

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110221\
 Data File : VL037967.D
 Acq On : 2 Nov 2021 14:32
 Operator : SY/AP
 Sample : M4447-01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/05/2021
 Supervised By :Mahesh Dadoda 11/09/2021

Quant Time: Nov 03 03:49:51 2021

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Nov 03 03:49:51 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	1294673	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.163	114	3759855	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.066	117	3214027	10.000	ppbv	-0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.400	95	2354850	10.080	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	3.047	85	43780m	0.240	ppbv	
3) Chlorodifluoromethane	2.989	51	62574m	0.260	ppbv	
4) Chloromethane	3.140	50	42392	0.463	ppbv	95
9) Propene	3.018	41	84896	0.982	ppbv #	71
11) Trichlorofluoromethane	3.947	101	39907m	0.220	ppbv	
13) Ethanol	3.597	45	4040299	463.460	ppbv	90
15) Acetone	3.848	43	458180	4.283	ppbv	98
19) Isopropyl Alcohol	3.957	45	5164864	75.495	ppbv #	91
20) Methylene Chloride	4.337	84	226691	3.860	ppbv	97
26) Hexane	5.677	57	83131m	0.552	ppbv	
29) Chloroform	5.738	83	23512m	0.105	ppbv	
34) 2-Butanone	5.243	43	33951m	0.244	ppbv	
35) Carbon Tetrachloride	7.005	117	13075m	0.058	ppbv	
38) Trichloroethene	7.822	130	5731745	45.102	ppbv	97
52) Tetrachloroethene	11.208	164	4746m	0.041	ppbv	
53) Toluene	9.790	91	71619m	0.218	ppbv	
69) p-Isopropyltoluene	17.638	119	81956	0.180	ppbv #	82
72) 4-Ethyltoluene	15.825	105	52743m	0.140	ppbv	
73) 1,3,5-Trimethylbenzene	15.976	105	39446m	0.112	ppbv	
74) 1,2,4-Trimethylbenzene	16.741	105	134155m	0.362	ppbv	

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

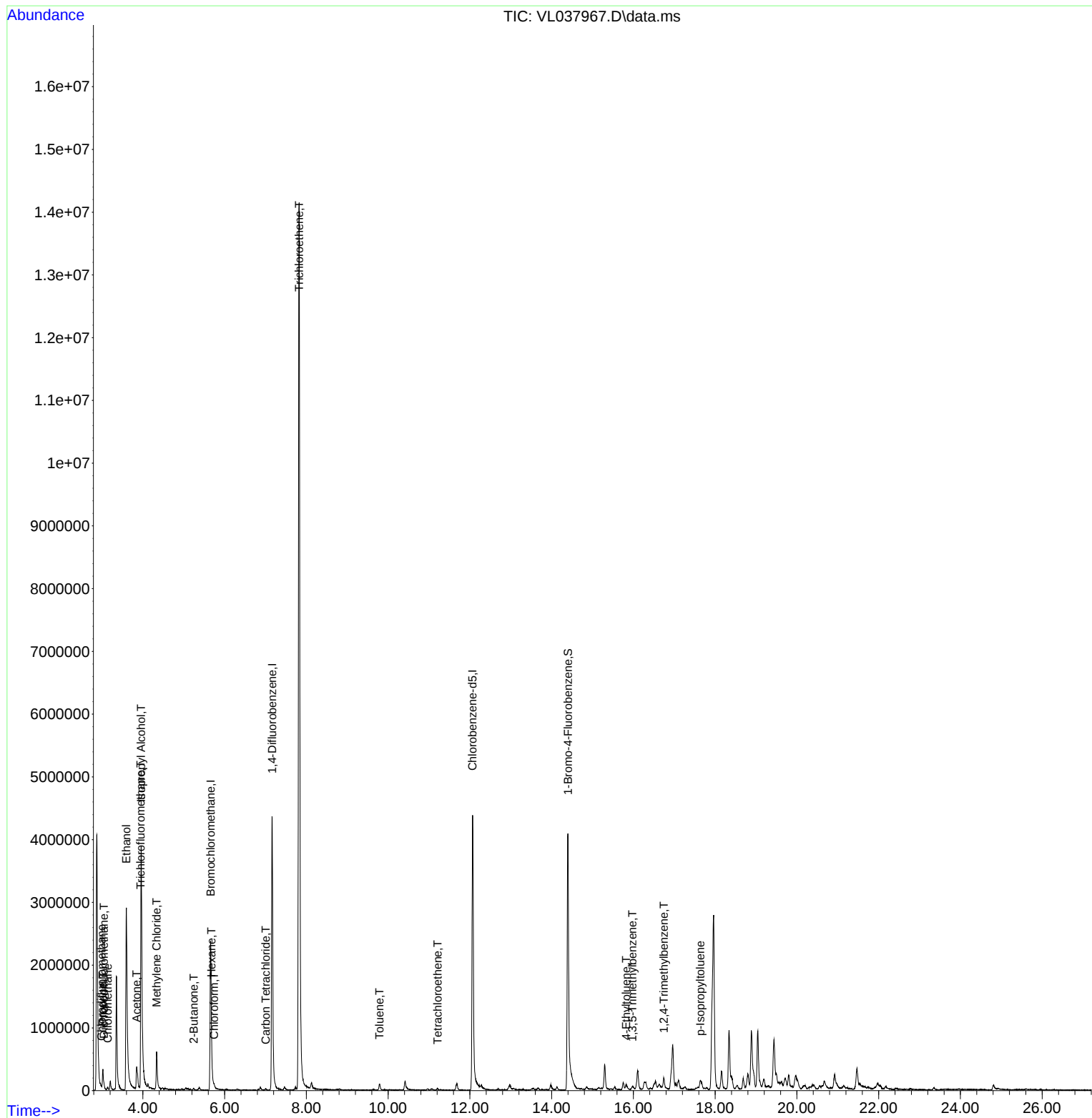
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110221\
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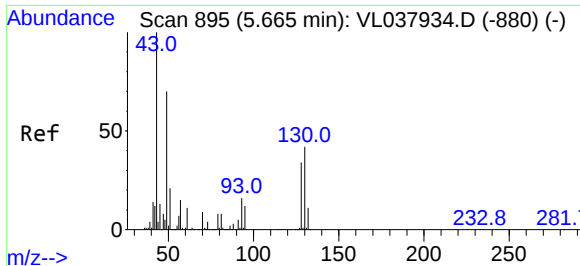
Instrument :
MSVOA_L
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IA-1

Quant Time: Nov 03 03:49:51 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL110121AIR.M
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QLast Update : Tue Nov 02 05:54:07 2021
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APPROVED

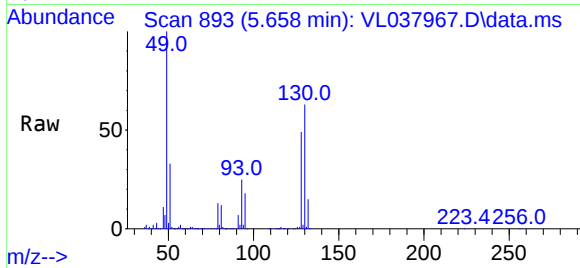
Reviewed By : Semsettin Yesilyurt 11/05/2021
Supervised By : Mahesh Dadoda 11/09/2021





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.658 min Scan# 895
Delta R.T. -0.007 min
Lab File: VL037967.D
Acq: 2 Nov 2021 14:32

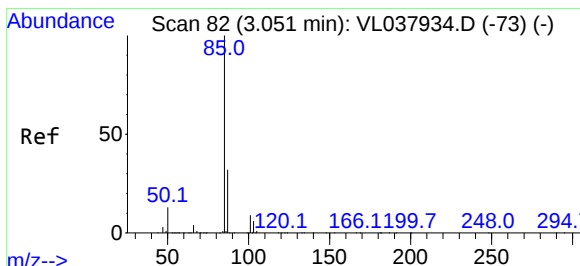
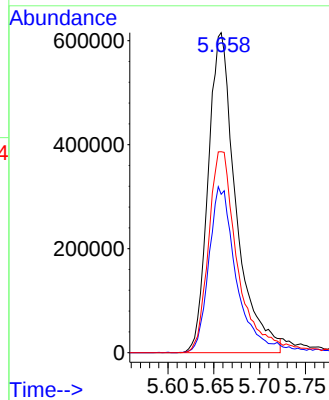
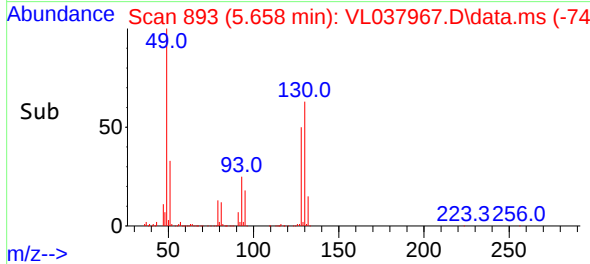
Instrument :
MSVOA_L
ClientSampleId :
IA-1



