

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL122921\
 Data File : VL038249.D
 Acq On : 30 Dec 2021 1:52
 Operator : SY/AP
 Sample : M5252-03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 AA-1

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 12/30/2021
 Supervised By :Semsettin Yesilyurt 01/02/2022

Quant Time: Dec 30 06:21:03 2021

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL122121AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Tue Dec 21 17:47:08 2021

QLast Update : Tue Dec 21 17:47:08 2021

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.674	49	623726	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.179	114	1568385	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.086	117	1330809	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.417	95	1078339	10.515	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.100%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	3.057	85	49833	0.424	ppbv	96
3) Chlorodifluoromethane	2.996	51	38606m	0.295	ppbv	
4) Chloromethane	3.153	50	21094	0.464	ppbv	90
9) Propene	3.028	41	94648	2.080	ppbv	90
11) Trichlorofluoromethane	3.961	101	24143m	0.224	ppbv	
13) Ethanol	3.616	45	118394	15.345	ppbv #	100
15) Acetone	3.861	43	190579	3.045	ppbv	91
19) Isopropyl Alcohol	3.993	45	29620m	0.759	ppbv	
20) Methylene Chloride	4.353	84	255277	7.223	ppbv	92
26) Hexane	5.690	57	264686	3.111	ppbv #	45
34) 2-Butanone	5.259	43	20760m	0.440	ppbv	
35) Carbon Tetrachloride	7.025	117	9022m	0.093	ppbv	
36) Benzene	6.893	78	36107	0.247	ppbv	98
52) Tetrachloroethene	11.224	164	4339m	0.080	ppbv	
53) Toluene	9.812	91	58381m	0.346	ppbv	
59) m/p-Xylene	12.973	91	32009m	0.181	ppbv	

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

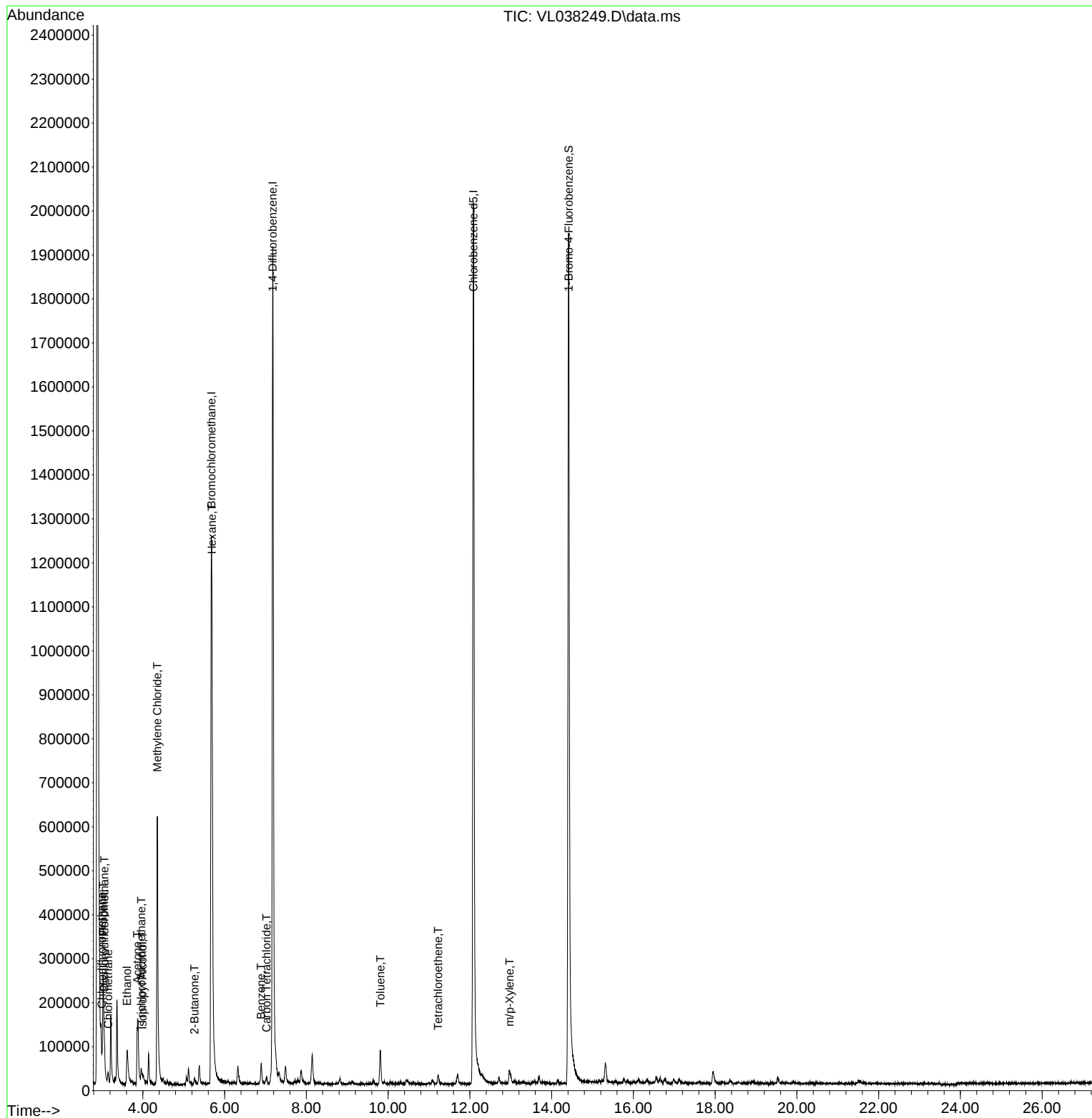
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL122921\
Data File : VL038249.D
Acq On : 30 Dec 2021 1:52
Operator : SY/AP
Sample : M5252-03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

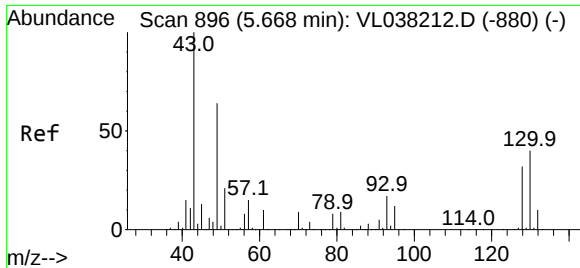
Instrument :
MSVOA_L
ClientSampleId :
AA-1

Quant Time: Dec 30 06:21:03 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL122121AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Dec
QLast Update : Tue Dec 21 17:47:08 2021
Response via : Initial Calibration

