

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041922\
 Data File : VL038948.D
 Acq On : 19 Apr 2022 13:52
 Operator : SY/AP
 Sample : N2465-02
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/20/2022
 Supervised By :Mahesh Dadoda 04/20/2022

Quant Time: Apr 20 04:25:57 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	5.684	49	1176481	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	7.192	114	2890819	10.000	ppbv	0.02
55) Chlorobenzene-d5	12.095	117	2502309	10.000	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.426	95	1972111	10.390	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.900%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	3.060	85	106074	0.636	ppbv	97
4) Chloromethane	3.157	50	34696	0.467	ppbv	98
9) Propene	3.034	41	75132	0.989	ppbv #	77
11) Trichlorofluoromethane	3.967	101	27086	0.202	ppbv	90
13) Ethanol	3.632	45	4963538	1075.173	ppbv #	100
15) Acetone	3.861	43	14609450	124.729	ppbv #	88
19) Isopropyl Alcohol	4.009	45	37100524	619.739	ppbv #	100
20) Methylene Chloride	4.365	84	366942	8.638	ppbv	94
25) Ethyl Acetate	5.687	43	847150	2.850	ppbv #	94
29) Chloroform	5.767	83	32532	0.172	ppbv	92
30) Cyclohexane	7.143	84	13274m	0.111	ppbv	
34) 2-Butanone	5.256	43	93510	0.819	ppbv	95
35) Carbon Tetrachloride	7.037	117	10150m	0.059	ppbv	
36) Benzene	6.902	78	63895m	0.243	ppbv	
52) Tetrachloroethene	11.230	164	9266m	0.101	ppbv	
53) Toluene	9.819	91	167243	0.551	ppbv	99
58) Ethyl Benzene	12.719	91	51802m	0.139	ppbv	
59) m/p-Xylene	12.979	91	156161	0.497	ppbv	99
60) o-Xylene	13.706	91	85474m	0.291	ppbv	
61) Styrene	13.529	104	26084m	0.146	ppbv	

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

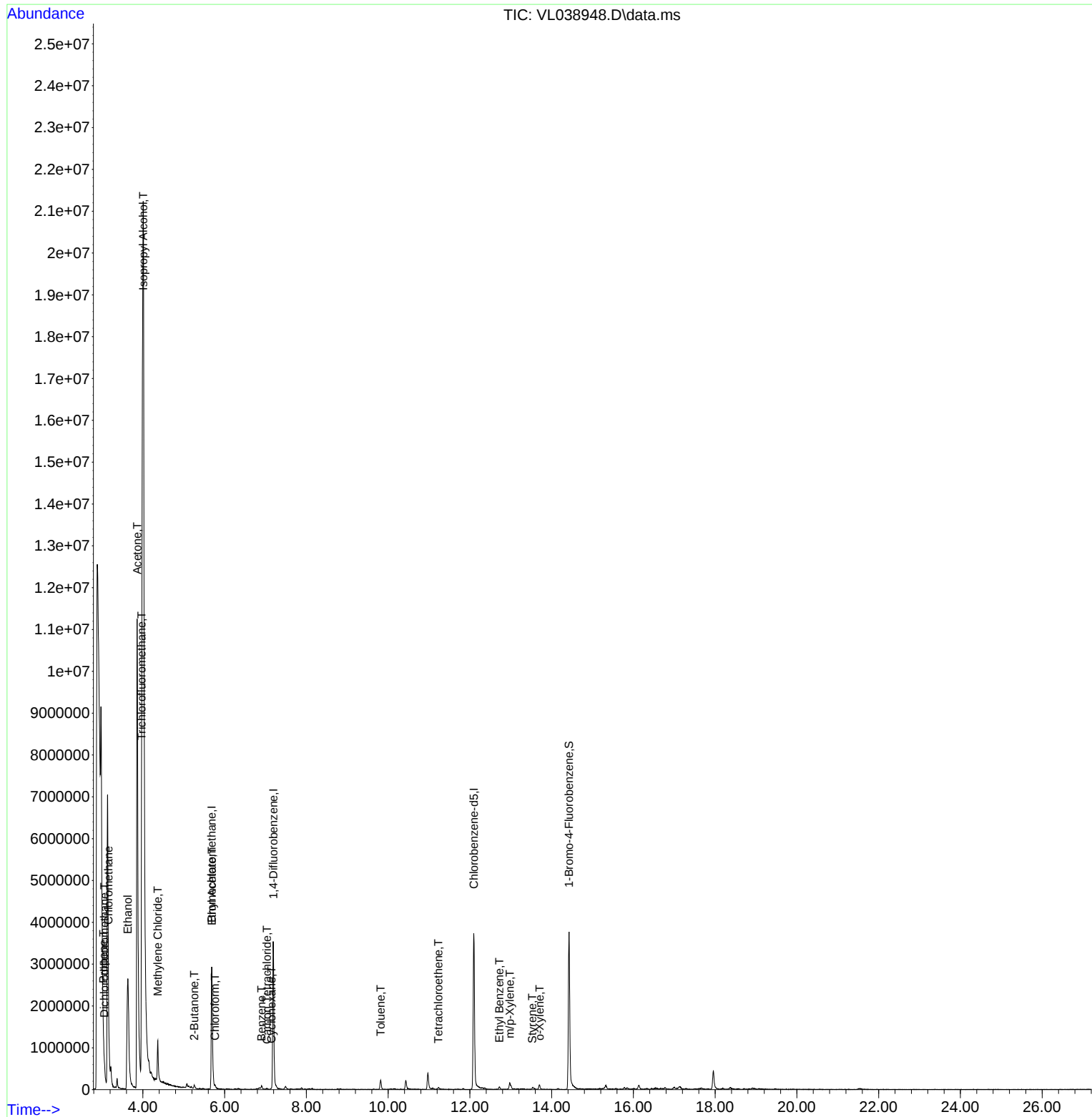
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041922\
Data File : VL038948.D
Acq On : 19 Apr 2022 13:52
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Sample : N2465-02
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

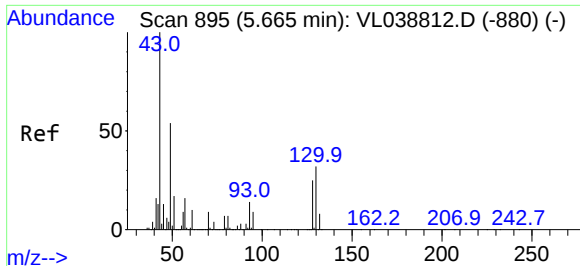
Instrument :
MSVOA_L
ClientSampleId :
IA-1

Quant Time: Apr 20 04:25:57 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

Manual Integrations
APPROVED

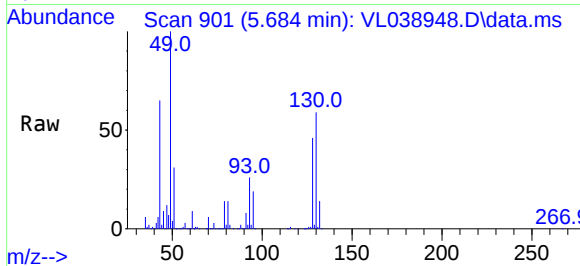
Reviewed By :Semsettin Yesilyurt 04/20/2022
Supervised By :Mahesh Dadoda 04/20/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.684 min Scan# 90
Delta R.T. 0.019 min
Lab File: VL038948.D
Acq: 19 Apr 2022 13:52

