

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110121\
 Data File : VL037956.D
 Acq On : 2 Nov 2021 2:51
 Operator : SY/AP
 Sample : M4425-03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1

Manual Integrations
 APPROVED

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

Quant Time: Nov 02 06:09:30 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 06:09:30 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	1387374	10.000	ppbv	0.00
33) 1,4-Difluorobenzene		7.163	114	3899180	10.000	ppbv	0.00
55) Chlorobenzene-d5		12.069	117	3289663	10.000	ppbv	0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene		14.397	95	2393116	10.008	ppbv	0.00
Spiked Amount		10.000	Range 65 - 135		Recovery	= 100.100%	
Target Compounds							Qvalue
2) Dichlorodifluoromethane		3.050	85	55218	0.282	ppbv	93
3) Chlorodifluoromethane		2.986	51	66314m	0.257	ppbv	
4) Chloromethane		3.137	50	89379	0.911	ppbv	96
9) Propene		3.021	41	79614m	0.860	ppbv	
10) Heptane		8.105	43	29677m	0.138	ppbv	
11) Trichlorofluoromethane		3.947	101	41240m	0.212	ppbv	
13) Ethanol		3.597	45	457351	48.957	ppbv	88
15) Acetone		3.841	43	1062434	9.267	ppbv	99
19) Isopropyl Alcohol		3.964	45	321581	4.386	ppbv #	1
20) Methylene Chloride		4.336	84	441887	7.021	ppbv	95
26) Hexane		5.674	57	266768	1.654	ppbv #	51
29) Chloroform		5.738	83	54104m	0.225	ppbv	
30) Cyclohexane		7.118	84	20421m	0.148	ppbv	
34) 2-Butanone		5.243	43	107350m	0.743	ppbv	
35) Carbon Tetrachloride		7.005	117	14193m	0.060	ppbv	
36) Benzene		6.880	78	50942m	0.160	ppbv	
52) Tetrachloroethene		11.198	164	10333m	0.086	ppbv	
53) Toluene		9.786	91	111823	0.328	ppbv	98
59) m/p-Xylene		12.947	91	118360m	0.331	ppbv	
60) o-Xylene		13.677	91	54702m	0.162	ppbv	

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

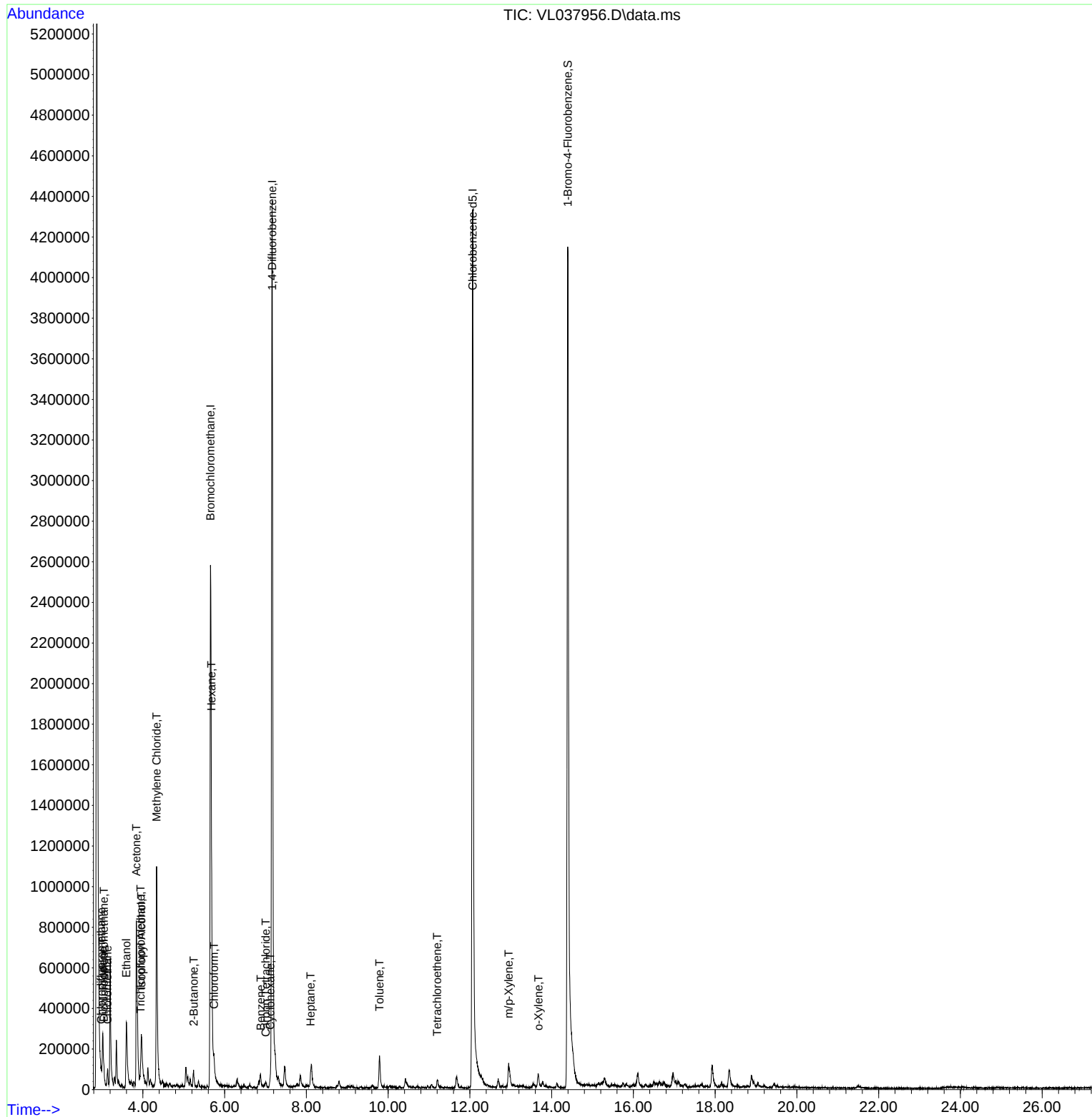
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110121\
Data File : VL037956.D
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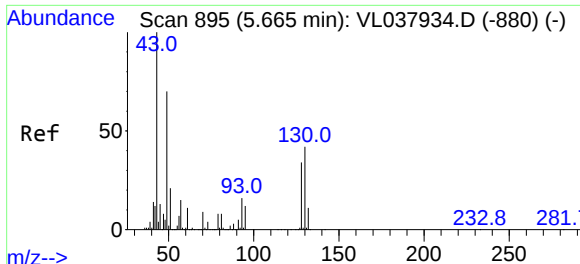
Instrument :
MSVOA_L
ClientSampleId :
OA1

Quant Time: Nov 02 06:09:30 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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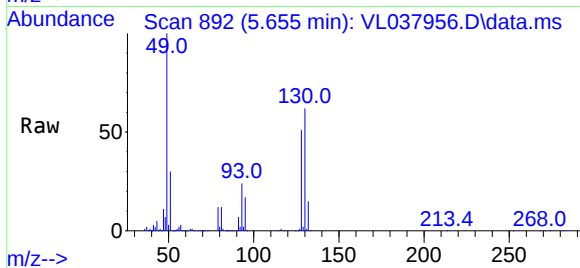
Reviewed By : Semsettin Yesilyurt 11/05/2021
Supervised By : Mahesh Dadoda 11/10/2021





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.655 min Scan# 895
Delta R.T. -0.010 min
Lab File: VL037956.D
Acq: 2 Nov 2021 2:51