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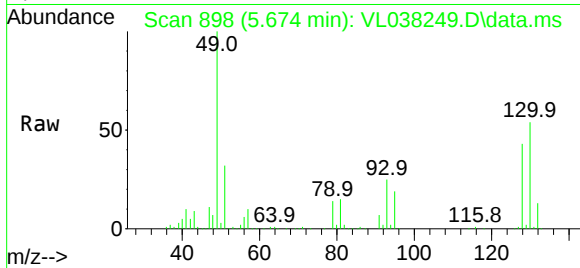
Reviewed By :Amit Patel 12/30/2021
Supervised By :Semsettin Yesilyurt 01/02/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.674 min Scan# 896
Delta R.T. 0.006 min
Lab File: VL038249.D
Acq: 30 Dec 2021 1:52

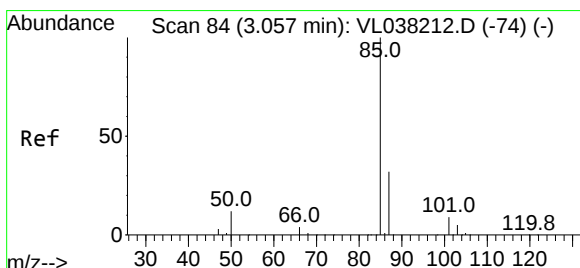
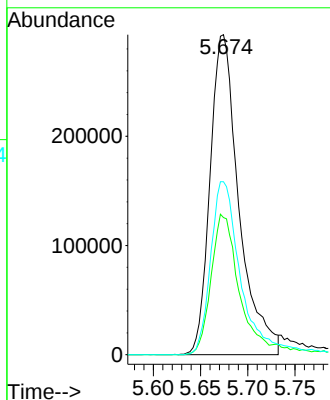
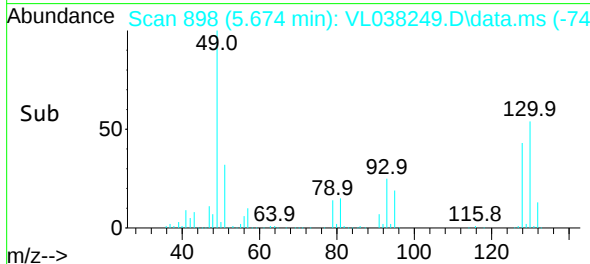
Instrument :
MSVOA_L
ClientSampleId :
AA-1



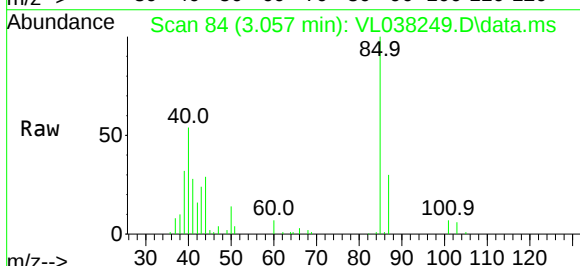
Tgt Ion: 49 Resp: 623720
Ion Ratio Lower Upper
49 100
128 45.6 26.9 80.6
130 58.3 32.3 96.9

Manual Integrations
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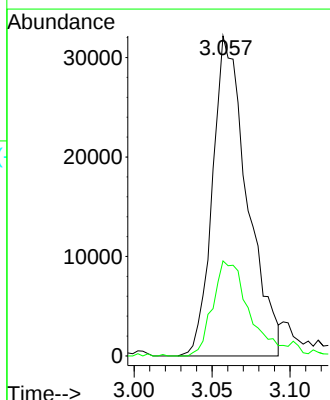
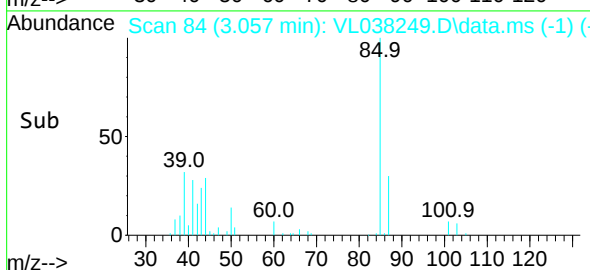
Reviewed By :Amit Patel 12/30/2021
Supervised By :Semsettin Yesilyurt 01/02/2022

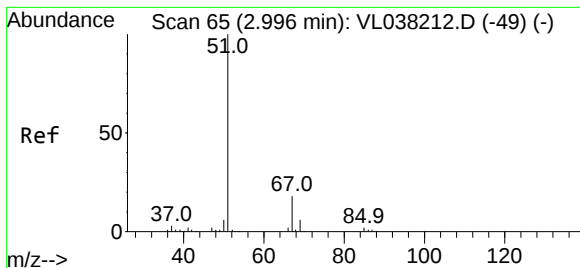


#2
Dichlorodifluoromethane
Concen: 0.424 ppbv
RT: 3.057 min Scan# 84
Delta R.T. 0.000 min
Lab File: VL038249.D
Acq: 30 Dec 2021 1:52



Tgt Ion: 85 Resp: 49833
Ion Ratio Lower Upper
85 100
87 29.7 25.4 38.2





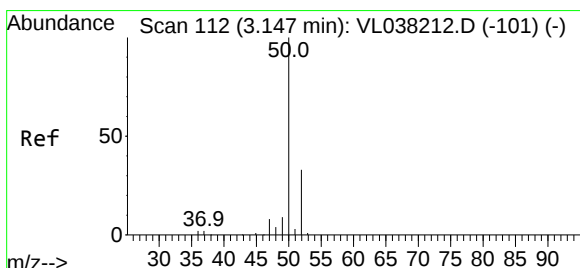
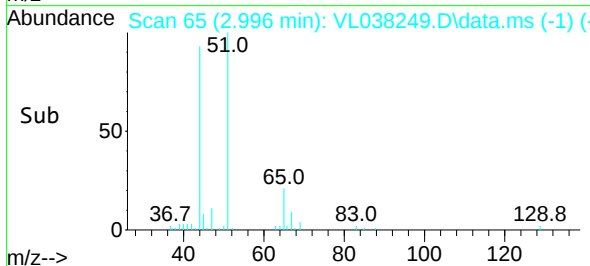
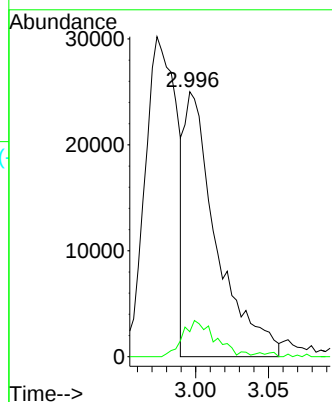
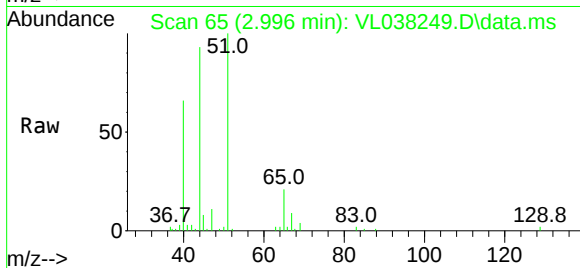
#3
Chlorodifluoromethane
Concen: 0.295 ppbv m
RT: 2.996 min Scan# 61
Delta R.T. 0.000 min
Lab File: VL038249.D
Acq: 30 Dec 2021 1:52

