

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110221\
 Data File : VL037968.D
 Acq On : 2 Nov 2021 15:13
 Operator : SY/AP
 Sample : M4447-01DUP
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-1DUP

Manual Integrations
 APPROVED

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

Quant Time: Nov 03 03:49:59 2021

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Nov 03 03:49:59 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	1279338	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.163	114	3679501	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.066	117	3044308	10.000	ppbv	-0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.397	95	2273618	10.274	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.700%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.050	85	45189	0.251	ppbv	94
3) Chlorodifluoromethane	2.983	51	61063m	0.256	ppbv	
4) Chloromethane	3.144	50	44893	0.496	ppbv	93
9) Propene	3.022	41	83604	0.979	ppbv #	70
11) Trichlorofluoromethane	3.951	101	38613m	0.215	ppbv	
13) Ethanol	3.597	45	3900978	452.843	ppbv	89
15) Acetone	3.848	43	460198	4.353	ppbv	98
19) Isopropyl Alcohol	3.960	45	5000359	73.966	ppbv #	91
20) Methylene Chloride	4.343	84	195876	3.375	ppbv	94
26) Hexane	5.681	57	70331m	0.473	ppbv	
34) 2-Butanone	5.240	43	35970m	0.264	ppbv	
35) Carbon Tetrachloride	7.002	117	12527m	0.056	ppbv	
38) Trichloroethene	7.822	130	5664156	45.544	ppbv	97
52) Tetrachloroethene	11.204	164	4091m	0.036	ppbv	
53) Toluene	9.796	91	76327m	0.238	ppbv	
69) p-Isopropyltoluene	17.638	119	78977m	0.183	ppbv	
72) 4-Ethyltoluene	15.818	105	47904m	0.134	ppbv	
73) 1,3,5-Trimethylbenzene	15.982	105	34764m	0.104	ppbv	
74) 1,2,4-Trimethylbenzene	16.748	105	122540	0.349	ppbv #	69

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

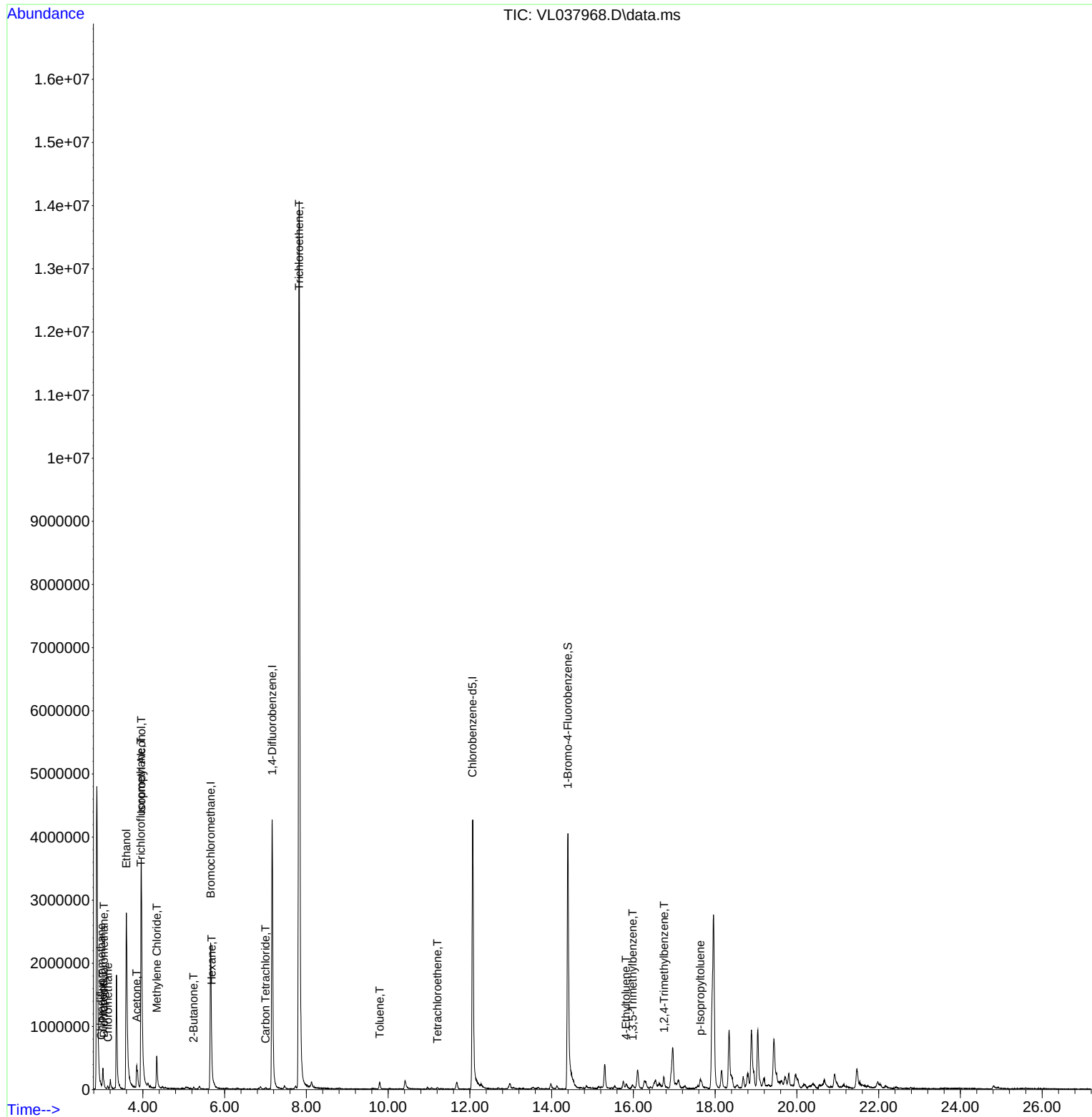
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110221\
Data File : VL037968.D
Acq On : 2 Nov 2021 15:13
Operator : SY/AP
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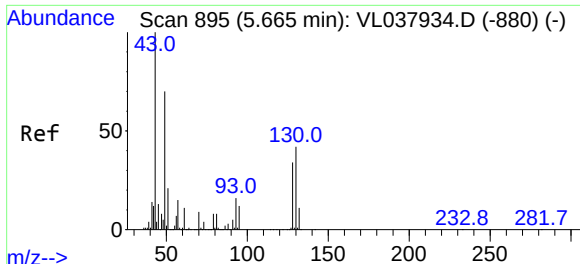
Instrument :
MSVOA_L
ClientSampleId :
IA-1DUP

Quant Time: Nov 03 03:49:59 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

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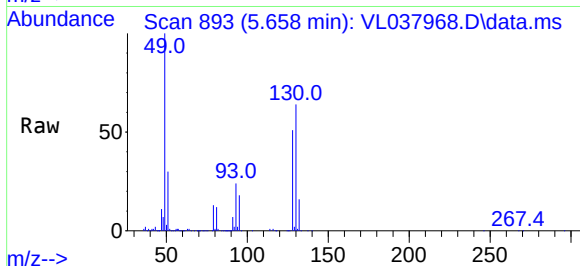
Reviewed By : Semsettin Yesilyurt 11/05/2021
Supervised By : Mahesh Dadoda 11/09/2021





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.658 min Scan# 895
Delta R.T. -0.007 min
Lab File: VL037968.D
Acq: 2 Nov 2021 15:13

