

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032822\
 Data File : VL038778.D
 Acq On : 28 Mar 2022 19:39
 Operator : SY/AP
 Sample : N2078-06
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 V-7

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 03/29/2022
 Supervised By : Mahesh Dadoda 03/29/2022

Quant Time: Mar 29 06:13:09 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032122AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 29 06:13:09 2022

QLast Update : Mon Mar 21 17:09:26 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.668	49	773290	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.173	114	2051828	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.079	117	1782004	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.407	95	1359305	9.949	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.500%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	3.054	85	72517	0.698	ppbv	90
3) Chlorodifluoromethane	2.996	51	32624	0.399	ppbv #	92
4) Chloromethane	3.144	50	25080	0.559	ppbv	92
9) Propene	3.028	41	40087	1.017	ppbv	84
10) Heptane	8.115	43	13885	0.147	ppbv #	84
11) Trichlorofluoromethane	3.954	101	27653	0.301	ppbv	100
13) Ethanol	3.607	45	153723	35.343	ppbv	98
15) Acetone	3.854	43	171795	2.575	ppbv #	68
19) Isopropyl Alcohol	3.977	45	28196	0.762	ppbv #	1
20) Methylene Chloride	4.343	84	292559	10.410	ppbv	98
26) Hexane	5.687	57	230492	3.065	ppbv #	39
30) Cyclohexane	7.150	84	17868m	0.273	ppbv	
34) 2-Butanone	5.250	43	29591	0.364	ppbv #	88
35) Carbon Tetrachloride	7.009	117	7592m	0.064	ppbv	
36) Benzene	6.890	78	53586	0.338	ppbv	95
44) 2,2,4-Trimethylpentane	7.867	57	87480	0.329	ppbv #	84
53) Toluene	9.803	91	255109	1.499	ppbv	96
58) Ethyl Benzene	12.703	91	40263m	0.193	ppbv	
59) m/p-Xylene	12.963	91	124039m	0.681	ppbv	
60) o-Xylene	13.687	91	42487	0.246	ppbv	96
74) 1,2,4-Trimethylbenzene	16.754	105	45367	0.224	ppbv #	69

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

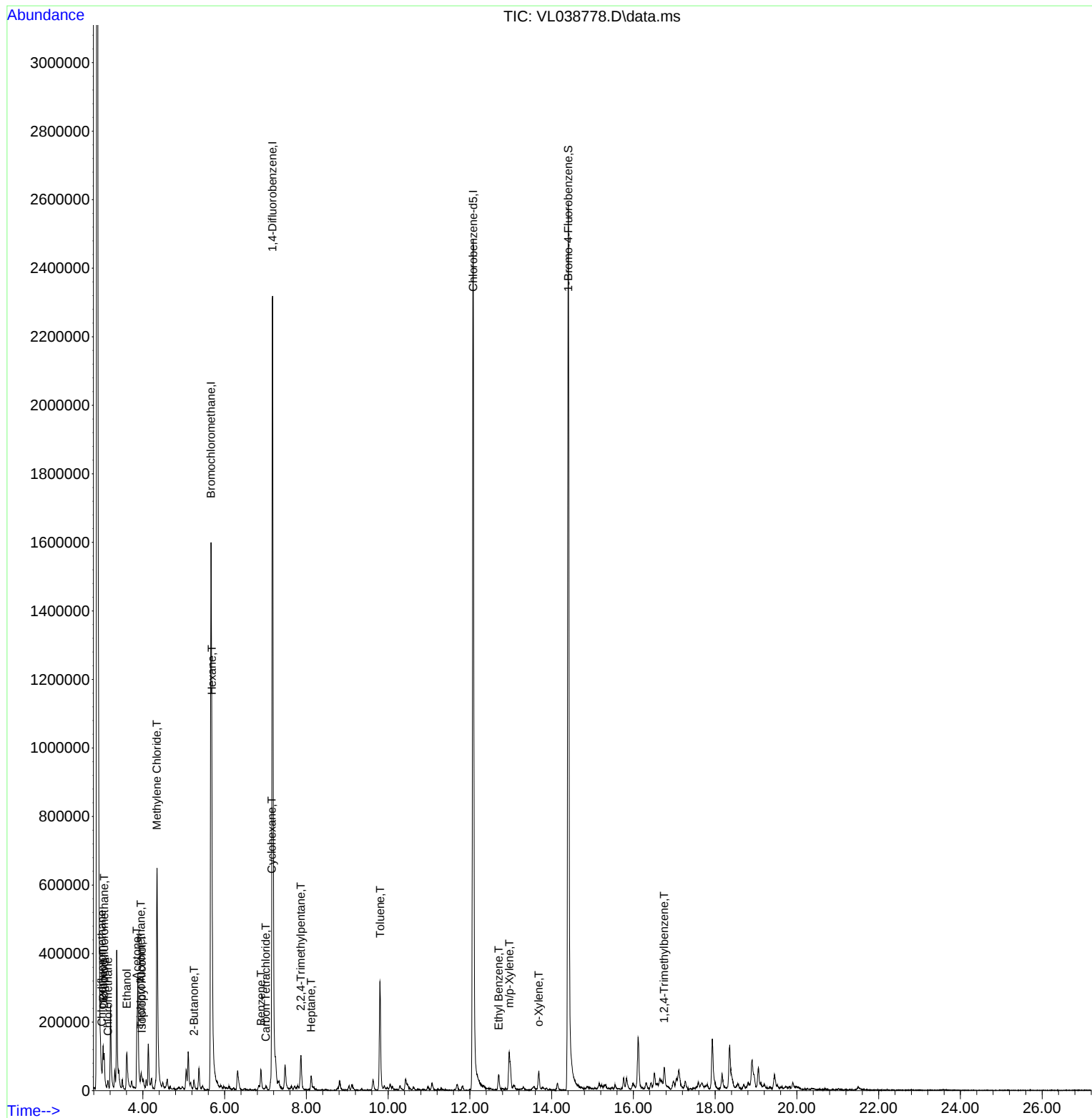
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032822\
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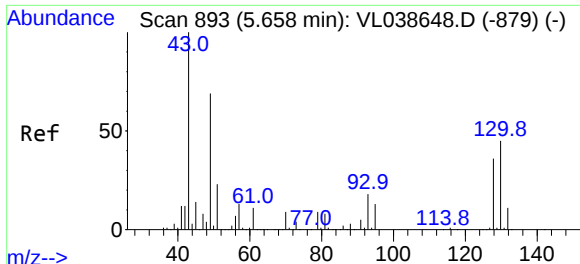
Instrument :
MSVOA_L
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V-7

Quant Time: Mar 29 06:13:09 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032122AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar
QLast Update : Mon Mar 21 17:09:26 2022
Response via : Initial Calibration

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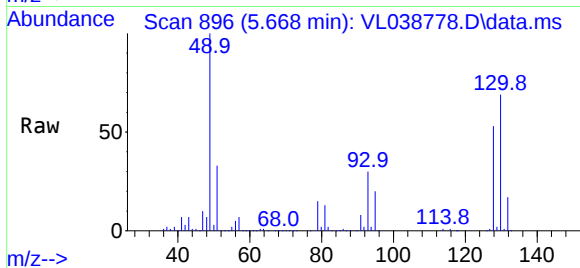
Reviewed By : Semsettin Yesilyurt 03/29/2022
Supervised By : Mahesh Dadoda 03/29/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.668 min Scan# 89
Delta R.T. 0.010 min
Lab File: VL038778.D
Acq: 28 Mar 2022 19:39

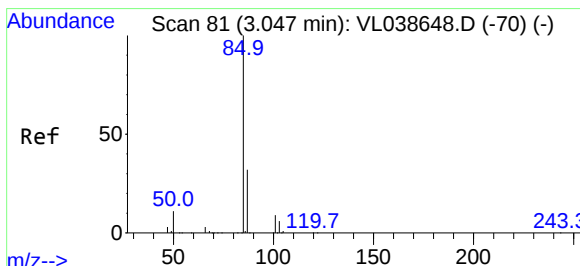
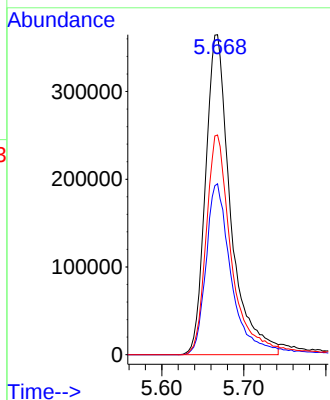
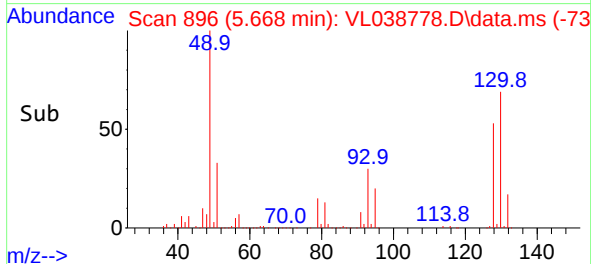
Instrument :
MSVOA_L
ClientSampleId :
V-7



