

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060322\
 Data File : VL039168.D
 Acq On : 4 Jun 2022 1:14
 Operator : SY/AP
 Sample : N3106-03DUP
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV3DUP

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/05/2022
 Supervised By :Mahesh Dadoda 06/06/2022

Quant Time: Jun 04 02:23:55 2022

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

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

QLast Update : Wed Jun 01 01:22:18 2022

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	5.674	49	1247722	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.182	114	3584186	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.089	117	3215461	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.420	95	2486891	9.355	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.600%
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	3.057	85	47974m	0.219	ppbv	
3) Chlorodifluoromethane	2.999	51	48332m	0.304	ppbv	
9) Propene	3.031	41	271881m	3.928	ppbv	
10) Heptane	8.131	43	193553	1.199	ppbv	95
11) Trichlorofluoromethane	3.960	101	38961	0.196	ppbv	93
13) Ethanol	3.613	45	106939	28.327	ppbv #	100
15) Acetone	3.857	43	359670	2.767	ppbv #	47
17) tert-Butyl alcohol	4.298	59	31691	0.314	ppbv #	70
19) Isopropyl Alcohol	3.976	45	256608	4.209	ppbv #	1
20) Methylene Chloride	4.353	84	71811	1.311	ppbv	86
23) Vinyl Acetate	5.083	43	597250	5.554	ppbv #	94
26) Hexane	5.693	57	1115777	8.667	ppbv #	29
27) Carbon Disulfide	4.565	76	32450	0.243	ppbv #	92
34) 2-Butanone	5.250	43	1660654	8.528	ppbv	99
35) Carbon Tetrachloride	7.025	117	10085m	0.039	ppbv	
36) Benzene	6.899	78	30588m	0.105	ppbv	
51) 2-Hexanone	10.137	43	658011m	2.901	ppbv	
52) Tetrachloroethene	11.230	164	304832	2.683	ppbv	93
53) Toluene	9.809	91	49315	0.147	ppbv	95
59) m/p-Xylene	12.966	91	62494m	0.160	ppbv	
60) o-Xylene	13.693	91	37632m	0.103	ppbv	
62) Isopropylbenzene	14.671	105	64228m	0.118	ppbv	
74) 1,2,4-Trimethylbenzene	16.767	105	98138	0.227	ppbv #	57
79) Naphthalene	22.198	128	39429m	0.118	ppbv	

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

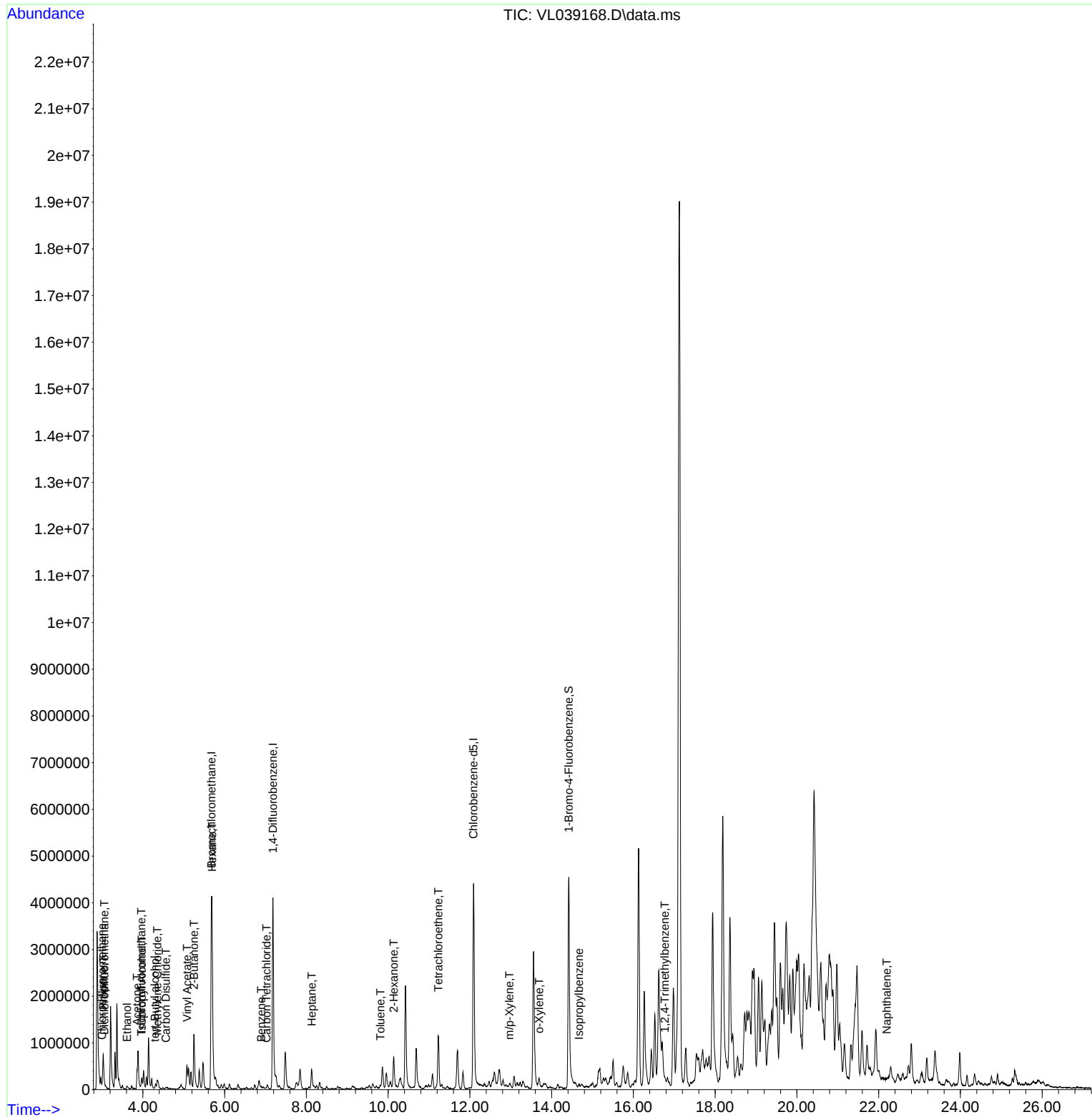
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060322\
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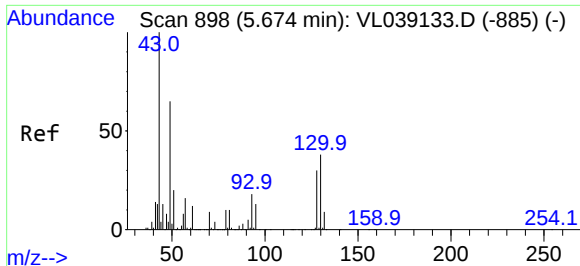
Instrument :
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Quant Time: Jun 04 02:23:55 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL053122AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun
QLast Update : Wed Jun 01 01:22:18 2022
Response via : Initial Calibration

Manual Integrations
APPROVED

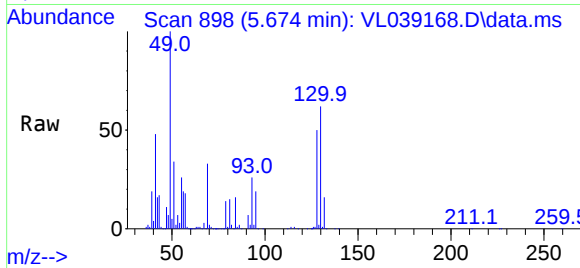
Reviewed By :Semsettin Yesilyurt 06/05/2022
Supervised By :Mahesh Dadoda 06/06/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.674 min Scan# 898
Delta R.T. 0.000 min
Lab File: VL039168.D
Acq: 4 Jun 2022 1:14

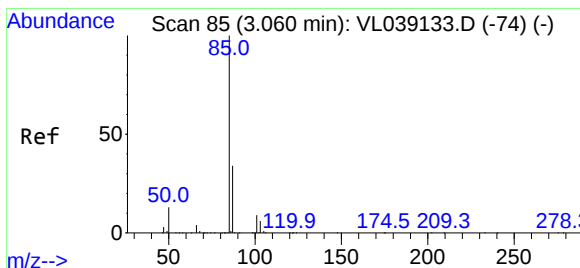
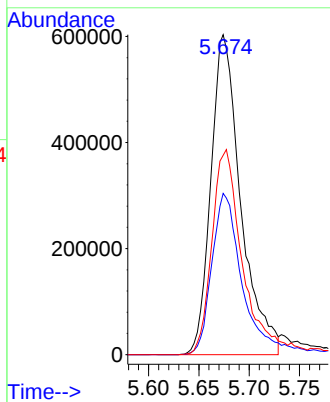
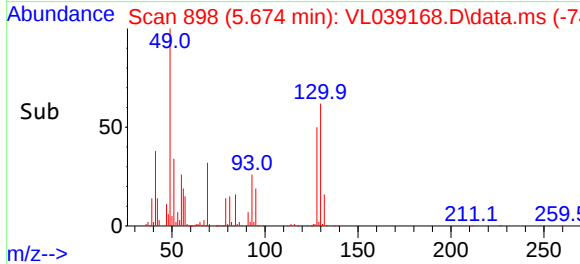
Instrument :
MSVOA_L
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SV3DUP



