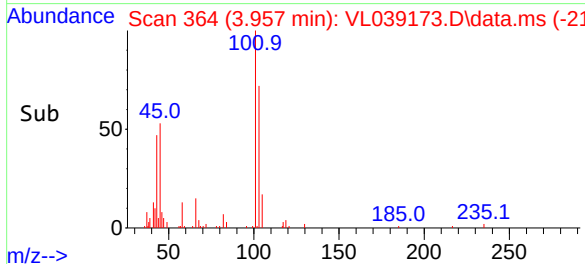
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion:101 Resp: 4503
Ion Ratio Lower Upper
101 100
103 71.5 51.7 77.5

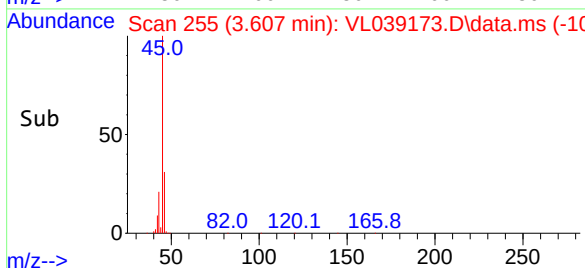
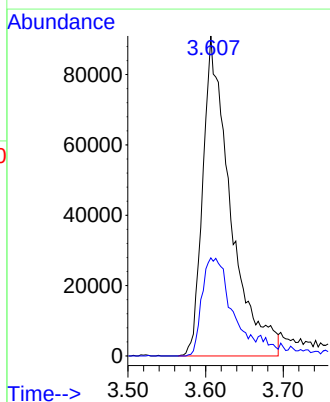
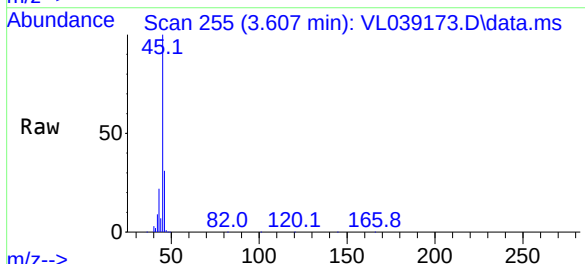
Manual Integrations
APPROVED

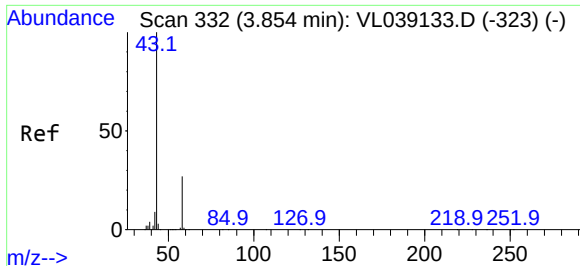
Reviewed By :Semsettin Yesilyurt 06/06/2022
Supervised By :Mahesh Dadoda 06/06/2022



#13
Ethanol
Concen: 59.883 ppbv m
RT: 3.607 min Scan# 255
Delta R.T. -0.003 min
Lab File: VL039173.D
Acq: 4 Jun 2022 11:15

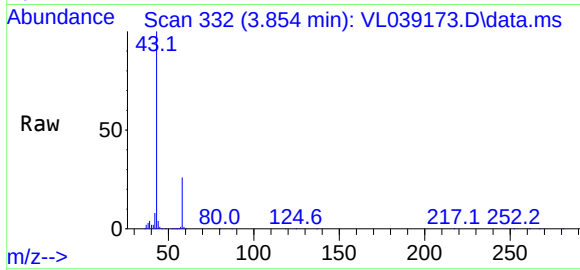
Tgt Ion: 45 Resp: 225079
Ion Ratio Lower Upper
45 100
46 37.7 0.0 0.0#





#15
Acetone
Concen: 6.209 ppbv
RT: 3.854 min Scan# 31
Delta R.T. -0.000 min
Lab File: VL039173.D
Acq: 4 Jun 2022 11:15

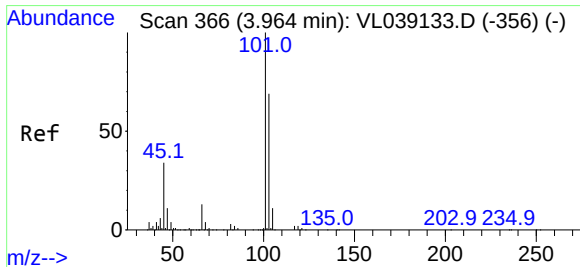
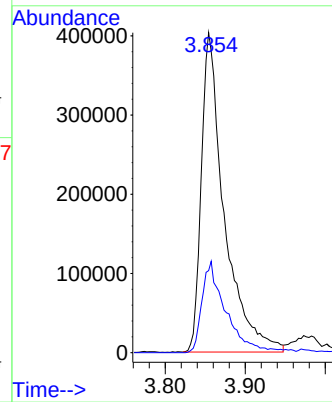
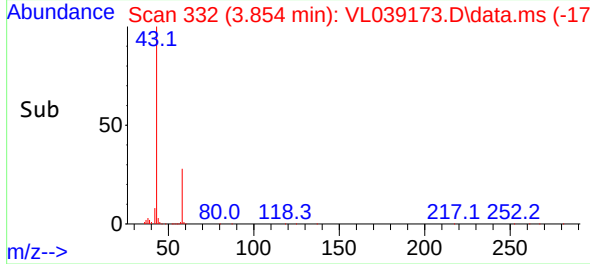
Instrument :
MSVOA_L
ClientSampleId :
OA1



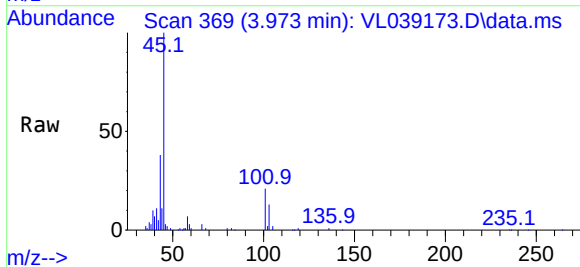
Tgt Ion: 43 Resp: 803400
Ion Ratio Lower Upper
43 100
58 30.7 22.5 33.7

