

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031722\
 Data File : VL038633.D
 Acq On : 17 Mar 2022 19:46
 Operator : SY/AP
 Sample : N1965-12
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 C0PA9

Manual Integrations
 APPROVED

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

Quant Time: Mar 18 03:37:01 2022

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

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Tue Mar 08 2022

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	862196	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	7.179	114	2163864	10.000	ppbv	0.02
55) Chlorobenzene-d5	12.089	117	1952560	10.000	ppbv	# 0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.417	95	1414334	9.527	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.300%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	3.057	85	31393	0.241	ppbv	99
3) Chlorodifluoromethane	2.996	51	29062	0.191	ppbv	96
4) Chloromethane	3.150	50	25358	0.450	ppbv	98
9) Propene	3.022	41	72026	1.343	ppbv	93
10) Heptane	8.134	43	15697m	0.122	ppbv	
11) Trichlorofluoromethane	3.960	101	23516	0.206	ppbv	99
13) Ethanol	3.610	45	87432	14.188	ppbv	100
15) Acetone	3.851	43	2842315	46.736	ppbv	92
17) tert-Butyl alcohol	4.301	59	38518	0.583	ppbv	# 91
20) Methylene Chloride	4.350	84	30986	0.847	ppbv	99
32) 1,1,1-Trichloroethane	6.517	97	29546	0.204	ppbv	98
34) 2-Butanone	5.247	43	789493	14.076	ppbv	95
35) Carbon Tetrachloride	7.018	117	8604m	0.058	ppbv	
36) Benzene	6.899	78	27214m	0.139	ppbv	
38) Trichloroethene	7.841	130	2705m	0.035	ppbv	
41) Tetrahydrofuran	6.066	42	41805m	0.911	ppbv	
51) 2-Hexanone	10.147	43	97474	2.006	ppbv	# 99
52) Tetrachloroethene	11.237	164	6018342	84.089	ppbv	96
53) Toluene	9.809	91	465953	2.235	ppbv	99
59) m/p-Xylene	12.970	91	29651m	0.137	ppbv	

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

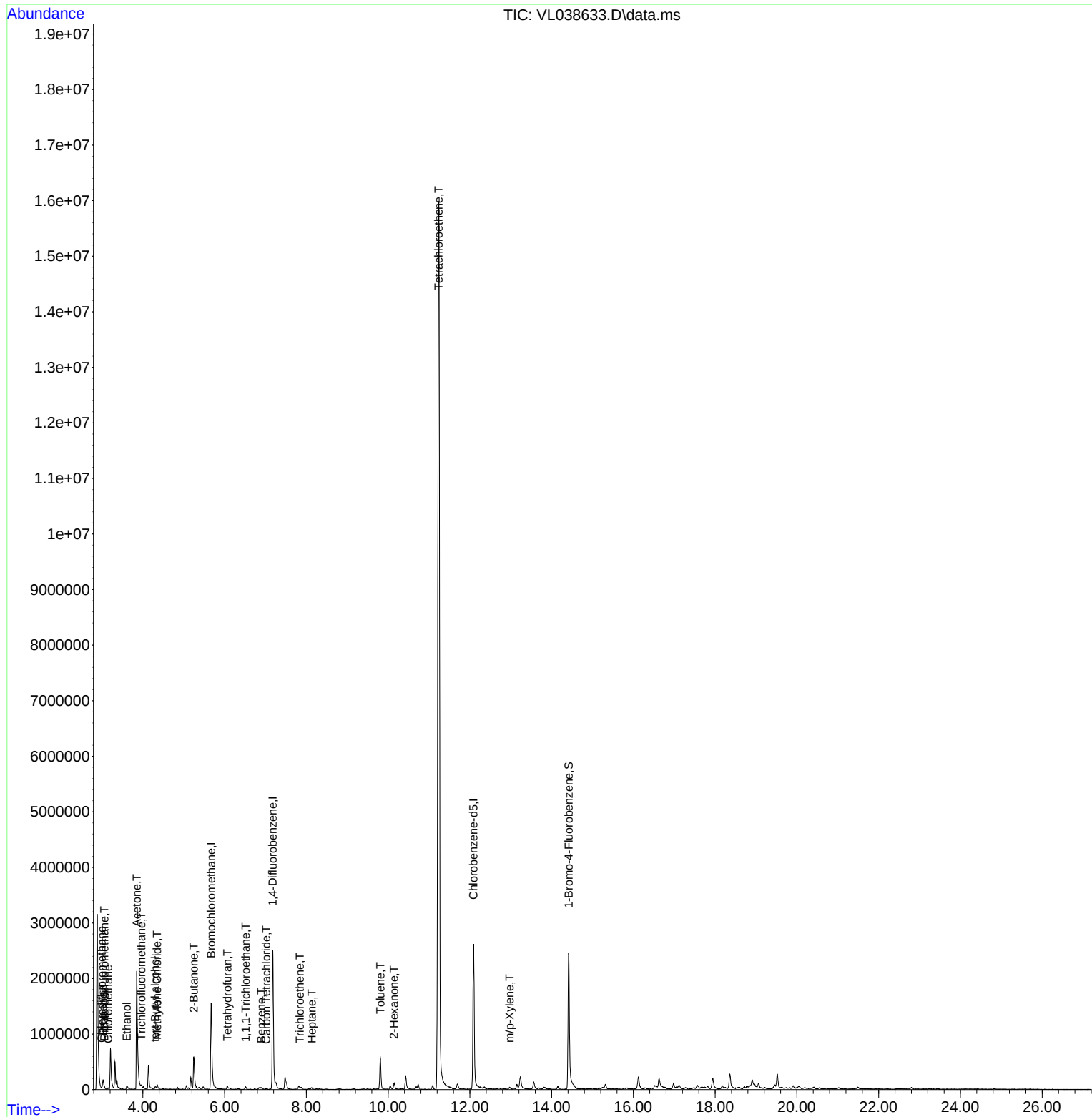
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031722\
Data File : VL038633.D
Acq On : 17 Mar 2022 19:46
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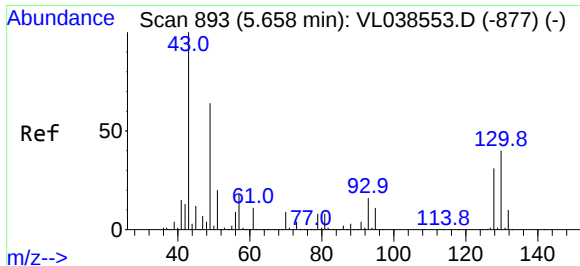
Instrument :
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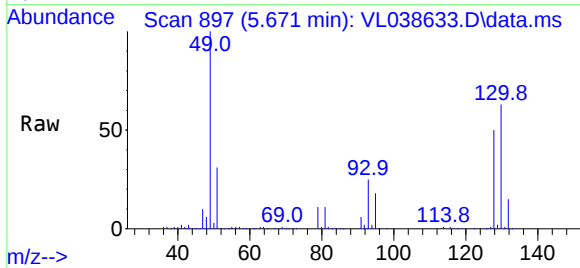
Quant Time: Mar 18 03:37:01 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030822AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Mar
QLast Update : Tue Mar 08 21:18:44 2022
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.671 min Scan# 89
Delta R.T. 0.013 min
Lab File: VL038633.D
Acq: 17 Mar 2022 19:46