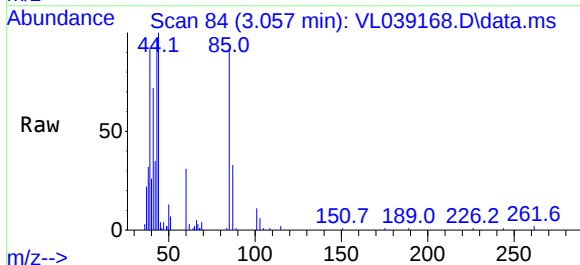
Tgt Ion: 49 Resp: 124772
Ion Ratio Lower Upper
49 100
128 53.4 24.7 74.1
130 69.2 31.4 94.0

Manual Integrations
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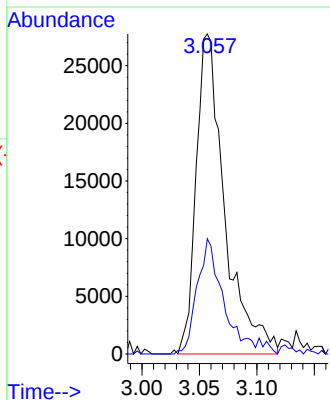
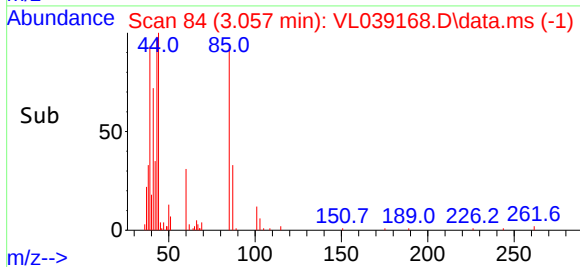
Reviewed By :Semsettin Yesilyurt 06/05/2022
Supervised By :Mahesh Dadoda 06/06/2022

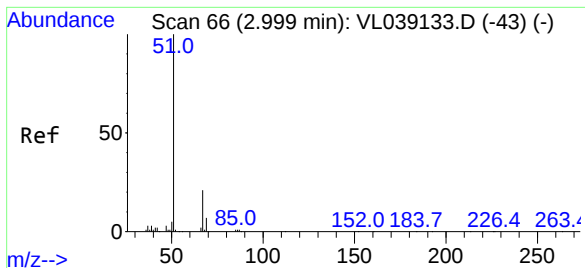


#2
Dichlorodifluoromethane
Concen: 0.219 ppbv m
RT: 3.057 min Scan# 84
Delta R.T. -0.003 min
Lab File: VL039168.D
Acq: 4 Jun 2022 1:14



Tgt Ion: 85 Resp: 47974
Ion Ratio Lower Upper
85 100
87 36.0 26.9 40.3





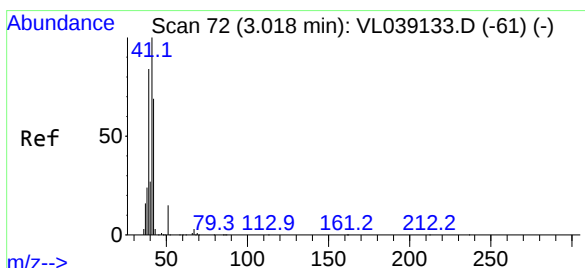
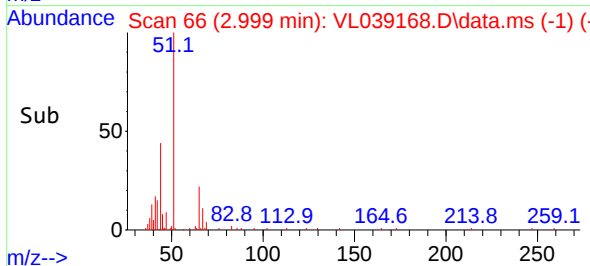
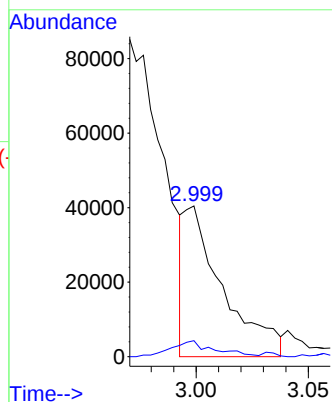
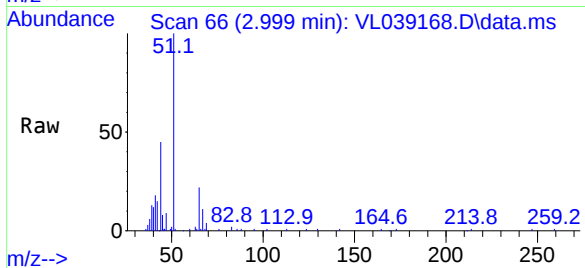
#3
Chlorodifluoromethane
Concen: 0.304 ppbv m
RT: 2.999 min Scan# 60
Delta R.T. 0.000 min
Lab File: VL039168.D
Acq: 4 Jun 2022 1:14

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Tgt Ion: 51 Resp: 48332
Ion Ratio Lower Upper
51 100
67 13.1 16.2 24.4

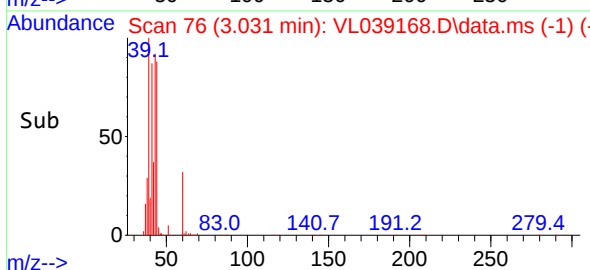
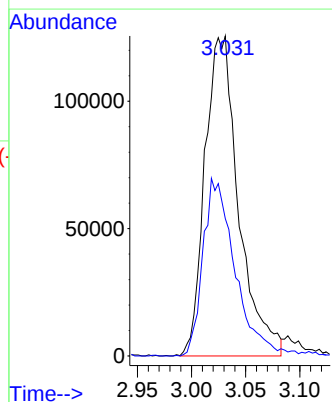
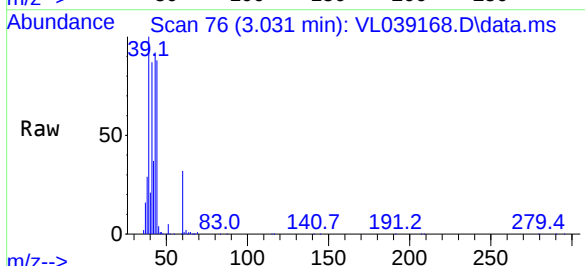
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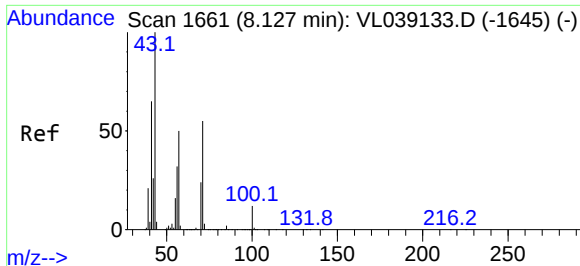
Reviewed By :Semsettin Yesilyurt 06/05/2022
Supervised By :Mahesh Dadoda 06/06/2022



#9
Propene
Concen: 3.928 ppbv m
RT: 3.031 min Scan# 76
Delta R.T. 0.013 min
Lab File: VL039168.D
Acq: 4 Jun 2022 1:14

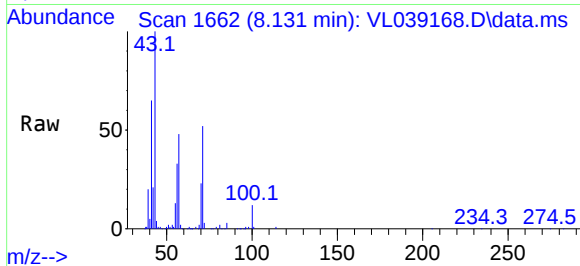
Tgt Ion: 41 Resp: 271881
Ion Ratio Lower Upper
41 100
42 53.5 55.4 83.2





#10
Heptane
Concen: 1.199 ppbv
RT: 8.131 min Scan# 1662
Delta R.T. 0.003 min
Lab File: VL039168.D
Acq: 4 Jun 2022 1:14

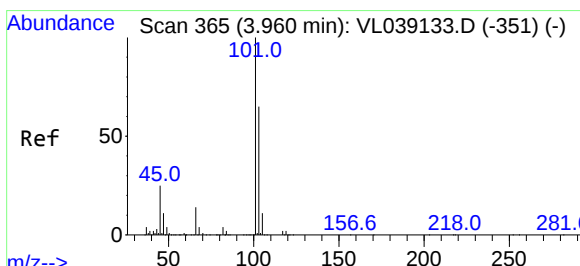
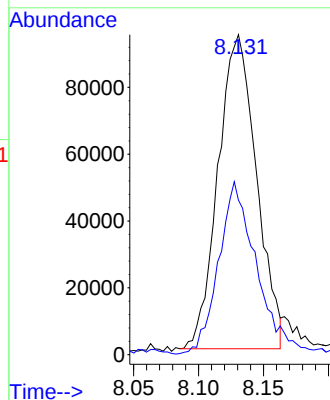
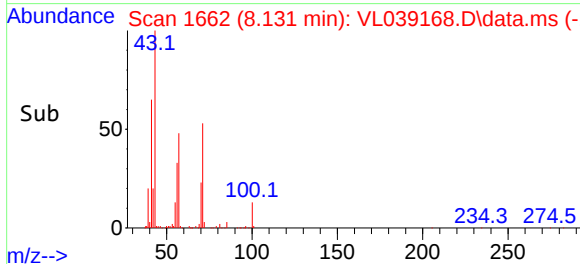
Instrument :
MSVOA_L
ClientSampleId :
SV3DUP



