

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040722\
 Data File : VL038845.D
 Acq On : 7 Apr 2022 17:34
 Operator : SY/AP
 Sample : N2273-01DL 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 1160-1A-1DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/09/2022
 Supervised By :Mahesh Dadoda 04/11/2022

Quant Time: Apr 08 05:25:59 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL040522AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Apr 06 06:12:53 2022

QLast Update : Wed Apr 06 06:12:53 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.690	49	1235364	10.000	ppbv	0.03
33) 1,4-Difluorobenzene	7.198	114	3018300	10.000	ppbv	0.03
55) Chlorobenzene-d5	12.108	117	2692946	10.000	ppbv	0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.436	95	2145547	10.504	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	3.067	85	30957	0.177	ppbv #	79
3) Chlorodifluoromethane	3.012	51	18611	0.123	ppbv	99
4) Chloromethane	3.166	50	12529m	0.160	ppbv	
9) Propene	3.044	41	174376	2.186	ppbv #	64
10) Heptane	8.144	43	27177m	0.135	ppbv	
13) Ethanol	3.636	45	61009	12.586	ppbv #	100
15) Acetone	3.877	43	784901	6.382	ppbv	97
19) Isopropyl Alcohol	4.012	45	29223m	0.465	ppbv	
20) Methylene Chloride	4.369	84	90391	2.026	ppbv	89
26) Hexane	5.710	57	120692	0.850	ppbv #	54
34) 2-Butanone	5.292	43	36689	0.308	ppbv #	84
52) Tetrachloroethene	11.249	164	15588m	0.163	ppbv	
53) Toluene	9.825	91	213045	0.672	ppbv	99
59) m/p-Xylene	12.989	91	130163m	0.385	ppbv	
60) o-Xylene	13.709	91	40765m	0.129	ppbv	
61) Styrene	13.552	104	34856m	0.181	ppbv	

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040722\
Data File : VL038845.D
Acq On : 7 Apr 2022 17:34
Operator : SY/AP
Sample : N2273-01DL 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
1160-1A-1DL

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/09/2022
Supervised By :Mahesh Dadoda 04/11/2022

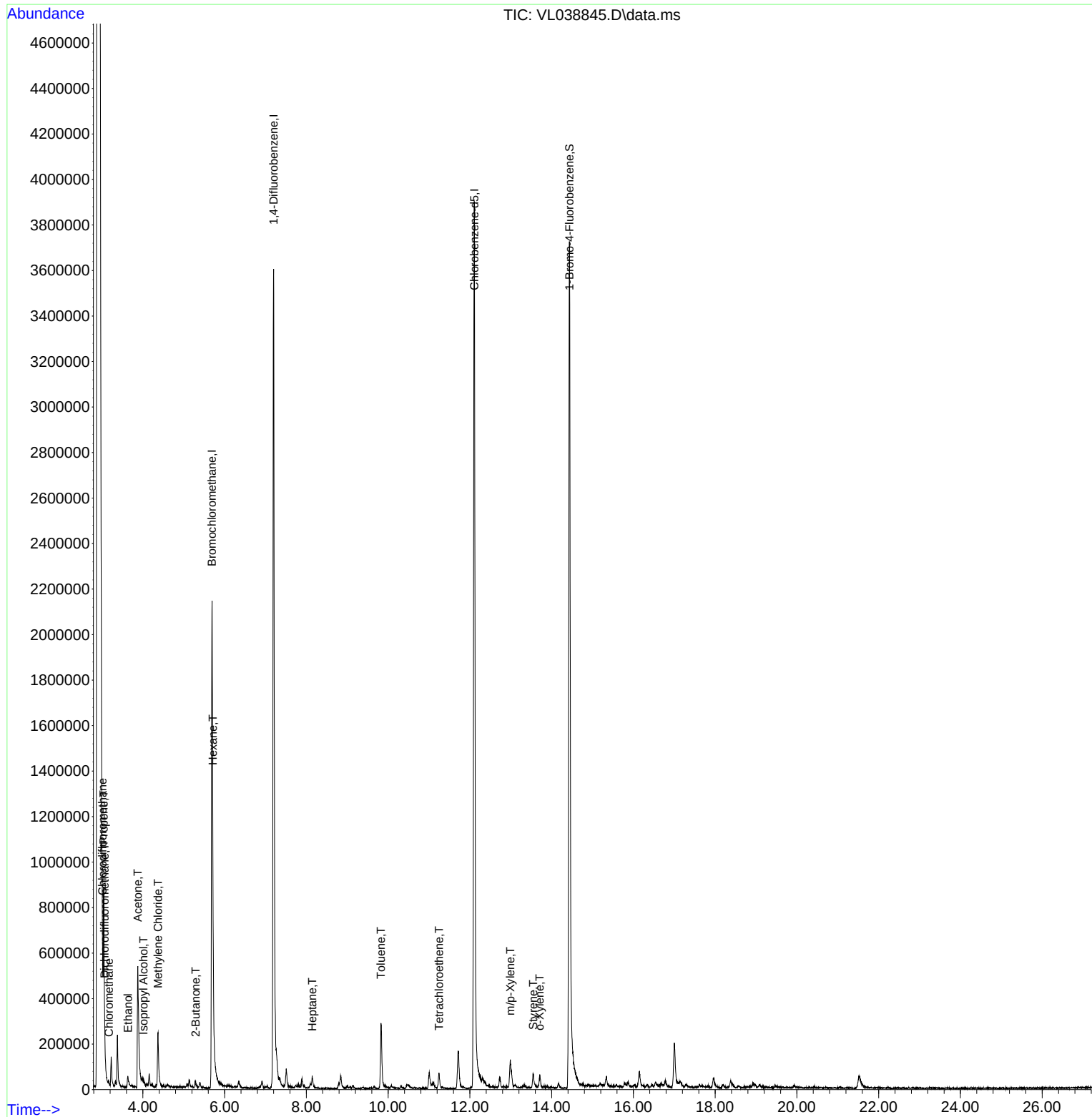
Quant Time: Apr 08 05:25:59 2022

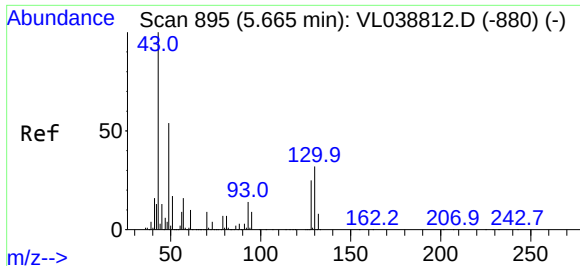
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL040522AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Apr

QLast Update : Wed Apr 06 06:12:53 2022

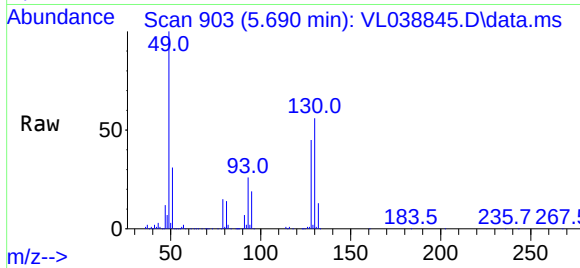
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.690 min Scan# 90
Delta R.T. 0.026 min
Lab File: VL038845.D
Acq: 7 Apr 2022 17:34