Tgt Ion: 49 Resp: 773290
Ion Ratio Lower Upper
49 100
128 55.9 26.2 78.6
130 71.9 33.7 101.1

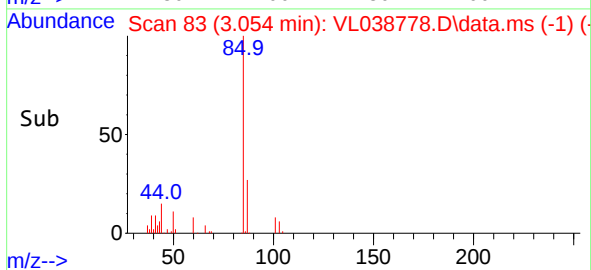
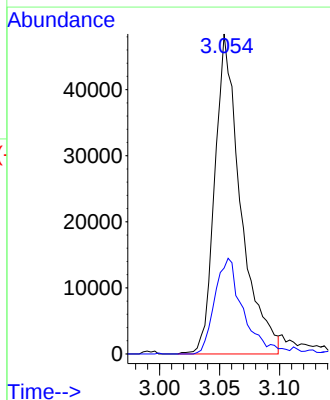
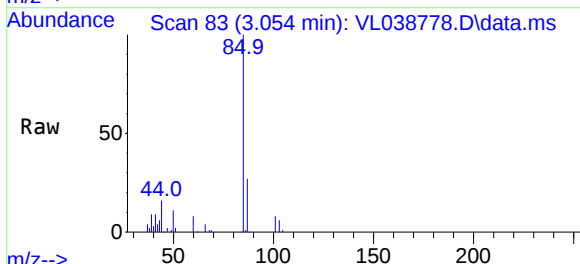
Manual Integrations
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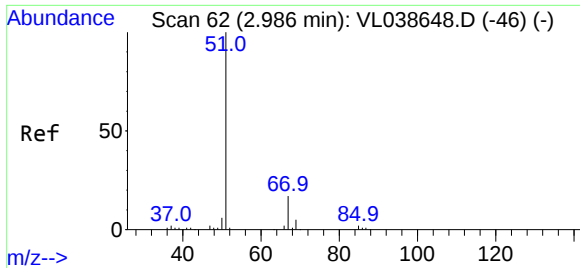
Reviewed By :Semsettin Yesilyurt 03/29/2022
Supervised By :Mahesh Dadoda 03/29/2022



#2
Dichlorodifluoromethane
Concen: 0.698 ppbv
RT: 3.054 min Scan# 83
Delta R.T. 0.006 min
Lab File: VL038778.D
Acq: 28 Mar 2022 19:39

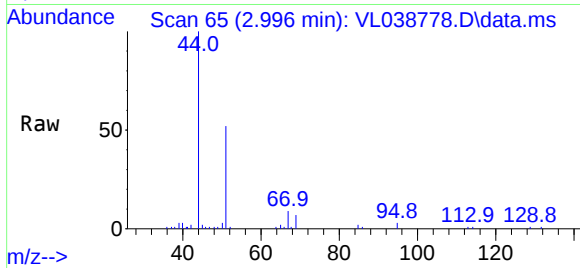
Tgt Ion: 85 Resp: 72517
Ion Ratio Lower Upper
85 100
87 26.9 26.0 39.0





#3
Chlorodifluoromethane
Concen: 0.399 ppbv
RT: 2.996 min Scan# 61
Delta R.T. 0.010 min
Lab File: VL038778.D
Acq: 28 Mar 2022 19:39

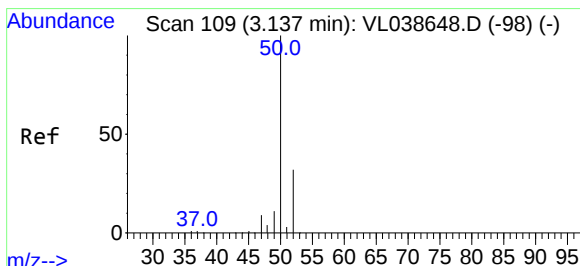
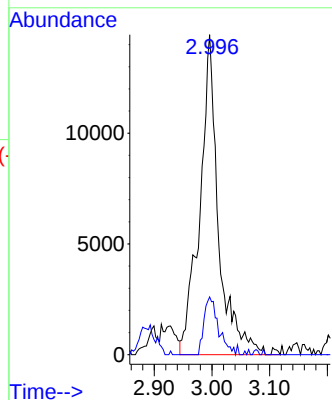
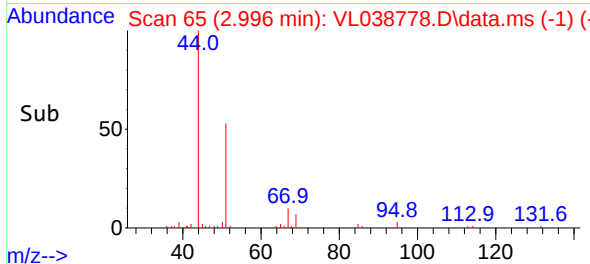
Instrument :
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ClientSampleId :
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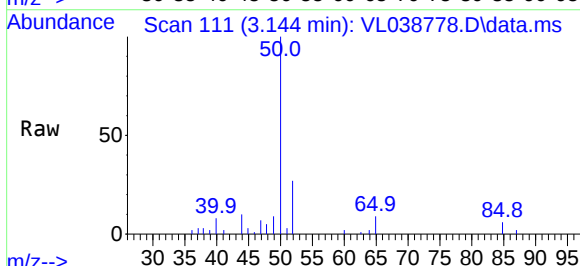
Tgt Ion: 51 Resp: 32624
Ion Ratio Lower Upper
51 100
67 14.0 14.1 21.1

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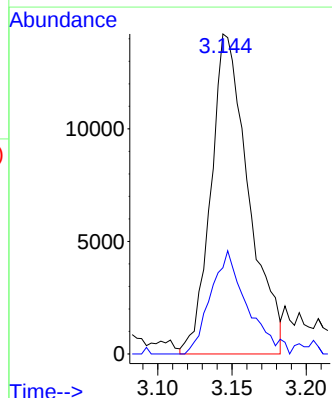
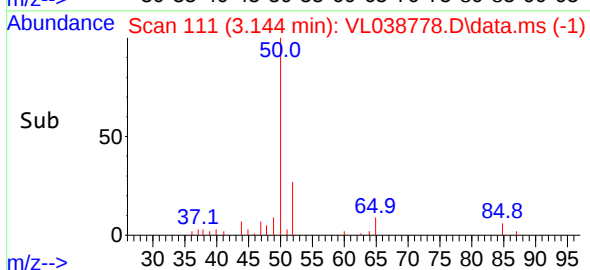
Reviewed By :Semsettin Yesilyurt 03/29/2022
Supervised By :Mahesh Dadoda 03/29/2022

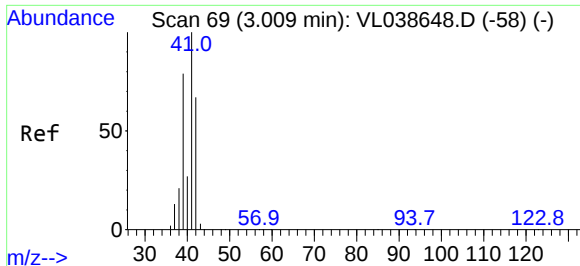


#4
Chloromethane
Concen: 0.559 ppbv
RT: 3.144 min Scan# 111
Delta R.T. 0.006 min
Lab File: VL038778.D
Acq: 28 Mar 2022 19:39



