

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110121\
 Data File : VL037953.D
 Acq On : 2 Nov 2021 00:51
 Operator : SY/AP
 Sample : M4425-01DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/05/2021
 Supervised By :Mahesh Dadoda 11/10/2021

Quant Time: Nov 02 06:08:58 2021

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL110121AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Tue Nov 02 05:54:07 2021

QLast Update : Tue Nov 02 05:54:07 2021

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.655	49	1467778	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.160	114	4347424	10.000	ppbv	-0.01
55) Chlorobenzene-d5	12.066	117	3855369	10.000	ppbv	-0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.394	95	2710993	9.674	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.700%
Target Compounds						Qvalue
13) Ethanol	3.607	45	12782m	1.293	ppbv	
15) Acetone	3.851	43	216159m	1.782	ppbv	
19) Isopropyl Alcohol	3.970	45	10751m	0.139	ppbv	
20) Methylene Chloride	4.333	84	37460m	0.563	ppbv	
26) Hexane	5.674	57	43319m	0.254	ppbv	
29) Chloroform	5.742	83	61119m	0.240	ppbv	
31) cis-1,2-Dichloroethene	5.536	61	60996m	0.392	ppbv	
34) 2-Butanone	5.246	43	88287	0.548	ppbv	97
38) Trichloroethene	7.819	130	128326m	0.873	ppbv	
41) Tetrahydrofuran	6.070	42	15028m	0.191	ppbv	
51) 2-Hexanone	10.130	43	46985m	0.527	ppbv	
52) Tetrachloroethene	11.204	164	2401239	17.879	ppbv	96
53) Toluene	9.790	91	51692m	0.136	ppbv	
74) 1,2,4-Trimethylbenzene	16.738	105	90957	0.205	ppbv #	74

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

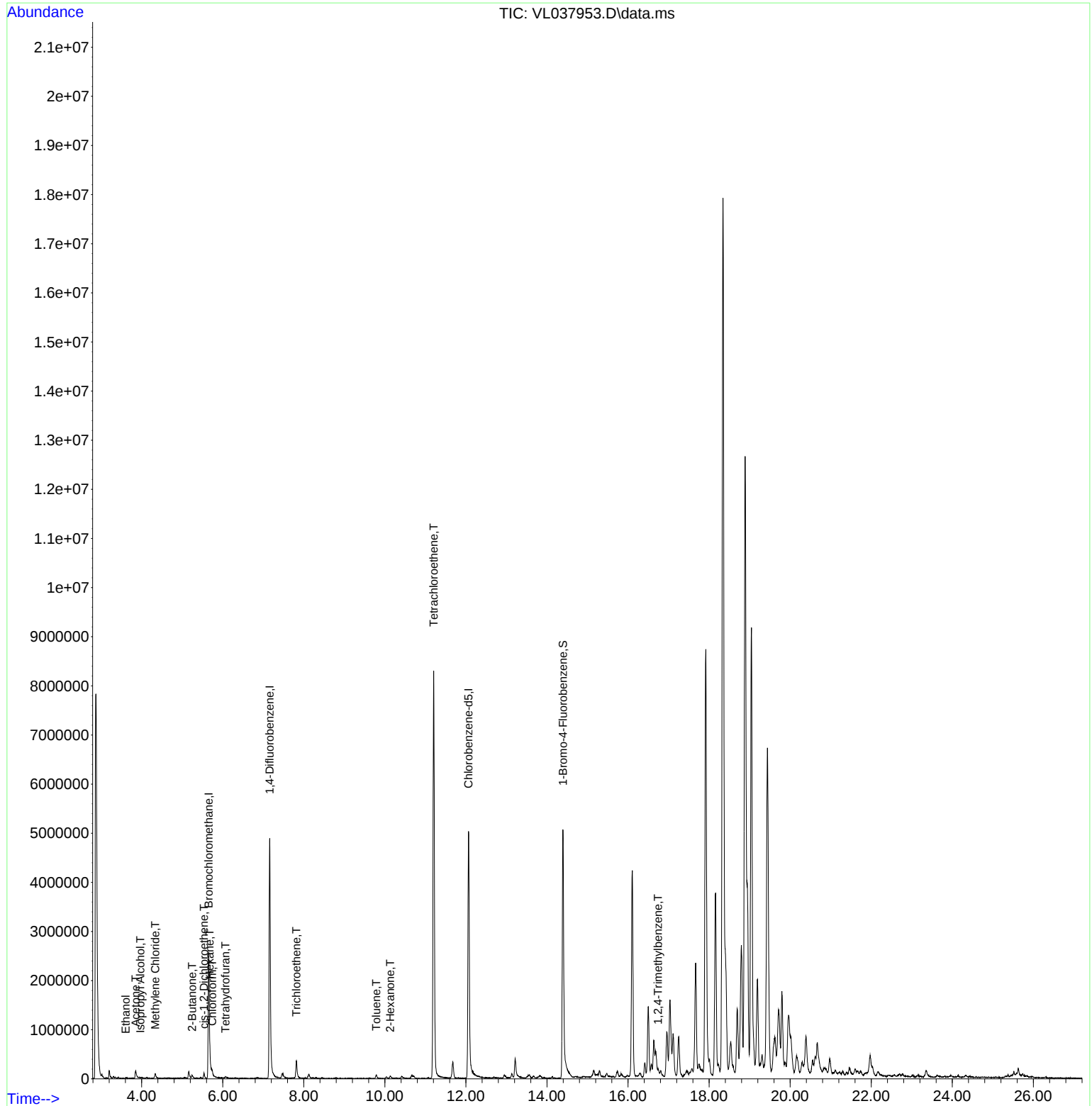
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110121\
Data File : VL037953.D
Acq On : 2 Nov 2021 00:51
Operator : SY/AP
Sample : M4425-01DL 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

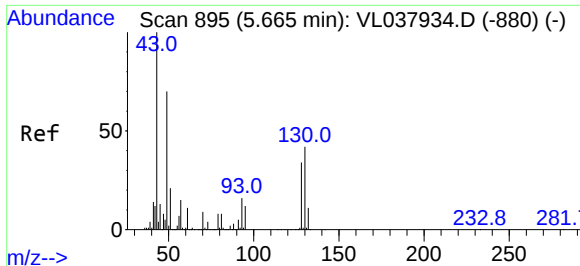
Instrument :
MSVOA_L
ClientSampleId :
SV1DL