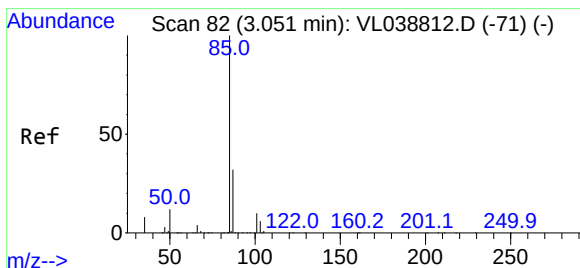
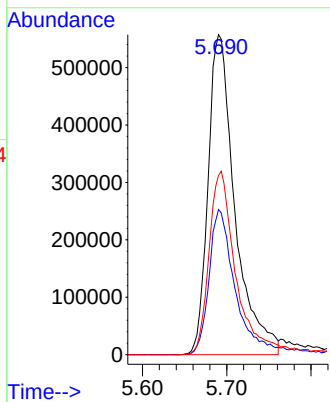
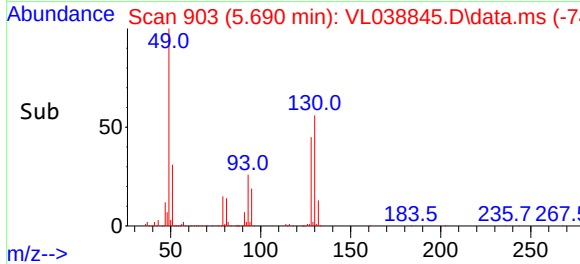
Instrument :
MSVOA_L
ClientSampleId :
1160-1A-1DL



Tgt Ion: 49 Resp: 123536
Ion Ratio Lower Upper
49 100
128 46.8 24.1 72.3
130 60.1 30.9 92.8

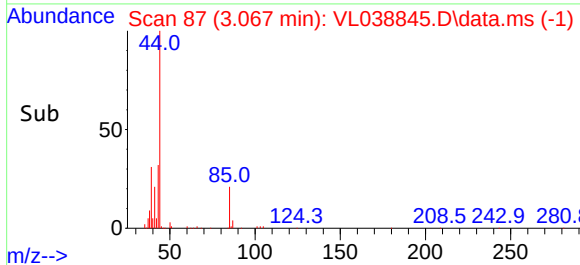
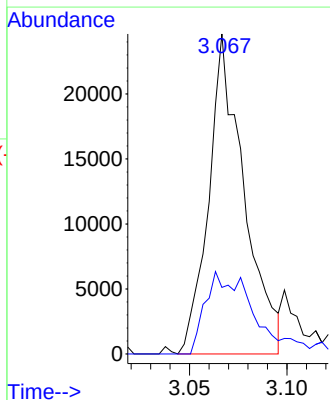
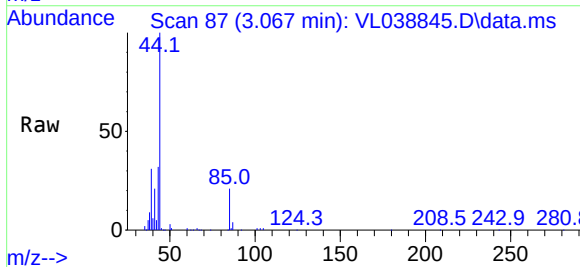
Manual Integrations
APPROVED

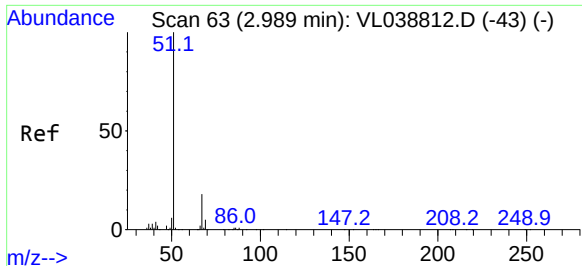
Reviewed By :Semsettin Yesilyurt 04/09/2022
Supervised By :Mahesh Dadoda 04/11/2022



#2
Dichlorodifluoromethane
Concen: 0.177 ppbv
RT: 3.067 min Scan# 87
Delta R.T. 0.016 min
Lab File: VL038845.D
Acq: 7 Apr 2022 17:34

Tgt Ion: 85 Resp: 30957
Ion Ratio Lower Upper
85 100
87 20.8 25.9 38.9#





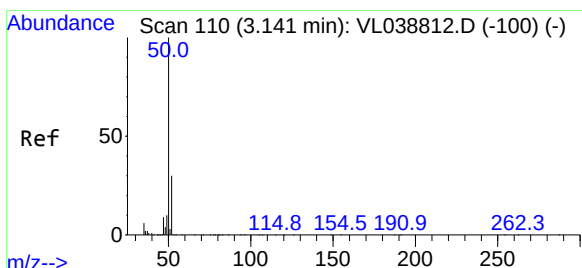
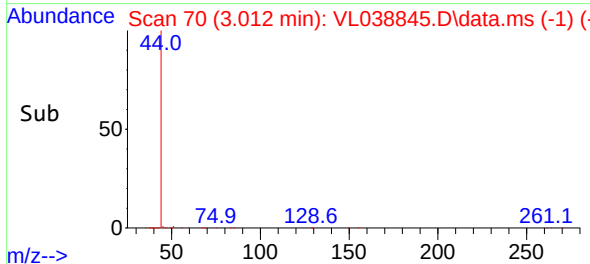
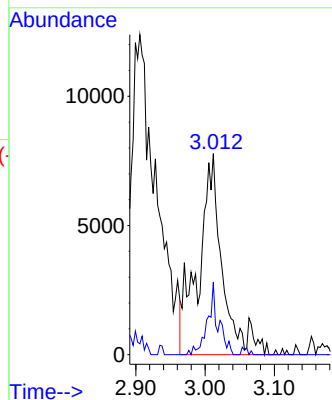
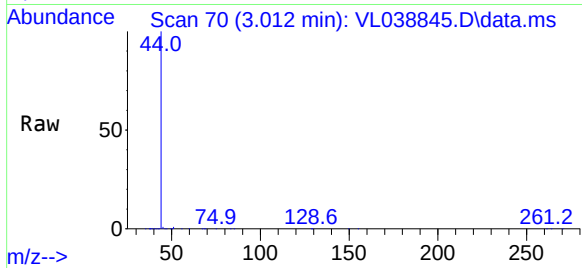
#3
Chlorodifluoromethane
Concen: 0.123 ppbv
RT: 3.012 min Scan# 70
Delta R.T. 0.022 min
Lab File: VL038845.D
Acq: 7 Apr 2022 17:34