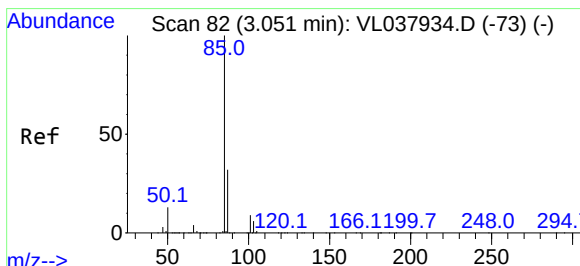
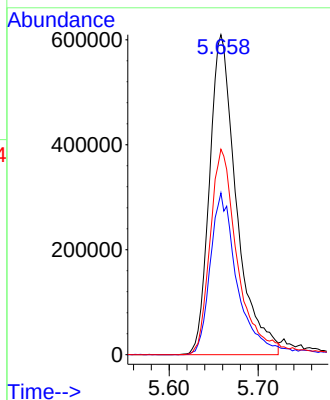
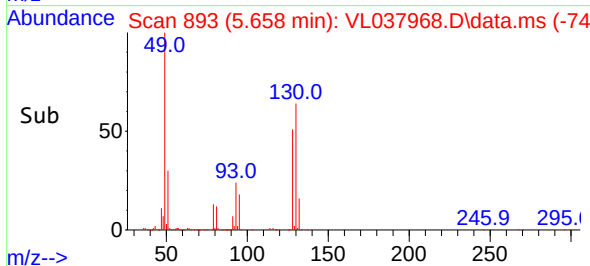
Instrument :
MSVOA_L
ClientSampleId :
IA-1DUP



Tgt Ion: 49 Resp: 1279338
Ion Ratio Lower Upper
49 100
128 52.8 27.0 81.0
130 68.1 33.4 100.2

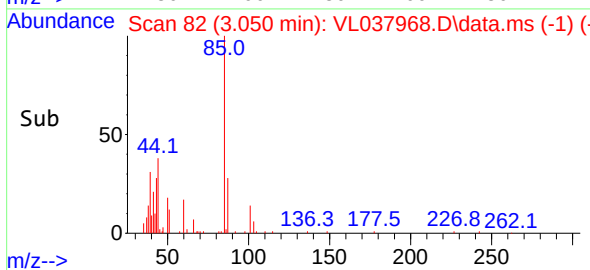
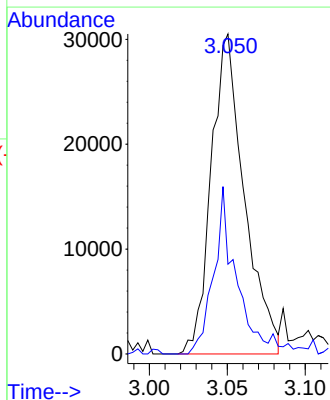
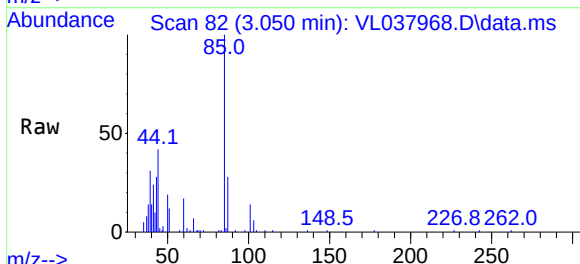
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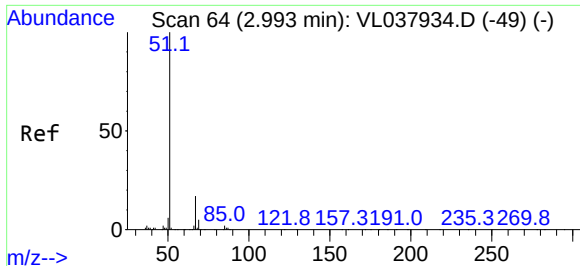
Reviewed By :Semsettin Yesilyurt 11/05/2021
Supervised By :Mahesh Dadoda 11/09/2021



#2
Dichlorodifluoromethane
Concen: 0.251 ppbv
RT: 3.050 min Scan# 82
Delta R.T. -0.000 min
Lab File: VL037968.D
Acq: 2 Nov 2021 15:13

Tgt Ion: 85 Resp: 45189
Ion Ratio Lower Upper
85 100
87 28.1 25.3 37.9





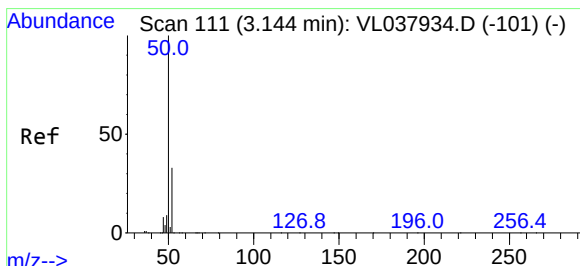
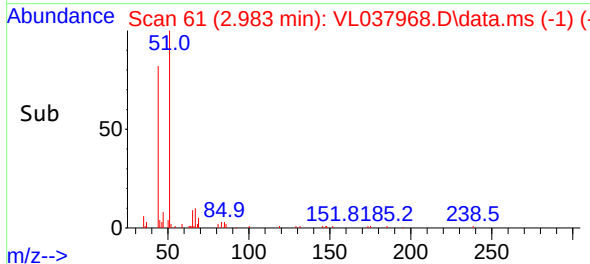
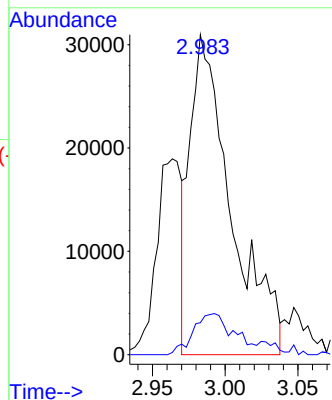
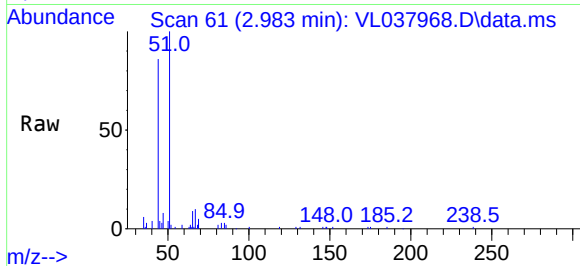
#3
Chlorodifluoromethane
Concen: 0.256 ppbv m
RT: 2.983 min Scan# 61
Delta R.T. -0.010 min
Lab File: VL037968.D
Acq: 2 Nov 2021 15:13

Instrument :
MSVOA_L
ClientSampleId :
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Tgt Ion: 51 Resp: 6106
Ion Ratio Lower Upper
51 100
67 14.8 13.4 20.0

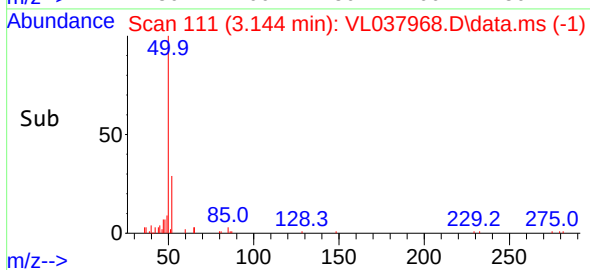
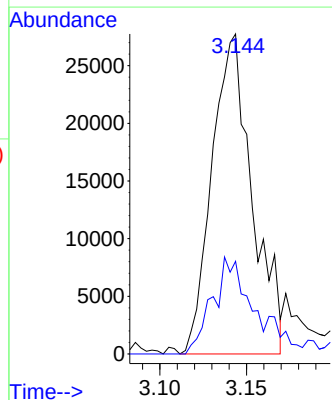
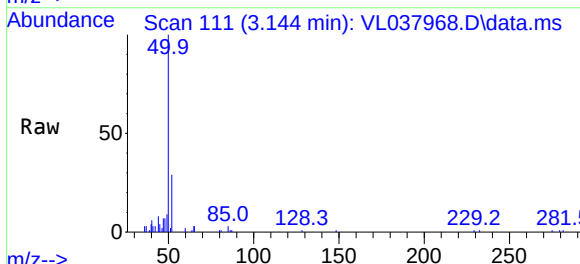
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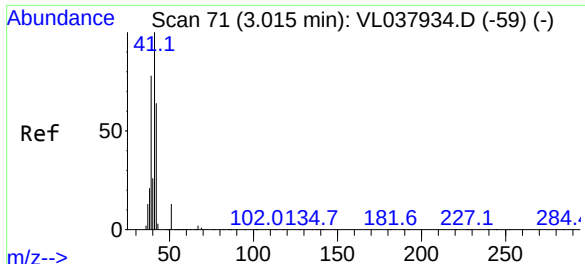
Reviewed By :Semsettin Yesilyurt 11/05/2021
Supervised By :Mahesh Dadoda 11/09/2021