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Supervised By :Mahesh Dadoda 11/10/2021

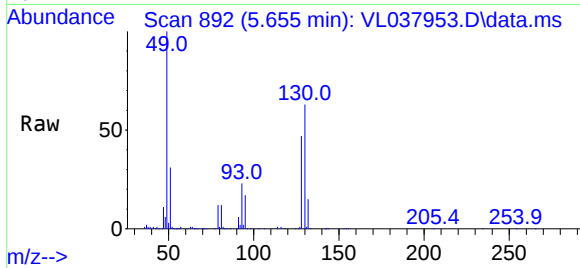
Quant Time: Nov 02 06:08:58 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL110121AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Nov
QLast Update : Tue Nov 02 05:54:07 2021
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.655 min Scan# 895
Delta R.T. -0.010 min
Lab File: VL037953.D
Acq: 2 Nov 2021 00:51

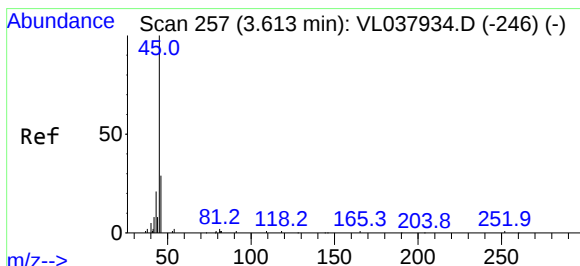
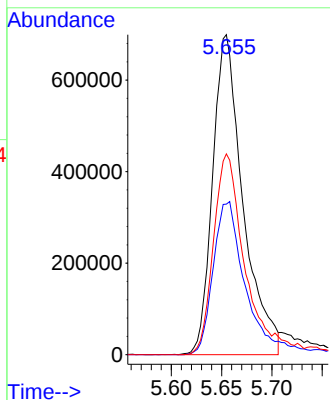
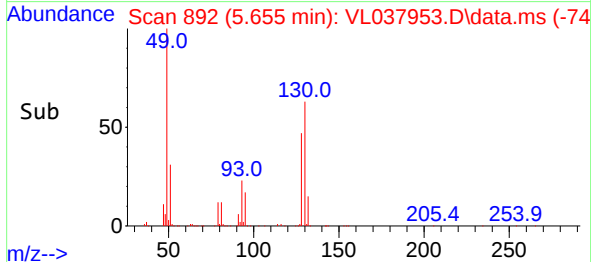
Instrument :
MSVOA_L
ClientSampleId :
SV1DL



Tgt Ion: 49 Resp: 1467778
Ion Ratio Lower Upper
49 100
128 54.3 27.0 81.0
130 67.2 33.4 100.2

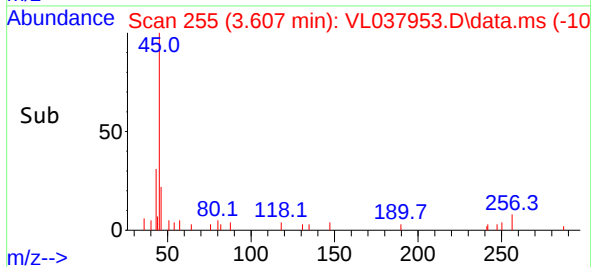
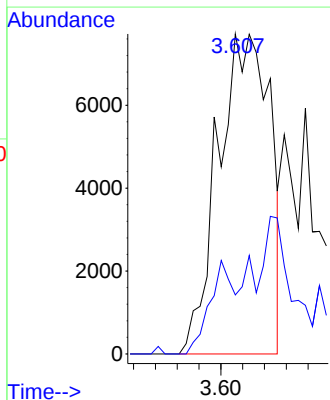
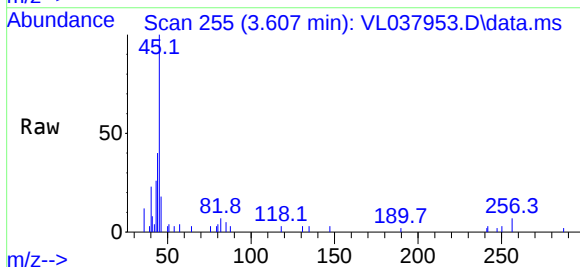
Manual Integrations
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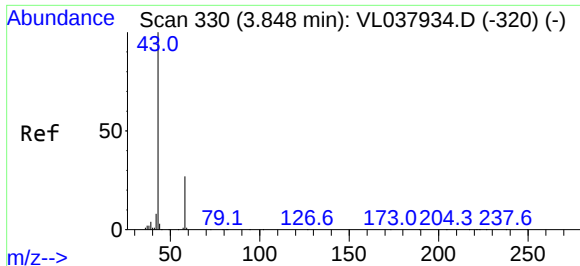
Reviewed By :Semsettin Yesilyurt 11/05/2021
Supervised By :Mahesh Dadoda 11/10/2021



#13
Ethanol
Concen: 1.293 ppbv m
RT: 3.607 min Scan# 255
Delta R.T. -0.007 min
Lab File: VL037953.D
Acq: 2 Nov 2021 00:51