Instrument :
MSVOA_L
ClientSampleId :
1160-1A-1DL

Tgt Ion: 51 Resp: 1861
Ion Ratio Lower Upper
51 100
67 16.2 13.4 20.0

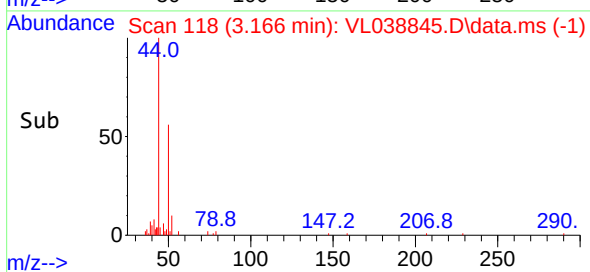
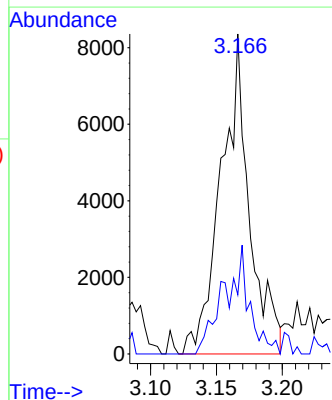
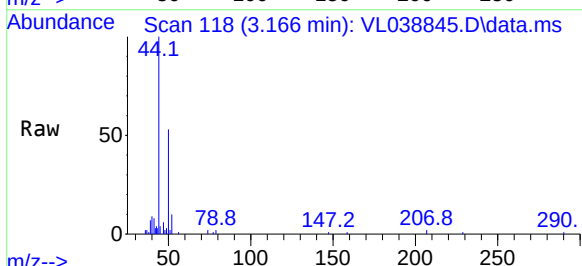
Manual Integrations
APPROVED

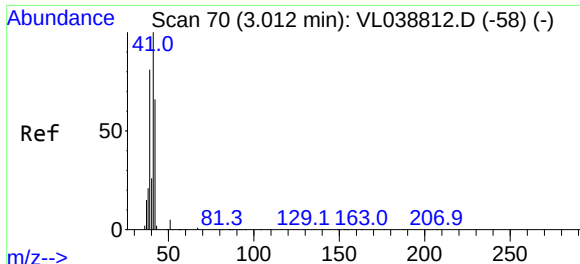
Reviewed By :Semsettin Yesilyurt 04/09/2022
Supervised By :Mahesh Dadoda 04/11/2022



#4
Chloromethane
Concen: 0.160 ppbv m
RT: 3.166 min Scan# 118
Delta R.T. 0.026 min
Lab File: VL038845.D
Acq: 7 Apr 2022 17:34

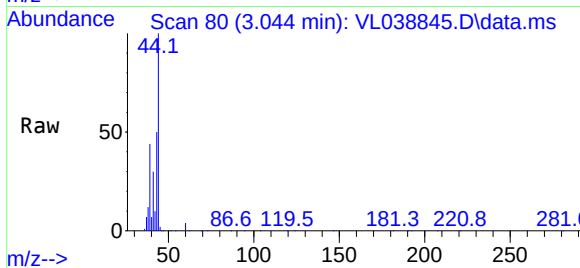
Tgt Ion: 50 Resp: 12529
Ion Ratio Lower Upper
50 100
52 18.5 24.3 36.5#





#9
Propene
Concen: 2.186 ppbv
RT: 3.044 min Scan# 80
Delta R.T. 0.032 min
Lab File: VL038845.D
Acq: 7 Apr 2022 17:34

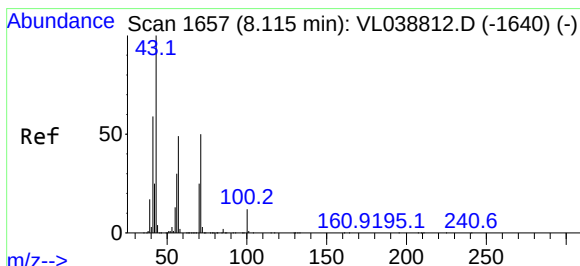
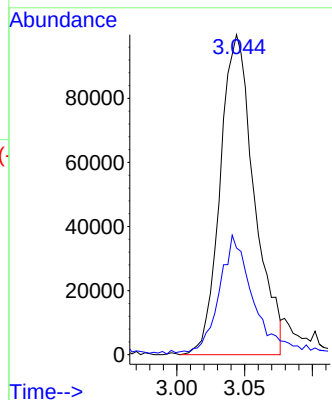
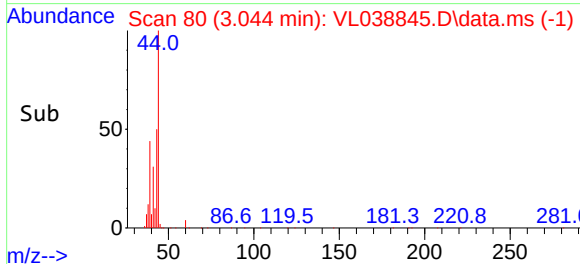
Instrument :
MSVOA_L
ClientSampleId :
1160-1A-1DL



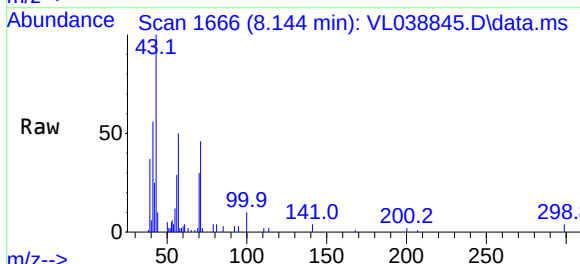
Tgt Ion: 41 Resp: 174370
Ion Ratio Lower Upper
41 100
42 38.8 54.2 81.4

Manual Integrations
APPROVED

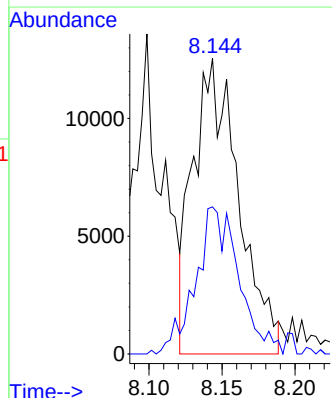
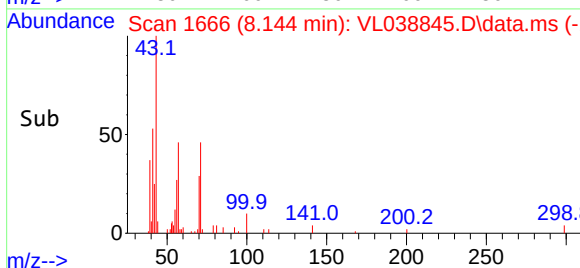
Reviewed By :Semsettin Yesilyurt 04/09/2022
Supervised By :Mahesh Dadoda 04/11/2022