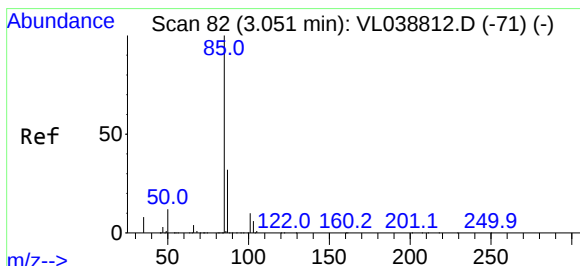
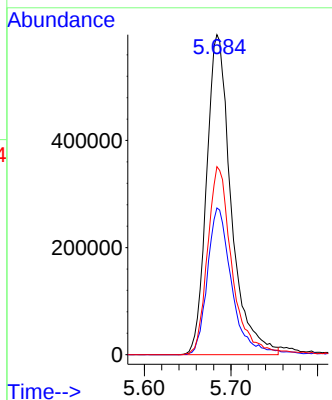
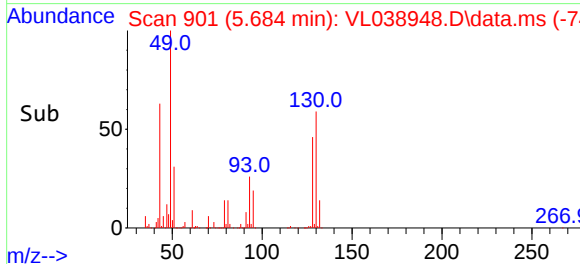
Instrument :
MSVOA_L
ClientSampleId :
IA-1



Tgt Ion: 49 Resp: 117648
Ion Ratio Lower Upper
49 100
128 46.1 24.1 72.3
130 59.9 30.9 92.8

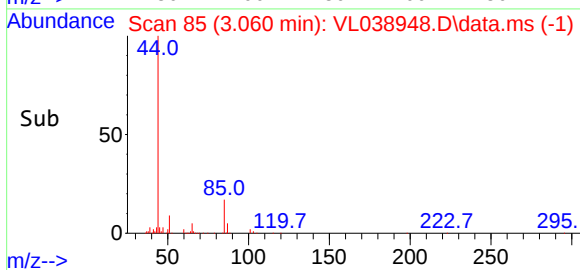
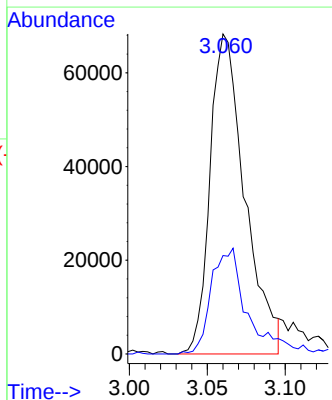
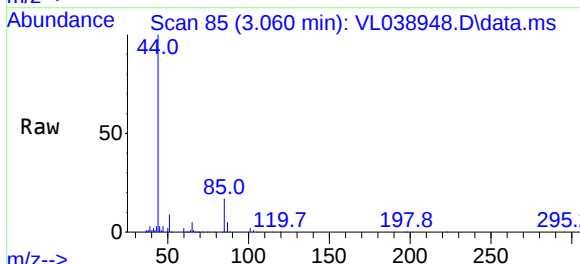
Manual Integrations
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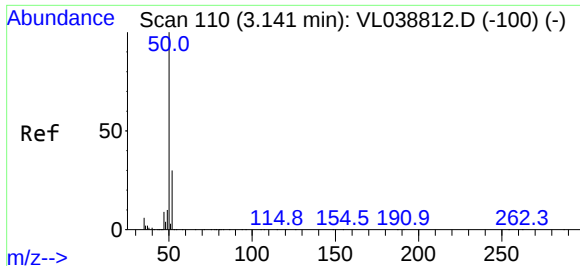
Reviewed By :Semsettin Yesilyurt 04/20/2022
Supervised By :Mahesh Dadoda 04/20/2022



#2
Dichlorodifluoromethane
Concen: 0.636 ppbv
RT: 3.060 min Scan# 85
Delta R.T. 0.009 min
Lab File: VL038948.D
Acq: 19 Apr 2022 13:52

Tgt Ion: 85 Resp: 106074
Ion Ratio Lower Upper
85 100
87 30.7 25.9 38.9





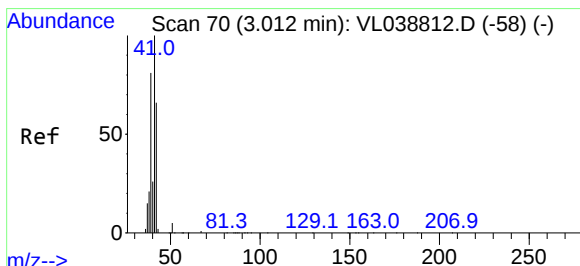
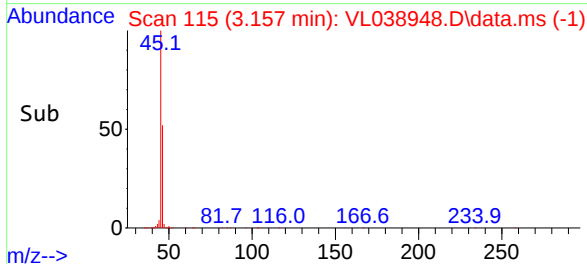
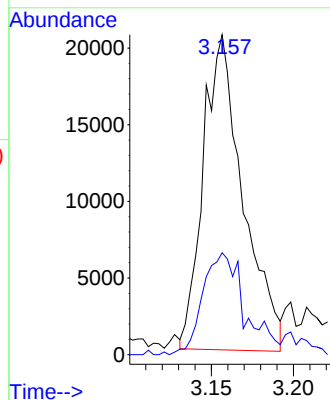
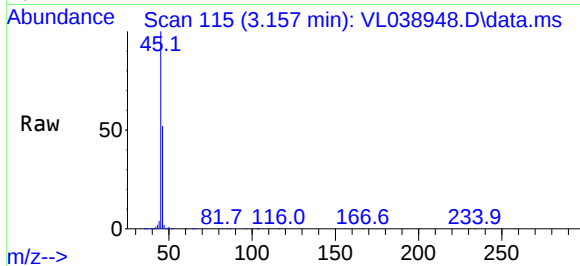
#4
Chloromethane
Concen: 0.467 ppbv
RT: 3.157 min Scan# 110
Delta R.T. 0.016 min
Lab File: VL038948.D
Acq: 19 Apr 2022 13:52

Instrument :
MSVOA_L
ClientSampleId :
IA-1

Tgt Ion: 50 Resp: 34690
Ion Ratio Lower Upper
50 100
52 31.7 24.3 36.5

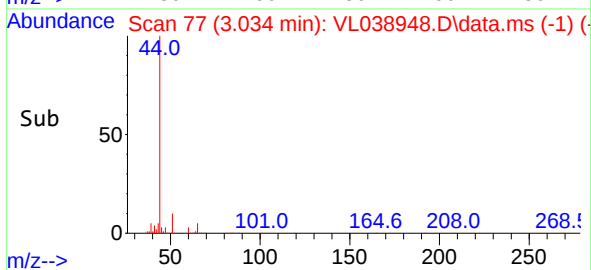
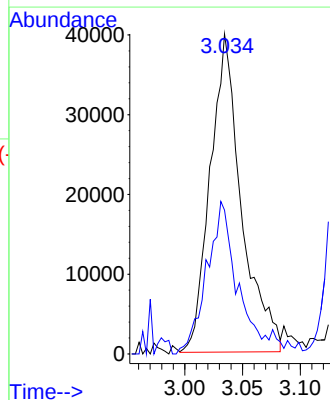
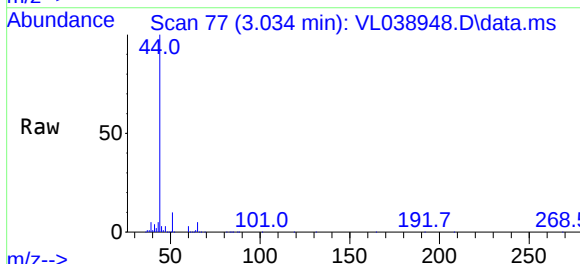
Manual Integrations
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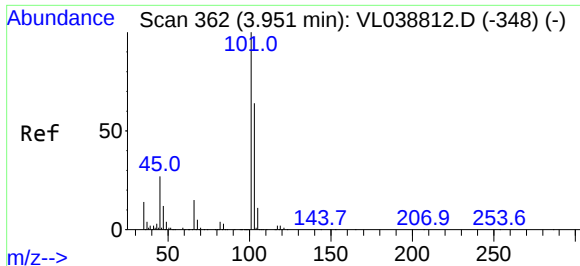
Reviewed By :Semsettin Yesilyurt 04/20/2022
Supervised By :Mahesh Dadoda 04/20/2022