Tgt Ion: 45 Resp: 12782
Ion Ratio Lower Upper
45 100
46 0.0 17.4 69.8#





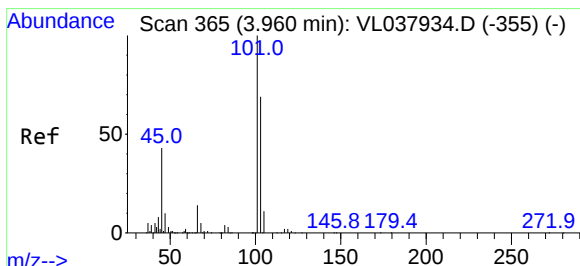
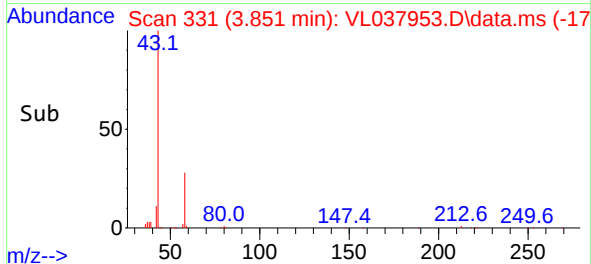
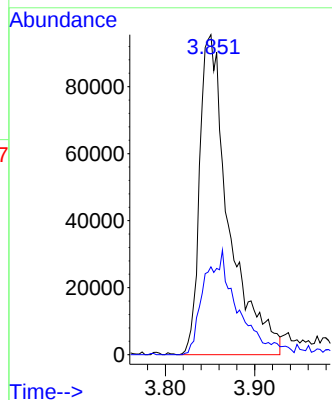
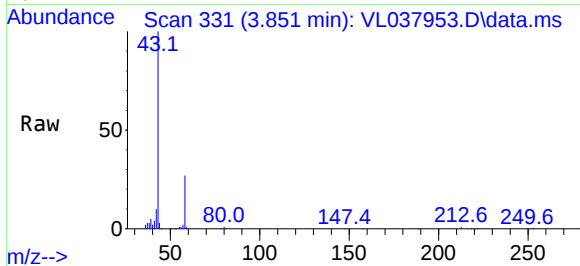
#15
Acetone
Concen: 1.782 ppbv m
RT: 3.851 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL037953.D
Acq: 2 Nov 2021 00:51

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Tgt Ion: 43 Resp: 21615
Ion Ratio Lower Upper
43 100
58 38.0 23.3 34.9

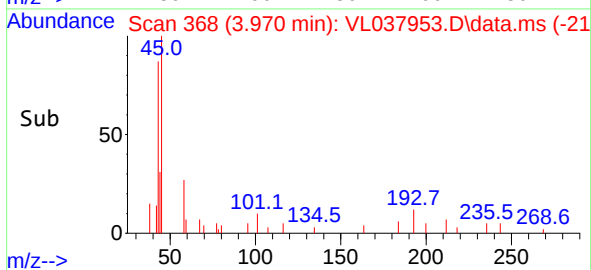
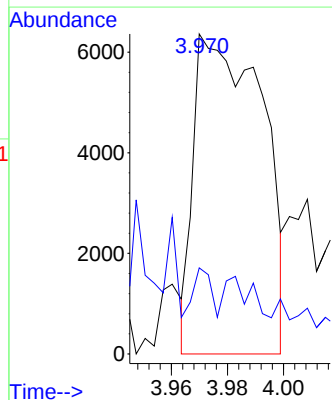
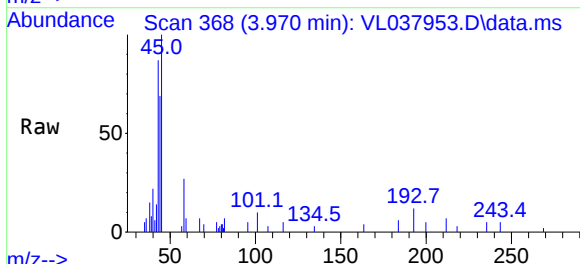
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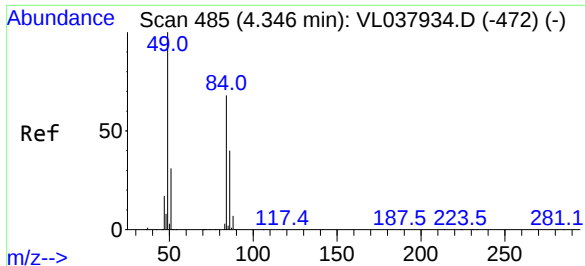
Reviewed By :Semsettin Yesilyurt 11/05/2021
Supervised By :Mahesh Dadoda 11/10/2021



#19
Isopropyl Alcohol
Concen: 0.139 ppbv m
RT: 3.970 min Scan# 368
Delta R.T. 0.009 min
Lab File: VL037953.D
Acq: 2 Nov 2021 00:51

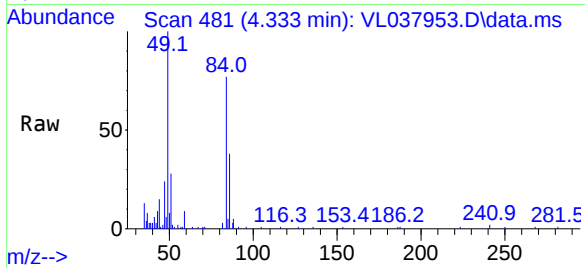
Tgt Ion: 45 Resp: 10751
Ion Ratio Lower Upper
45 100
58 0.0 4.0 6.0





#20
Methylene Chloride
Concen: 0.563 ppbv m
RT: 4.333 min Scan# 41
Delta R.T. -0.013 min
Lab File: VL037953.D
Acq: 2 Nov 2021 00:51

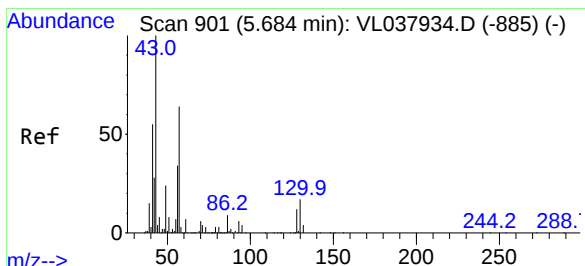
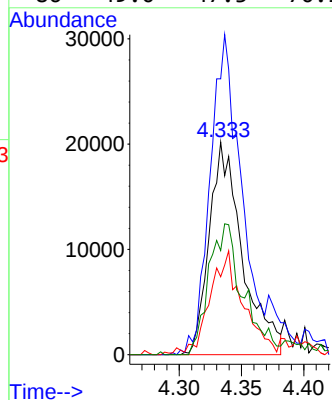
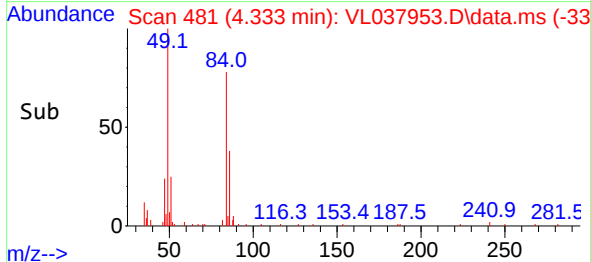
Instrument :
MSVOA_L
ClientSampleId :
SV1DL