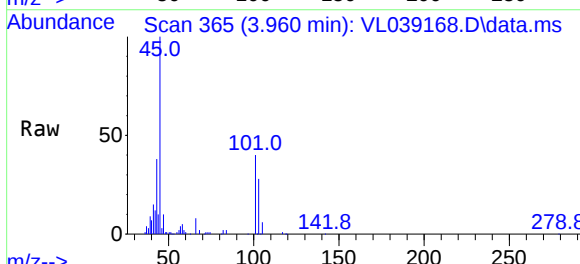
Tgt Ion: 43 Resp: 19355
Ion Ratio Lower Upper
43 100
57 55.0 41.4 62.2

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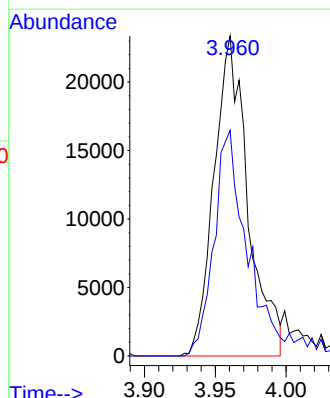
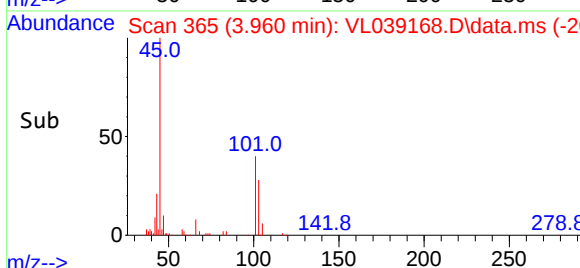
Reviewed By :Semsettin Yesilyurt 06/05/2022
Supervised By :Mahesh Dadoda 06/06/2022

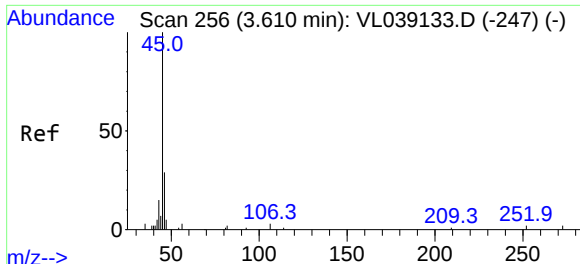


#11
Trichlorofluoromethane
Concen: 0.196 ppbv
RT: 3.960 min Scan# 365
Delta R.T. 0.000 min
Lab File: VL039168.D
Acq: 4 Jun 2022 1:14



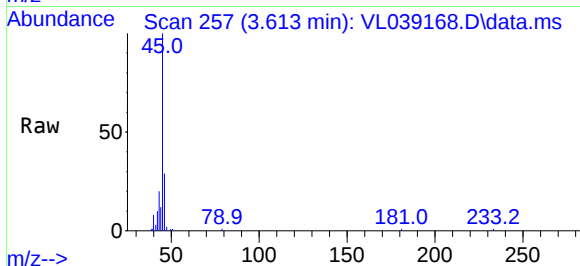
Tgt Ion:101 Resp: 38961
Ion Ratio Lower Upper
101 100
103 70.5 51.7 77.5





#13
Ethanol
Concen: 28.327 ppbv
RT: 3.613 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL039168.D
Acq: 4 Jun 2022 1:14

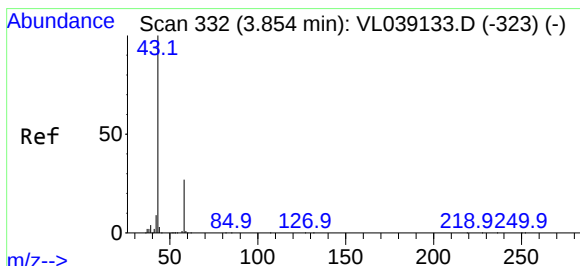
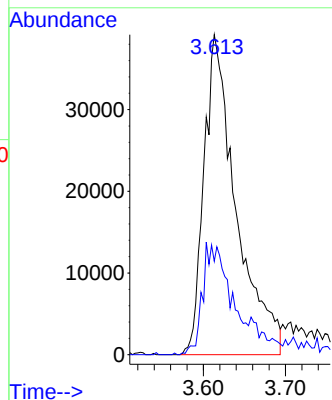
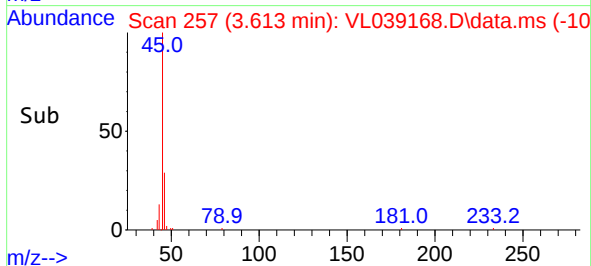
Instrument :
MSVOA_L
ClientSampleId :
SV3DUP



Tgt Ion: 45 Resp: 106939
Ion Ratio Lower Upper
45 100
46 37.2 0.0 0.0

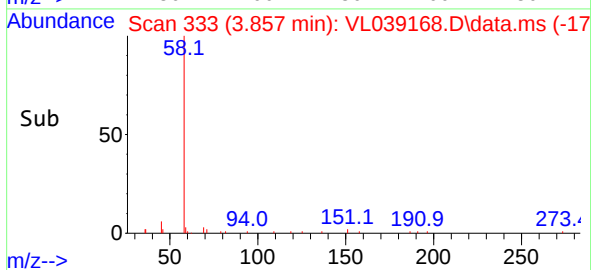
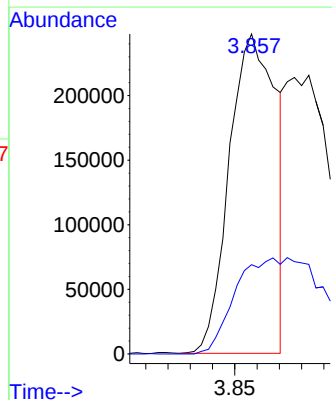
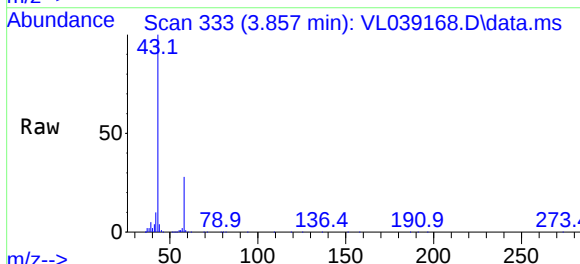
Manual Integrations
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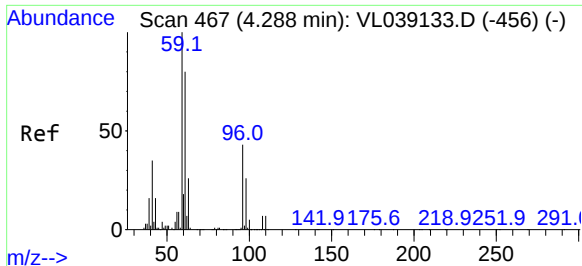
Reviewed By :Semsettin Yesilyurt 06/05/2022
Supervised By :Mahesh Dadoda 06/06/2022



#15
Acetone
Concen: 2.767 ppbv
RT: 3.857 min Scan# 333
Delta R.T. 0.003 min
Lab File: VL039168.D
Acq: 4 Jun 2022 1:14

Tgt Ion: 43 Resp: 359670
Ion Ratio Lower Upper
43 100
58 0.0 22.5 33.7





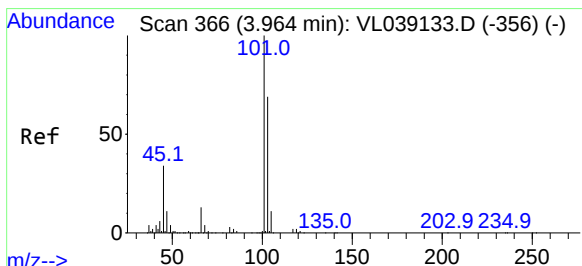
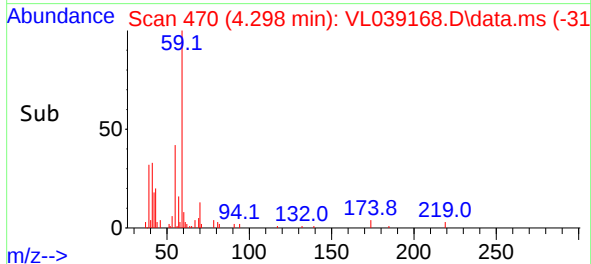
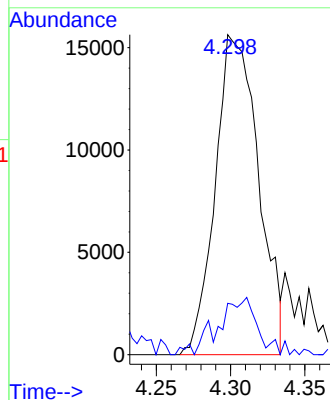
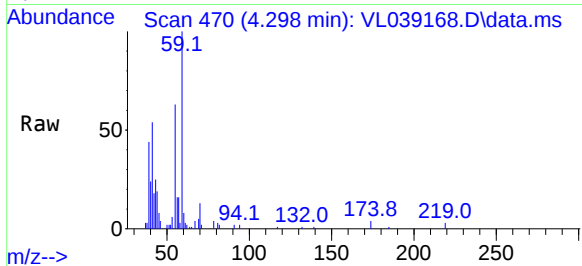
#17
tert-Butyl alcohol
Concen: 0.314 ppbv
RT: 4.298 min Scan# 41
Delta R.T. 0.010 min
Lab File: VL039168.D
Acq: 4 Jun 2022 1:14