#4
Chloromethane
Concen: 0.496 ppbv
RT: 3.144 min Scan# 111
Delta R.T. -0.000 min
Lab File: VL037968.D
Acq: 2 Nov 2021 15:13

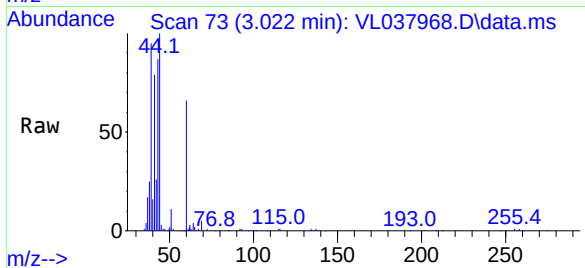
Tgt Ion: 50 Resp: 44893
Ion Ratio Lower Upper
50 100
52 28.9 26.3 39.5





#9
Propene
Concen: 0.979 ppbv
RT: 3.022 min Scan# 71
Delta R.T. 0.006 min
Lab File: VL037968.D
Acq: 2 Nov 2021 15:13

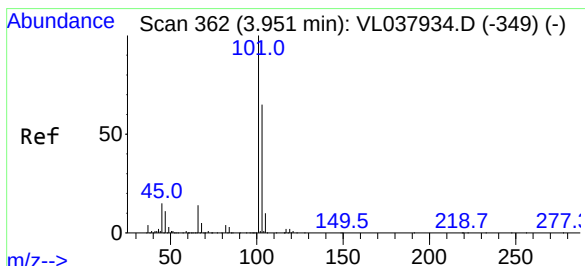
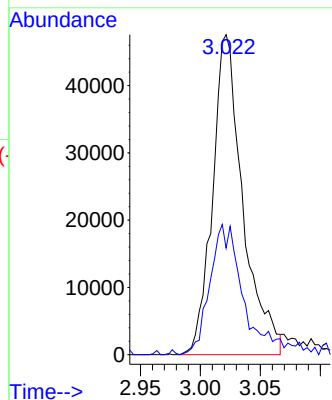
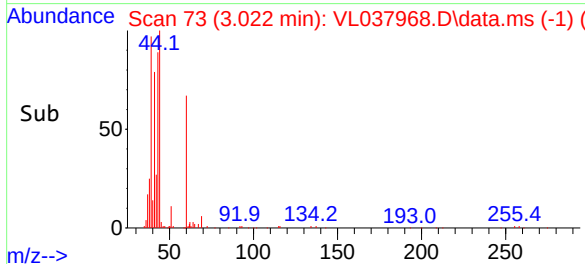
Instrument :
MSVOA_L
ClientSampleId :
IA-1DUP



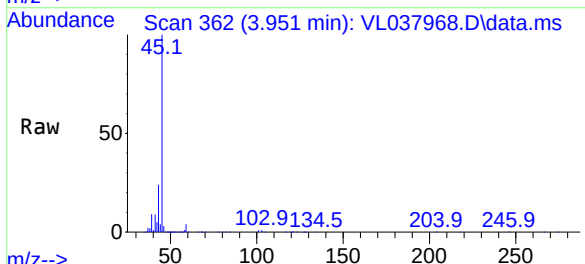
Tgt Ion: 41 Resp: 83604
Ion Ratio Lower Upper
41 100
42 47.0 57.6 86.4

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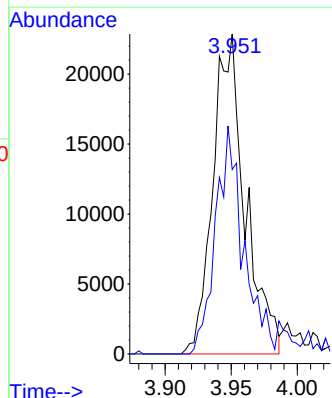
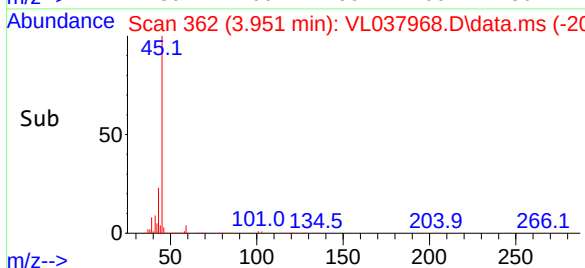
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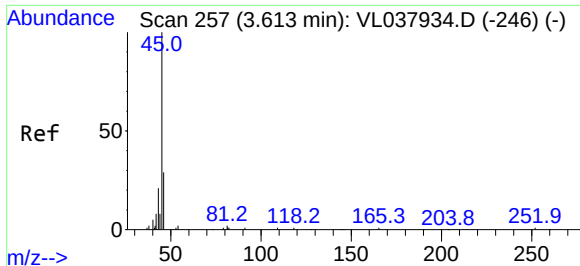


#11
Trichlorofluoromethane
Concen: 0.215 ppbv m
RT: 3.951 min Scan# 362
Delta R.T. -0.000 min
Lab File: VL037968.D
Acq: 2 Nov 2021 15:13



Tgt Ion:101 Resp: 38613
Ion Ratio Lower Upper
101 100
103 57.6 52.0 78.0





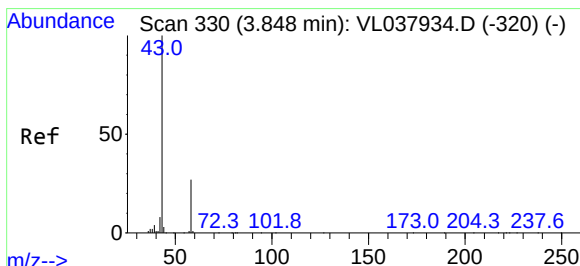
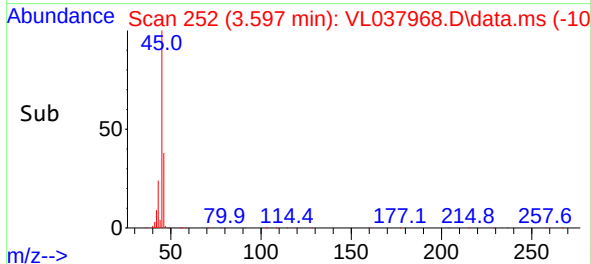
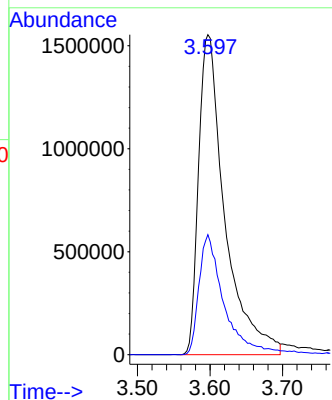
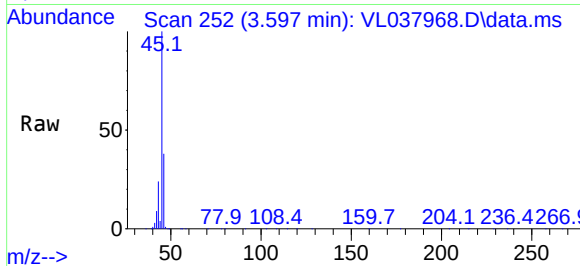
#13
Ethanol
Concen: 452.843 ppbv
RT: 3.597 min Scan# 21
Delta R.T. -0.016 min
Lab File: VL037968.D
Acq: 2 Nov 2021 15:13