Instrument :
MSVOA_L
ClientSampleId :
AA-1

Tgt Ion: 51 Resp: 38600
Ion Ratio Lower Upper
51 100
67 15.0 14.0 21.0

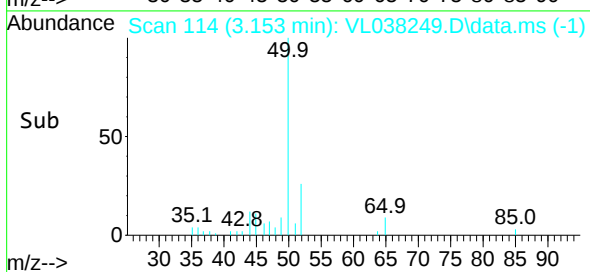
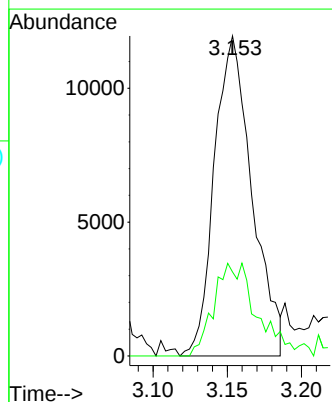
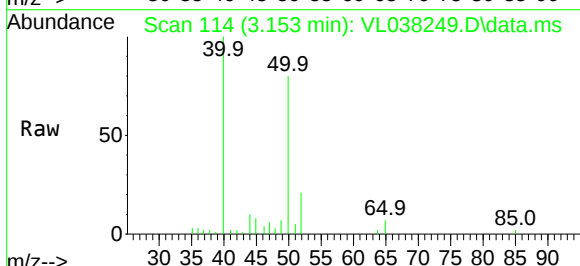
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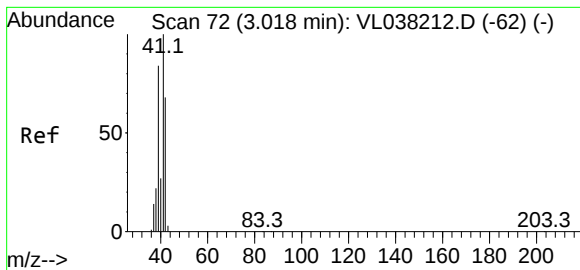
Reviewed By :Amit Patel 12/30/2021
Supervised By :Semsettin Yesilyurt 01/02/2022



#4
Chloromethane
Concen: 0.464 ppbv
RT: 3.153 min Scan# 114
Delta R.T. 0.006 min
Lab File: VL038249.D
Acq: 30 Dec 2021 1:52

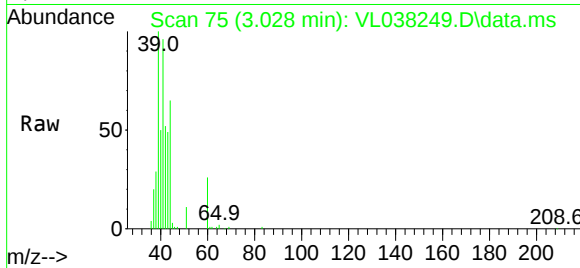
Tgt Ion: 50 Resp: 21094
Ion Ratio Lower Upper
50 100
52 26.9 26.2 39.2





#9
Propene
Concen: 2.080 ppbv
RT: 3.028 min Scan# 71
Delta R.T. 0.010 min
Lab File: VL038249.D
Acq: 30 Dec 2021 1:52

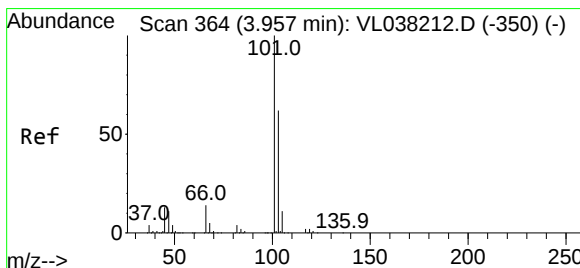
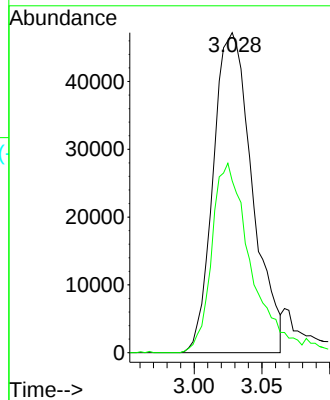
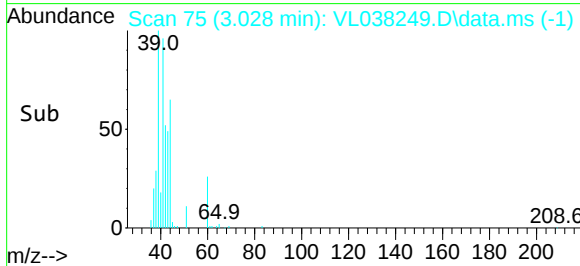
Instrument :
MSVOA_L
ClientSampleId :
AA-1



Tgt Ion: 41 Resp: 94648
Ion Ratio Lower Upper
41 100
42 61.2 55.5 83.3

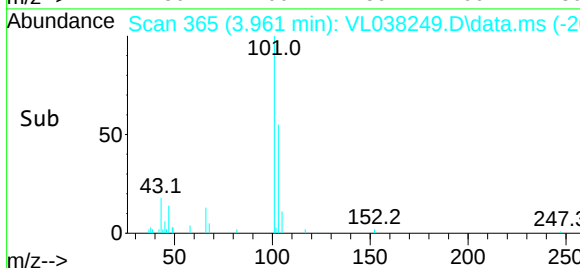
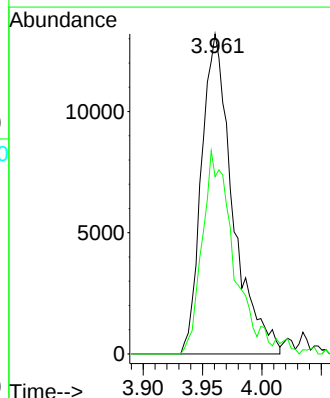
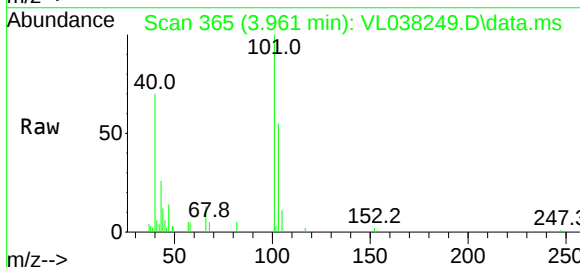
Manual Integrations
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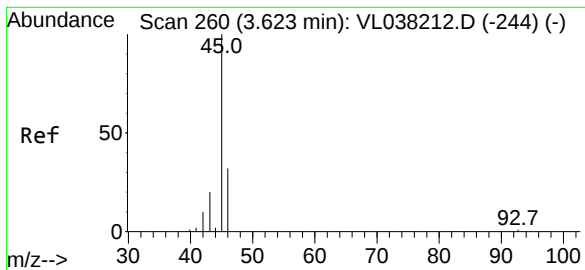
Reviewed By :Amit Patel 12/30/2021
Supervised By :Semsettin Yesilyurt 01/02/2022



