

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032822\
 Data File : VL038790.D
 Acq On : 29 Mar 2022 3:38
 Operator : SY/AP
 Sample : N2136-03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1

Manual Integrations
 APPROVED

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

Quant Time: Mar 29 06:15:26 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 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	5.661	49	908620	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.166	114	2594473	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.073	117	2318161	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.400	95	1640329	9.229	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	92.300%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	3.050	85	77210	0.632	ppbv	96
3) Chlorodifluoromethane	2.993	51	77063	0.803	ppbv #	83
4) Chloromethane	3.144	50	31763	0.603	ppbv	98
9) Propene	3.021	41	52116	1.125	ppbv #	82
11) Trichlorofluoromethane	3.954	101	24810m	0.230	ppbv	
13) Ethanol	3.603	45	148693	29.094	ppbv	97
15) Acetone	3.851	43	360774	4.602	ppbv	97
19) Isopropyl Alcohol	3.970	45	84720	1.949	ppbv #	1
20) Methylene Chloride	4.346	84	27688m	0.838	ppbv	
26) Hexane	5.687	57	37796	0.428	ppbv #	61
34) 2-Butanone	5.246	43	84965m	0.827	ppbv	
35) Carbon Tetrachloride	7.008	117	7753m	0.052	ppbv	
36) Benzene	6.883	78	60592	0.303	ppbv	98
52) Tetrachloroethene	11.211	164	9960m	0.136	ppbv	
53) Toluene	9.793	91	154848	0.720	ppbv	99
59) m/p-Xylene	12.954	91	45652m	0.193	ppbv	

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

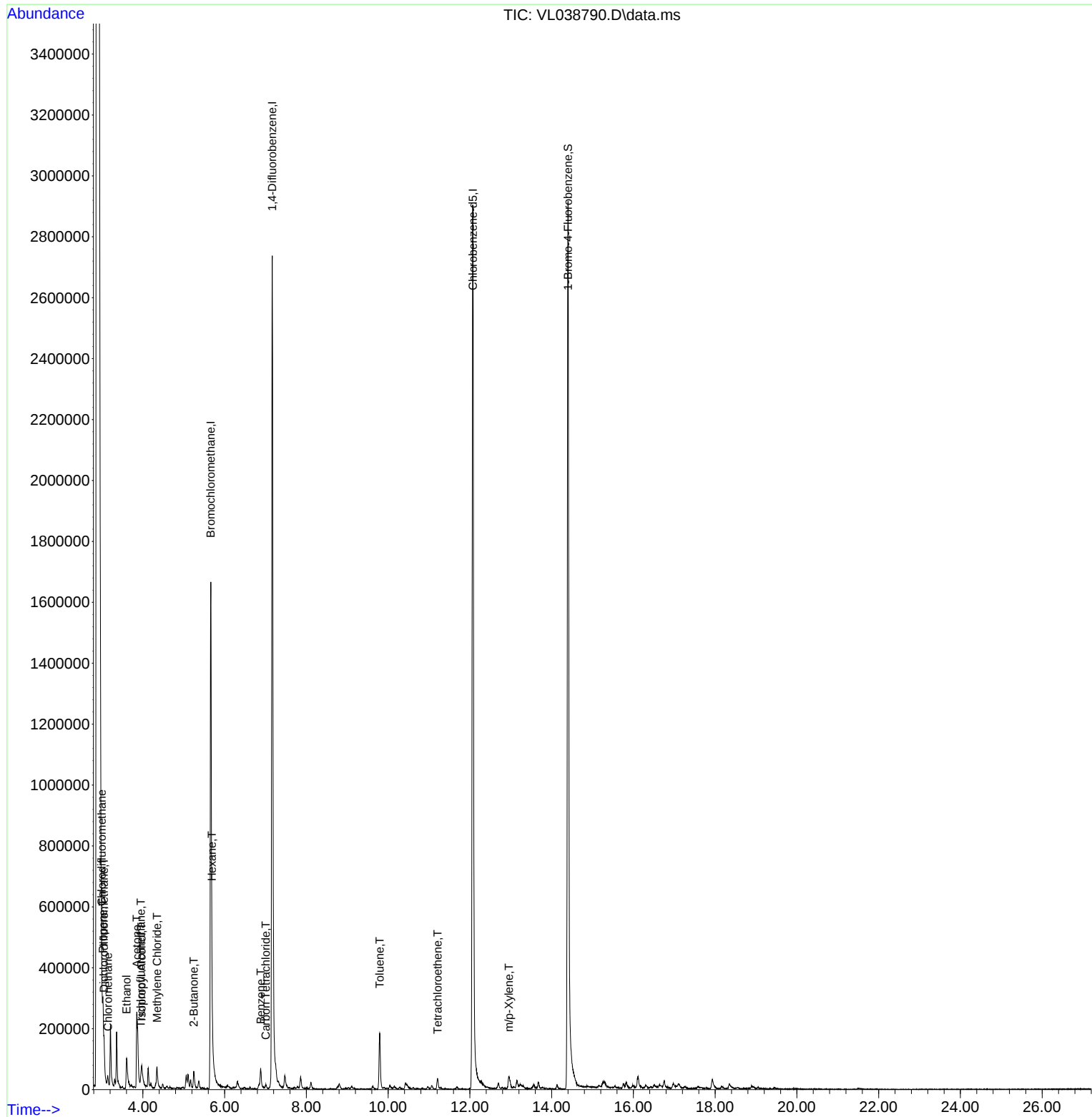
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032822\
Data File : VL038790.D
Acq On : 29 Mar 2022 3:38
Operator : SY/AP
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ALS Vial : 1 Sample Multiplier: 1

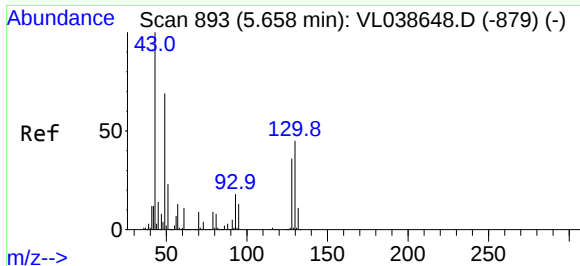
Instrument :
MSVOA_L
ClientSampleId :
OA1

Quant Time: Mar 29 06:15:26 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

Manual Integrations
APPROVED

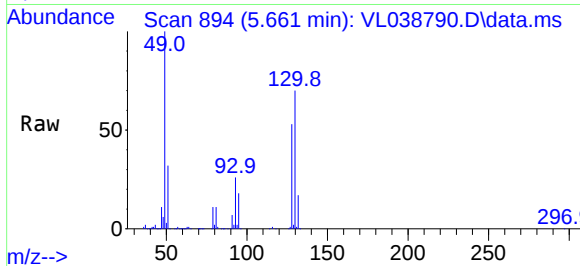
Reviewed By : Semsettin Yesilyurt 03/29/2022
Supervised By : Mahesh Dadoda 03/29/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.661 min Scan# 89
Delta R.T. 0.003 min
Lab File: VL038790.D
Acq: 29 Mar 2022 3:38

