

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110121\
 Data File : VL037948.D
 Acq On : 1 Nov 2021 21:35
 Operator : SY/AP
 Sample : M4426-02
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA2

Manual Integrations
 APPROVED

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

Quant Time: Nov 02 06:07:59 2021

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Nov 02 06:07:59 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	5.658	49	1433951	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.163	114	4006613	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.066	117	3544842	10.000	ppbv	-0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.394	95	2484954	9.644	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.400%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.047	85	47432	0.235	ppbv	95
3) Chlorodifluoromethane	2.980	51	91917m	0.344	ppbv	
4) Chloromethane	3.140	50	58264m	0.574	ppbv	
5) Vinyl Chloride	3.266	62	3334m	0.034	ppbv	
9) Propene	3.021	41	748188	7.817	ppbv #	60
10) Heptane	8.102	43	32036m	0.144	ppbv	
11) Trichlorofluoromethane	3.944	101	36577	0.182	ppbv	90
13) Ethanol	3.600	45	7380464	764.379	ppbv	90
15) Acetone	3.838	43	4754239	40.123	ppbv	97
19) Isopropyl Alcohol	3.963	45	2100578	27.722	ppbv #	93
20) Methylene Chloride	4.340	84	138850	2.134	ppbv	96
25) Ethyl Acetate	5.661	43	1304480	3.707	ppbv #	91
29) Chloroform	5.742	83	34641m	0.139	ppbv	
30) Cyclohexane	7.121	84	62555m	0.439	ppbv	
34) 2-Butanone	5.234	43	283474	1.909	ppbv	97
35) Carbon Tetrachloride	7.002	117	12367	0.051	ppbv #	63
36) Benzene	6.873	78	83000	0.254	ppbv	98
38) Trichloroethene	7.819	130	11111m	0.082	ppbv	
50) 4-Methyl-2-Pentanone	8.738	43	55757m	0.286	ppbv	
52) Tetrachloroethene	11.208	164	57685m	0.466	ppbv	
53) Toluene	9.790	91	717299	2.051	ppbv	98
58) Ethyl Benzene	12.690	91	128974m	0.298	ppbv	
59) m/p-Xylene	12.947	91	457378	1.187	ppbv	96
60) o-Xylene	13.670	91	184409	0.508	ppbv	100
61) Styrene	13.503	104	61675m	0.370	ppbv	
69) p-Isopropyltoluene	17.632	119	155598m	0.310	ppbv	
74) 1,2,4-Trimethylbenzene	16.738	105	69684m	0.171	ppbv	

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

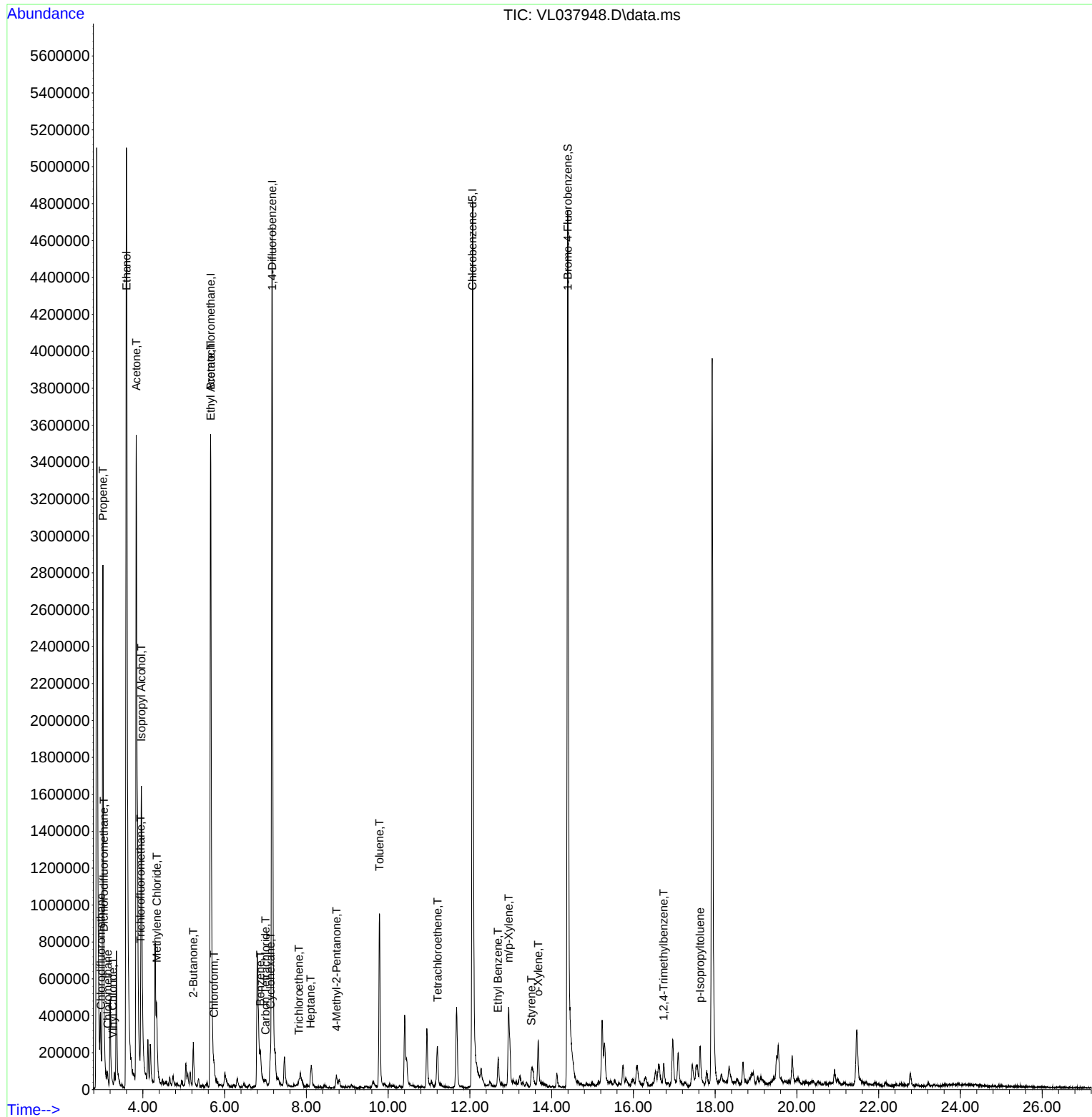
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110121\
Data File : VL037948.D
Acq On : 1 Nov 2021 21:35
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Misc : 400mL/MSVOA_L
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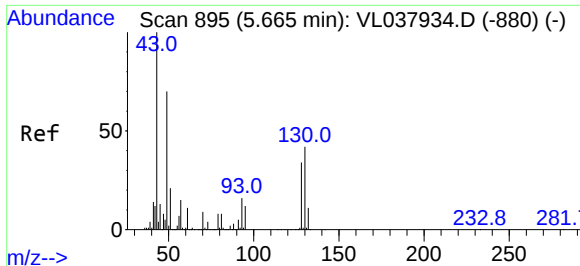
Instrument :
MSVOA_L
ClientSampleId :
IA2

Quant Time: Nov 02 06:07:59 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

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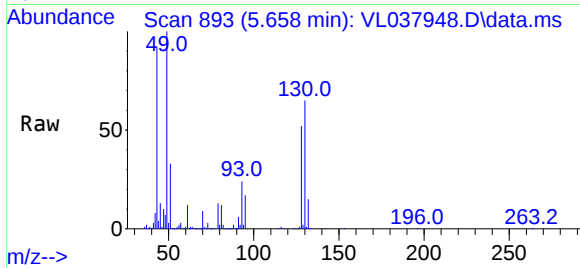
Reviewed By : Semsettin Yesilyurt 11/05/2021
Supervised By : Mahesh Dadoda 11/10/2021





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.658 min Scan# 89
Delta R.T. -0.007 min
Lab File: VL037948.D
Acq: 1 Nov 2021 21:35

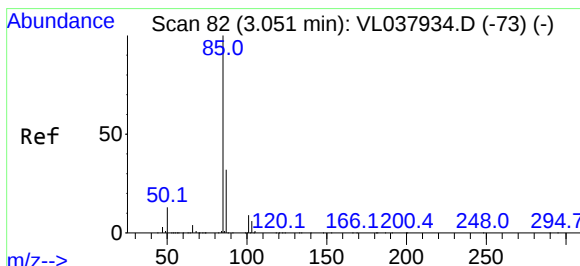
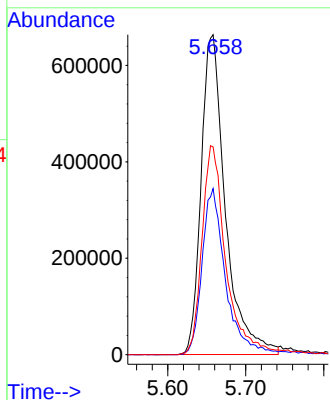
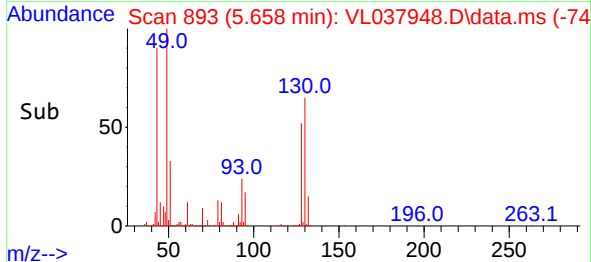
Instrument :
MSVOA_L
ClientSampleId :
IA2



Tgt Ion: 49 Resp: 143395
Ion Ratio Lower Upper
49 100
128 51.5 27.0 81.0
130 65.6 33.4 100.2