Instrument :
MSVOA_L
ClientSampleId :
IA-1DUP

Tgt Ion: 45 Resp: 3900978
Ion Ratio Lower Upper
45 100
46 36.5 17.4 69.8

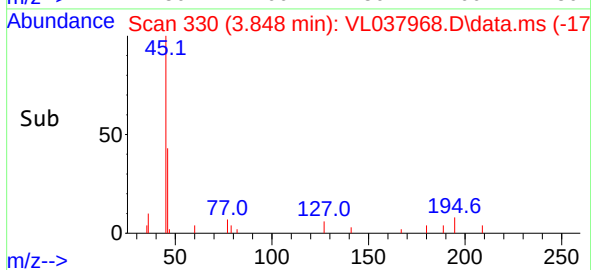
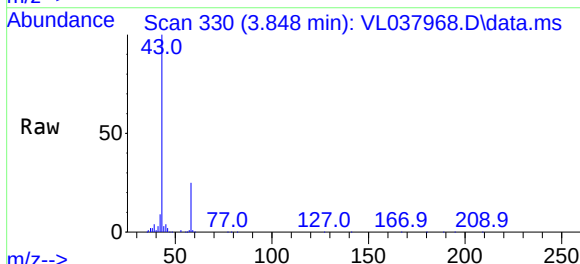
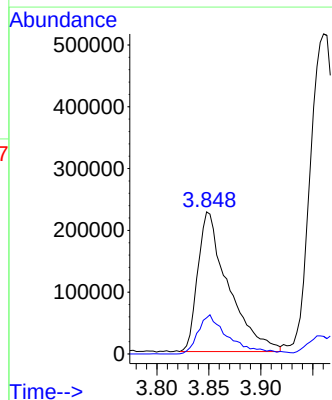
Manual Integrations
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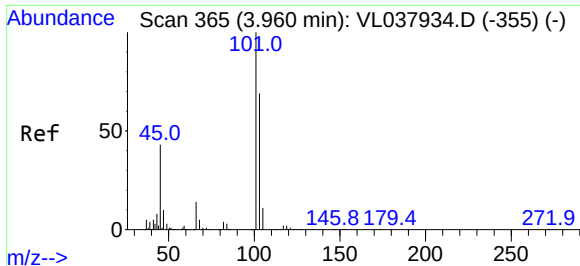
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Supervised By :Mahesh Dadoda 11/09/2021



#15
Acetone
Concen: 4.353 ppbv
RT: 3.848 min Scan# 330
Delta R.T. -0.000 min
Lab File: VL037968.D
Acq: 2 Nov 2021 15:13

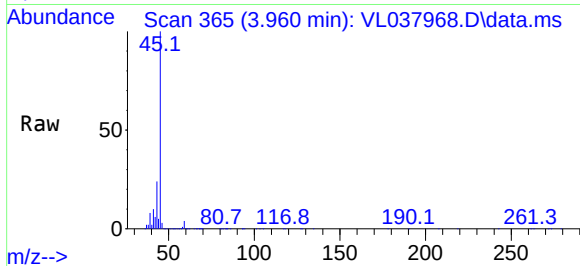
Tgt Ion: 43 Resp: 460198
Ion Ratio Lower Upper
43 100
58 28.2 23.3 34.9





#19
Isopropyl Alcohol
Concen: 73.966 ppbv
RT: 3.960 min Scan# 30
Delta R.T. -0.000 min
Lab File: VL037968.D
Acq: 2 Nov 2021 15:13

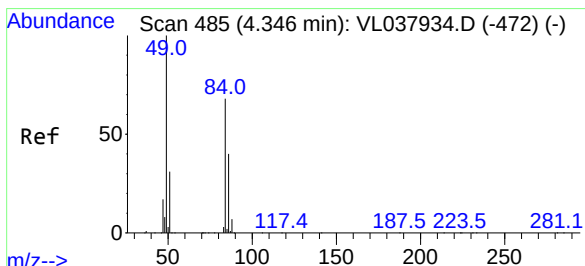
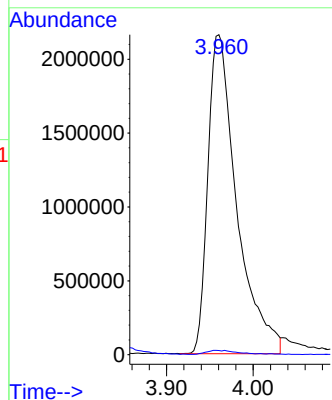
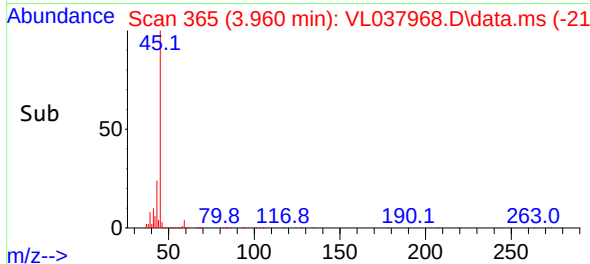
Instrument :
MSVOA_L
ClientSampleId :
IA-1DUP



Tgt Ion: 45 Resp: 500035
Ion Ratio Lower Upper
45 100
58 1.9 4.0 6.0

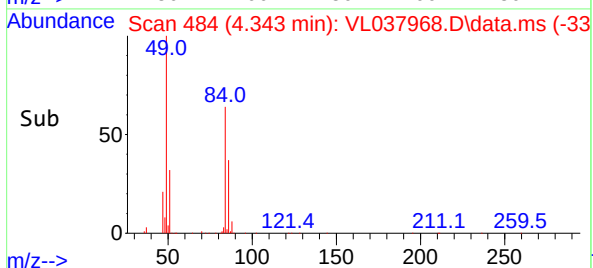
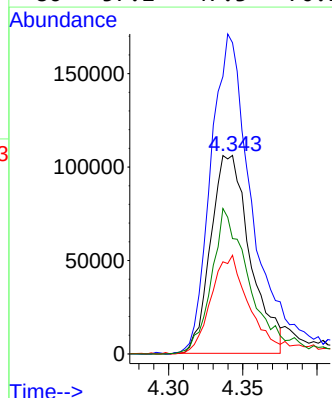
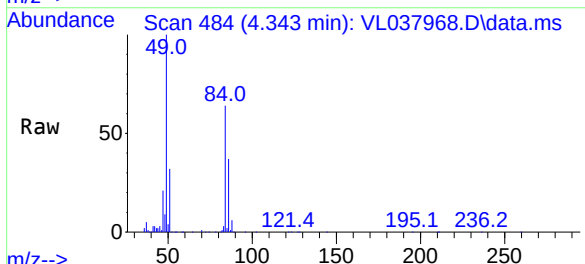
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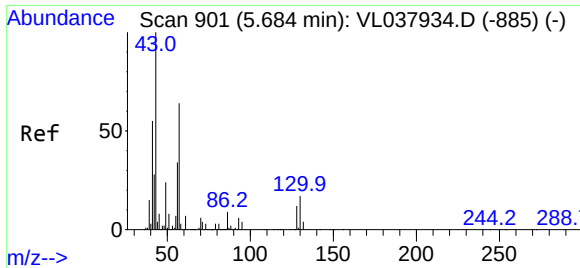
Reviewed By :Semsettin Yesilyurt 11/05/2021
Supervised By :Mahesh Dadoda 11/09/2021



#20
Methylene Chloride
Concen: 3.375 ppbv
RT: 4.343 min Scan# 484
Delta R.T. -0.003 min
Lab File: VL037968.D
Acq: 2 Nov 2021 15:13