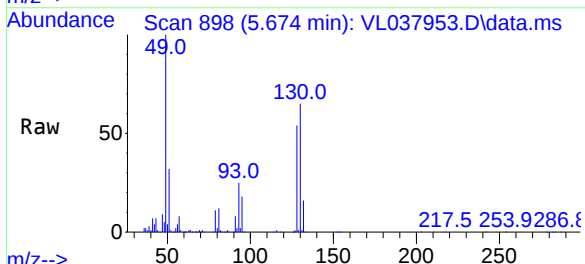
Tgt Ion: 84 Resp: 37460
Ion Ratio Lower Upper
84 100
49 129.7 117.5 176.3
51 36.7 35.9 53.9
86 49.0 47.3 70.9

Manual Integrations
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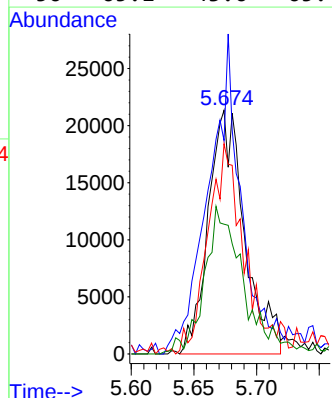
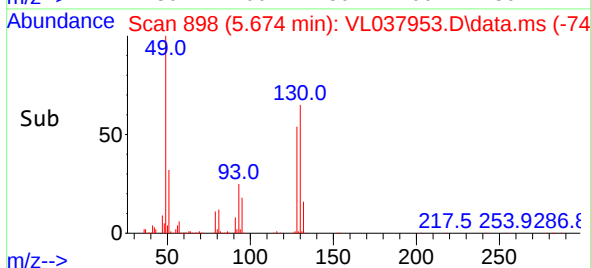
Reviewed By :Semsettin Yesilyurt 11/05/2021
Supervised By :Mahesh Dadoda 11/10/2021

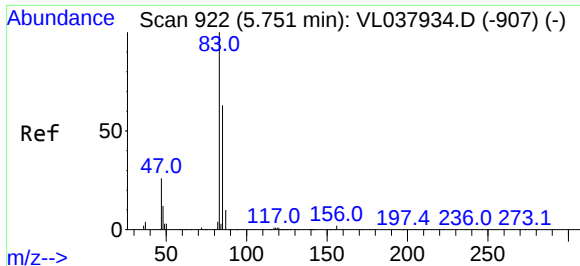


#26
Hexane
Concen: 0.254 ppbv m
RT: 5.674 min Scan# 898
Delta R.T. -0.010 min
Lab File: VL037953.D
Acq: 2 Nov 2021 00:51



Tgt Ion: 57 Resp: 43319
Ion Ratio Lower Upper
57 100
41 0.0 71.0 106.6#
43 86.7 173.0 259.6#
56 65.1 43.6 65.4





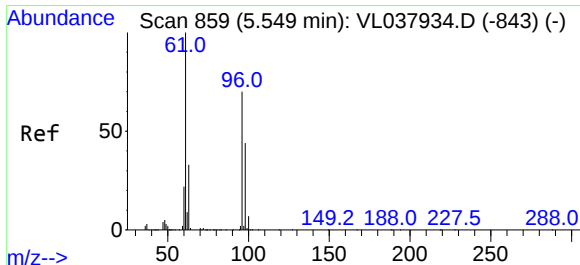
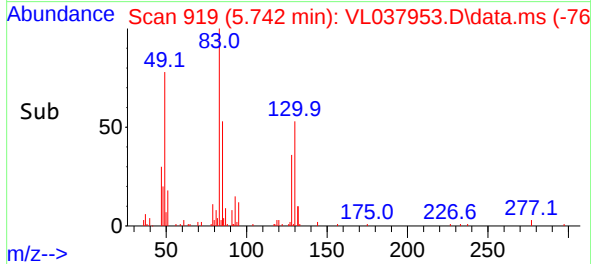
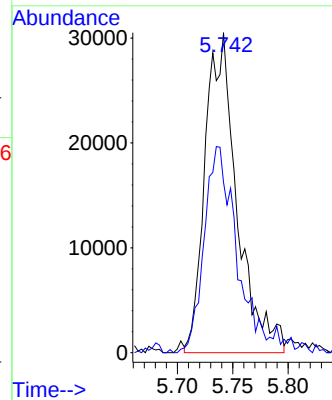
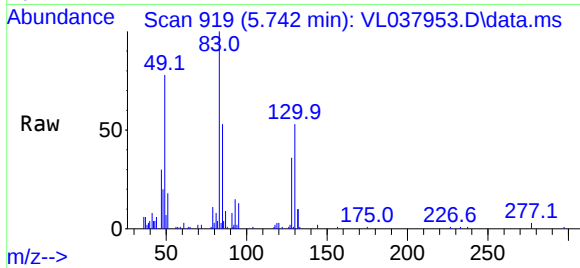
#29
Chloroform
Concen: 0.240 ppbv m
RT: 5.742 min Scan# 911
Delta R.T. -0.010 min
Lab File: VL037953.D
Acq: 2 Nov 2021 00:51

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Tgt Ion: 83 Resp: 61119
Ion Ratio Lower Upper
83 100
85 53.3 50.6 76.0

