

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031722\
 Data File : VL038630.D
 Acq On : 17 Mar 2022 17:35
 Operator : SY/AP
 Sample : N1976-03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 AA-1A

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 03/19/2022
 Supervised By :Mahesh Dadoda 03/21/2022

Quant Time: Mar 18 03:35:32 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030822AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Mar 0

QLast Update : Tue Mar 08 21:18:44 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.671	49	833403	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	7.179	114	2160321	10.000	ppbv	0.02
55) Chlorobenzene-d5	12.089	117	1865442	10.000	ppbv	# 0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.416	95	1328877	9.370	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.700%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	3.060	85	25088	0.199	ppbv	93
3) Chlorodifluoromethane	2.996	51	55953	0.381	ppbv #	86
4) Chloromethane	3.150	50	27840	0.511	ppbv	93
9) Propene	3.025	41	49573	0.956	ppbv	86
10) Heptane	8.127	43	15471	0.125	ppbv	89
11) Trichlorofluoromethane	3.957	101	23942	0.217	ppbv	88
13) Ethanol	3.610	45	261876	43.965	ppbv	94
15) Acetone	3.857	43	310466m	5.281	ppbv	
19) Isopropyl Alcohol	3.980	45	65311	1.664	ppbv #	92
20) Methylene Chloride	4.353	84	325504	9.201	ppbv	99
26) Hexane	5.693	57	445770	4.795	ppbv #	45
34) 2-Butanone	5.253	43	63645m	1.137	ppbv	
35) Carbon Tetrachloride	7.021	117	9256	0.063	ppbv	93
36) Benzene	6.896	78	45266	0.232	ppbv	99
44) 2,2,4-Trimethylpentane	7.870	57	36768m	0.112	ppbv	
52) Tetrachloroethene	11.224	164	2401m	0.034	ppbv	
53) Toluene	9.809	91	1291976	6.208	ppbv	99
59) m/p-Xylene	12.966	91	51585m	0.249	ppbv	

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

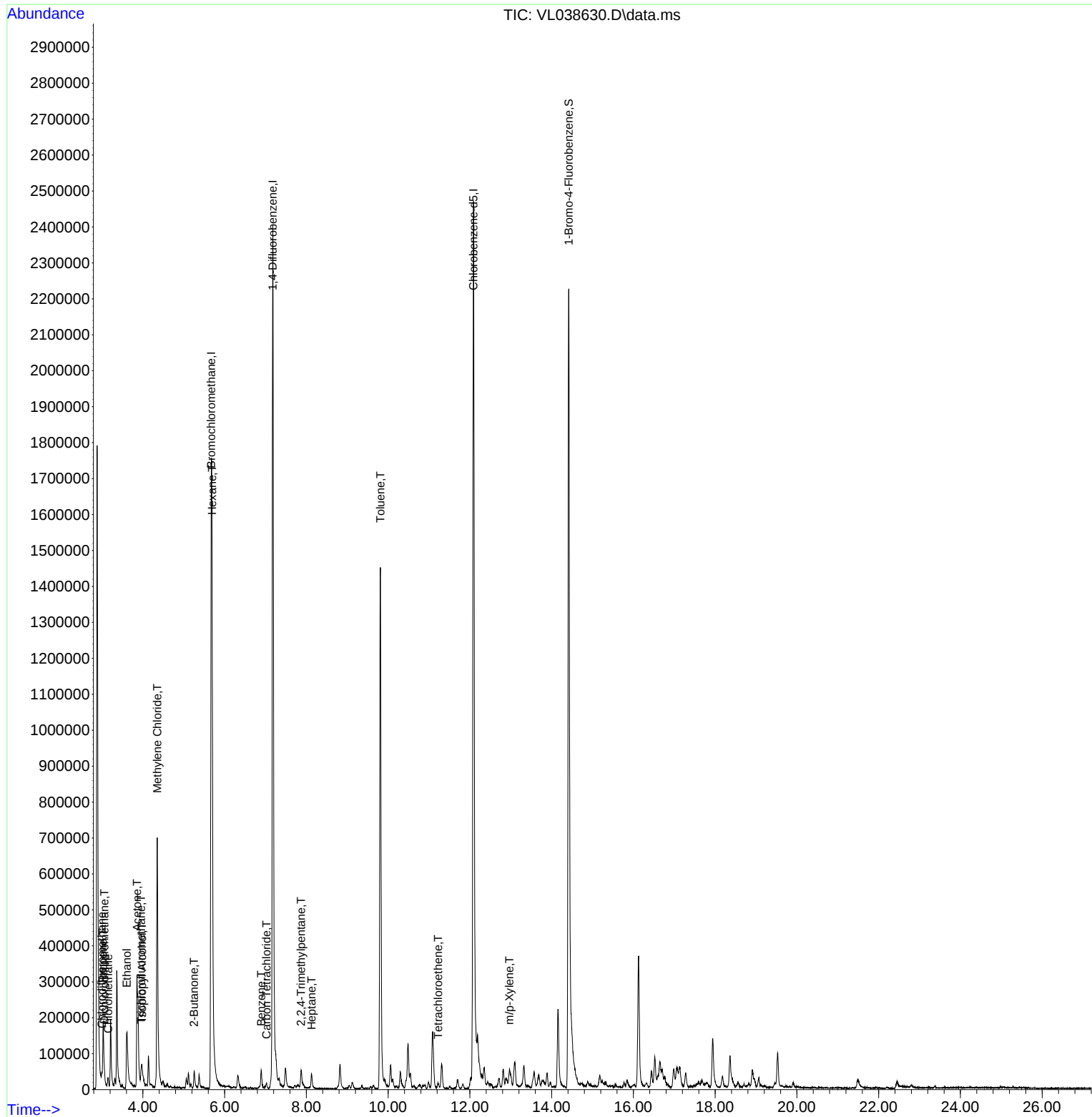
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031722\
Data File : VL038630.D
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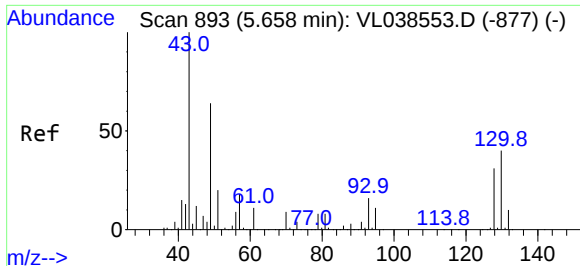
Instrument :
MSVOA_L
ClientSampleId :
AA-1A