#9
Propene
Concen: 0.989 ppbv
RT: 3.034 min Scan# 77
Delta R.T. 0.022 min
Lab File: VL038948.D
Acq: 19 Apr 2022 13:52

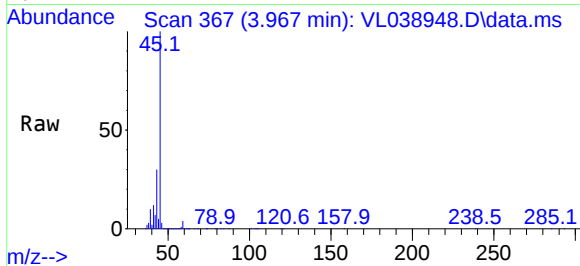
Tgt Ion: 41 Resp: 75132
Ion Ratio Lower Upper
41 100
42 49.6 54.2 81.4#





#11
Trichlorofluoromethane
Concen: 0.202 ppbv
RT: 3.967 min Scan# 30
Delta R.T. 0.016 min
Lab File: VL038948.D
Acq: 19 Apr 2022 13:52

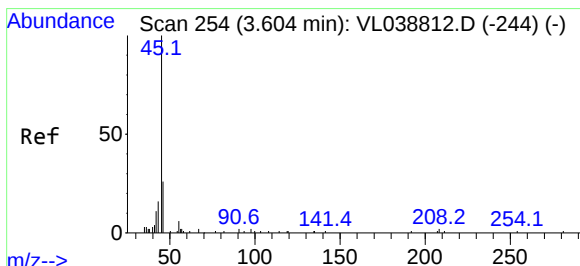
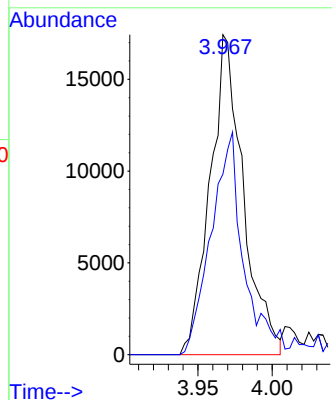
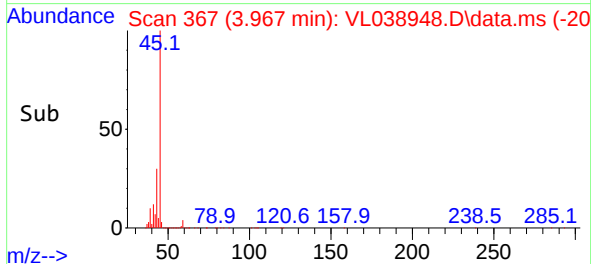
Instrument :
MSVOA_L
ClientSampleId :
IA-1



Tgt Ion:101 Resp: 27080
Ion Ratio Lower Upper
101 100
103 56.4 51.4 77.0

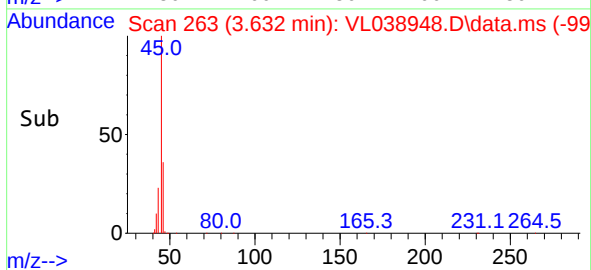
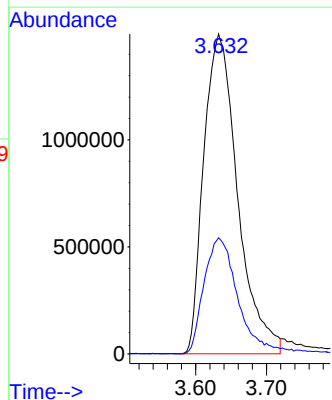
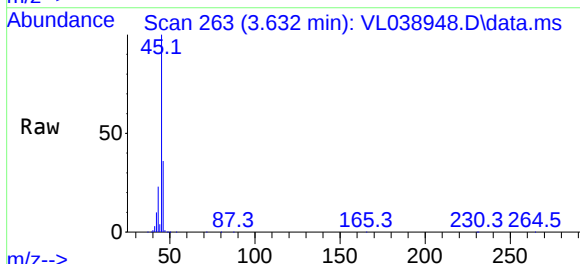
Manual Integrations
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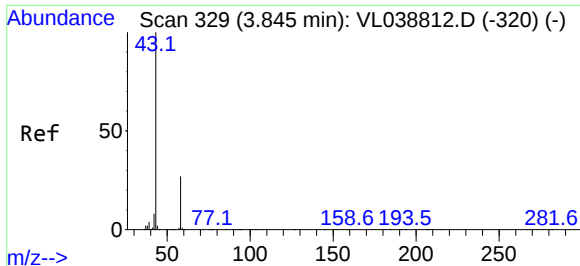
Reviewed By :Semsettin Yesilyurt 04/20/2022
Supervised By :Mahesh Dadoda 04/20/2022



#13
Ethanol
Concen: 1075.173 ppbv
RT: 3.632 min Scan# 263
Delta R.T. 0.029 min
Lab File: VL038948.D
Acq: 19 Apr 2022 13:52

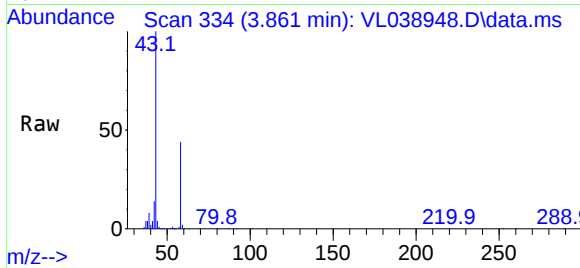
Tgt Ion: 45 Resp: 4963538
Ion Ratio Lower Upper
45 100
46 37.1 0.0 0.0#





#15
Acetone
Concen: 124.729 ppbv
RT: 3.861 min Scan# 31
Delta R.T. 0.016 min
Lab File: VL038948.D
Acq: 19 Apr 2022 13:52

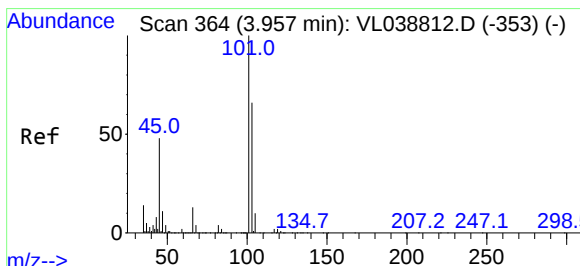
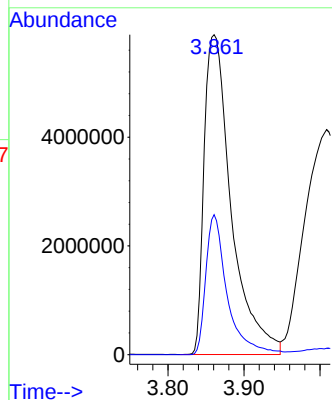
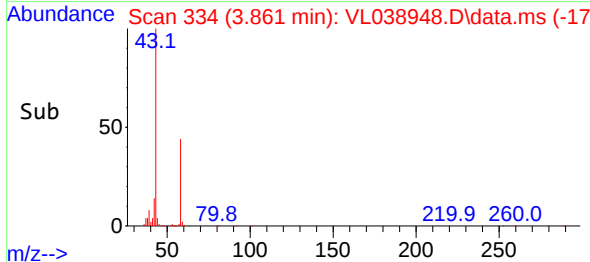
Instrument :
MSVOA_L
ClientSampleId :
IA-1