Tgt Ion: 49 Resp: 129467
Ion Ratio Lower Upper
49 100
128 53.4 27.0 81.0
130 67.6 33.4 100.2

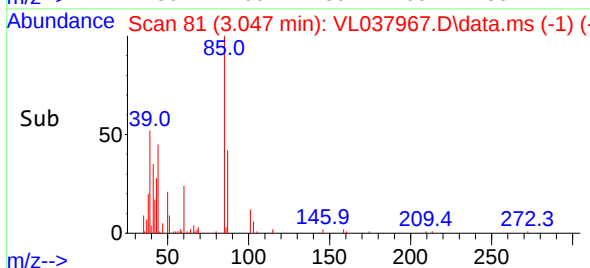
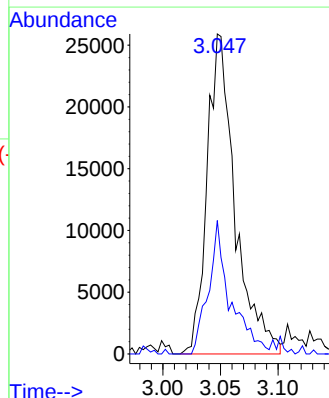
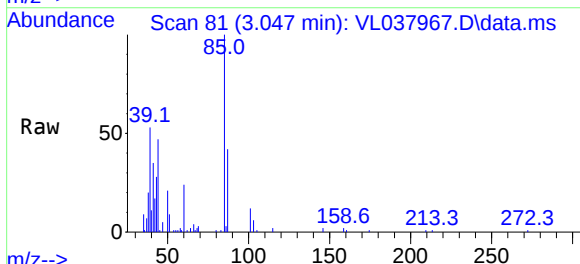
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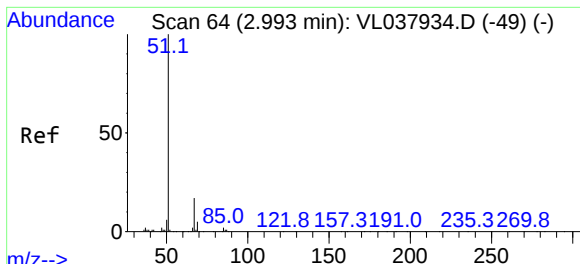
Reviewed By :Semsettin Yesilyurt 11/05/2021
Supervised By :Mahesh Dadoda 11/09/2021



#2
Dichlorodifluoromethane
Concen: 0.240 ppbv m
RT: 3.047 min Scan# 81
Delta R.T. -0.003 min
Lab File: VL037967.D
Acq: 2 Nov 2021 14:32

Tgt Ion: 85 Resp: 43780
Ion Ratio Lower Upper
85 100
87 41.7 25.3 37.9#





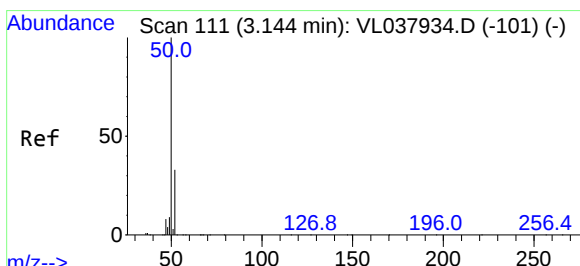
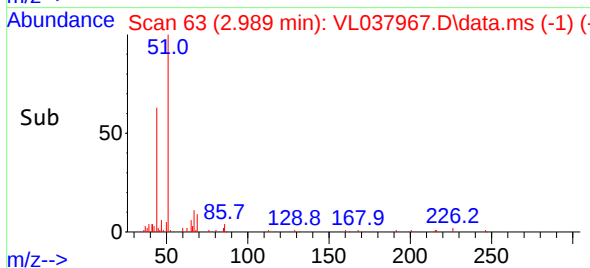
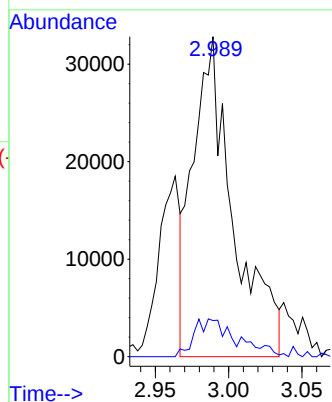
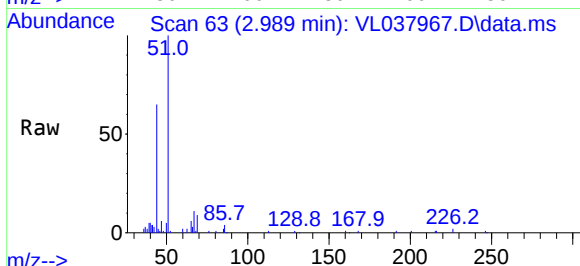
#3
Chlorodifluoromethane
Concen: 0.260 ppbv m
RT: 2.989 min Scan# 61
Delta R.T. -0.003 min
Lab File: VL037967.D
Acq: 2 Nov 2021 14:32

Instrument :
MSVOA_L
ClientSampleId :
IA-1

Tgt Ion: 51 Resp: 62574
Ion Ratio Lower Upper
51 100
67 1.0 13.4 20.0

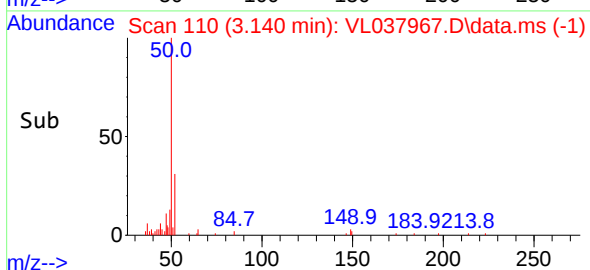
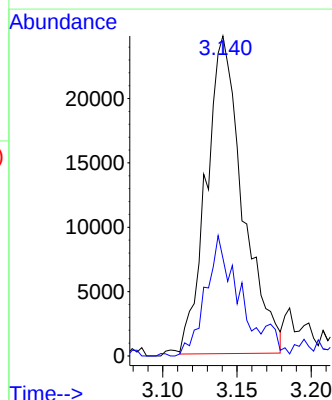
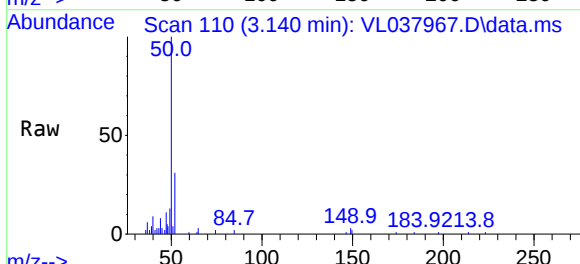
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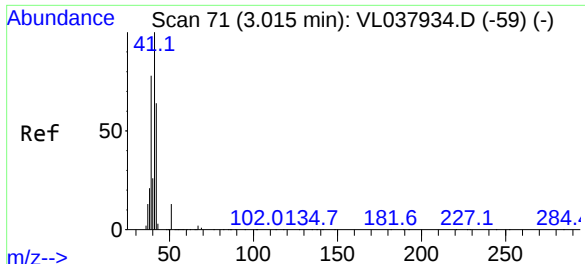
Reviewed By :Semsettin Yesilyurt 11/05/2021
Supervised By :Mahesh Dadoda 11/09/2021