Quant Time: Mar 18 03:35:32 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030822AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Mar
QLast Update : Tue Mar 08 21:18:44 2022
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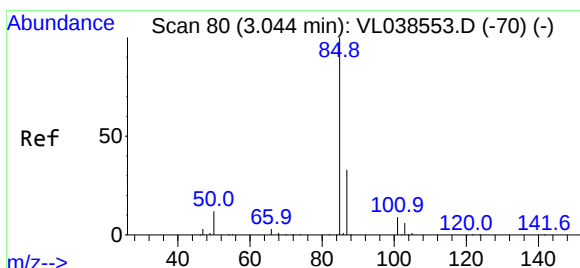
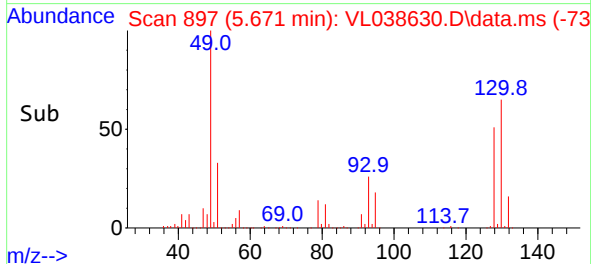
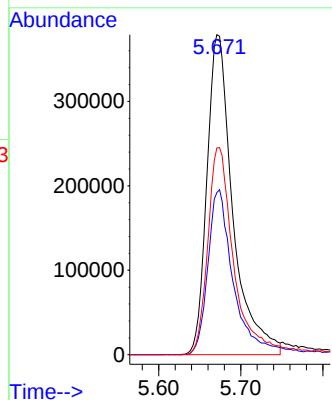
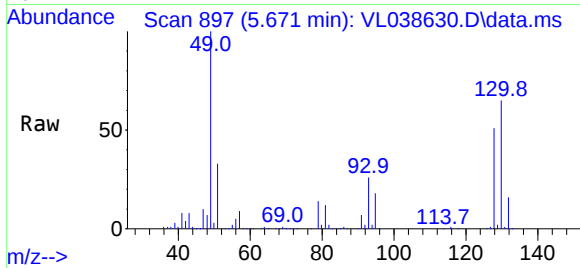
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.671 min Scan# 89
Delta R.T. 0.013 min
Lab File: VL038630.D
Acq: 17 Mar 2022 17:35

Instrument :
MSVOA_L
ClientSampleId :
AA-1A

Tgt Ion: 49 Resp: 83340
Ion Ratio Lower Upper
49 100
128 53.3 26.4 79.2
130 68.1 33.0 98.9

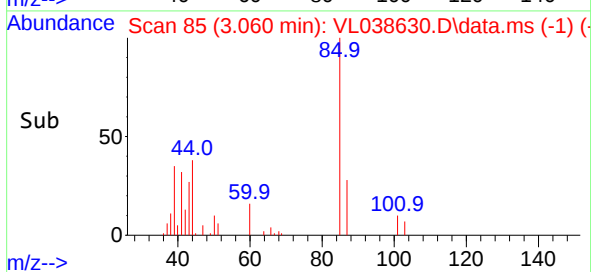
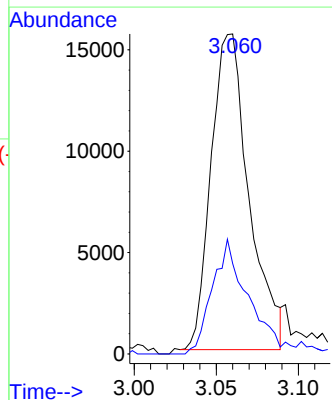
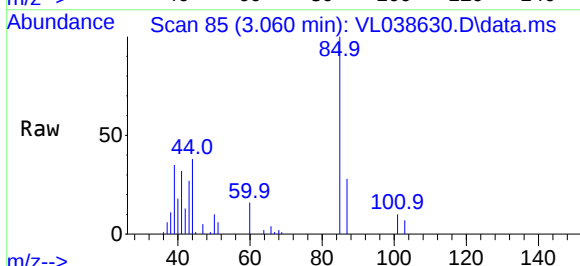
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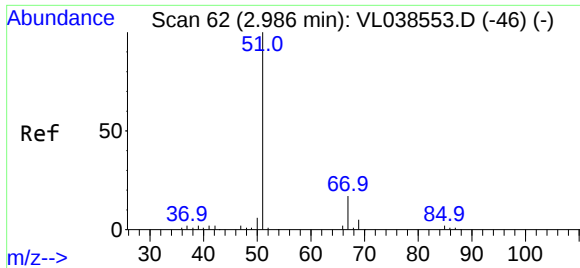
Reviewed By :Semsettin Yesilyurt 03/19/2022
Supervised By :Mahesh Dadoda 03/21/2022



#2
Dichlorodifluoromethane
Concen: 0.199 ppbv
RT: 3.060 min Scan# 85
Delta R.T. 0.016 min
Lab File: VL038630.D
Acq: 17 Mar 2022 17:35

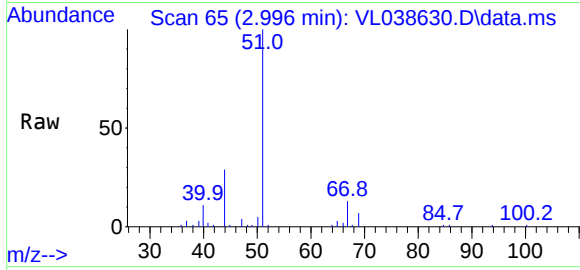
Tgt Ion: 85 Resp: 25088
Ion Ratio Lower Upper
85 100
87 28.6 26.2 39.2





#3
Chlorodifluoromethane
Concen: 0.381 ppbv
RT: 2.996 min Scan# 61
Delta R.T. 0.010 min
Lab File: VL038630.D
Acq: 17 Mar 2022 17:35

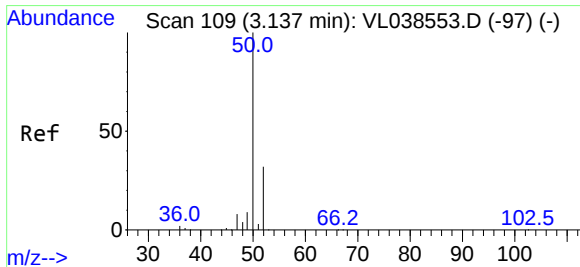
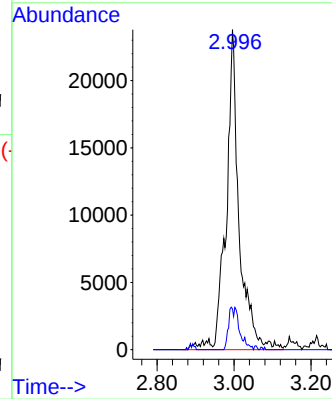
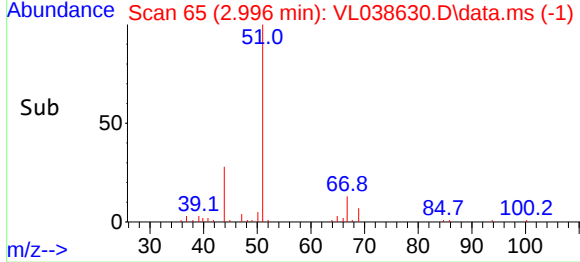
Instrument :
MSVOA_L
ClientSampleId :
AA-1A



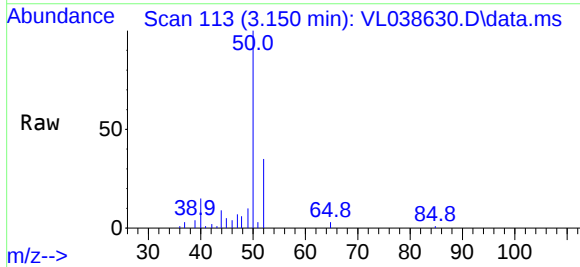
Tgt Ion: 51 Resp: 5595
Ion Ratio Lower Upper
51 100
67 11.1 13.6 20.4