Tgt Ion: 43 Resp:14609450
Ion Ratio Lower Upper
43 100
58 34.6 22.5 33.7

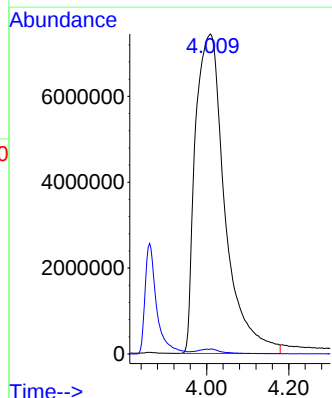
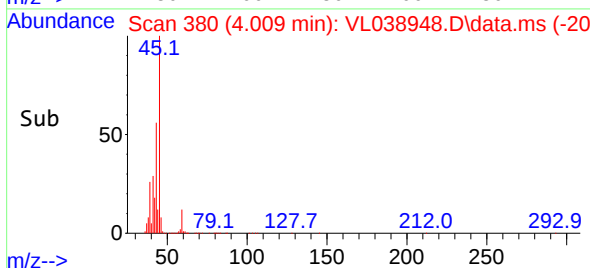
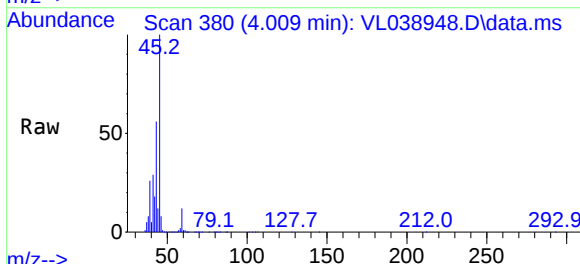
Manual Integrations
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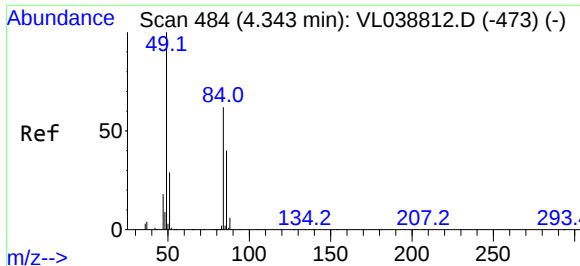
Reviewed By :Semsettin Yesilyurt 04/20/2022
Supervised By :Mahesh Dadoda 04/20/2022



#19
Isopropyl Alcohol
Concen: 619.739 ppbv
RT: 4.009 min Scan# 380
Delta R.T. 0.051 min
Lab File: VL038948.D
Acq: 19 Apr 2022 13:52

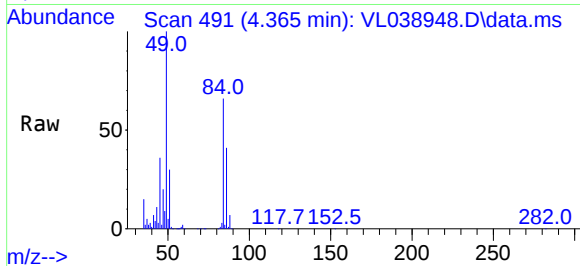
Tgt Ion: 45 Resp:37100524
Ion Ratio Lower Upper
45 100
58 1.2 0.0 0.0





#20
Methylene Chloride
Concen: 8.638 ppbv
RT: 4.365 min Scan# 491
Delta R.T. 0.022 min
Lab File: VL038948.D
Acq: 19 Apr 2022 13:52

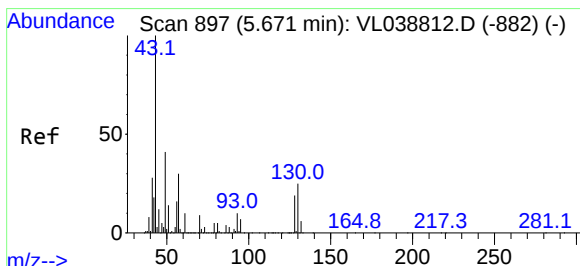
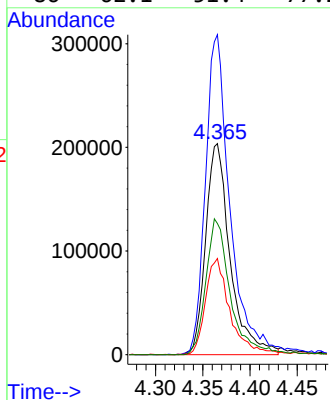
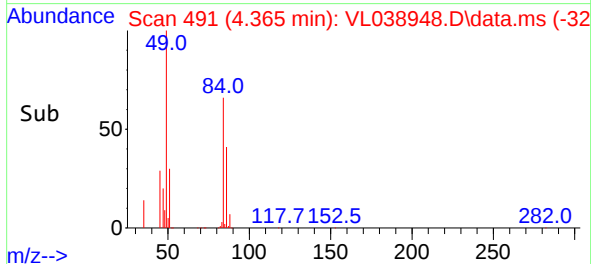
Instrument :
MSVOA_L
ClientSampleId :
IA-1



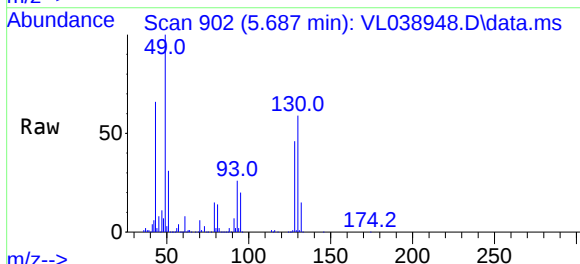
Tgt Ion: 84 Resp: 366942
Ion Ratio Lower Upper
84 100
49 151.4 129.4 194.0
51 45.3 37.4 56.2
86 62.1 51.4 77.2

Manual Integrations
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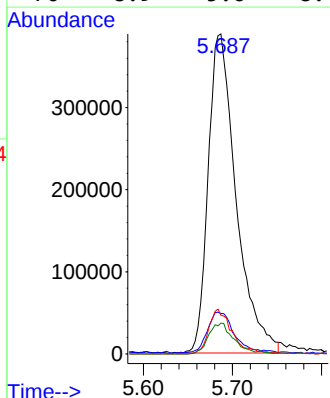
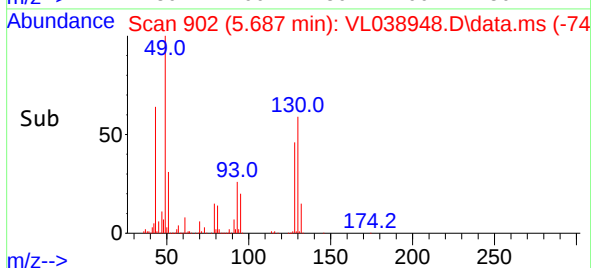
Reviewed By :Semsettin Yesilyurt 04/20/2022
Supervised By :Mahesh Dadoda 04/20/2022

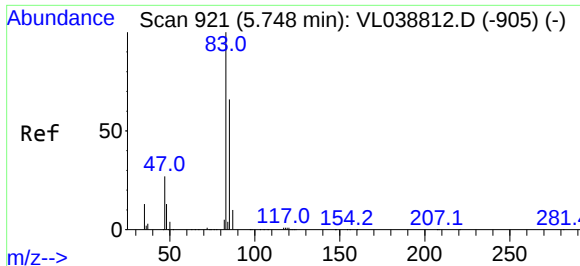


#25
Ethyl Acetate
Concen: 2.850 ppbv
RT: 5.687 min Scan# 902
Delta R.T. 0.016 min
Lab File: VL038948.D
Acq: 19 Apr 2022 13:52



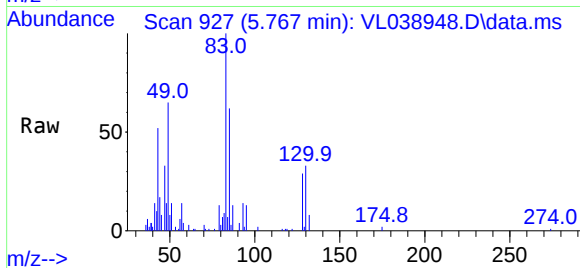
Tgt Ion: 43 Resp: 847150
Ion Ratio Lower Upper
43 100
45 13.1 8.4 12.6#
61 12.1 7.9 11.9#
70 8.9 5.6 8.4#





#29
Chloroform
Concen: 0.172 ppbv
RT: 5.767 min Scan# 91
Delta R.T. 0.019 min
Lab File: VL038948.D
Acq: 19 Apr 2022 13:52