Tgt Ion: 50 Resp: 25080
Ion Ratio Lower Upper
50 100
52 27.4 25.5 38.3





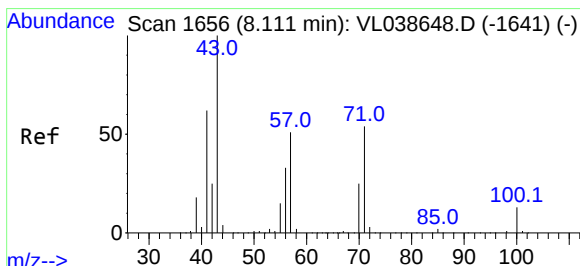
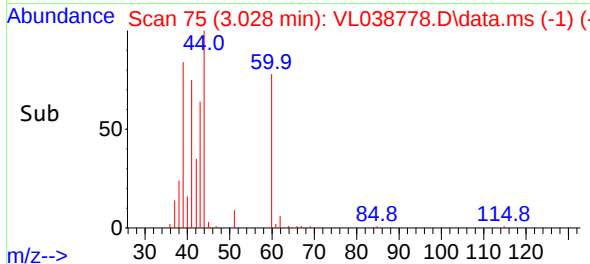
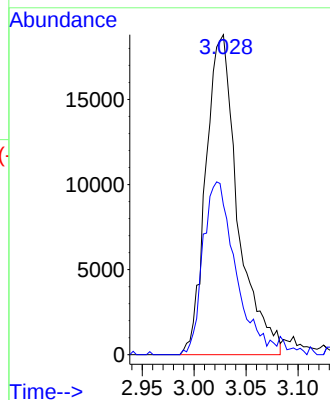
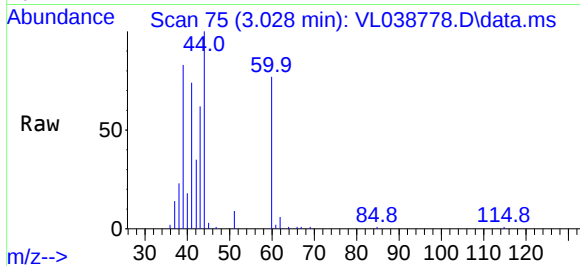
#9
Propene
Concen: 1.017 ppbv
RT: 3.028 min Scan# 71
Delta R.T. 0.019 min
Lab File: VL038778.D
Acq: 28 Mar 2022 19:39

Instrument :
MSVOA_L
ClientSampleId :
V-7

Tgt Ion: 41 Resp: 4008
Ion Ratio Lower Upper
41 100
42 57.3 56.2 84.4

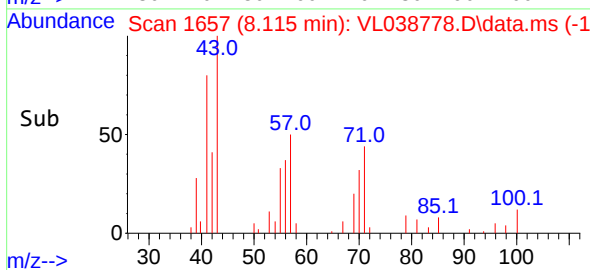
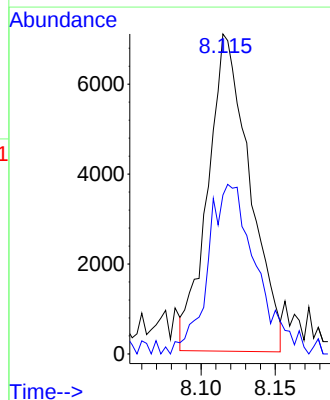
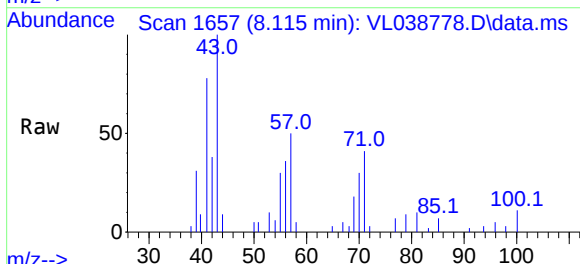
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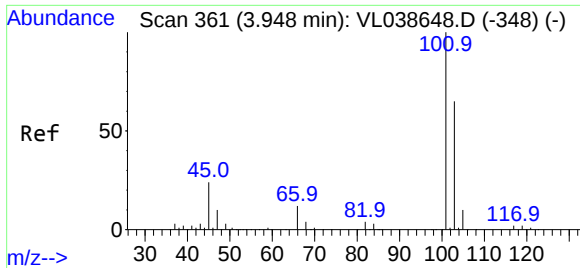
Reviewed By :Semsettin Yesilyurt 03/29/2022
Supervised By :Mahesh Dadoda 03/29/2022



#10
Heptane
Concen: 0.147 ppbv
RT: 8.115 min Scan# 1657
Delta R.T. 0.003 min
Lab File: VL038778.D
Acq: 28 Mar 2022 19:39

Tgt Ion: 43 Resp: 13885
Ion Ratio Lower Upper
43 100
57 62.7 41.4 62.2#





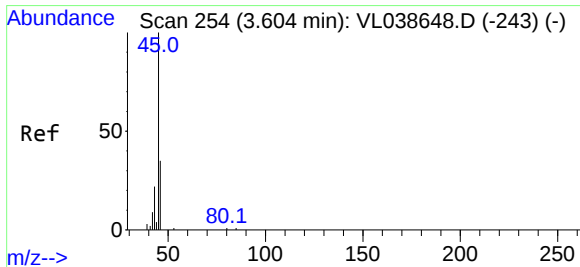
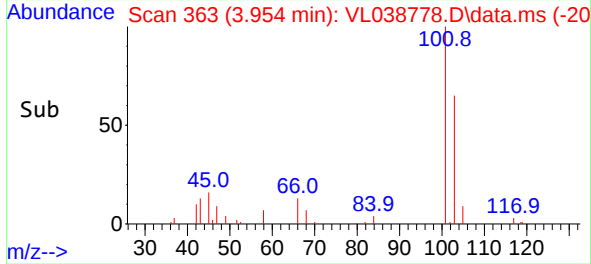
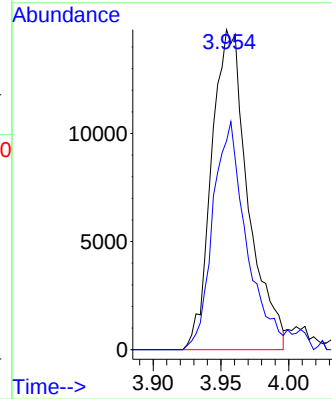
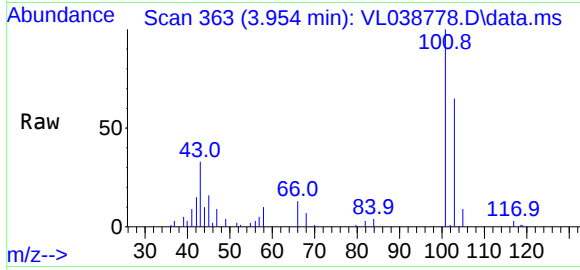
#11
Trichlorofluoromethane
Concen: 0.301 ppbv
RT: 3.954 min Scan# 30
Delta R.T. 0.006 min
Lab File: VL038778.D
Acq: 28 Mar 2022 19:39

Instrument :
MSVOA_L
ClientSampleId :
V-7

Tgt Ion:101 Resp: 2765
Ion Ratio Lower Upper
101 100
103 65.2 51.9 77.9

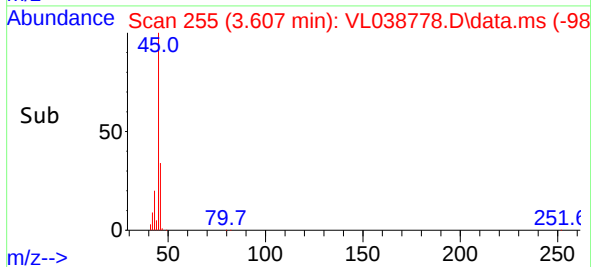
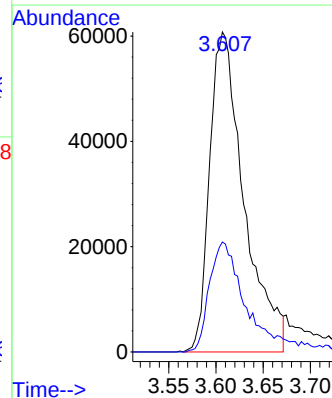
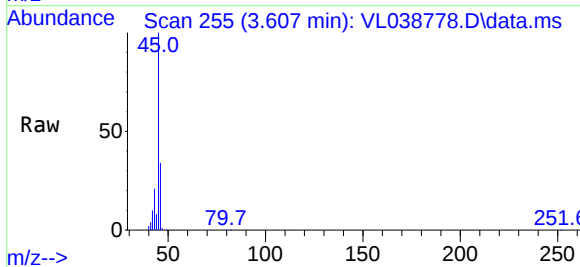
Manual Integrations
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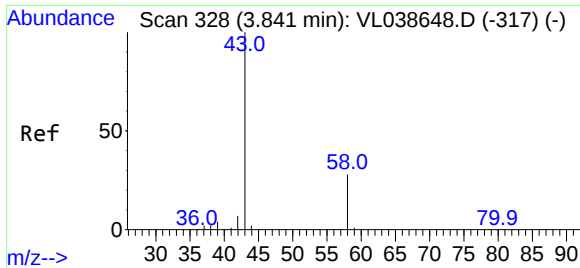
Reviewed By :Semsettin Yesilyurt 03/29/2022
Supervised By :Mahesh Dadoda 03/29/2022