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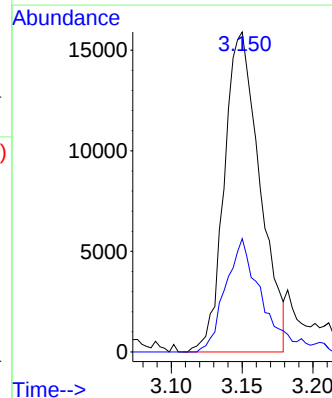
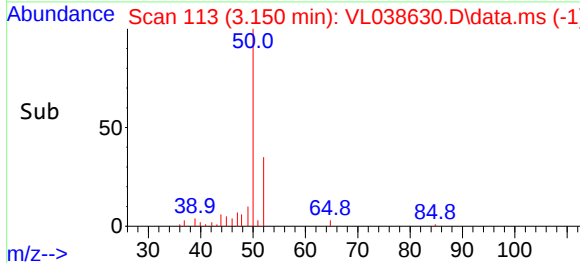
Reviewed By :Semsettin Yesilyurt 03/19/2022
Supervised By :Mahesh Dadoda 03/21/2022

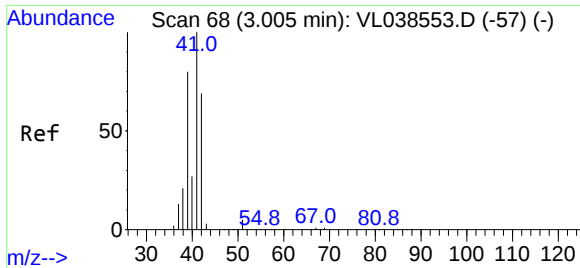


#4
Chloromethane
Concen: 0.511 ppbv
RT: 3.150 min Scan# 113
Delta R.T. 0.013 min
Lab File: VL038630.D
Acq: 17 Mar 2022 17:35



Tgt Ion: 50 Resp: 27840
Ion Ratio Lower Upper
50 100
52 36.2 25.6 38.4





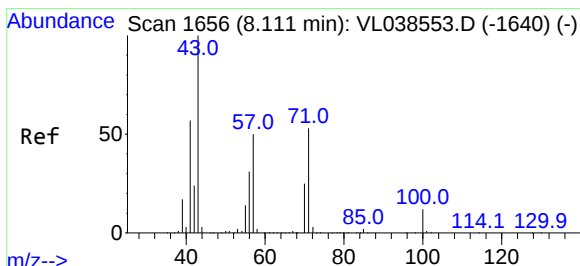
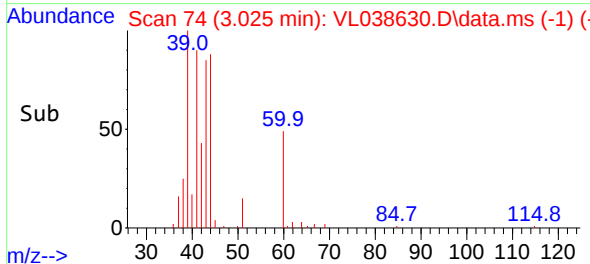
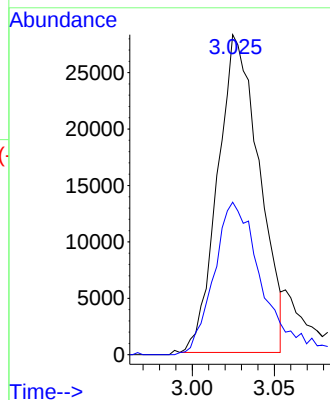
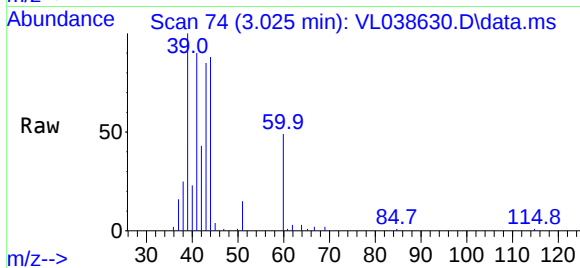
#9
Propene
Concen: 0.956 ppbv
RT: 3.025 min Scan# 74
Delta R.T. 0.019 min
Lab File: VL038630.D
Acq: 17 Mar 2022 17:35

Instrument :
MSVOA_L
ClientSampleId :
AA-1A

Tgt Ion: 41 Resp: 4957
Ion Ratio Lower Upper
41 100
42 57.8 55.7 83.5

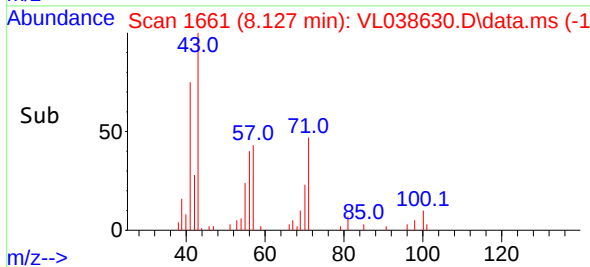
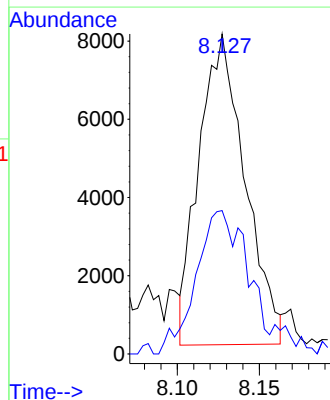
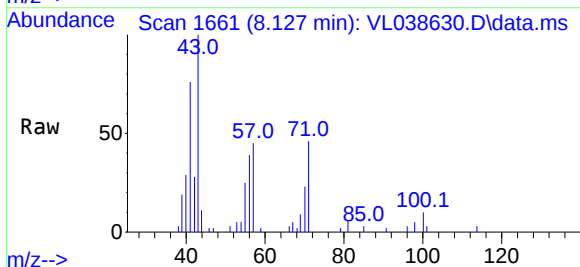
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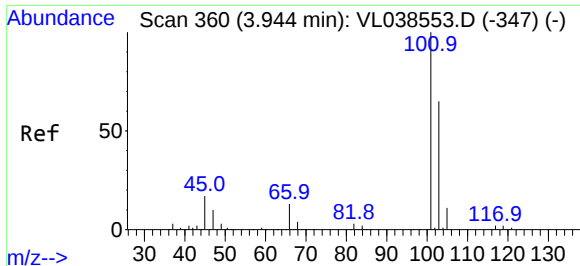
Reviewed By :Semsettin Yesilyurt 03/19/2022
Supervised By :Mahesh Dadoda 03/21/2022



#10
Heptane
Concen: 0.125 ppbv
RT: 8.127 min Scan# 1661
Delta R.T. 0.016 min
Lab File: VL038630.D
Acq: 17 Mar 2022 17:35