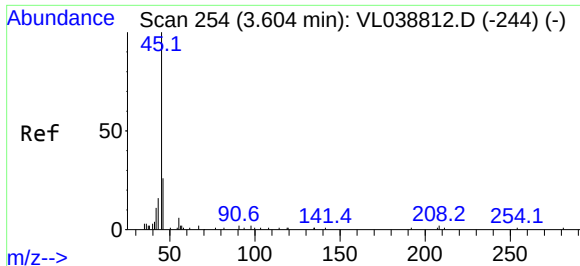


#10
Heptane
Concen: 0.135 ppbv m
RT: 8.144 min Scan# 1666
Delta R.T. 0.029 min
Lab File: VL038845.D
Acq: 7 Apr 2022 17:34



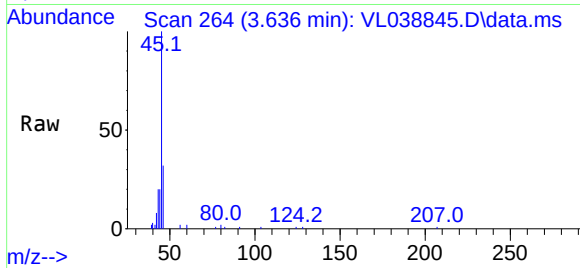
Tgt Ion: 43 Resp: 27177
Ion Ratio Lower Upper
43 100
57 0.0 39.3 58.9





#13
Ethanol
Concen: 12.586 ppbv
RT: 3.636 min Scan# 20
Delta R.T. 0.032 min
Lab File: VL038845.D
Acq: 7 Apr 2022 17:34

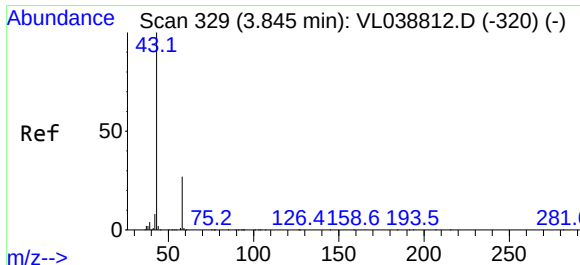
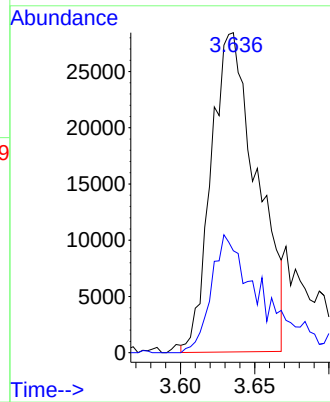
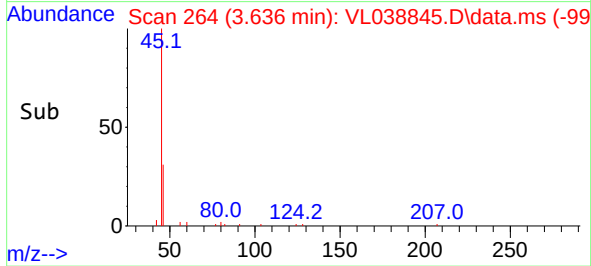
Instrument :
MSVOA_L
ClientSampleId :
1160-1A-1DL



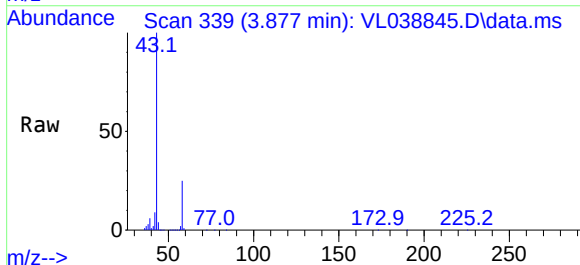
Tgt Ion: 45 Resp: 61009
Ion Ratio Lower Upper
45 100
46 44.3 0.0 0.0

Manual Integrations
APPROVED

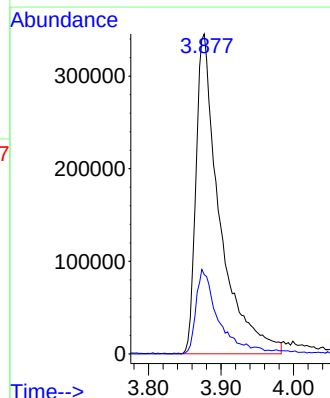
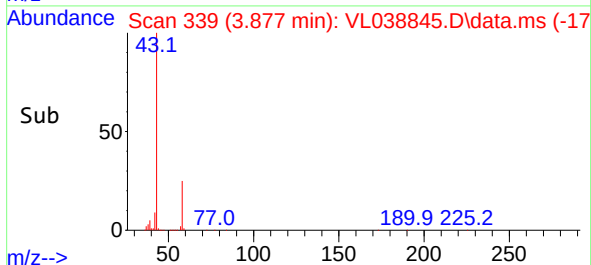
Reviewed By :Semsettin Yesilyurt 04/09/2022
Supervised By :Mahesh Dadoda 04/11/2022

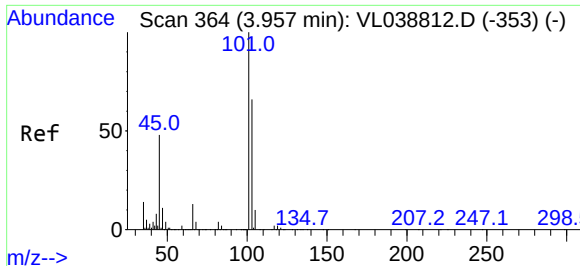


#15
Acetone
Concen: 6.382 ppbv
RT: 3.877 min Scan# 339
Delta R.T. 0.032 min
Lab File: VL038845.D
Acq: 7 Apr 2022 17:34



Tgt Ion: 43 Resp: 784901
Ion Ratio Lower Upper
43 100
58 26.7 22.5 33.7





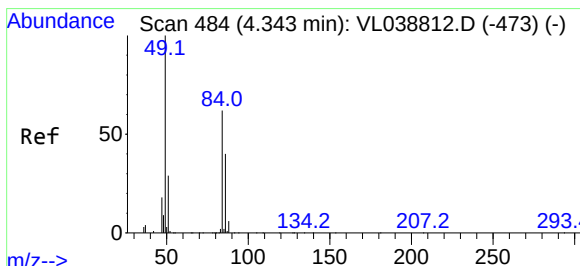
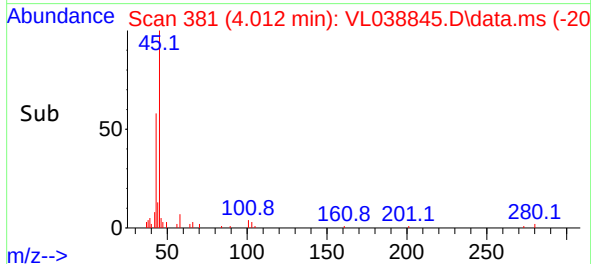
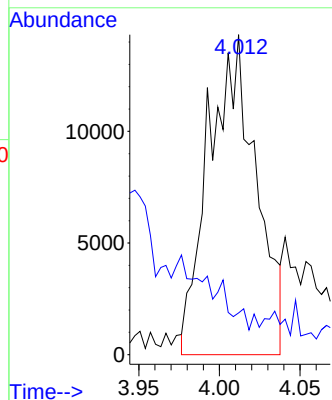
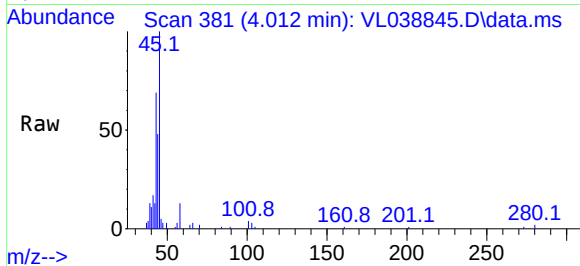
#19
Isopropyl Alcohol
Concen: 0.465 ppbv m
RT: 4.012 min Scan# 381
Delta R.T. 0.055 min
Lab File: VL038845.D
Acq: 7 Apr 2022 17:34