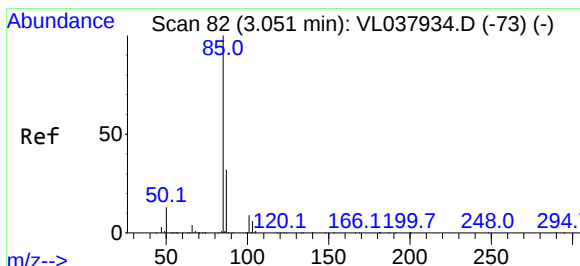
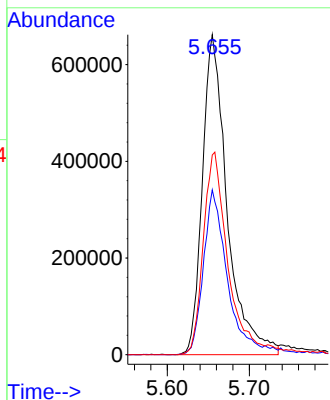
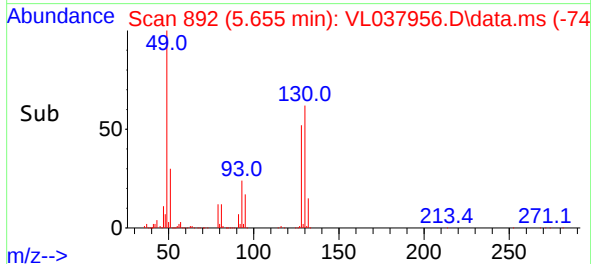
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion: 49 Resp: 1387374
Ion Ratio Lower Upper
49 100
128 52.0 27.0 81.0
130 65.3 33.4 100.2

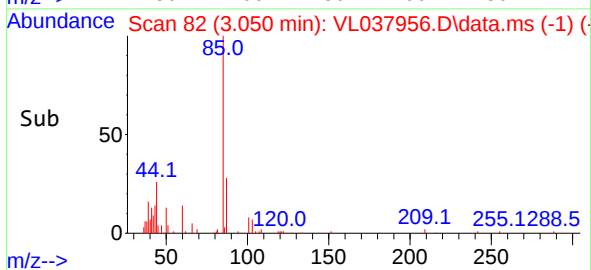
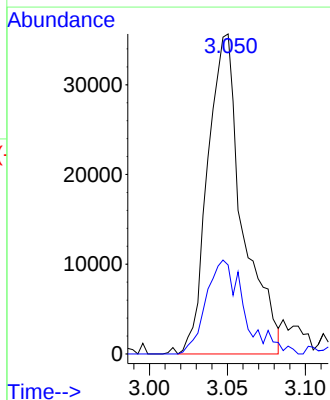
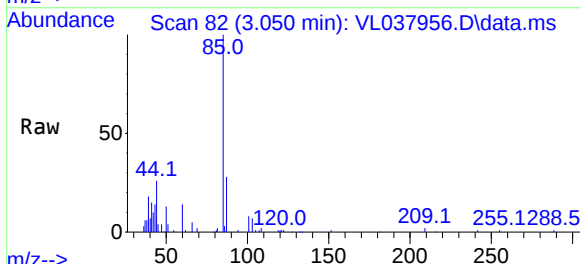
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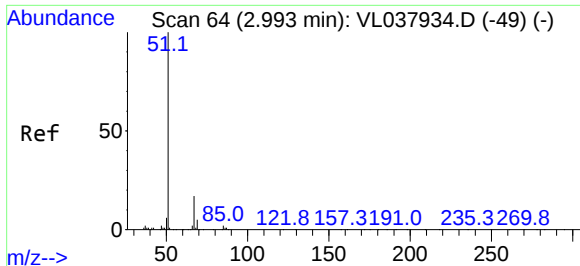
Reviewed By :Semsettin Yesilyurt 11/05/2021
Supervised By :Mahesh Dadoda 11/10/2021



#2
Dichlorodifluoromethane
Concen: 0.282 ppbv
RT: 3.050 min Scan# 82
Delta R.T. -0.000 min
Lab File: VL037956.D
Acq: 2 Nov 2021 2:51

Tgt Ion: 85 Resp: 55218
Ion Ratio Lower Upper
85 100
87 27.8 25.3 37.9





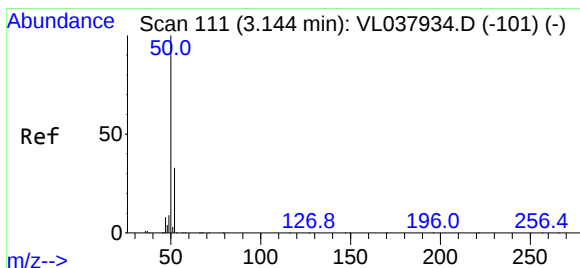
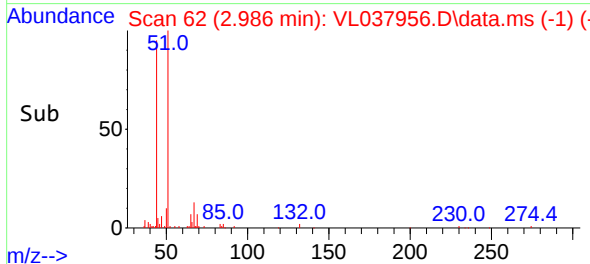
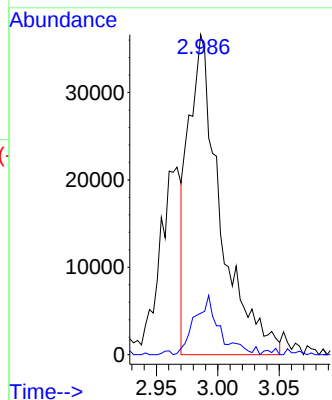
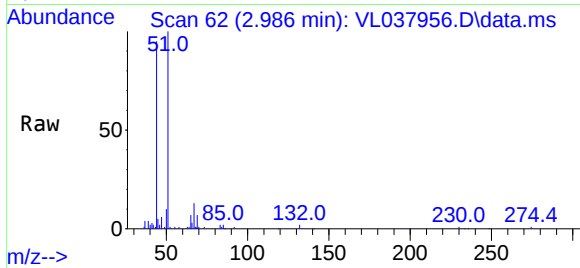
#3
Chlorodifluoromethane
Concen: 0.257 ppbv m
RT: 2.986 min Scan# 61
Delta R.T. -0.007 min
Lab File: VL037956.D
Acq: 2 Nov 2021 2:51

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 51 Resp: 66314
Ion Ratio Lower Upper
51 100
67 15.7 13.4 20.0

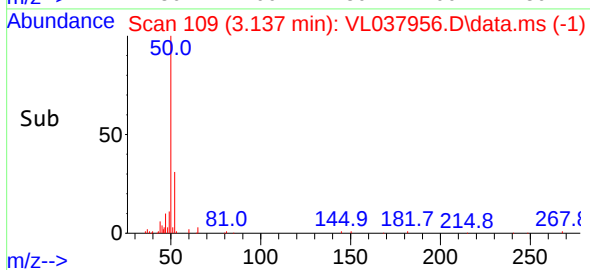
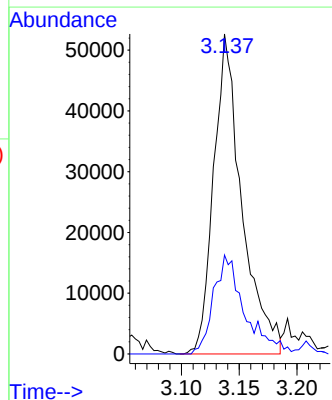
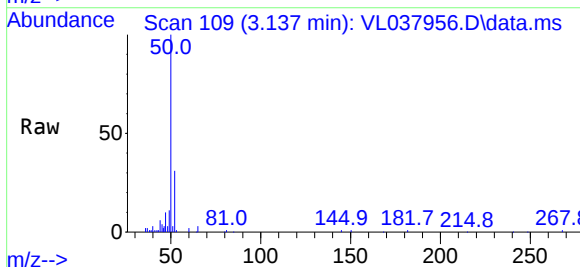
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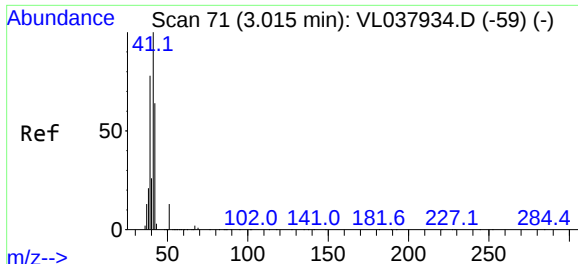
Reviewed By :Semsettin Yesilyurt 11/05/2021
Supervised By :Mahesh Dadoda 11/10/2021