Instrument :
MSVOA_L
ClientSampleId :
SV3DUP

Tgt Ion: 59 Resp: 3169
Ion Ratio Lower Upper
59 100
57 0.0 9.1 13.7

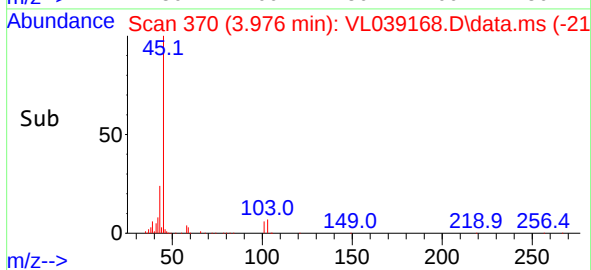
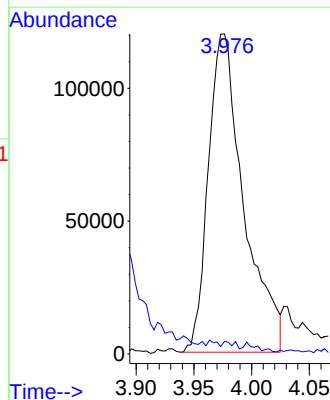
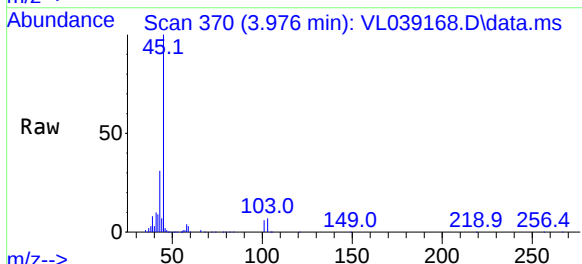
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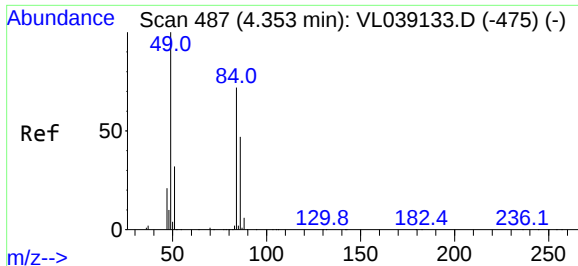
Reviewed By :Semsettin Yesilyurt 06/05/2022
Supervised By :Mahesh Dadoda 06/06/2022



#19
Isopropyl Alcohol
Concen: 4.209 ppbv
RT: 3.976 min Scan# 370
Delta R.T. 0.013 min
Lab File: VL039168.D
Acq: 4 Jun 2022 1:14

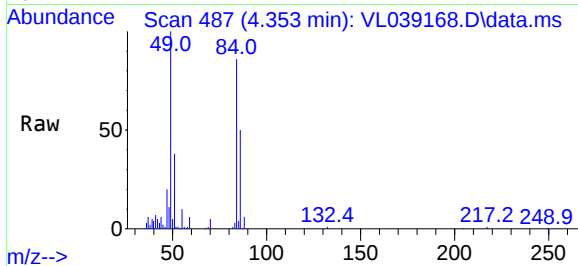
Tgt Ion: 45 Resp: 256608
Ion Ratio Lower Upper
45 100
58 95.3 1.8 2.8





#20
Methylene Chloride
Concen: 1.311 ppbv
RT: 4.353 min Scan# 41
Delta R.T. 0.000 min
Lab File: VL039168.D
Acq: 4 Jun 2022 1:14

Instrument :
MSVOA_L
ClientSampleId :
SV3DUP

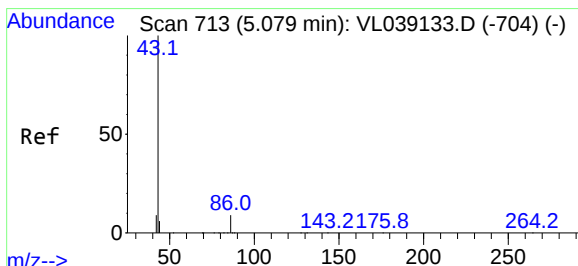
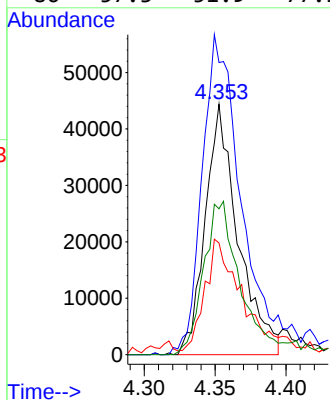
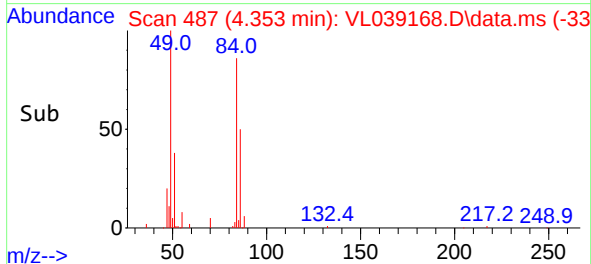


Tgt Ion: 84 Resp: 7181

Ion	Ratio	Lower	Upper
84	100		
49	114.4	111.1	166.7
51	44.4	35.3	52.9
86	57.3	51.9	77.9

Manual Integrations
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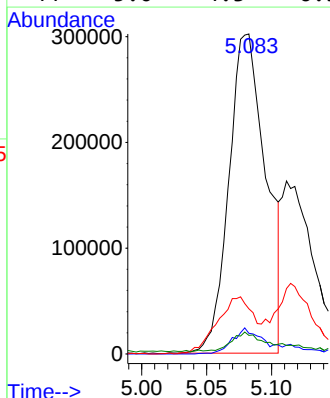
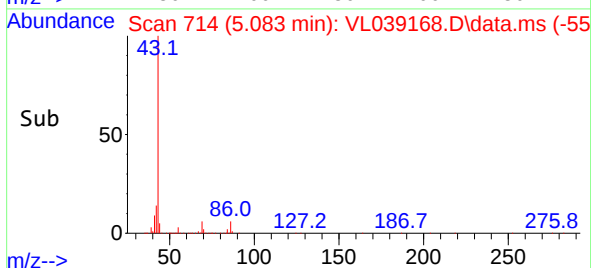
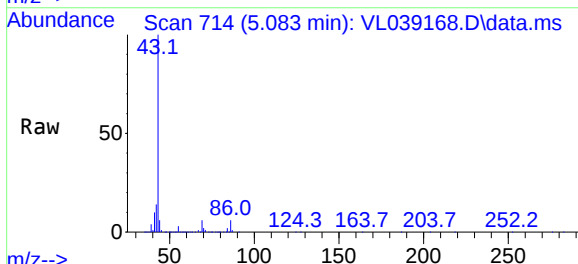
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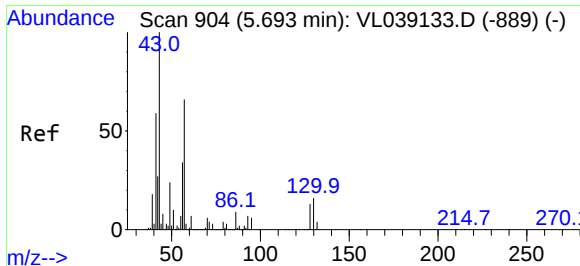


#23
Vinyl Acetate
Concen: 5.554 ppbv
RT: 5.083 min Scan# 714
Delta R.T. 0.003 min
Lab File: VL039168.D
Acq: 4 Jun 2022 1:14

Tgt Ion: 43 Resp: 597250

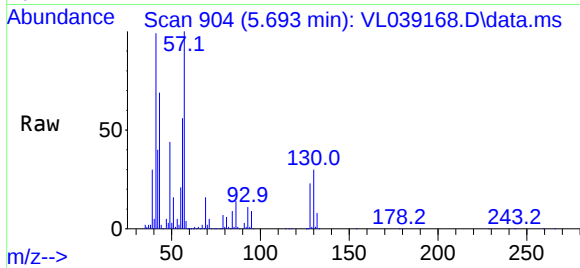
Ion	Ratio	Lower	Upper
43	100		
86	6.5	6.0	9.0
42	14.1	8.2	12.4
44	5.0	4.3	6.5





#26
Hexane
Concen: 8.667 ppbv
RT: 5.693 min Scan# 904
Delta R.T. 0.000 min
Lab File: VL039168.D
Acq: 4 Jun 2022 1:14