#13
Ethanol
Concen: 35.343 ppbv
RT: 3.607 min Scan# 255
Delta R.T. 0.003 min
Lab File: VL038778.D
Acq: 28 Mar 2022 19:39

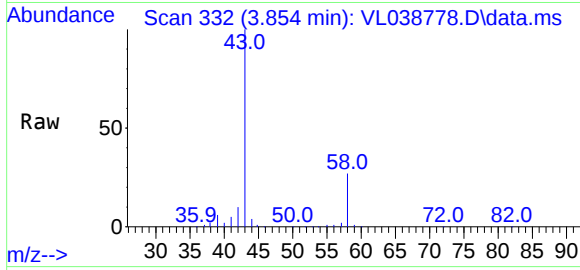
Tgt Ion: 45 Resp: 153723
Ion Ratio Lower Upper
45 100
46 39.2 15.1 60.5





#15
Acetone
Concen: 2.575 ppbv
RT: 3.854 min Scan# 31
Delta R.T. 0.013 min
Lab File: VL038778.D
Acq: 28 Mar 2022 19:39

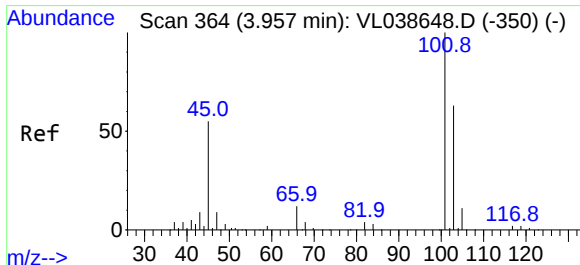
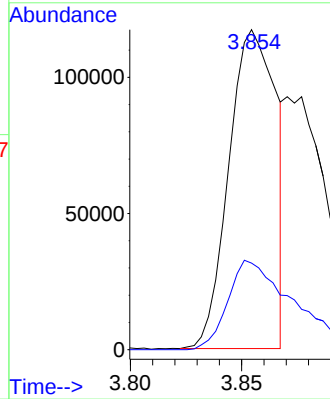
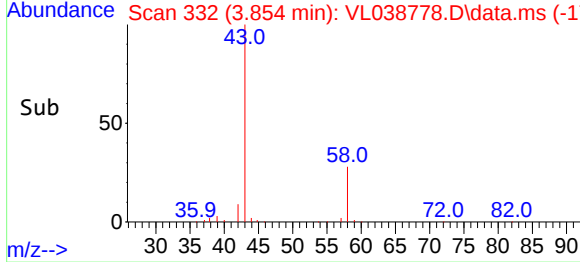
Instrument :
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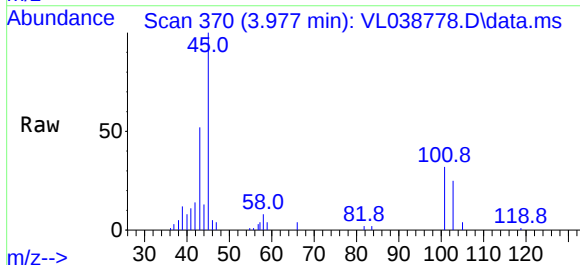
Tgt Ion: 43 Resp: 17179
Ion Ratio Lower Upper
43 100
58 46.1 23.3 34.9

Manual Integrations
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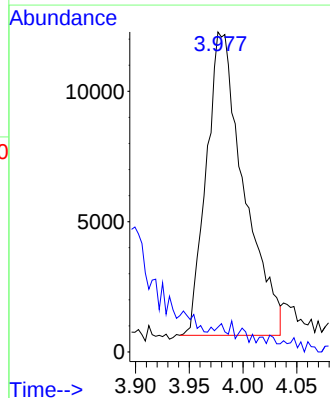
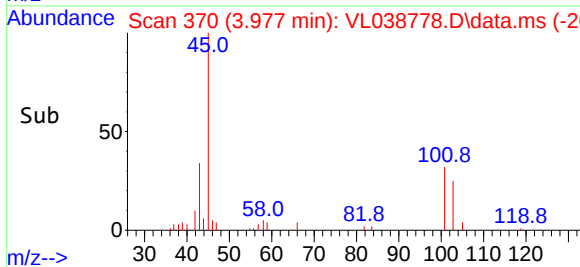
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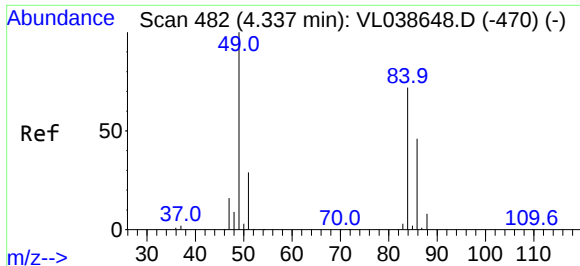


#19
Isopropyl Alcohol
Concen: 0.762 ppbv
RT: 3.977 min Scan# 370
Delta R.T. 0.019 min
Lab File: VL038778.D
Acq: 28 Mar 2022 19:39



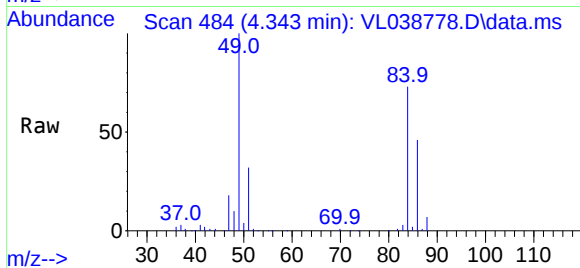
Tgt Ion: 45 Resp: 28196
Ion Ratio Lower Upper
45 100
58 280.8 2.3 3.5





#20
Methylene Chloride
Concen: 10.410 ppbv
RT: 4.343 min Scan# 41
Delta R.T. 0.006 min
Lab File: VL038778.D
Acq: 28 Mar 2022 19:39

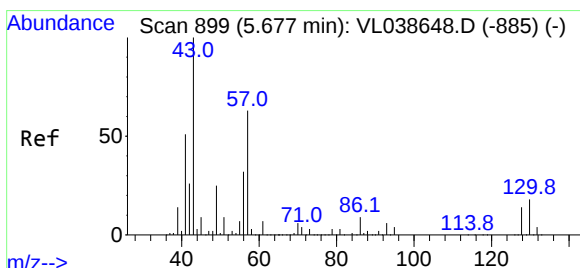
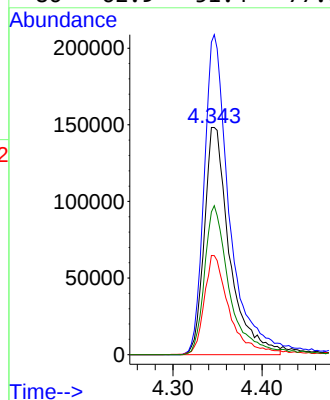
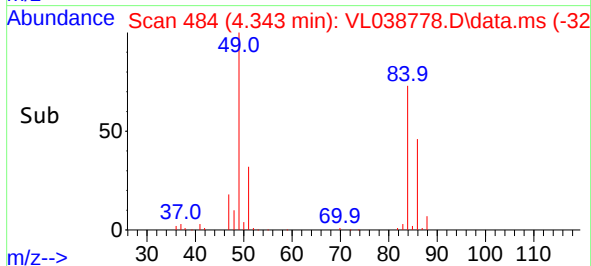
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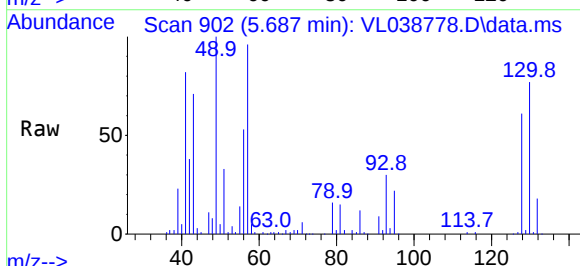
Tgt Ion: 84 Resp: 292559
Ion Ratio Lower Upper
84 100
49 137.6 111.2 166.8
51 43.3 32.8 49.2
86 62.9 51.4 77.0