Tgt Ion: 43 Resp: 15471
Ion Ratio Lower Upper
43 100
57 57.2 39.6 59.4





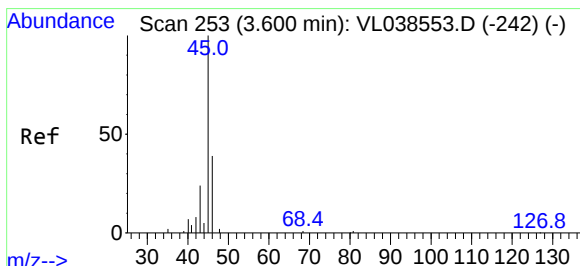
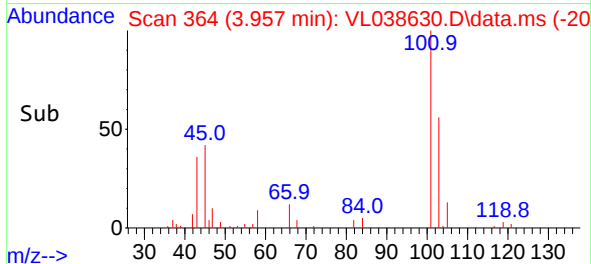
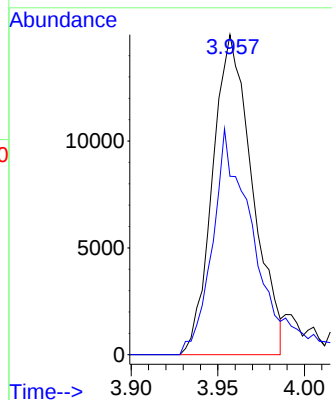
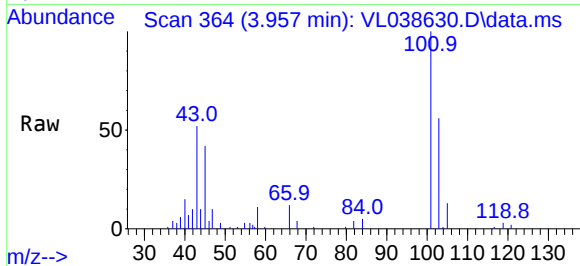
#11
Trichlorofluoromethane
Concen: 0.217 ppbv
RT: 3.957 min Scan# 30
Delta R.T. 0.013 min
Lab File: VL038630.D
Acq: 17 Mar 2022 17:35

Instrument :
MSVOA_L
ClientSampleId :
AA-1A

Tgt Ion:101 Resp: 2394
Ion Ratio Lower Upper
101 100
103 55.8 52.0 78.0

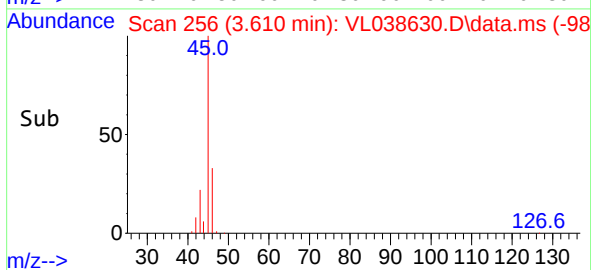
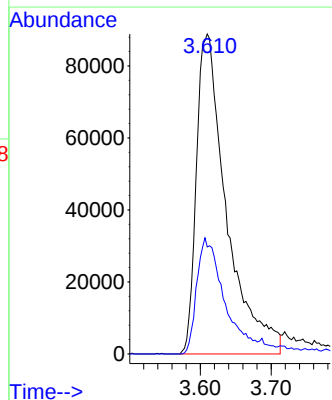
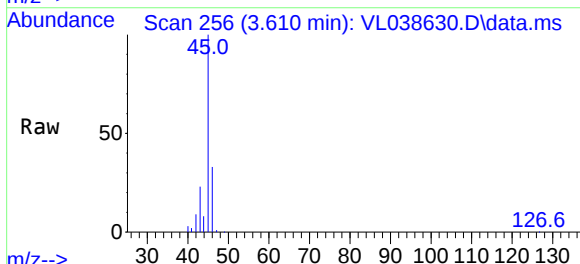
Manual Integrations
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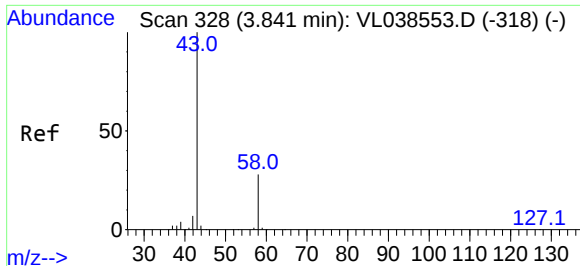
Reviewed By :Semsettin Yesilyurt 03/19/2022
Supervised By :Mahesh Dadoda 03/21/2022



#13
Ethanol
Concen: 43.965 ppbv
RT: 3.610 min Scan# 256
Delta R.T. 0.010 min
Lab File: VL038630.D
Acq: 17 Mar 2022 17:35

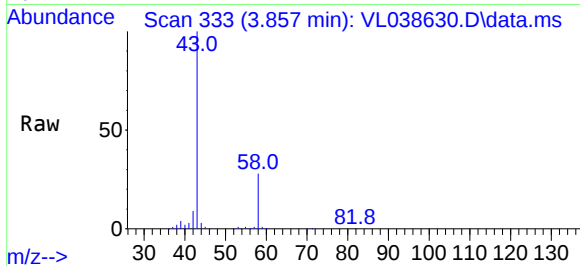
Tgt Ion: 45 Resp: 261876
Ion Ratio Lower Upper
45 100
46 38.1 16.8 67.0





#15
Acetone
Concen: 5.281 ppbv m
RT: 3.857 min Scan# 310
Delta R.T. 0.016 min
Lab File: VL038630.D
Acq: 17 Mar 2022 17:35

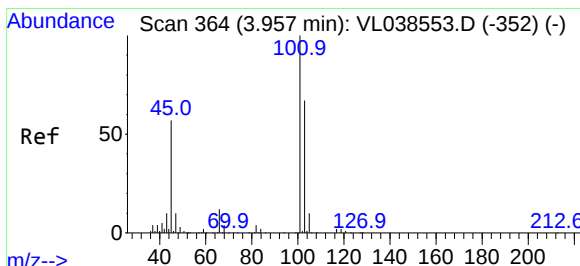
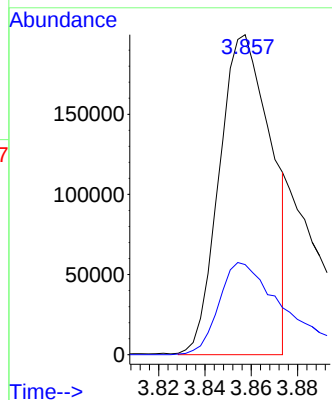
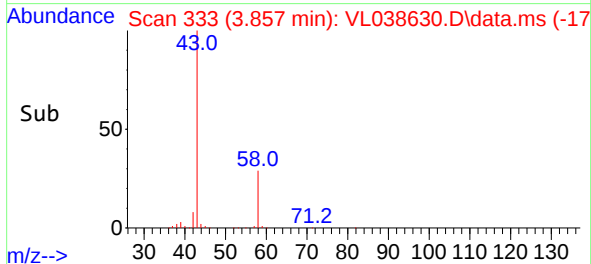
Instrument :
MSVOA_L
ClientSampleId :
AA-1A