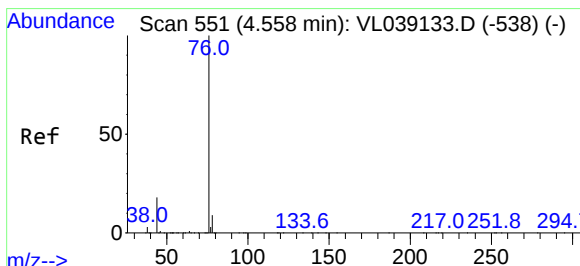
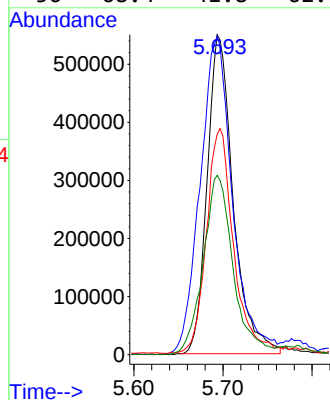
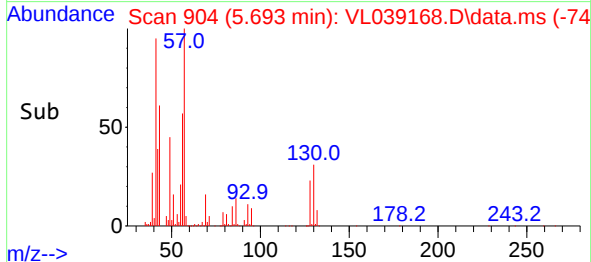
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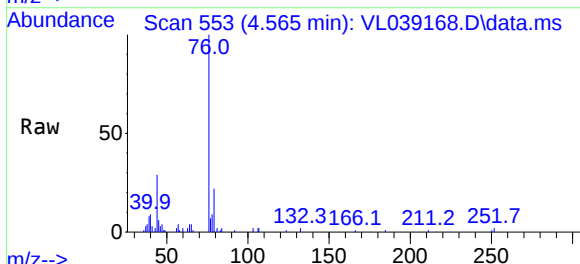
Tgt Ion: 57 Resp: 111577
Ion Ratio Lower Upper
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43 75.6 187.0 280.6
56 68.4 41.8 62.6#

Manual Integrations
APPROVED

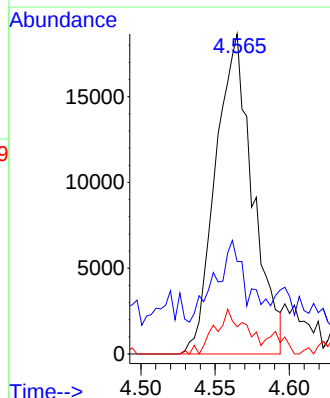
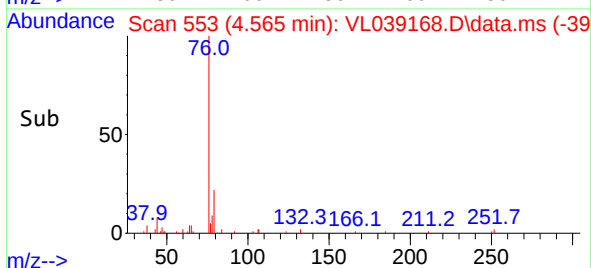
Reviewed By :Semsettin Yesilyurt 06/05/2022
Supervised By :Mahesh Dadoda 06/06/2022

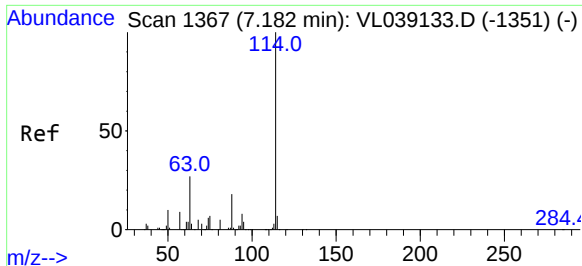


#27
Carbon Disulfide
Concen: 0.243 ppbv
RT: 4.565 min Scan# 553
Delta R.T. 0.006 min
Lab File: VL039168.D
Acq: 4 Jun 2022 1:14



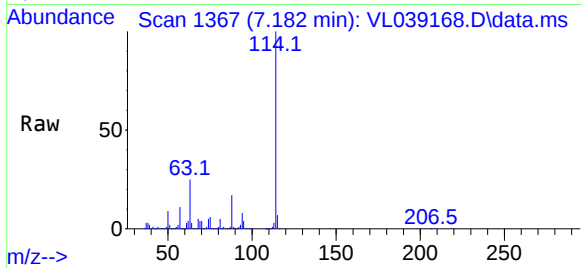
Tgt Ion: 76 Resp: 32450
Ion Ratio Lower Upper
76 100
44 20.0 14.4 21.6
78 15.1 7.7 11.5#





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.182 min Scan# 114
Delta R.T. 0.000 min
Lab File: VL039168.D
Acq: 4 Jun 2022 1:14

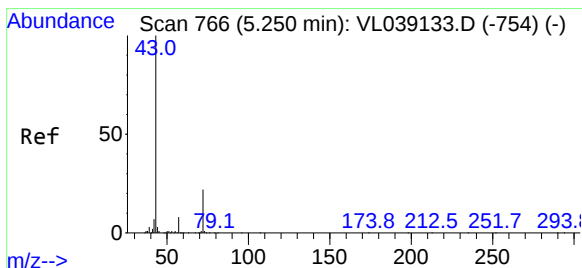
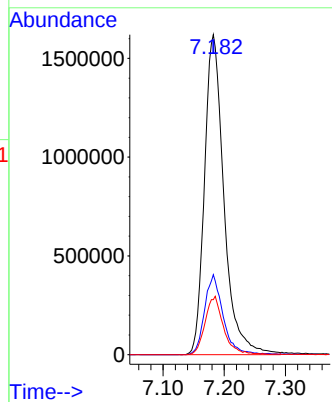
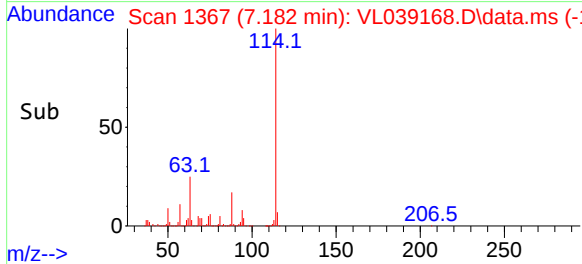
Instrument :
MSVOA_L
ClientSampleId :
SV3DUP



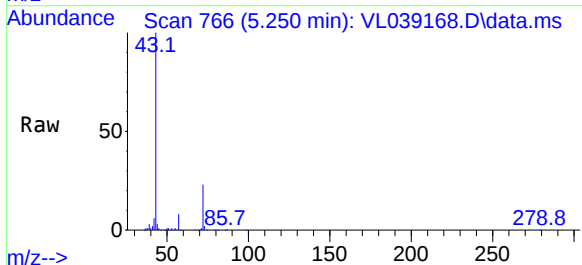
Tgt Ion:114 Resp: 358418
Ion Ratio Lower Upper
114 100
63 24.0 21.7 32.5
88 17.5 14.8 22.2

Manual Integrations
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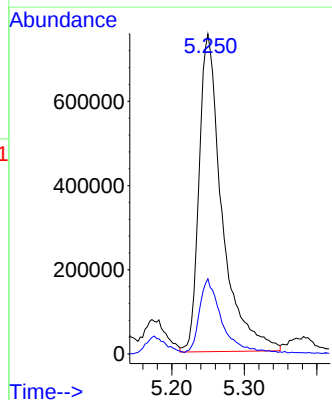
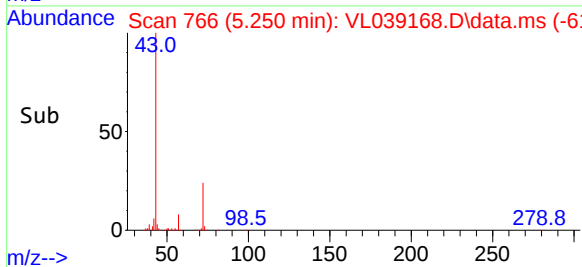
Reviewed By :Semsettin Yesilyurt 06/05/2022
Supervised By :Mahesh Dadoda 06/06/2022

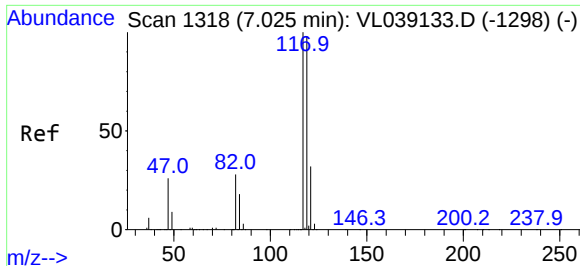


#34
2-Butanone
Concen: 8.528 ppbv
RT: 5.250 min Scan# 766
Delta R.T. 0.000 min
Lab File: VL039168.D
Acq: 4 Jun 2022 1:14



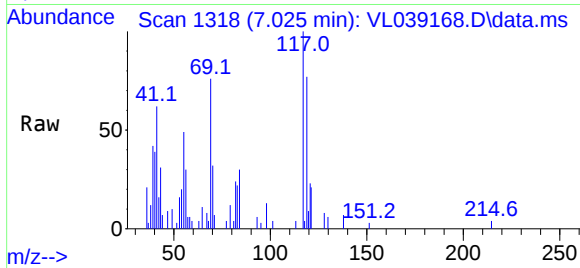
Tgt Ion: 43 Resp: 1660654
Ion Ratio Lower Upper
43 100
72 23.4 18.2 27.2