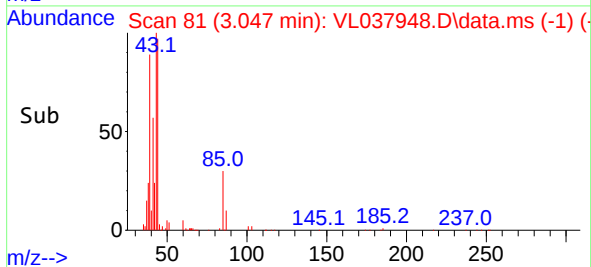
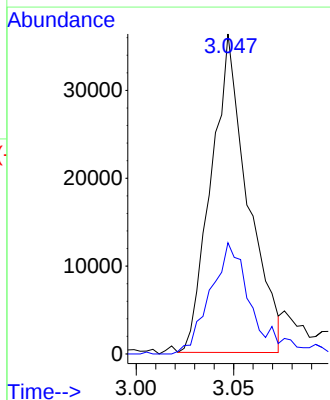
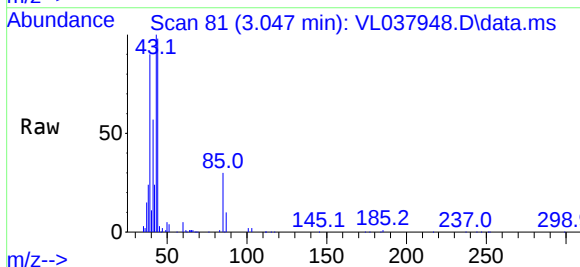
Manual Integrations
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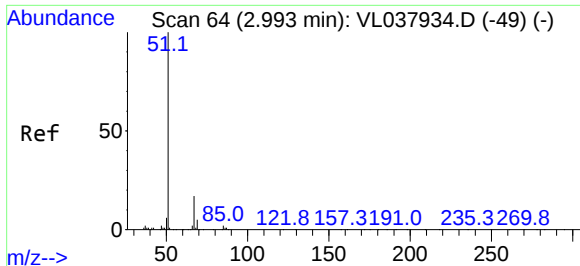
Reviewed By :Semsettin Yesilyurt 11/05/2021
Supervised By :Mahesh Dadoda 11/10/2021



#2
Dichlorodifluoromethane
Concen: 0.235 ppbv
RT: 3.047 min Scan# 81
Delta R.T. -0.003 min
Lab File: VL037948.D
Acq: 1 Nov 2021 21:35

Tgt Ion: 85 Resp: 47432
Ion Ratio Lower Upper
85 100
87 34.1 25.3 37.9





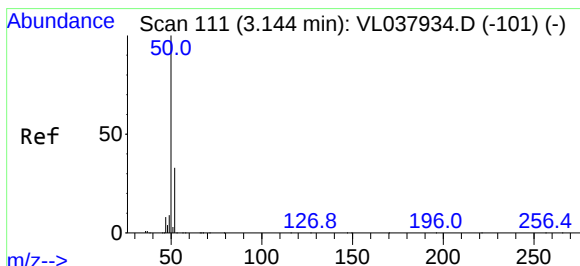
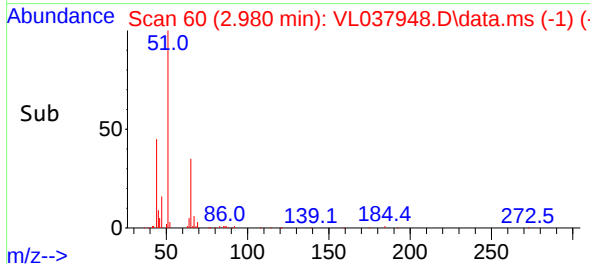
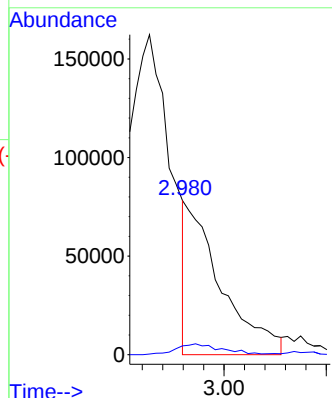
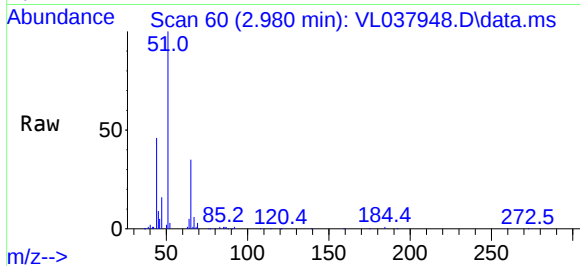
#3
Chlorodifluoromethane
Concen: 0.344 ppbv m
RT: 2.980 min Scan# 60
Delta R.T. -0.013 min
Lab File: VL037948.D
Acq: 1 Nov 2021 21:35

Instrument :
MSVOA_L
ClientSampleId :
IA2

Tgt Ion: 51 Resp: 9191
Ion Ratio Lower Upper
51 100
67 9.4 13.4 20.0

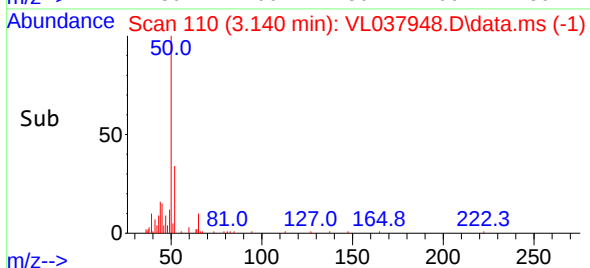
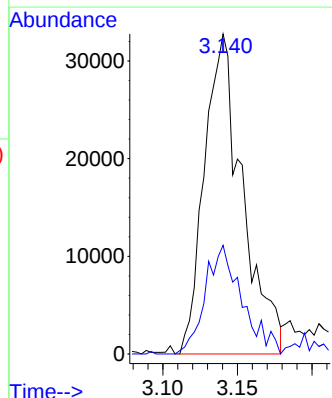
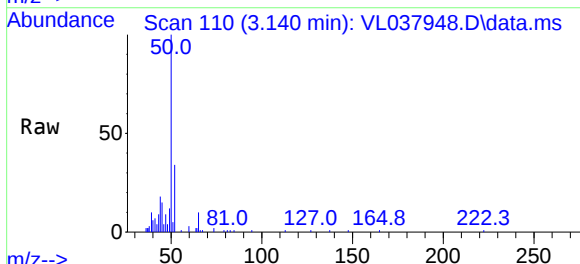
Manual Integrations
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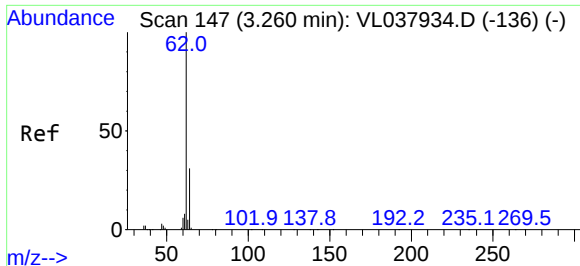
Reviewed By :Semsettin Yesilyurt 11/05/2021
Supervised By :Mahesh Dadoda 11/10/2021



#4
Chloromethane
Concen: 0.574 ppbv m
RT: 3.140 min Scan# 110
Delta R.T. -0.003 min
Lab File: VL037948.D
Acq: 1 Nov 2021 21:35

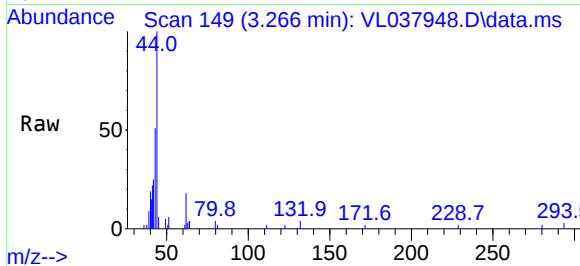
Tgt Ion: 50 Resp: 58264
Ion Ratio Lower Upper
50 100
52 34.0 26.3 39.5





#5
 Vinyl Chloride
 Concen: 0.034 ppbv m
 RT: 3.266 min Scan# 147
 Delta R.T. 0.006 min
 Lab File: VL037948.D
 Acq: 1 Nov 2021 21:35

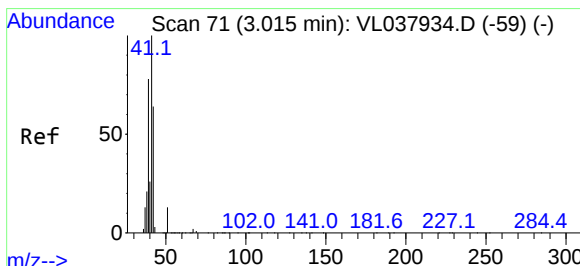
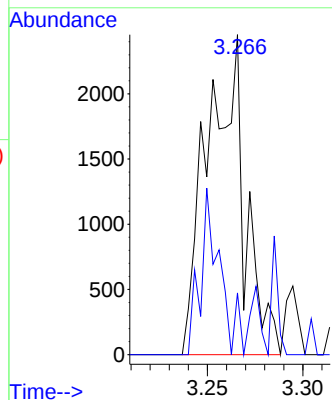
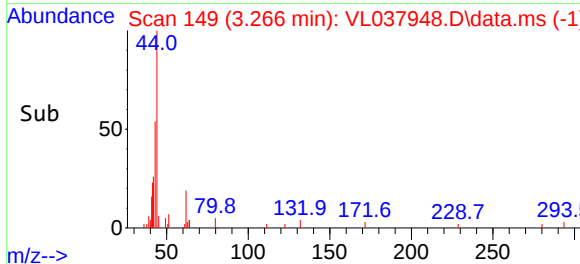
Instrument :
 MSVOA_L
 ClientSampleId :
 IA2



Tgt Ion: 62 Resp: 3334
 Ion Ratio Lower Upper
 62 100
 64 22.4 24.7 37.1

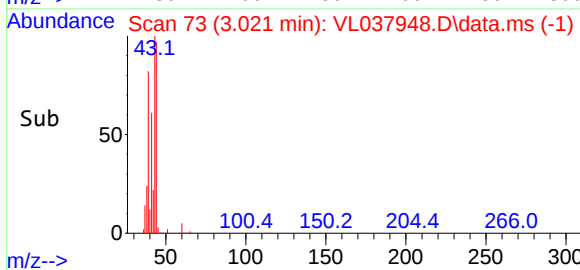
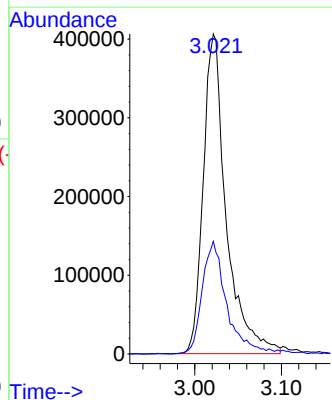
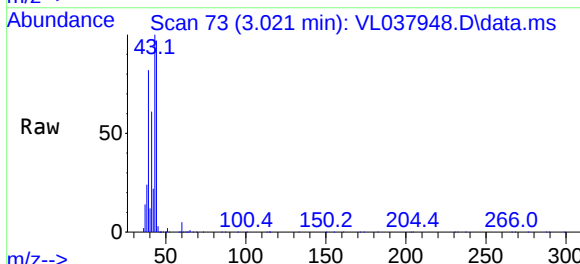
Manual Integrations
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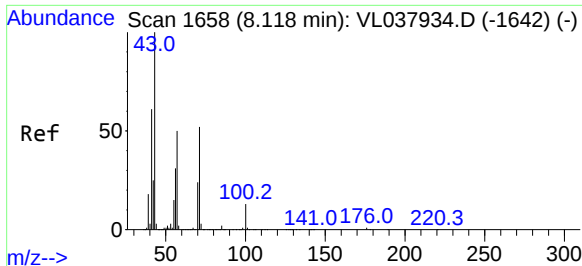
Reviewed By :Semsettin Yesilyurt 11/05/2021
 Supervised By :Mahesh Dadoda 11/10/2021