Tgt Ion: 43 Resp: 310460
Ion Ratio Lower Upper
43 100
58 41.1 22.7 34.1

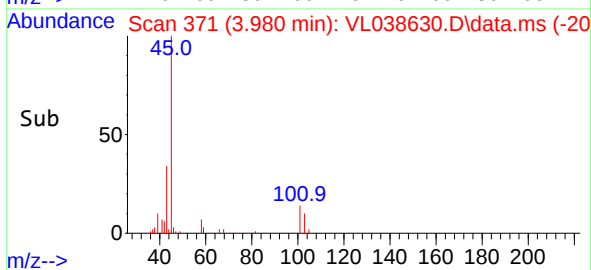
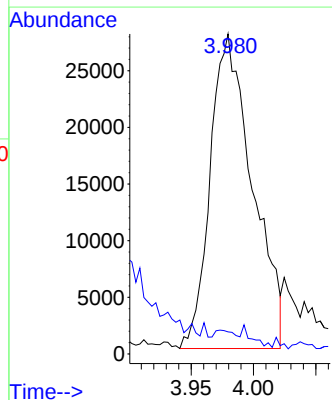
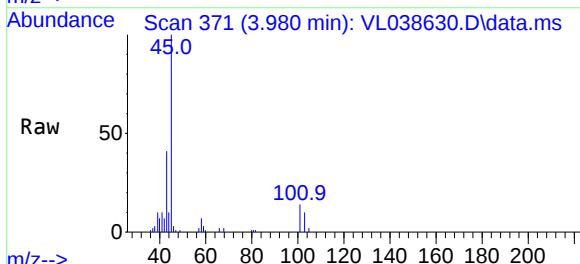
Manual Integrations
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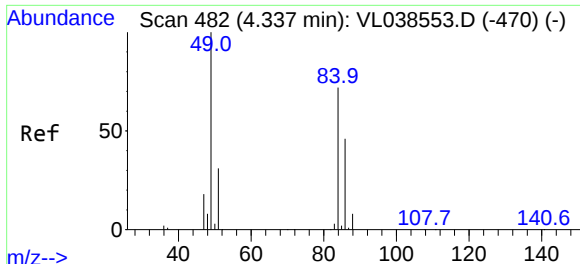
Reviewed By :Semsettin Yesilyurt 03/19/2022
Supervised By :Mahesh Dadoda 03/21/2022



#19
Isopropyl Alcohol
Concen: 1.664 ppbv
RT: 3.980 min Scan# 371
Delta R.T. 0.022 min
Lab File: VL038630.D
Acq: 17 Mar 2022 17:35

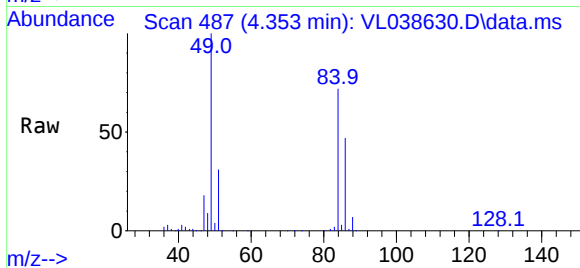
Tgt Ion: 45 Resp: 65311
Ion Ratio Lower Upper
45 100
58 0.0 2.2 3.2#





#20
Methylene Chloride
Concen: 9.201 ppbv
RT: 4.353 min Scan# 41
Delta R.T. 0.016 min
Lab File: VL038630.D
Acq: 17 Mar 2022 17:35

Instrument :
MSVOA_L
ClientSampleId :
AA-1A

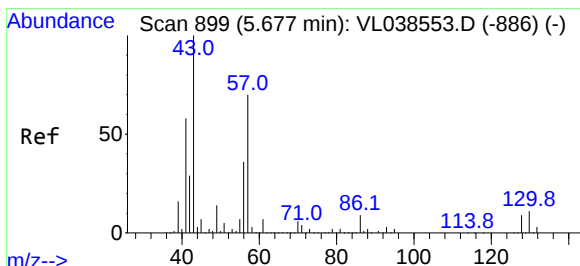
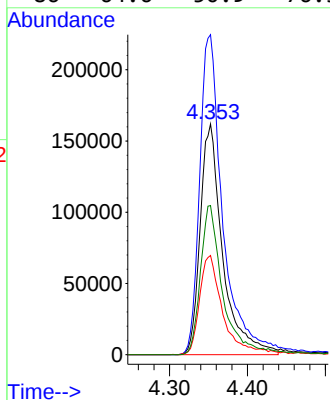
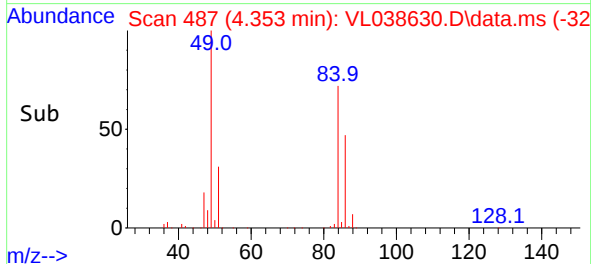


Tgt Ion: 84 Resp: 325504

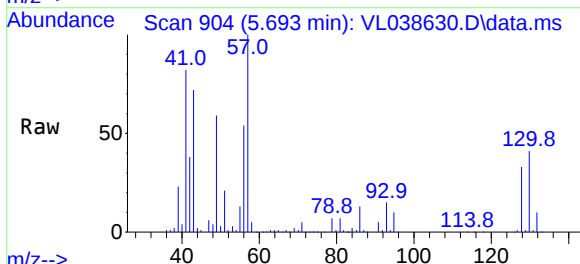
Ion	Ratio	Lower	Upper
84	100		
49	138.7	111.1	166.7
51	43.0	34.0	51.0
86	64.6	50.9	76.3

Manual Integrations
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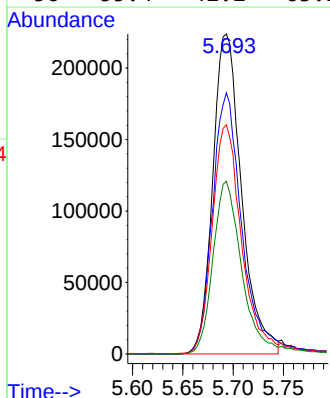
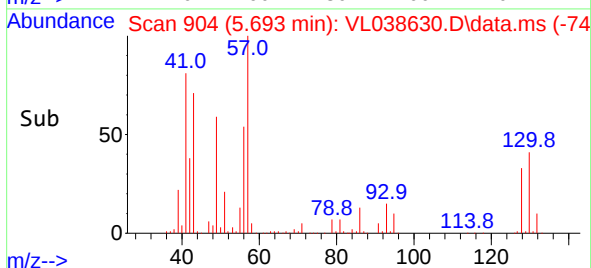


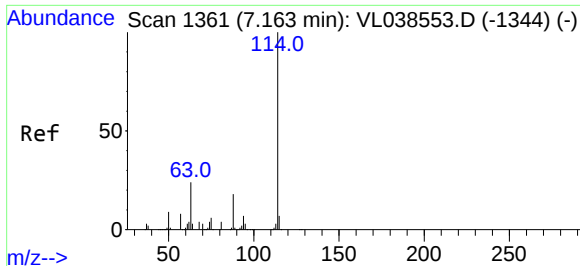
#26
Hexane
Concen: 4.795 ppbv
RT: 5.693 min Scan# 904
Delta R.T. 0.016 min
Lab File: VL038630.D
Acq: 17 Mar 2022 17:35



Tgt Ion: 57 Resp: 445770

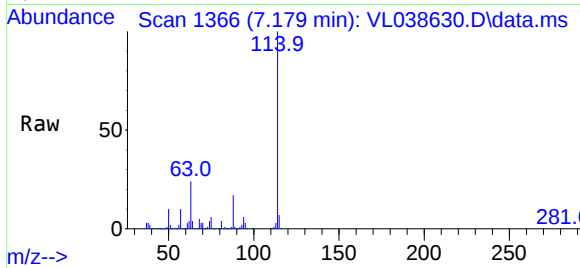
Ion	Ratio	Lower	Upper
57	100		
41	84.8	67.8	101.6
43	74.7	173.6	260.4#
56	55.4	42.2	63.2





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.179 min Scan# 1114
Delta R.T. 0.016 min
Lab File: VL038630.D
Acq: 17 Mar 2022 17:35