#35
Carbon Tetrachloride
Concen: 0.039 ppbv m
RT: 7.025 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VL039168.D
Acq: 4 Jun 2022 1:14

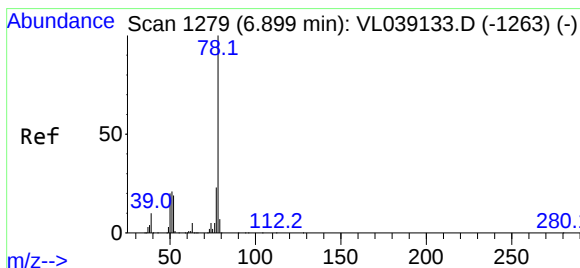
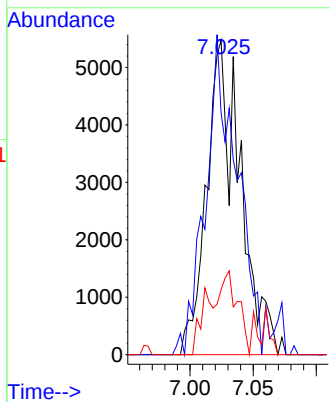
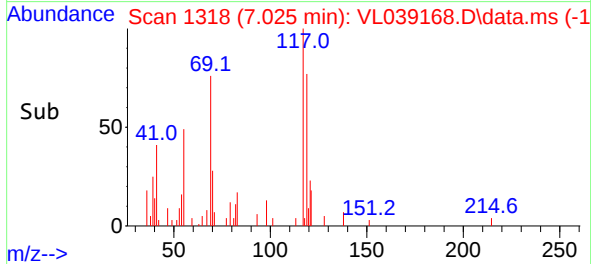
Instrument :
MSVOA_L
ClientSampleId :
SV3DUP



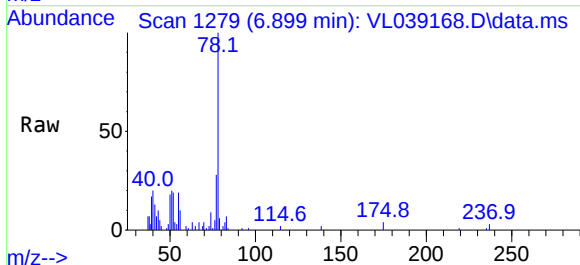
Tgt Ion: 117 Resp: 1008
Ion Ratio Lower Upper
117 100
119 77.0 78.6 118.0
121 20.7 25.4 38.0

Manual Integrations
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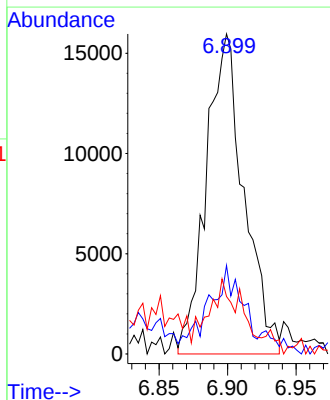
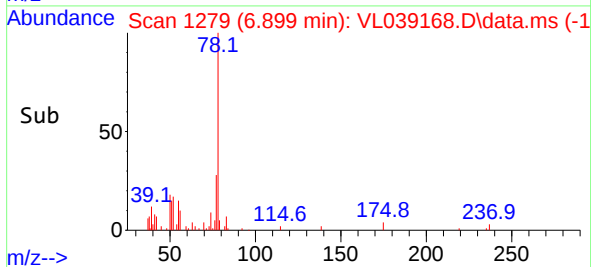
Reviewed By :Semsettin Yesilyurt 06/05/2022
Supervised By :Mahesh Dadoda 06/06/2022

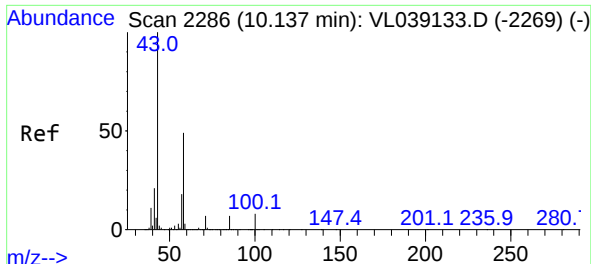


#36
Benzene
Concen: 0.105 ppbv m
RT: 6.899 min Scan# 1279
Delta R.T. 0.000 min
Lab File: VL039168.D
Acq: 4 Jun 2022 1:14



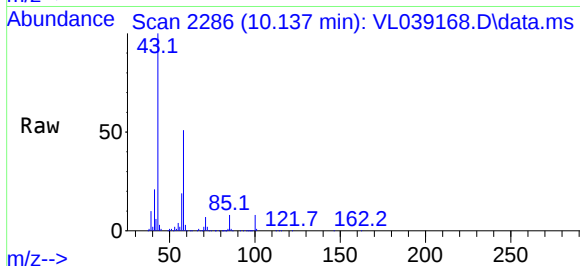
Tgt Ion: 78 Resp: 30588
Ion Ratio Lower Upper
78 100
77 27.6 18.6 27.8
50 18.0 15.8 23.8





#51
2-Hexanone
Concen: 2.901 ppbv m
RT: 10.137 min Scan# 2286
Delta R.T. 0.000 min
Lab File: VL039168.D
Acq: 4 Jun 2022 1:14

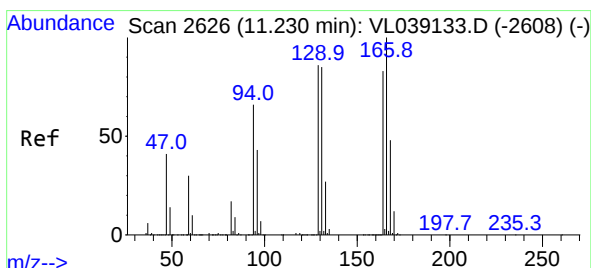
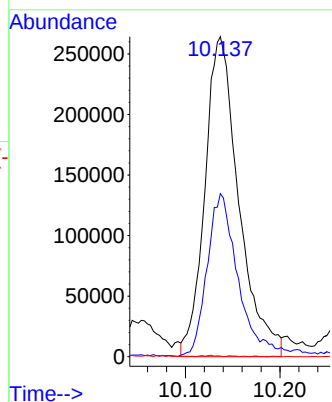
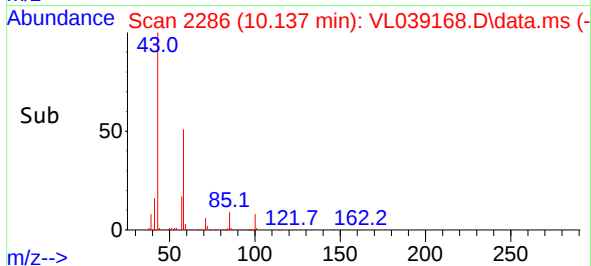
Instrument :
MSVOA_L
ClientSampleId :
SV3DUP



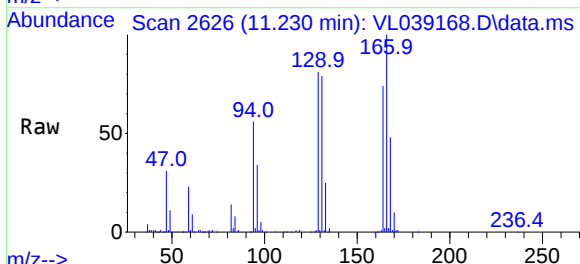
Tgt Ion: 43 Resp: 65801
Ion Ratio Lower Upper
43 100
58 47.1 40.0 60.0
98 0.3 0.1 0.1

Manual Integrations
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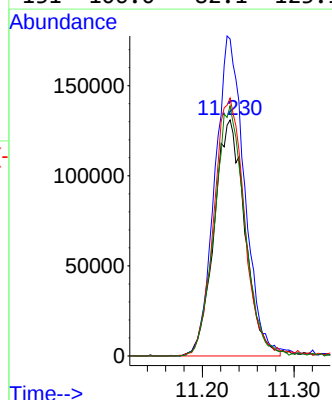
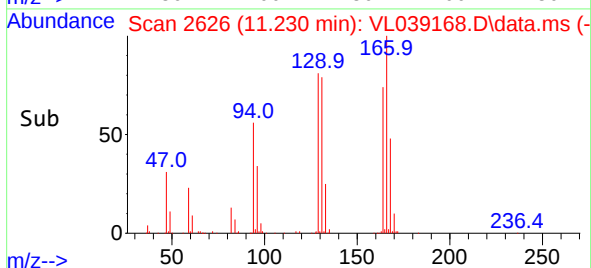
Reviewed By :Semsettin Yesilyurt 06/05/2022
Supervised By :Mahesh Dadoda 06/06/2022

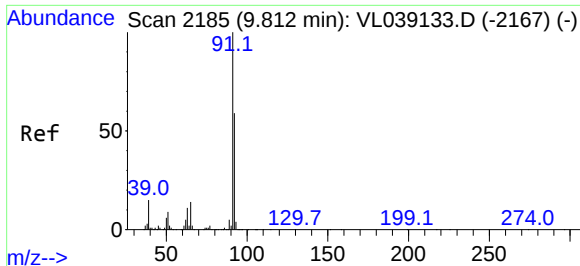


#52
Tetrachloroethene
Concen: 2.683 ppbv
RT: 11.230 min Scan# 2626
Delta R.T. 0.000 min
Lab File: VL039168.D
Acq: 4 Jun 2022 1:14