#4
Chloromethane
Concen: 0.911 ppbv
RT: 3.137 min Scan# 109
Delta R.T. -0.007 min
Lab File: VL037956.D
Acq: 2 Nov 2021 2:51

Tgt Ion: 50 Resp: 89379
Ion Ratio Lower Upper
50 100
52 30.9 26.3 39.5





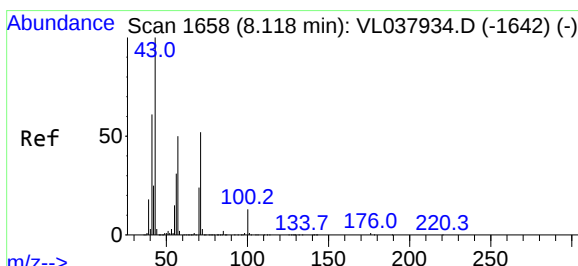
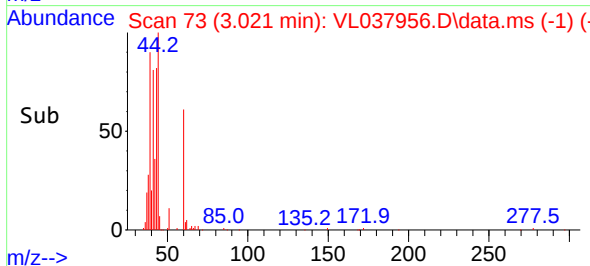
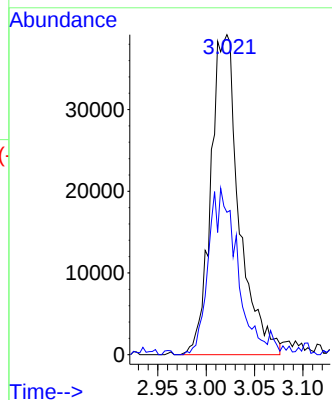
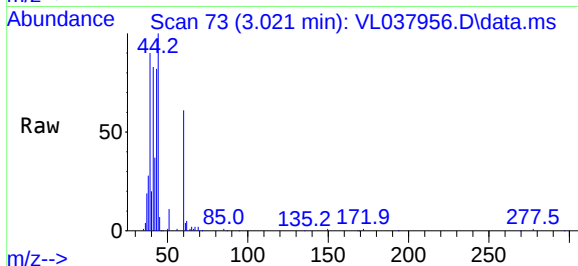
#9
Propene
Concen: 0.860 ppbv m
RT: 3.021 min Scan# 71
Delta R.T. 0.006 min
Lab File: VL037956.D
Acq: 2 Nov 2021 2:51

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 41 Resp: 79614
Ion Ratio Lower Upper
41 100
42 56.4 57.6 86.4

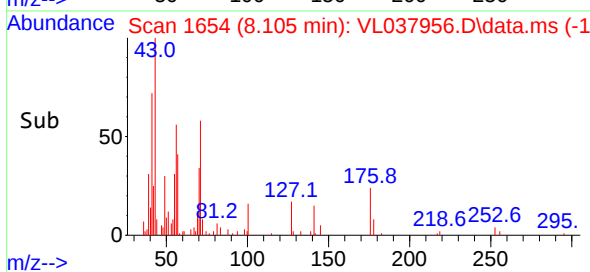
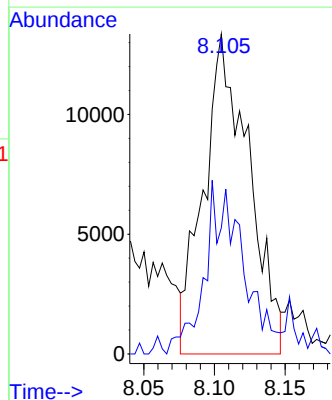
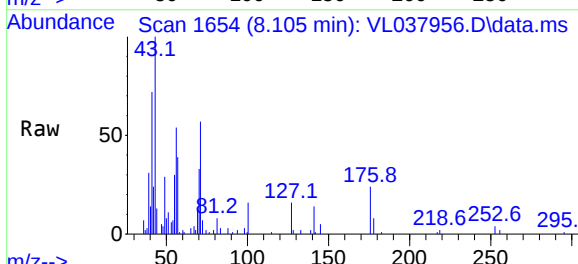
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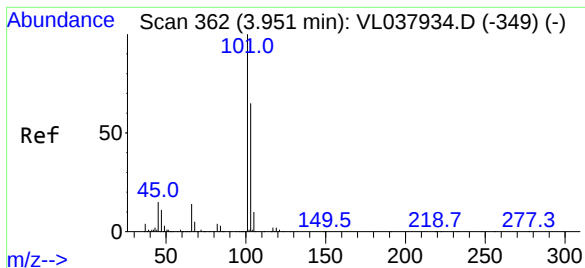
Reviewed By :Semsettin Yesilyurt 11/05/2021
Supervised By :Mahesh Dadoda 11/10/2021



#10
Heptane
Concen: 0.138 ppbv m
RT: 8.105 min Scan# 1654
Delta R.T. -0.013 min
Lab File: VL037956.D
Acq: 2 Nov 2021 2:51

Tgt Ion: 43 Resp: 29677
Ion Ratio Lower Upper
43 100
57 0.0 39.8 59.8





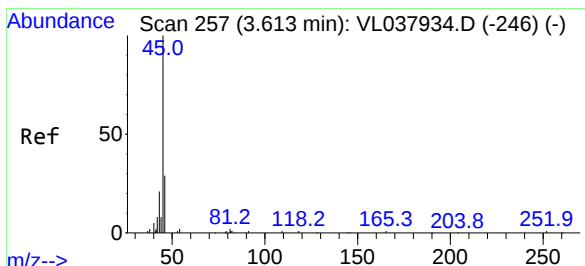
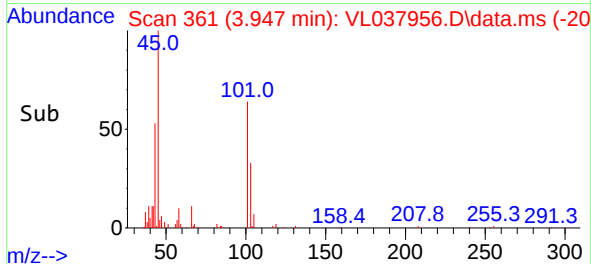
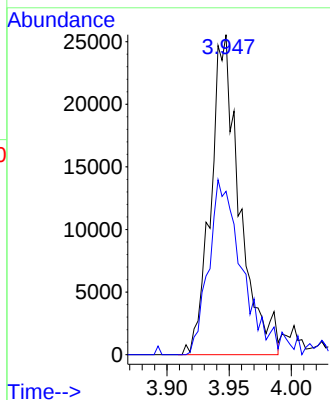
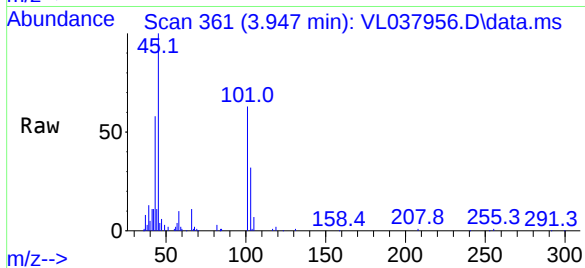
#11
Trichlorofluoromethane
Concen: 0.212 ppbv m
RT: 3.947 min Scan# 30
Delta R.T. -0.003 min
Lab File: VL037956.D
Acq: 2 Nov 2021 2:51

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion:101 Resp: 41240
Ion Ratio Lower Upper
101 100
103 51.1 52.0 78.0