#9
 Propene
 Concen: 7.817 ppbv
 RT: 3.021 min Scan# 73
 Delta R.T. 0.006 min
 Lab File: VL037948.D
 Acq: 1 Nov 2021 21:35

Tgt Ion: 41 Resp: 748188
 Ion Ratio Lower Upper
 41 100
 42 38.4 57.6 86.4





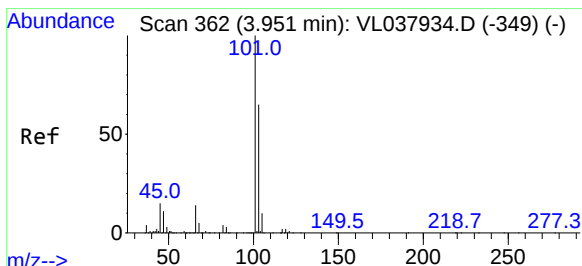
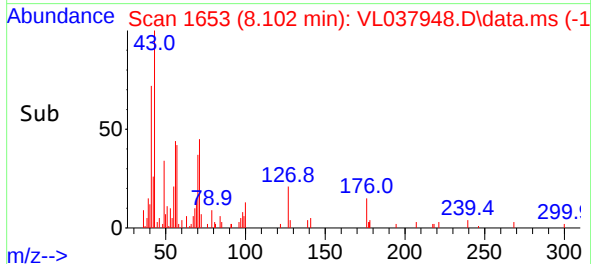
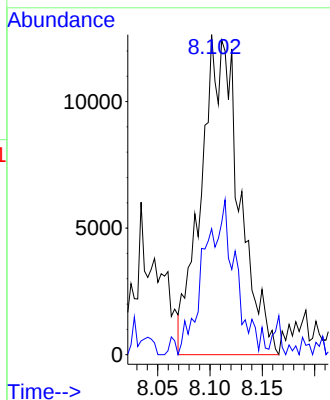
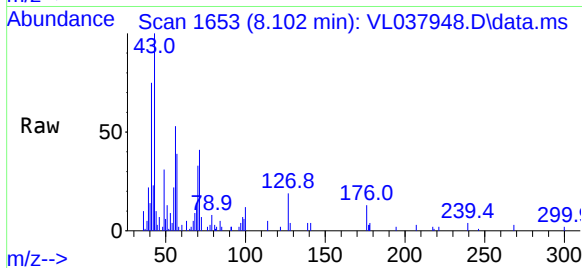
#10
Heptane
Concen: 0.144 ppbv m
RT: 8.102 min Scan# 11
Delta R.T. -0.016 min
Lab File: VL037948.D
Acq: 1 Nov 2021 21:35

Instrument :
MSVOA_L
ClientSampleId :
IA2

Tgt Ion: 43 Resp: 32030
Ion Ratio Lower Upper
43 100
57 43.8 39.8 59.8

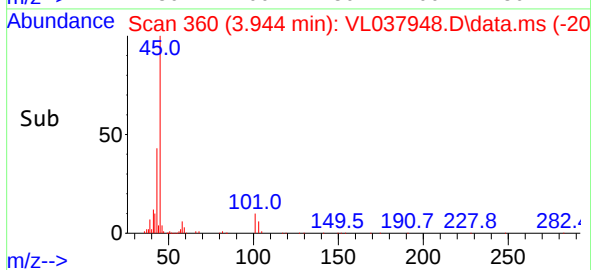
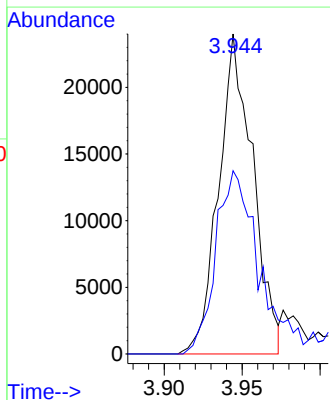
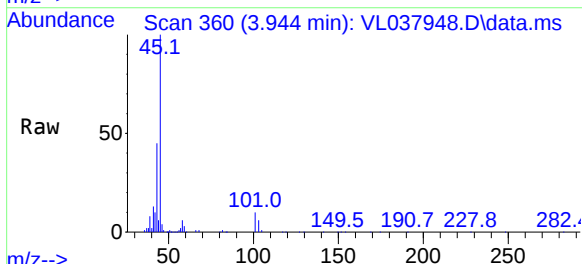
Manual Integrations
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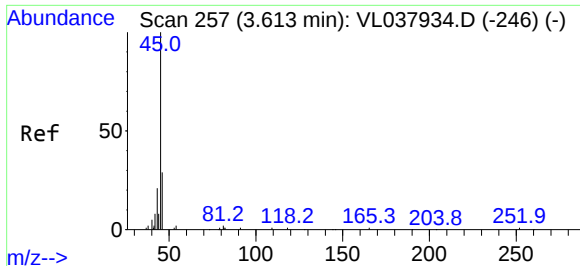
Reviewed By :Semsettin Yesilyurt 11/05/2021
Supervised By :Mahesh Dadoda 11/10/2021



#11
Trichlorofluoromethane
Concen: 0.182 ppbv
RT: 3.944 min Scan# 360
Delta R.T. -0.007 min
Lab File: VL037948.D
Acq: 1 Nov 2021 21:35

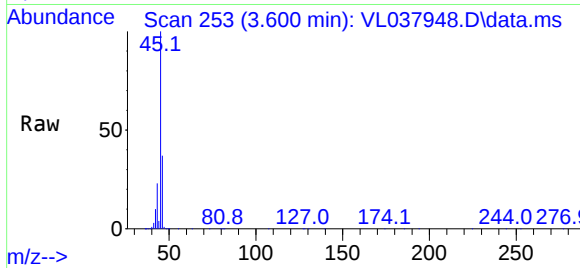
Tgt Ion:101 Resp: 36577
Ion Ratio Lower Upper
101 100
103 57.2 52.0 78.0





#13
Ethanol
Concen: 764.379 ppbv
RT: 3.600 min Scan# 21
Delta R.T. -0.013 min
Lab File: VL037948.D
Acq: 1 Nov 2021 21:35

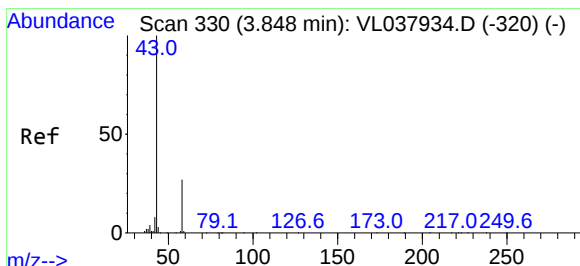
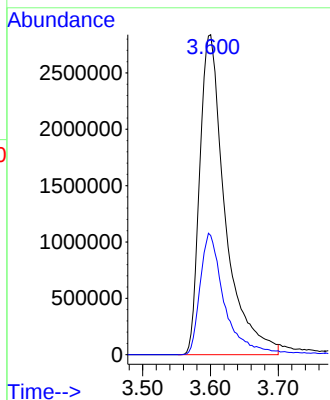
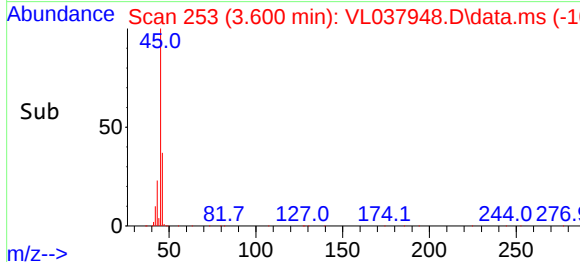
Instrument :
MSVOA_L
ClientSampleId :
IA2



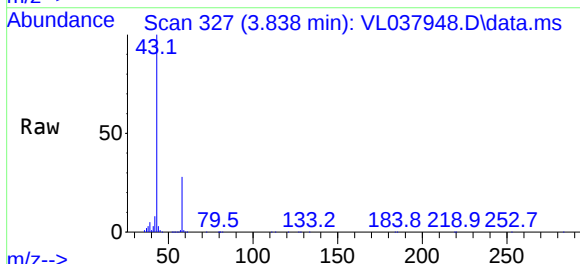
Tgt Ion: 45 Resp: 738046
Ion Ratio Lower Upper
45 100
46 37.4 17.4 69.8

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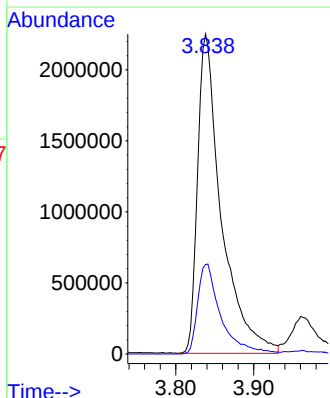
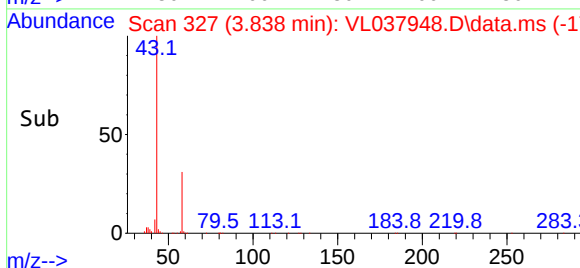
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Supervised By :Mahesh Dadoda 11/10/2021