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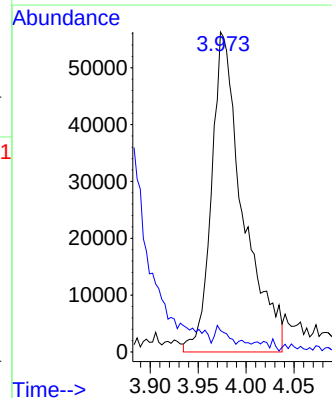
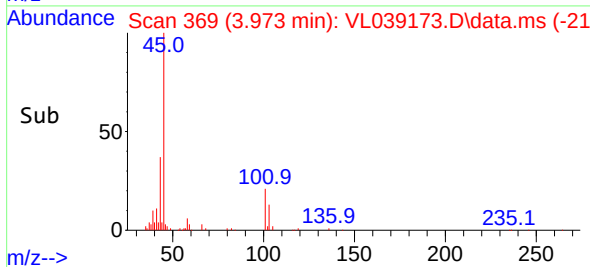
Reviewed By :Semsettin Yesilyurt 06/06/2022
Supervised By :Mahesh Dadoda 06/06/2022

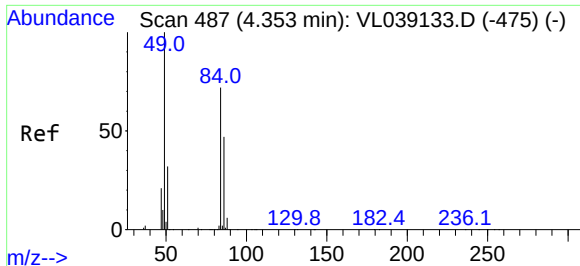


#19
Isopropyl Alcohol
Concen: 2.110 ppbv m
RT: 3.973 min Scan# 369
Delta R.T. 0.010 min
Lab File: VL039173.D
Acq: 4 Jun 2022 11:15



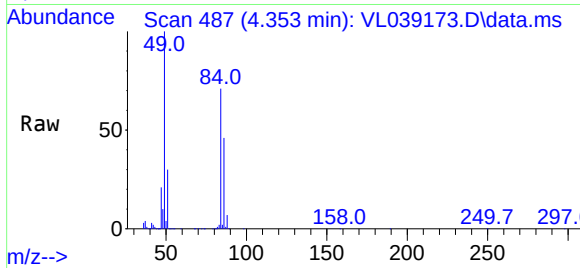
Tgt Ion: 45 Resp: 128081
Ion Ratio Lower Upper
45 100
58 7.5 1.8 2.8#





#20
Methylene Chloride
Concen: 19.766 ppbv
RT: 4.353 min Scan# 41
Delta R.T. -0.000 min
Lab File: VL039173.D
Acq: 4 Jun 2022 11:15

Instrument :
MSVOA_L
ClientSampleId :
OA1

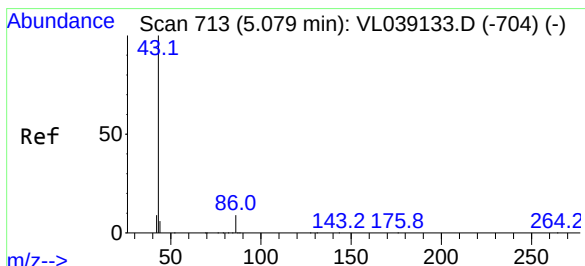
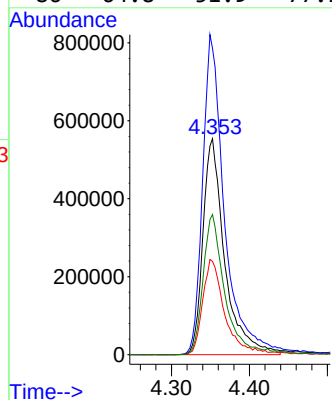
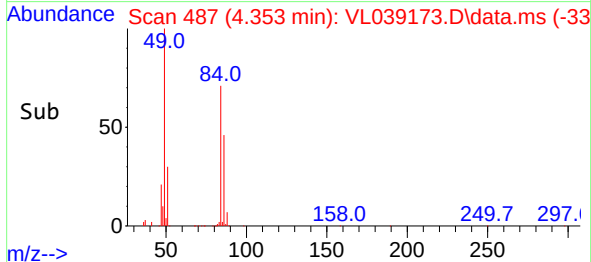


Tgt Ion: 84 Resp: 107791

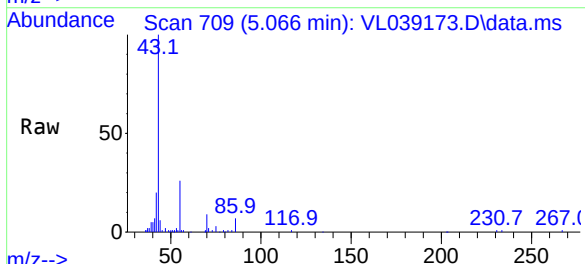
Ion	Ratio	Lower	Upper
84	100		
49	141.7	111.1	166.7
51	43.0	35.3	52.9
86	64.8	51.9	77.9

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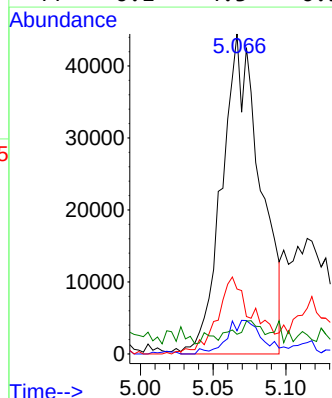
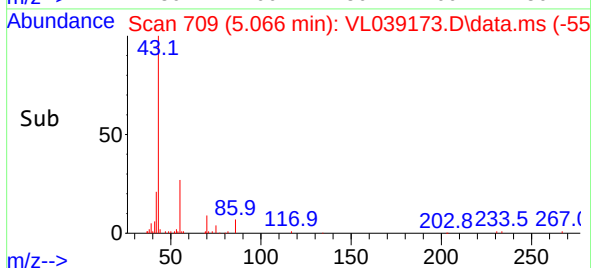