#11
Trichlorofluoromethane
Concen: 0.224 ppbv m
RT: 3.961 min Scan# 365
Delta R.T. 0.003 min
Lab File: VL038249.D
Acq: 30 Dec 2021 1:52

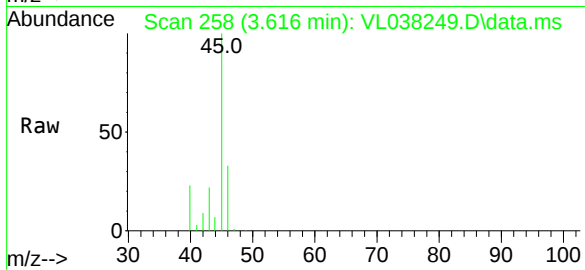
Tgt Ion:101 Resp: 24143
Ion Ratio Lower Upper
101 100
103 55.4 49.9 74.9





#13
Ethanol
Concen: 15.345 ppbv
RT: 3.616 min Scan# 21
Delta R.T. -0.006 min
Lab File: VL038249.D
Acq: 30 Dec 2021 1:52

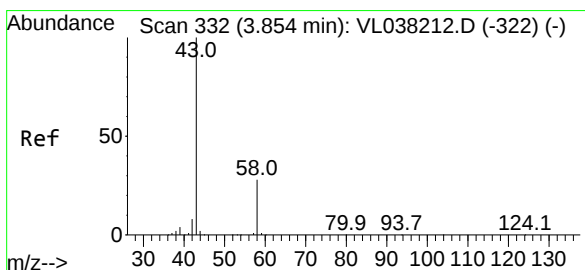
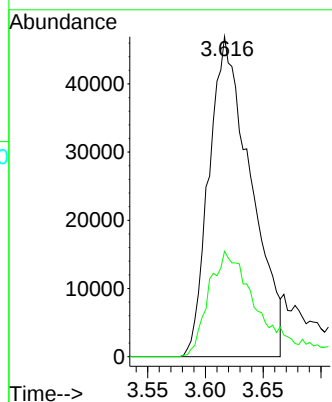
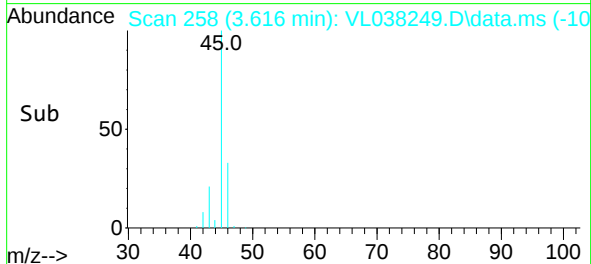
Instrument :
MSVOA_L
ClientSampleId :
AA-1



Tgt Ion: 45 Resp: 118394
Ion Ratio Lower Upper
45 100
46 39.6 0.0 0.0

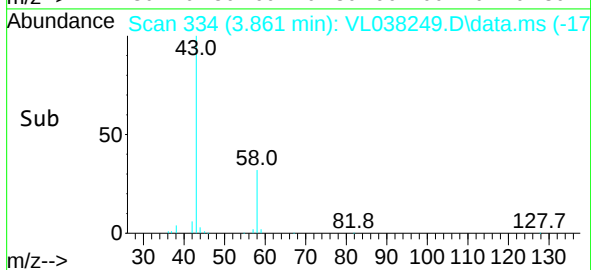
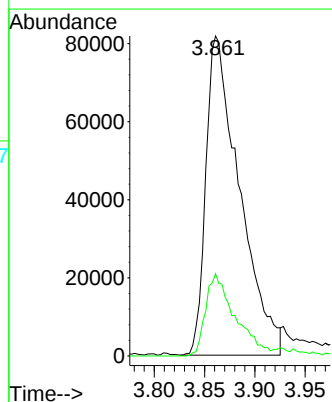
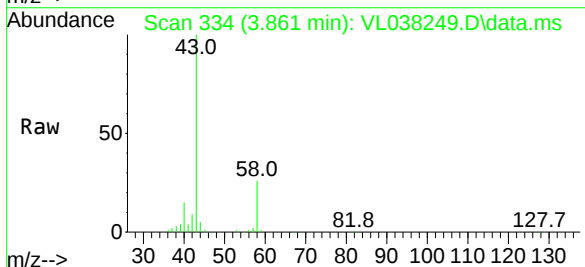
Manual Integrations
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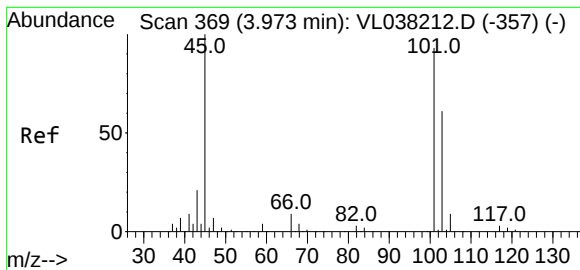
Reviewed By :Amit Patel 12/30/2021
Supervised By :Semsettin Yesilyurt 01/02/2022



#15
Acetone
Concen: 3.045 ppbv
RT: 3.861 min Scan# 334
Delta R.T. 0.006 min
Lab File: VL038249.D
Acq: 30 Dec 2021 1:52

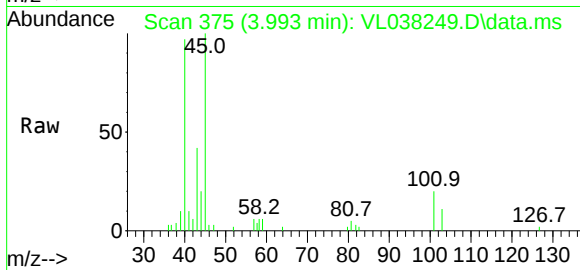
Tgt Ion: 43 Resp: 190579
Ion Ratio Lower Upper
43 100
58 24.4 23.3 34.9





#19
Isopropyl Alcohol
Concen: 0.759 ppbv m
RT: 3.993 min Scan# 31
Delta R.T. 0.019 min
Lab File: VL038249.D
Acq: 30 Dec 2021 1:52