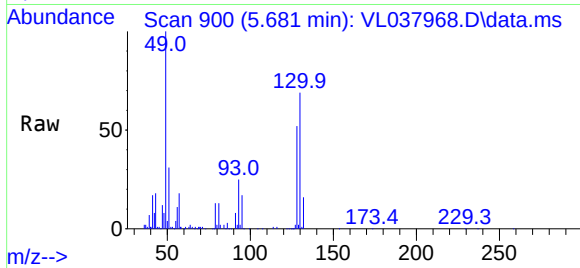
Tgt Ion: 84 Resp: 195876
Ion Ratio Lower Upper
84 100
49 156.3 117.5 176.3
51 49.5 35.9 53.9
86 57.2 47.3 70.9





#26
Hexane
Concen: 0.473 ppbv m
RT: 5.681 min Scan# 901
Delta R.T. -0.003 min
Lab File: VL037968.D
Acq: 2 Nov 2021 15:13

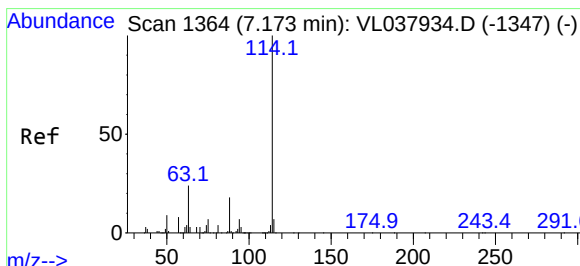
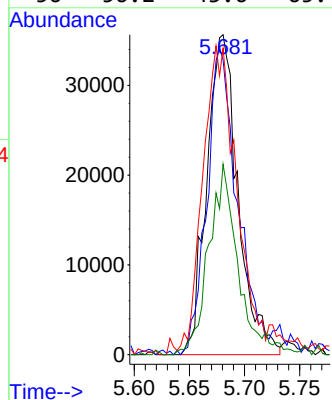
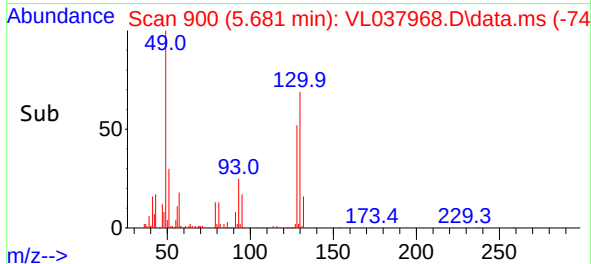
Instrument :
MSVOA_L
ClientSampleId :
IA-1DUP



Tgt Ion: 57 Resp: 7033
Ion Ratio Lower Upper
57 100
41 101.2 71.0 106.6
43 112.3 173.0 259.6
56 56.2 43.6 65.4

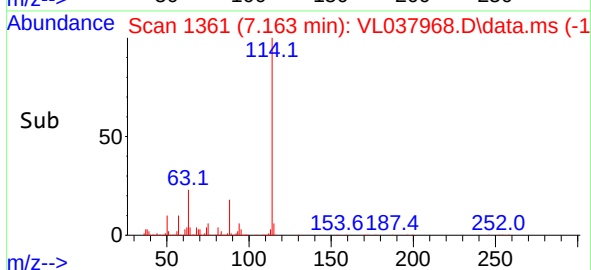
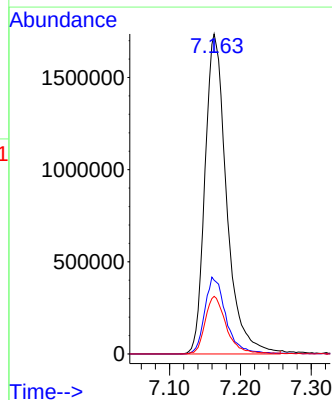
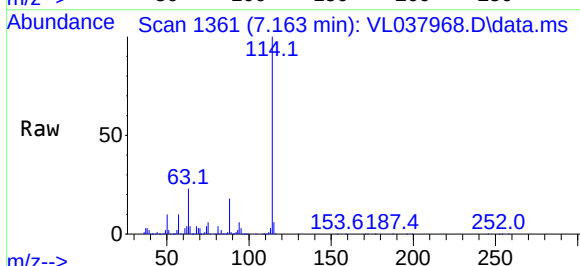
Manual Integrations
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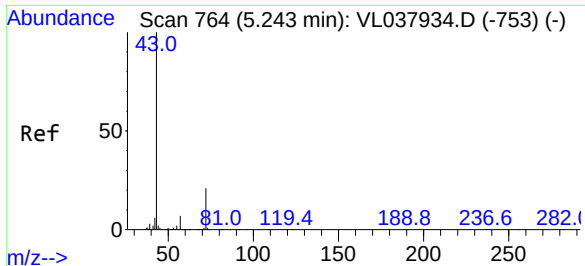
Reviewed By :Semsettin Yesilyurt 11/05/2021
Supervised By :Mahesh Dadoda 11/09/2021



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.163 min Scan# 1361
Delta R.T. -0.010 min
Lab File: VL037968.D
Acq: 2 Nov 2021 15:13

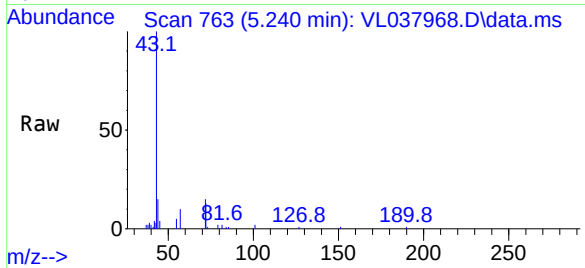
Tgt Ion:114 Resp: 3679501
Ion Ratio Lower Upper
114 100
63 23.8 19.4 29.0
88 17.8 14.2 21.4





#34
2-Butanone
Concen: 0.264 ppbv m
RT: 5.240 min Scan# 764
Delta R.T. -0.003 min
Lab File: VL037968.D
Acq: 2 Nov 2021 15:13

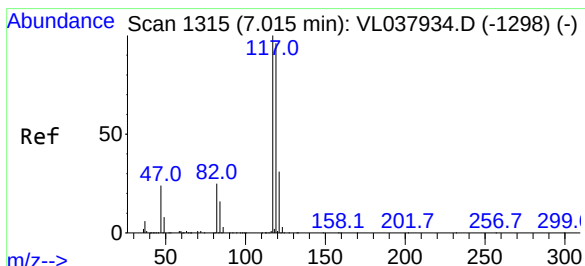
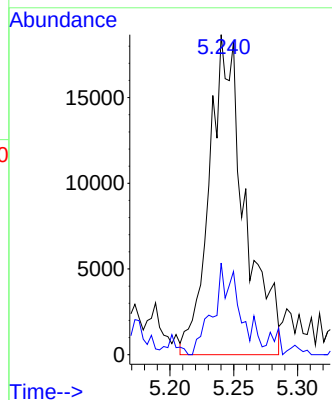
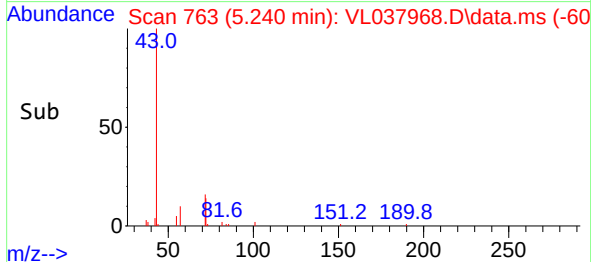
Instrument :
MSVOA_L
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IA-1DUP