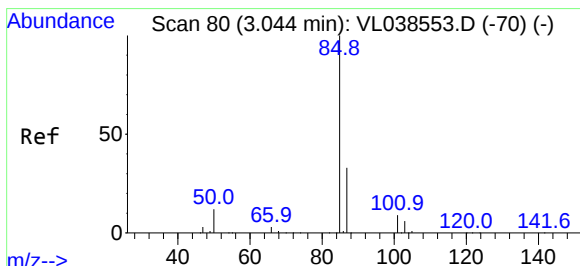
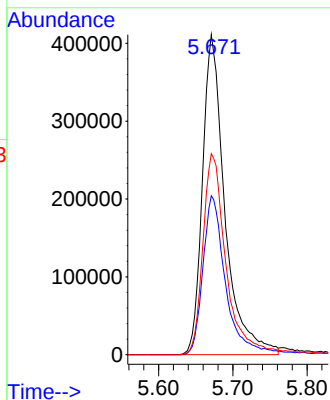
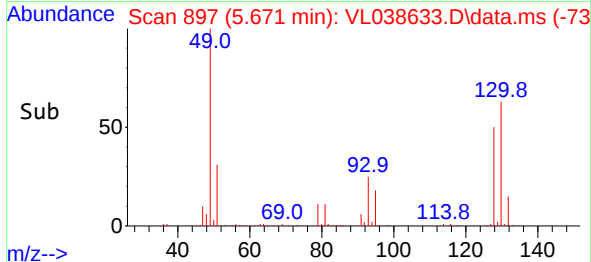
Instrument :
MSVOA_L
ClientSampleId :
COPA9



Tgt Ion: 49 Resp: 862190
Ion Ratio Lower Upper
49 100
128 51.0 26.4 79.2
130 66.5 33.0 98.9

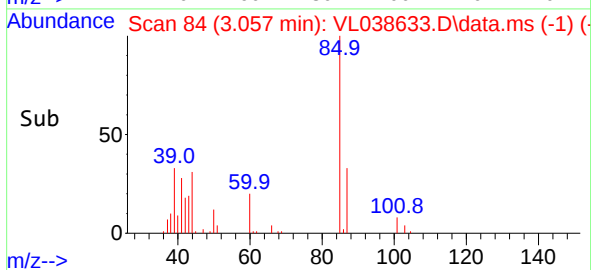
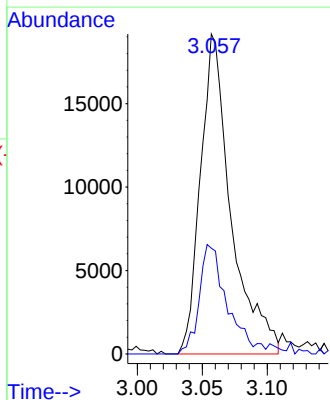
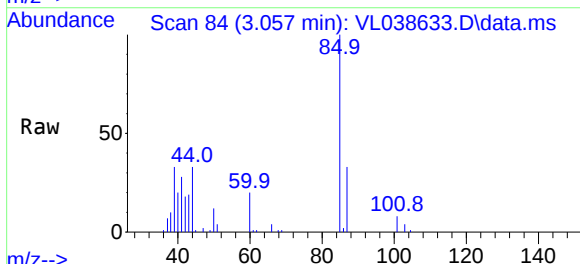
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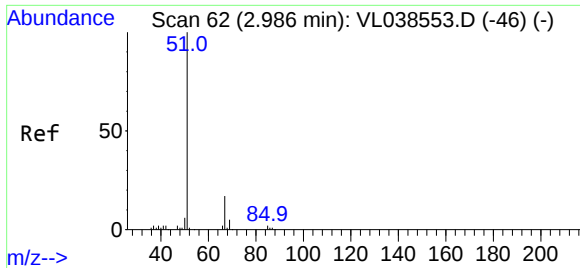
Reviewed By :Semsettin Yesilyurt 03/19/2022
Supervised By :Mahesh Dadoda 03/21/2022



#2
Dichlorodifluoromethane
Concen: 0.241 ppbv
RT: 3.057 min Scan# 84
Delta R.T. 0.013 min
Lab File: VL038633.D
Acq: 17 Mar 2022 19:46

Tgt Ion: 85 Resp: 31393
Ion Ratio Lower Upper
85 100
87 33.1 26.2 39.2





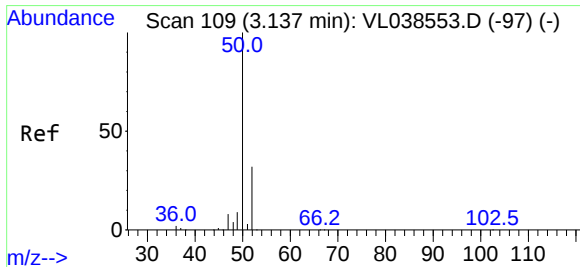
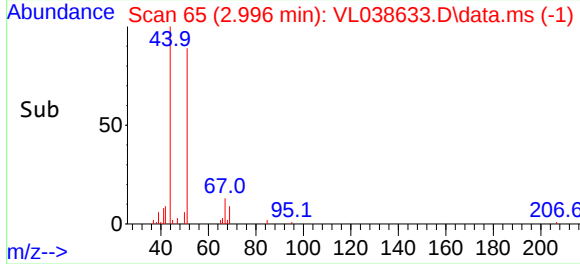
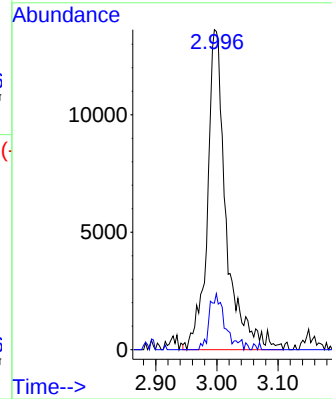
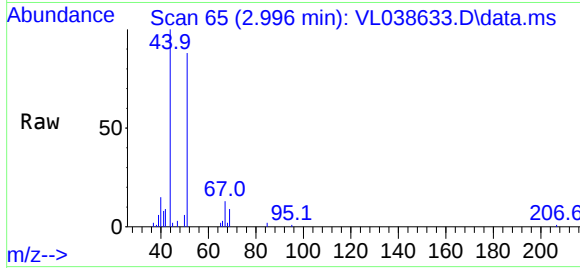
#3
Chlorodifluoromethane
Concen: 0.191 ppbv
RT: 2.996 min Scan# 61
Delta R.T. 0.010 min
Lab File: VL038633.D
Acq: 17 Mar 2022 19:46

Instrument :
MSVOA_L
ClientSampleId :
COPA9

Tgt Ion: 51 Resp: 2906
Ion Ratio Lower Upper
51 100
67 15.3 13.6 20.4

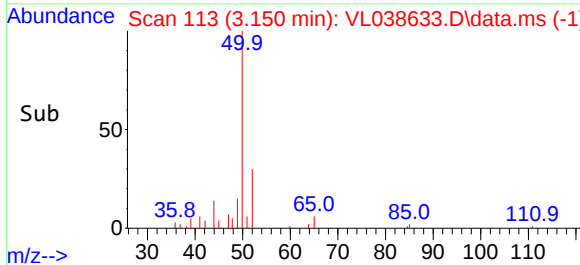
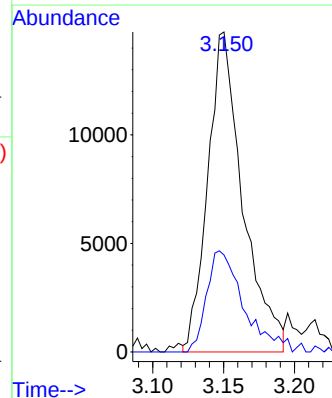
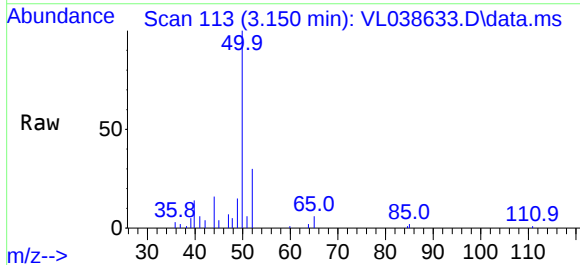
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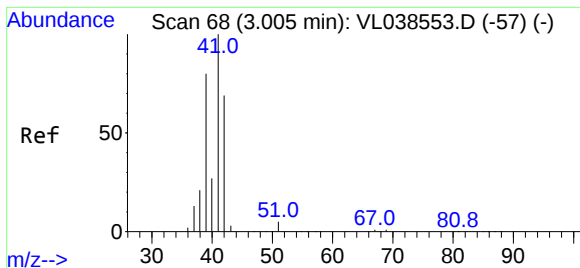
Reviewed By :Semsettin Yesilyurt 03/19/2022
Supervised By :Mahesh Dadoda 03/21/2022