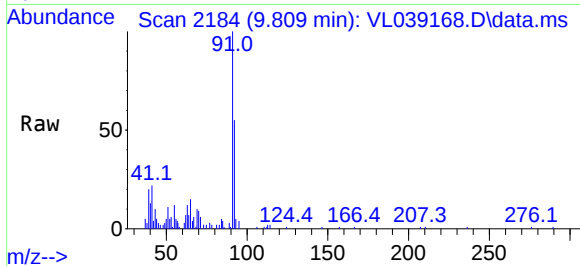
Tgt Ion:164 Resp: 304832
Ion Ratio Lower Upper
164 100
166 134.3 96.3 144.5
129 109.0 82.5 123.7
131 106.0 82.1 123.1





#53
Toluene
Concen: 0.147 ppbv
RT: 9.809 min Scan# 2185
Delta R.T. -0.003 min
Lab File: VL039168.D
Acq: 4 Jun 2022 1:14

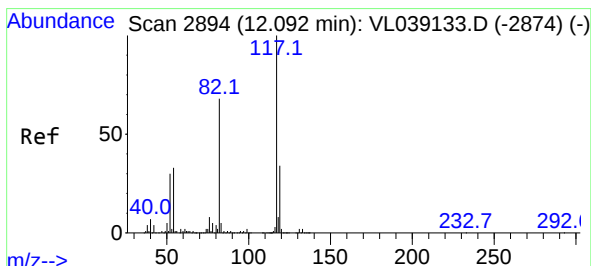
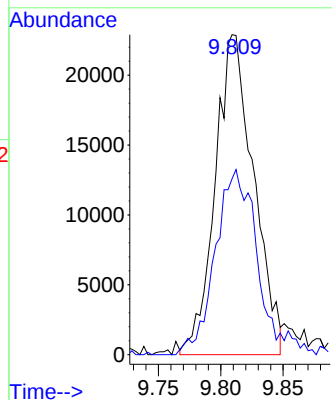
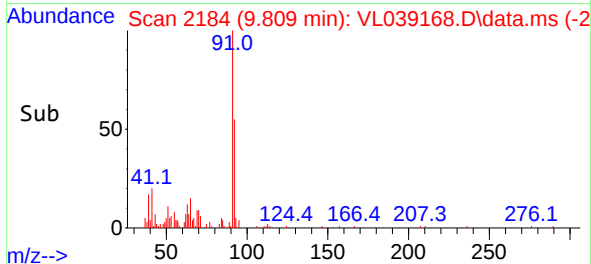
Instrument :
MSVOA_L
ClientSampleId :
SV3DUP



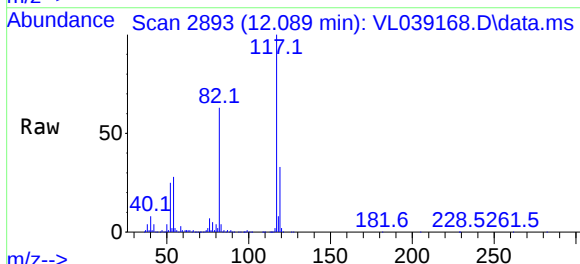
Tgt Ion: 91 Resp: 49315
Ion Ratio Lower Upper
91 100
92 64.1 48.1 72.1

Manual Integrations
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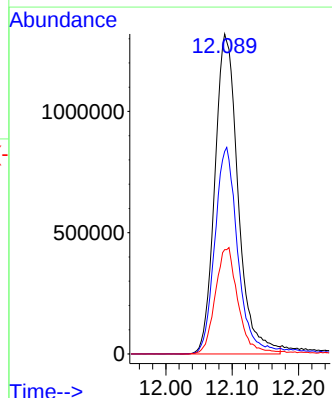
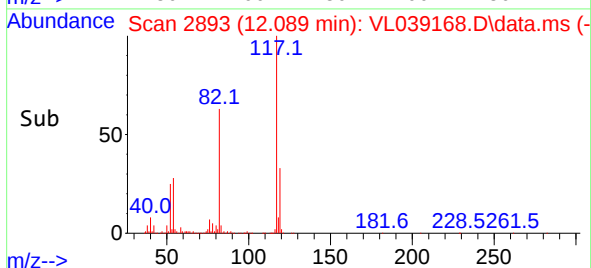
Reviewed By :Semsettin Yesilyurt 06/05/2022
Supervised By :Mahesh Dadoda 06/06/2022

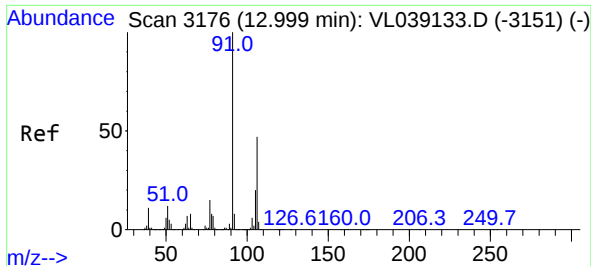


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.089 min Scan# 2893
Delta R.T. -0.003 min
Lab File: VL039168.D
Acq: 4 Jun 2022 1:14



Tgt Ion:117 Resp: 3215461
Ion Ratio Lower Upper
117 100
82 66.4 55.1 82.7
119 33.4 24.7 37.1





#59

m/p-Xylene

Concen: 0.160 ppbv m

RT: 12.966 min Scan# 3176

Delta R.T. -0.032 min

Lab File: VL039168.D

Acq: 4 Jun 2022 1:14

Instrument :

MSVOA_L

ClientSampleId :

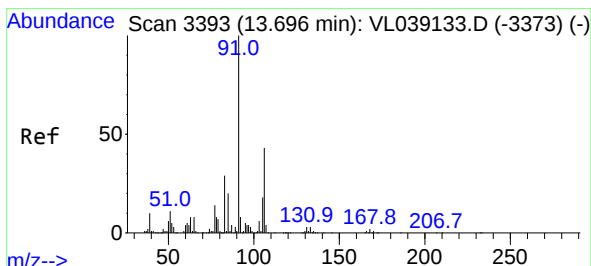
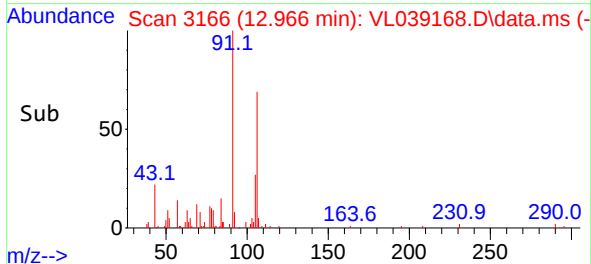
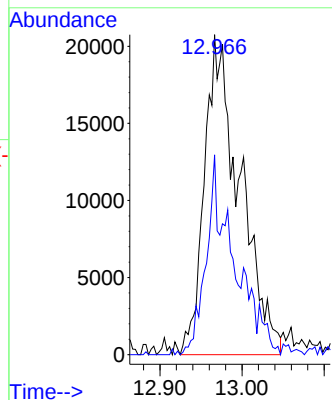
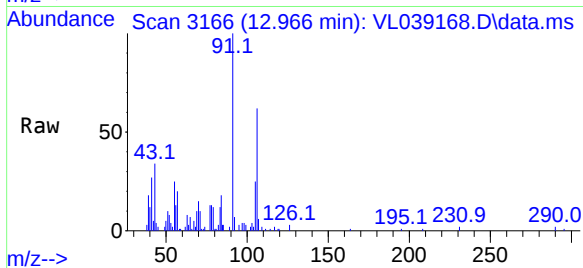
SV3DUP

Tgt Ion: 91 Resp: 62494
 Ion Ratio Lower Upper
 91 100
 106 0.0 34.3 51.5

Manual Integrations

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 Supervised By :Mahesh Dadoda 06/06/2022



#60

o-Xylene

Concen: 0.103 ppbv m

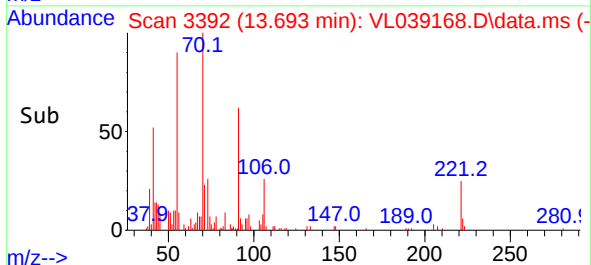
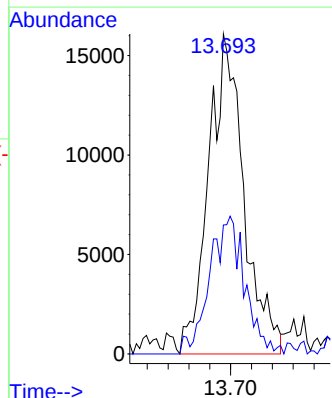
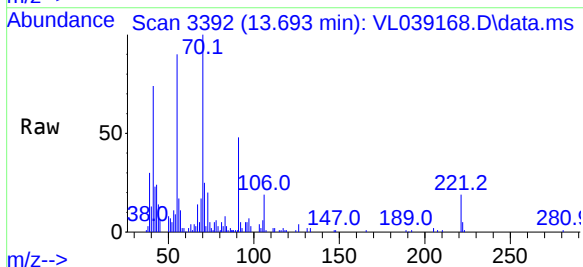
RT: 13.693 min Scan# 3392