Tgt Ion: 43 Resp: 35970
Ion Ratio Lower Upper
43 100
72 26.3 18.3 27.5

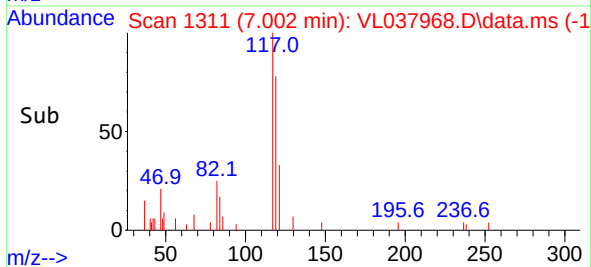
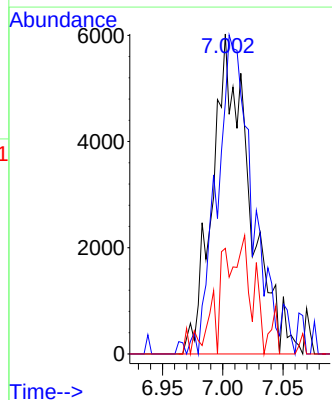
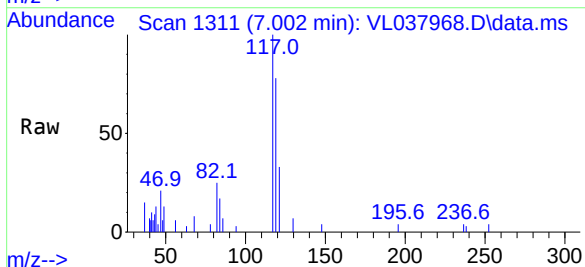
Manual Integrations
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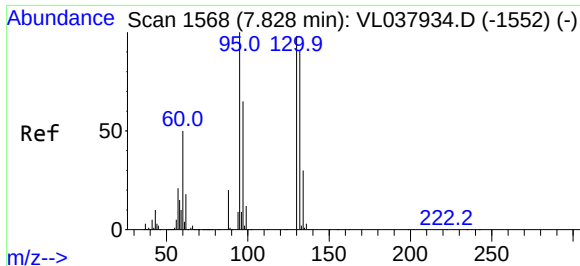
Reviewed By :Semsettin Yesilyurt 11/05/2021
Supervised By :Mahesh Dadoda 11/09/2021



#35
Carbon Tetrachloride
Concen: 0.056 ppbv m
RT: 7.002 min Scan# 1311
Delta R.T. -0.013 min
Lab File: VL037968.D
Acq: 2 Nov 2021 15:13

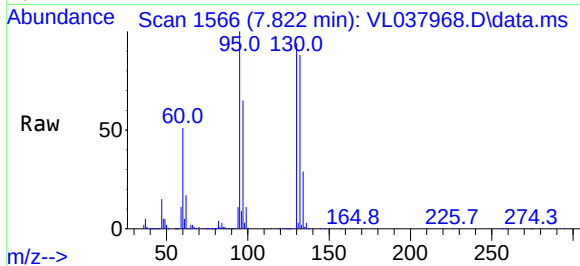
Tgt Ion:117 Resp: 12527
Ion Ratio Lower Upper
117 100
119 78.5 76.6 114.8
121 33.0 25.1 37.7





#38
 Trichloroethene
 Concen: 45.544 ppbv
 RT: 7.822 min Scan# 1
 Delta R.T. -0.007 min
 Lab File: VL037968.D
 Acq: 2 Nov 2021 15:13

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-1DUP

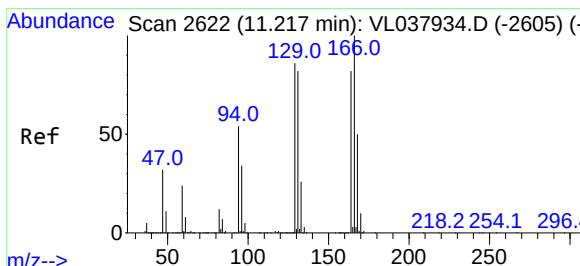
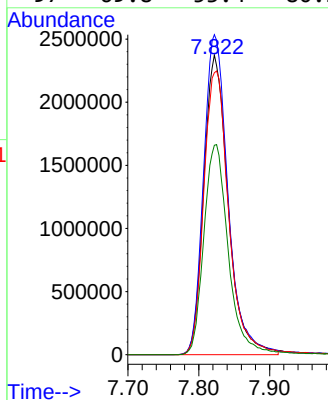
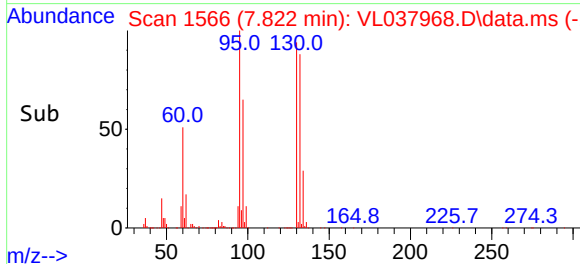


Tgt Ion:130 Resp: 566415

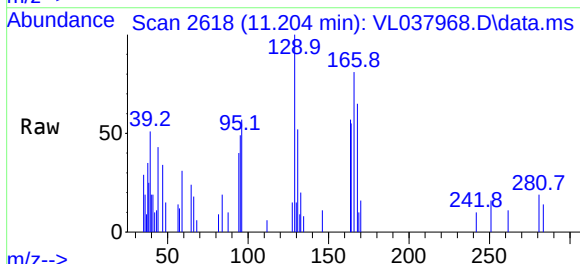
Ion	Ratio	Lower	Upper
130	100		
95	106.7	81.8	122.8
132	94.1	74.2	111.2
97	69.8	53.4	80.2

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 Supervised By :Mahesh Dadoda 11/09/2021

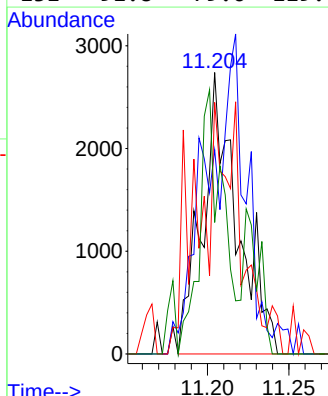
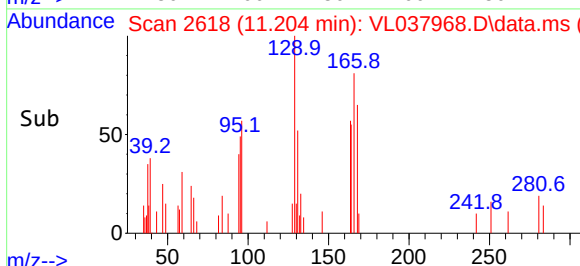


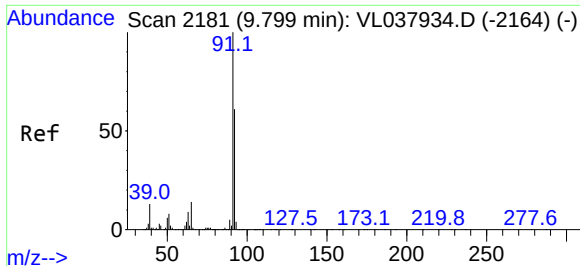
#52
 Tetrachloroethene
 Concen: 0.036 ppbv m
 RT: 11.204 min Scan# 2618
 Delta R.T. -0.013 min
 Lab File: VL037968.D
 Acq: 2 Nov 2021 15:13



Tgt Ion:164 Resp: 4091

Ion	Ratio	Lower	Upper
164	100		
166	142.5	97.6	146.4
129	175.6	84.2	126.2#
131	91.8	79.6	119.4