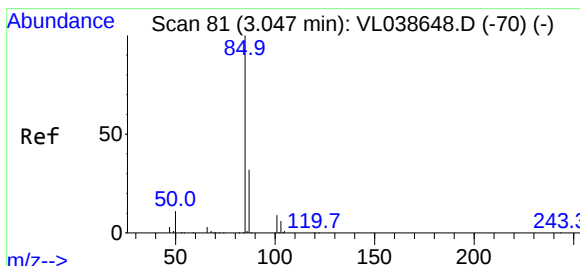
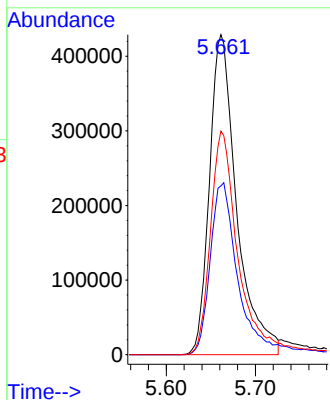
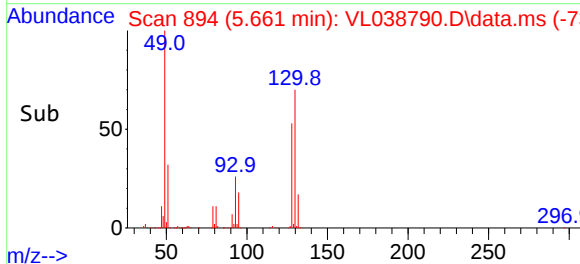
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion: 49 Resp: 908620
Ion Ratio Lower Upper
49 100
128 58.2 26.2 78.6
130 75.3 33.7 101.1

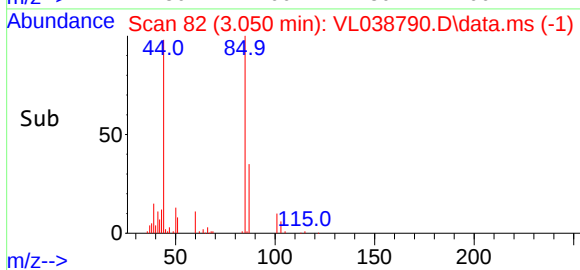
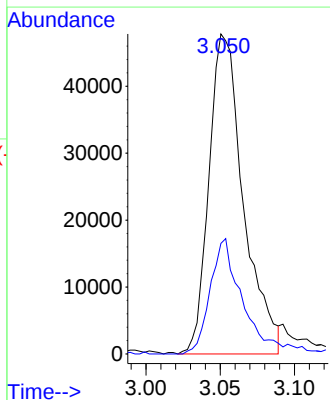
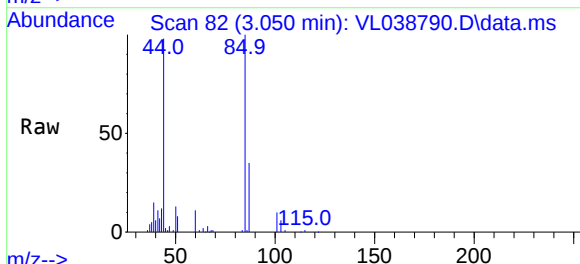
Manual Integrations
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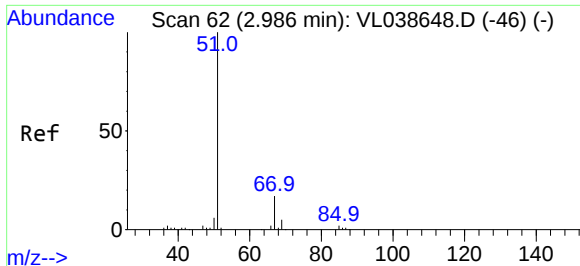
Reviewed By :Semsettin Yesilyurt 03/29/2022
Supervised By :Mahesh Dadoda 03/29/2022



#2
Dichlorodifluoromethane
Concen: 0.632 ppbv
RT: 3.050 min Scan# 82
Delta R.T. 0.003 min
Lab File: VL038790.D
Acq: 29 Mar 2022 3:38

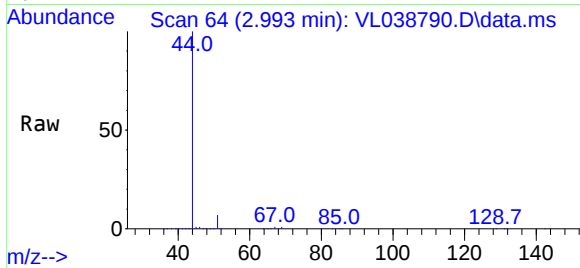
Tgt Ion: 85 Resp: 77210
Ion Ratio Lower Upper
85 100
87 34.6 26.0 39.0





#3
Chlorodifluoromethane
Concen: 0.803 ppbv
RT: 2.993 min Scan# 64
Delta R.T. 0.006 min
Lab File: VL038790.D
Acq: 29 Mar 2022 3:38

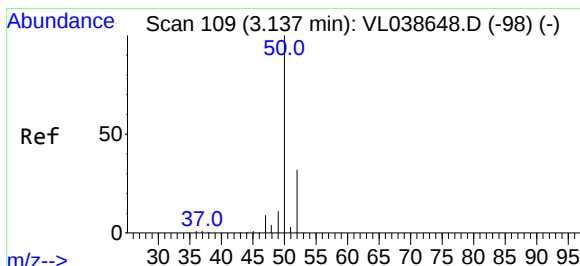
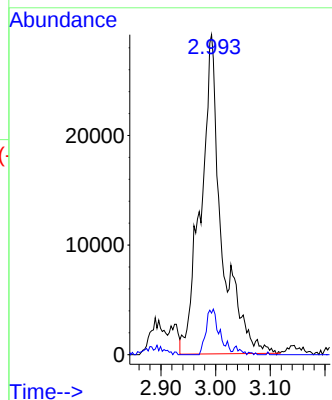
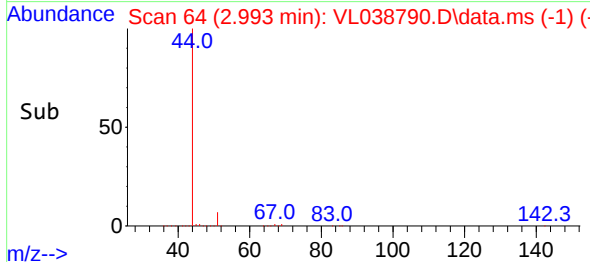
Instrument :
MSVOA_L
ClientSampleId :
OA1