Instrument :
MSVOA_L
ClientSampleId :
1160-1A-1DL

Tgt Ion: 45 Resp: 2922
Ion Ratio Lower Upper
45 100
58 0.0 0.0 0.0

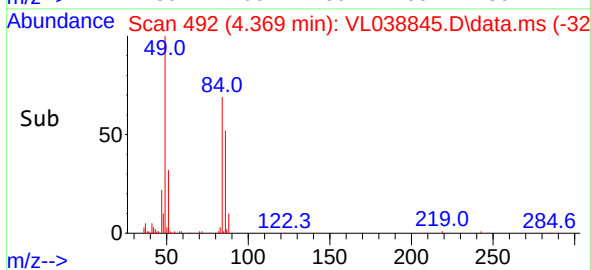
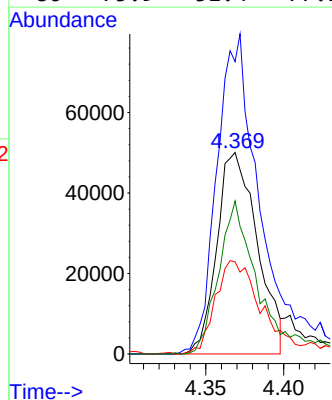
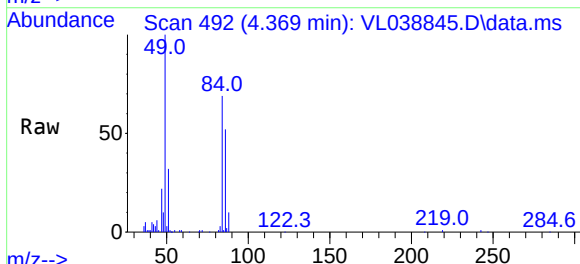
Manual Integrations
APPROVED

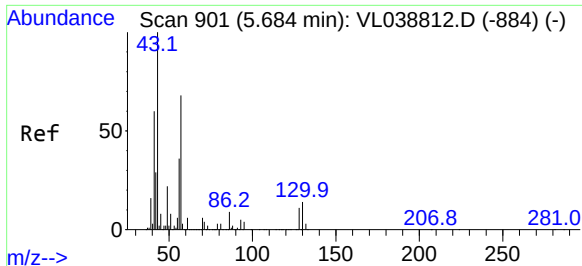
Reviewed By :Semsettin Yesilyurt 04/09/2022
Supervised By :Mahesh Dadoda 04/11/2022



#20
Methylene Chloride
Concen: 2.026 ppbv
RT: 4.369 min Scan# 492
Delta R.T. 0.026 min
Lab File: VL038845.D
Acq: 7 Apr 2022 17:34

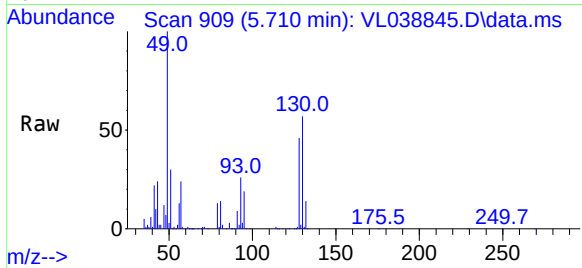
Tgt Ion: 84 Resp: 90391
Ion Ratio Lower Upper
84 100
49 144.4 129.4 194.0
51 45.8 37.4 56.2
86 75.9 51.4 77.2





#26
Hexane
Concen: 0.850 ppbv
RT: 5.710 min Scan# 901
Delta R.T. 0.026 min
Lab File: VL038845.D
Acq: 7 Apr 2022 17:34

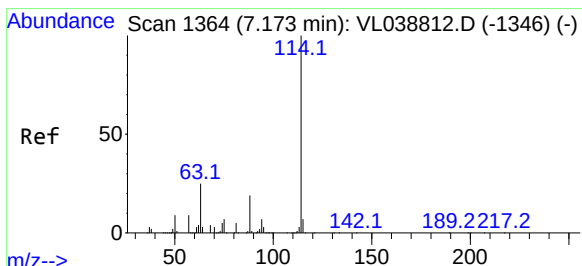
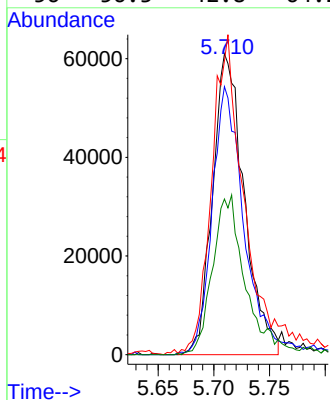
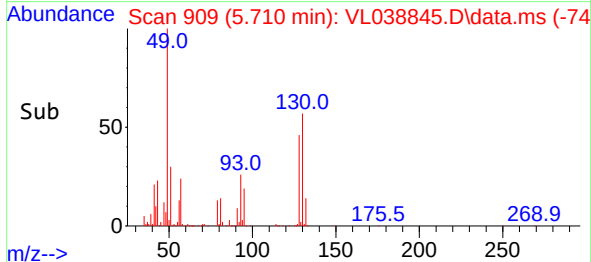
Instrument :
MSVOA_L
ClientSampleId :
1160-1A-1DL



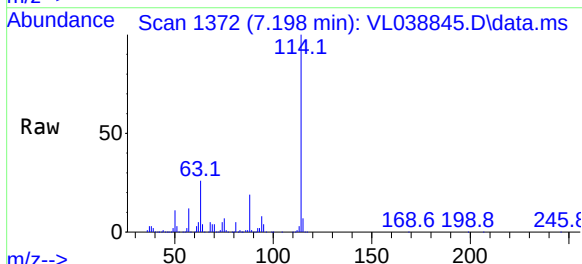
Tgt Ion: 57 Resp: 120692
Ion Ratio Lower Upper
57 100
41 94.3 72.0 108.0
43 114.5 186.6 280.0
56 56.3 42.8 64.2