Manual Integrations
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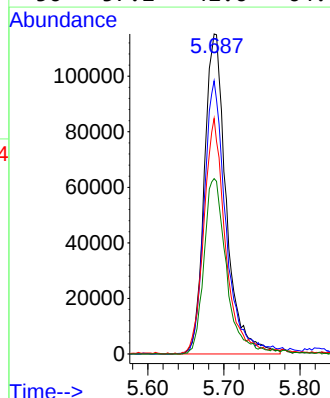
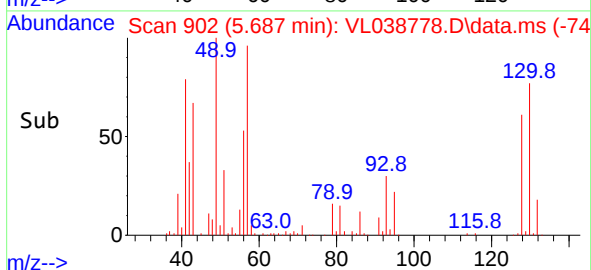
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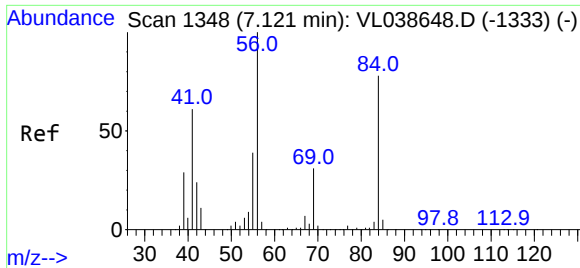


#26
Hexane
Concen: 3.065 ppbv
RT: 5.687 min Scan# 902
Delta R.T. 0.010 min
Lab File: VL038778.D
Acq: 28 Mar 2022 19:39



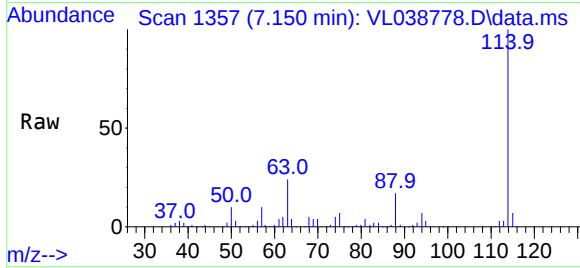
Tgt Ion: 57 Resp: 230492
Ion Ratio Lower Upper
57 100
41 86.6 67.0 100.4
43 74.3 184.2 276.2#
56 57.2 42.6 64.0





#30
Cyclohexane
Concen: 0.273 ppbv m
RT: 7.150 min Scan# 11
Delta R.T. 0.029 min
Lab File: VL038778.D
Acq: 28 Mar 2022 19:39

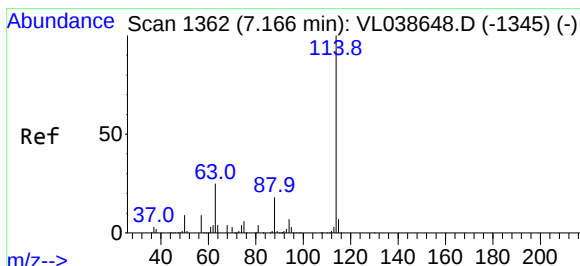
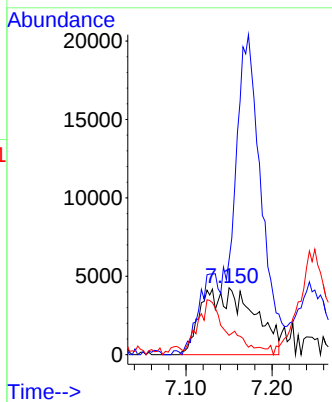
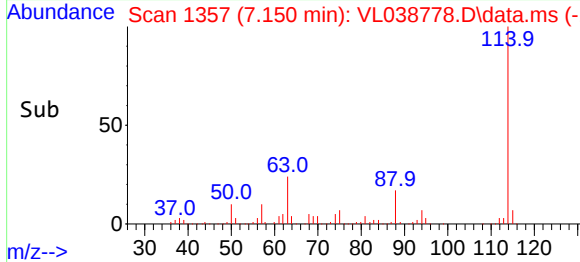
Instrument :
MSVOA_L
ClientSampleId :
V-7



Tgt Ion: 84 Resp: 1786
Ion Ratio Lower Upper
84 100
56 0.0 108.2 162.4
41 52.1 61.8 92.6

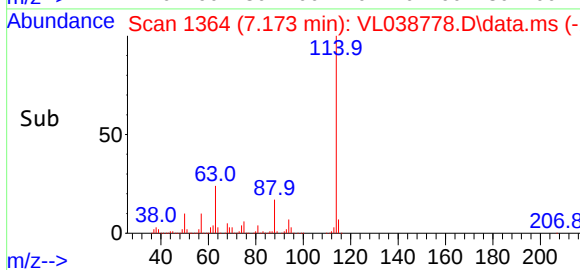
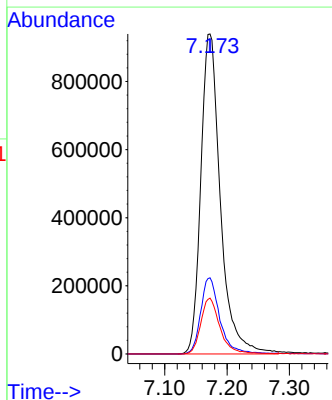
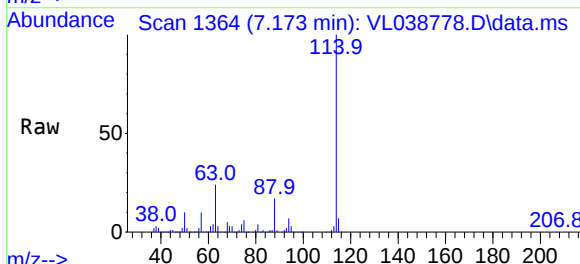
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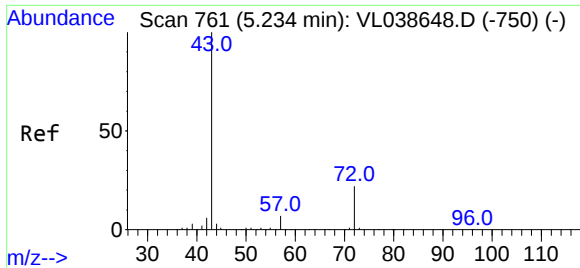
Reviewed By :Semsettin Yesilyurt 03/29/2022
Supervised By :Mahesh Dadoda 03/29/2022



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.173 min Scan# 1364
Delta R.T. 0.006 min
Lab File: VL038778.D
Acq: 28 Mar 2022 19:39

Tgt Ion:114 Resp: 2051828
Ion Ratio Lower Upper
114 100
63 23.5 19.4 29.0
88 17.2 13.9 20.9