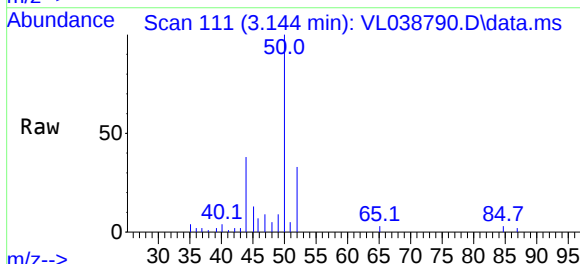
Tgt Ion: 51 Resp: 77063
Ion Ratio Lower Upper
51 100
67 10.1 14.1 21.1

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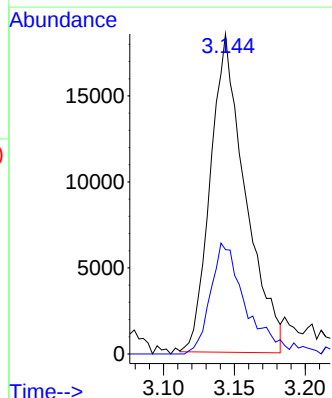
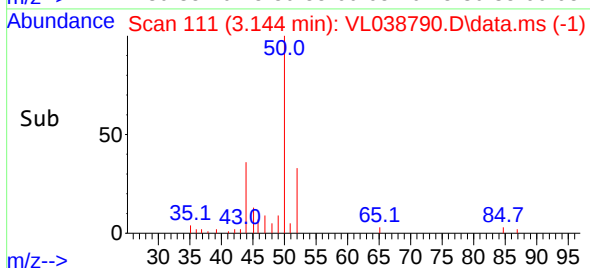
Reviewed By :Semsettin Yesilyurt 03/29/2022
Supervised By :Mahesh Dadoda 03/29/2022

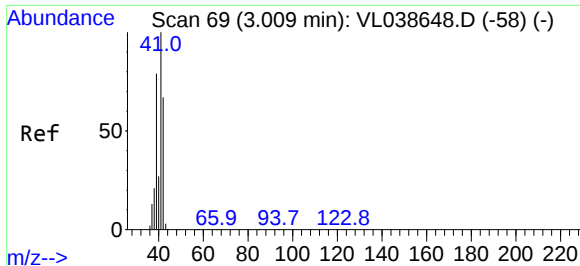


#4
Chloromethane
Concen: 0.603 ppbv
RT: 3.144 min Scan# 111
Delta R.T. 0.006 min
Lab File: VL038790.D
Acq: 29 Mar 2022 3:38



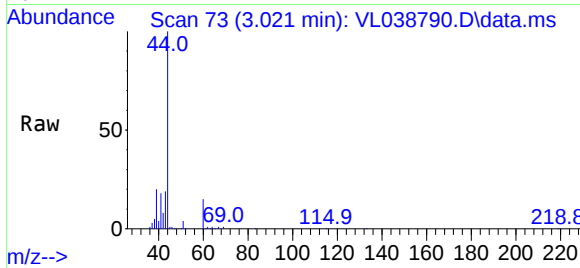
Tgt Ion: 50 Resp: 31763
Ion Ratio Lower Upper
50 100
52 32.9 25.5 38.3





#9
Propene
Concen: 1.125 ppbv
RT: 3.021 min Scan# 71
Delta R.T. 0.013 min
Lab File: VL038790.D
Acq: 29 Mar 2022 3:38

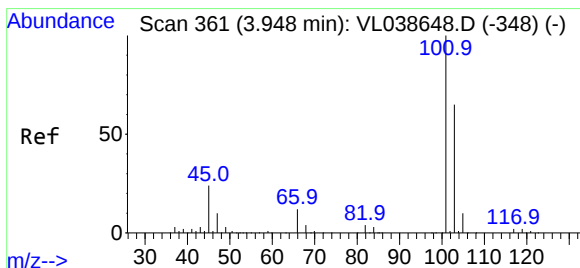
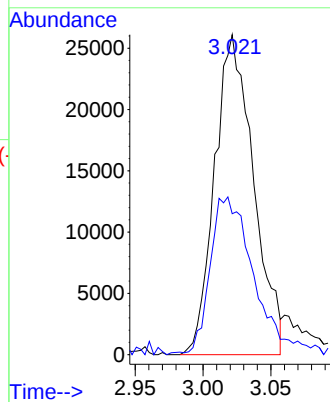
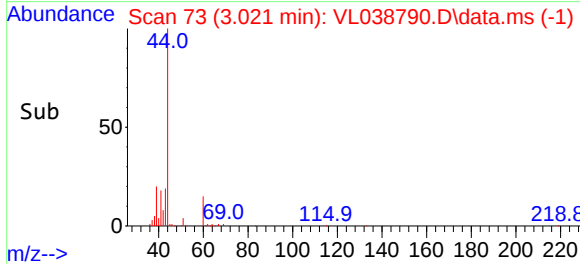
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion: 41 Resp: 52110
Ion Ratio Lower Upper
41 100
42 55.5 56.2 84.4

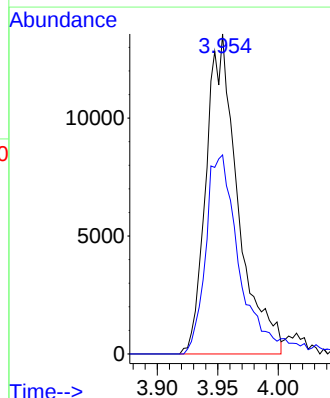
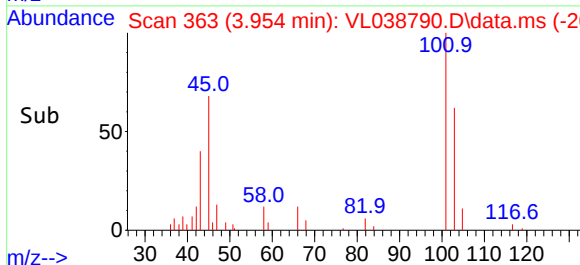
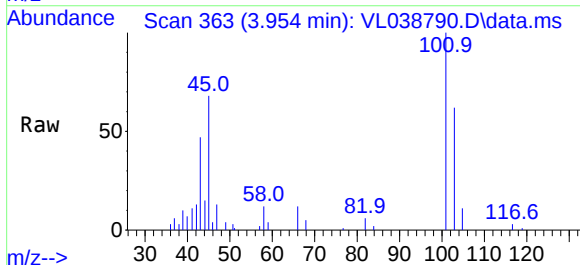
Manual Integrations
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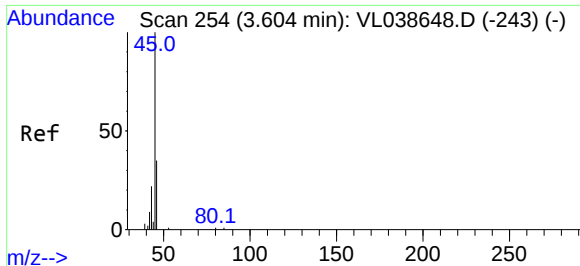
Reviewed By :Semsettin Yesilyurt 03/29/2022
Supervised By :Mahesh Dadoda 03/29/2022