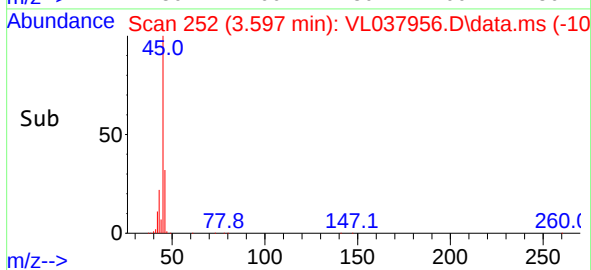
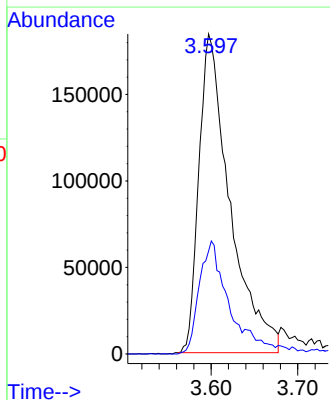
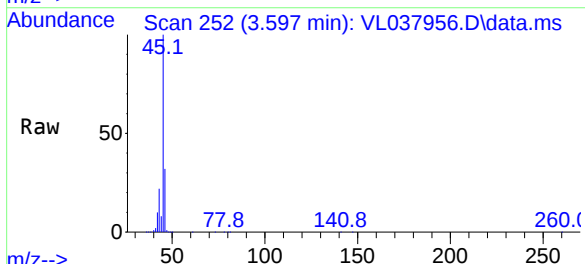
Manual Integrations
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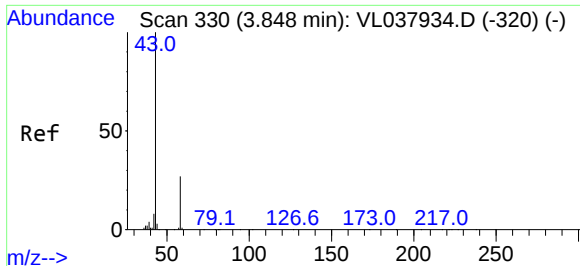
Reviewed By :Semsettin Yesilyurt 11/05/2021
Supervised By :Mahesh Dadoda 11/10/2021



#13
Ethanol
Concen: 48.957 ppbv
RT: 3.597 min Scan# 252
Delta R.T. -0.016 min
Lab File: VL037956.D
Acq: 2 Nov 2021 2:51

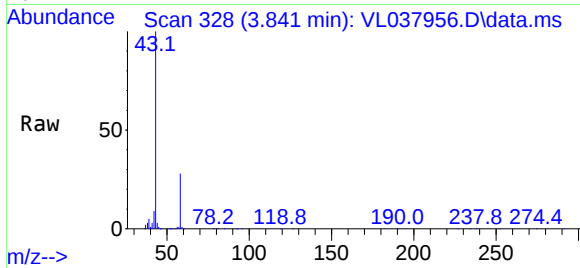
Tgt Ion: 45 Resp: 457351
Ion Ratio Lower Upper
45 100
46 36.0 17.4 69.8





#15
Acetone
Concen: 9.267 ppbv
RT: 3.841 min Scan# 31
Delta R.T. -0.007 min
Lab File: VL037956.D
Acq: 2 Nov 2021 2:51

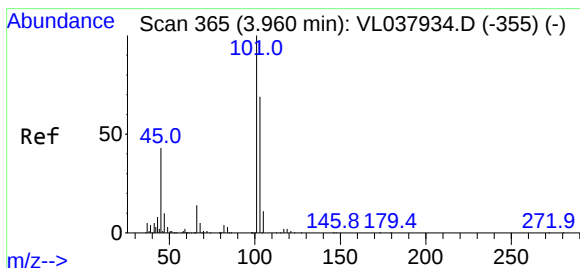
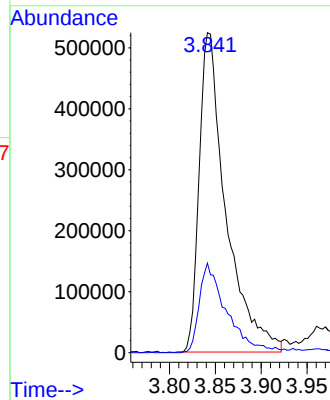
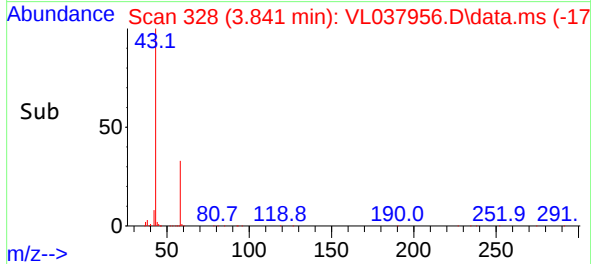
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion: 43 Resp: 1062434
Ion Ratio Lower Upper
43 100
58 28.7 23.3 34.9

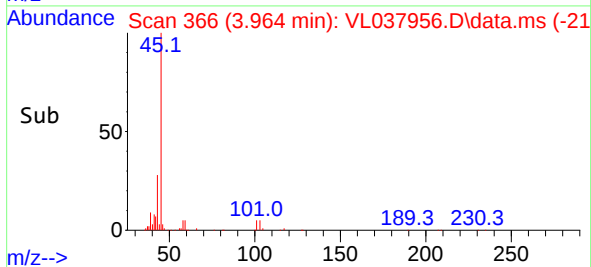
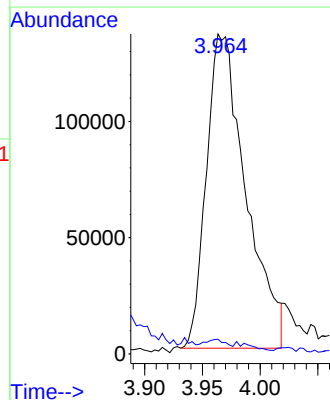
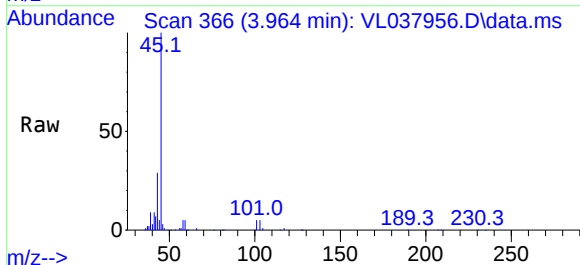
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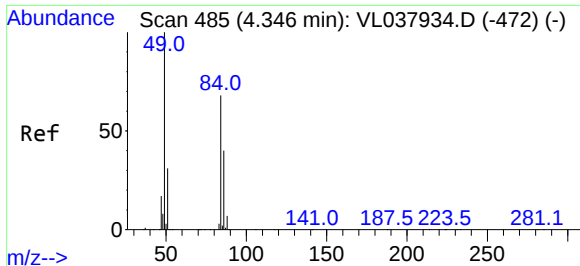
Reviewed By :Semsettin Yesilyurt 11/05/2021
Supervised By :Mahesh Dadoda 11/10/2021



#19
Isopropyl Alcohol
Concen: 4.386 ppbv
RT: 3.964 min Scan# 366
Delta R.T. 0.003 min
Lab File: VL037956.D
Acq: 2 Nov 2021 2:51

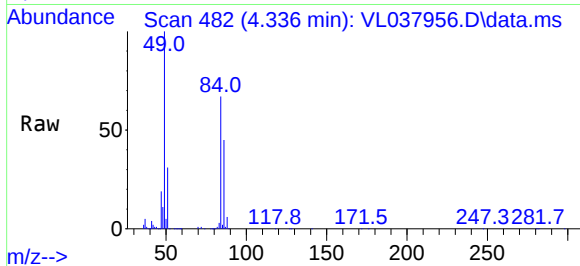
Tgt Ion: 45 Resp: 321581
Ion Ratio Lower Upper
45 100
58 96.2 4.0 6.0#





#20
Methylene Chloride
Concen: 7.021 ppbv
RT: 4.336 min Scan# 41
Delta R.T. -0.010 min
Lab File: VL037956.D
Acq: 2 Nov 2021 2:51