#4
Chloromethane
Concen: 0.463 ppbv
RT: 3.140 min Scan# 110
Delta R.T. -0.003 min
Lab File: VL037967.D
Acq: 2 Nov 2021 14:32

Tgt Ion: 50 Resp: 42392
Ion Ratio Lower Upper
50 100
52 30.3 26.3 39.5





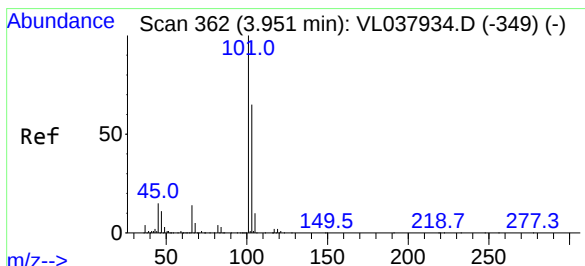
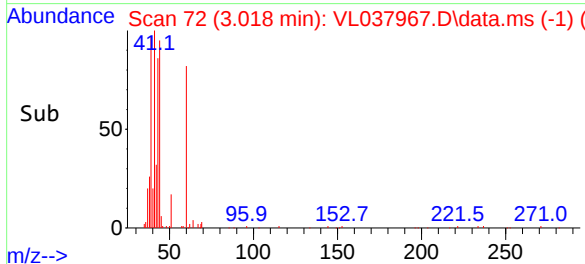
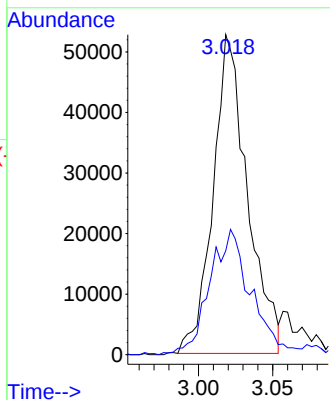
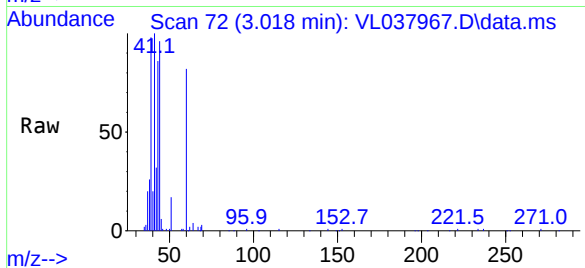
#9
Propene
Concen: 0.982 ppbv
RT: 3.018 min Scan# 71
Delta R.T. 0.003 min
Lab File: VL037967.D
Acq: 2 Nov 2021 14:32

Instrument :
MSVOA_L
ClientSampleId :
IA-1

Tgt Ion: 41 Resp: 84890
Ion Ratio Lower Upper
41 100
42 47.5 57.6 86.4

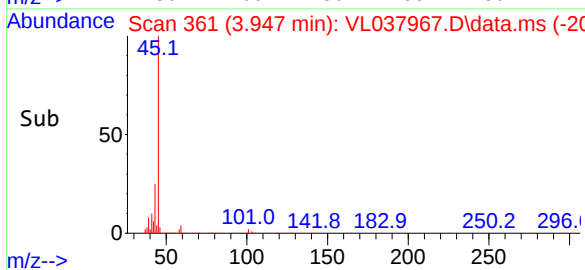
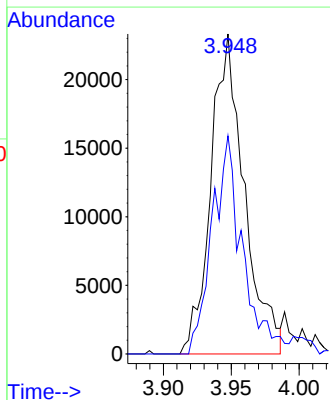
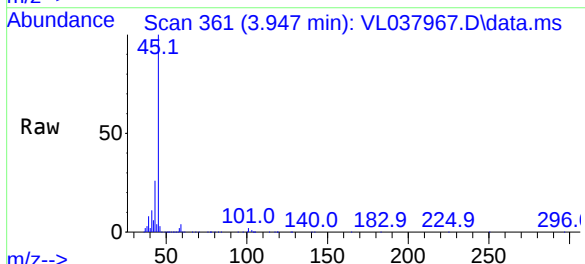
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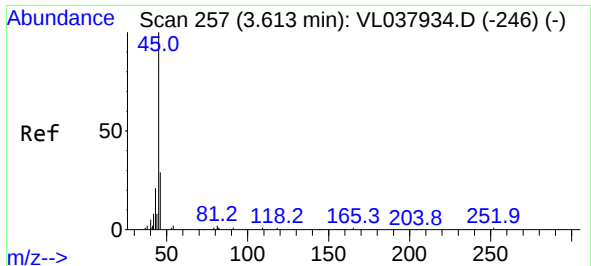
Reviewed By :Semsettin Yesilyurt 11/05/2021
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#11
Trichlorofluoromethane
Concen: 0.220 ppbv m
RT: 3.947 min Scan# 361
Delta R.T. -0.003 min
Lab File: VL037967.D
Acq: 2 Nov 2021 14:32

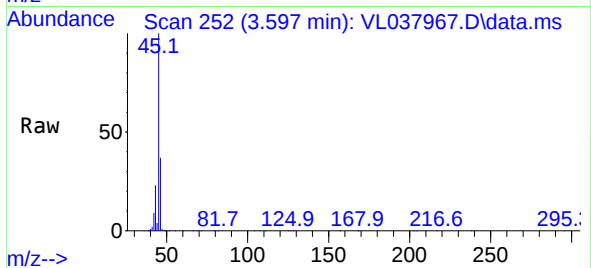
Tgt Ion:101 Resp: 39907
Ion Ratio Lower Upper
101 100
103 68.1 52.0 78.0





#13
Ethanol
Concen: 463.460 ppbv
RT: 3.597 min Scan# 21
Delta R.T. -0.016 min
Lab File: VL037967.D
Acq: 2 Nov 2021 14:32

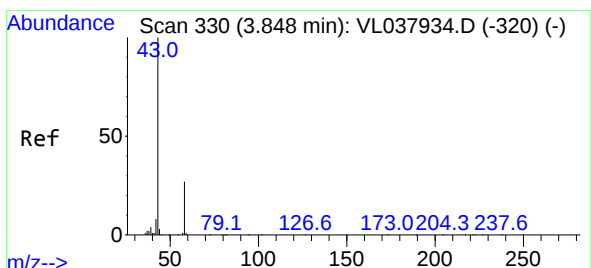
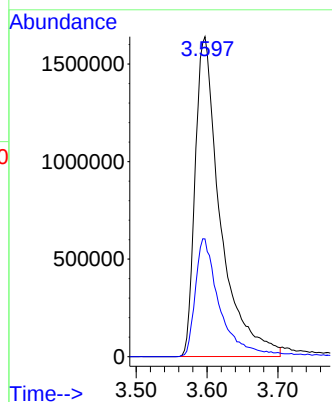
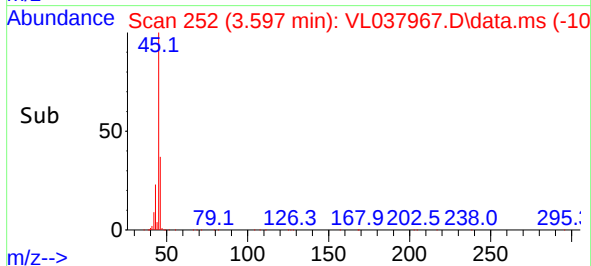
Instrument :
MSVOA_L
ClientSampleId :
IA-1



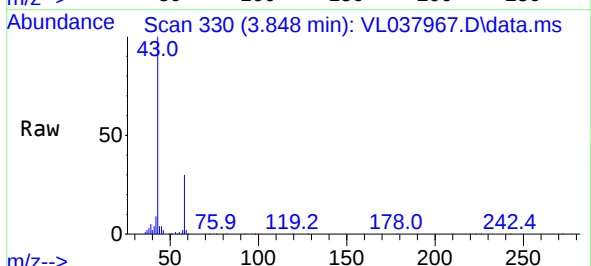
Tgt Ion: 45 Resp: 404029
Ion Ratio Lower Upper
45 100
46 37.4 17.4 69.8