#11
Trichlorofluoromethane
Concen: 0.230 ppbv m
RT: 3.954 min Scan# 363
Delta R.T. 0.006 min
Lab File: VL038790.D
Acq: 29 Mar 2022 3:38

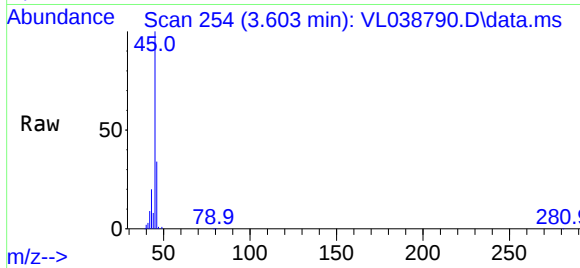
Tgt Ion:101 Resp: 24810
Ion Ratio Lower Upper
101 100
103 62.2 51.9 77.9





#13
Ethanol
Concen: 29.094 ppbv
RT: 3.603 min Scan# 21
Delta R.T. -0.000 min
Lab File: VL038790.D
Acq: 29 Mar 2022 3:38

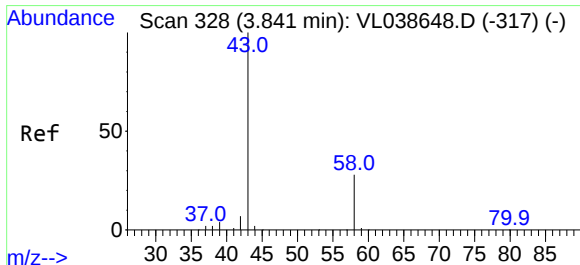
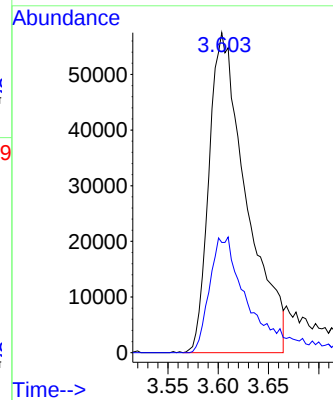
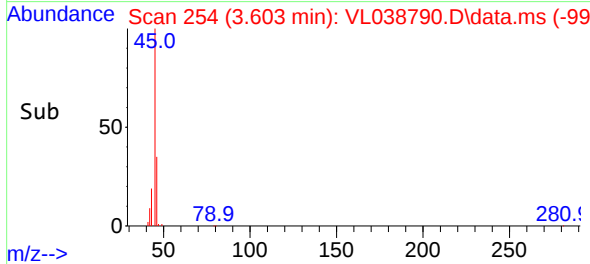
Instrument :
MSVOA_L
ClientSampleId :
OA1



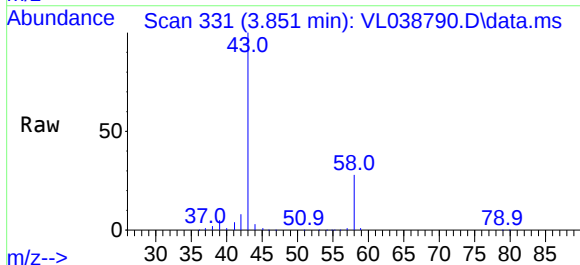
Tgt Ion: 45 Resp: 14869
Ion Ratio Lower Upper
45 100
46 39.4 15.1 60.5

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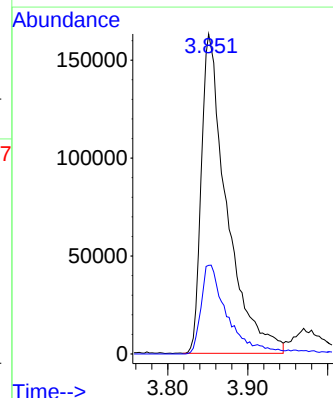
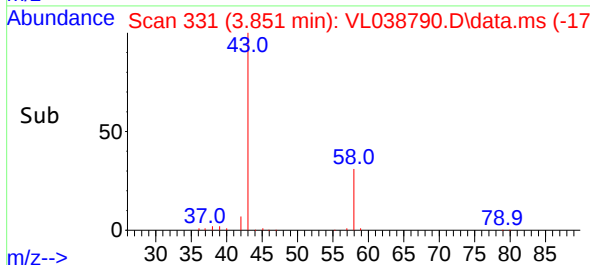
Reviewed By :Semsettin Yesilyurt 03/29/2022
Supervised By :Mahesh Dadoda 03/29/2022

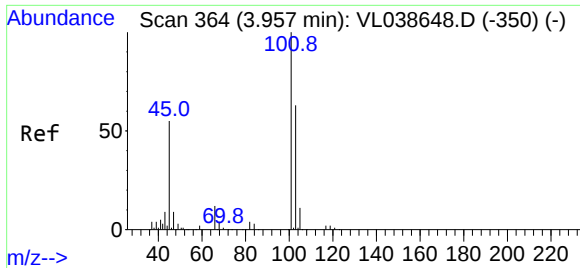


#15
Acetone
Concen: 4.602 ppbv
RT: 3.851 min Scan# 331
Delta R.T. 0.010 min
Lab File: VL038790.D
Acq: 29 Mar 2022 3:38



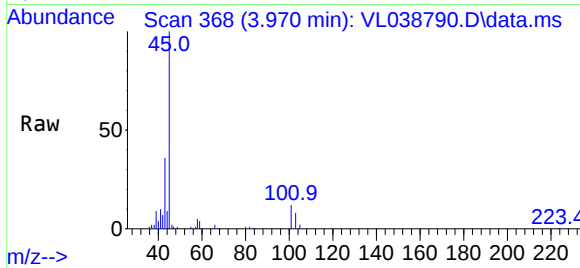
Tgt Ion: 43 Resp: 360774
Ion Ratio Lower Upper
43 100
58 30.5 23.3 34.9





#19
Isopropyl Alcohol
Concen: 1.949 ppbv
RT: 3.970 min Scan# 30
Delta R.T. 0.013 min
Lab File: VL038790.D
Acq: 29 Mar 2022 3:38