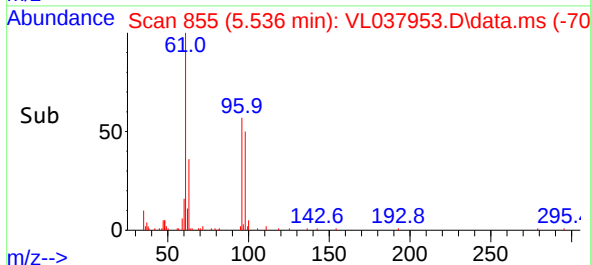
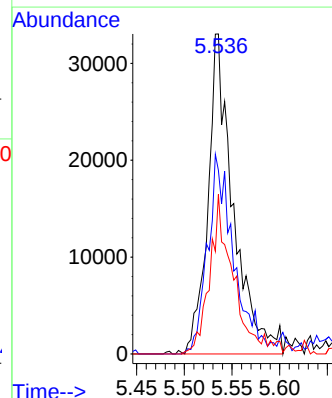
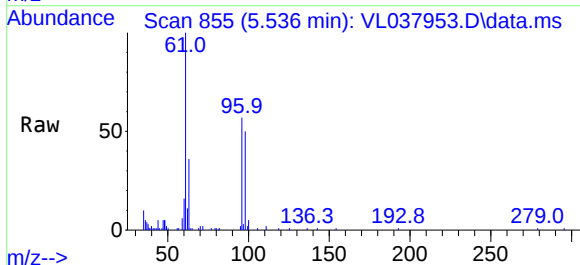
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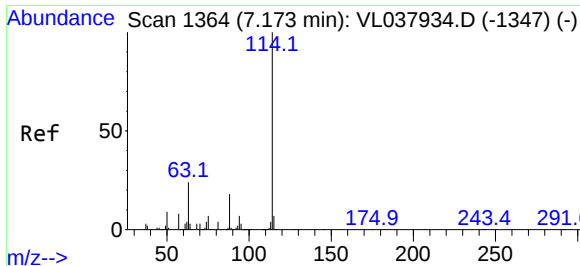
Reviewed By :Semsettin Yesilyurt 11/05/2021
Supervised By :Mahesh Dadoda 11/10/2021



#31
cis-1,2-Dichloroethene
Concen: 0.392 ppbv m
RT: 5.536 min Scan# 855
Delta R.T. -0.013 min
Lab File: VL037953.D
Acq: 2 Nov 2021 00:51

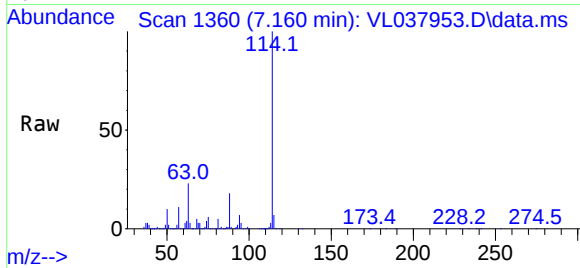
Tgt Ion: 61 Resp: 60996
Ion Ratio Lower Upper
61 100
96 57.4 55.6 83.4
98 49.9 34.9 52.3





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.160 min Scan# 114
Delta R.T. -0.013 min
Lab File: VL037953.D
Acq: 2 Nov 2021 00:51

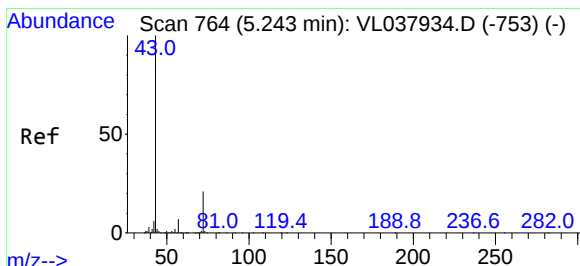
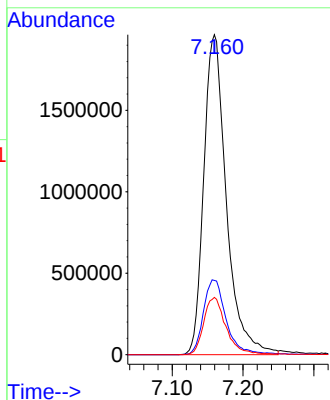
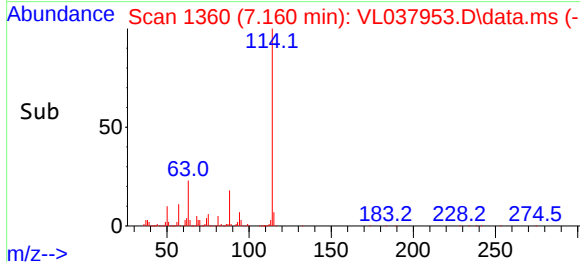
Instrument :
MSVOA_L
ClientSampleId :
SV1DL



Tgt Ion:114 Resp: 4347424
Ion Ratio Lower Upper
114 100
63 23.9 19.4 29.0
88 18.0 14.2 21.4

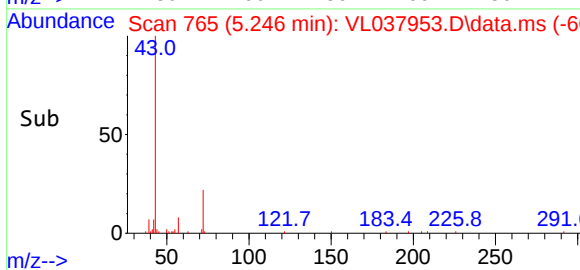
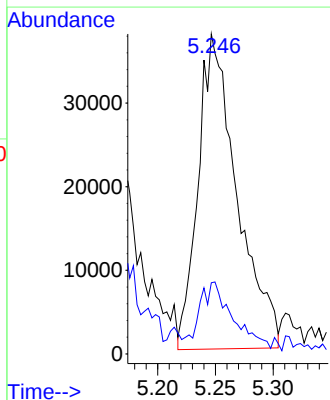
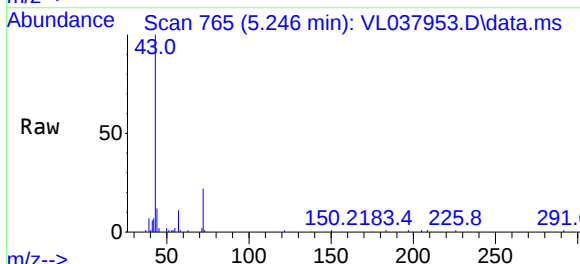
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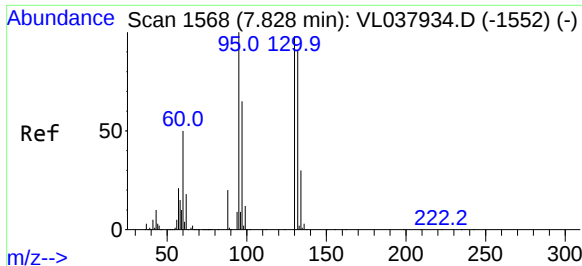
Reviewed By :Semsettin Yesilyurt 11/05/2021
Supervised By :Mahesh Dadoda 11/10/2021