Manual Integrations
APPROVED

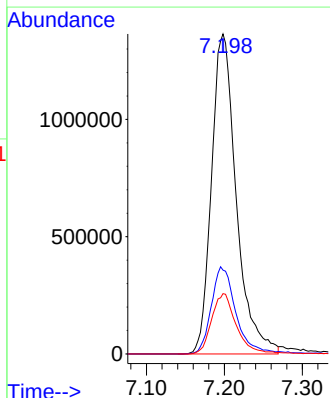
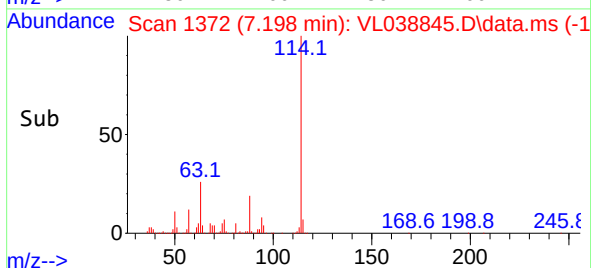
Reviewed By :Semsettin Yesilyurt 04/09/2022
Supervised By :Mahesh Dadoda 04/11/2022

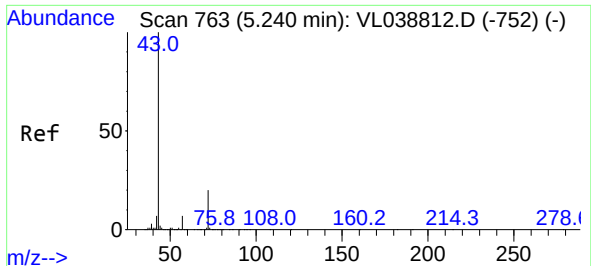


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.198 min Scan# 1372
Delta R.T. 0.026 min
Lab File: VL038845.D
Acq: 7 Apr 2022 17:34



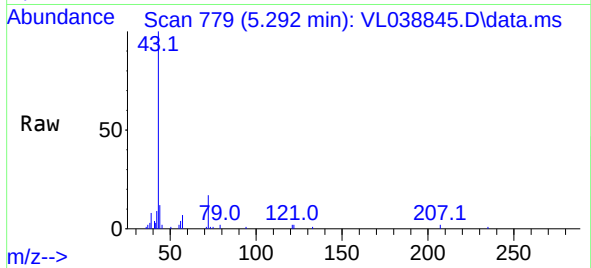
Tgt Ion:114 Resp: 3018300
Ion Ratio Lower Upper
114 100
63 27.7 19.8 29.8
88 19.0 14.2 21.4





#34
2-Butanone
Concen: 0.308 ppbv
RT: 5.292 min Scan# 71
Delta R.T. 0.051 min
Lab File: VL038845.D
Acq: 7 Apr 2022 17:34

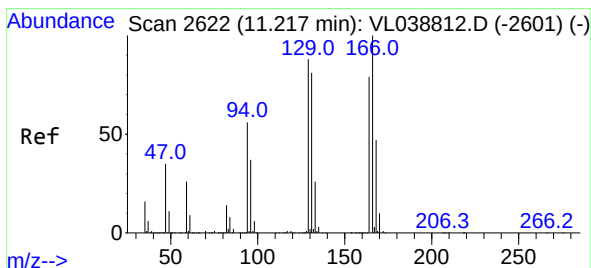
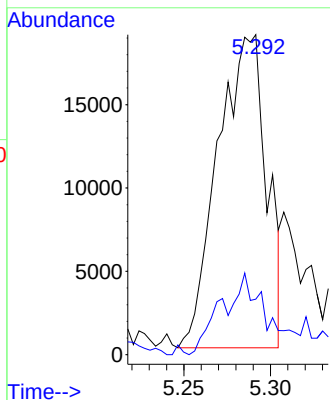
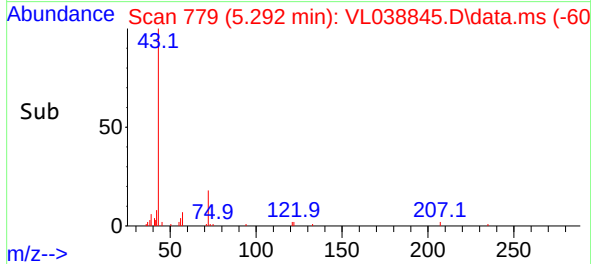
Instrument :
MSVOA_L
ClientSampleId :
1160-1A-1DL



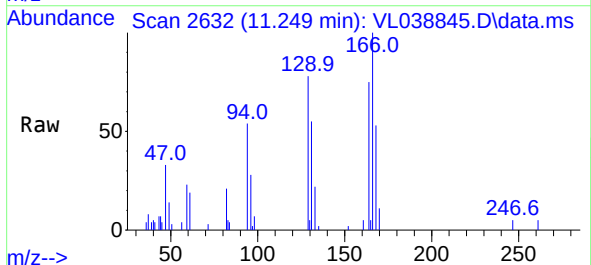
Tgt Ion: 43 Resp: 36689
Ion Ratio Lower Upper
43 100
72 28.7 16.9 25.3

Manual Integrations
APPROVED

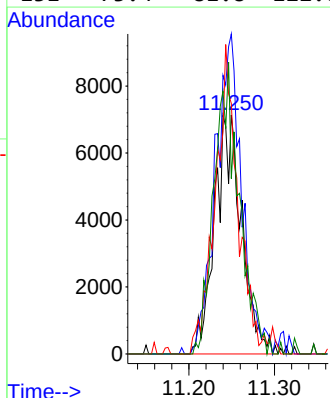
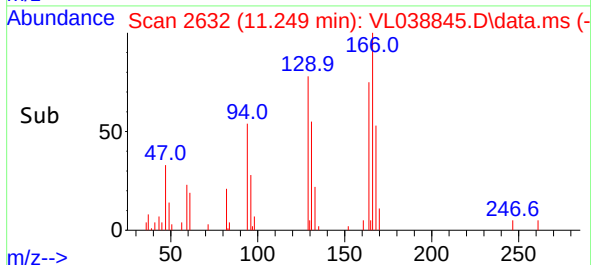
Reviewed By :Semsettin Yesilyurt 04/09/2022
Supervised By :Mahesh Dadoda 04/11/2022

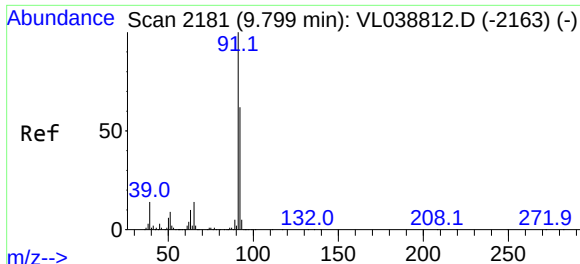


#52
Tetrachloroethene
Concen: 0.163 ppbv m
RT: 11.249 min Scan# 2632
Delta R.T. 0.032 min
Lab File: VL038845.D
Acq: 7 Apr 2022 17:34