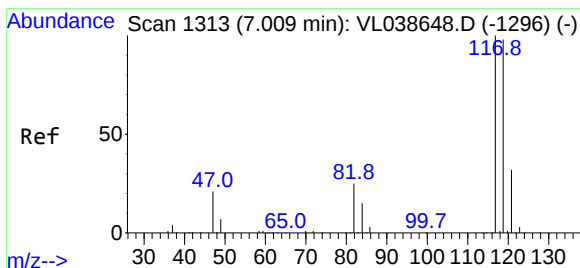
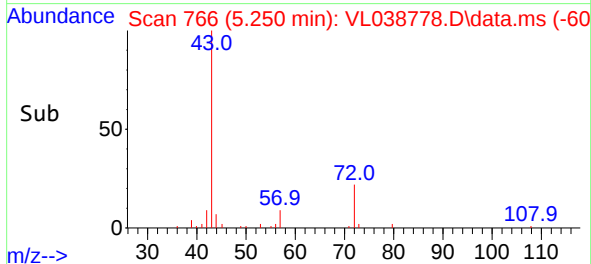
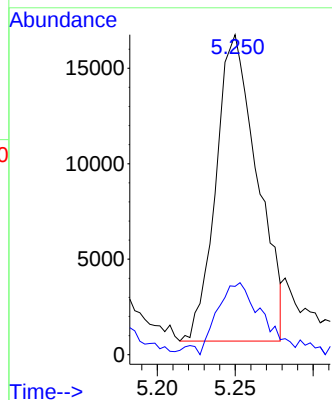
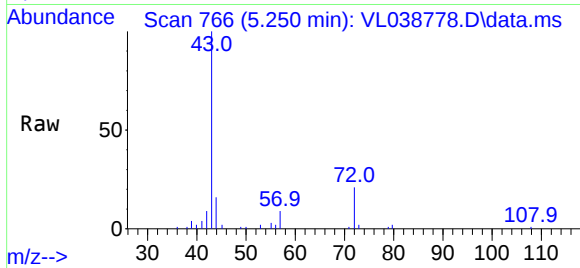
#34
2-Butanone
Concen: 0.364 ppbv
RT: 5.250 min Scan# 761
Delta R.T. 0.016 min
Lab File: VL038778.D
Acq: 28 Mar 2022 19:39

Instrument :
MSVOA_L
ClientSampleId :
V-7

Tgt Ion: 43 Resp: 2959
Ion Ratio Lower Upper
43 100
72 28.2 17.8 26.8

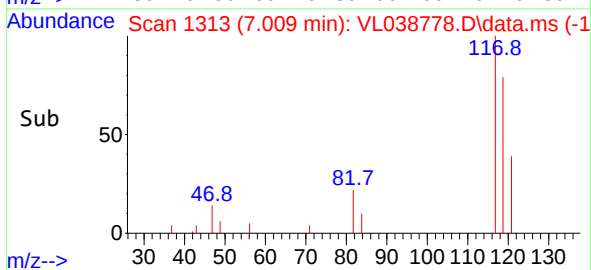
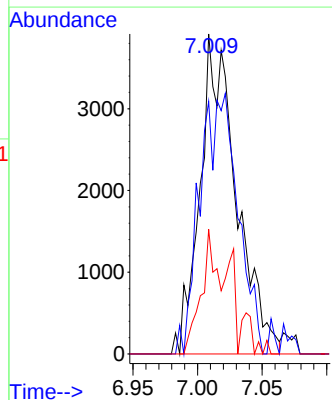
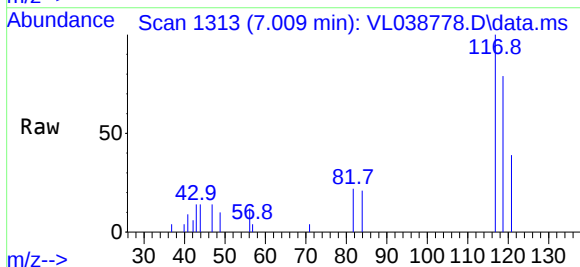
Manual Integrations
APPROVED

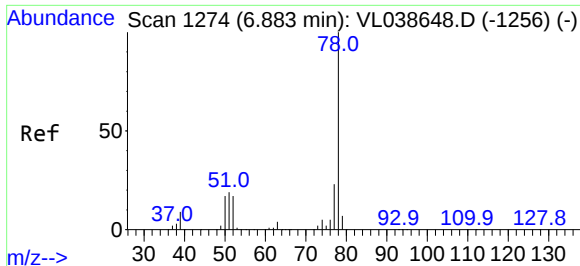
Reviewed By :Semsettin Yesilyurt 03/29/2022
Supervised By :Mahesh Dadoda 03/29/2022



#35
Carbon Tetrachloride
Concen: 0.064 ppbv m
RT: 7.009 min Scan# 1313
Delta R.T. 0.000 min
Lab File: VL038778.D
Acq: 28 Mar 2022 19:39

Tgt Ion:117 Resp: 7592
Ion Ratio Lower Upper
117 100
119 78.9 78.1 117.1
121 39.0 25.8 38.6





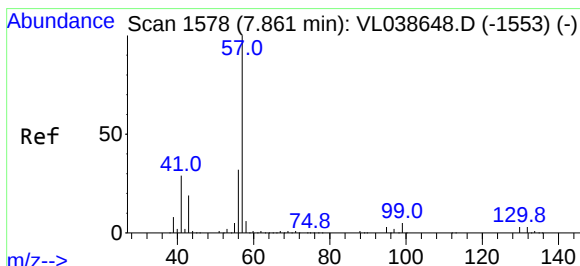
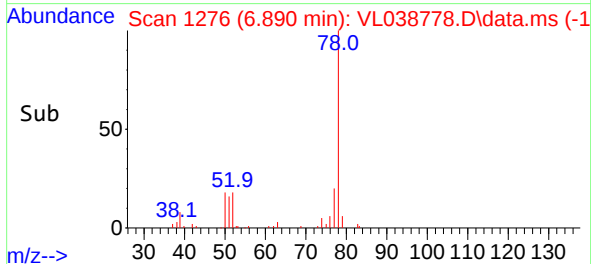
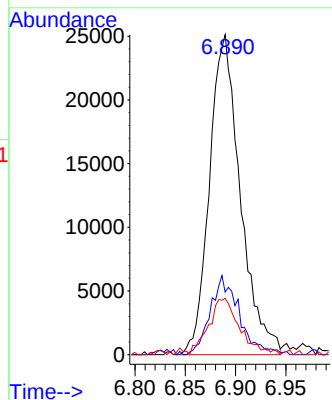
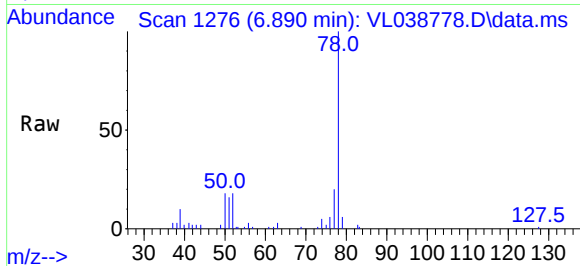
#36
Benzene
Concen: 0.338 ppbv
RT: 6.890 min Scan# 11
Delta R.T. 0.006 min
Lab File: VL038778.D
Acq: 28 Mar 2022 19:39

Instrument :
MSVOA_L
ClientSampleId :
V-7

Tgt Ion: 78 Resp: 53580
Ion Ratio Lower Upper
78 100
77 18.5 18.1 27.1
50 17.6 13.6 20.4

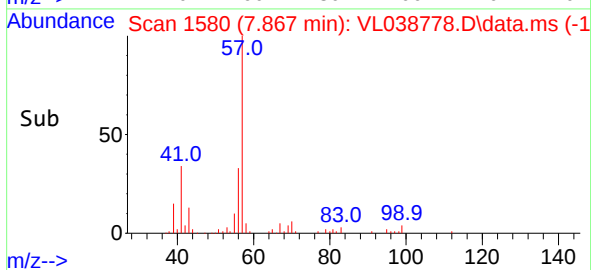
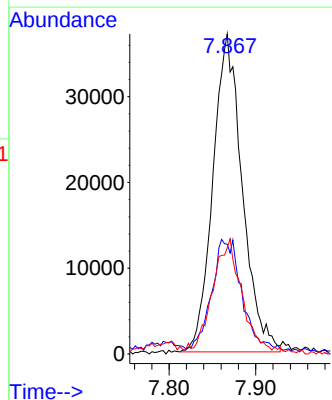
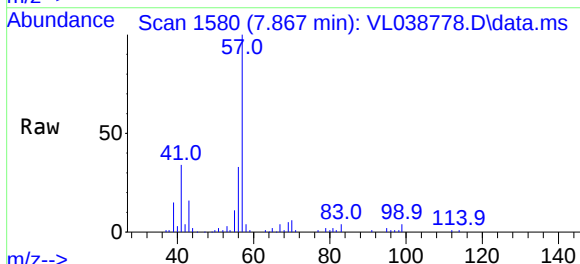
Manual Integrations
APPROVED

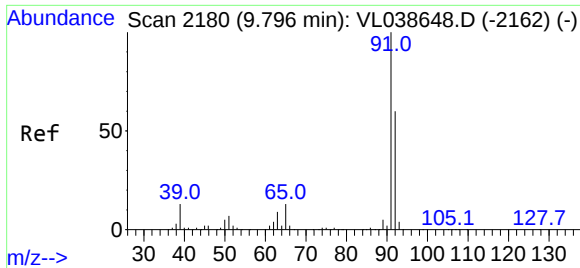
Reviewed By :Semsettin Yesilyurt 03/29/2022
Supervised By :Mahesh Dadoda 03/29/2022