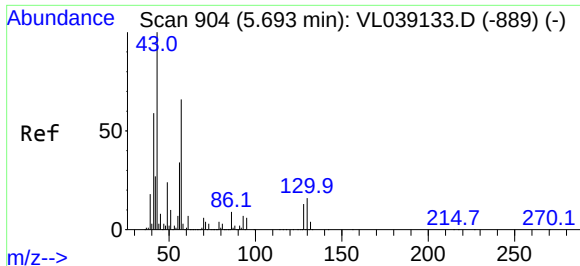
#23
Vinyl Acetate
Concen: 0.762 ppbv m
RT: 5.066 min Scan# 709
Delta R.T. -0.013 min
Lab File: VL039173.D
Acq: 4 Jun 2022 11:15



Tgt Ion: 43 Resp: 81592

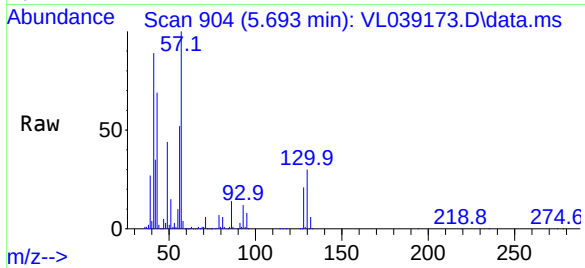
Ion	Ratio	Lower	Upper
43	100		
86	7.2	6.0	9.0
42	20.3	8.2	12.4
44	6.1	4.3	6.5





#26
Hexane
Concen: 7.621 ppbv
RT: 5.693 min Scan# 904
Delta R.T. -0.000 min
Lab File: VL039173.D
Acq: 4 Jun 2022 11:15

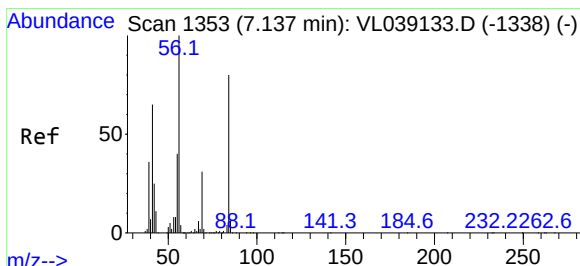
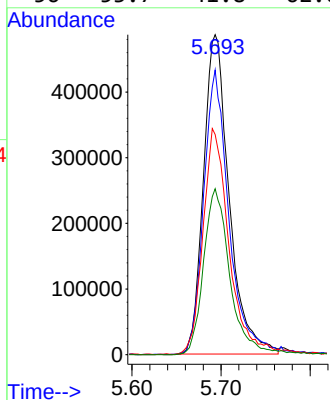
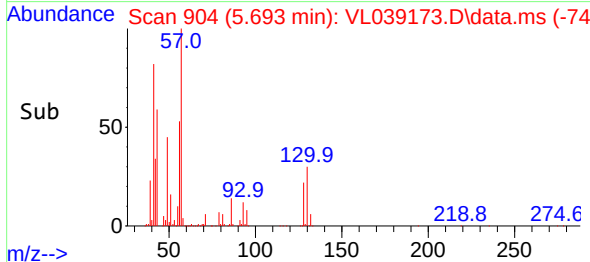
Instrument :
MSVOA_L
ClientSampleId :
OA1



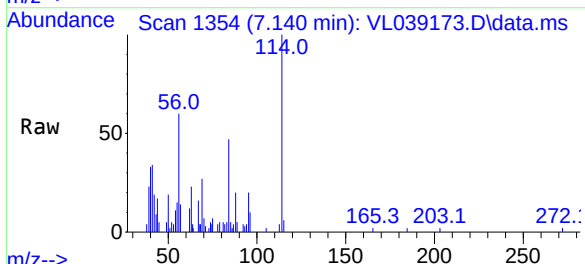
Tgt Ion: 57 Resp: 97675
Ion Ratio Lower Upper
57 100
41 89.6 72.4 108.6
43 72.3 187.0 280.6
56 53.7 41.8 62.6

Manual Integrations
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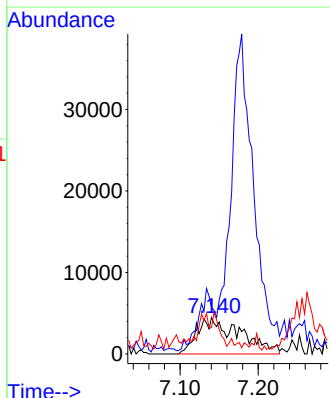
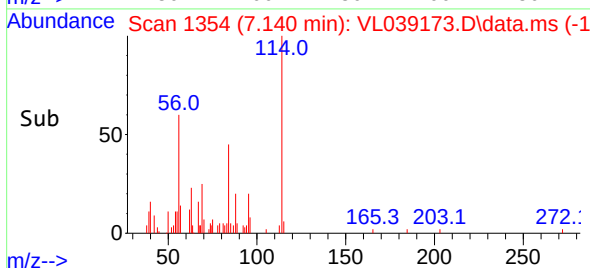
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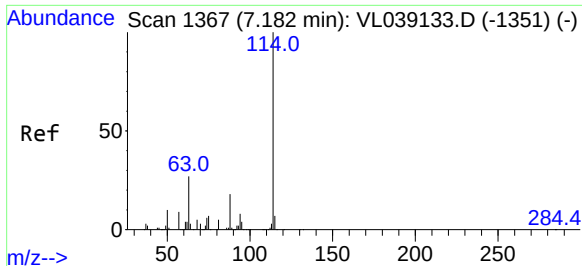


#30
Cyclohexane
Concen: 0.159 ppbv m
RT: 7.140 min Scan# 1354
Delta R.T. 0.003 min
Lab File: VL039173.D
Acq: 4 Jun 2022 11:15



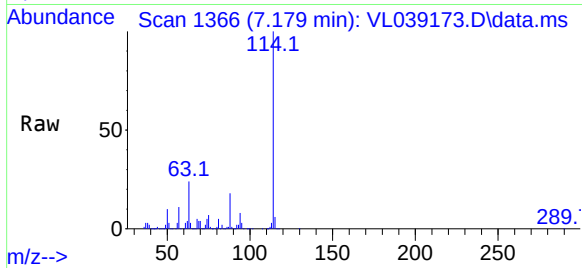
Tgt Ion: 84 Resp: 17102
Ion Ratio Lower Upper
84 100
56 0.0 110.6 165.8#
41 0.0 68.9 103.3#