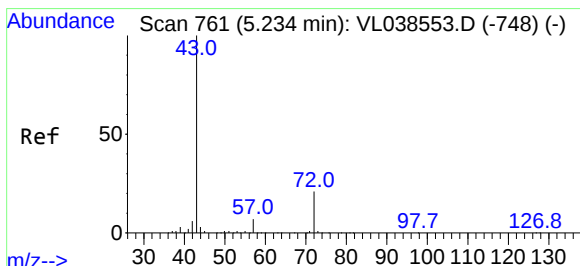
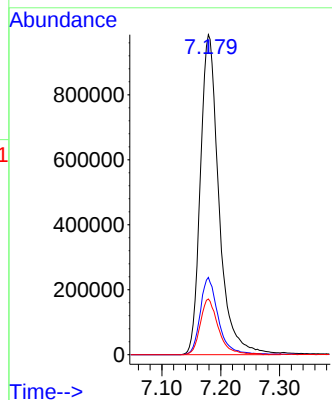
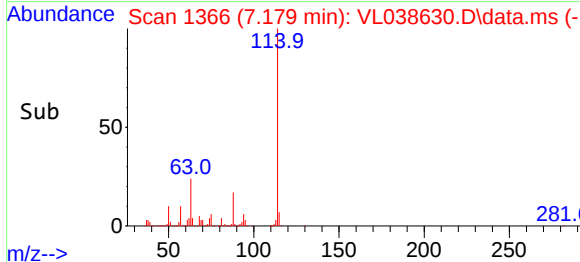
Instrument :
MSVOA_L
ClientSampleId :
AA-1A



Tgt Ion:114 Resp: 216032
Ion Ratio Lower Upper
114 100
63 23.8 19.6 29.4
88 17.0 13.9 20.9

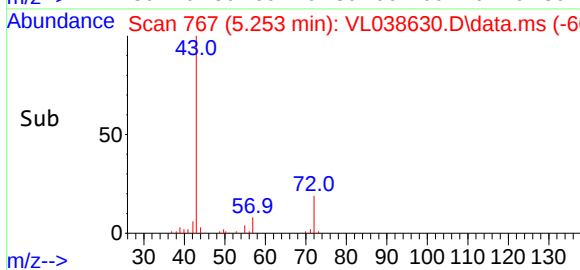
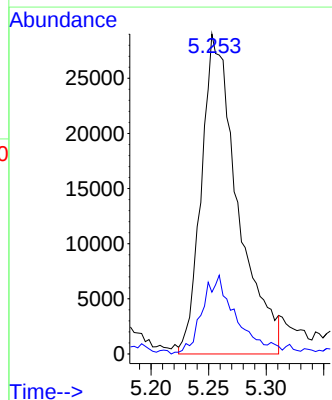
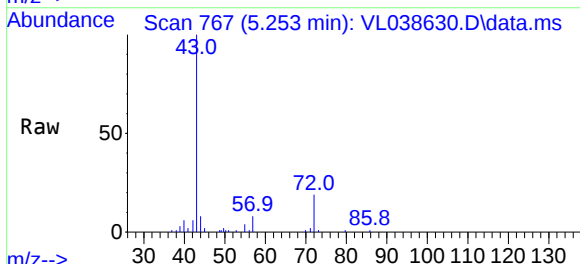
Manual Integrations
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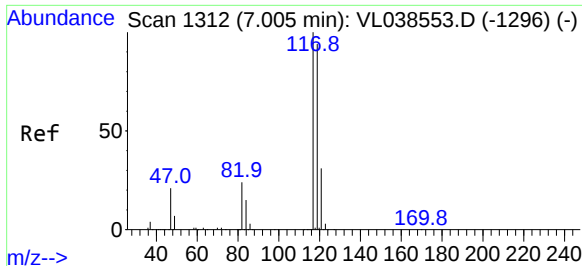
Reviewed By :Semsettin Yesilyurt 03/19/2022
Supervised By :Mahesh Dadoda 03/21/2022



#34
2-Butanone
Concen: 1.137 ppbv m
RT: 5.253 min Scan# 767
Delta R.T. 0.019 min
Lab File: VL038630.D
Acq: 17 Mar 2022 17:35

Tgt Ion: 43 Resp: 63645
Ion Ratio Lower Upper
43 100
72 25.1 17.8 26.6





#35

Carbon Tetrachloride

Concen: 0.063 ppbv

RT: 7.021 min Scan# 11

Delta R.T. 0.016 min

Lab File: VL038630.D

Acq: 17 Mar 2022 17:35

Instrument :

MSVOA_L

ClientSampleId :

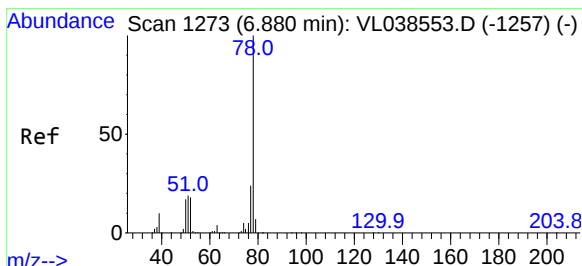
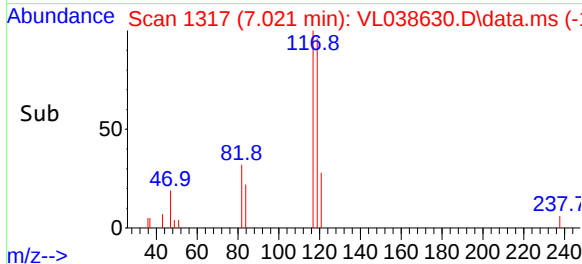
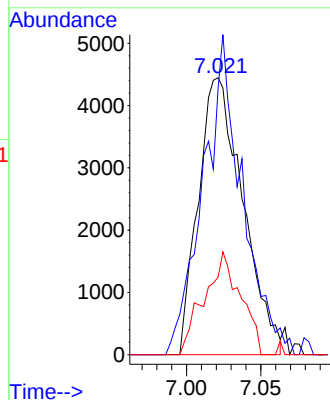
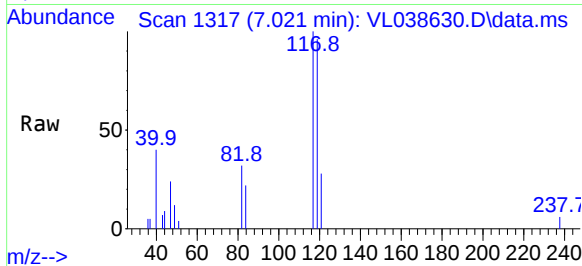
AA-1A

Tgt Ion:	117	Resp:	9250
Ion	Ratio	Lower	Upper
117	100		
119	86.7	75.2	112.8
121	28.0	24.8	37.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/19/2022
Supervised By :Mahesh Dadoda 03/21/2022