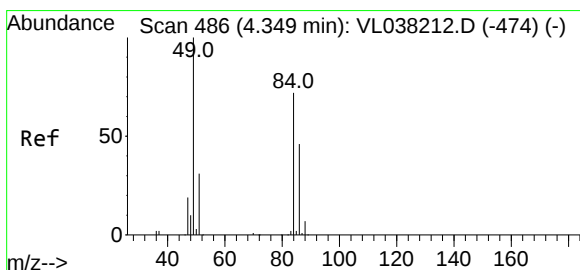
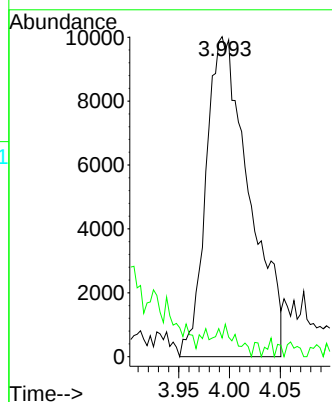
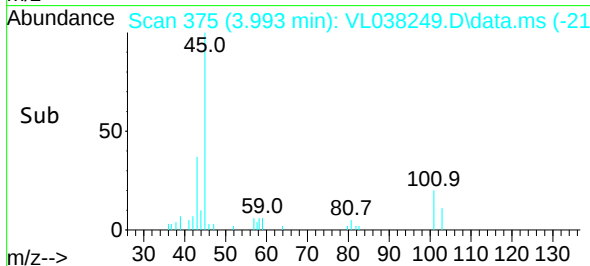
Instrument :
MSVOA_L
ClientSampleId :
AA-1



Tgt Ion: 45 Resp: 29620
Ion Ratio Lower Upper
45 100
58 0.0 32.4 48.6

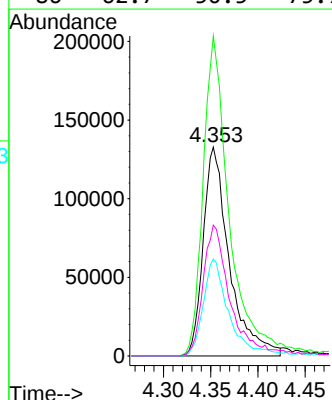
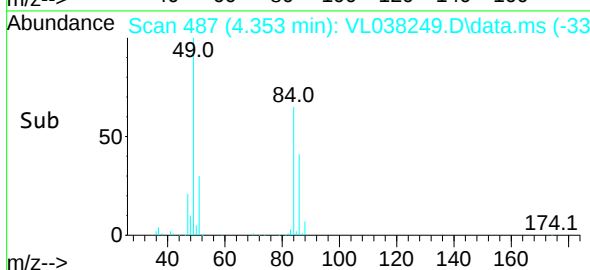
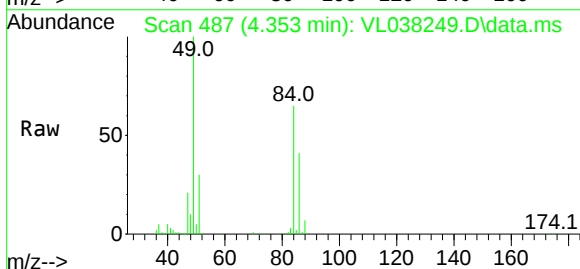
Manual Integrations
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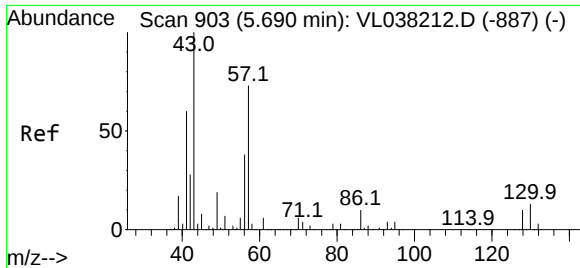
Reviewed By :Amit Patel 12/30/2021
Supervised By :Semsettin Yesilyurt 01/02/2022



#20
Methylene Chloride
Concen: 7.223 ppbv
RT: 4.353 min Scan# 487
Delta R.T. 0.003 min
Lab File: VL038249.D
Acq: 30 Dec 2021 1:52

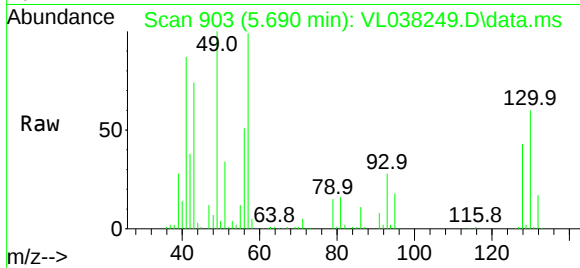
Tgt Ion: 84 Resp: 255277
Ion Ratio Lower Upper
84 100
49 153.3 110.6 166.0
51 46.4 34.2 51.2
86 62.7 50.5 75.7





#26
Hexane
Concen: 3.111 ppbv
RT: 5.690 min Scan# 903
Delta R.T. 0.000 min
Lab File: VL038249.D
Acq: 30 Dec 2021 1:52

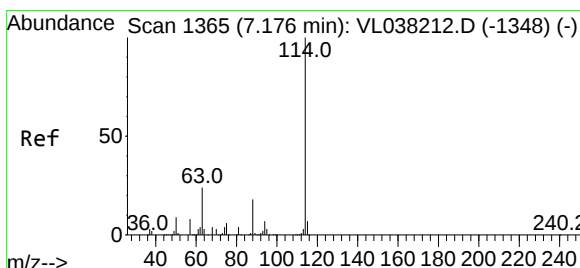
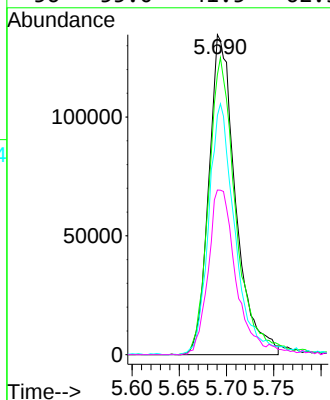
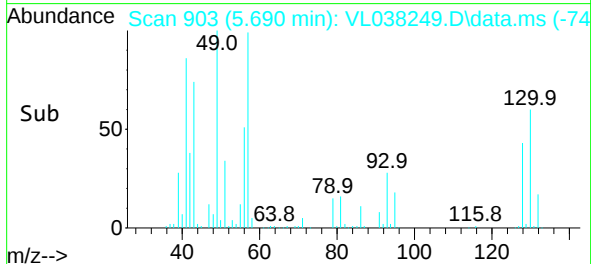
Instrument :
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ClientSampleId :
AA-1