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.179 min Scan# 11
Delta R.T. -0.003 min
Lab File: VL039173.D
Acq: 4 Jun 2022 11:15

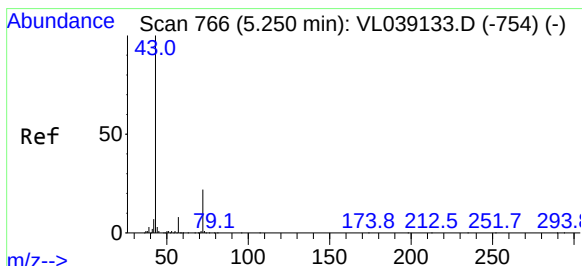
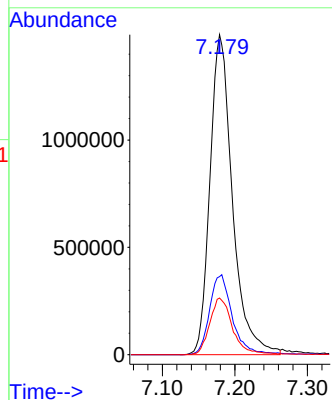
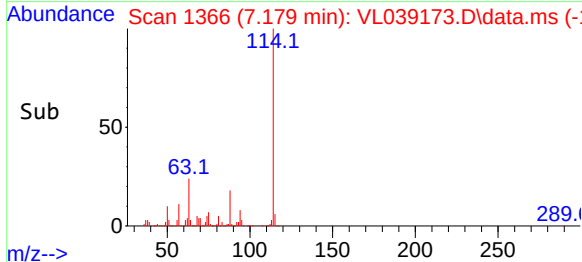
Instrument :
MSVOA_L
ClientSampleId :
OA1



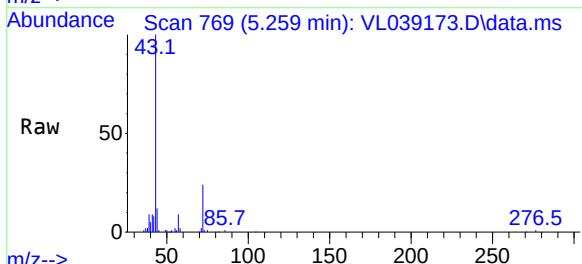
Tgt Ion:114 Resp: 3211660
Ion Ratio Lower Upper
114 100
63 25.7 21.7 32.5
88 18.3 14.8 22.2

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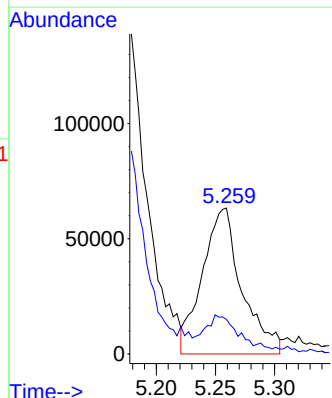
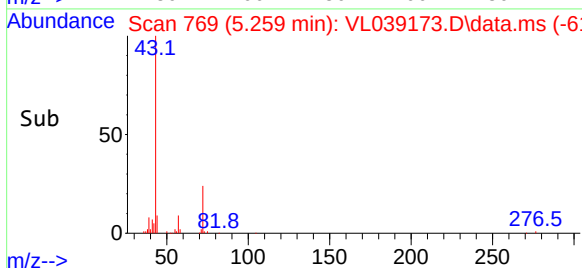
Reviewed By :Semsettin Yesilyurt 06/06/2022
Supervised By :Mahesh Dadoda 06/06/2022

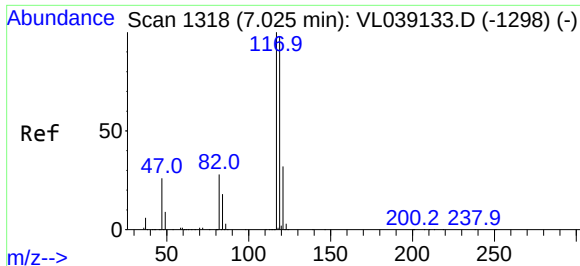


#34
2-Butanone
Concen: 0.844 ppbv m
RT: 5.259 min Scan# 769
Delta R.T. 0.010 min
Lab File: VL039173.D
Acq: 4 Jun 2022 11:15



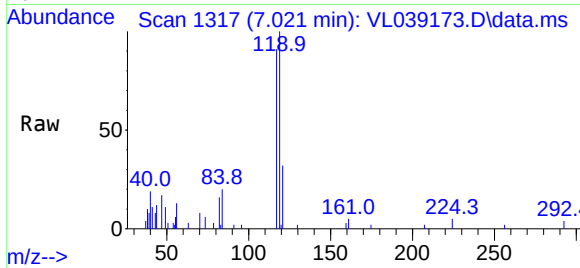
Tgt Ion: 43 Resp: 147272
Ion Ratio Lower Upper
43 100
72 25.6 18.2 27.2





#35
Carbon Tetrachloride
Concen: 0.059 ppbv m
RT: 7.021 min Scan# 11
Delta R.T. -0.003 min
Lab File: VL039173.D
Acq: 4 Jun 2022 11:15