#4
Chloromethane
Concen: 0.450 ppbv
RT: 3.150 min Scan# 113
Delta R.T. 0.013 min
Lab File: VL038633.D
Acq: 17 Mar 2022 19:46

Tgt Ion: 50 Resp: 25358
Ion Ratio Lower Upper
50 100
52 30.9 25.6 38.4





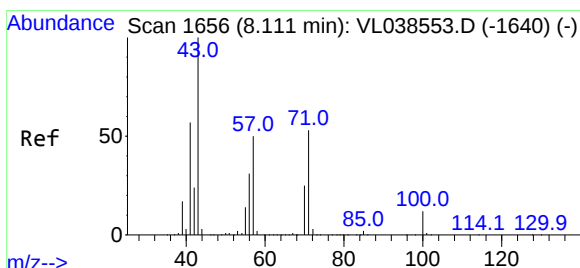
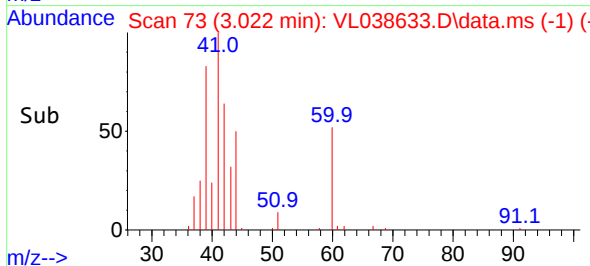
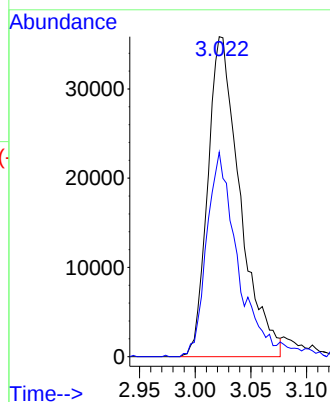
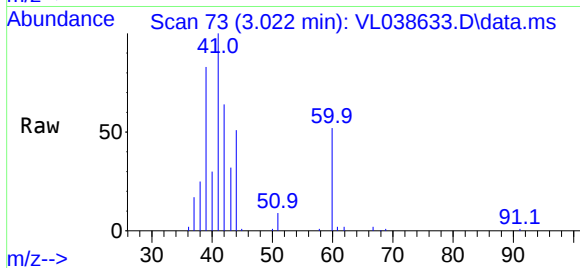
#9
Propene
Concen: 1.343 ppbv
RT: 3.022 min Scan# 71
Delta R.T. 0.016 min
Lab File: VL038633.D
Acq: 17 Mar 2022 19:46

Instrument :
MSVOA_L
ClientSampleId :
COPA9

Tgt Ion: 41 Resp: 72020
Ion Ratio Lower Upper
41 100
42 63.7 55.7 83.5

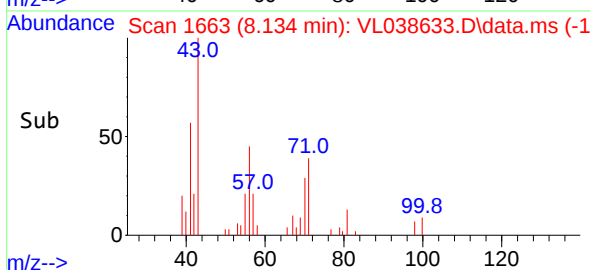
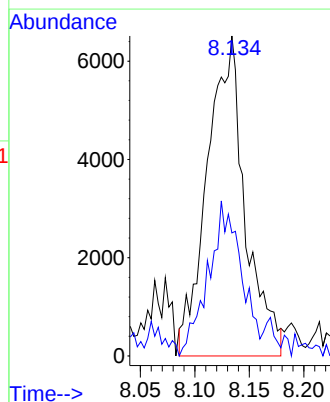
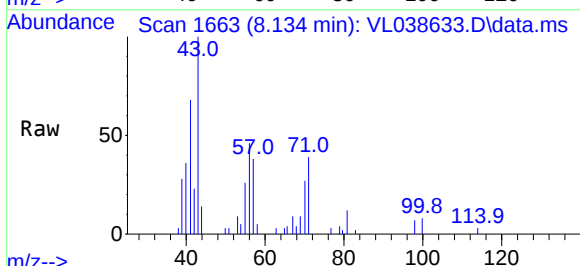
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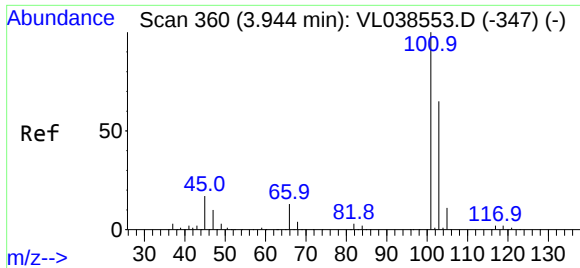
Reviewed By :Semsettin Yesilyurt 03/19/2022
Supervised By :Mahesh Dadoda 03/21/2022



#10
Heptane
Concen: 0.122 ppbv m
RT: 8.134 min Scan# 1663
Delta R.T. 0.023 min
Lab File: VL038633.D
Acq: 17 Mar 2022 19:46

Tgt Ion: 43 Resp: 15697
Ion Ratio Lower Upper
43 100
57 0.0 39.6 59.4#





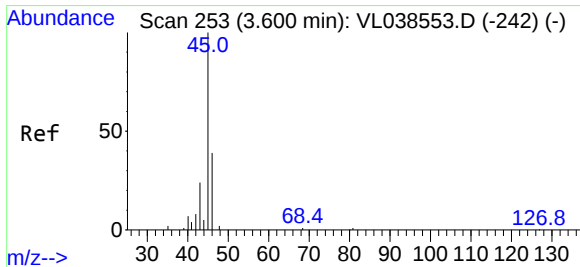
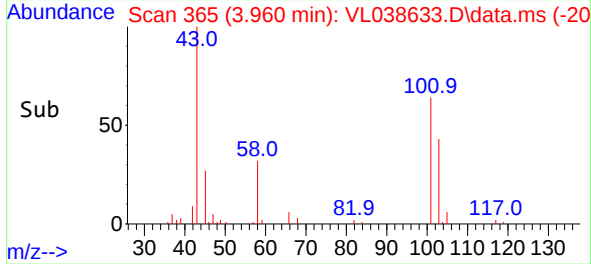
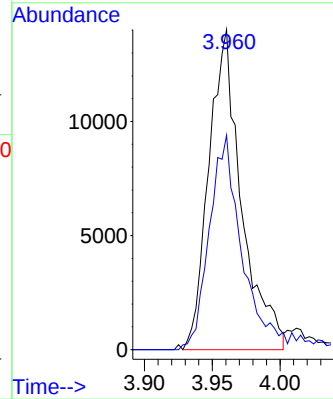
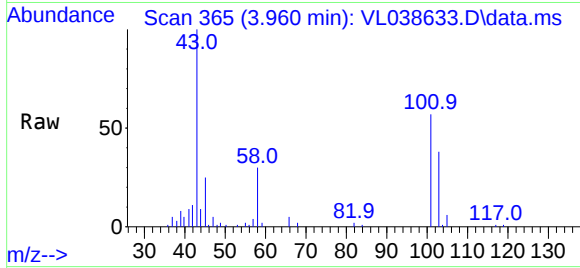
#11
Trichlorofluoromethane
Concen: 0.206 ppbv
RT: 3.960 min Scan# 30
Delta R.T. 0.016 min
Lab File: VL038633.D
Acq: 17 Mar 2022 19:46