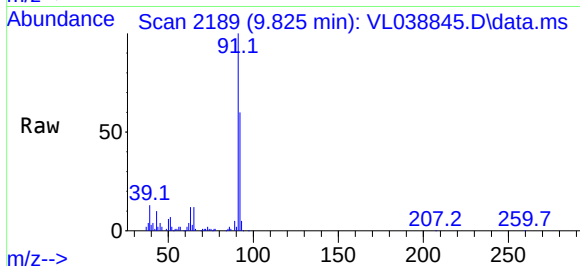
Tgt Ion:164 Resp: 15588
Ion Ratio Lower Upper
164 100
166 133.9 101.0 151.6
129 104.9 88.7 133.1
131 73.4 81.8 122.6





#53
Toluene
Concen: 0.672 ppbv
RT: 9.825 min Scan# 2181
Delta R.T. 0.026 min
Lab File: VL038845.D
Acq: 7 Apr 2022 17:34

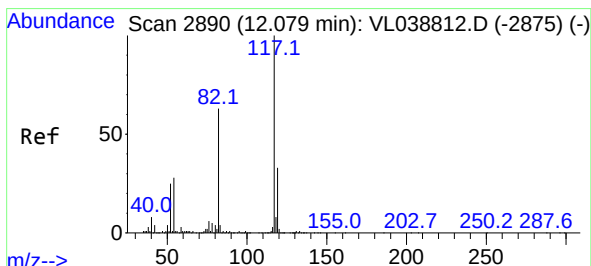
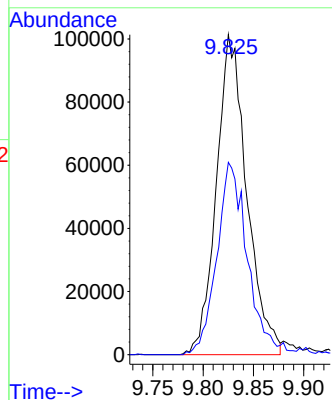
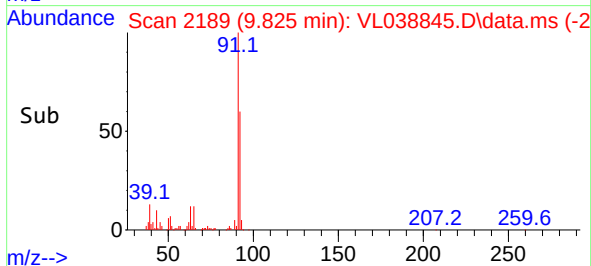
Instrument :
MSVOA_L
ClientSampleId :
1160-1A-1DL



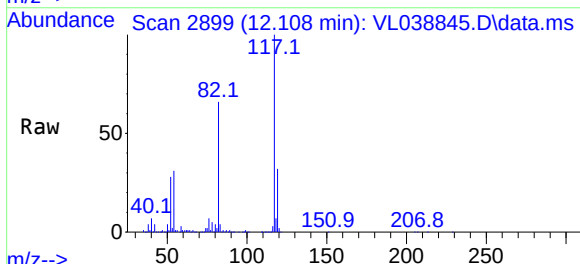
Tgt Ion: 91 Resp: 213045
Ion Ratio Lower Upper
91 100
92 60.5 49.2 73.8

Manual Integrations
APPROVED

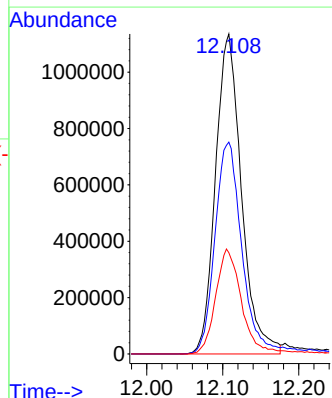
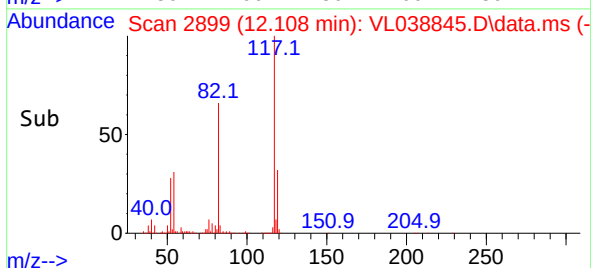
Reviewed By :Semsettin Yesilyurt 04/09/2022
Supervised By :Mahesh Dadoda 04/11/2022

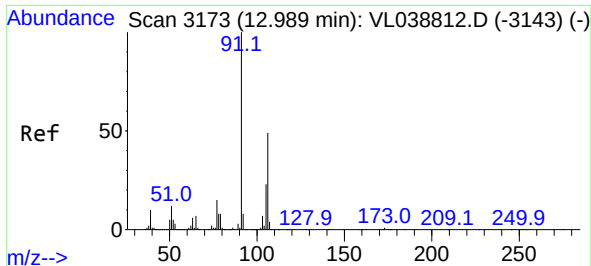


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.108 min Scan# 2899
Delta R.T. 0.029 min
Lab File: VL038845.D
Acq: 7 Apr 2022 17:34



Tgt Ion:117 Resp: 2692946
Ion Ratio Lower Upper
117 100
82 71.4 53.0 79.6
119 33.9 24.9 37.3





#59

m/p-Xylene

Concen: 0.385 ppbv m

RT: 12.989 min Scan# 3173

Delta R.T. -0.000 min

Lab File: VL038845.D

Acq: 7 Apr 2022 17:34

Instrument :

MSVOA_L

ClientSampleId :

1160-1A-1DL

Tgt Ion: 91 Resp: 13016

Ion Ratio Lower Upper

91 100

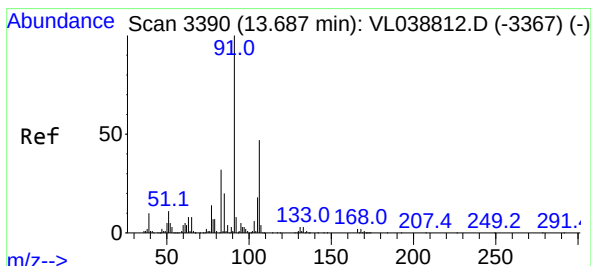
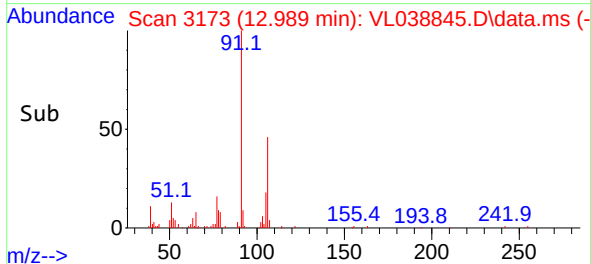
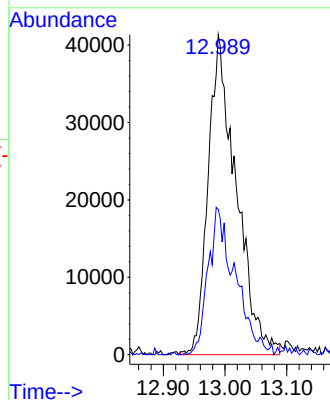
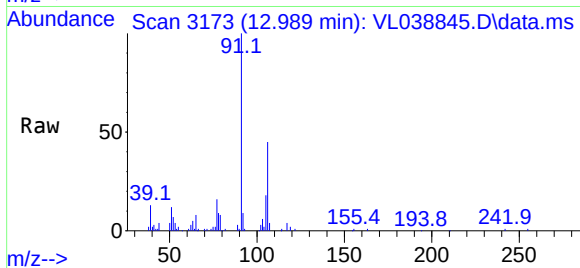
106 0.0 37.1 55.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/09/2022