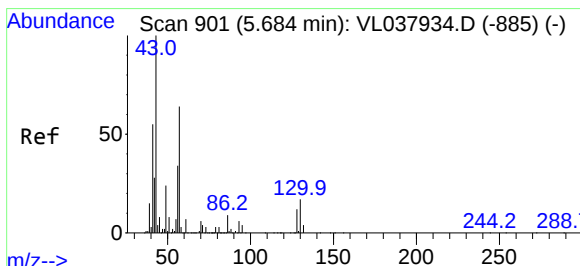
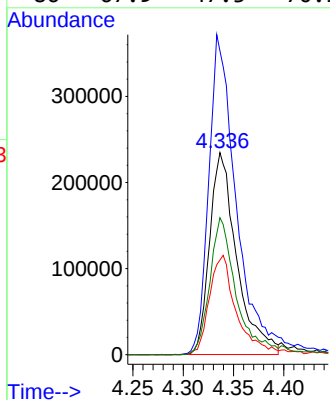
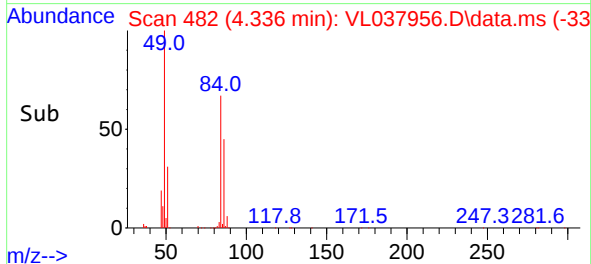
Instrument :
MSVOA_L
ClientSampleId :
OA1



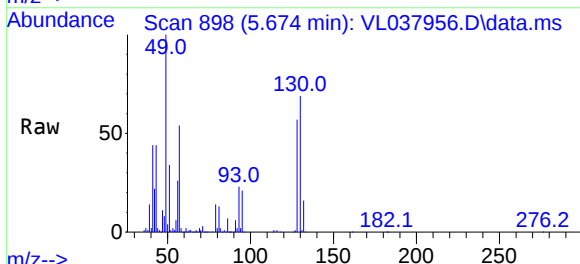
Tgt Ion: 84 Resp: 44188
Ion Ratio Lower Upper
84 100
49 150.4 117.5 176.3
51 46.9 35.9 53.9
86 67.9 47.3 70.9

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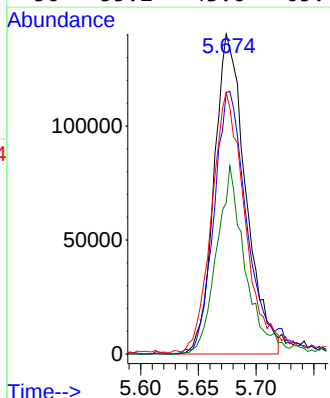
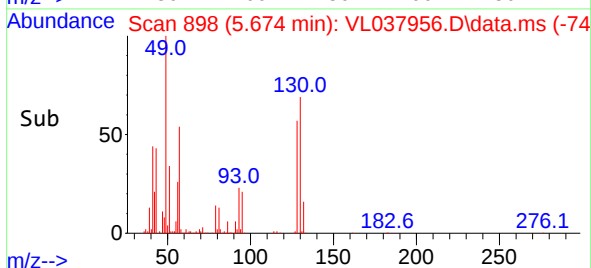
Reviewed By :Semsettin Yesilyurt 11/05/2021
Supervised By :Mahesh Dadoda 11/10/2021

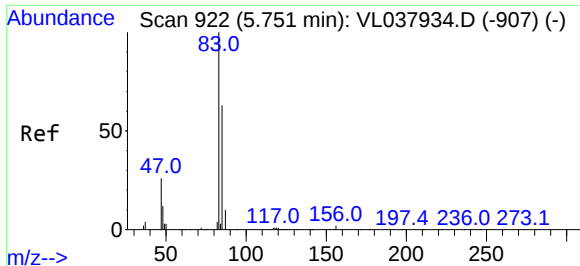


#26
Hexane
Concen: 1.654 ppbv
RT: 5.674 min Scan# 898
Delta R.T. -0.010 min
Lab File: VL037956.D
Acq: 2 Nov 2021 2:51



Tgt Ion: 57 Resp: 266768
Ion Ratio Lower Upper
57 100
41 89.1 71.0 106.6
43 87.0 173.0 259.6#
56 55.2 43.6 65.4





#29

Chloroform

Concen: 0.225 ppbv m

RT: 5.738 min Scan# 91

Delta R.T. -0.013 min

Lab File: VL037956.D

Acq: 2 Nov 2021 2:51

Instrument :

MSVOA_L

ClientSampleId :

OA1

Tgt Ion: 83 Resp: 54104

Ion Ratio Lower Upper

83 100

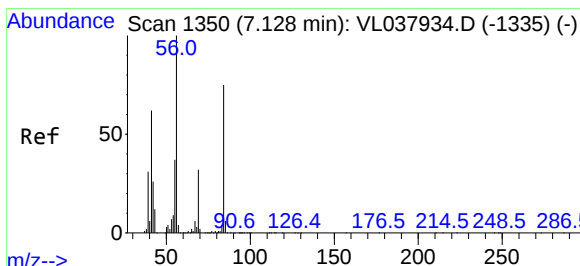
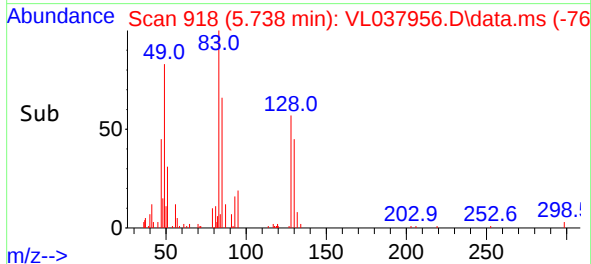
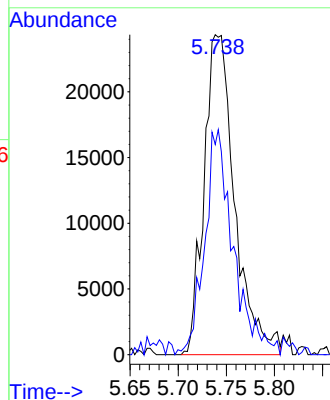
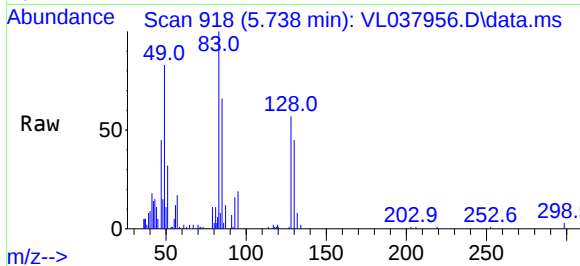
85 65.7 50.6 76.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/05/2021

Supervised By :Mahesh Dadoda 11/10/2021



#30

Cyclohexane

Concen: 0.148 ppbv m

RT: 7.118 min Scan# 1347

Delta R.T. -0.010 min

Lab File: VL037956.D

Acq: 2 Nov 2021 2:51

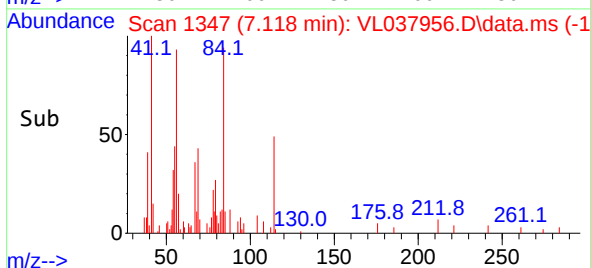
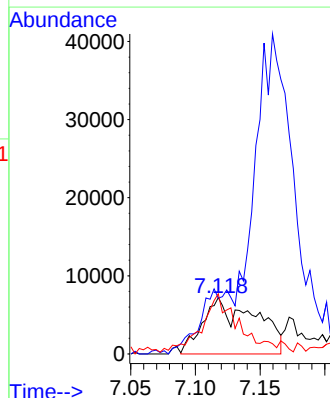
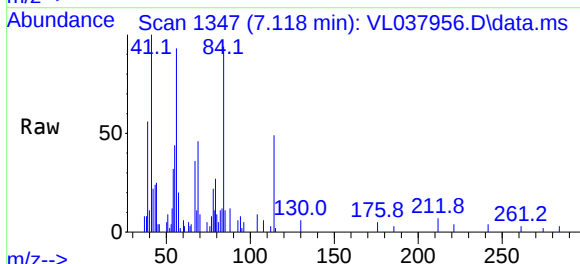
Tgt Ion: 84 Resp: 20421