Instrument :
MSVOA_L
ClientSampleId :
COPA9

Tgt Ion:101 Resp: 23510
Ion Ratio Lower Upper
101 100
103 65.5 52.0 78.0

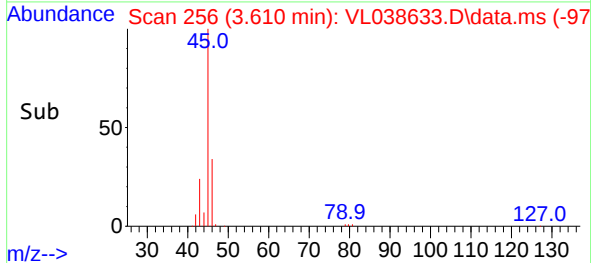
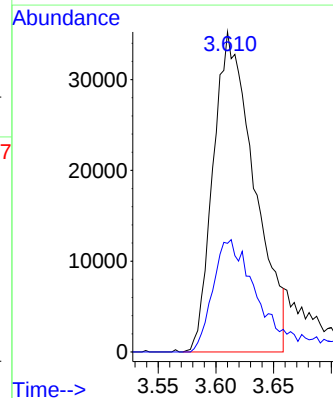
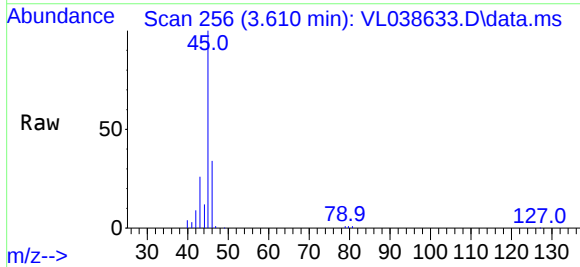
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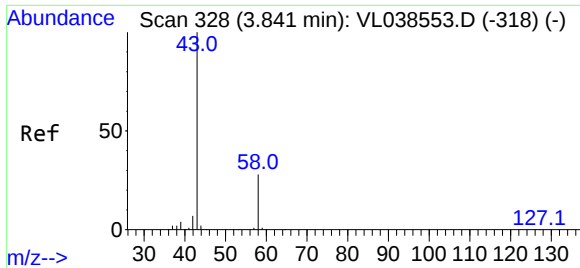
Reviewed By :Semsettin Yesilyurt 03/19/2022
Supervised By :Mahesh Dadoda 03/21/2022



#13
Ethanol
Concen: 14.188 ppbv
RT: 3.610 min Scan# 256
Delta R.T. 0.010 min
Lab File: VL038633.D
Acq: 17 Mar 2022 19:46

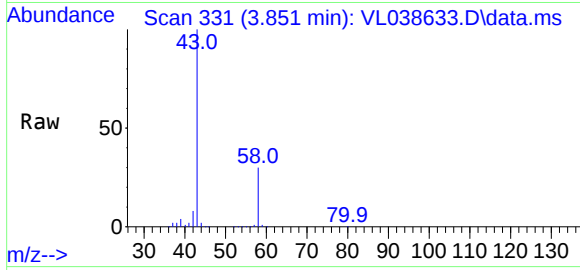
Tgt Ion: 45 Resp: 87432
Ion Ratio Lower Upper
45 100
46 42.0 16.8 67.0





#15
Acetone
Concen: 46.736 ppbv
RT: 3.851 min Scan# 31
Delta R.T. 0.010 min
Lab File: VL038633.D
Acq: 17 Mar 2022 19:46

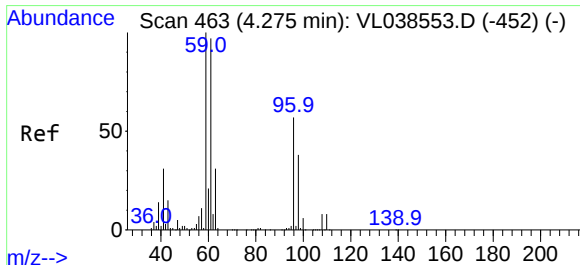
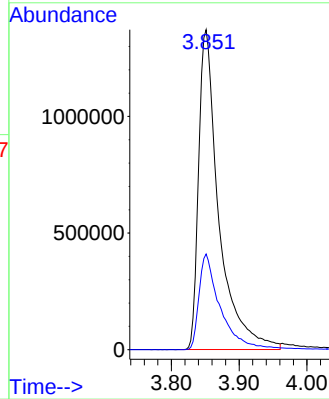
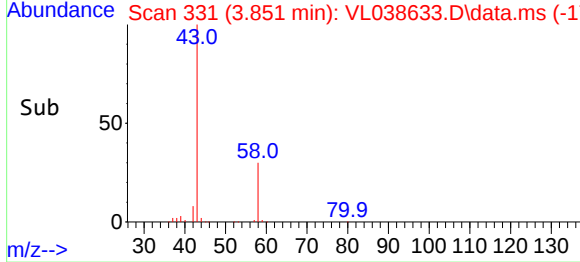
Instrument :
MSVOA_L
ClientSampleId :
COPA9



Tgt Ion: 43 Resp: 284231
Ion Ratio Lower Upper
43 100
58 32.4 22.7 34.1

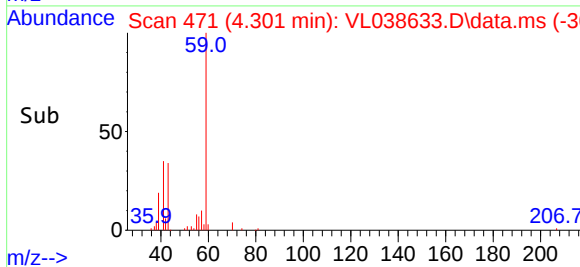
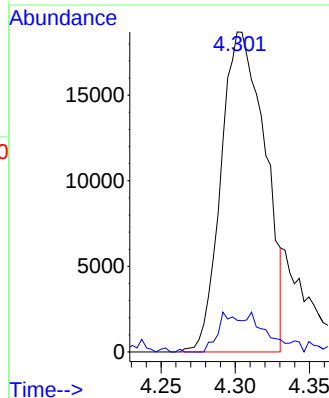
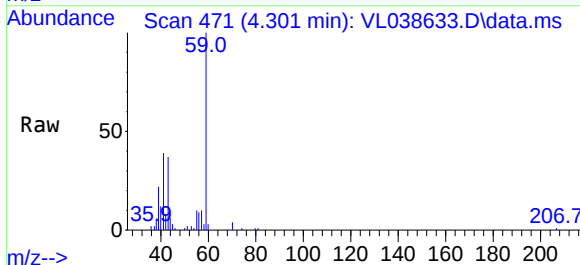
Manual Integrations
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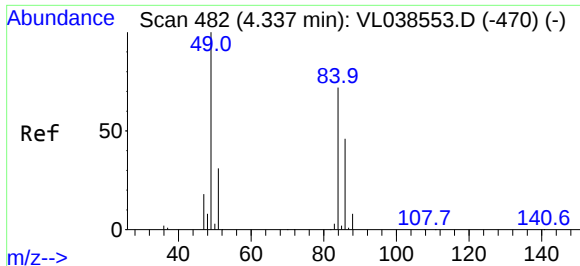
Reviewed By :Semsettin Yesilyurt 03/19/2022
Supervised By :Mahesh Dadoda 03/21/2022



#17
tert-Butyl alcohol
Concen: 0.583 ppbv
RT: 4.301 min Scan# 471
Delta R.T. 0.026 min
Lab File: VL038633.D
Acq: 17 Mar 2022 19:46

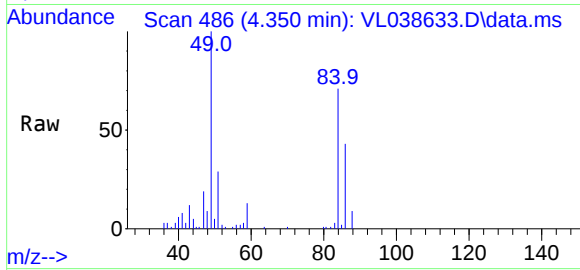
Tgt Ion: 59 Resp: 38518
Ion Ratio Lower Upper
59 100
57 13.6 8.1 12.1#





#20
Methylene Chloride
Concen: 0.847 ppbv
RT: 4.350 min Scan# 41
Delta R.T. 0.013 min
Lab File: VL038633.D
Acq: 17 Mar 2022 19:46