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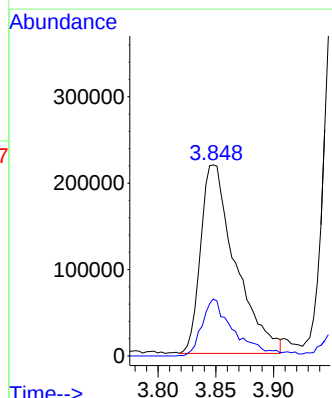
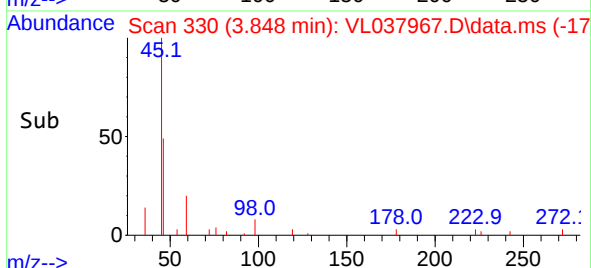
Reviewed By :Semsettin Yesilyurt 11/05/2021
Supervised By :Mahesh Dadoda 11/09/2021

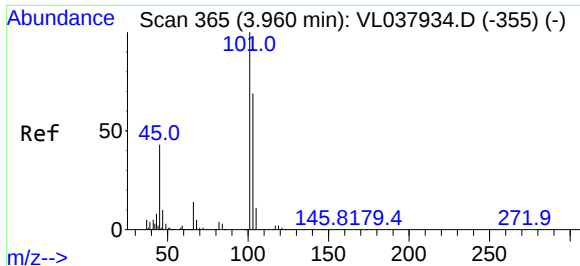


#15
Acetone
Concen: 4.283 ppbv
RT: 3.848 min Scan# 330
Delta R.T. -0.000 min
Lab File: VL037967.D
Acq: 2 Nov 2021 14:32



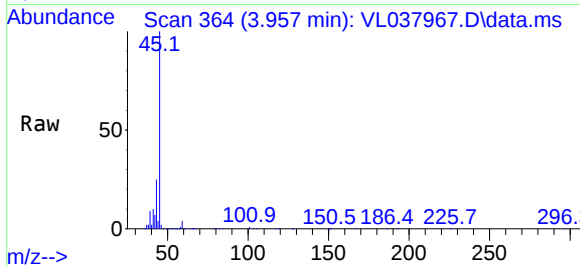
Tgt Ion: 43 Resp: 458180
Ion Ratio Lower Upper
43 100
58 28.2 23.3 34.9





#19
Isopropyl Alcohol
Concen: 75.495 ppbv
RT: 3.957 min Scan# 30
Delta R.T. -0.003 min
Lab File: VL037967.D
Acq: 2 Nov 2021 14:32

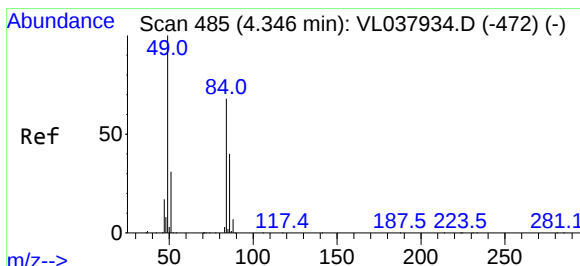
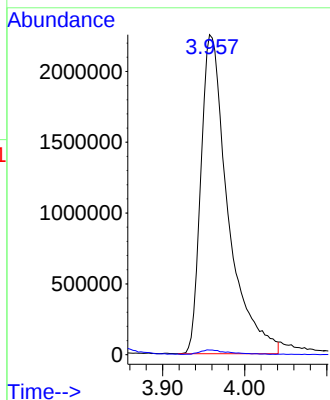
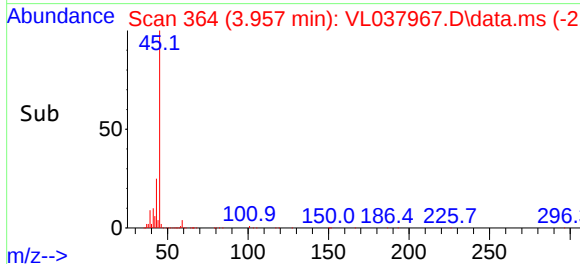
Instrument :
MSVOA_L
ClientSampleId :
IA-1



Tgt Ion: 45 Resp: 5164864
Ion Ratio Lower Upper
45 100
58 1.9 4.0 6.0

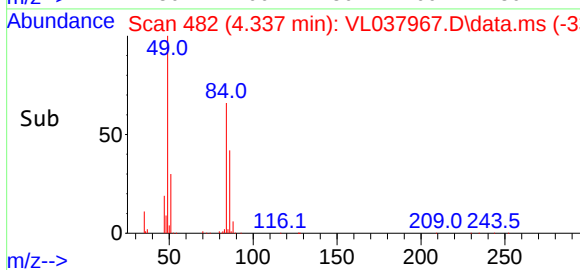
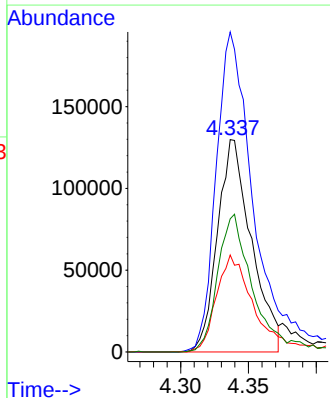
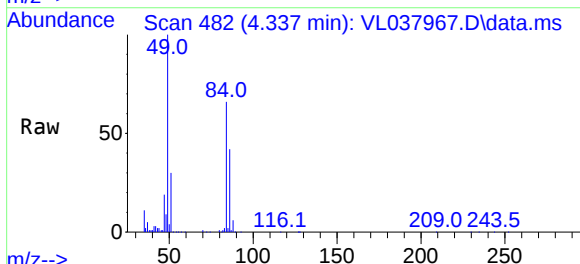
Manual Integrations
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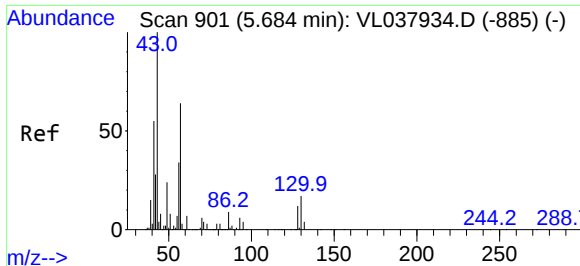
Reviewed By :Semsettin Yesilyurt 11/05/2021
Supervised By :Mahesh Dadoda 11/09/2021



#20
Methylene Chloride
Concen: 3.860 ppbv
RT: 4.337 min Scan# 482
Delta R.T. -0.010 min
Lab File: VL037967.D
Acq: 2 Nov 2021 14:32

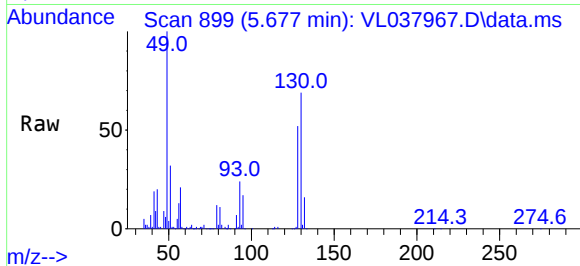
Tgt Ion: 84 Resp: 226691
Ion Ratio Lower Upper
84 100
49 150.7 117.5 176.3
51 45.6 35.9 53.9
86 62.7 47.3 70.9





#26
Hexane
Concen: 0.552 ppbv m
RT: 5.677 min Scan# 899
Delta R.T. -0.007 min
Lab File: VL037967.D
Acq: 2 Nov 2021 14:32