Supervised By :Mahesh Dadoda 04/11/2022



#60

o-Xylene

Concen: 0.129 ppbv m

RT: 13.709 min Scan# 3397

Delta R.T. 0.022 min

Lab File: VL038845.D

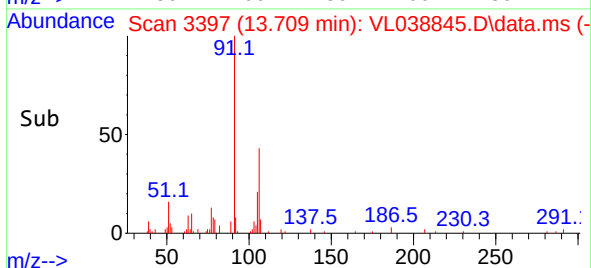
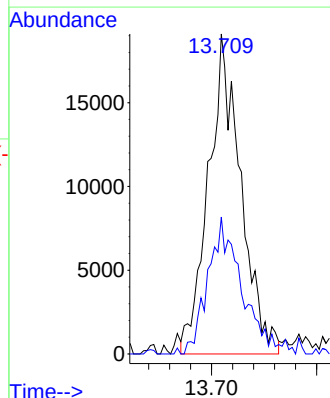
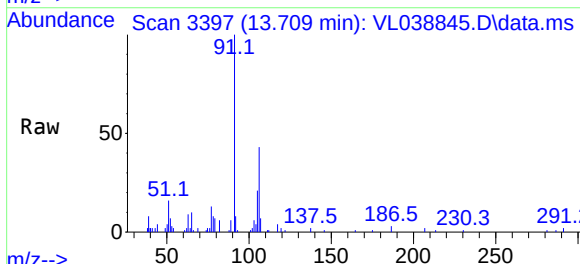
Acq: 7 Apr 2022 17:34

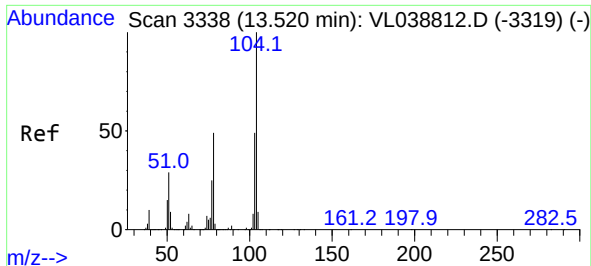
Tgt Ion: 91 Resp: 40765

Ion Ratio Lower Upper

91 100

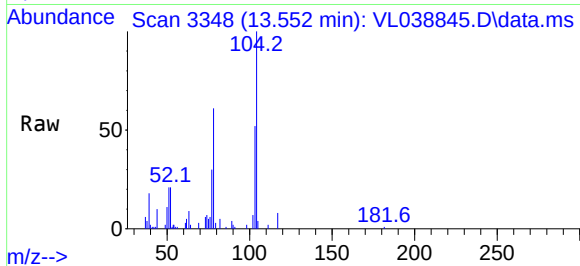
106 0.0 23.8 71.4





#61
Styrene
Concen: 0.181 ppbv m
RT: 13.552 min Scan# 31
Delta R.T. 0.032 min
Lab File: VL038845.D
Acq: 7 Apr 2022 17:34

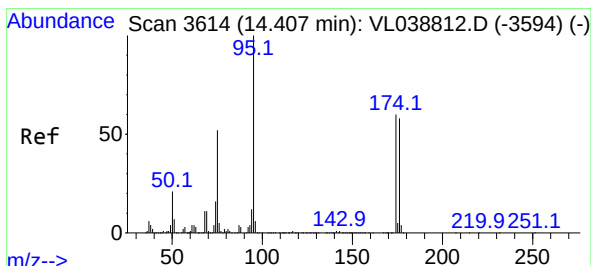
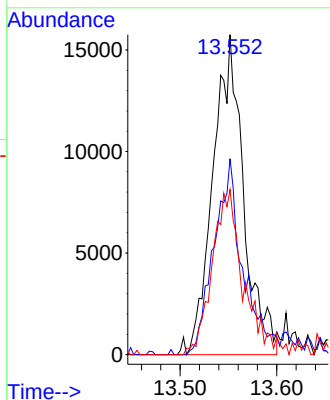
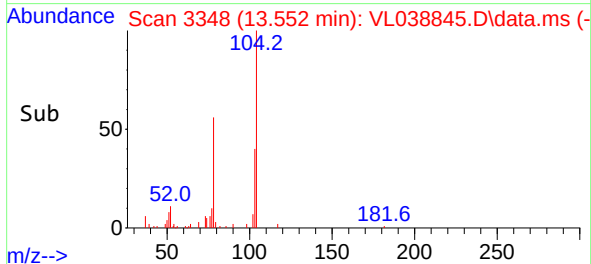
Instrument :
MSVOA_L
ClientSampleId :
1160-1A-1DL



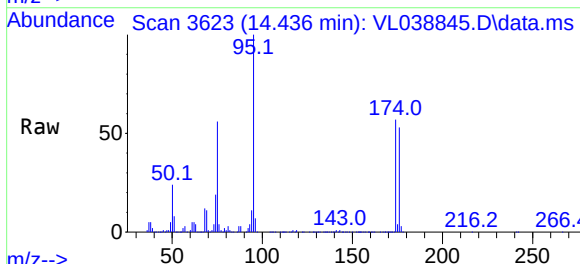
Tgt Ion:104 Resp: 34850
Ion Ratio Lower Upper
104 100
78 62.4 40.5 60.7
103 53.7 39.0 58.4

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/09/2022
Supervised By :Mahesh Dadoda 04/11/2022



#68
1-Bromo-4-Fluorobenzene
Concen: 10.504 ppbv
RT: 14.436 min Scan# 3623
Delta R.T. 0.029 min
Lab File: VL038845.D
Acq: 7 Apr 2022 17:34



Tgt Ion: 95 Resp: 2145547
Ion Ratio Lower Upper
95 100
174 61.6 52.0 78.0
175 4.7 4.0 6.0