#34
2-Butanone
Concen: 0.548 ppbv
RT: 5.246 min Scan# 765
Delta R.T. 0.003 min
Lab File: VL037953.D
Acq: 2 Nov 2021 00:51

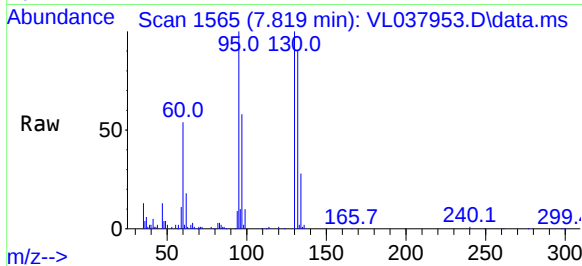
Tgt Ion: 43 Resp: 88287
Ion Ratio Lower Upper
43 100
72 24.2 18.3 27.5





#38
Trichloroethene
Concen: 0.873 ppbv m
RT: 7.819 min Scan# 11
Delta R.T. -0.010 min
Lab File: VL037953.D
Acq: 2 Nov 2021 00:51

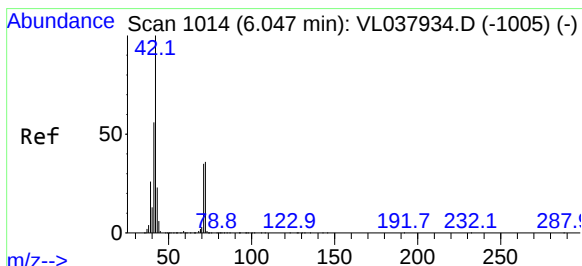
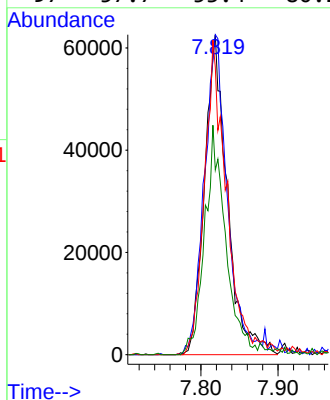
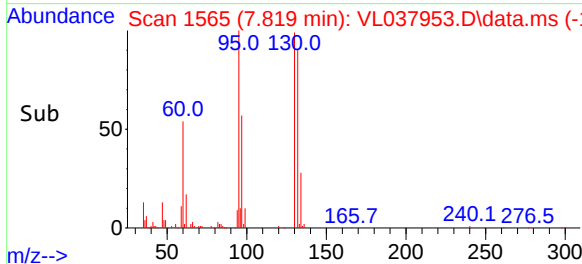
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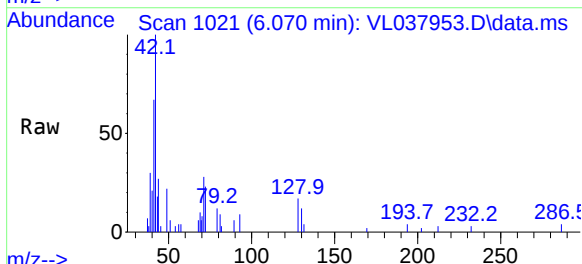
Tgt Ion:130 Resp: 128320
Ion Ratio Lower Upper
130 100
95 100.0 81.8 122.8
132 89.8 74.2 111.2
97 57.7 53.4 80.2

Manual Integrations
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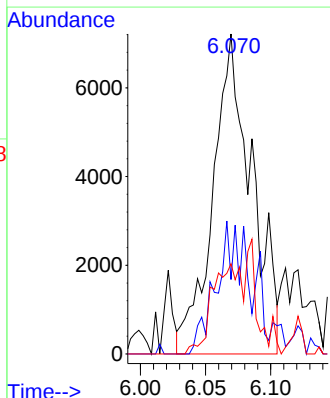
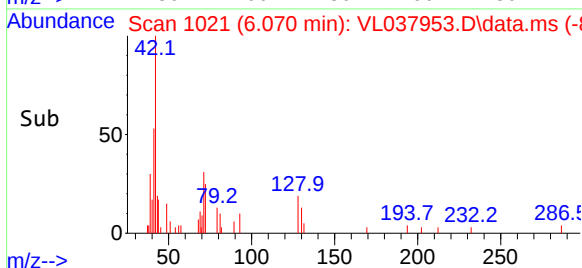
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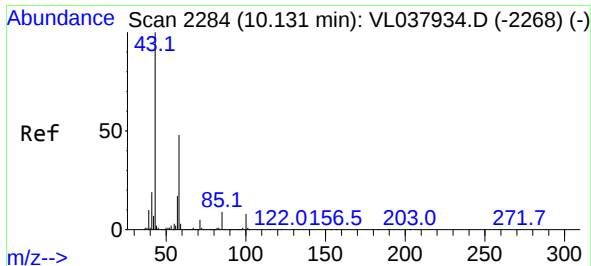


#41
Tetrahydrofuran
Concen: 0.191 ppbv m
RT: 6.070 min Scan# 1021
Delta R.T. 0.022 min
Lab File: VL037953.D
Acq: 2 Nov 2021 00:51



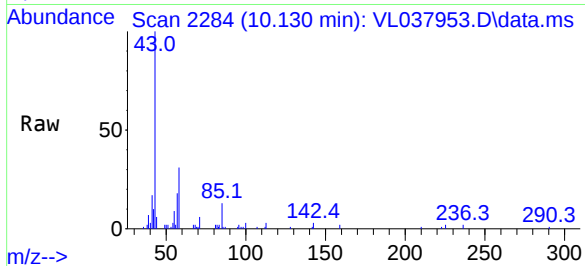
Tgt Ion: 42 Resp: 15028
Ion Ratio Lower Upper
42 100
72 0.0 31.5 47.3#
71 0.0 30.5 45.7#





#51
2-Hexanone
Concen: 0.527 ppbv m
RT: 10.130 min Scan# 21
Delta R.T. -0.000 min
Lab File: VL037953.D
Acq: 2 Nov 2021 00:51