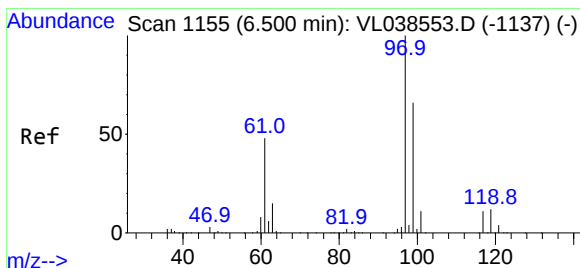
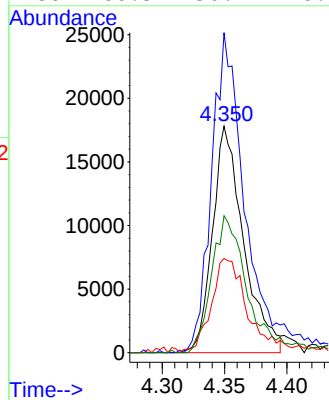
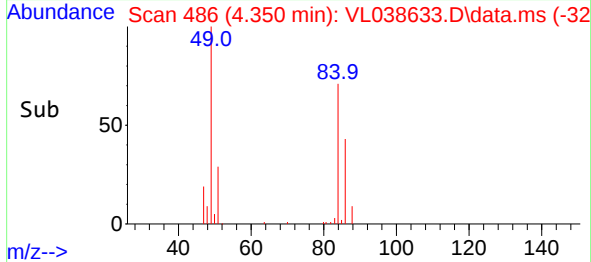
Instrument :
MSVOA_L
ClientSampleId :
C0PA9



Tgt Ion: 84 Resp: 30980
Ion Ratio Lower Upper
84 100
49 138.5 111.1 166.7
51 41.7 34.0 51.0
86 60.5 50.9 76.3

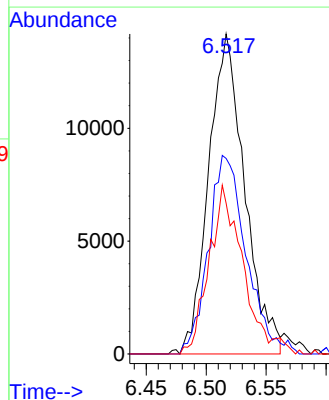
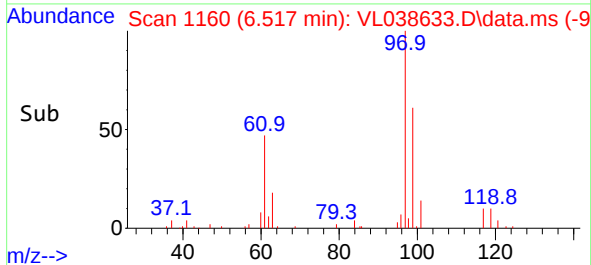
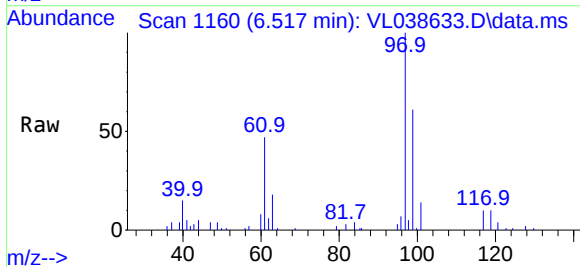
Manual Integrations
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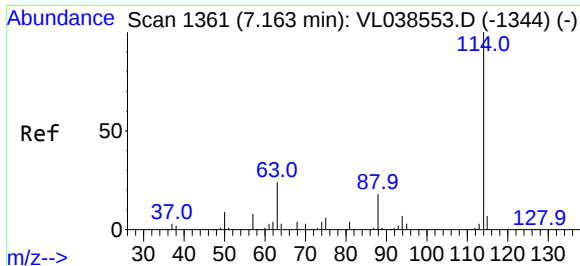
Reviewed By :Semsettin Yesilyurt 03/19/2022
Supervised By :Mahesh Dadoda 03/21/2022



#32
1,1,1-Trichloroethane
Concen: 0.204 ppbv
RT: 6.517 min Scan# 1160
Delta R.T. 0.016 min
Lab File: VL038633.D
Acq: 17 Mar 2022 19:46

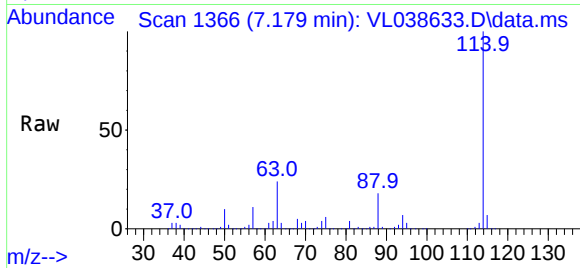
Tgt Ion: 97 Resp: 29546
Ion Ratio Lower Upper
97 100
99 65.3 52.1 78.1
61 50.1 37.7 56.5





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.179 min Scan# 111
Delta R.T. 0.016 min
Lab File: VL038633.D
Acq: 17 Mar 2022 19:46

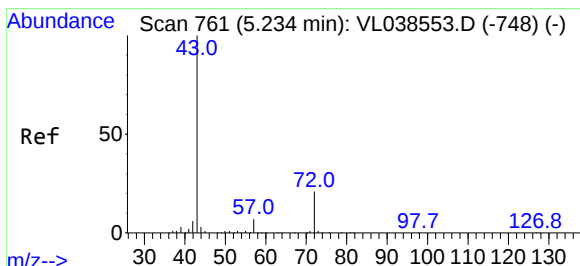
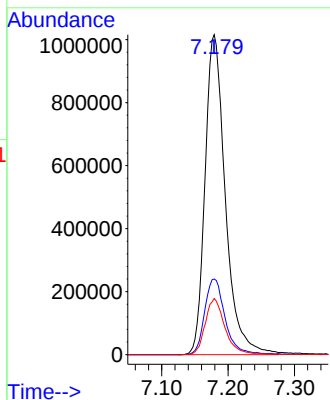
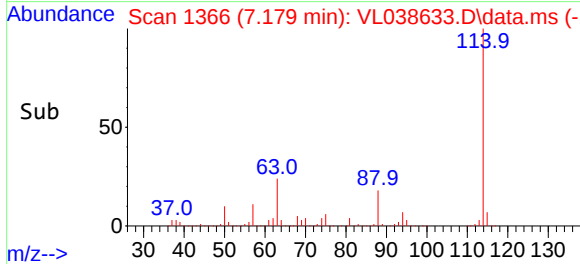
Instrument :
MSVOA_L
ClientSampleId :
C0PA9



Tgt Ion:114 Resp: 2163864
Ion Ratio Lower Upper
114 100
63 24.2 19.6 29.4
88 17.3 13.9 20.9

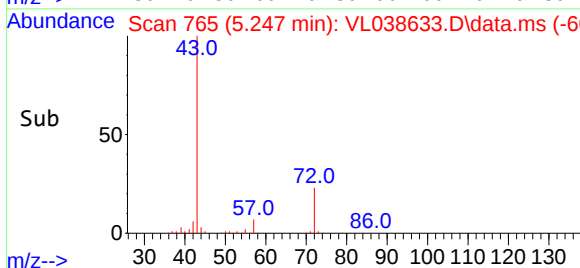
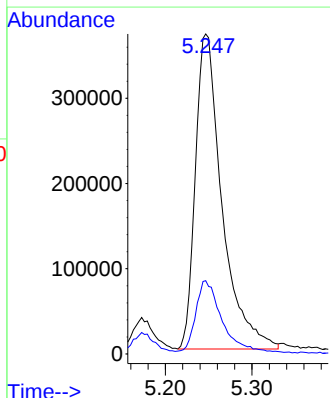
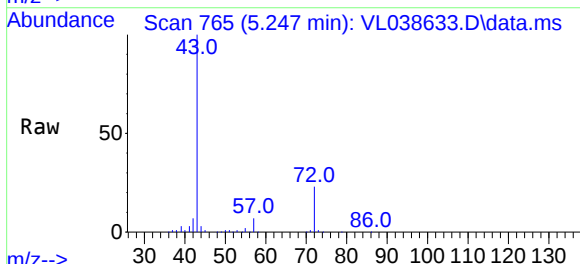
Manual Integrations
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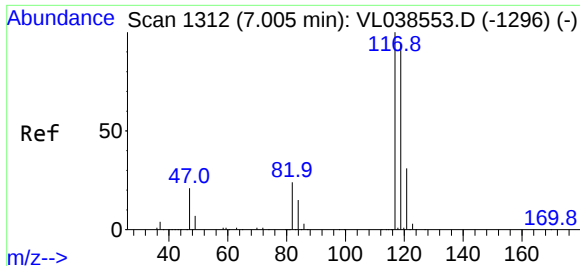
Reviewed By :Semsettin Yesilyurt 03/19/2022
Supervised By :Mahesh Dadoda 03/21/2022