#44
2,2,4-Trimethylpentane
Concen: 0.329 ppbv
RT: 7.867 min Scan# 1580
Delta R.T. 0.006 min
Lab File: VL038778.D
Acq: 28 Mar 2022 19:39

Tgt Ion: 57 Resp: 87480
Ion Ratio Lower Upper
57 100
41 40.3 23.0 34.4#
56 37.5 25.3 37.9





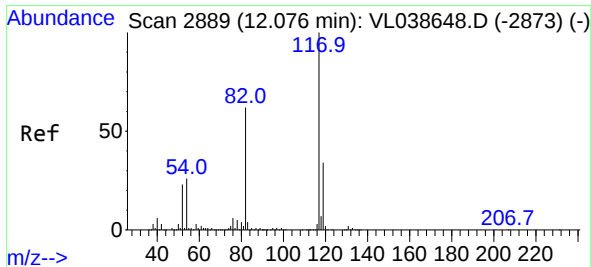
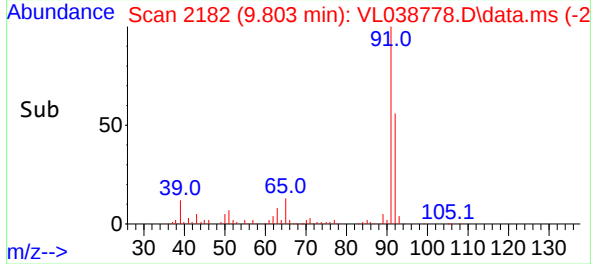
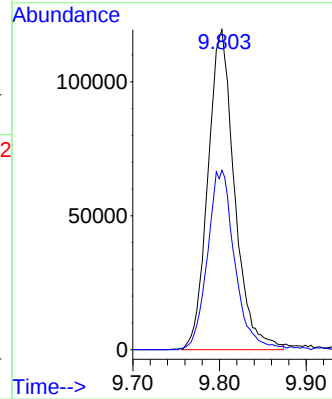
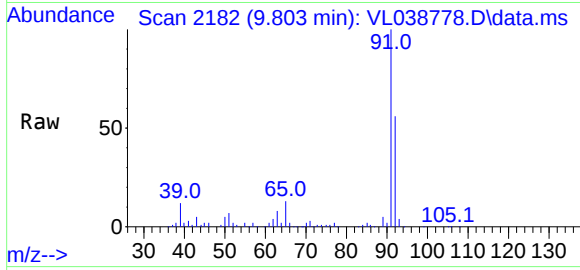
#53
Toluene
Concen: 1.499 ppbv
RT: 9.803 min Scan# 2180
Delta R.T. 0.006 min
Lab File: VL038778.D
Acq: 28 Mar 2022 19:39

Instrument :
MSVOA_L
ClientSampleId :
V-7

Tgt Ion: 91 Resp: 255109
Ion Ratio Lower Upper
91 100
92 58.2 48.7 73.1

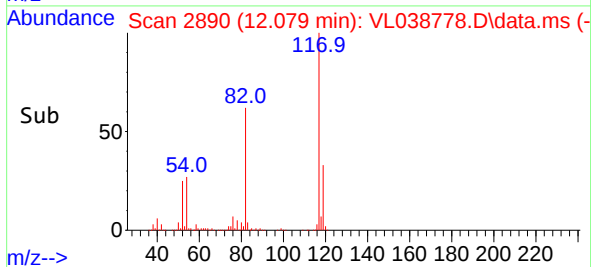
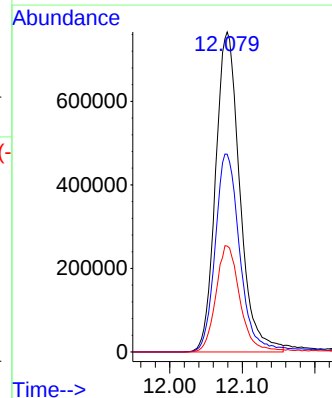
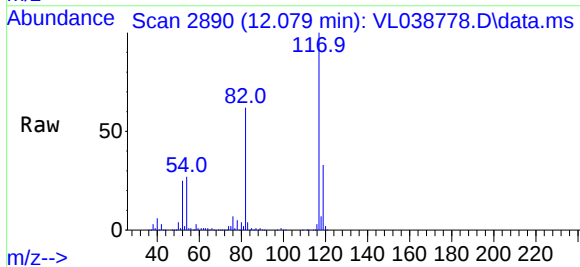
Manual Integrations
APPROVED

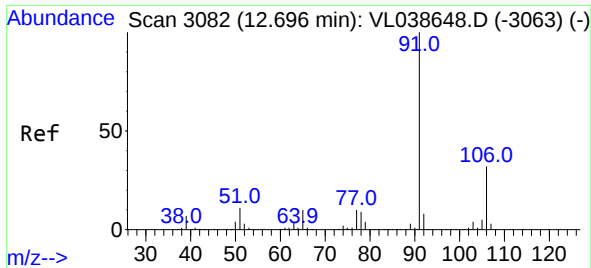
Reviewed By :Semsettin Yesilyurt 03/29/2022
Supervised By :Mahesh Dadoda 03/29/2022



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.079 min Scan# 2890
Delta R.T. 0.003 min
Lab File: VL038778.D
Acq: 28 Mar 2022 19:39

Tgt Ion:117 Resp: 1782004
Ion Ratio Lower Upper
117 100
82 64.9 51.6 77.4
119 33.8 26.9 40.3





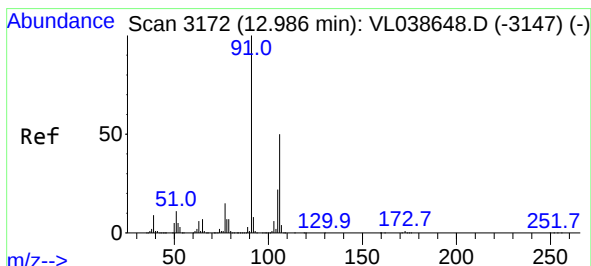
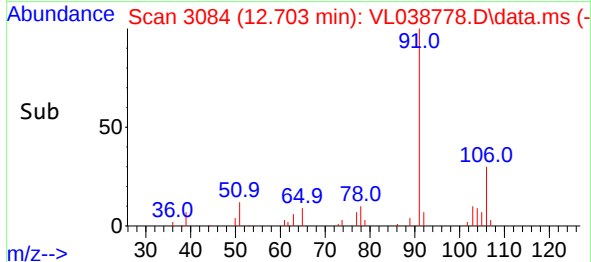
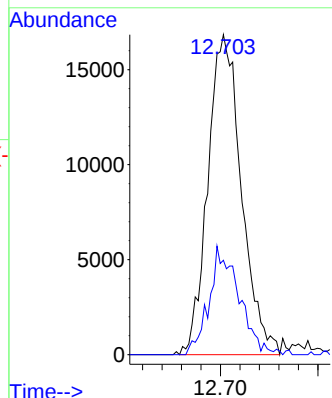
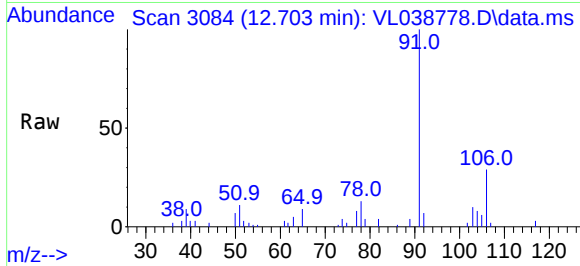
#58
Ethyl Benzene
Concen: 0.193 ppbv m
RT: 12.703 min Scan# 3084
Delta R.T. 0.006 min
Lab File: VL038778.D
Acq: 28 Mar 2022 19:39