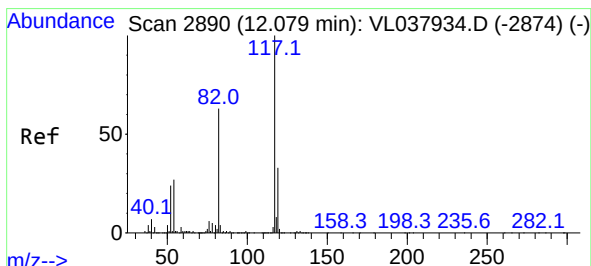
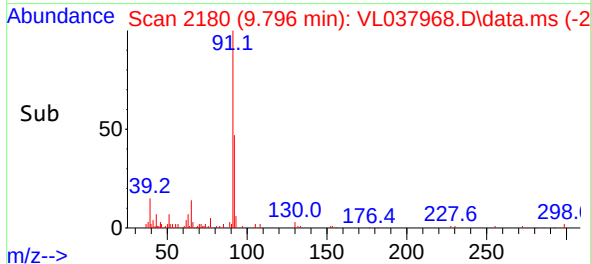
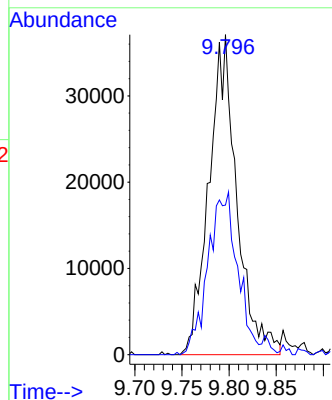
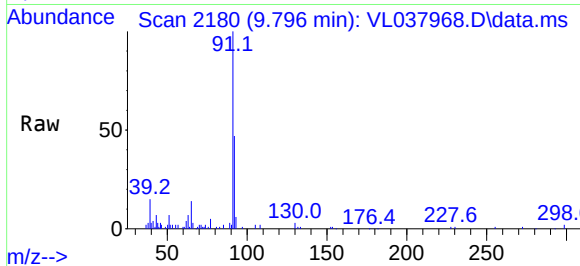
#53
Toluene
Concen: 0.238 ppbv m
RT: 9.796 min Scan# 2181
Delta R.T. -0.003 min
Lab File: VL037968.D
Acq: 2 Nov 2021 15:13

Instrument :
MSVOA_L
ClientSampleId :
IA-1DUP

Tgt Ion: 91 Resp: 7632
Ion Ratio Lower Upper
91 100
92 0.0 48.2 72.4

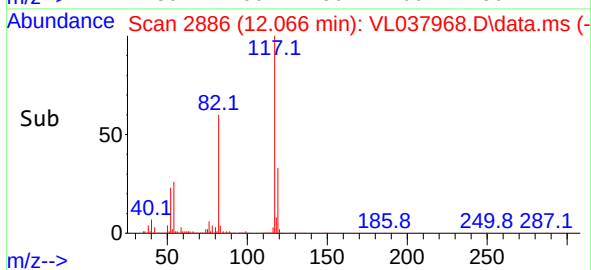
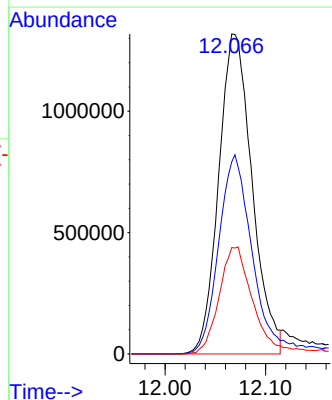
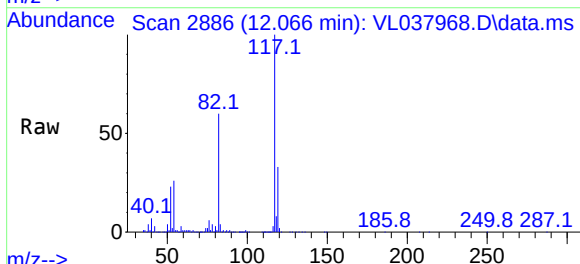
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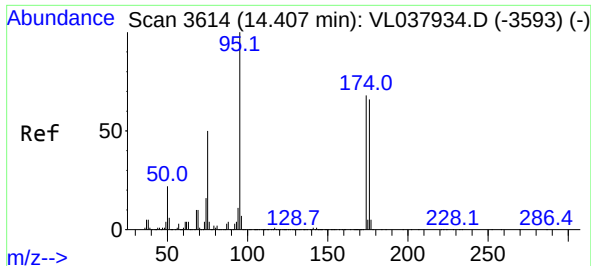
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#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.066 min Scan# 2886
Delta R.T. -0.013 min
Lab File: VL037968.D
Acq: 2 Nov 2021 15:13

Tgt Ion:117 Resp: 3044308
Ion Ratio Lower Upper
117 100
82 66.0 51.0 76.6
119 36.1 26.9 40.3





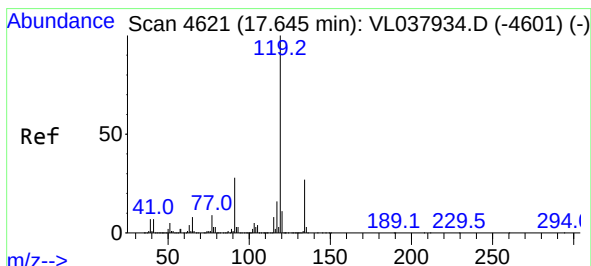
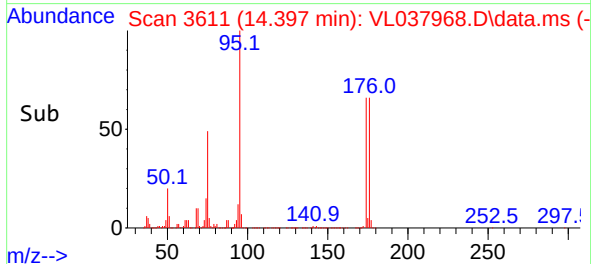
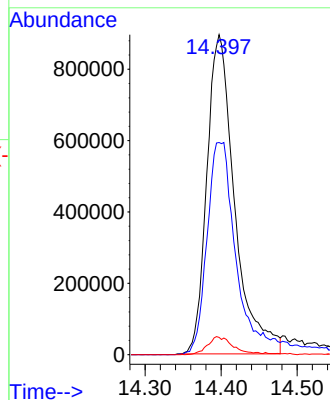
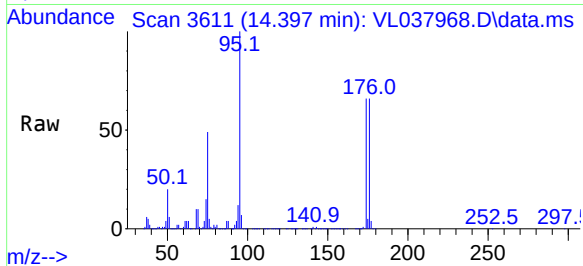
#68
1-Bromo-4-Fluorobenzene
Concen: 10.274 ppbv
RT: 14.397 min Scan# 30
Delta R.T. -0.010 min
Lab File: VL037968.D
Acq: 2 Nov 2021 15:13

Instrument :
MSVOA_L
ClientSampleId :
IA-1DUP

Tgt Ion: 95 Resp: 2273618
Ion Ratio Lower Upper
95 100
174 75.3 58.3 87.5
175 5.5 4.6 6.8