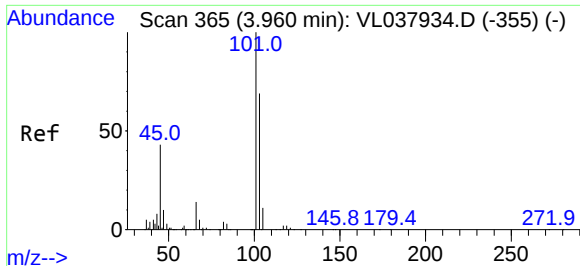


#15
Acetone
Concen: 40.123 ppbv
RT: 3.838 min Scan# 327
Delta R.T. -0.010 min
Lab File: VL037948.D
Acq: 1 Nov 2021 21:35



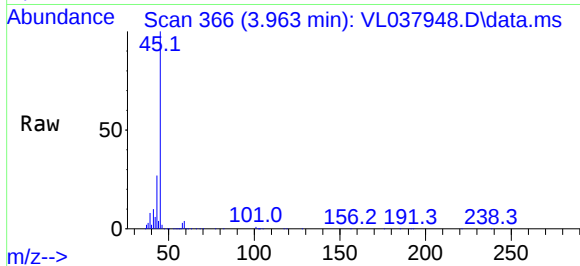
Tgt Ion: 43 Resp: 4754239
Ion Ratio Lower Upper
43 100
58 27.4 23.3 34.9





#19
Isopropyl Alcohol
Concen: 27.722 ppbv
RT: 3.963 min Scan# 30
Delta R.T. 0.003 min
Lab File: VL037948.D
Acq: 1 Nov 2021 21:35

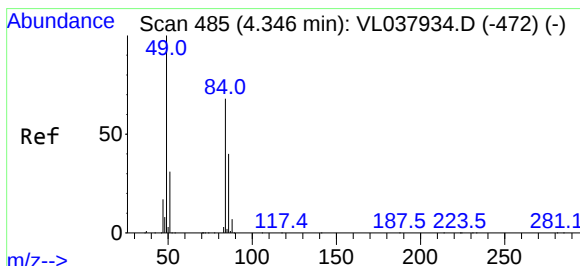
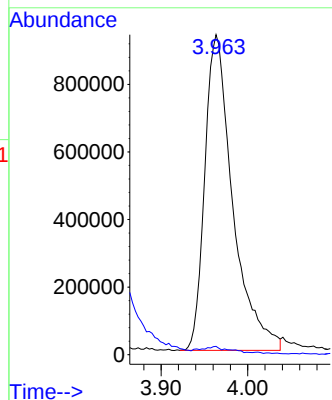
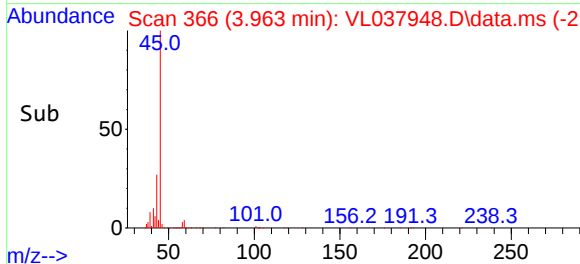
Instrument :
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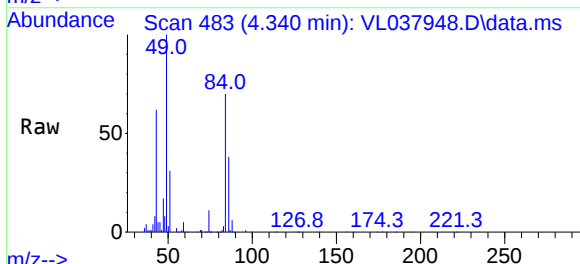
Tgt Ion: 45 Resp: 2100578
Ion Ratio Lower Upper
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58 2.7 4.0 6.0

Manual Integrations
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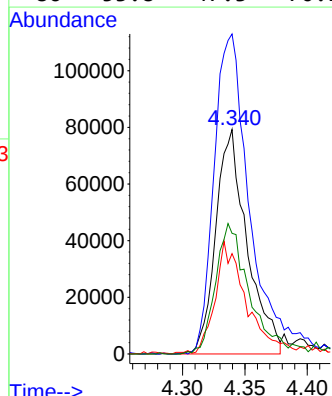
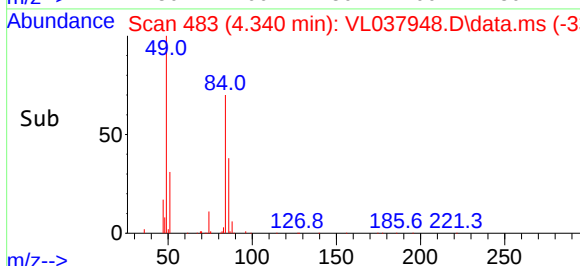
Reviewed By :Semsettin Yesilyurt 11/05/2021
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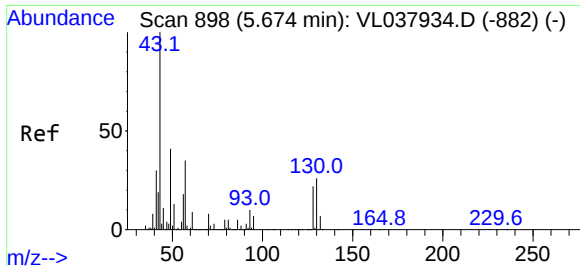


#20
Methylene Chloride
Concen: 2.134 ppbv
RT: 4.340 min Scan# 483
Delta R.T. -0.007 min
Lab File: VL037948.D
Acq: 1 Nov 2021 21:35



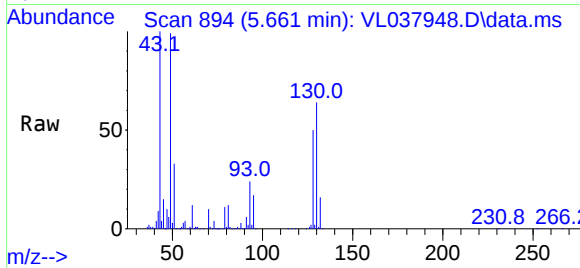
Tgt Ion: 84 Resp: 138850
Ion Ratio Lower Upper
84 100
49 142.2 117.5 176.3
51 44.0 35.9 53.9
86 53.8 47.3 70.9





#25
Ethyl Acetate
Concen: 3.707 ppbv
RT: 5.661 min Scan# 894
Delta R.T. -0.013 min
Lab File: VL037948.D
Acq: 1 Nov 2021 21:35

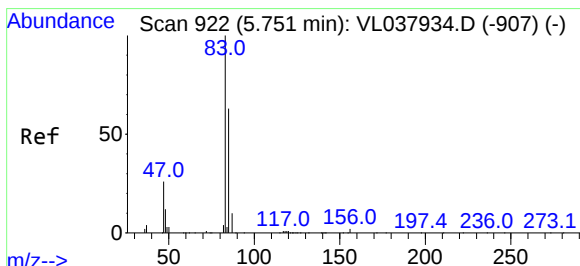
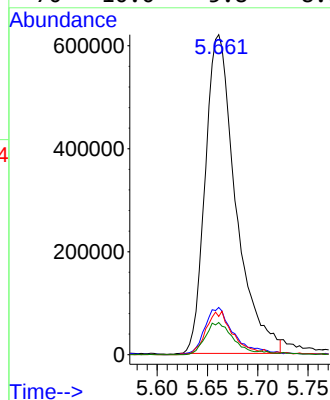
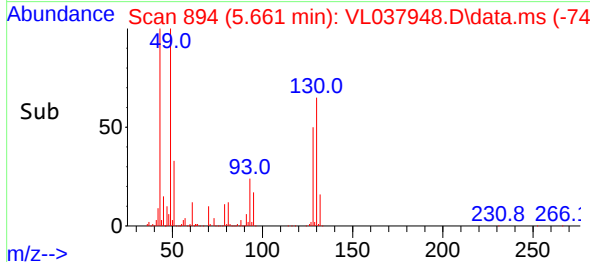
Instrument :
MSVOA_L
ClientSampleId :
IA2



Tgt Ion: 43 Resp: 1304480
Ion Ratio Lower Upper
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61 13.0 8.1 12.1
70 10.0 5.8 8.6

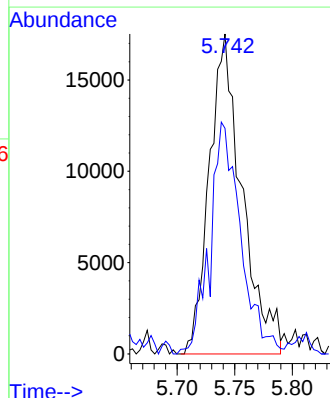
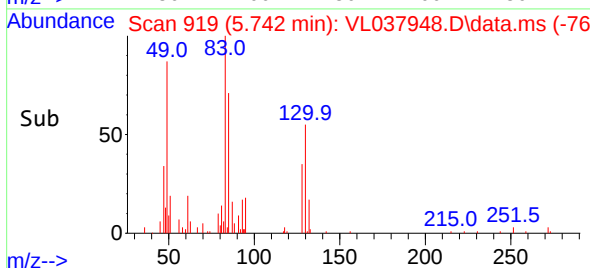
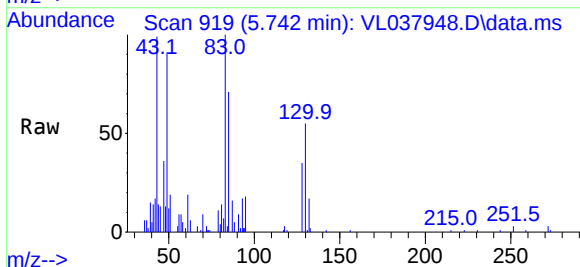
Manual Integrations
APPROVED

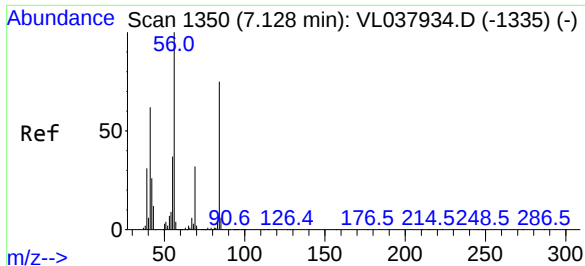
Reviewed By :Semsettin Yesilyurt 11/05/2021
Supervised By :Mahesh Dadoda 11/10/2021



#29
Chloroform
Concen: 0.139 ppbv m
RT: 5.742 min Scan# 919
Delta R.T. -0.010 min
Lab File: VL037948.D
Acq: 1 Nov 2021 21:35