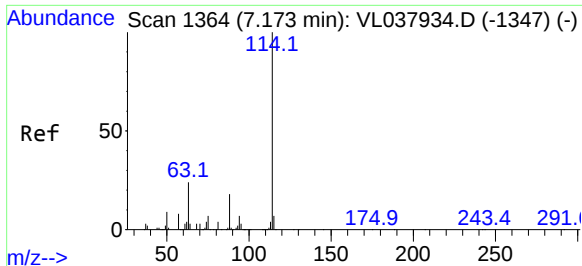
Ion Ratio Lower Upper

84 100

56 0.0 114.0 171.0#

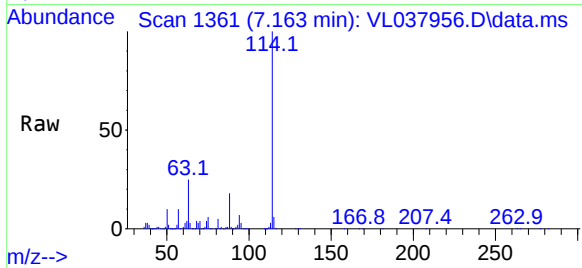
41 71.6 68.3 102.5





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.163 min Scan# 114
Delta R.T. -0.010 min
Lab File: VL037956.D
Acq: 2 Nov 2021 2:51

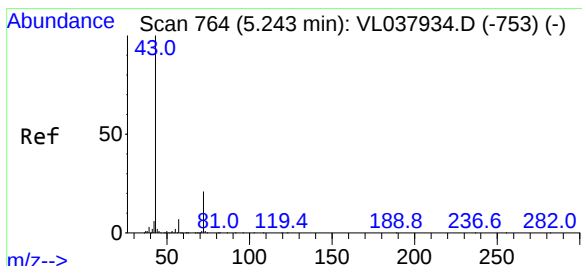
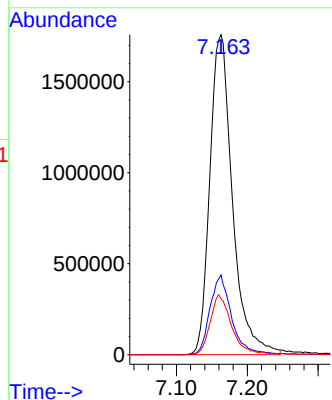
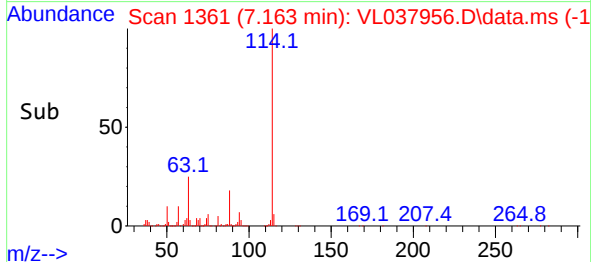
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion:114 Resp: 3899180
Ion Ratio Lower Upper
114 100
63 24.2 19.4 29.0
88 17.8 14.2 21.4

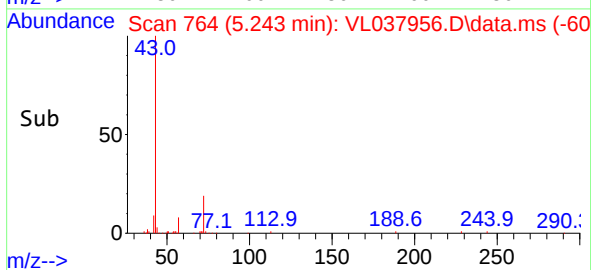
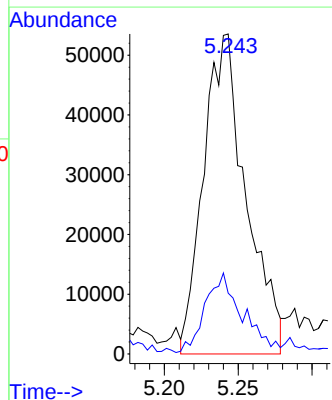
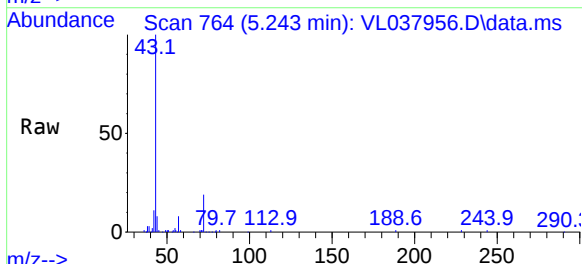
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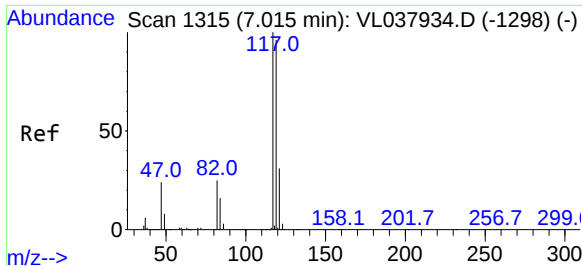
Reviewed By :Semsettin Yesilyurt 11/05/2021
Supervised By :Mahesh Dadoda 11/10/2021



#34
2-Butanone
Concen: 0.743 ppbv m
RT: 5.243 min Scan# 764
Delta R.T. -0.000 min
Lab File: VL037956.D
Acq: 2 Nov 2021 2:51

Tgt Ion: 43 Resp: 107350
Ion Ratio Lower Upper
43 100
72 0.0 18.3 27.5#





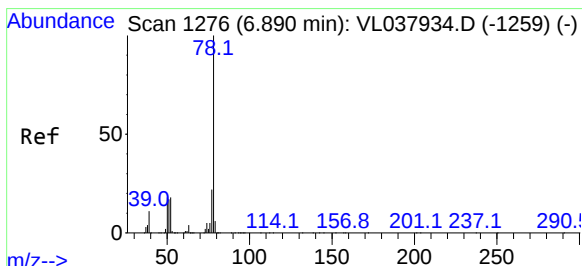
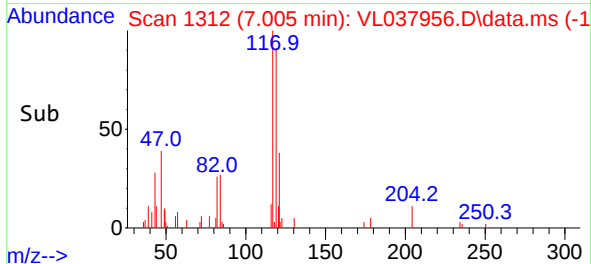
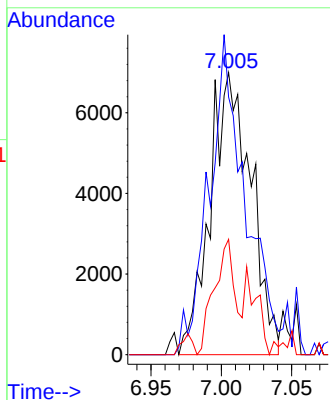
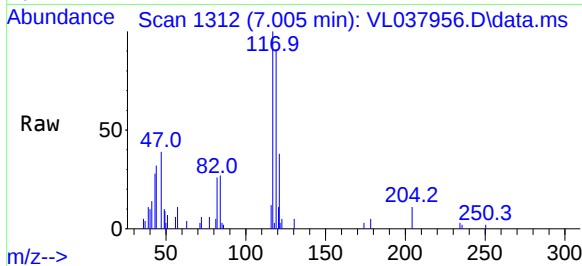
#35
Carbon Tetrachloride
Concen: 0.060 ppbv m
RT: 7.005 min Scan# 117
Delta R.T. -0.010 min
Lab File: VL037956.D
Acq: 2 Nov 2021 2:51