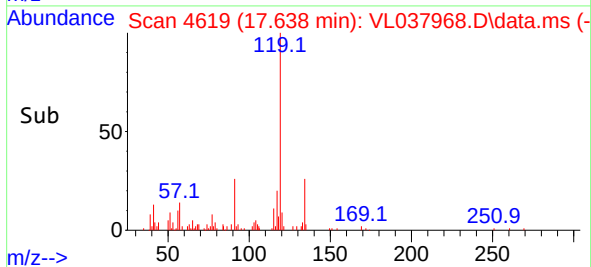
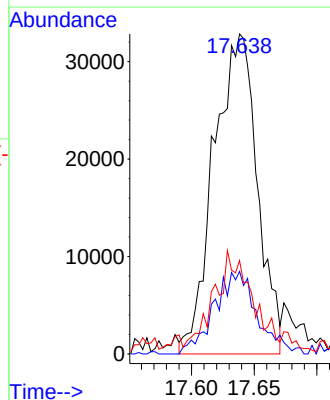
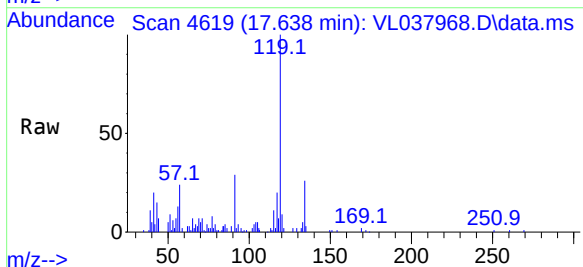
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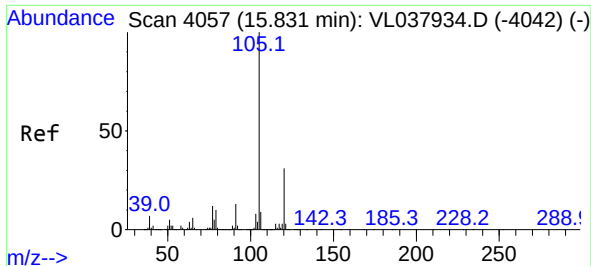
Reviewed By :Semsettin Yesilyurt 11/05/2021
Supervised By :Mahesh Dadoda 11/09/2021



#69
p-Isopropyltoluene
Concen: 0.183 ppbv m
RT: 17.638 min Scan# 4619
Delta R.T. -0.006 min
Lab File: VL037968.D
Acq: 2 Nov 2021 15:13

Tgt Ion:119 Resp: 78977
Ion Ratio Lower Upper
119 100
134 26.7 21.0 31.4
91 30.1 21.8 32.8





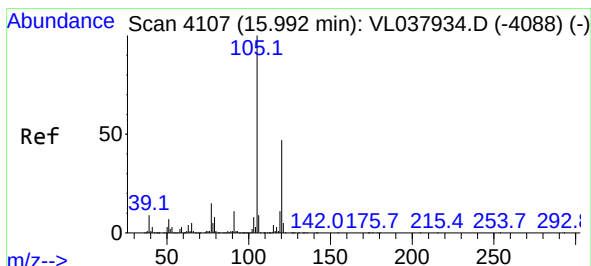
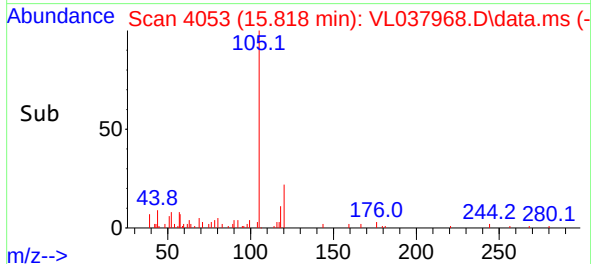
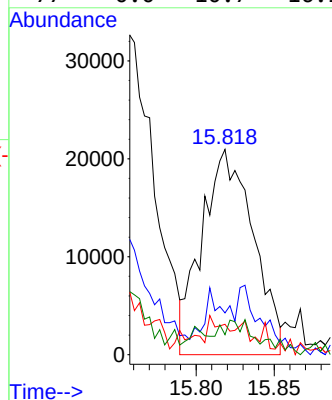
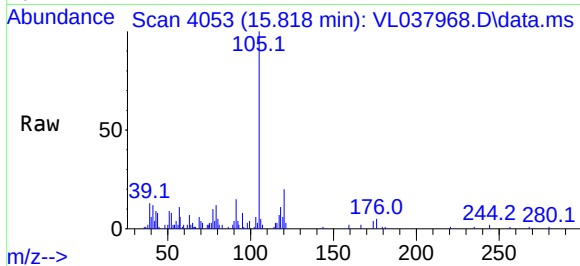
#72
4-Ethyltoluene
Concen: 0.134 ppbv m
RT: 15.818 min Scan# 4053
Delta R.T. -0.013 min
Lab File: VL037968.D
Acq: 2 Nov 2021 15:13

Instrument :
MSVOA_L
ClientSampleId :
IA-1DUP

Tgt Ion:105 Resp: 47904
Ion Ratio Lower Upper
105 100
120 0.0 25.3 37.9
91 17.0 9.9 14.9
77 0.0 10.7 16.1

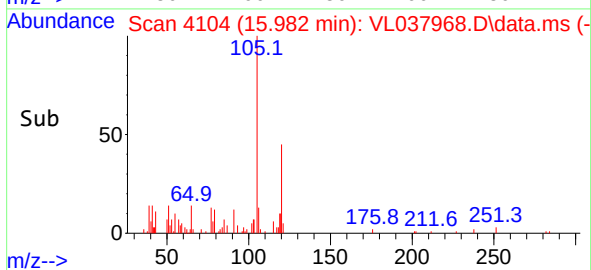
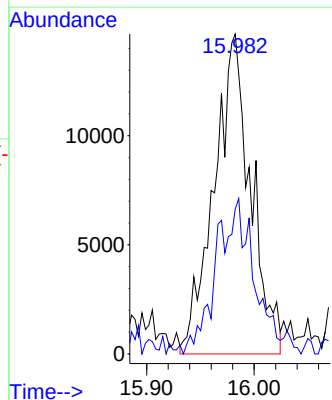
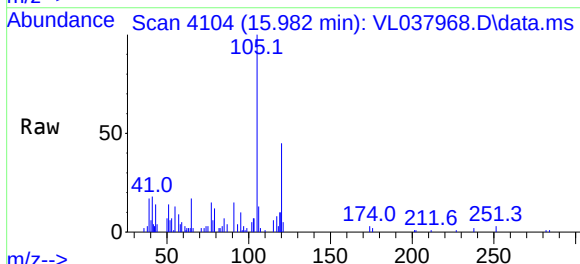
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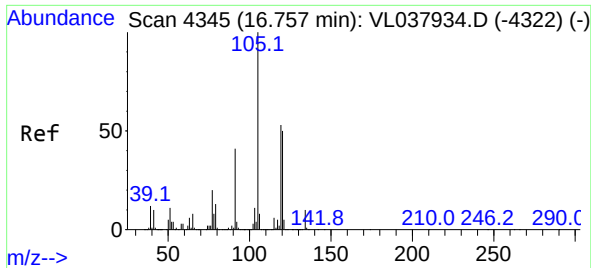
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Supervised By :Mahesh Dadoda 11/09/2021



#73
1,3,5-Trimethylbenzene
Concen: 0.104 ppbv m
RT: 15.982 min Scan# 4104
Delta R.T. -0.010 min
Lab File: VL037968.D
Acq: 2 Nov 2021 15:13

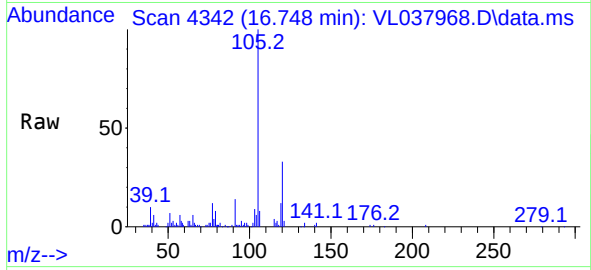
Tgt Ion:105 Resp: 34764
Ion Ratio Lower Upper
105 100
120 45.3 37.9 56.9





#74
 1,2,4-Trimethylbenzene
 Concen: 0.349 ppbv
 RT: 16.748 min Scan# 41
 Delta R.T. -0.010 min
 Lab File: VL037968.D
 Acq: 2 Nov 2021 15:13

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-1DUP



Tgt Ion:105 Resp: 122540

Ion	Ratio	Lower	Upper
105	100		
120	32.3	40.0	60.0
91	12.9	32.6	49.0
77	11.2	15.8	23.8

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 Supervised By :Mahesh Dadoda 11/09/2021