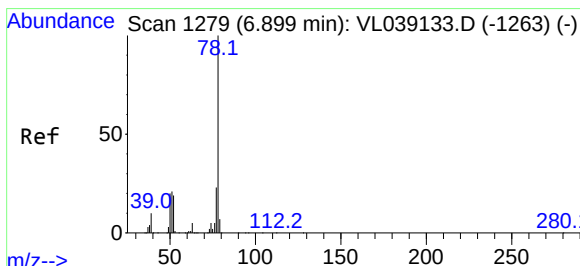
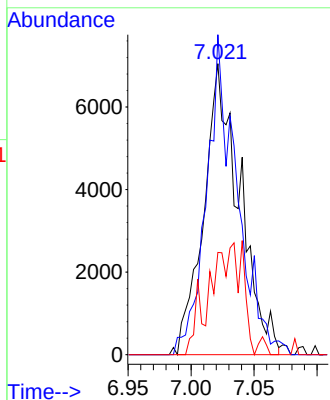
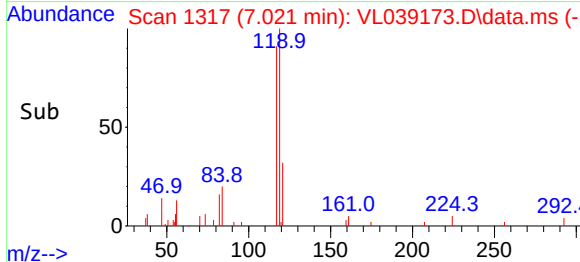
Instrument :
MSVOA_L
ClientSampleId :
OA1



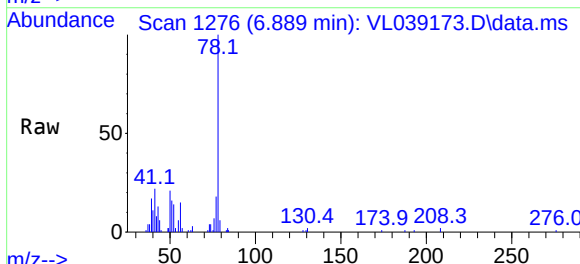
Tgt Ion: 117 Resp: 13940
Ion Ratio Lower Upper
117 100
119 110.0 78.6 118.0
121 35.1 25.4 38.0

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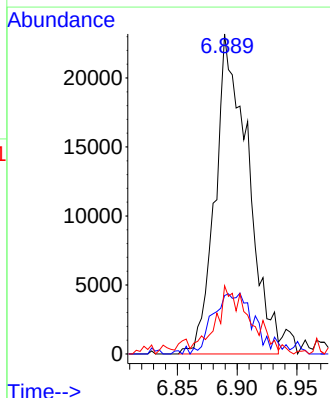
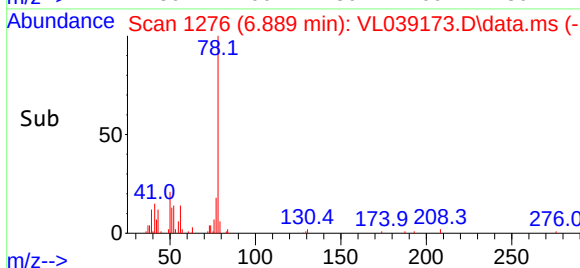
Reviewed By :Semsettin Yesilyurt 06/06/2022
Supervised By :Mahesh Dadoda 06/06/2022

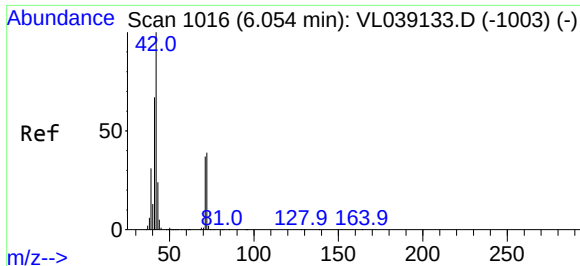


#36
Benzene
Concen: 0.169 ppbv m
RT: 6.889 min Scan# 1276
Delta R.T. -0.010 min
Lab File: VL039173.D
Acq: 4 Jun 2022 11:15



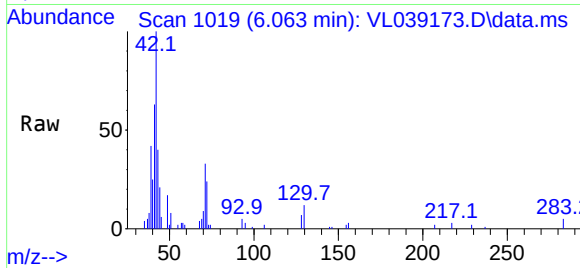
Tgt Ion: 78 Resp: 44090
Ion Ratio Lower Upper
78 100
77 18.2 18.6 27.8#
50 21.3 15.8 23.8





#41
Tetrahydrofuran
Concen: 0.281 ppbv m
RT: 6.063 min Scan# 1016
Delta R.T. 0.010 min
Lab File: VL039173.D
Acq: 4 Jun 2022 11:15

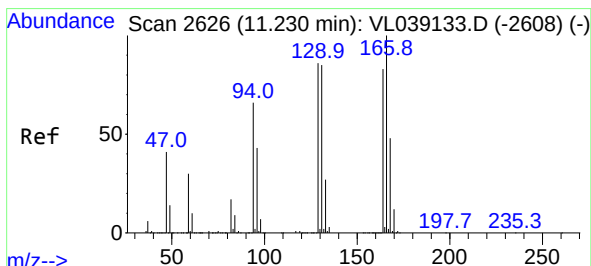
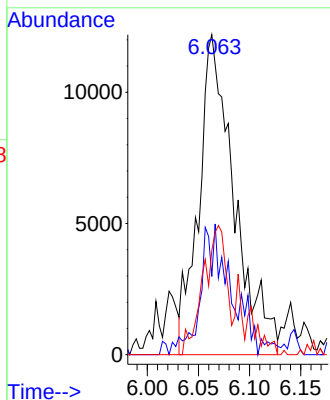
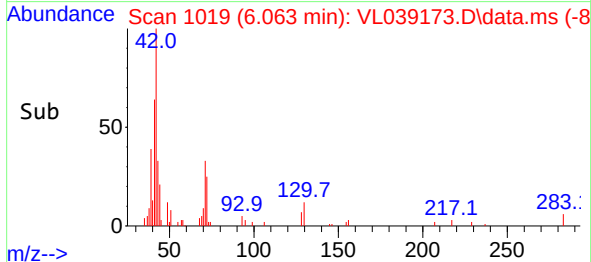
Instrument :
MSVOA_L
ClientSampleId :
OA1