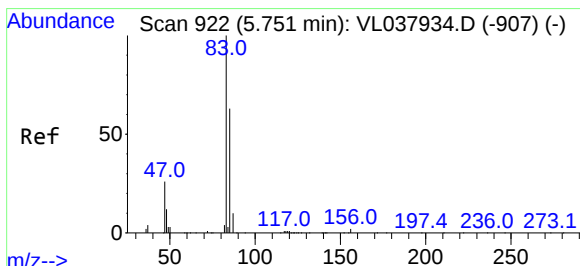
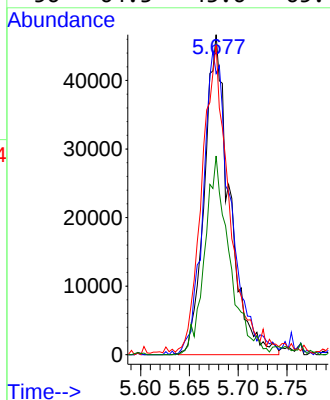
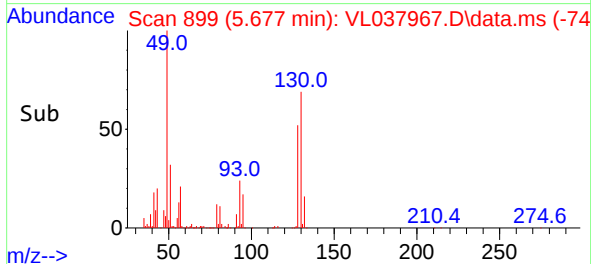
Instrument :
MSVOA_L
ClientSampleId :
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Tgt Ion: 57 Resp: 8313
Ion Ratio Lower Upper
57 100
41 107.4 71.0 106.6
43 111.2 173.0 259.6
56 64.3 43.6 65.4

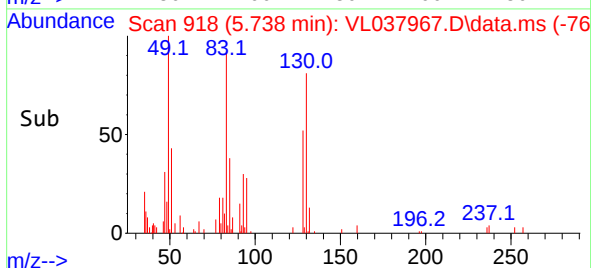
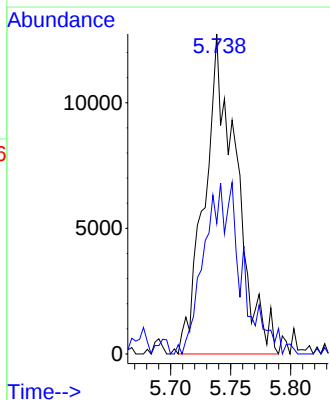
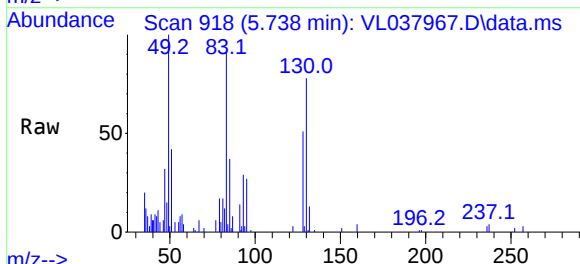
Manual Integrations
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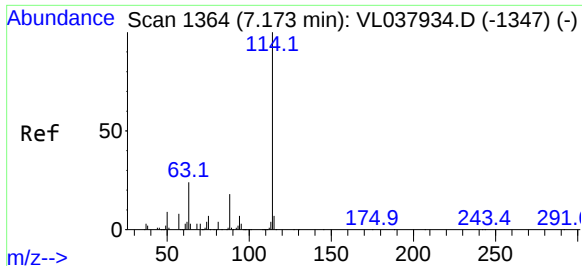
Reviewed By :Semsettin Yesilyurt 11/05/2021
Supervised By :Mahesh Dadoda 11/09/2021



#29
Chloroform
Concen: 0.105 ppbv m
RT: 5.738 min Scan# 918
Delta R.T. -0.013 min
Lab File: VL037967.D
Acq: 2 Nov 2021 14:32

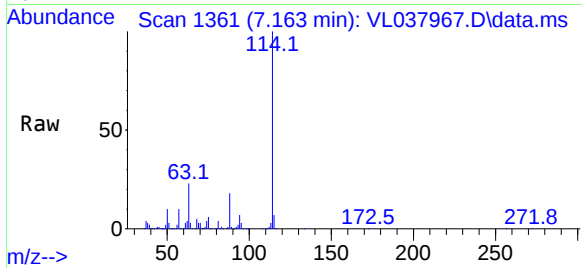
Tgt Ion: 83 Resp: 23512
Ion Ratio Lower Upper
83 100
85 40.8 50.6 76.0#





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.163 min Scan# 114
Delta R.T. -0.010 min
Lab File: VL037967.D
Acq: 2 Nov 2021 14:32

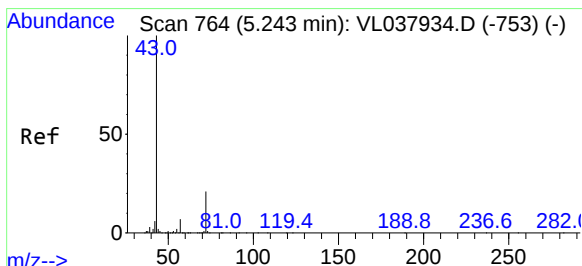
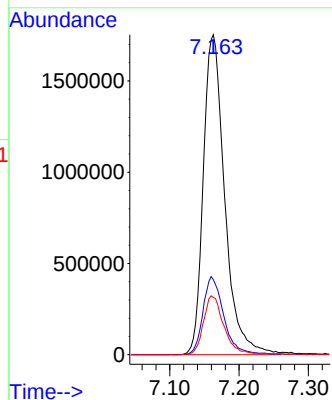
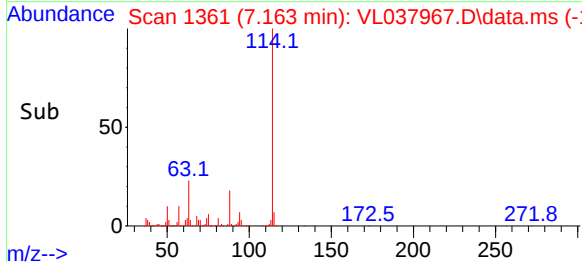
Instrument :
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ClientSampleId :
IA-1



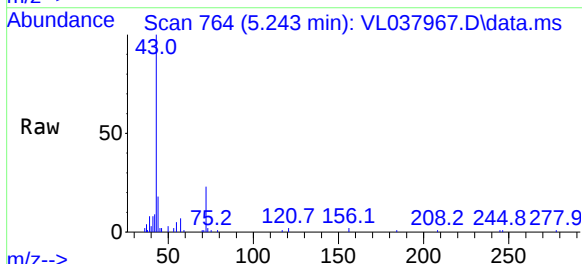
Tgt Ion:114 Resp: 375985
Ion Ratio Lower Upper
114 100
63 24.0 19.4 29.0
88 17.8 14.2 21.4

Manual Integrations
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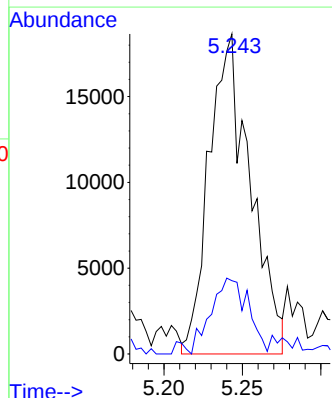
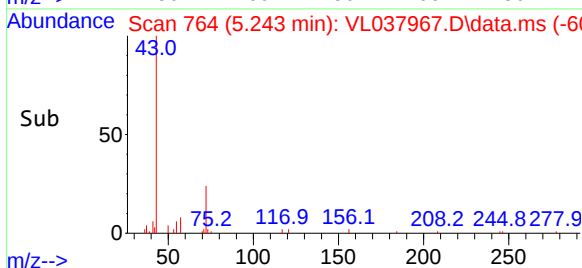
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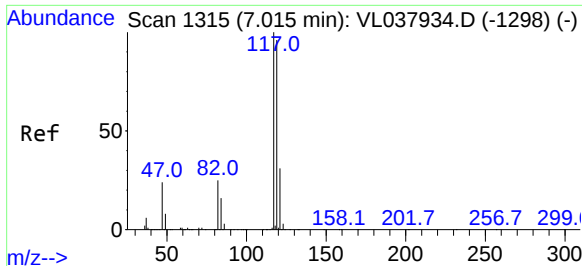