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 117 Resp: 1419
Ion Ratio Lower Upper
117 100
119 91.3 76.6 114.8
121 37.7 25.1 37.7

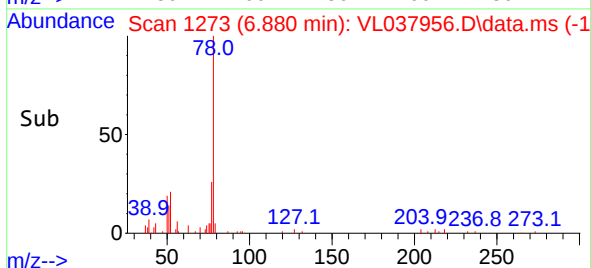
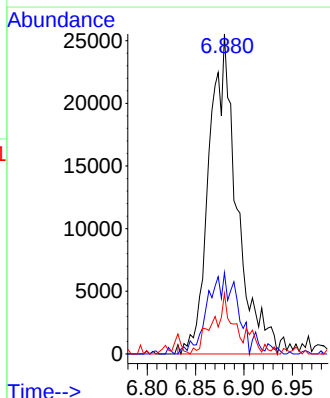
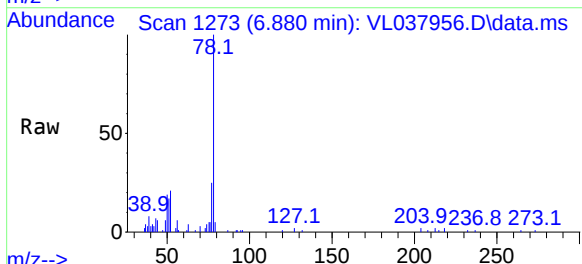
Manual Integrations
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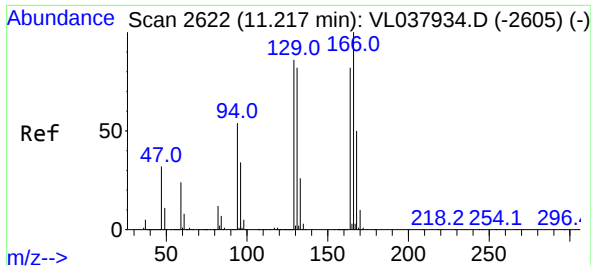
Reviewed By :Semsettin Yesilyurt 11/05/2021
Supervised By :Mahesh Dadoda 11/10/2021



#36
Benzene
Concen: 0.160 ppbv m
RT: 6.880 min Scan# 1273
Delta R.T. -0.010 min
Lab File: VL037956.D
Acq: 2 Nov 2021 2:51

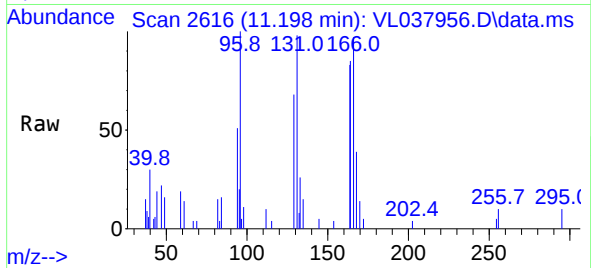
Tgt Ion: 78 Resp: 50942
Ion Ratio Lower Upper
78 100
77 25.4 17.9 26.9
50 18.9 14.4 21.6





#52
Tetrachloroethene
Concen: 0.086 ppbv m
RT: 11.198 min Scan# 2177
Delta R.T. -0.019 min
Lab File: VL037956.D
Acq: 2 Nov 2021 2:51

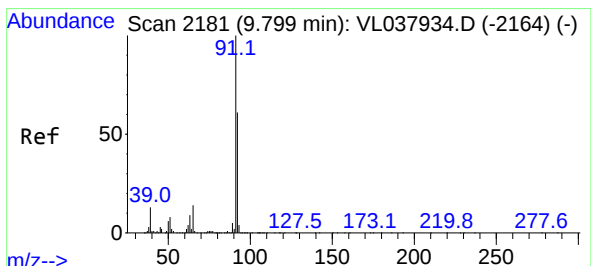
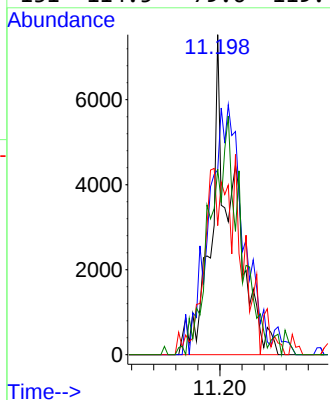
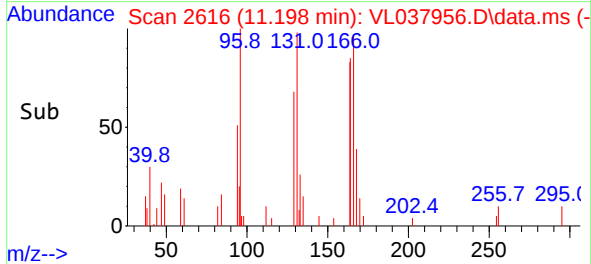
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion:164 Resp: 1033
Ion Ratio Lower Upper
164 100
166 114.1 97.6 146.4
129 79.8 84.2 126.2
131 114.5 79.6 119.4

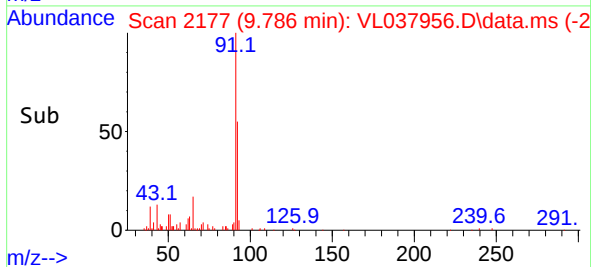
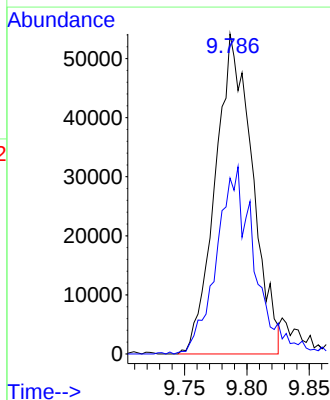
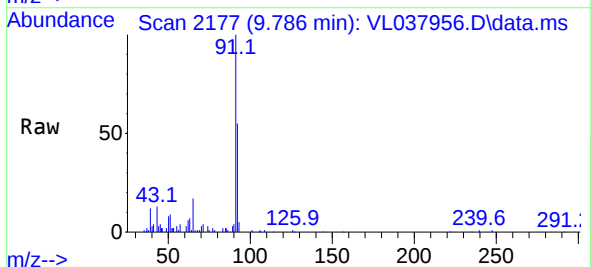
Manual Integrations
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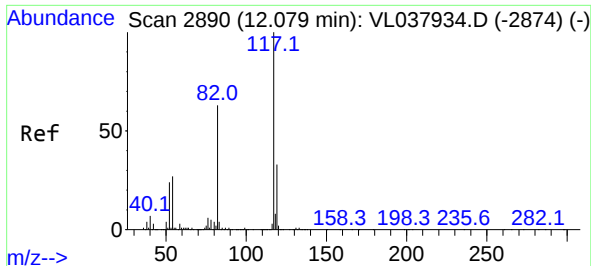
Reviewed By :Semsettin Yesilyurt 11/05/2021
Supervised By :Mahesh Dadoda 11/10/2021