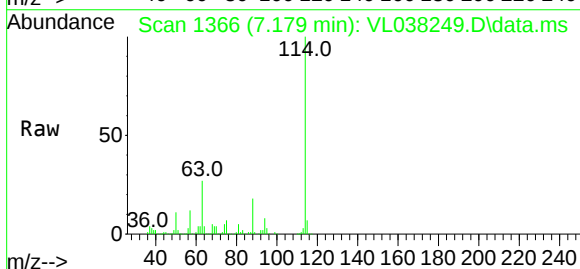
Tgt Ion: 57 Resp: 264680
Ion Ratio Lower Upper
57 100
41 96.2 69.0 103.6
43 78.9 171.2 256.8
56 55.0 41.5 62.3

Manual Integrations
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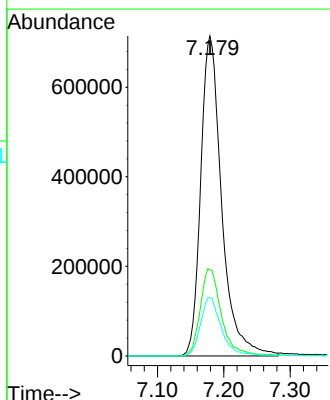
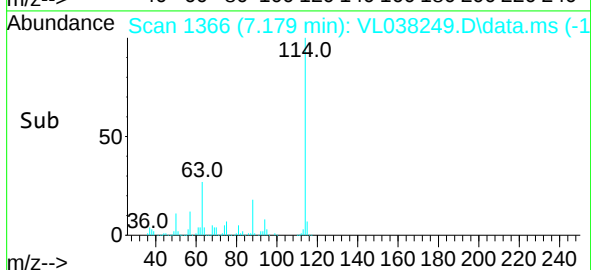
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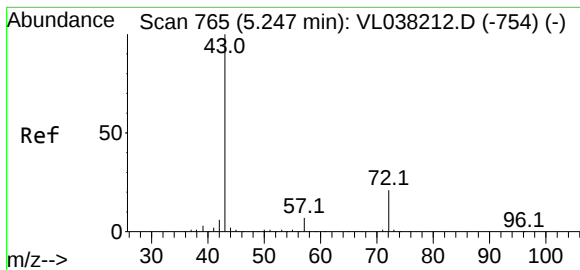


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.179 min Scan# 1366
Delta R.T. 0.003 min
Lab File: VL038249.D
Acq: 30 Dec 2021 1:52



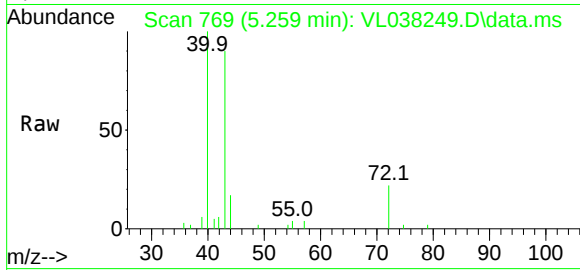
Tgt Ion:114 Resp: 1568385
Ion Ratio Lower Upper
114 100
63 27.9 19.7 29.5
88 18.5 14.3 21.5





#34
2-Butanone
Concen: 0.440 ppbv m
RT: 5.259 min Scan# 70
Delta R.T. 0.013 min
Lab File: VL038249.D
Acq: 30 Dec 2021 1:52

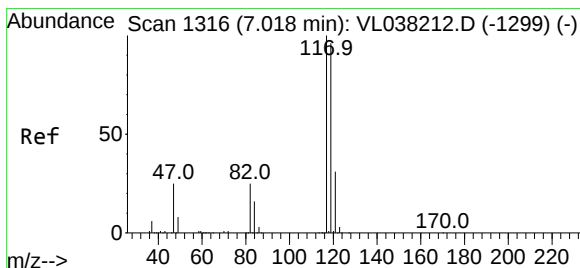
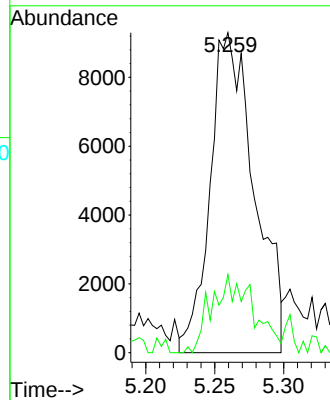
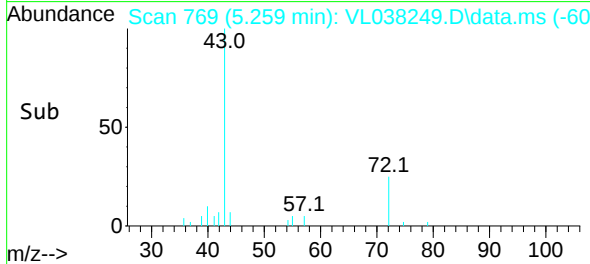
Instrument :
MSVOA_L
ClientSampleId :
AA-1



Tgt Ion: 43 Resp: 20760
Ion Ratio Lower Upper
43 100
72 26.0 18.3 27.5

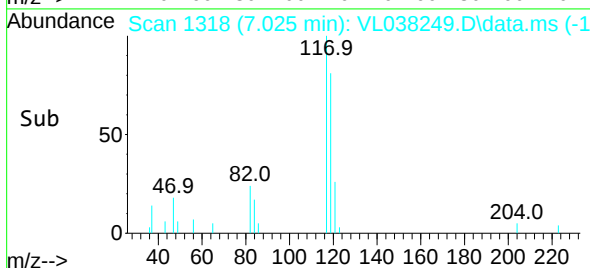
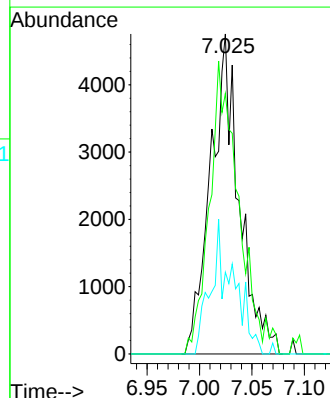
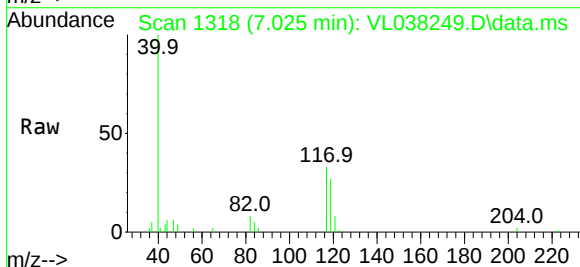
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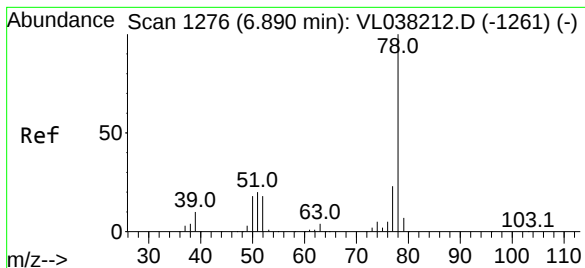
Reviewed By :Amit Patel 12/30/2021
Supervised By :Semsettin Yesilyurt 01/02/2022