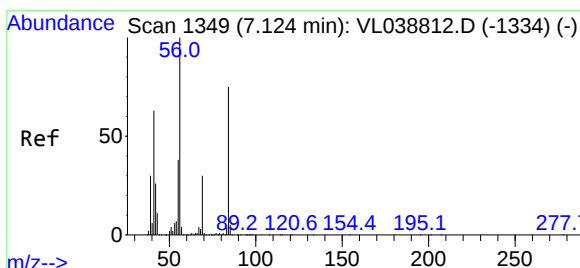
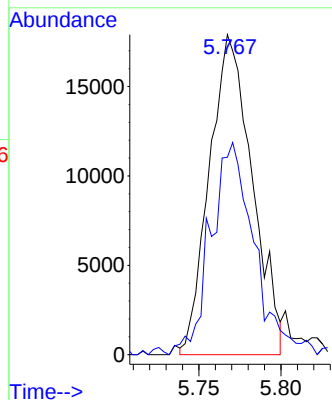
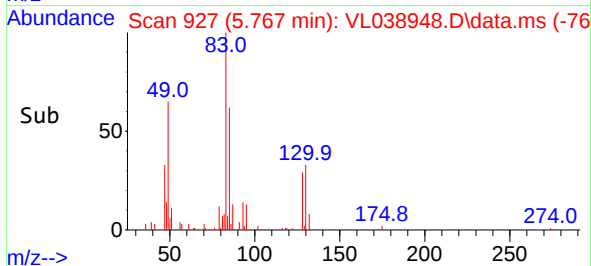
Instrument :
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ClientSampleId :
IA-1



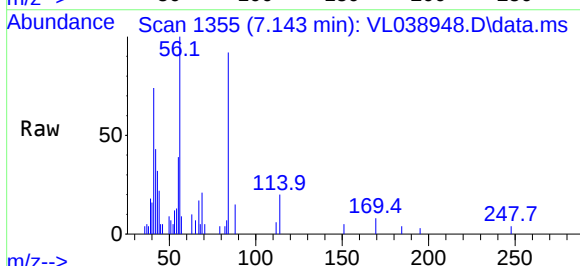
Tgt Ion: 83 Resp: 3253
Ion Ratio Lower Upper
83 100
85 59.6 52.5 78.7

Manual Integrations
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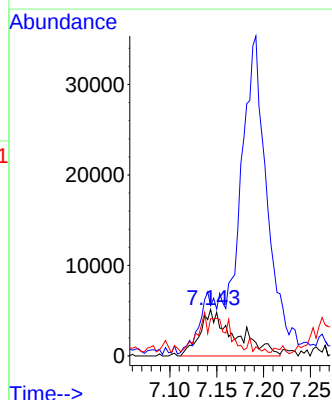
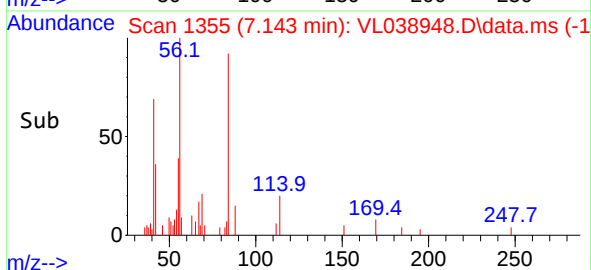
Reviewed By :Semsettin Yesilyurt 04/20/2022
Supervised By :Mahesh Dadoda 04/20/2022

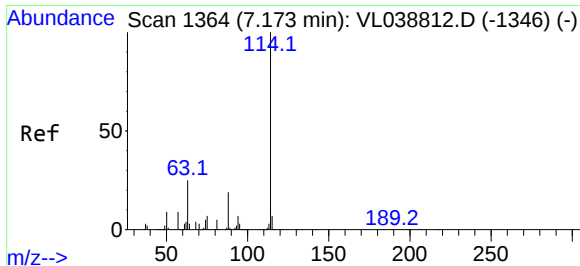


#30
Cyclohexane
Concen: 0.111 ppbv m
RT: 7.143 min Scan# 1355
Delta R.T. 0.019 min
Lab File: VL038948.D
Acq: 19 Apr 2022 13:52



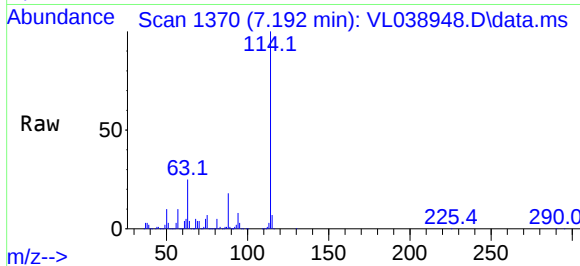
Tgt Ion: 84 Resp: 13274
Ion Ratio Lower Upper
84 100
56 0.0 114.4 171.6#
41 87.6 69.0 103.4





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.192 min Scan# 114
Delta R.T. 0.019 min
Lab File: VL038948.D
Acq: 19 Apr 2022 13:52

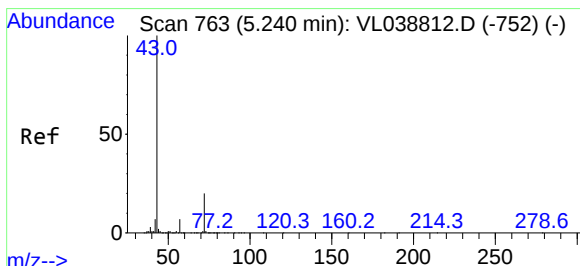
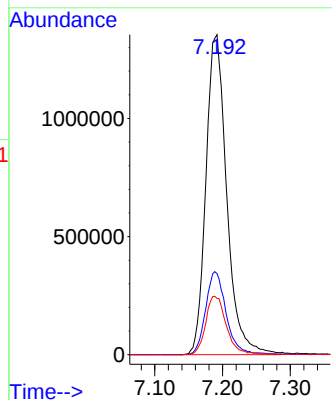
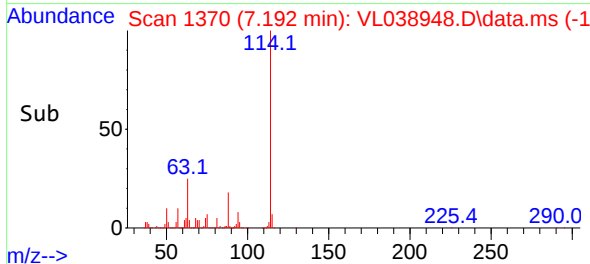
Instrument :
MSVOA_L
ClientSampleId :
IA-1



Tgt Ion:114 Resp: 2890819
Ion Ratio Lower Upper
114 100
63 25.9 19.8 29.8
88 18.2 14.2 21.4

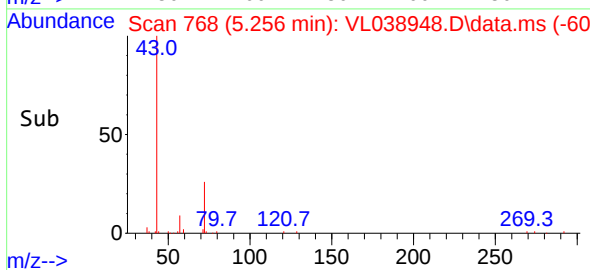
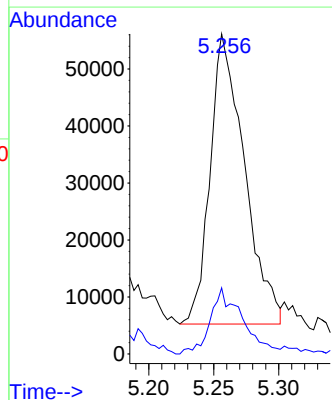
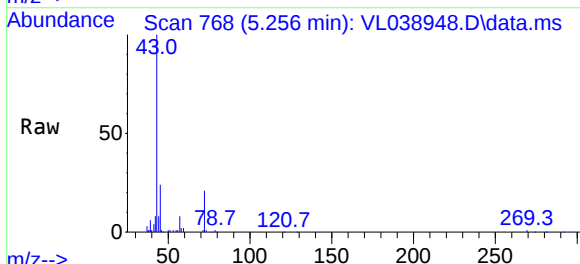
Manual Integrations
APPROVED