#34
2-Butanone
Concen: 0.244 ppbv m
RT: 5.243 min Scan# 764
Delta R.T. -0.000 min
Lab File: VL037967.D
Acq: 2 Nov 2021 14:32



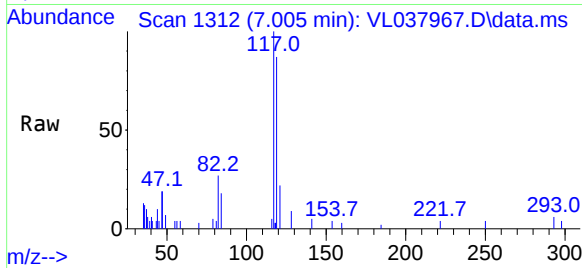
Tgt Ion: 43 Resp: 33951
Ion Ratio Lower Upper
43 100
72 26.3 18.3 27.5





#35
Carbon Tetrachloride
Concen: 0.058 ppbv m
RT: 7.005 min Scan# 117
Delta R.T. -0.010 min
Lab File: VL037967.D
Acq: 2 Nov 2021 14:32

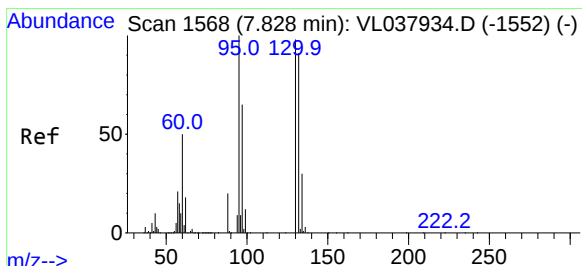
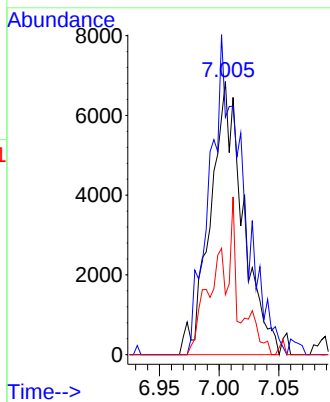
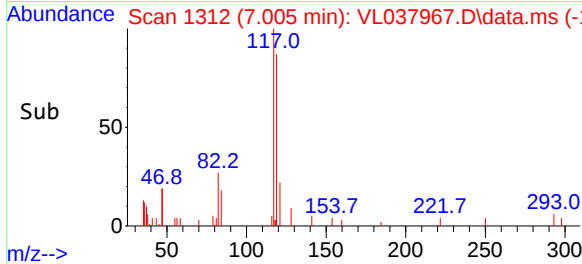
Instrument :
MSVOA_L
ClientSampleId :
IA-1



Tgt Ion:117 Resp: 1307
Ion Ratio Lower Upper
117 100
119 86.9 76.6 114.8
121 22.0 25.1 37.7

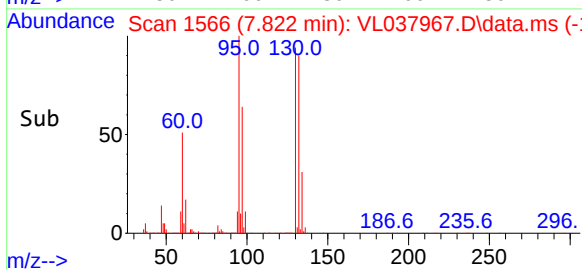
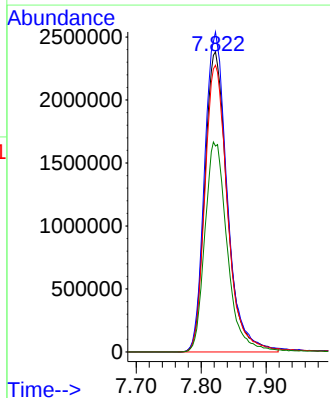
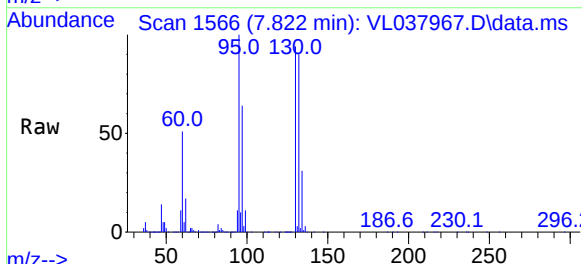
Manual Integrations
APPROVED

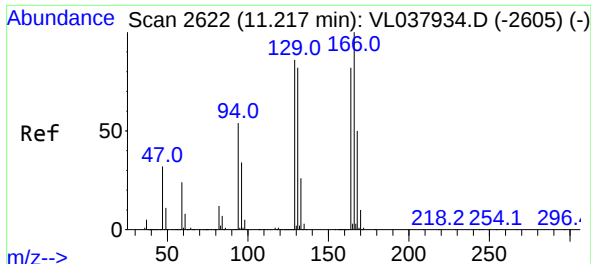
Reviewed By :Semsettin Yesilyurt 11/05/2021
Supervised By :Mahesh Dadoda 11/09/2021



#38
Trichloroethene
Concen: 45.102 ppbv
RT: 7.822 min Scan# 1566
Delta R.T. -0.007 min
Lab File: VL037967.D
Acq: 2 Nov 2021 14:32

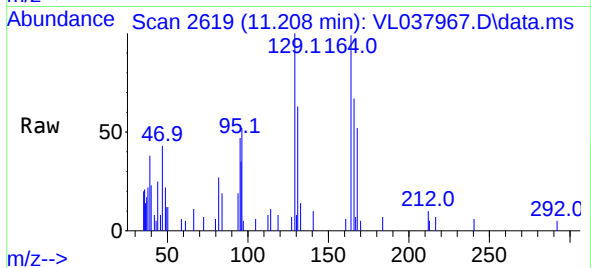
Tgt Ion:130 Resp: 5731745
Ion Ratio Lower Upper
130 100
95 106.6 81.8 122.8
132 95.5 74.2 111.2
97 68.6 53.4 80.2





#52
Tetrachloroethene
Concen: 0.041 ppbv m
RT: 11.208 min Scan# 2119
Delta R.T. -0.010 min
Lab File: VL037967.D
Acq: 2 Nov 2021 14:32

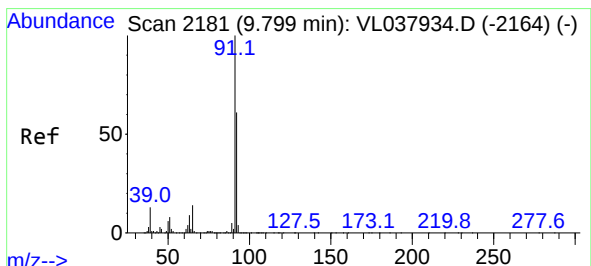
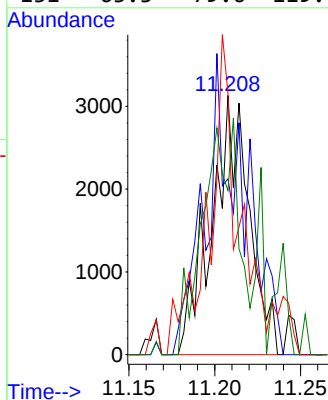
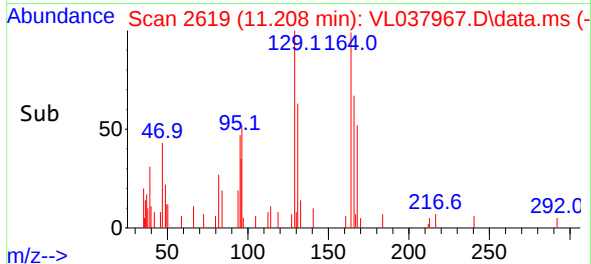
Instrument :
MSVOA_L
ClientSampleId :
1A-1