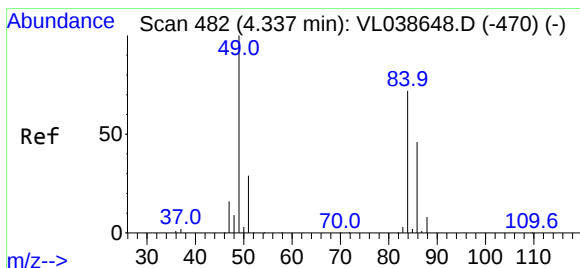
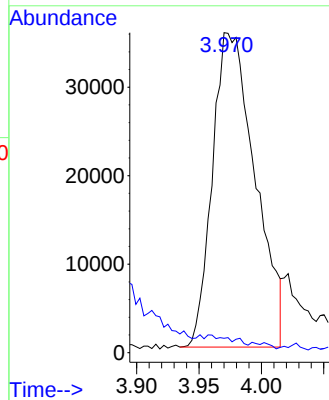
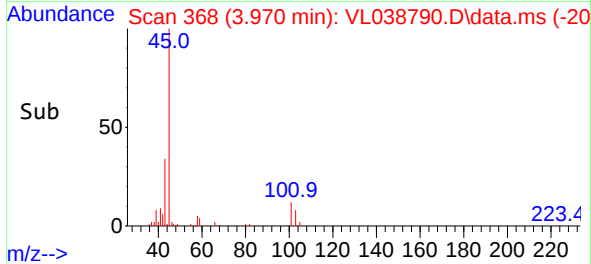
Instrument :
MSVOA_L
ClientSampleId :
OA1



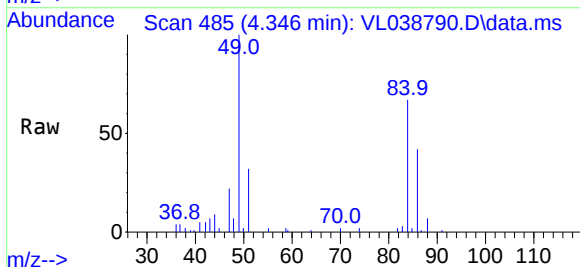
Tgt Ion: 45 Resp: 84720
Ion Ratio Lower Upper
45 100
58 129.7 2.3 3.5

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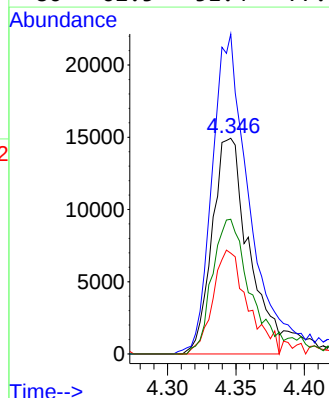
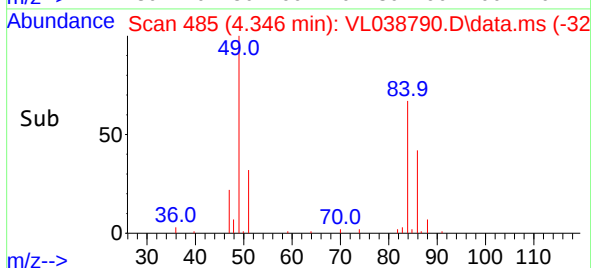
Reviewed By :Semsettin Yesilyurt 03/29/2022
Supervised By :Mahesh Dadoda 03/29/2022

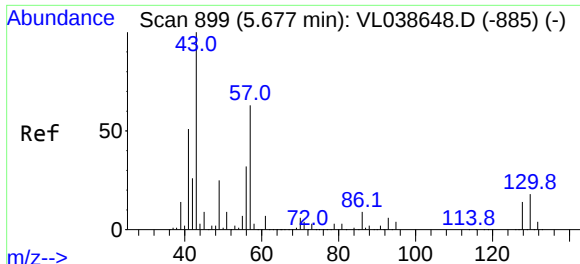


#20
Methylene Chloride
Concen: 0.838 ppbv m
RT: 4.346 min Scan# 485
Delta R.T. 0.010 min
Lab File: VL038790.D
Acq: 29 Mar 2022 3:38



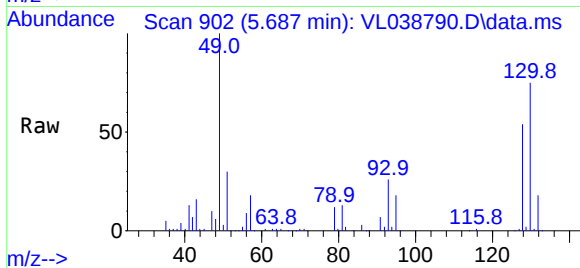
Tgt Ion: 84 Resp: 27688
Ion Ratio Lower Upper
84 100
49 148.4 111.2 166.8
51 46.8 32.8 49.2
86 62.5 51.4 77.0





#26
Hexane
Concen: 0.428 ppbv
RT: 5.687 min Scan# 902
Delta R.T. 0.010 min
Lab File: VL038790.D
Acq: 29 Mar 2022 3:38

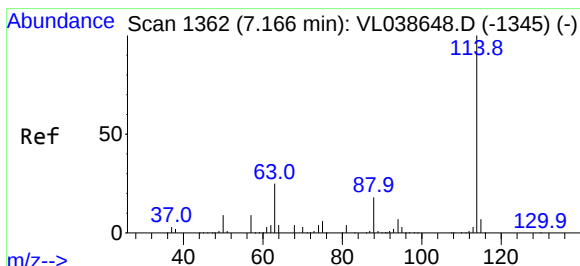
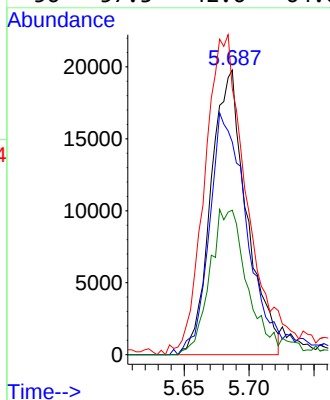
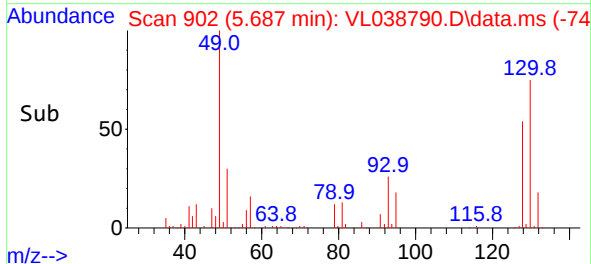
Instrument :
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OA1