Tgt Ion: 83 Resp: 34641
Ion Ratio Lower Upper
83 100
85 70.5 50.6 76.0





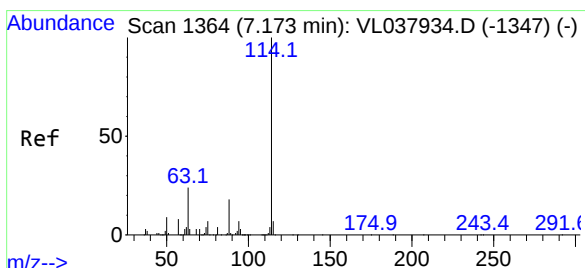
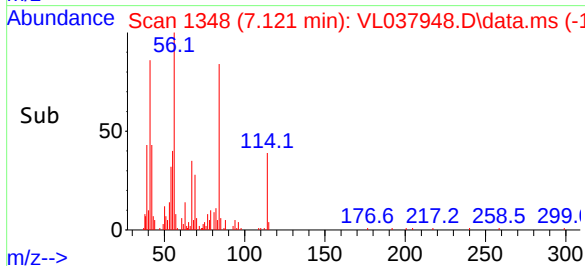
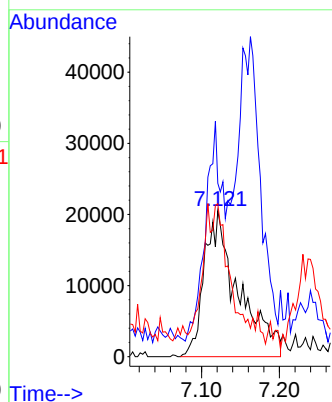
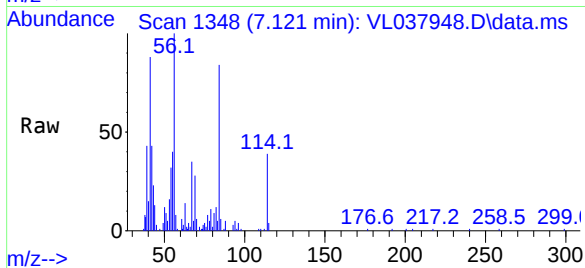
#30
Cyclohexane
Concen: 0.439 ppbv m
RT: 7.121 min Scan# 1348
Delta R.T. -0.007 min
Lab File: VL037948.D
Acq: 1 Nov 2021 21:35

Instrument :
MSVOA_L
ClientSampleId :
IA2

Tgt Ion: 84 Resp: 6255
Ion Ratio Lower Upper
84 100
56 72.4 114.0 171.0
41 0.0 68.3 102.5

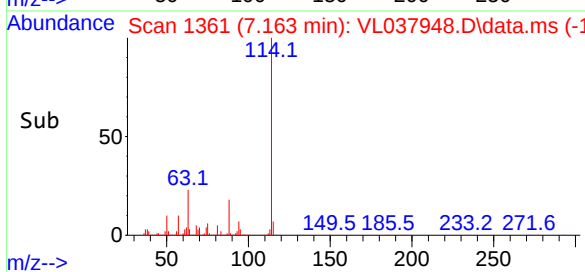
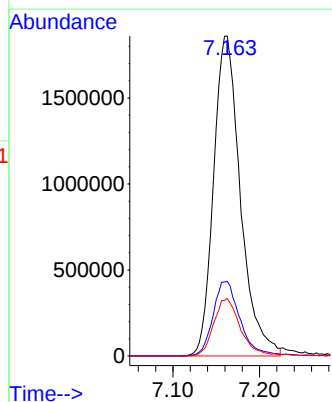
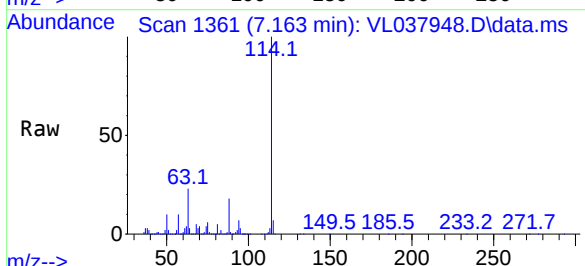
Manual Integrations
APPROVED

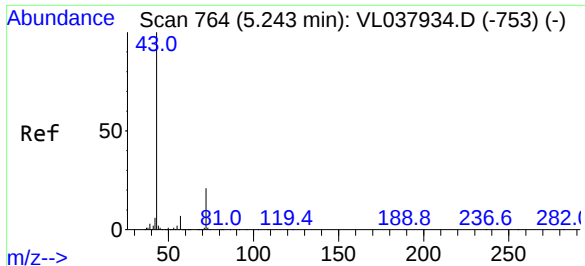
Reviewed By :Semsettin Yesilyurt 11/05/2021
Supervised By :Mahesh Dadoda 11/10/2021



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.163 min Scan# 1361
Delta R.T. -0.010 min
Lab File: VL037948.D
Acq: 1 Nov 2021 21:35

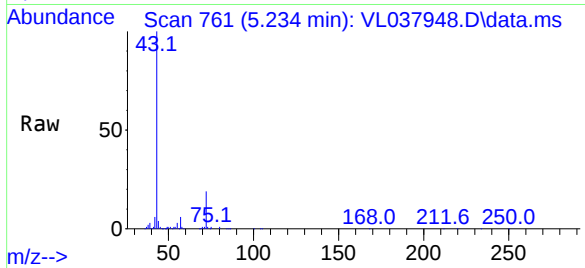
Tgt Ion:114 Resp: 4006613
Ion Ratio Lower Upper
114 100
63 23.8 19.4 29.0
88 17.9 14.2 21.4





#34
2-Butanone
Concen: 1.909 ppbv
RT: 5.234 min Scan# 70
Delta R.T. -0.010 min
Lab File: VL037948.D
Acq: 1 Nov 2021 21:35

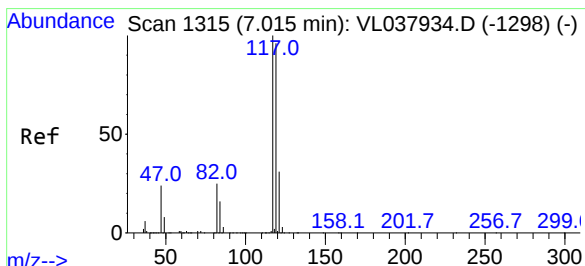
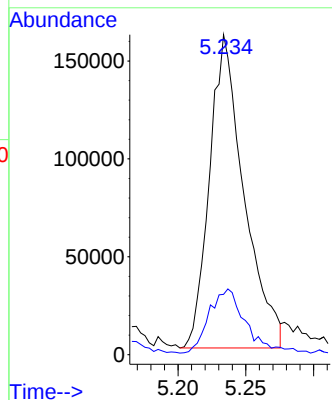
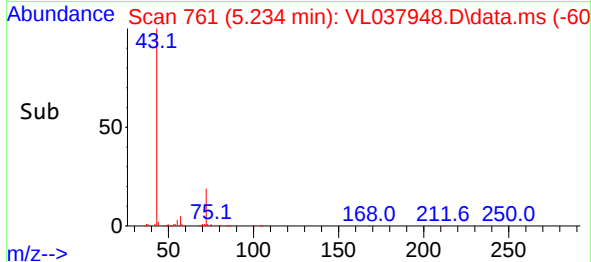
Instrument :
MSVOA_L
ClientSampleId :
IA2



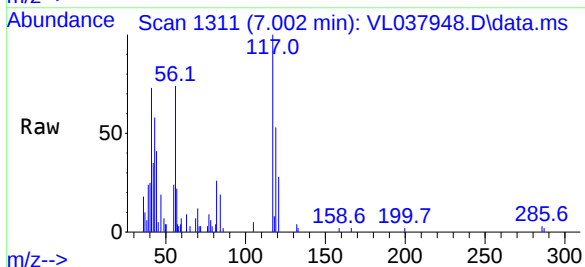
Tgt Ion: 43 Resp: 283474
Ion Ratio Lower Upper
43 100
72 24.2 18.3 27.5

Manual Integrations
APPROVED

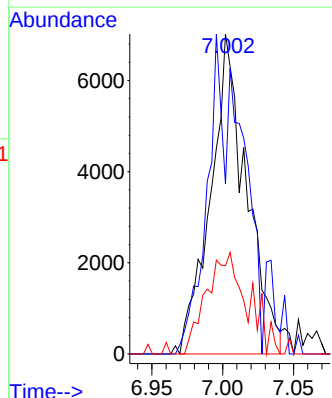
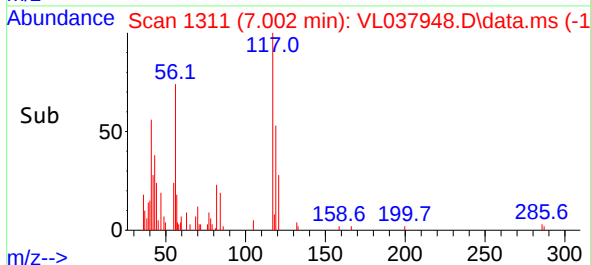
Reviewed By :Semsettin Yesilyurt 11/05/2021
Supervised By :Mahesh Dadoda 11/10/2021

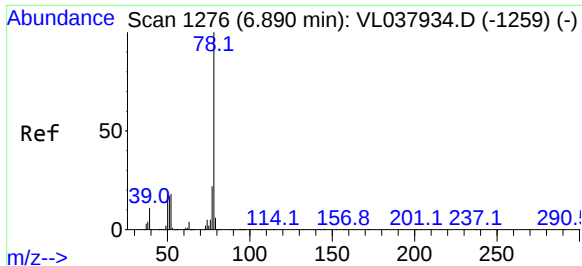


#35
Carbon Tetrachloride
Concen: 0.051 ppbv
RT: 7.002 min Scan# 1311
Delta R.T. -0.013 min
Lab File: VL037948.D
Acq: 1 Nov 2021 21:35



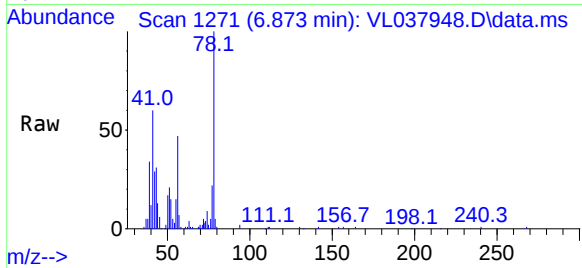
Tgt Ion:117 Resp: 12367
Ion Ratio Lower Upper
117 100
119 50.2 76.6 114.8#
121 27.6 25.1 37.7