#35
Carbon Tetrachloride
Concen: 0.093 ppbv m
RT: 7.025 min Scan# 1318
Delta R.T. 0.006 min
Lab File: VL038249.D
Acq: 30 Dec 2021 1:52

Tgt Ion:117 Resp: 9022
Ion Ratio Lower Upper
117 100
119 81.4 76.7 115.1
121 25.5 25.0 37.4





#36

Benzene

Concen: 0.247 ppbv

RT: 6.893 min Scan# 11

Delta R.T. 0.003 min

Lab File: VL038249.D

Acq: 30 Dec 2021 1:52

Instrument :

MSVOA_L

ClientSampleId :

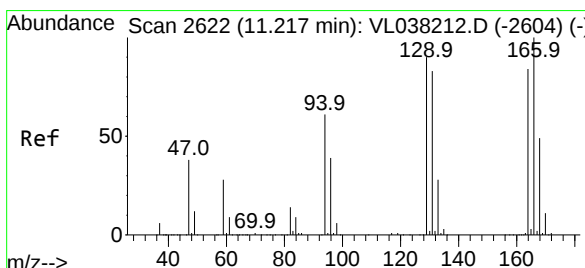
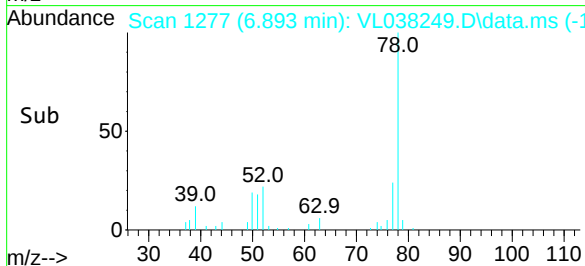
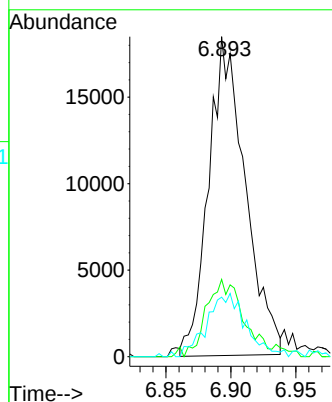
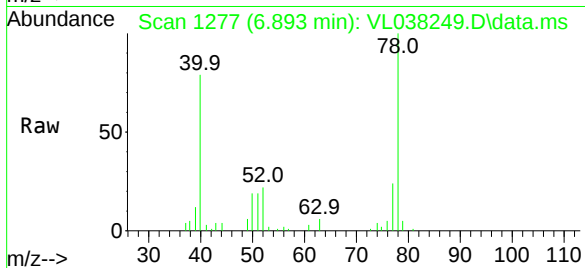
AA-1

Tgt Ion: 78	Resp: 3610
Ion Ratio	Lower Upper
78 100	
77 21.9	18.2 27.4
50 19.1	14.3 21.5

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Reviewed By :Amit Patel 12/30/2021

Supervised By :Semsettin Yesilyurt 01/02/2022



#52

Tetrachloroethene

Concen: 0.080 ppbv m

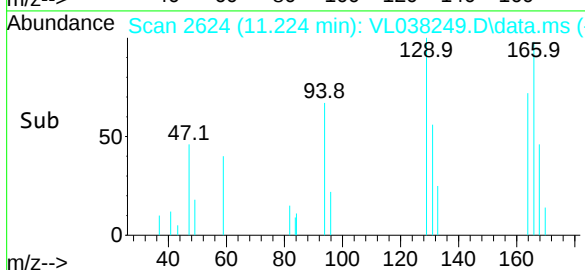
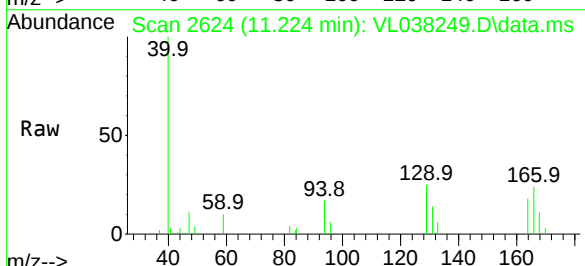
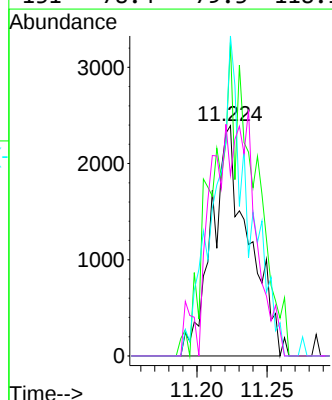
RT: 11.224 min Scan# 2624

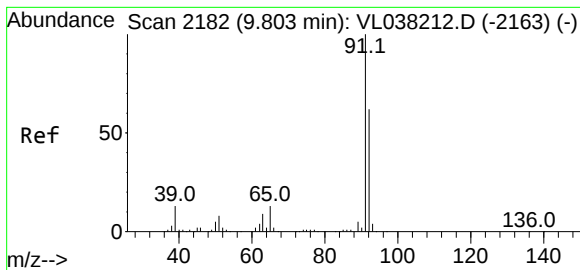
Delta R.T. 0.006 min

Lab File: VL038249.D

Acq: 30 Dec 2021 1:52

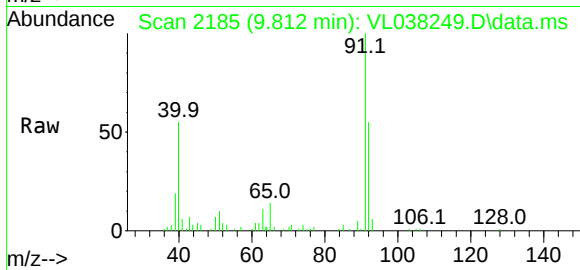
Tgt Ion:164	Resp: 4339
Ion Ratio	Lower Upper
164 100	
166 136.1	95.6 143.4
129 139.0	85.8 128.8#
131 78.4	79.3 118.9#





#53
Toluene
Concen: 0.346 ppbv m
RT: 9.812 min Scan# 2182
Delta R.T. 0.010 min
Lab File: VL038249.D
Acq: 30 Dec 2021 1:52