#34
2-Butanone
Concen: 14.076 ppbv
RT: 5.247 min Scan# 765
Delta R.T. 0.013 min
Lab File: VL038633.D
Acq: 17 Mar 2022 19:46

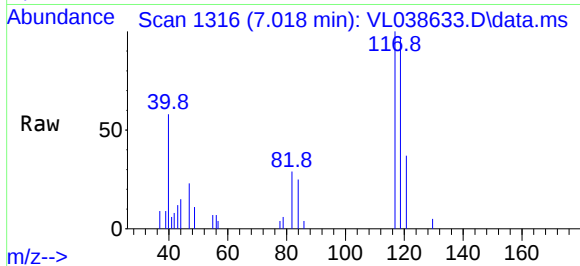
Tgt Ion: 43 Resp: 789493
Ion Ratio Lower Upper
43 100
72 24.5 17.8 26.6





#35
Carbon Tetrachloride
Concen: 0.058 ppbv m
RT: 7.018 min Scan# 111
Delta R.T. 0.013 min
Lab File: VL038633.D
Acq: 17 Mar 2022 19:46

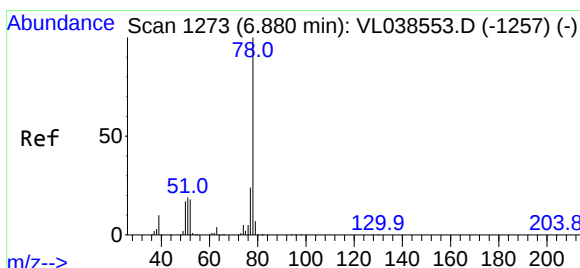
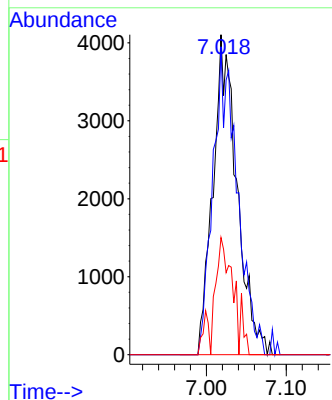
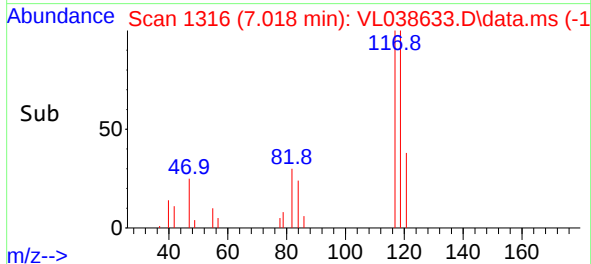
Instrument :
MSVOA_L
ClientSampleId :
C0PA9



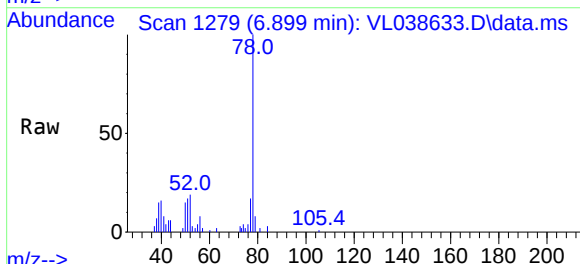
Tgt Ion: 117 Resp: 8604
Ion Ratio Lower Upper
117 100
119 96.2 75.2 112.8
121 36.6 24.8 37.2

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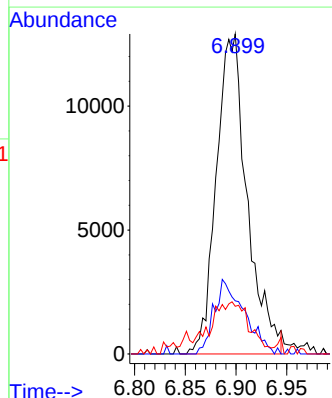
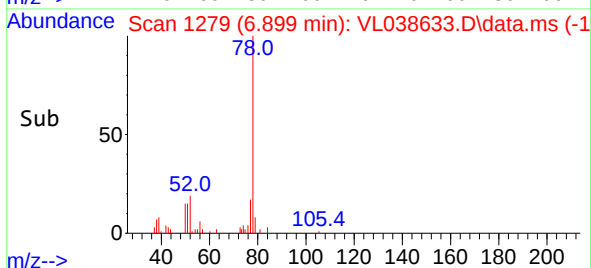
Reviewed By :Semsettin Yesilyurt 03/19/2022
Supervised By :Mahesh Dadoda 03/21/2022

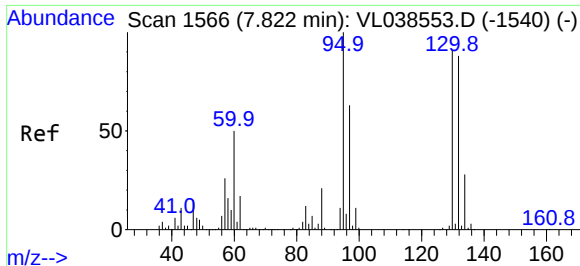


#36
Benzene
Concen: 0.139 ppbv m
RT: 6.899 min Scan# 1279
Delta R.T. 0.019 min
Lab File: VL038633.D
Acq: 17 Mar 2022 19:46



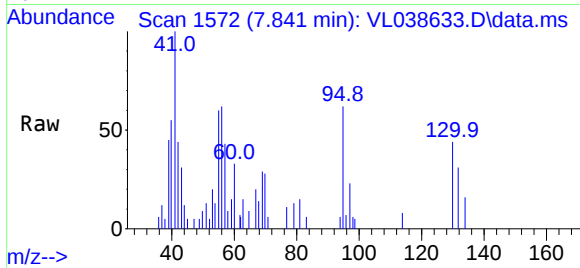
Tgt Ion: 78 Resp: 27214
Ion Ratio Lower Upper
78 100
77 16.6 19.0 28.4#
50 14.9 13.9 20.9





#38
Trichloroethene
Concen: 0.035 ppbv m
RT: 7.841 min Scan# 11
Delta R.T. 0.019 min
Lab File: VL038633.D
Acq: 17 Mar 2022 19:46

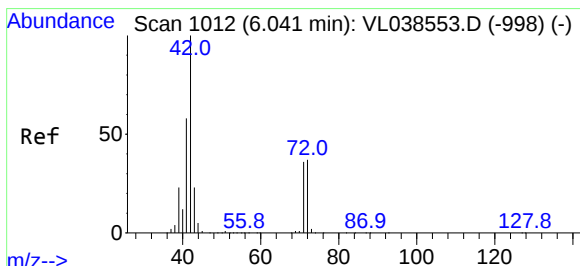
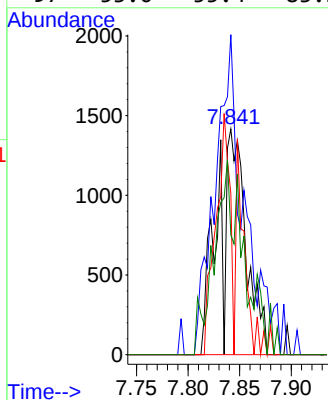
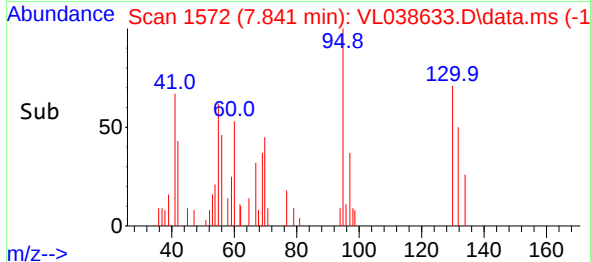
Instrument :
MSVOA_L
ClientSampleId :
C0PA9