#36
Benzene
Concen: 0.254 ppbv
RT: 6.873 min Scan# 11
Delta R.T. -0.016 min
Lab File: VL037948.D
Acq: 1 Nov 2021 21:35

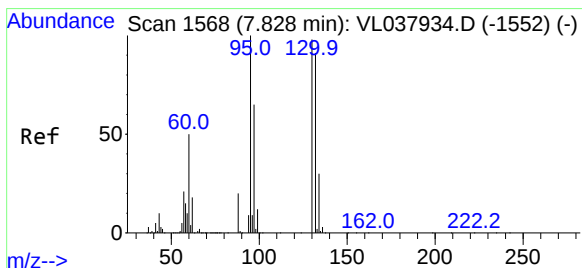
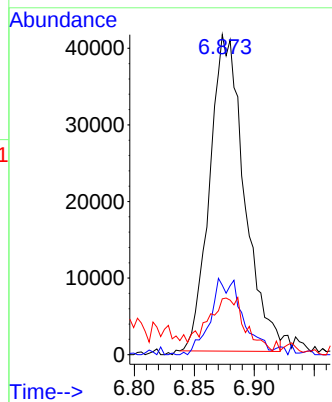
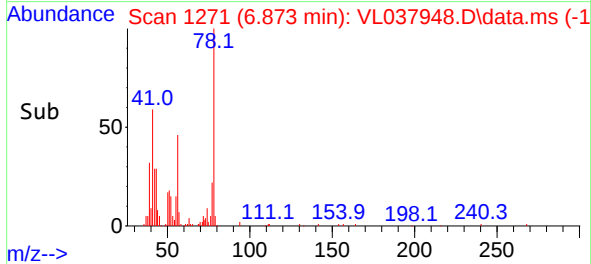
Instrument :
MSVOA_L
ClientSampleId :
IA2



Tgt Ion: 78 Resp: 83000
Ion Ratio Lower Upper
78 100
77 22.0 17.9 26.9
50 16.3 14.4 21.6

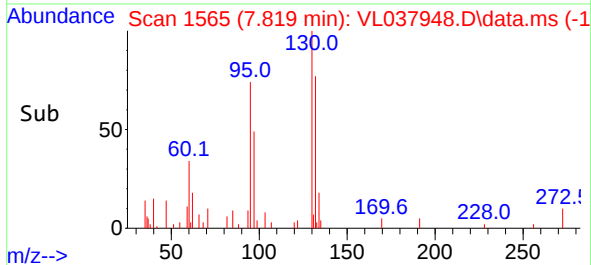
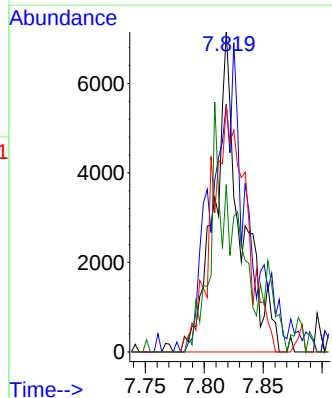
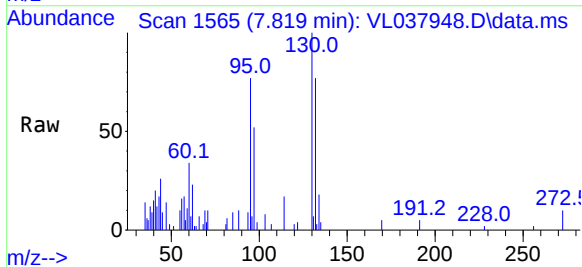
Manual Integrations
APPROVED

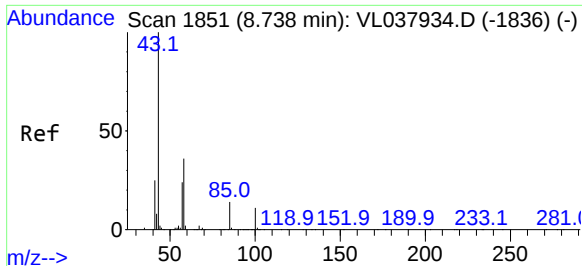
Reviewed By :Semsettin Yesilyurt 11/05/2021
Supervised By :Mahesh Dadoda 11/10/2021



#38
Trichloroethene
Concen: 0.082 ppbv m
RT: 7.819 min Scan# 1565
Delta R.T. -0.010 min
Lab File: VL037948.D
Acq: 1 Nov 2021 21:35

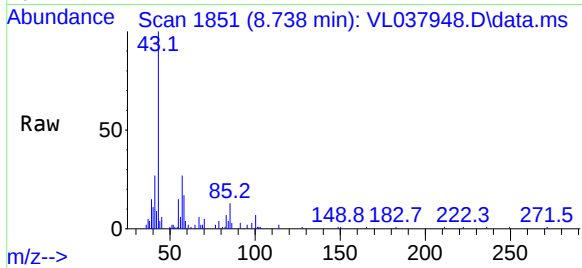
Tgt Ion:130 Resp: 11111
Ion Ratio Lower Upper
130 100
95 77.4 81.8 122.8#
132 77.1 74.2 111.2
97 52.3 53.4 80.2#





#50
4-Methyl-2-Pentanone
Concen: 0.286 ppbv m
RT: 8.738 min Scan# 1851
Delta R.T. -0.000 min
Lab File: VL037948.D
Acq: 1 Nov 2021 21:35

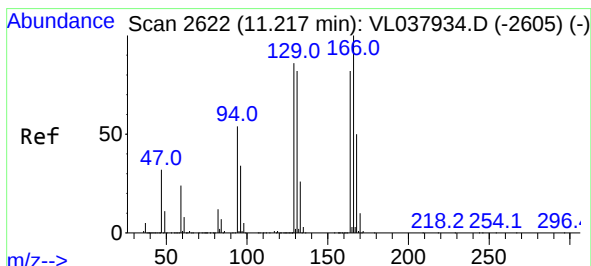
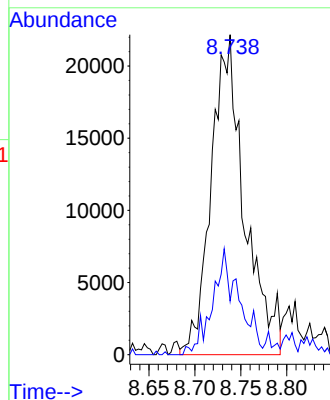
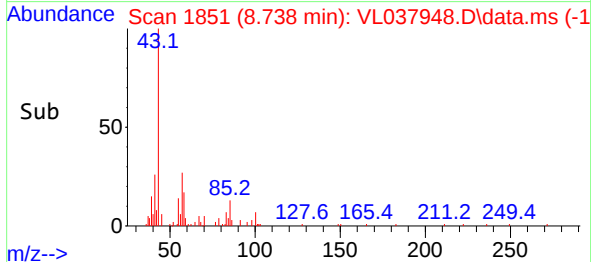
Instrument : MSVOA_L
ClientSampleId : 1A2



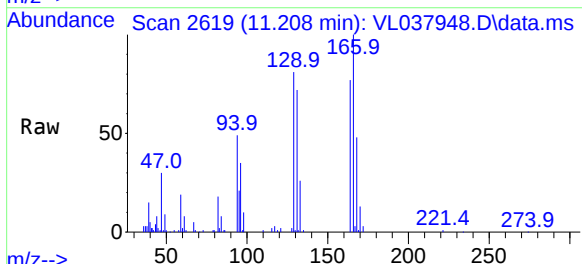
Tgt Ion: 43 Resp: 5575
Ion Ratio Lower Upper
43 100
58 27.8 28.8 43.2

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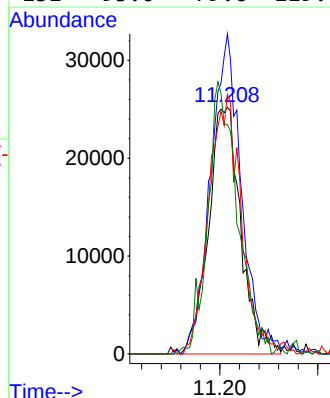
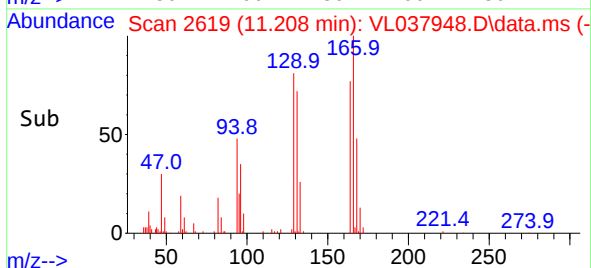
Reviewed By :Semsettin Yesilyurt 11/05/2021
Supervised By :Mahesh Dadoda 11/10/2021

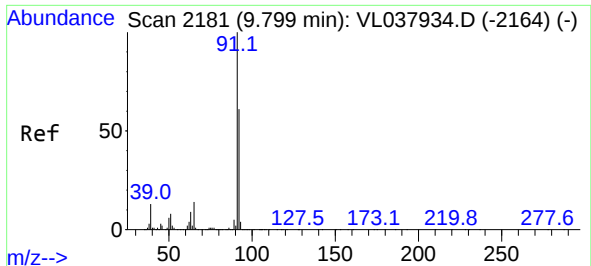


#52
Tetrachloroethene
Concen: 0.466 ppbv m
RT: 11.208 min Scan# 2619
Delta R.T. -0.010 min
Lab File: VL037948.D
Acq: 1 Nov 2021 21:35



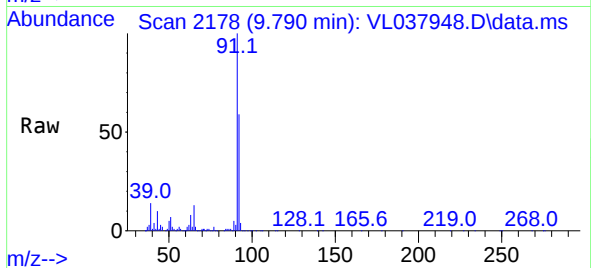
Tgt Ion:164 Resp: 57685
Ion Ratio Lower Upper
164 100
166 129.7 97.6 146.4
129 105.2 84.2 126.2
131 93.0 79.6 119.4