Instrument :
MSVOA_L
ClientSampleId :
V-7

Tgt Ion: 91 Resp: 4026
Ion Ratio Lower Upper
91 100
106 29.5 25.4 38.0

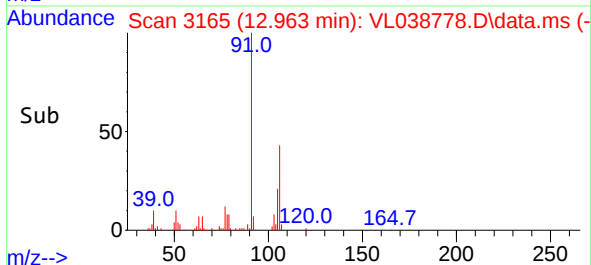
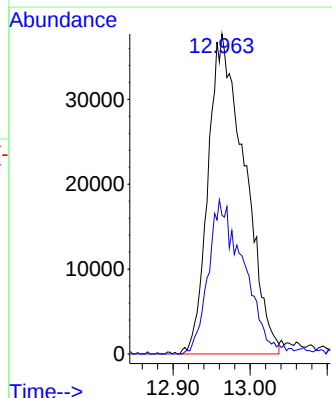
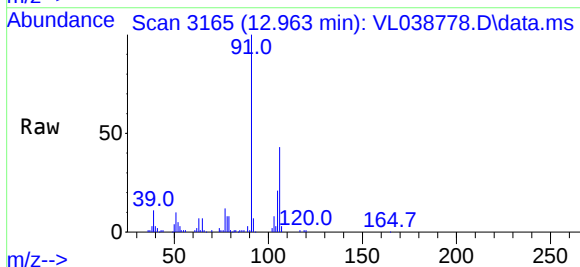
Manual Integrations
APPROVED

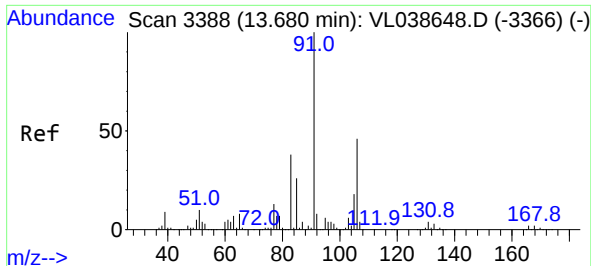
Reviewed By :Semsettin Yesilyurt 03/29/2022
Supervised By :Mahesh Dadoda 03/29/2022



#59
m/p-Xylene
Concen: 0.681 ppbv m
RT: 12.963 min Scan# 3165
Delta R.T. -0.022 min
Lab File: VL038778.D
Acq: 28 Mar 2022 19:39

Tgt Ion: 91 Resp: 124039
Ion Ratio Lower Upper
91 100
106 0.0 37.2 55.8#





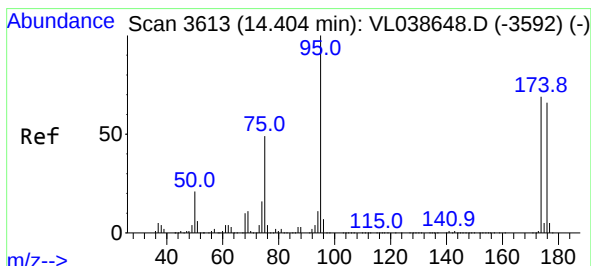
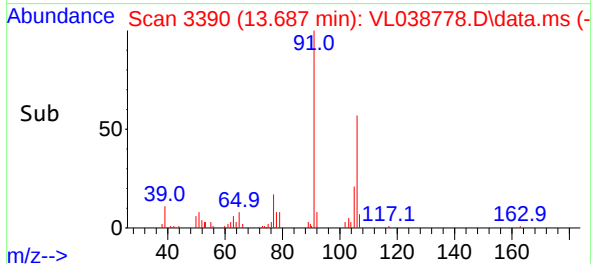
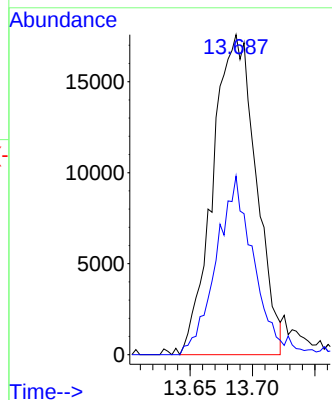
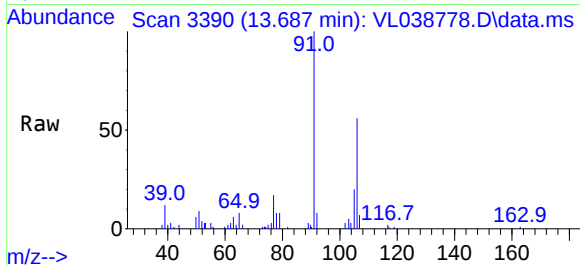
#60
o-Xylene
Concen: 0.246 ppbv
RT: 13.687 min Scan# 31
Delta R.T. 0.006 min
Lab File: VL038778.D
Acq: 28 Mar 2022 19:39

Instrument :
MSVOA_L
ClientSampleId :
V-7

Tgt Ion: 91 Resp: 4248
Ion Ratio Lower Upper
91 100
106 49.5 23.5 70.5

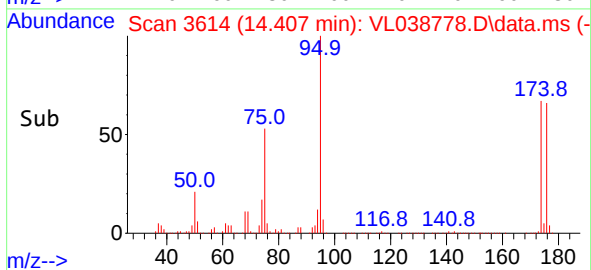
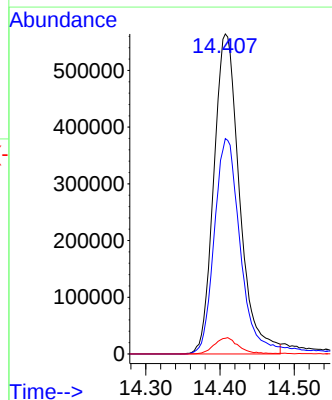
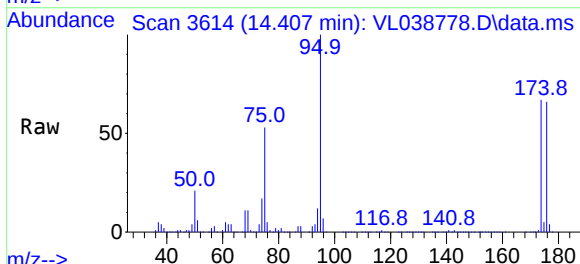
Manual Integrations
APPROVED

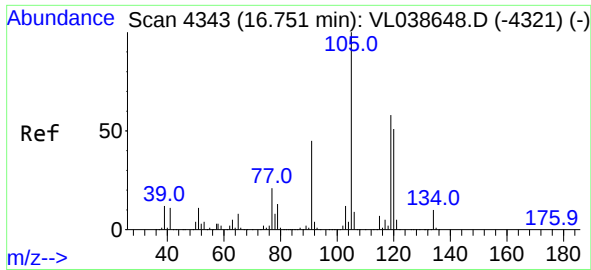
Reviewed By :Semsettin Yesilyurt 03/29/2022
Supervised By :Mahesh Dadoda 03/29/2022



#68
1-Bromo-4-Fluorobenzene
Concen: 9.949 ppbv
RT: 14.407 min Scan# 3614
Delta R.T. 0.003 min
Lab File: VL038778.D
Acq: 28 Mar 2022 19:39

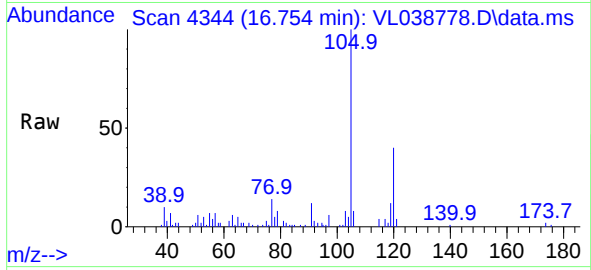
Tgt Ion: 95 Resp: 1359305
Ion Ratio Lower Upper
95 100
174 71.2 56.1 84.1
175 4.9 4.2 6.2





#74
 1,2,4-Trimethylbenzene
 Concen: 0.224 ppbv
 RT: 16.754 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VL038778.D
 Acq: 28 Mar 2022 19:39

Instrument :
 MSVOA_L
 ClientSampleId :
 V-7



Tgt Ion:105 Resp: 4536

Ion	Ratio	Lower	Upper
105	100		
120	37.4	40.5	60.7
91	10.8	35.9	53.9
77	13.4	16.6	25.0

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 03/29/2022
 Supervised By :Mahesh Dadoda 03/29/2022