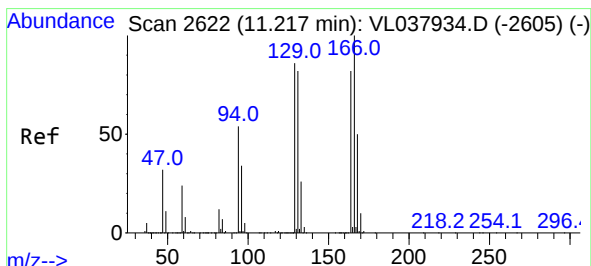
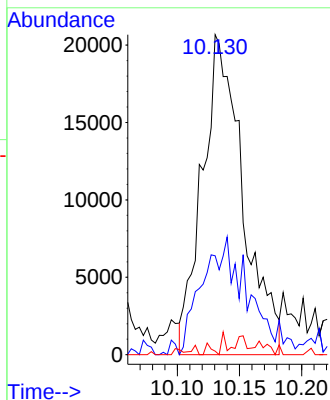
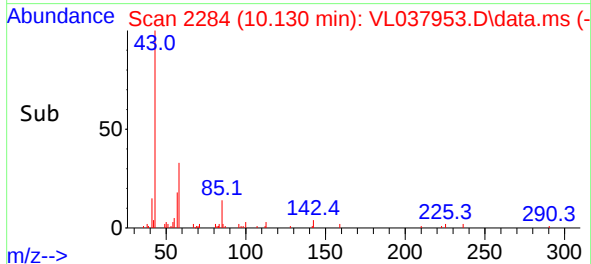
Instrument :
MSVOA_L
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SV1DL



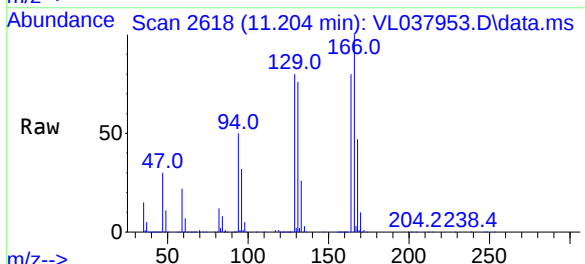
Tgt Ion: 43 Resp: 4698
Ion Ratio Lower Upper
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58 0.0 38.6 57.8
98 1.3 1.0 1.4

Manual Integrations
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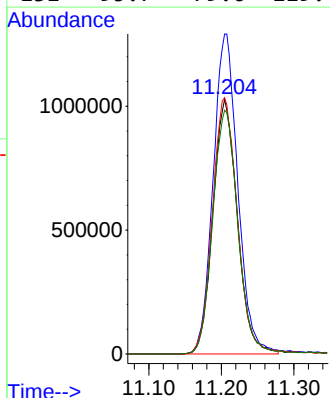
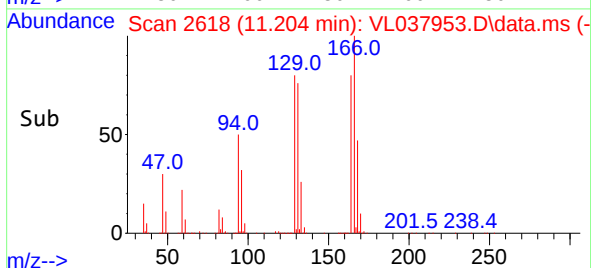
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Supervised By :Mahesh Dadoda 11/10/2021

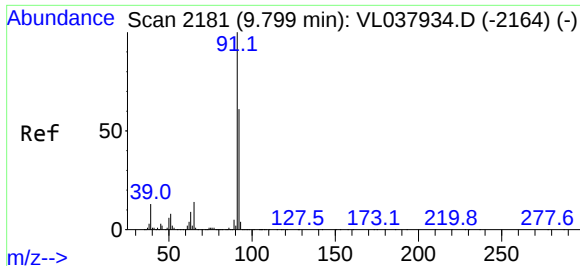


#52
Tetrachloroethene
Concen: 17.879 ppbv
RT: 11.204 min Scan# 2618
Delta R.T. -0.013 min
Lab File: VL037953.D
Acq: 2 Nov 2021 00:51



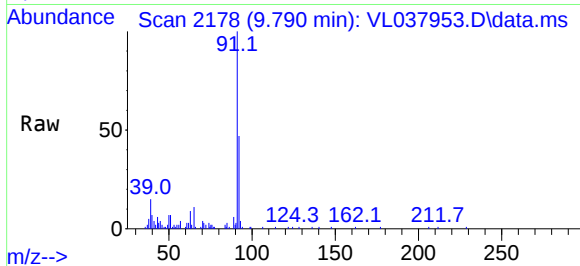
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Ion Ratio Lower Upper
164 100
166 125.6 97.6 146.4
129 100.7 84.2 126.2
131 95.7 79.6 119.4





#53
Toluene
Concen: 0.136 ppbv m
RT: 9.790 min Scan# 2181
Delta R.T. -0.010 min
Lab File: VL037953.D
Acq: 2 Nov 2021 00:51

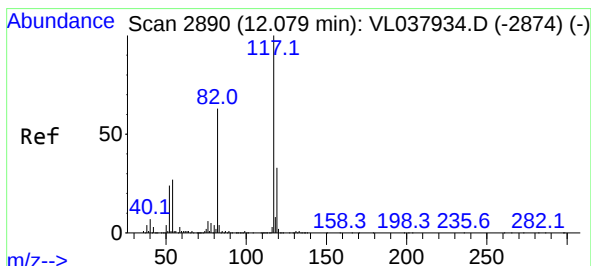
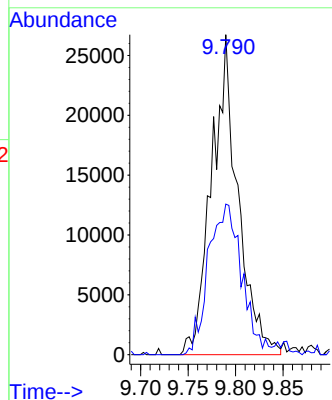
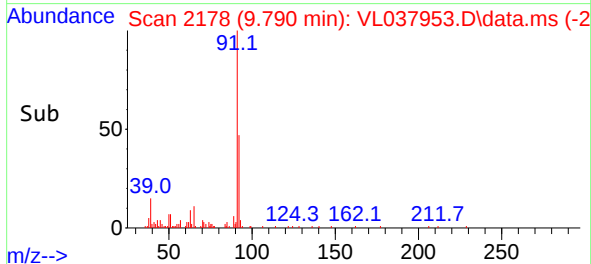
Instrument :
MSVOA_L
ClientSampleId :
SV1DL