#53
Toluene
Concen: 2.051 ppbv
RT: 9.790 min Scan# 2181
Delta R.T. -0.010 min
Lab File: VL037948.D
Acq: 1 Nov 2021 21:35

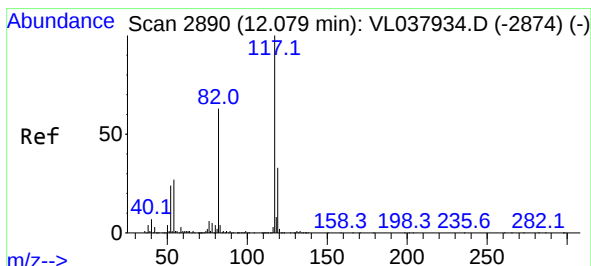
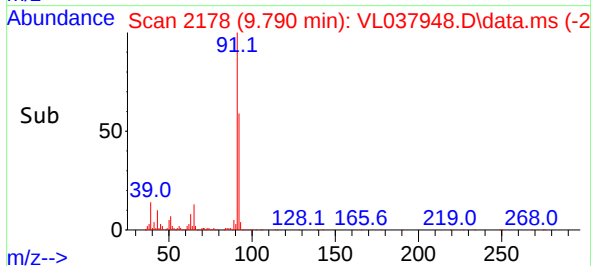
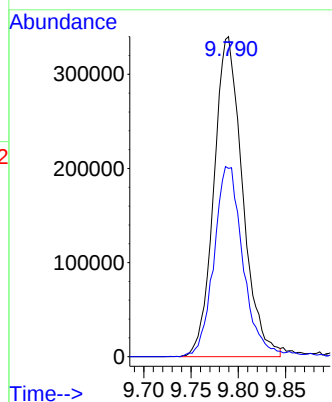
Instrument :
MSVOA_L
ClientSampleId :
IA2



Tgt Ion: 91 Resp: 717299
Ion Ratio Lower Upper
91 100
92 61.6 48.2 72.4

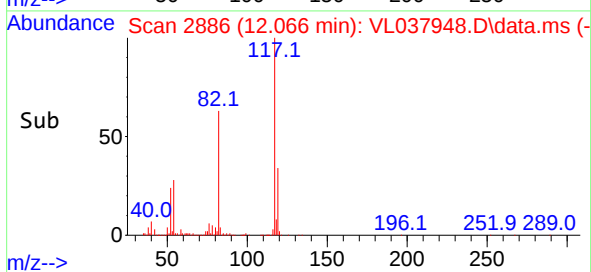
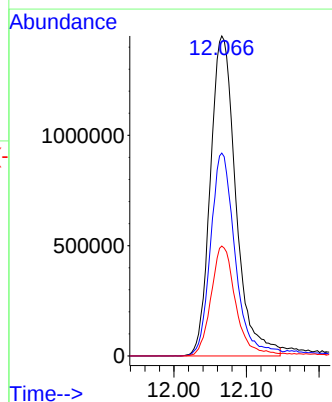
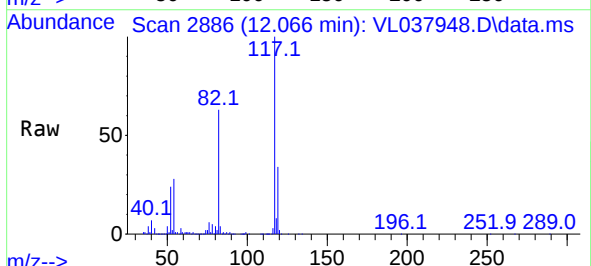
Manual Integrations
APPROVED

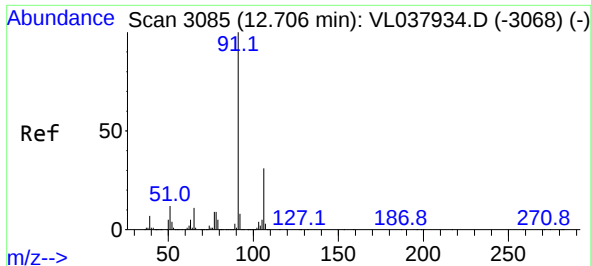
Reviewed By :Semsettin Yesilyurt 11/05/2021
Supervised By :Mahesh Dadoda 11/10/2021



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.066 min Scan# 2886
Delta R.T. -0.013 min
Lab File: VL037948.D
Acq: 1 Nov 2021 21:35

Tgt Ion:117 Resp: 3544842
Ion Ratio Lower Upper
117 100
82 63.3 51.0 76.6
119 34.6 26.9 40.3





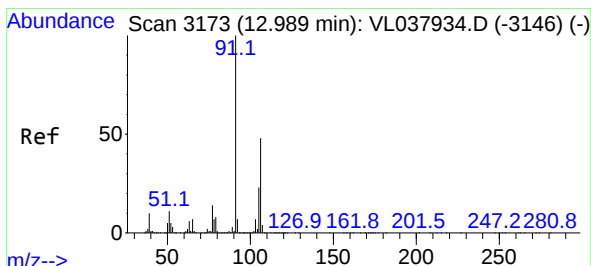
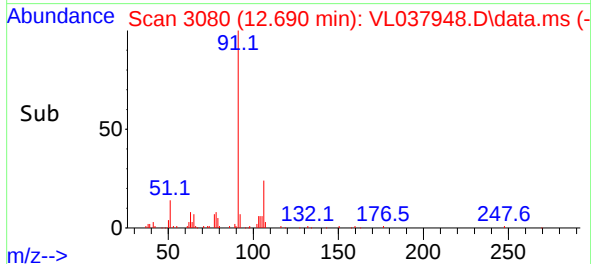
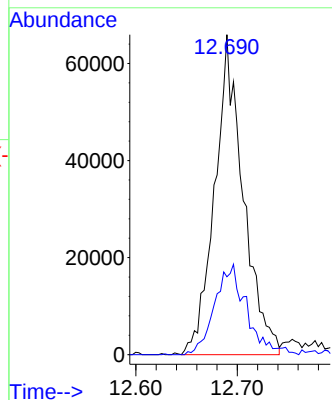
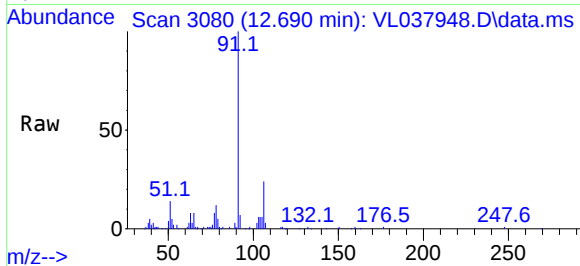
#58
Ethyl Benzene
Concen: 0.298 ppbv m
RT: 12.690 min Scan# 3085
Delta R.T. -0.016 min
Lab File: VL037948.D
Acq: 1 Nov 2021 21:35

Instrument :
MSVOA_L
ClientSampleId :
IA2

Tgt Ion: 91 Resp: 128974
Ion Ratio Lower Upper
91 100
106 24.4 25.1 37.7

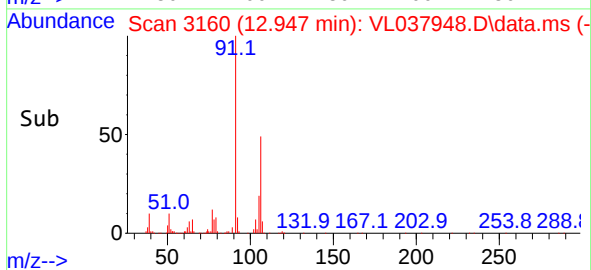
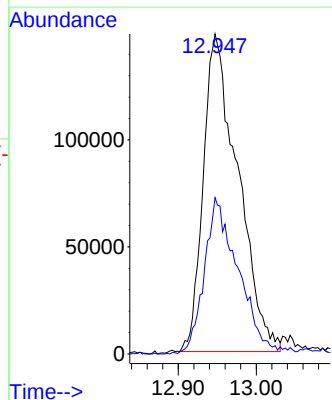
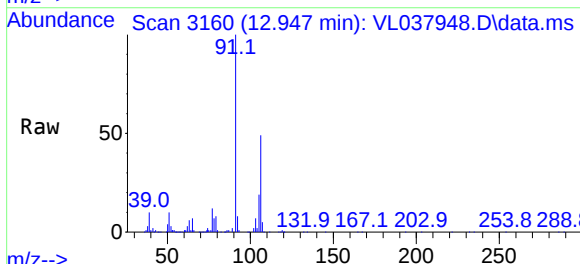
Manual Integrations
APPROVED

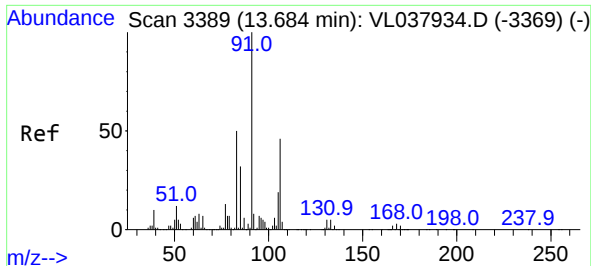
Reviewed By :Semsettin Yesilyurt 11/05/2021
Supervised By :Mahesh Dadoda 11/10/2021



#59
m/p-Xylene
Concen: 1.187 ppbv
RT: 12.947 min Scan# 3160
Delta R.T. -0.042 min
Lab File: VL037948.D
Acq: 1 Nov 2021 21:35