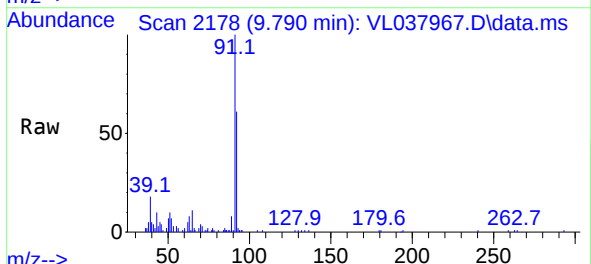
Tgt Ion:164 Resp: 4740
Ion Ratio Lower Upper
164 100
166 67.8 97.6 146.4
129 100.9 84.2 126.2
131 63.3 79.6 119.4

Manual Integrations
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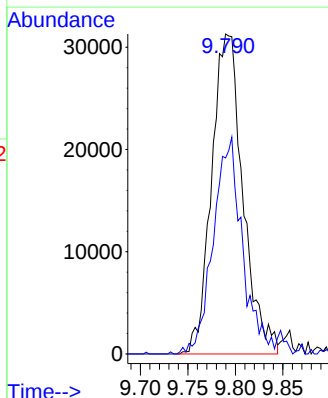
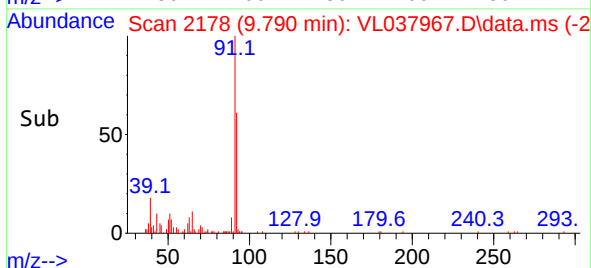
Reviewed By :Semsettin Yesilyurt 11/05/2021
Supervised By :Mahesh Dadoda 11/09/2021

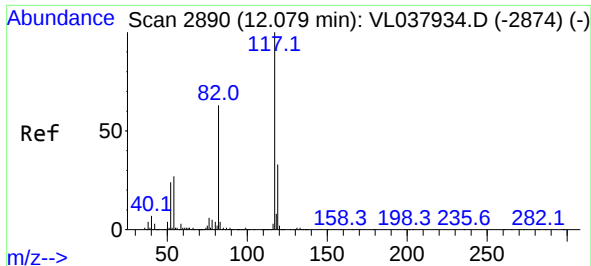


#53
Toluene
Concen: 0.218 ppbv m
RT: 9.790 min Scan# 2178
Delta R.T. -0.010 min
Lab File: VL037967.D
Acq: 2 Nov 2021 14:32



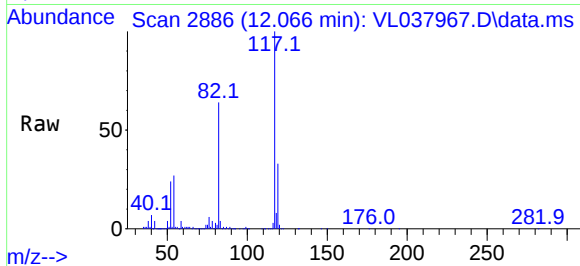
Tgt Ion: 91 Resp: 71619
Ion Ratio Lower Upper
91 100
92 65.2 48.2 72.4





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.066 min Scan# 21
Delta R.T. -0.013 min
Lab File: VL037967.D
Acq: 2 Nov 2021 14:32

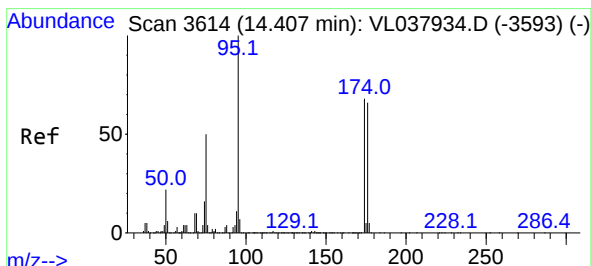
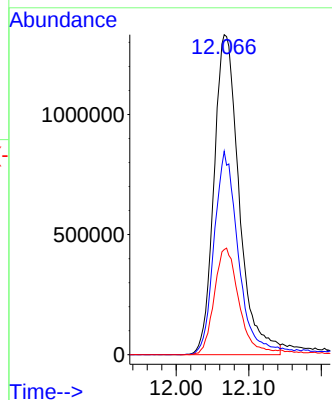
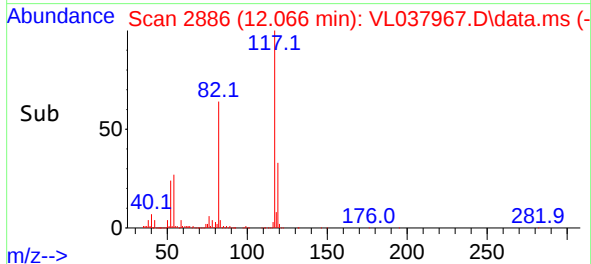
Instrument :
MSVOA_L
ClientSampleId :
IA-1



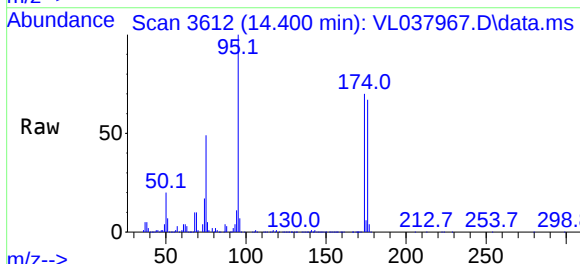
Tgt Ion: 117 Resp: 321402
Ion Ratio Lower Upper
117 100
82 63.7 51.0 76.6
119 34.3 26.9 40.3

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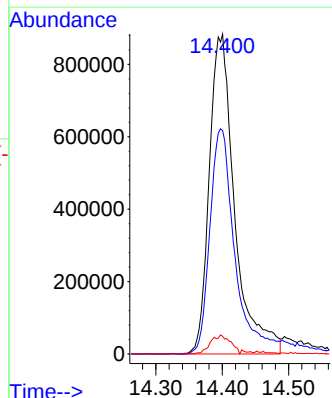
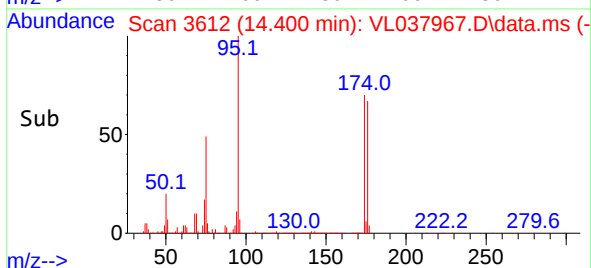
Reviewed By :Semsettin Yesilyurt 11/05/2021
Supervised By :Mahesh Dadoda 11/09/2021

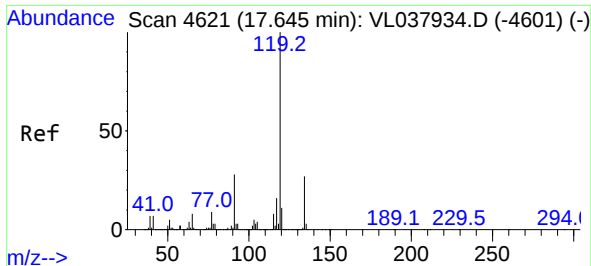


#68
1-Bromo-4-Fluorobenzene
Concen: 10.080 ppbv
RT: 14.400 min Scan# 3612
Delta R.T. -0.007 min
Lab File: VL037967.D
Acq: 2 Nov 2021 14:32



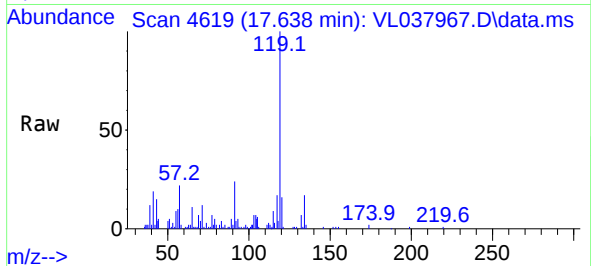
Tgt Ion: 95 Resp: 2354850
Ion Ratio Lower Upper
95 100
174 74.0 58.3 87.5
175 5.5 4.6 6.8