Tgt Ion:130 Resp: 270
Ion Ratio Lower Upper
130 100
95 141.7 87.8 131.8
132 71.6 77.5 116.3
97 53.0 55.4 83.2

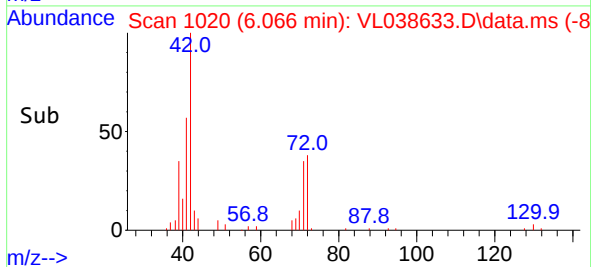
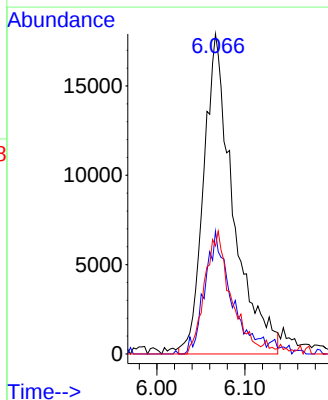
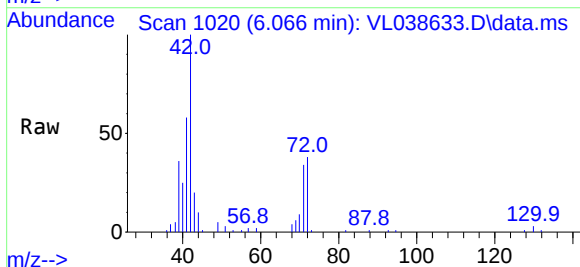
Manual Integrations
APPROVED

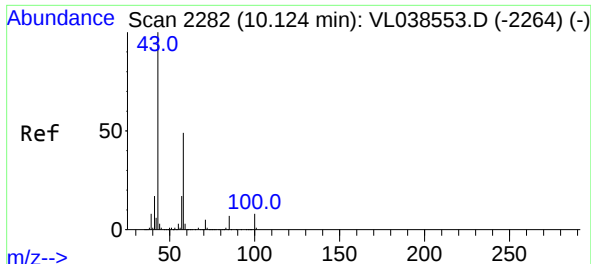
Reviewed By :Semsettin Yesilyurt 03/19/2022
Supervised By :Mahesh Dadoda 03/21/2022



#41
Tetrahydrofuran
Concen: 0.911 ppbv m
RT: 6.066 min Scan# 1020
Delta R.T. 0.026 min
Lab File: VL038633.D
Acq: 17 Mar 2022 19:46

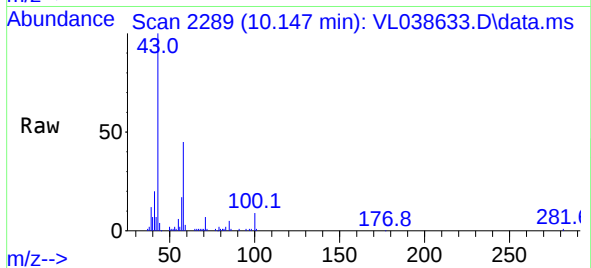
Tgt Ion: 42 Resp: 41805
Ion Ratio Lower Upper
42 100
72 36.9 30.9 46.3
71 36.4 29.1 43.7





#51
2-Hexanone
Concen: 2.006 ppbv
RT: 10.147 min Scan# 21
Delta R.T. 0.023 min
Lab File: VL038633.D
Acq: 17 Mar 2022 19:46

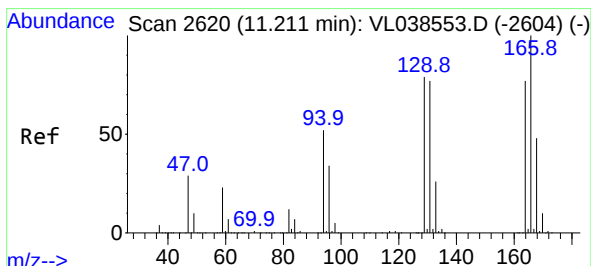
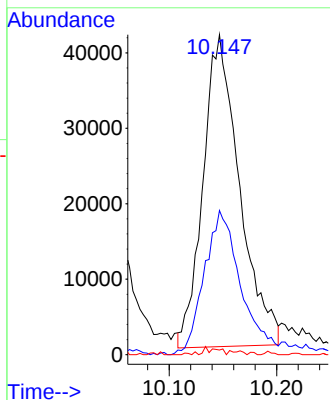
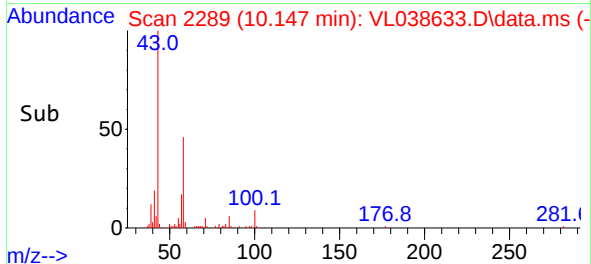
Instrument :
MSVOA_L
ClientSampleId :
C0PA9



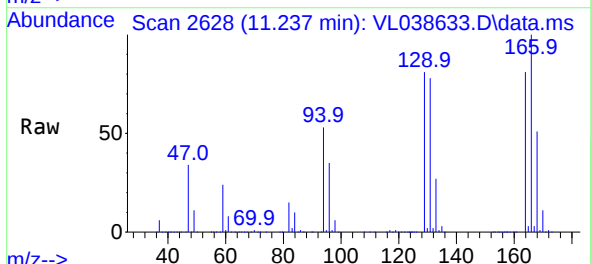
Tgt Ion: 43 Resp: 97474
Ion Ratio Lower Upper
43 100
58 49.1 40.1 60.1
98 1.9 0.4 0.6

Manual Integrations
APPROVED

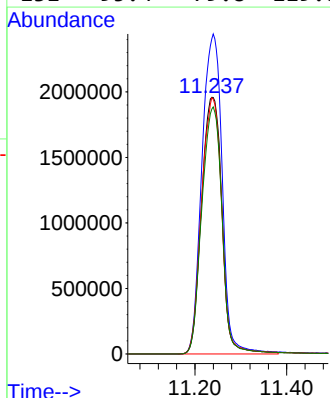
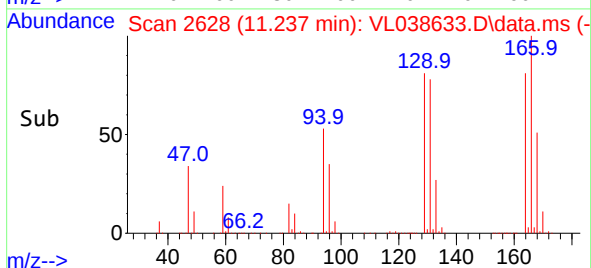
Reviewed By :Semsettin Yesilyurt 03/19/2022
Supervised By :Mahesh Dadoda 03/21/2022

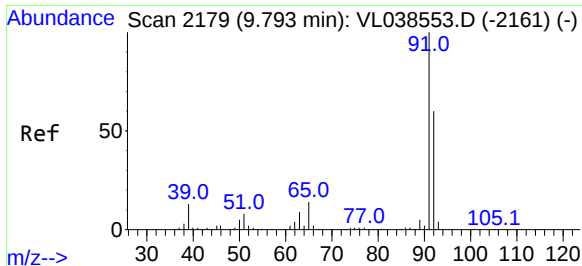


#52
Tetrachloroethene
Concen: 84.089 ppbv
RT: 11.237 min Scan# 2628
Delta R.T. 0.026 min
Lab File: VL038633.D
Acq: 17 Mar 2022 19:46