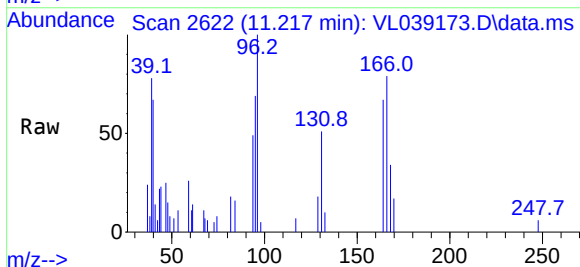
Tgt Ion: 42 Resp: 29509
Ion Ratio Lower Upper
42 100
72 36.5 32.0 48.0
71 35.4 31.1 46.7

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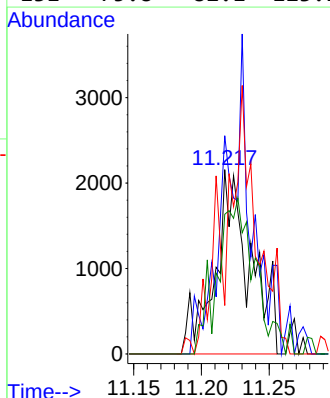
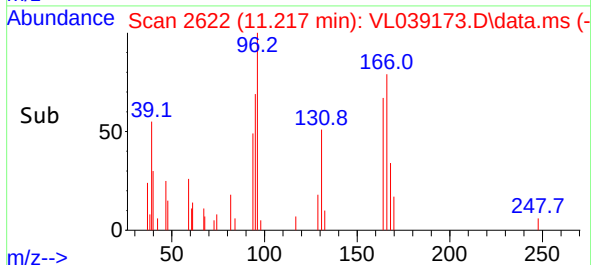
Reviewed By :Semsettin Yesilyurt 06/06/2022
Supervised By :Mahesh Dadoda 06/06/2022

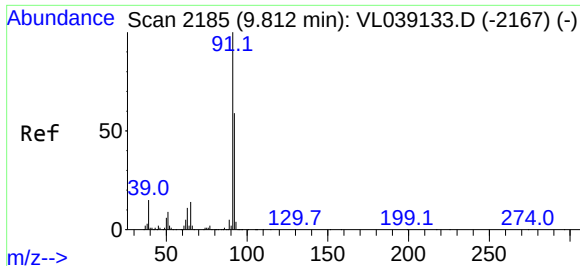


#52
Tetrachloroethene
Concen: 0.038 ppbv m
RT: 11.217 min Scan# 2622
Delta R.T. -0.013 min
Lab File: VL039173.D
Acq: 4 Jun 2022 11:15



Tgt Ion:164 Resp: 3906
Ion Ratio Lower Upper
164 100
166 118.4 96.3 144.5
129 26.3 82.5 123.7#
131 75.8 82.1 123.1#





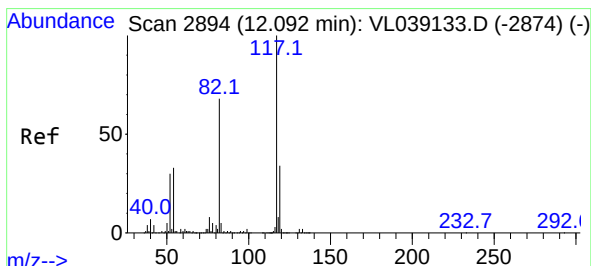
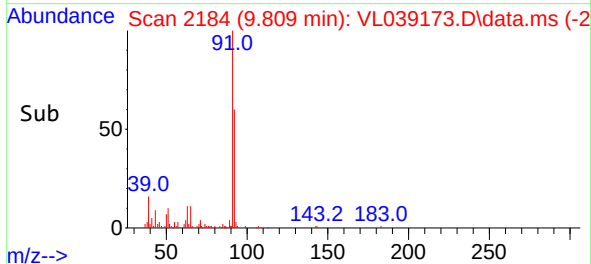
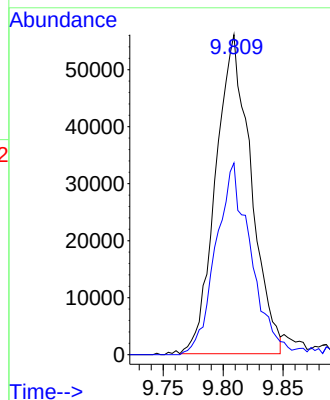
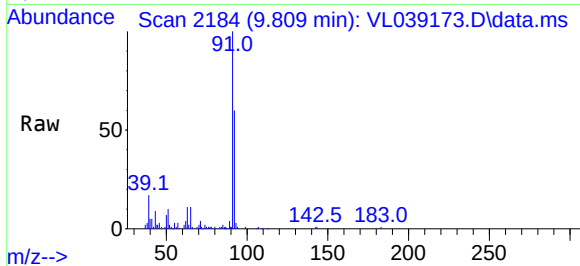
#53
Toluene
Concen: 0.381 ppbv
RT: 9.809 min Scan# 2185
Delta R.T. -0.003 min
Lab File: VL039173.D
Acq: 4 Jun 2022 11:15

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 91 Resp: 114299
Ion Ratio Lower Upper
91 100
92 61.8 48.1 72.1

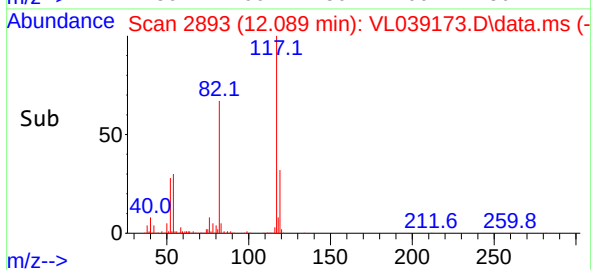
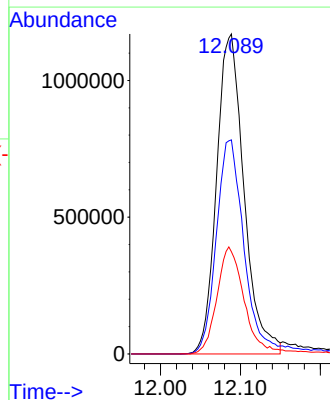
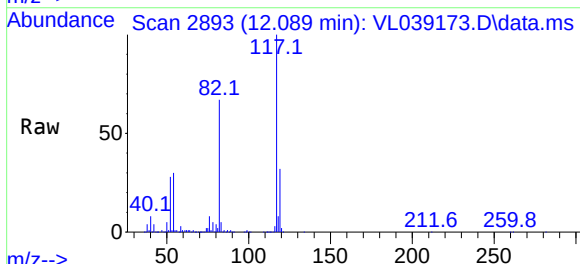
Manual Integrations
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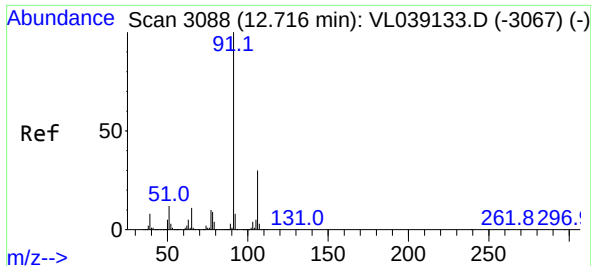
Reviewed By :Semsettin Yesilyurt 06/06/2022
Supervised By :Mahesh Dadoda 06/06/2022