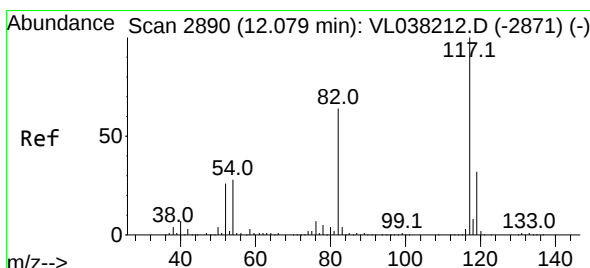
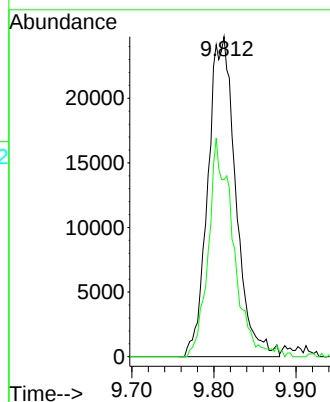
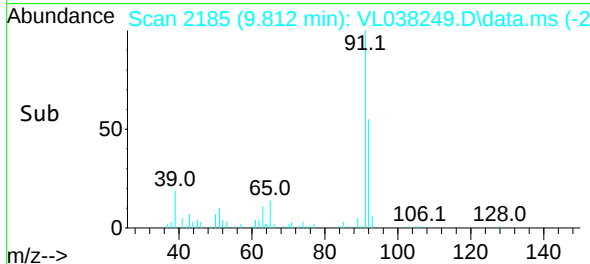
Instrument :
MSVOA_L
ClientSampleId :
AA-1



Tgt Ion: 91 Resp: 5838
Ion Ratio Lower Upper
91 100
92 60.9 48.9 73.3

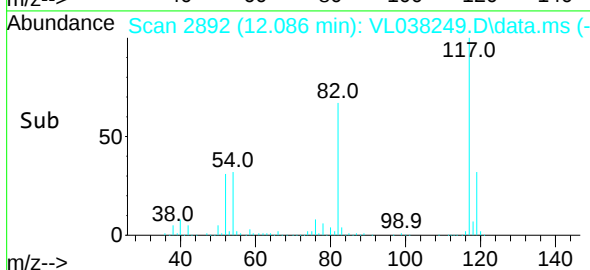
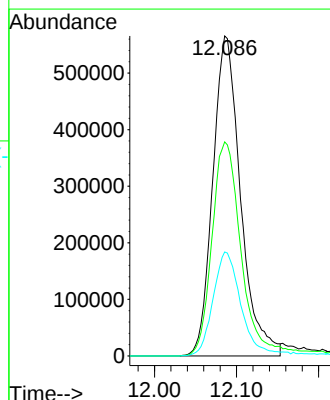
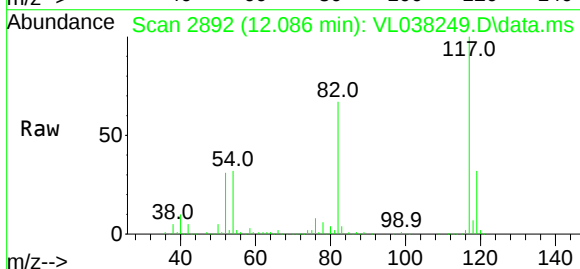
Manual Integrations
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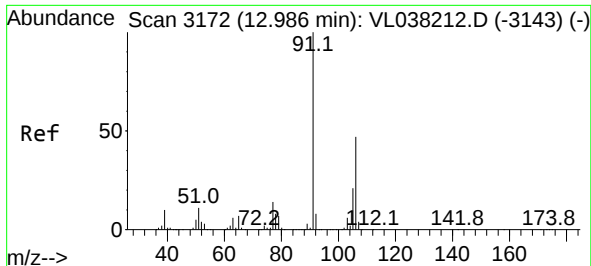
Reviewed By :Amit Patel 12/30/2021
Supervised By :Semsettin Yesilyurt 01/02/2022



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.086 min Scan# 2892
Delta R.T. 0.006 min
Lab File: VL038249.D
Acq: 30 Dec 2021 1:52

Tgt Ion:117 Resp: 1330809
Ion Ratio Lower Upper
117 100
82 73.7 53.3 79.9
119 34.4 25.5 38.3





#59

m/p-Xylene

Concen: 0.181 ppbv

RT: 12.973 min Scan# 3172

Delta R.T. -0.013 min

Lab File: VL038249.D

Acq: 30 Dec 2021 1:52

Instrument :

MSVOA_L

ClientSampleId :

AA-1

Tgt Ion: 91 Resp: 3200

Ion Ratio Lower Upper

91 100

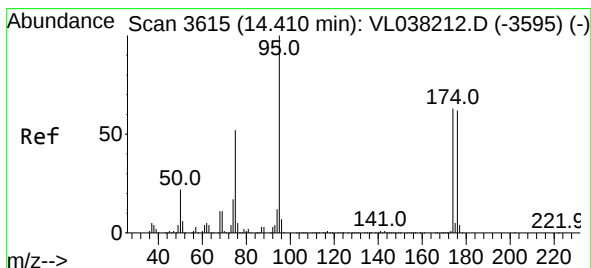
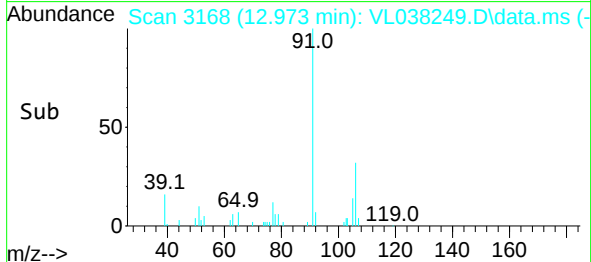
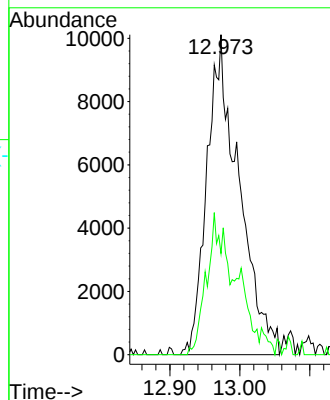
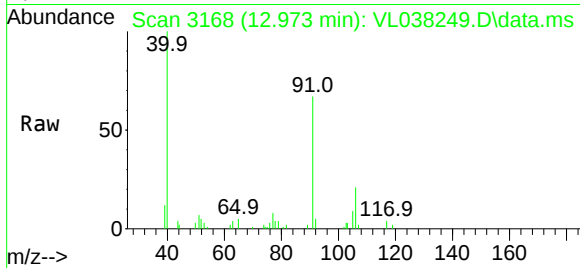
106 0.0 36.9 55.3

Manual Integrations

APPROVED

Reviewed By :Amit Patel 12/30/2021

Supervised By :Semsettin Yesilyurt 01/02/2022



#68

1-Bromo-4-Fluorobenzene

Concen: 10.515 ppbv

RT: 14.417 min Scan# 3617

Delta R.T. 0.006 min

Lab File: VL038249.D

Acq: 30 Dec 2021 1:52

Tgt Ion: 95 Resp: 1078339

Ion Ratio Lower Upper

95 100

174 60.8 54.6 81.8

175 4.2 4.1 6.1