#53
Toluene
Concen: 0.328 ppbv
RT: 9.786 min Scan# 2177
Delta R.T. -0.013 min
Lab File: VL037956.D
Acq: 2 Nov 2021 2:51

Tgt Ion: 91 Resp: 111823
Ion Ratio Lower Upper
91 100
92 61.6 48.2 72.4





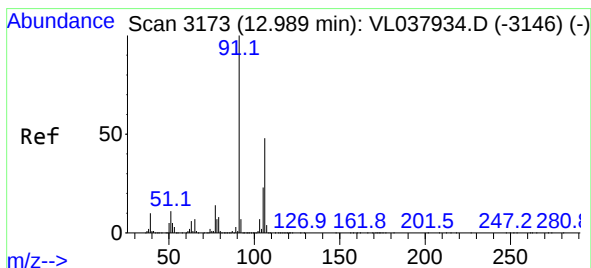
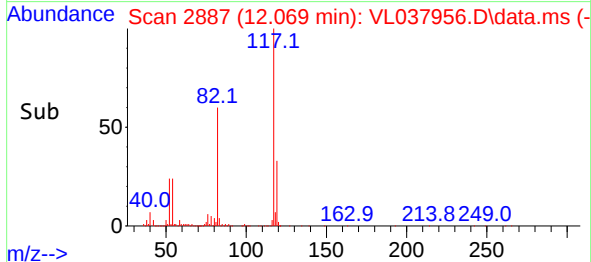
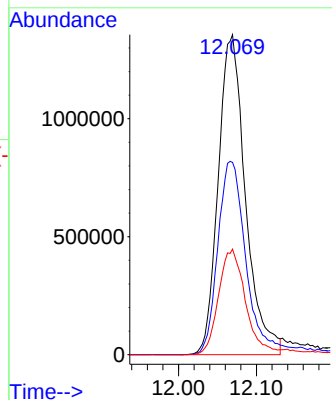
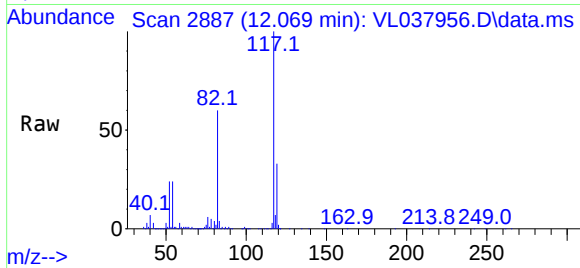
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.069 min Scan# 21
Delta R.T. -0.010 min
Lab File: VL037956.D
Acq: 2 Nov 2021 2:51

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 117 Resp: 328966
Ion Ratio Lower Upper
117 100
82 65.6 51.0 76.6
119 35.5 26.9 40.3

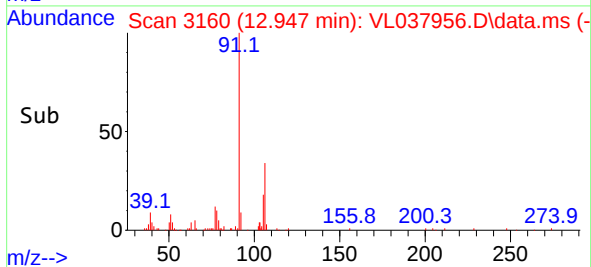
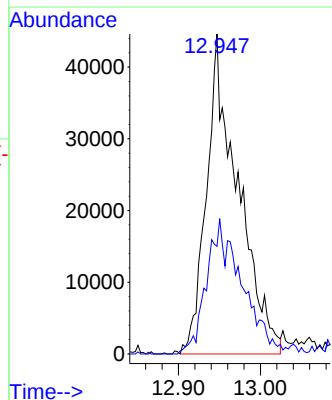
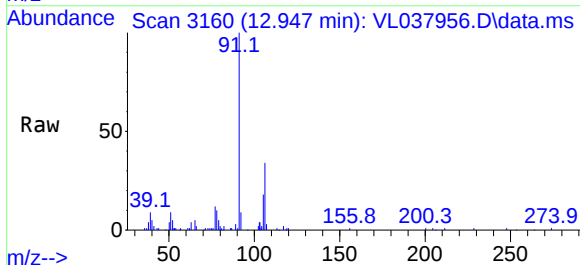
Manual Integrations
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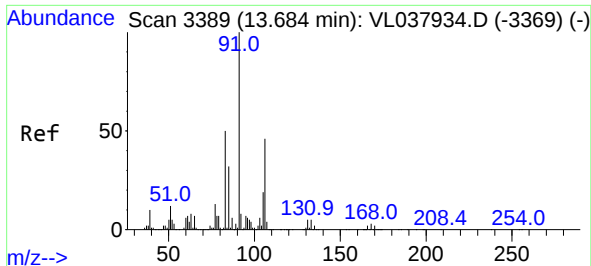
Reviewed By :Semsettin Yesilyurt 11/05/2021
Supervised By :Mahesh Dadoda 11/10/2021



#59
m/p-Xylene
Concen: 0.331 ppbv m
RT: 12.947 min Scan# 3160
Delta R.T. -0.042 min
Lab File: VL037956.D
Acq: 2 Nov 2021 2:51

Tgt Ion: 91 Resp: 118360
Ion Ratio Lower Upper
91 100
106 0.0 37.1 55.7#





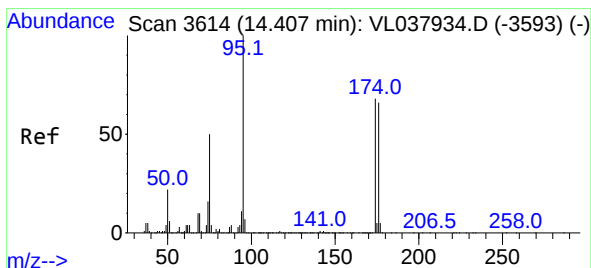
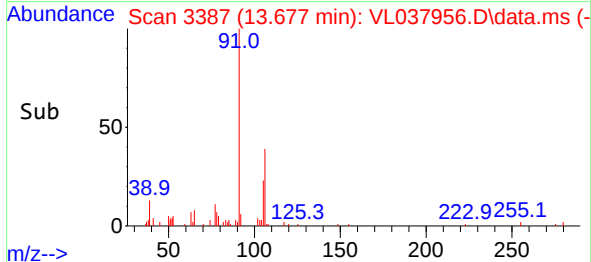
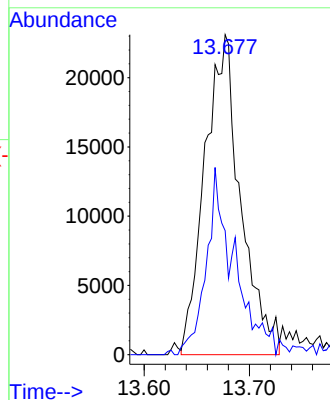
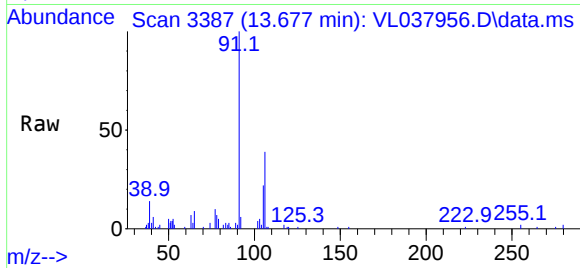
#60
o-Xylene
Concen: 0.162 ppbv m
RT: 13.677 min Scan# 311
Delta R.T. -0.007 min
Lab File: VL037956.D
Acq: 2 Nov 2021 2:51

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 91 Resp: 54702
Ion Ratio Lower Upper
91 100
106 0.0 23.5 70.6

Manual Integrations
APPROVED

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



#68
1-Bromo-4-Fluorobenzene
Concen: 10.008 ppbv
RT: 14.397 min Scan# 3611
Delta R.T. -0.010 min
Lab File: VL037956.D
Acq: 2 Nov 2021 2:51

Tgt Ion: 95 Resp: 2393116
Ion Ratio Lower Upper
95 100
174 76.8 58.3 87.5
175 6.0 4.6 6.8