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.089 min Scan# 2893
Delta R.T. -0.003 min
Lab File: VL039173.D
Acq: 4 Jun 2022 11:15

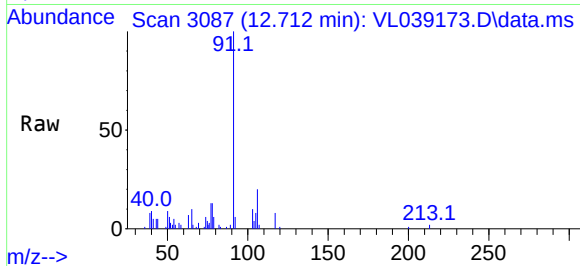
Tgt Ion:117 Resp: 2784482
Ion Ratio Lower Upper
117 100
82 70.5 55.1 82.7
119 34.8 24.7 37.1





#58
Ethyl Benzene
Concen: 0.107 ppbv m
RT: 12.712 min Scan# 3088
Delta R.T. -0.003 min
Lab File: VL039173.D
Acq: 4 Jun 2022 11:15

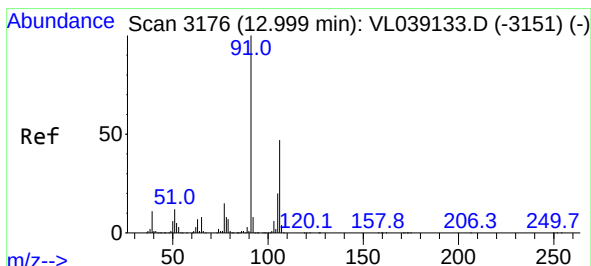
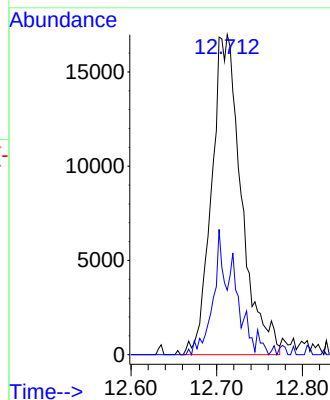
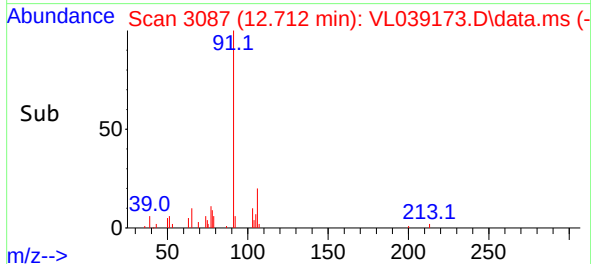
Instrument :
MSVOA_L
ClientSampleId :
OA1



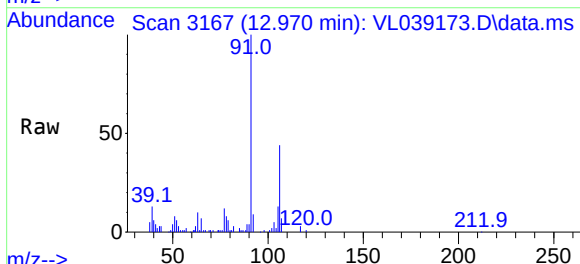
Tgt Ion: 91 Resp: 40918
Ion Ratio Lower Upper
91 100
106 20.1 24.2 36.4

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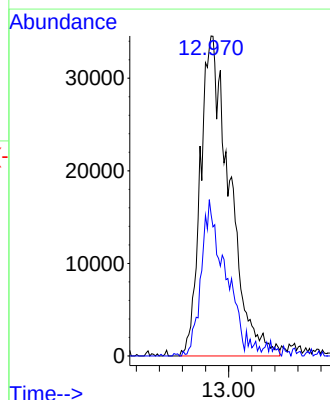
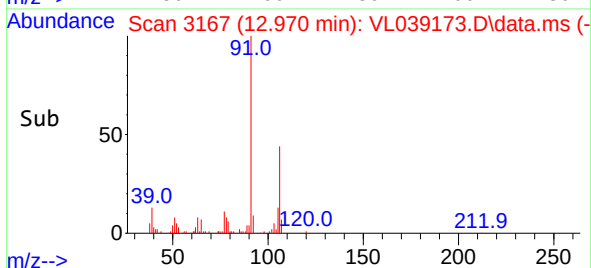
Reviewed By :Semsettin Yesilyurt 06/06/2022
Supervised By :Mahesh Dadoda 06/06/2022

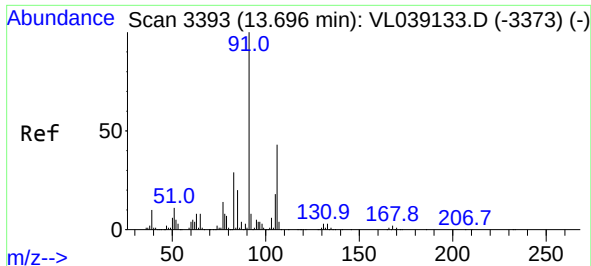


#59
m/p-Xylene
Concen: 0.361 ppbv m
RT: 12.970 min Scan# 3167
Delta R.T. -0.029 min
Lab File: VL039173.D
Acq: 4 Jun 2022 11:15