Tgt Ion:164 Resp: 6018342
Ion Ratio Lower Upper
164 100
166 122.8 103.4 155.2
129 99.8 81.3 121.9
131 95.4 79.8 119.8





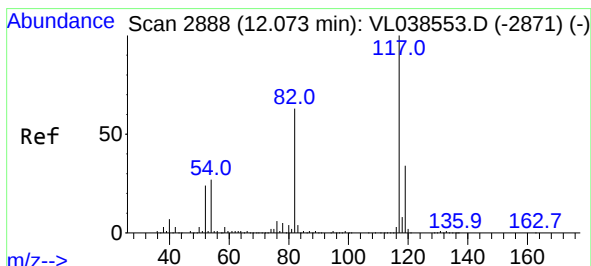
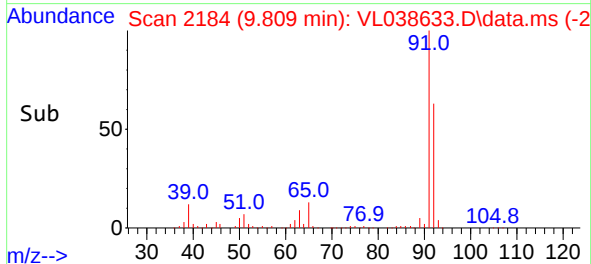
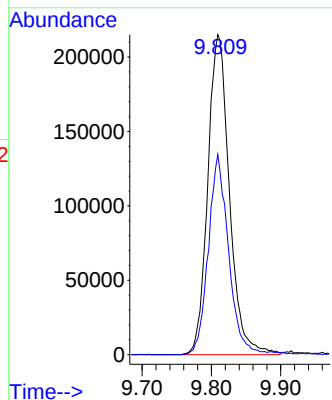
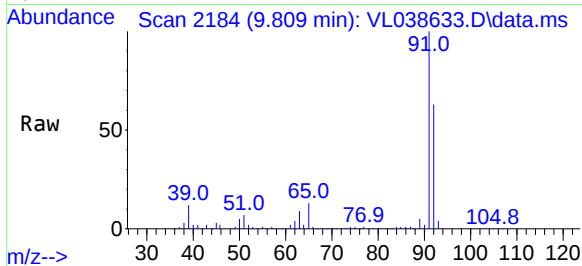
#53
Toluene
Concen: 2.235 ppbv
RT: 9.809 min Scan# 2179
Delta R.T. 0.016 min
Lab File: VL038633.D
Acq: 17 Mar 2022 19:46

Instrument :
MSVOA_L
ClientSampleId :
C0PA9

Tgt Ion: 91 Resp: 46595
Ion Ratio Lower Upper
91 100
92 59.3 48.1 72.1

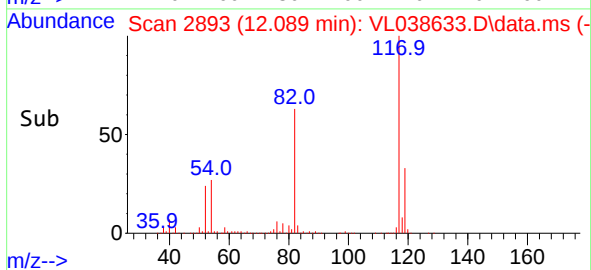
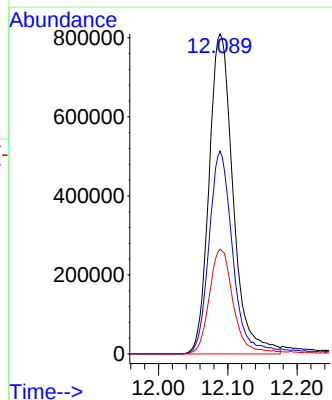
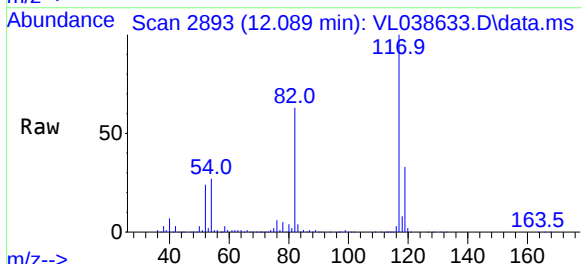
Manual Integrations
APPROVED

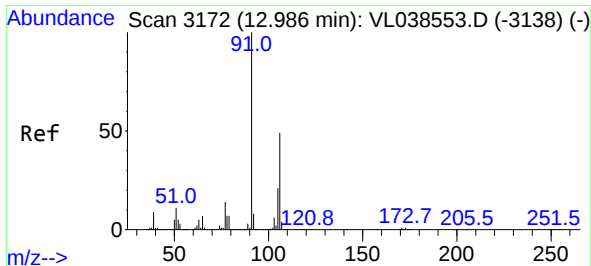
Reviewed By :Semsettin Yesilyurt 03/19/2022
Supervised By :Mahesh Dadoda 03/21/2022



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.089 min Scan# 2893
Delta R.T. 0.016 min
Lab File: VL038633.D
Acq: 17 Mar 2022 19:46

Tgt Ion:117 Resp: 1952560
Ion Ratio Lower Upper
117 100
82 65.3 52.5 78.7
119 33.4 46.4 69.6#





#59

m/p-Xylene

Concen: 0.137 ppbv m

RT: 12.970 min Scan# 3172

Delta R.T. -0.016 min

Lab File: VL038633.D

Acq: 17 Mar 2022 19:46

Instrument :

MSVOA_L

ClientSampleId :

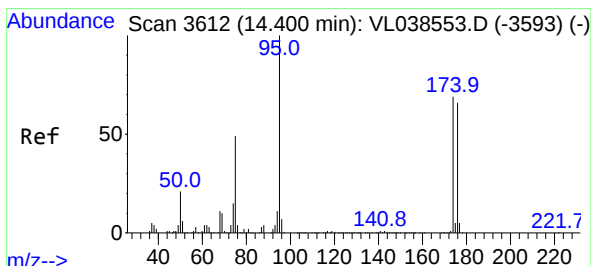
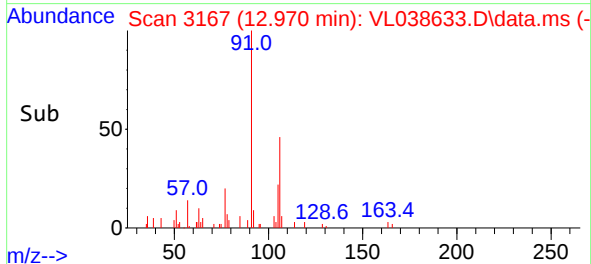
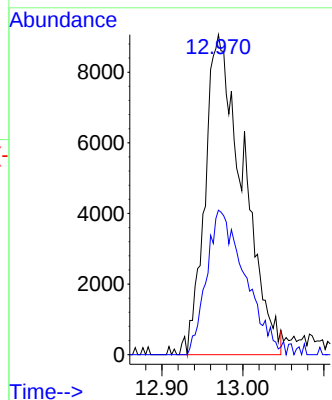
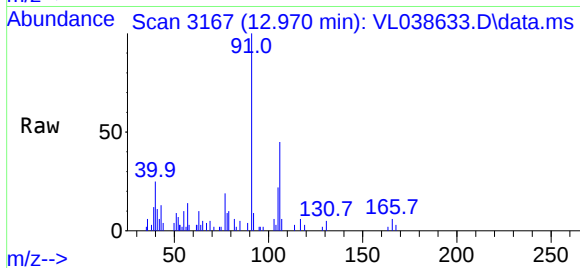
COPA9

Tgt Ion: 91 Resp: 2965
 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: 9.527 ppbv

RT: 14.417 min Scan# 3617

Delta R.T. 0.016 min

Lab File: VL038633.D

Acq: 17 Mar 2022 19:46

Tgt Ion: 95 Resp: 1414334
 Ion Ratio Lower Upper
 95 100
 174 72.5 56.2 84.4
 175 5.2 4.2 6.2