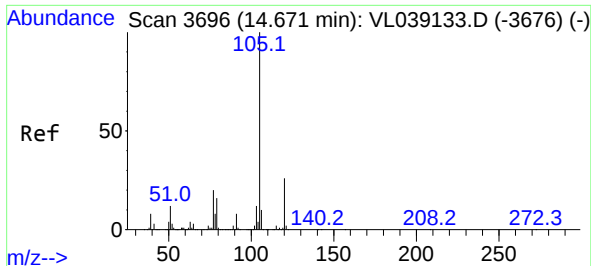
Delta R.T. -0.003 min

Lab File: VL039168.D

Acq: 4 Jun 2022 1:14

Tgt Ion: 91 Resp: 37632
 Ion Ratio Lower Upper
 91 100
 106 0.0 22.3 66.9





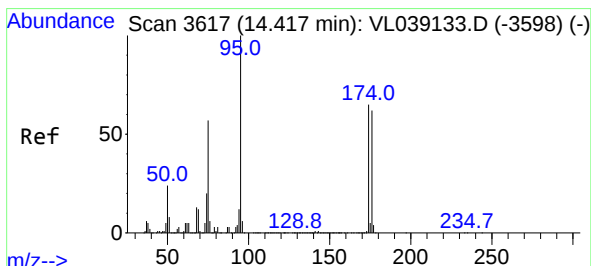
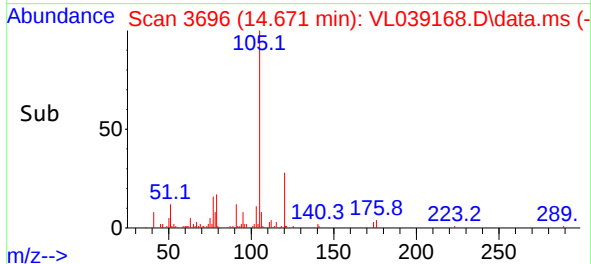
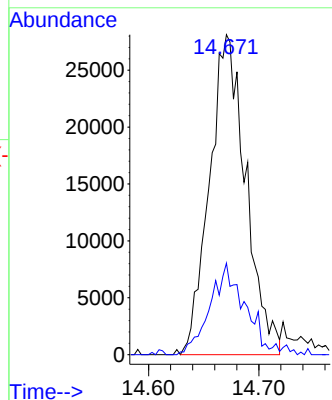
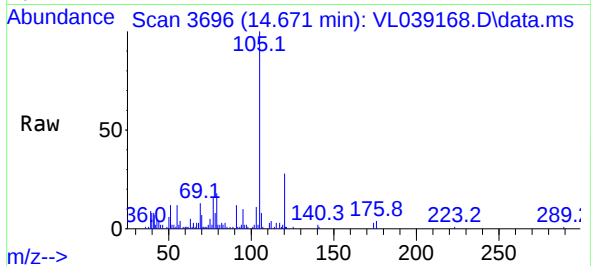
#62
Isopropylbenzene
Concen: 0.118 ppbv m
RT: 14.671 min Scan# 3696
Delta R.T. 0.000 min
Lab File: VL039168.D
Acq: 4 Jun 2022 1:14

Instrument :
MSVOA_L
ClientSampleId :
SV3DUP

Tgt Ion: 105 Resp: 64228
Ion Ratio Lower Upper
105 100
120 28.5 20.3 30.5

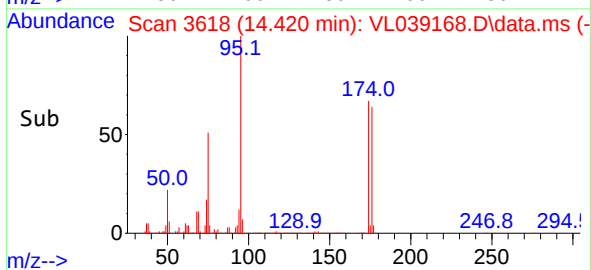
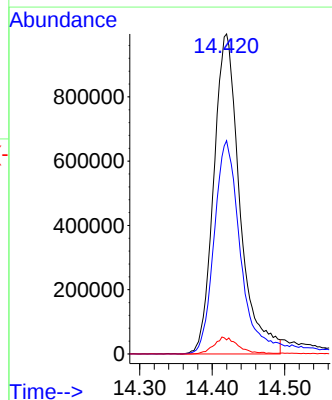
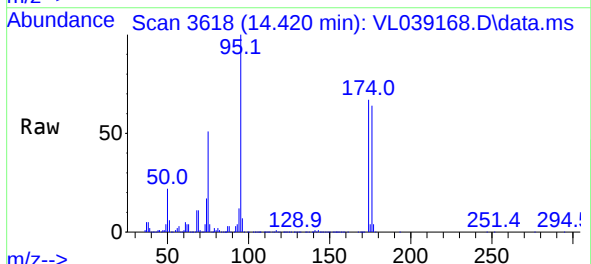
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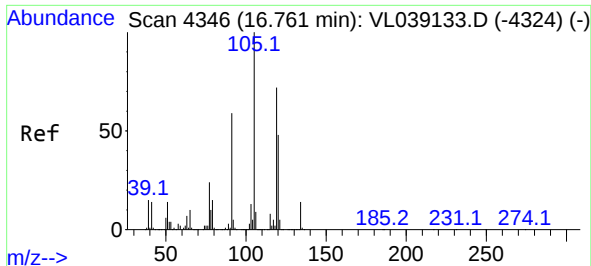
Reviewed By : Semsettin Yesilyurt 06/05/2022
Supervised By : Mahesh Dadoda 06/06/2022



#68
1-Bromo-4-Fluorobenzene
Concen: 9.355 ppbv
RT: 14.420 min Scan# 3618
Delta R.T. 0.003 min
Lab File: VL039168.D
Acq: 4 Jun 2022 1:14

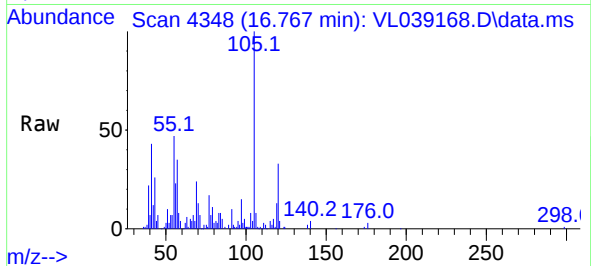
Tgt Ion: 95 Resp: 2486891
Ion Ratio Lower Upper
95 100
174 71.4 53.8 80.8
175 5.1 4.1 6.1





#74
1,2,4-Trimethylbenzene
Concen: 0.227 ppbv
RT: 16.767 min Scan# 4346
Delta R.T. 0.006 min
Lab File: VL039168.D
Acq: 4 Jun 2022 1:14

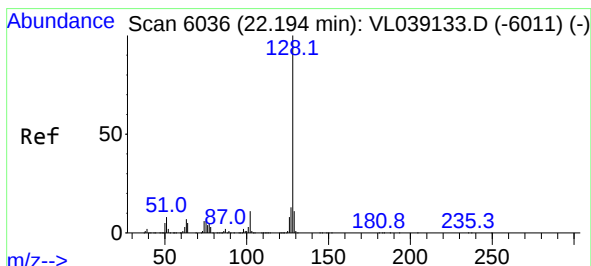
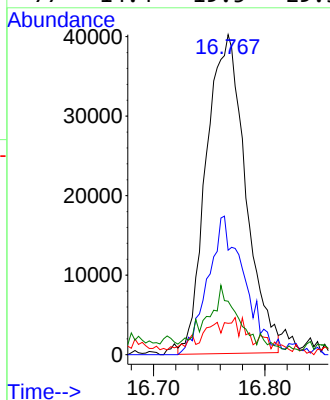
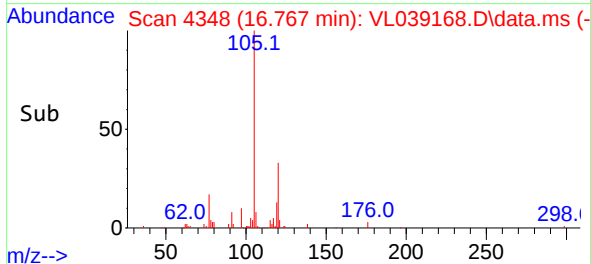
Instrument :
MSVOA_L
ClientSampleId :
SV3DUP



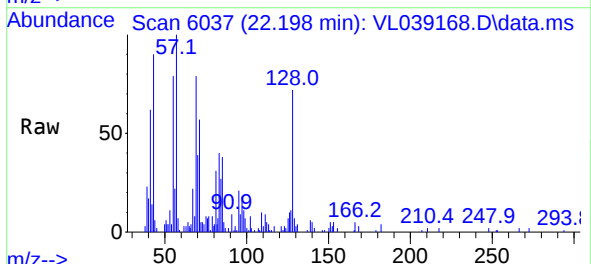
Tgt Ion:105 Resp: 98138
Ion Ratio Lower Upper
105 100
120 33.3 38.1 57.1
91 7.4 47.4 71.0
77 14.4 19.5 29.3

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 06/05/2022
Supervised By :Mahesh Dadoda 06/06/2022



#79
Naphthalene
Concen: 0.118 ppbv m
RT: 22.198 min Scan# 6037
Delta R.T. 0.003 min
Lab File: VL039168.D
Acq: 4 Jun 2022 1:14



Tgt Ion:128 Resp: 39429
Ion Ratio Lower Upper
128 100
127 15.9 10.4 15.6
129 10.3 9.0 13.6