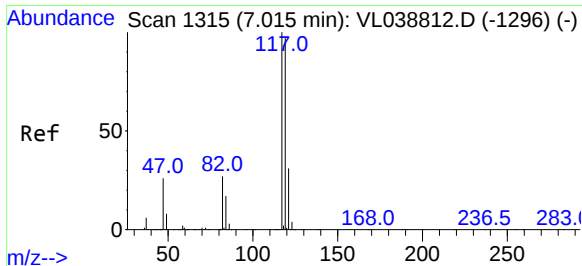
Reviewed By :Semsettin Yesilyurt 04/20/2022
Supervised By :Mahesh Dadoda 04/20/2022



#34
2-Butanone
Concen: 0.819 ppbv
RT: 5.256 min Scan# 768
Delta R.T. 0.016 min
Lab File: VL038948.D
Acq: 19 Apr 2022 13:52

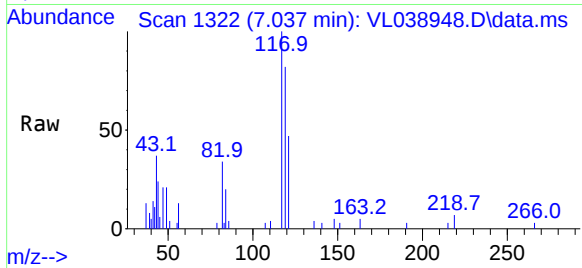
Tgt Ion: 43 Resp: 93510
Ion Ratio Lower Upper
43 100
72 23.7 16.9 25.3





#35
Carbon Tetrachloride
Concen: 0.059 ppbv m
RT: 7.037 min Scan# 117
Delta R.T. 0.022 min
Lab File: VL038948.D
Acq: 19 Apr 2022 13:52

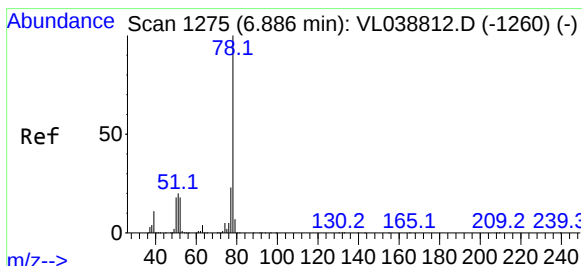
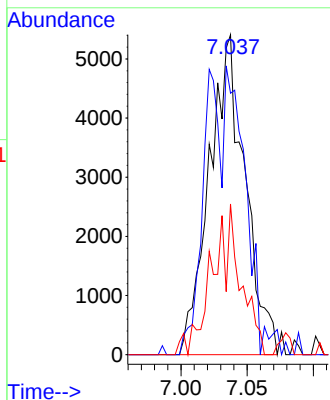
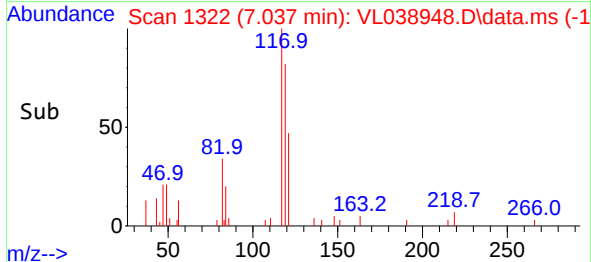
Instrument :
MSVOA_L
ClientSampleId :
IA-1



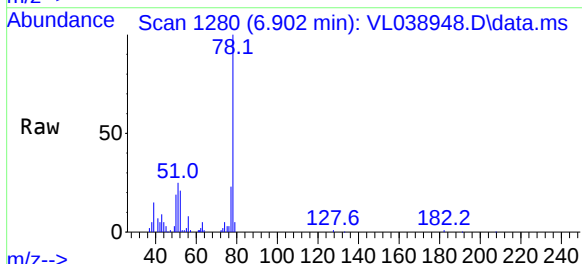
Tgt Ion: 117 Resp: 10150
Ion Ratio Lower Upper
117 100
119 81.7 77.7 116.5
121 47.1 24.5 36.7

Manual Integrations
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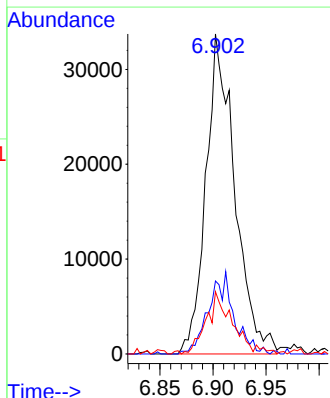
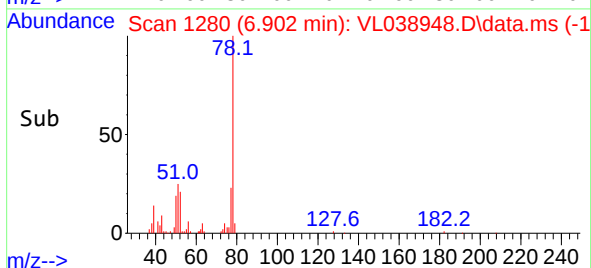
Reviewed By :Semsettin Yesilyurt 04/20/2022
Supervised By :Mahesh Dadoda 04/20/2022

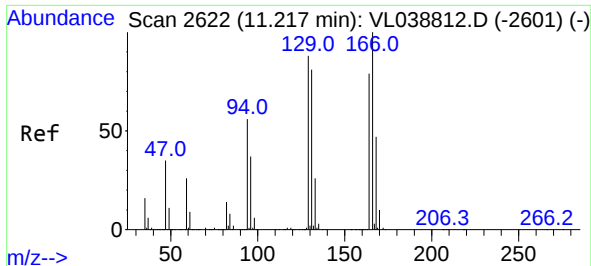


#36
Benzene
Concen: 0.243 ppbv m
RT: 6.902 min Scan# 1280
Delta R.T. 0.016 min
Lab File: VL038948.D
Acq: 19 Apr 2022 13:52



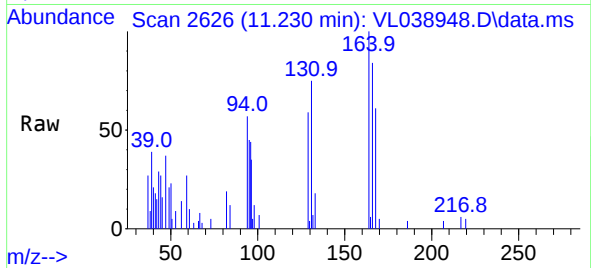
Tgt Ion: 78 Resp: 63895
Ion Ratio Lower Upper
78 100
77 22.8 18.2 27.2
50 19.4 14.0 21.0





#52
Tetrachloroethene
Concen: 0.101 ppbv m
RT: 11.230 min Scan# 2626
Delta R.T. 0.013 min
Lab File: VL038948.D
Acq: 19 Apr 2022 13:52

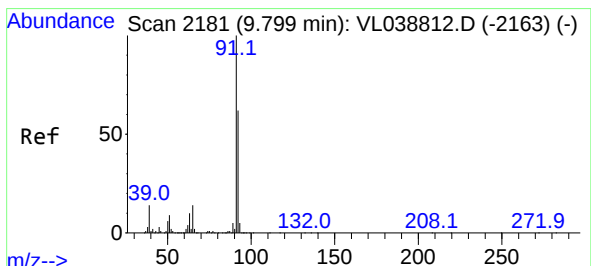
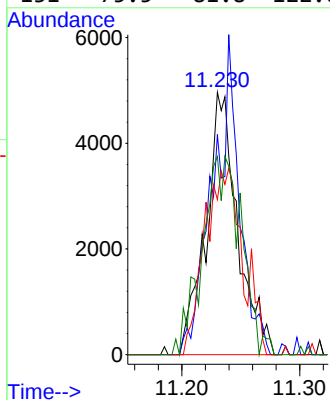
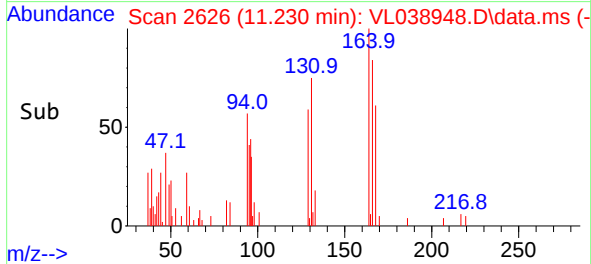
Instrument :
MSVOA_L
ClientSampleId :
IA-1