Tgt Ion: 91 Resp: 121901
Ion Ratio Lower Upper
91 100
106 0.0 34.3 51.5





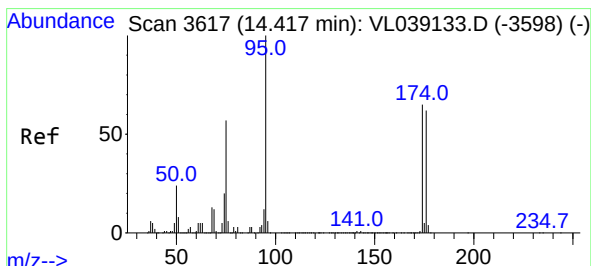
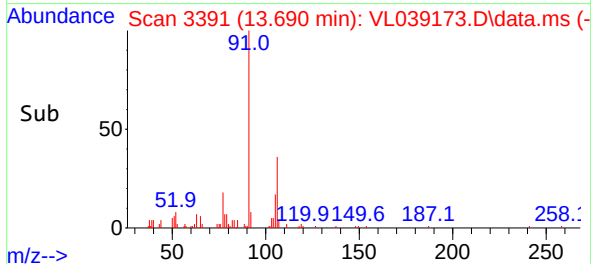
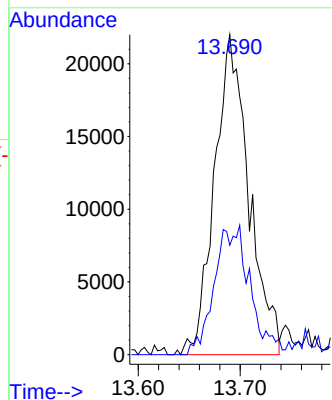
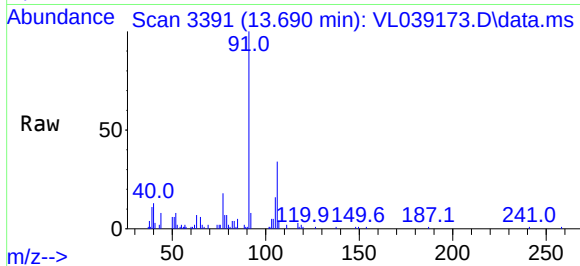
#60
o-Xylene
Concen: 0.162 ppbv m
RT: 13.690 min Scan# 31
Delta R.T. -0.007 min
Lab File: VL039173.D
Acq: 4 Jun 2022 11:15

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 91 Resp: 5148
Ion Ratio Lower Upper
91 100
106 42.2 22.3 66.9

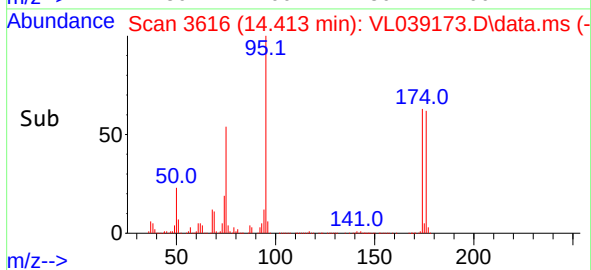
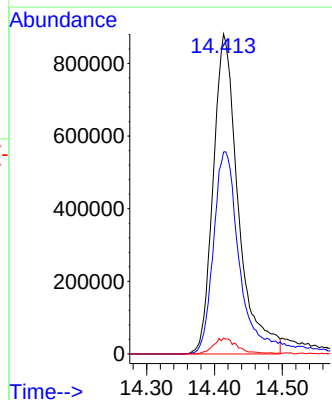
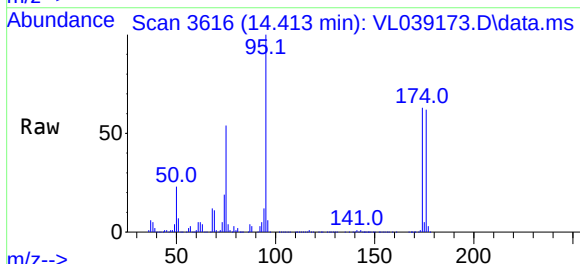
Manual Integrations
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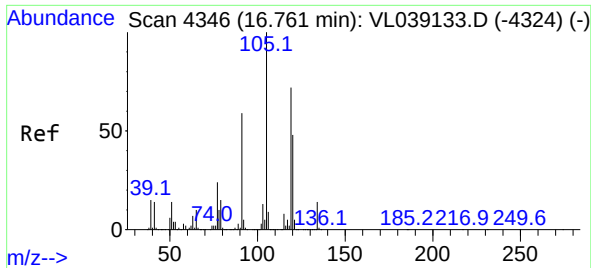
Reviewed By :Semsettin Yesilyurt 06/06/2022
Supervised By :Mahesh Dadoda 06/06/2022



#68
1-Bromo-4-Fluorobenzene
Concen: 9.822 ppbv
RT: 14.413 min Scan# 3616
Delta R.T. -0.003 min
Lab File: VL039173.D
Acq: 4 Jun 2022 11:15

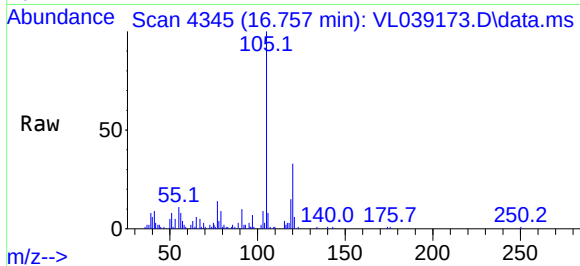
Tgt Ion: 95 Resp: 2261154
Ion Ratio Lower Upper
95 100
174 69.5 53.8 80.8
175 4.9 4.1 6.1





#74
1,2,4-Trimethylbenzene
Concen: 0.197 ppbv m
RT: 16.757 min Scan# 4345
Delta R.T. -0.003 min
Lab File: VL039173.D
Acq: 4 Jun 2022 11:15

Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion:	105	Resp:	73718
Ion	Ratio	Lower	Upper
105	100		
120	33.1	38.1	57.1
91	9.6	47.4	71.0
77	14.2	19.5	29.3

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