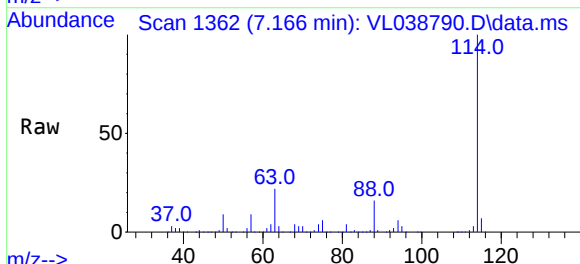
Tgt Ion: 57 Resp: 37790
Ion Ratio Lower Upper
57 100
41 96.6 67.0 100.4
43 138.4 184.2 276.2
56 57.3 42.6 64.0

Manual Integrations
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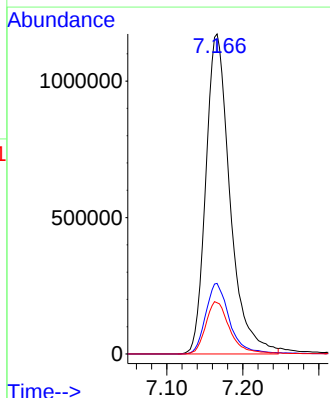
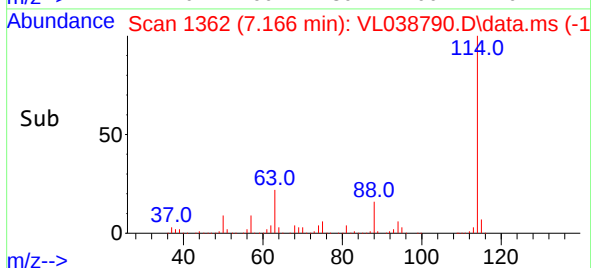
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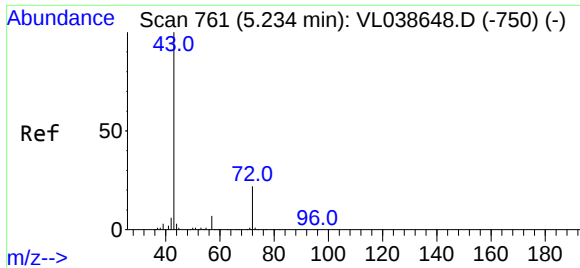


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.166 min Scan# 1362
Delta R.T. -0.000 min
Lab File: VL038790.D
Acq: 29 Mar 2022 3:38



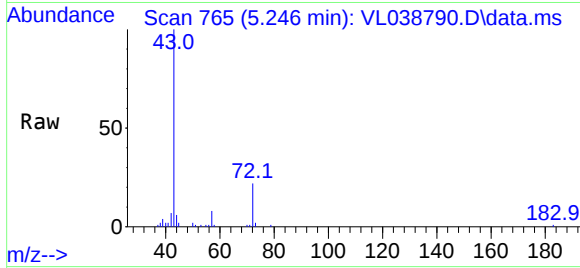
Tgt Ion:114 Resp: 2594473
Ion Ratio Lower Upper
114 100
63 22.2 19.4 29.0
88 16.5 13.9 20.9





#34
2-Butanone
Concen: 0.827 ppbv m
RT: 5.246 min Scan# 765
Delta R.T. 0.013 min
Lab File: VL038790.D
Acq: 29 Mar 2022 3:38

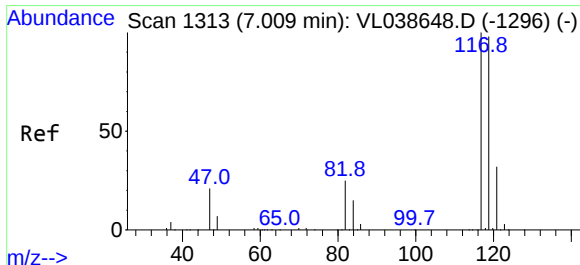
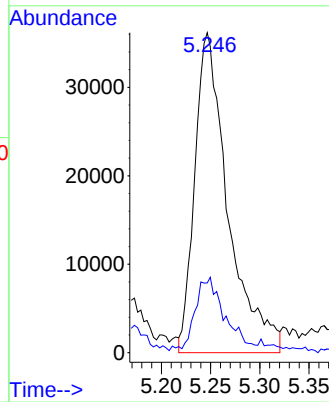
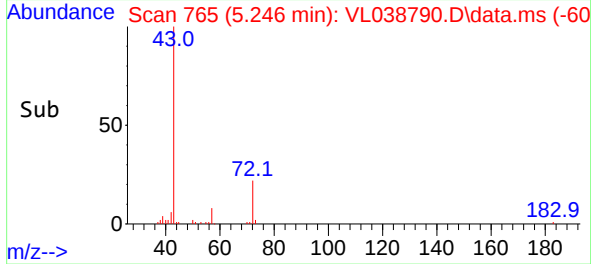
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion: 43 Resp: 8496
Ion Ratio Lower Upper
43 100
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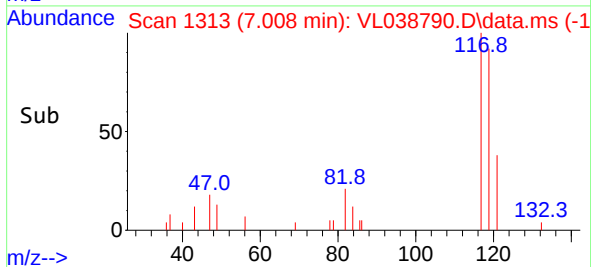
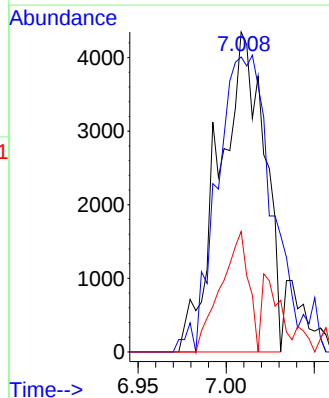
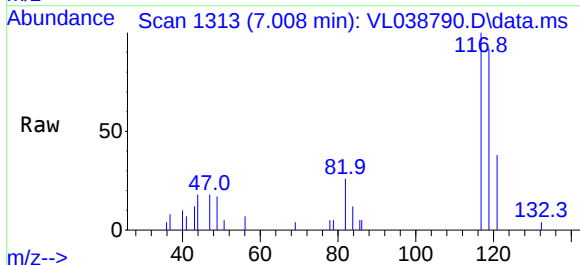
Manual Integrations
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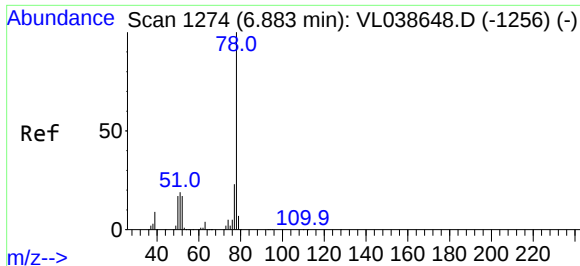
Reviewed By :Semsettin Yesilyurt 03/29/2022
Supervised By :Mahesh Dadoda 03/29/2022