Tgt Ion:164 Resp: 9260
Ion Ratio Lower Upper
164 100
166 83.9 101.0 151.6
129 59.1 88.7 133.1
131 75.5 81.8 122.6

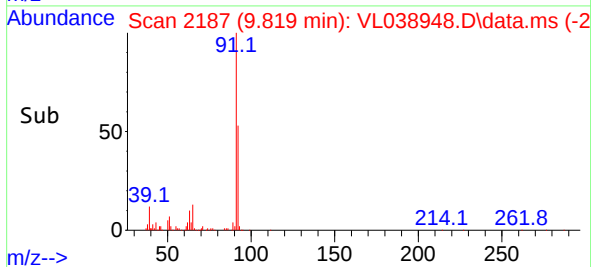
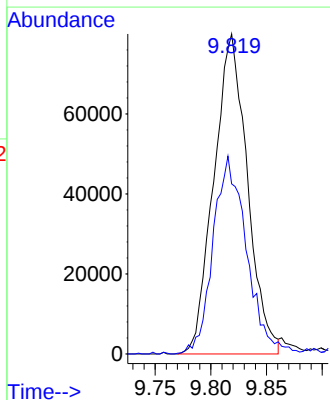
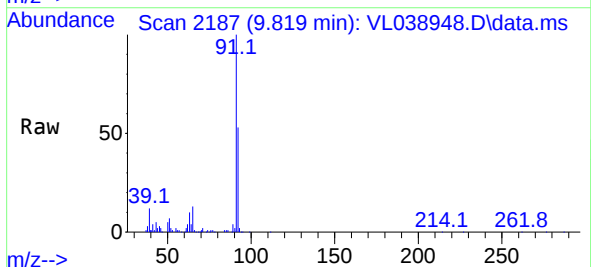
Manual Integrations
APPROVED

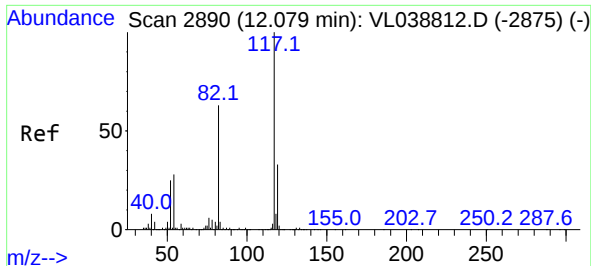
Reviewed By :Semsettin Yesilyurt 04/20/2022
Supervised By :Mahesh Dadoda 04/20/2022



#53
Toluene
Concen: 0.551 ppbv
RT: 9.819 min Scan# 2187
Delta R.T. 0.019 min
Lab File: VL038948.D
Acq: 19 Apr 2022 13:52

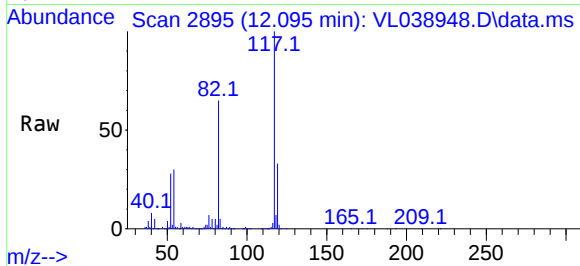
Tgt Ion: 91 Resp: 167243
Ion Ratio Lower Upper
91 100
92 61.9 49.2 73.8





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.095 min Scan# 2895
Delta R.T. 0.016 min
Lab File: VL038948.D
Acq: 19 Apr 2022 13:52

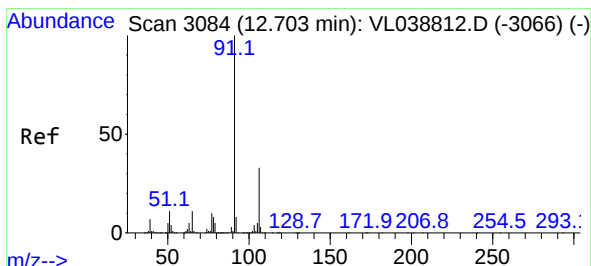
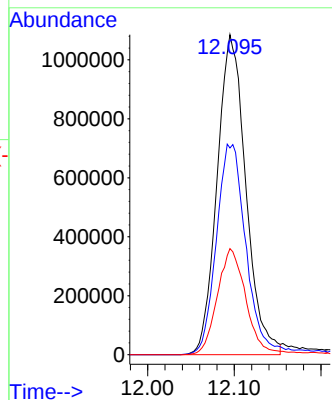
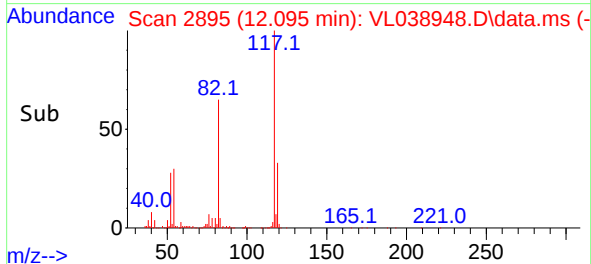
Instrument :
MSVOA_L
ClientSampleId :
IA-1



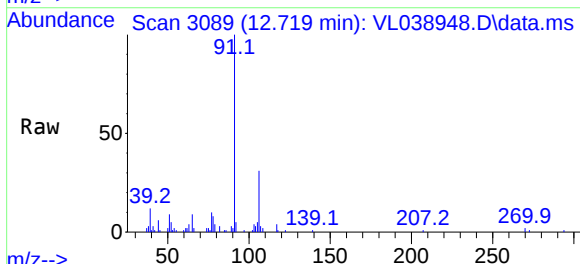
Tgt Ion:117 Resp: 2502309
Ion Ratio Lower Upper
117 100
82 70.5 53.0 79.6
119 34.4 24.9 37.3

Manual Integrations
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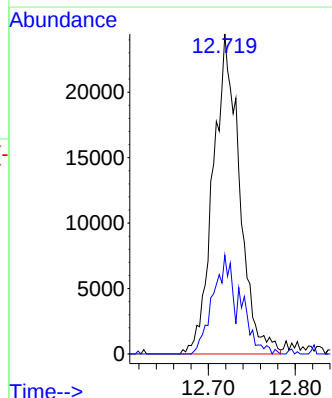
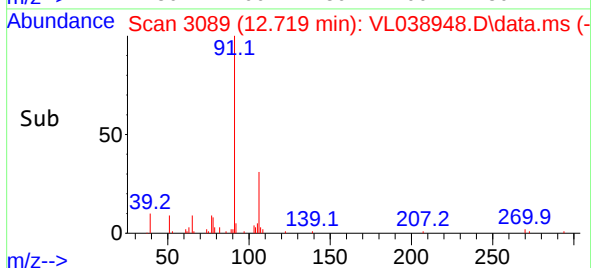
Reviewed By :Semsettin Yesilyurt 04/20/2022
Supervised By :Mahesh Dadoda 04/20/2022

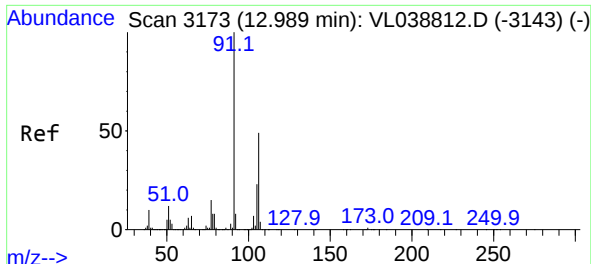


#58
Ethyl Benzene
Concen: 0.139 ppbv m
RT: 12.719 min Scan# 3089
Delta R.T. 0.016 min
Lab File: VL038948.D
Acq: 19 Apr 2022 13:52