#36

Benzene

Concen: 0.232 ppbv

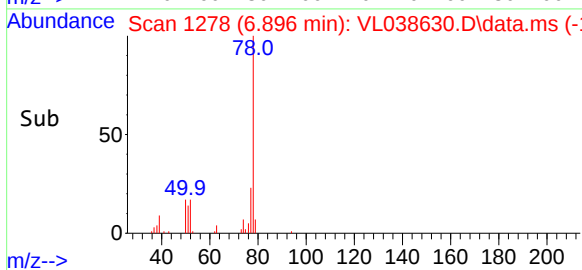
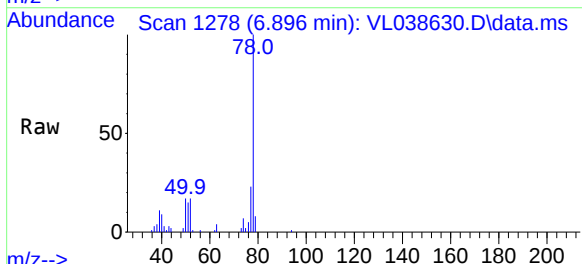
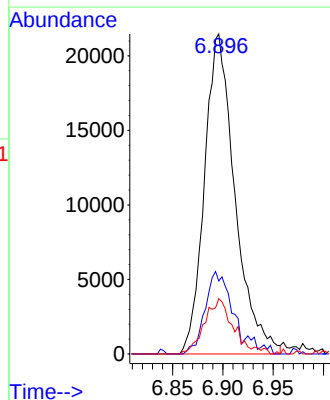
RT: 6.896 min Scan# 1278

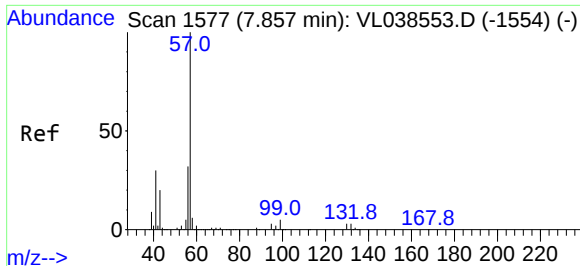
Delta R.T. 0.016 min

Lab File: VL038630.D

Acq: 17 Mar 2022 17:35

Tgt Ion:	78	Resp:	45266
Ion	Ratio	Lower	Upper
78	100		
77	22.8	19.0	28.4
50	17.3	13.9	20.9





#44

2,2,4-Trimethylpentane

Concen: 0.112 ppbv m

RT: 7.870 min Scan# 1577

Delta R.T. 0.013 min

Lab File: VL038630.D

Acq: 17 Mar 2022 17:35

Instrument :

MSVOA_L

ClientSampleId :

AA-1A

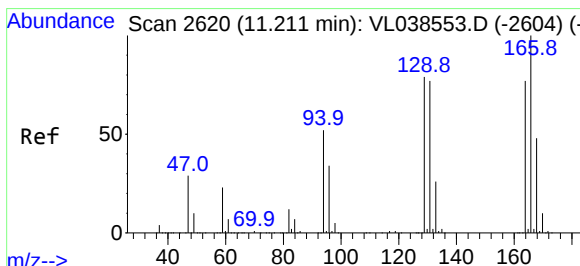
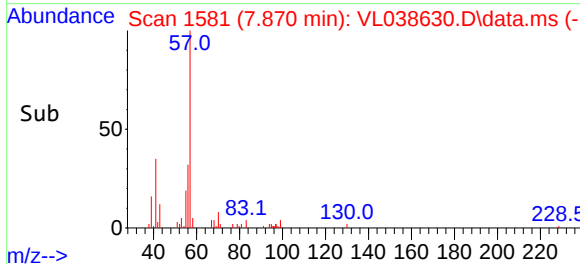
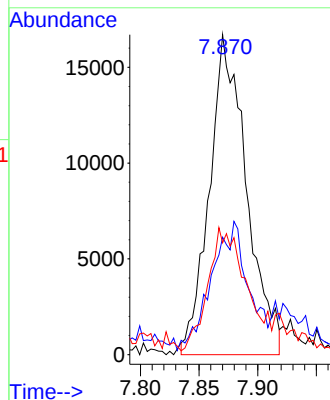
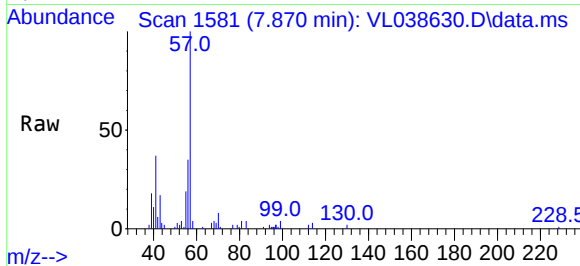
Tgt Ion:	57	Resp:	3676
Ion	Ratio	Lower	Upper
57	100		
41	60.7	24.0	36.0
56	0.0	25.6	38.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/19/2022

Supervised By :Mahesh Dadoda 03/21/2022



#52

Tetrachloroethene

Concen: 0.034 ppbv m

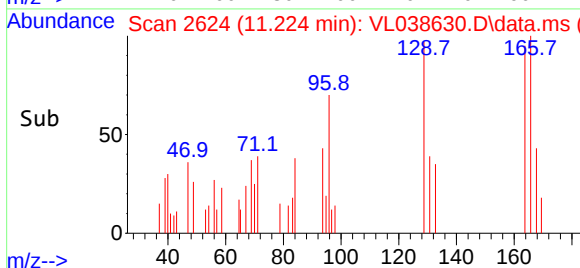
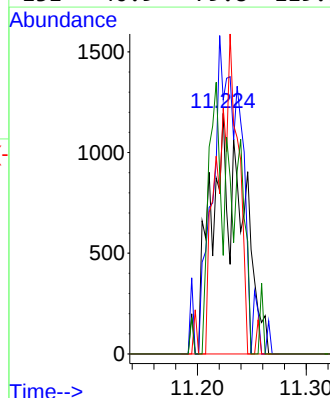
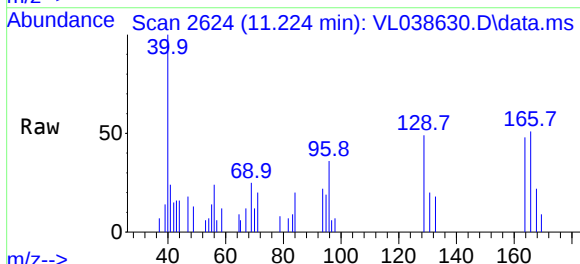
RT: 11.224 min Scan# 2624

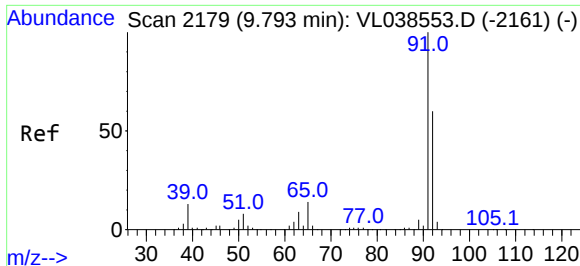
Delta R.T. 0.013 min

Lab File: VL038630.D

Acq: 17 Mar 2022 17:35

Tgt Ion:	164	Resp:	2401
Ion	Ratio	Lower	Upper
164	100		
166	105.5	103.4	155.2
129	102.1	81.3	121.9
131	40.9	79.8	119.8