#35
Carbon Tetrachloride
Concen: 0.052 ppbv m
RT: 7.008 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VL038790.D
Acq: 29 Mar 2022 3:38

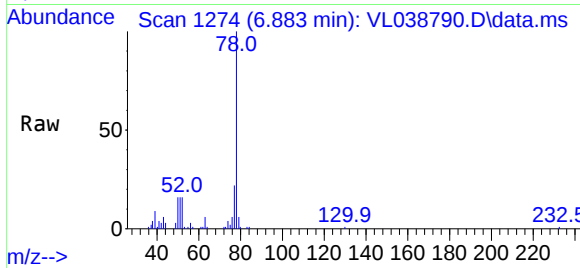
Tgt Ion:117 Resp: 7753
Ion Ratio Lower Upper
117 100
119 92.2 78.1 117.1
121 37.7 25.8 38.6





#36
Benzene
Concen: 0.303 ppbv
RT: 6.883 min Scan# 11
Delta R.T. -0.000 min
Lab File: VL038790.D
Acq: 29 Mar 2022 3:38

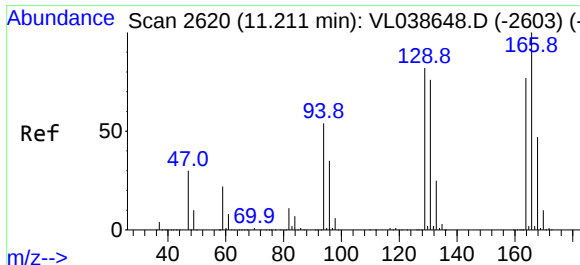
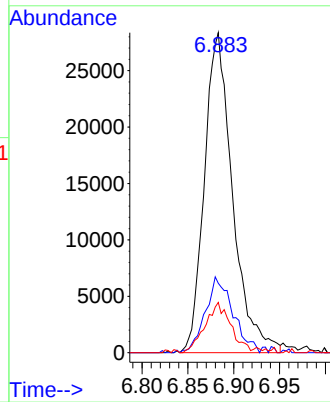
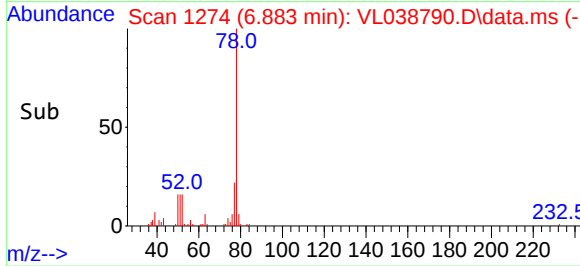
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion: 78 Resp: 60592
Ion Ratio Lower Upper
78 100
77 21.7 18.1 27.1
50 15.7 13.6 20.4

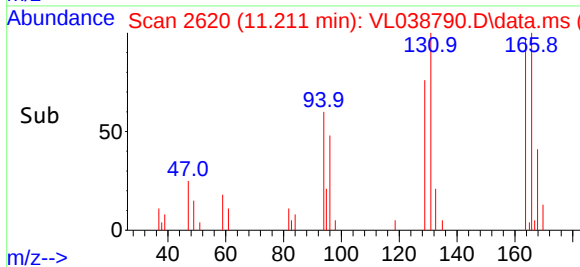
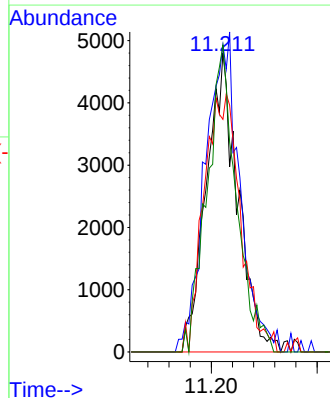
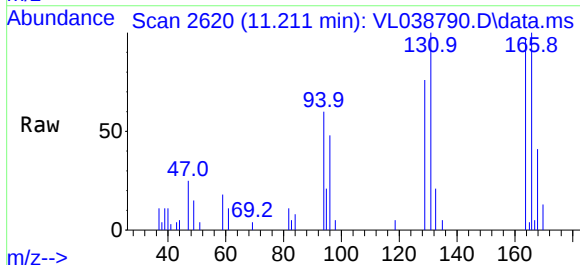
Manual Integrations
APPROVED

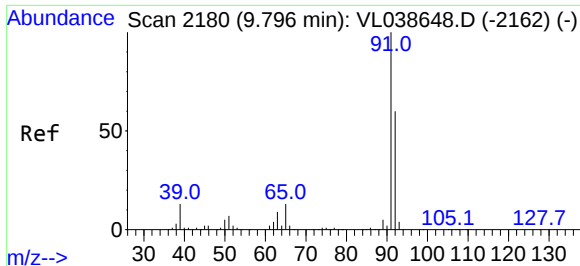
Reviewed By :Semsettin Yesilyurt 03/29/2022
Supervised By :Mahesh Dadoda 03/29/2022



#52
Tetrachloroethene
Concen: 0.136 ppbv m
RT: 11.211 min Scan# 2620
Delta R.T. -0.000 min
Lab File: VL038790.D
Acq: 29 Mar 2022 3:38

Tgt Ion:164 Resp: 9960
Ion Ratio Lower Upper
164 100
166 102.6 103.3 154.9#
129 77.8 85.2 127.8#
131 102.5 78.3 117.5





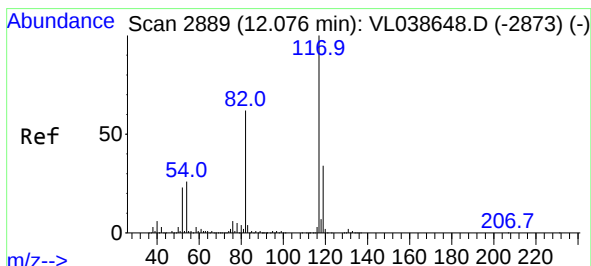
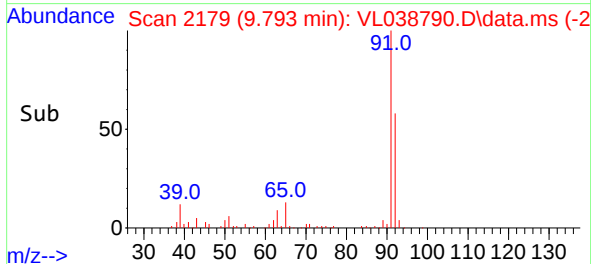
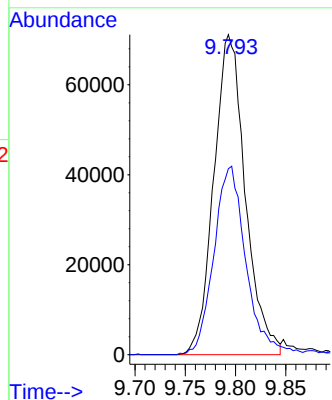
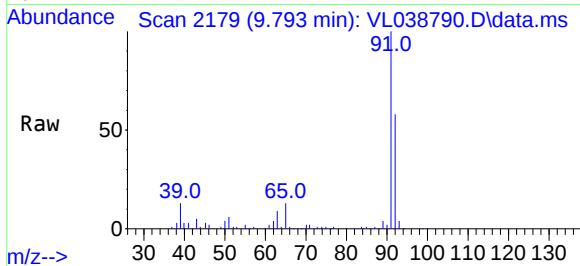
#53
Toluene
Concen: 0.720 ppbv
RT: 9.793 min Scan# 2180
Delta R.T. -0.003 min
Lab File: VL038790.D
Acq: 29 Mar 2022 3:38