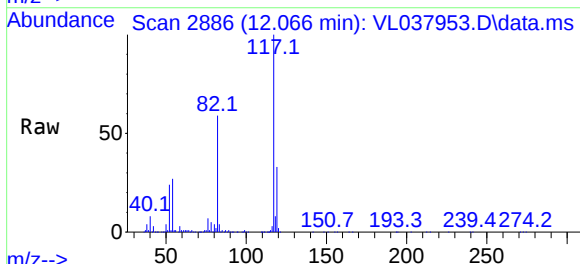
Tgt Ion: 91 Resp: 51692
Ion Ratio Lower Upper
91 100
92 61.2 48.2 72.4

Manual Integrations
APPROVED

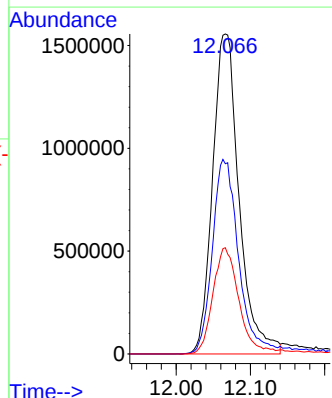
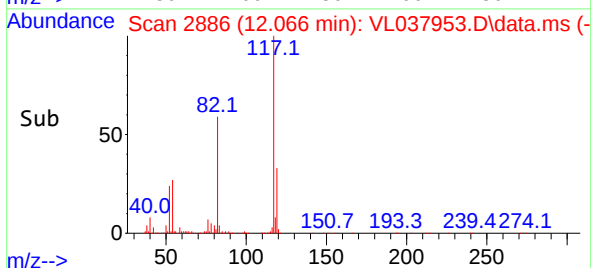
Reviewed By :Semsettin Yesilyurt 11/05/2021
Supervised By :Mahesh Dadoda 11/10/2021

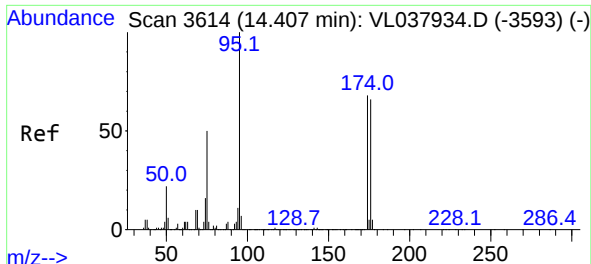


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.066 min Scan# 2886
Delta R.T. -0.013 min
Lab File: VL037953.D
Acq: 2 Nov 2021 00:51



Tgt Ion:117 Resp: 3855369
Ion Ratio Lower Upper
117 100
82 63.7 51.0 76.6
119 34.3 26.9 40.3





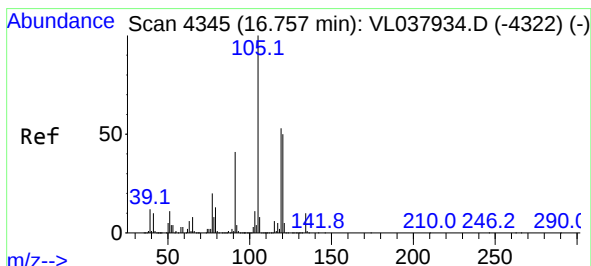
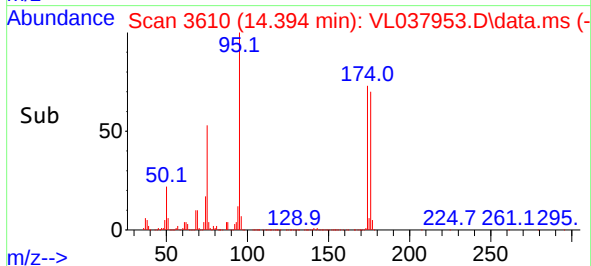
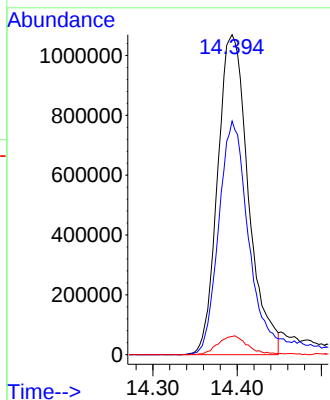
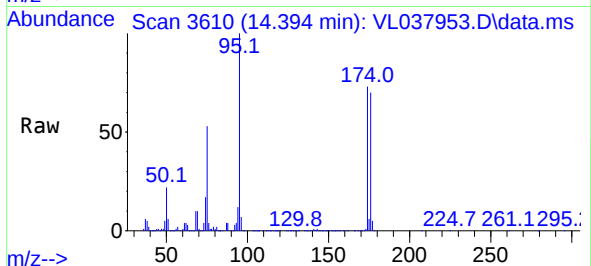
#68
1-Bromo-4-Fluorobenzene
Concen: 9.674 ppbv
RT: 14.394 min Scan# 3610
Delta R.T. -0.013 min
Lab File: VL037953.D
Acq: 2 Nov 2021 00:51

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Tgt Ion: 95 Resp: 271099
Ion Ratio Lower Upper
95 100
174 78.2 58.3 87.5
175 5.9 4.6 6.8

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/05/2021
Supervised By :Mahesh Dadoda 11/10/2021



#74
1,2,4-Trimethylbenzene
Concen: 0.205 ppbv
RT: 16.738 min Scan# 4339
Delta R.T. -0.019 min
Lab File: VL037953.D
Acq: 2 Nov 2021 00:51

Tgt Ion:105 Resp: 90957
Ion Ratio Lower Upper
105 100
120 38.4 40.0 60.0#
91 13.8 32.6 49.0#
77 13.0 15.8 23.8#