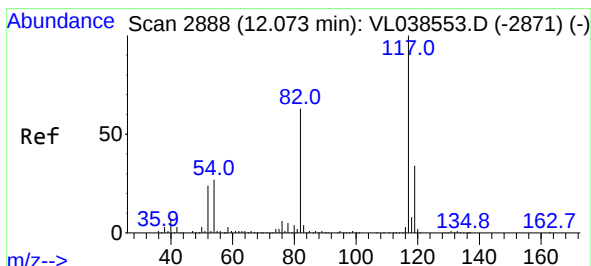
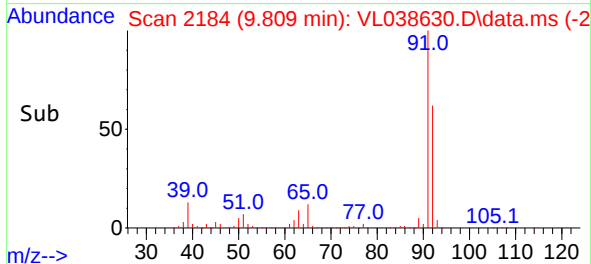
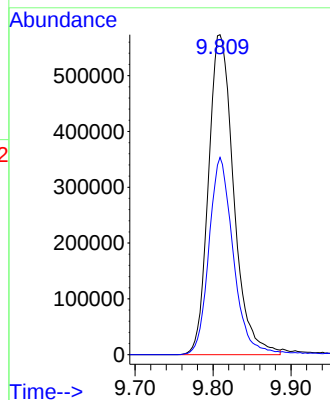
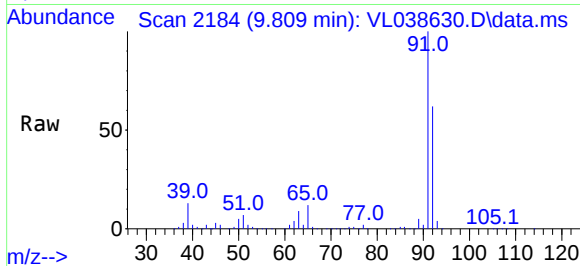
#53
Toluene
Concen: 6.208 ppbv
RT: 9.809 min Scan# 2179
Delta R.T. 0.016 min
Lab File: VL038630.D
Acq: 17 Mar 2022 17:35

Instrument :
MSVOA_L
ClientSampleId :
AA-1A

Tgt Ion: 91 Resp: 1291970
Ion Ratio Lower Upper
91 100
92 60.5 48.1 72.1

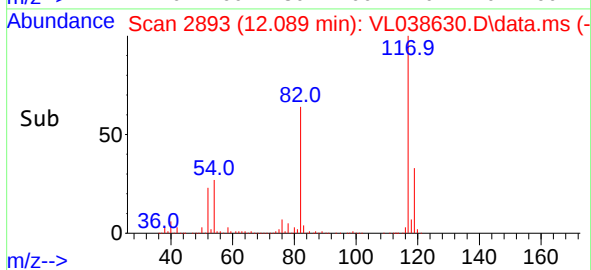
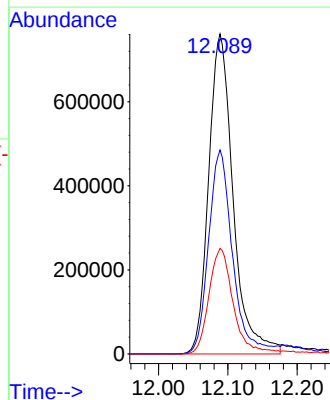
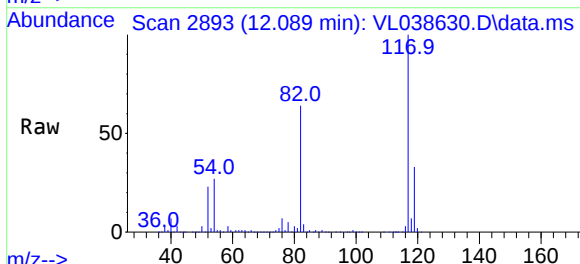
Manual Integrations
APPROVED

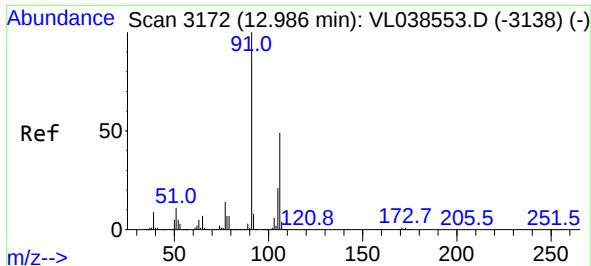
Reviewed By :Semsettin Yesilyurt 03/19/2022
Supervised By :Mahesh Dadoda 03/21/2022



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.089 min Scan# 2893
Delta R.T. 0.016 min
Lab File: VL038630.D
Acq: 17 Mar 2022 17:35

Tgt Ion:117 Resp: 1865442
Ion Ratio Lower Upper
117 100
82 62.5 52.5 78.7
119 34.2 46.4 69.6#





#59

m/p-Xylene

Concen: 0.249 ppbv m

RT: 12.966 min Scan# 3172

Delta R.T. -0.019 min

Lab File: VL038630.D

Acq: 17 Mar 2022 17:35

Instrument :

MSVOA_L

ClientSampleId :

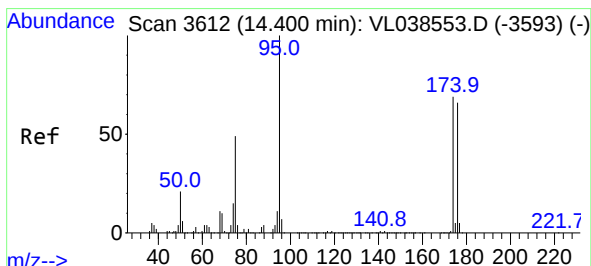
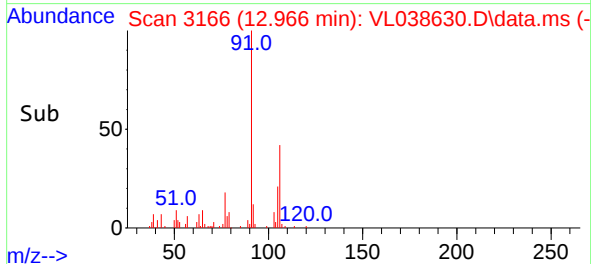
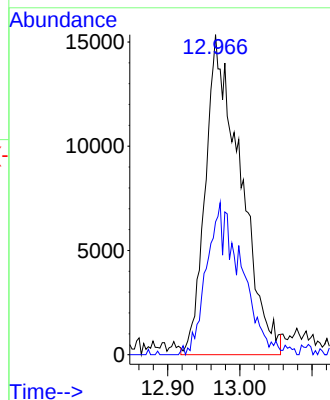
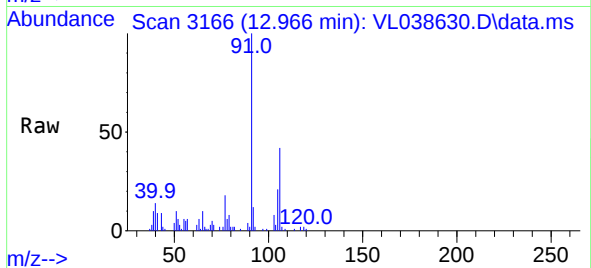
AA-1A

Tgt Ion: 91 Resp: 5158
 Ion Ratio Lower Upper
 91 100
 106 0.0 37.1 55.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/19/2022
 Supervised By :Mahesh Dadoda 03/21/2022



#68

1-Bromo-4-Fluorobenzene

Concen: 9.370 ppbv

RT: 14.416 min Scan# 3617

Delta R.T. 0.016 min

Lab File: VL038630.D

Acq: 17 Mar 2022 17:35

Tgt Ion: 95 Resp: 1328877
 Ion Ratio Lower Upper
 95 100
 174 72.9 56.2 84.4
 175 5.2 4.2 6.2