#69
p-Isopropyltoluene
Concen: 0.180 ppbv
RT: 17.638 min Scan# 4619
Delta R.T. -0.007 min
Lab File: VL037967.D
Acq: 2 Nov 2021 14:32

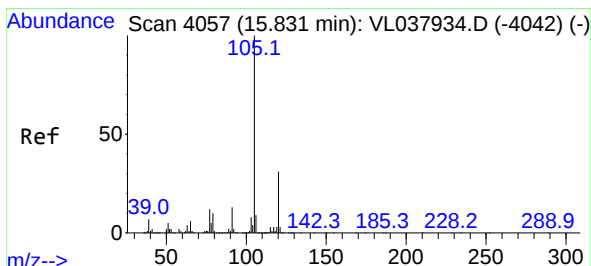
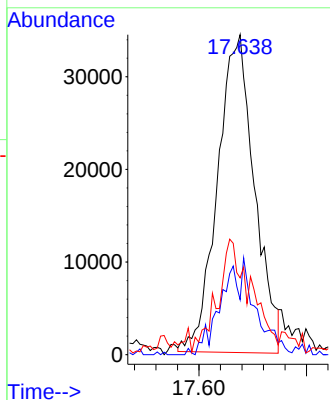
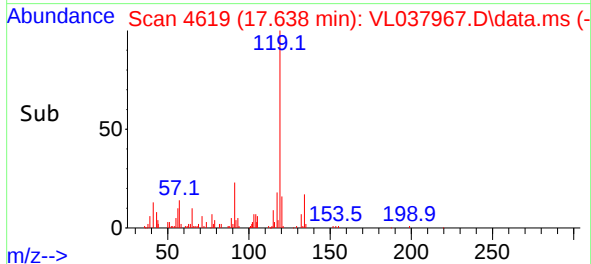
Instrument :
MSVOA_L
ClientSampleId :
IA-1



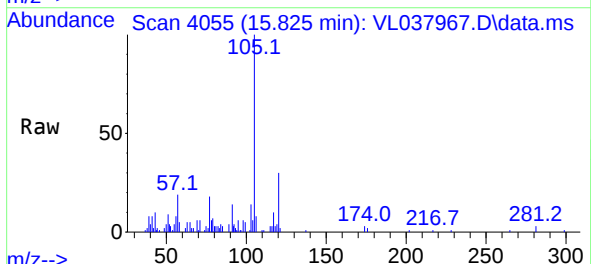
Tgt Ion:119 Resp: 81950
Ion Ratio Lower Upper
119 100
134 28.7 21.0 31.4
91 43.5 21.8 32.8

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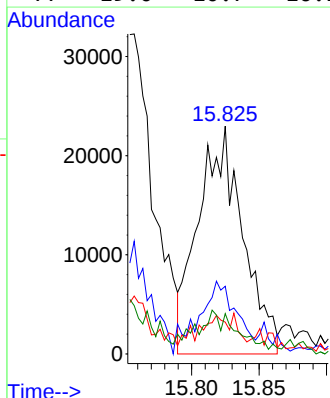
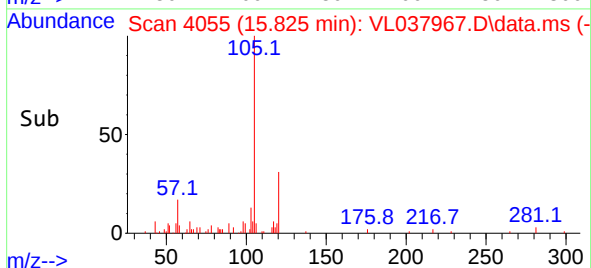
Reviewed By :Semsettin Yesilyurt 11/05/2021
Supervised By :Mahesh Dadoda 11/09/2021

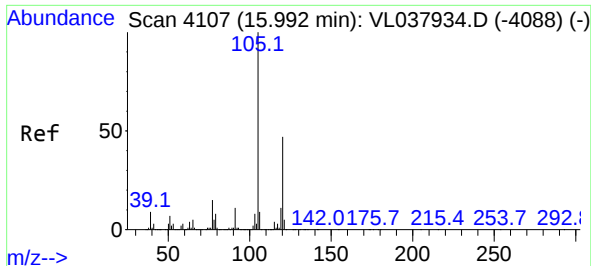


#72
4-Ethyltoluene
Concen: 0.140 ppbv m
RT: 15.825 min Scan# 4055
Delta R.T. -0.007 min
Lab File: VL037967.D
Acq: 2 Nov 2021 14:32



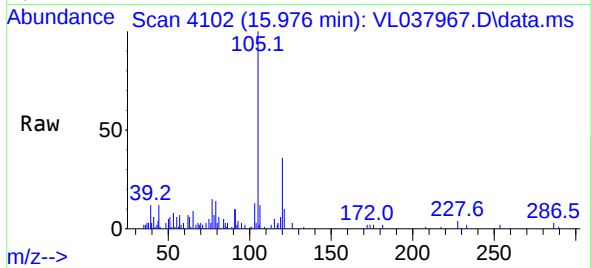
Tgt Ion:105 Resp: 52743
Ion Ratio Lower Upper
105 100
120 32.1 25.3 37.9
91 0.0 9.9 14.9#
77 19.0 10.7 16.1#





#73
1,3,5-Trimethylbenzene
Concen: 0.112 ppbv m
RT: 15.976 min Scan# 4107
Delta R.T. -0.016 min
Lab File: VL037967.D
Acq: 2 Nov 2021 14:32

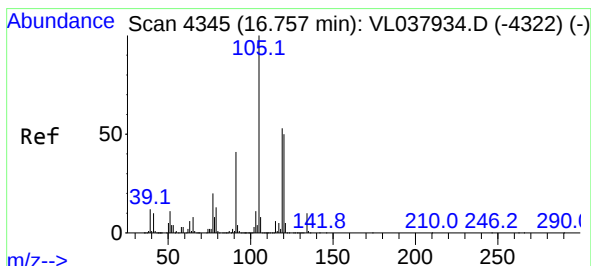
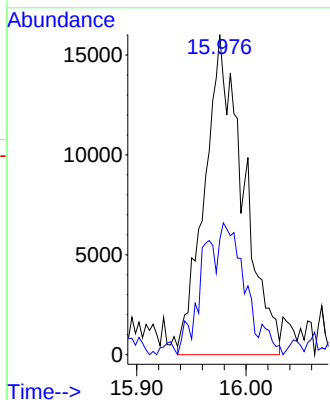
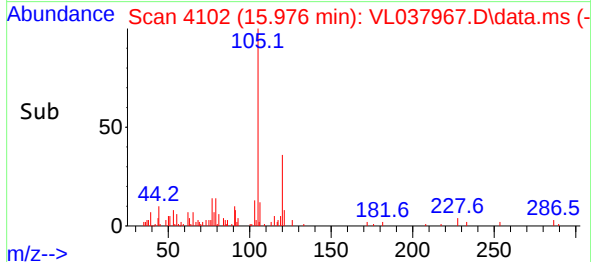
Instrument :
MSVOA_L
ClientSampleId :
IA-1



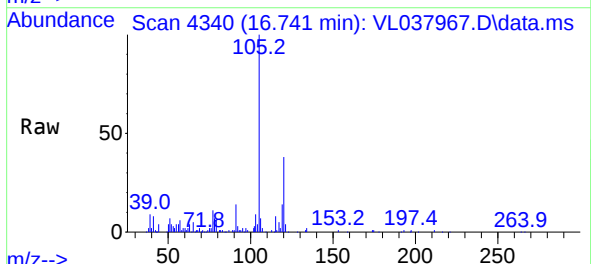
Tgt Ion:105 Resp: 39440
Ion Ratio Lower Upper
105 100
120 35.9 37.9 56.9

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 11/05/2021
Supervised By :Mahesh Dadoda 11/09/2021



#74
1,2,4-Trimethylbenzene
Concen: 0.362 ppbv m
RT: 16.741 min Scan# 4340
Delta R.T. -0.016 min
Lab File: VL037967.D
Acq: 2 Nov 2021 14:32



Tgt Ion:105 Resp: 134155
Ion Ratio Lower Upper
105 100
120 38.4 40.0 60.0#
91 14.1 32.6 49.0#
77 11.4 15.8 23.8#