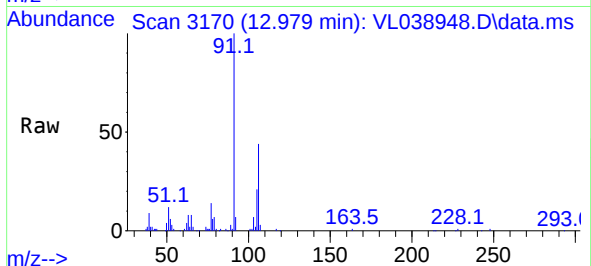
Tgt Ion: 91 Resp: 51802
Ion Ratio Lower Upper
91 100
106 30.8 26.7 40.1





#59
m/p-Xylene
Concen: 0.497 ppbv
RT: 12.979 min Scan# 3173
Delta R.T. -0.010 min
Lab File: VL038948.D
Acq: 19 Apr 2022 13:52

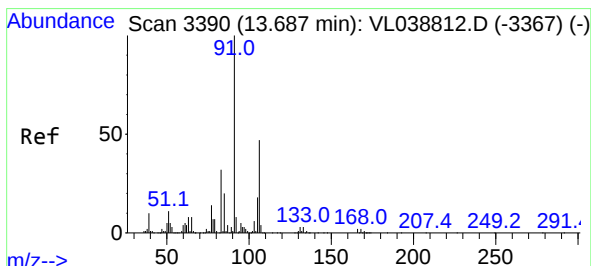
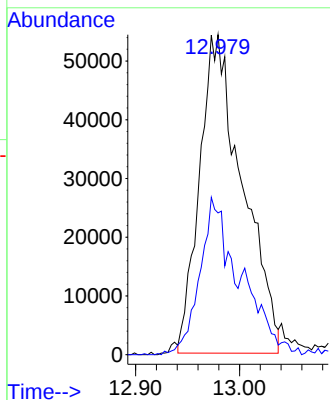
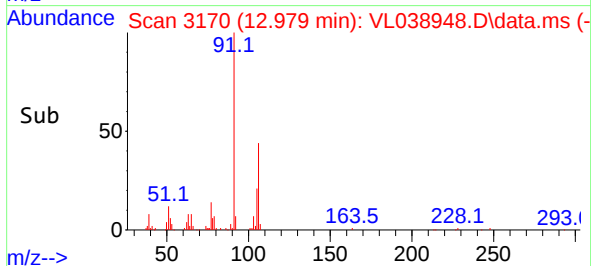
Instrument : MSVOA_L
ClientSampleId : LA-1



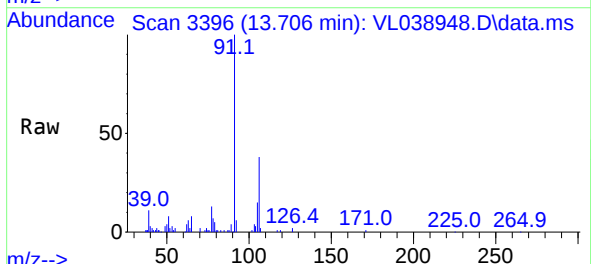
Tgt Ion: 91 Resp: 15616
Ion Ratio Lower Upper
91 100
106 47.0 37.1 55.7

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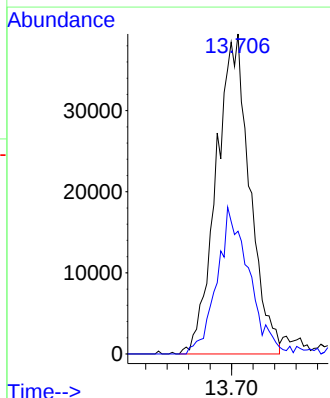
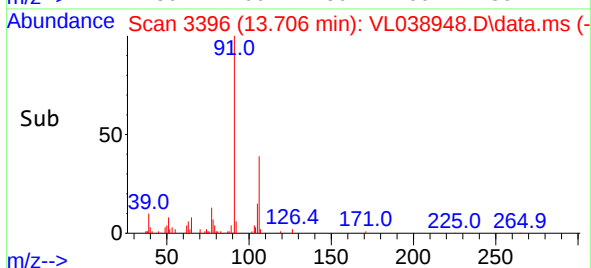
Reviewed By :Semsettin Yesilyurt 04/20/2022
Supervised By :Mahesh Dadoda 04/20/2022

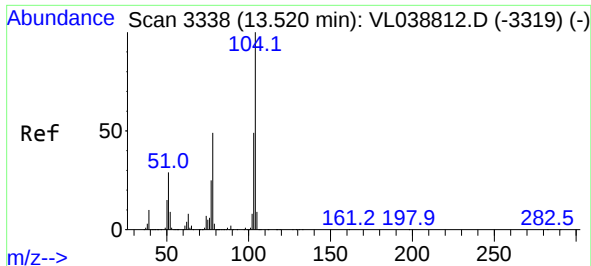


#60
o-Xylene
Concen: 0.291 ppbv m
RT: 13.706 min Scan# 3396
Delta R.T. 0.019 min
Lab File: VL038948.D
Acq: 19 Apr 2022 13:52



Tgt Ion: 91 Resp: 85474
Ion Ratio Lower Upper
91 100
106 0.0 23.8 71.4#





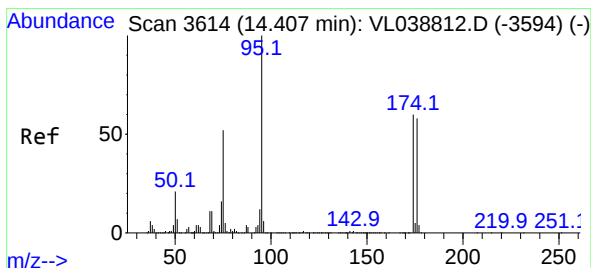
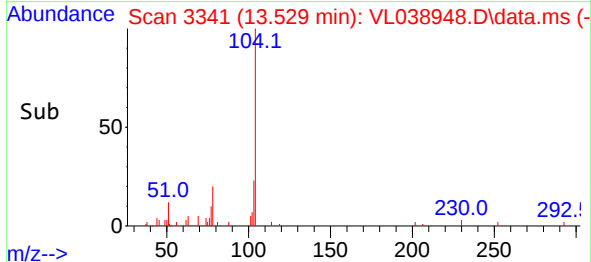
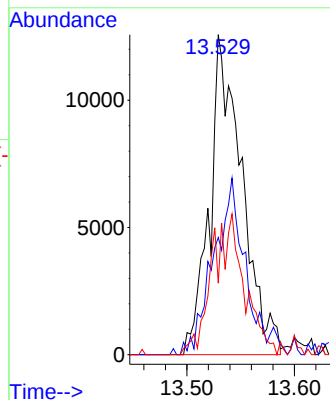
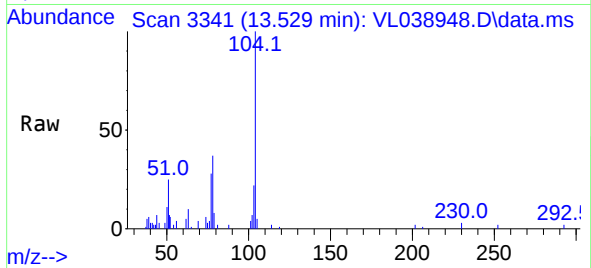
#61
Styrene
Concen: 0.146 ppbv m
RT: 13.529 min Scan# 31
Delta R.T. 0.009 min
Lab File: VL038948.D
Acq: 19 Apr 2022 13:52

Instrument :
MSVOA_L
ClientSampleId :
IA-1

Tgt Ion:104 Resp: 26084
Ion Ratio Lower Upper
104 100
78 55.6 40.5 60.7
103 45.9 39.0 58.4

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 04/20/2022
Supervised By :Mahesh Dadoda 04/20/2022



#68
1-Bromo-4-Fluorobenzene
Concen: 10.390 ppbv
RT: 14.426 min Scan# 3620
Delta R.T. 0.019 min
Lab File: VL038948.D
Acq: 19 Apr 2022 13:52

Tgt Ion: 95 Resp: 1972111
Ion Ratio Lower Upper
95 100
174 63.3 52.0 78.0
175 4.6 4.0 6.0