Tgt Ion: 91 Resp: 457378
Ion Ratio Lower Upper
91 100
106 49.4 37.1 55.7





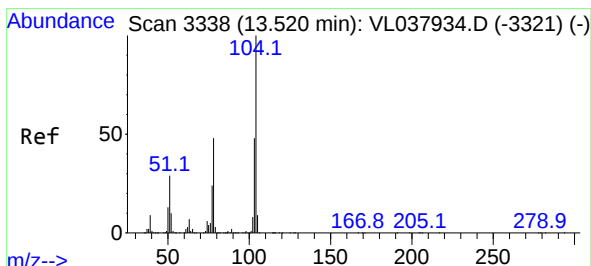
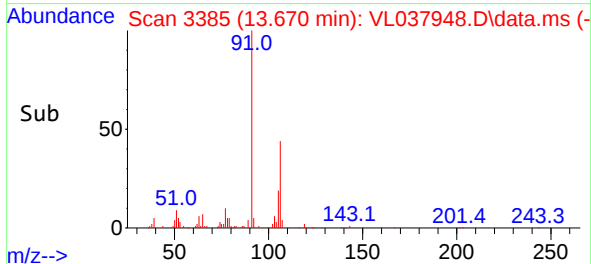
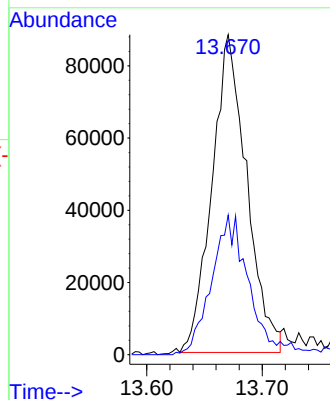
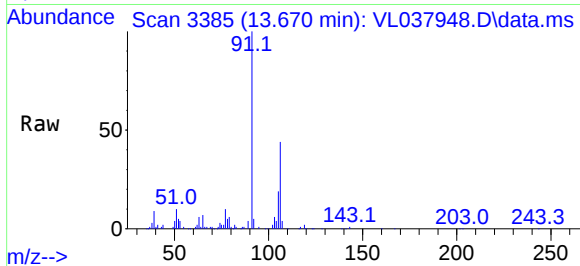
#60
o-Xylene
Concen: 0.508 ppbv
RT: 13.670 min Scan# 31
Delta R.T. -0.013 min
Lab File: VL037948.D
Acq: 1 Nov 2021 21:35

Instrument :
MSVOA_L
ClientSampleId :
IA2

Tgt Ion: 91 Resp: 184409
Ion Ratio Lower Upper
91 100
106 46.9 23.5 70.6

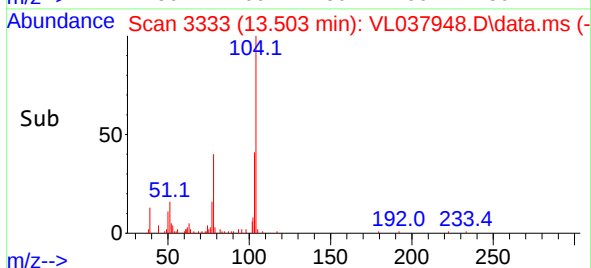
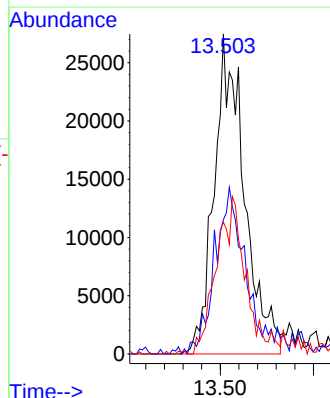
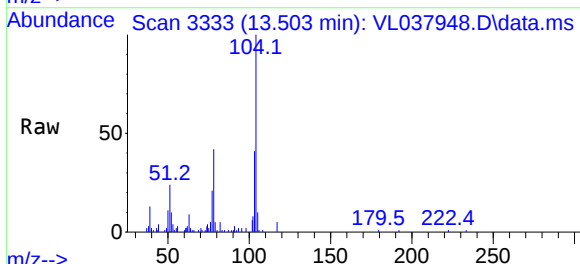
Manual Integrations
APPROVED

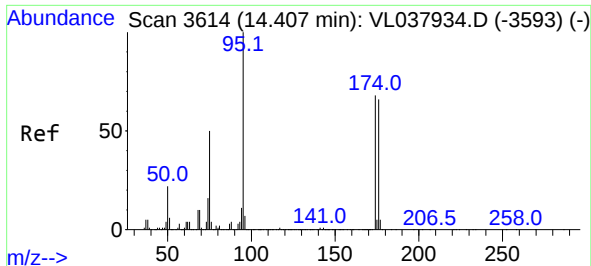
Reviewed By :Semsettin Yesilyurt 11/05/2021
Supervised By :Mahesh Dadoda 11/10/2021



#61
Styrene
Concen: 0.370 ppbv m
RT: 13.503 min Scan# 3333
Delta R.T. -0.016 min
Lab File: VL037948.D
Acq: 1 Nov 2021 21:35

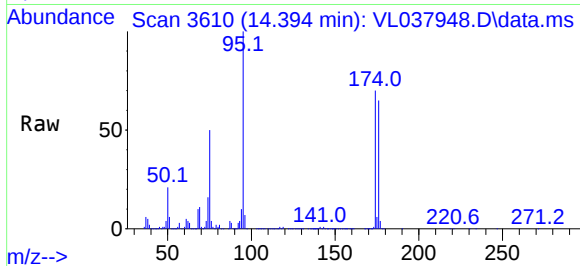
Tgt Ion:104 Resp: 61675
Ion Ratio Lower Upper
104 100
78 0.0 39.3 58.9#
103 0.0 39.6 59.4#





#68
1-Bromo-4-Fluorobenzene
Concen: 9.644 ppbv
RT: 14.394 min Scan# 3610
Delta R.T. -0.013 min
Lab File: VL037948.D
Acq: 1 Nov 2021 21:35

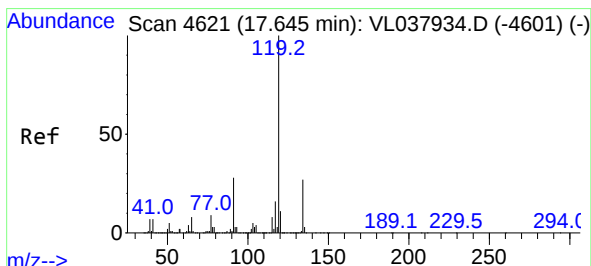
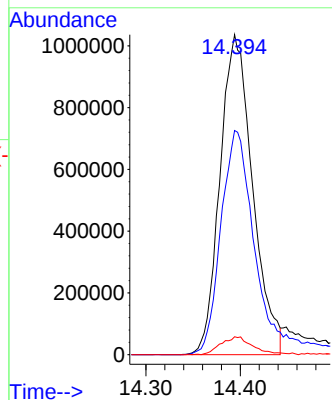
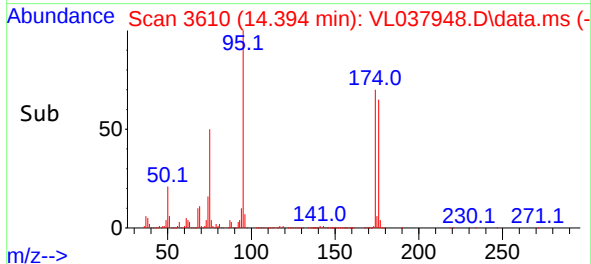
Instrument :
MSVOA_L
ClientSampleId :
IA2



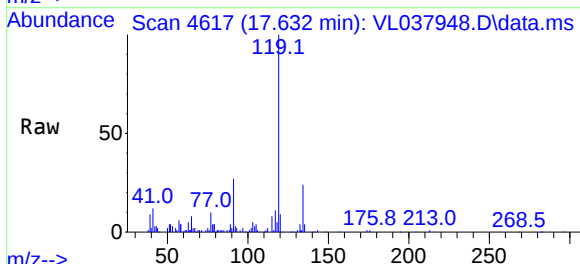
Tgt Ion: 95 Resp: 2484954
Ion Ratio Lower Upper
95 100
174 78.1 58.3 87.5
175 5.6 4.6 6.8

Manual Integrations
APPROVED

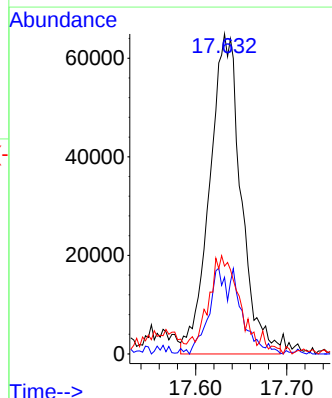
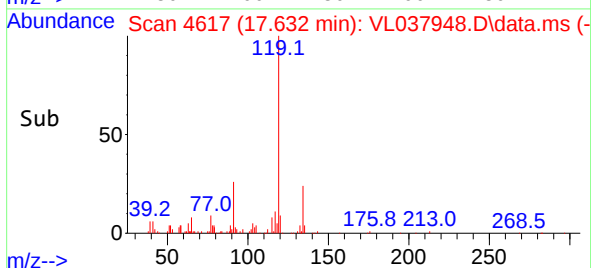
Reviewed By :Semsettin Yesilyurt 11/05/2021
Supervised By :Mahesh Dadoda 11/10/2021

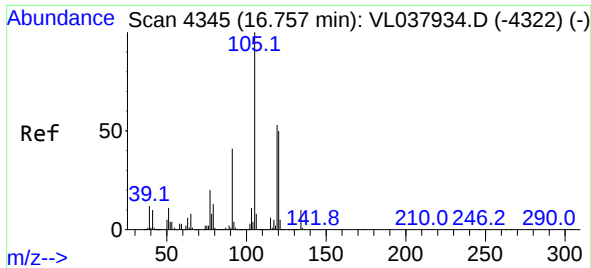


#69
p-Isopropyltoluene
Concen: 0.310 ppbv m
RT: 17.632 min Scan# 4617
Delta R.T. -0.013 min
Lab File: VL037948.D
Acq: 1 Nov 2021 21:35



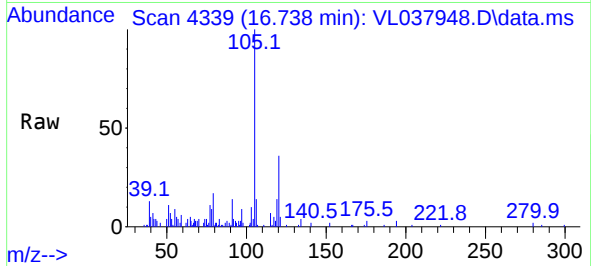
Tgt Ion:119 Resp: 155598
Ion Ratio Lower Upper
119 100
134 25.7 21.0 31.4
91 32.2 21.8 32.8





#74
 1,2,4-Trimethylbenzene
 Concen: 0.171 ppbv m
 RT: 16.738 min Scan# 4339
 Delta R.T. -0.020 min
 Lab File: VL037948.D
 Acq: 1 Nov 2021 21:35

Instrument :
 MSVOA_L
 ClientSampleId :
 IA2



Tgt Ion:105 Resp: 69684

Ion	Ratio	Lower	Upper
105	100		
120	36.4	40.0	60.0
91	13.8	32.6	49.0
77	11.2	15.8	23.8

Manual Integrations
 APPROVED

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