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 91 Resp: 15484
Ion Ratio Lower Upper
91 100
92 61.4 48.7 73.1

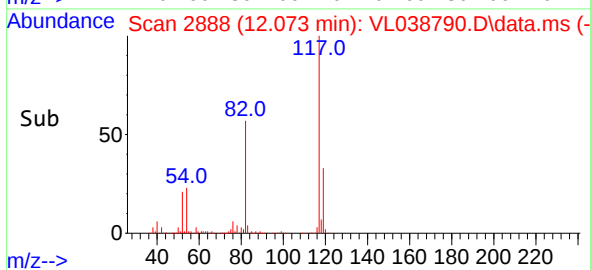
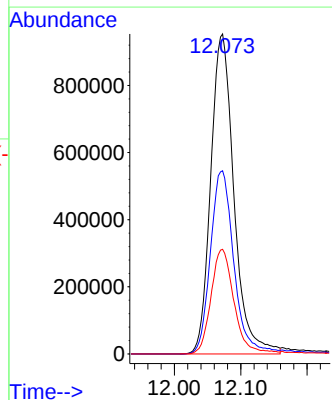
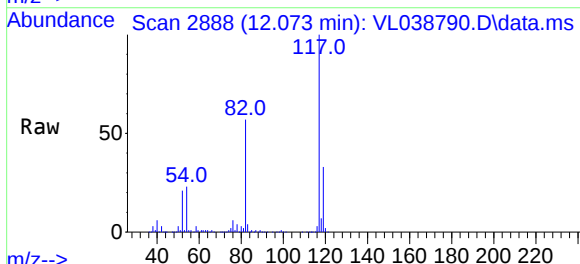
Manual Integrations
APPROVED

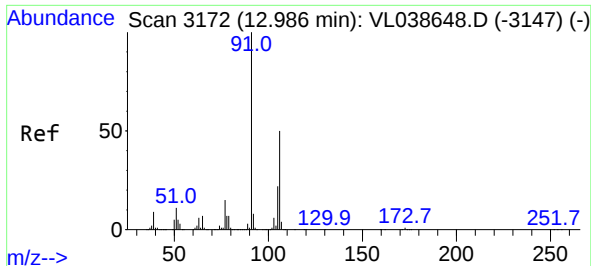
Reviewed By :Semsettin Yesilyurt 03/29/2022
Supervised By :Mahesh Dadoda 03/29/2022



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.073 min Scan# 2888
Delta R.T. -0.003 min
Lab File: VL038790.D
Acq: 29 Mar 2022 3:38

Tgt Ion:117 Resp: 2318161
Ion Ratio Lower Upper
117 100
82 59.7 51.6 77.4
119 33.3 26.9 40.3





#59

m/p-Xylene

Concen: 0.193 ppbv m

RT: 12.954 min Scan# 3172

Delta R.T. -0.032 min

Lab File: VL038790.D

Acq: 29 Mar 2022 3:38

Instrument :

MSVOA_L

ClientSampleId :

OA1

Tgt Ion: 91 Resp: 45652

Ion Ratio Lower Upper

91 100

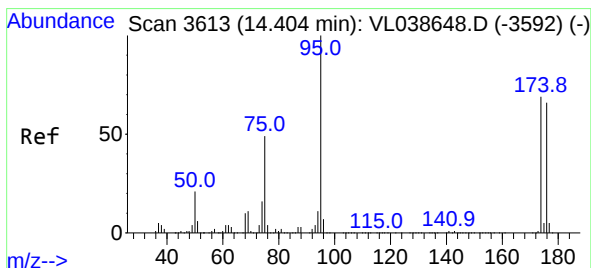
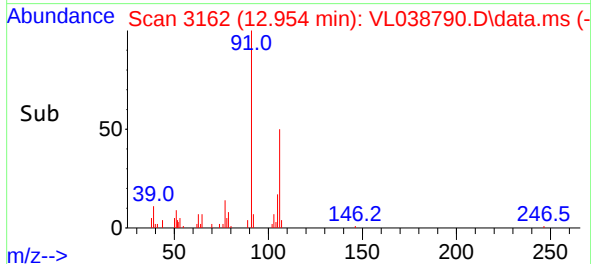
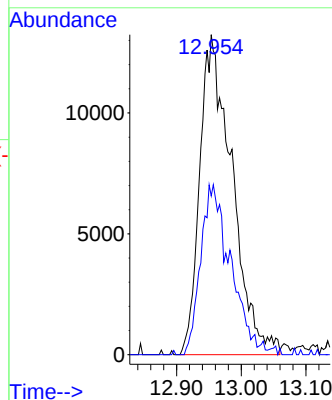
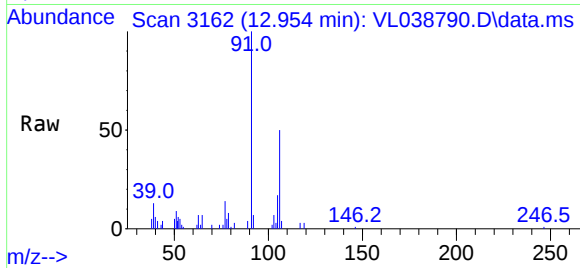
106 0.0 37.2 55.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/29/2022

Supervised By :Mahesh Dadoda 03/29/2022



#68

1-Bromo-4-Fluorobenzene

Concen: 9.229 ppbv

RT: 14.400 min Scan# 3612

Delta R.T. -0.003 min

Lab File: VL038790.D

Acq: 29 Mar 2022 3:38

Tgt Ion: 95 Resp: 1640329

Ion Ratio Lower Upper

95 100

174 77.6 56.1 84.1

175 5.8 4.2 6.2

