

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL122921\
 Data File : VL038250.D
 Acq On : 30 Dec 2021 2:30
 Operator : SY/AP
 Sample : M5252-03DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 AA-1DL

Manual Integrations
 APPROVED

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

Quant Time: Dec 30 06:21:16 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	654757	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.179	114	1608054	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.085	117	1376524	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.416	95	1063149	10.023	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.200%
Target Compounds						
9) Propene	3.031	41	12772m	0.267	ppbv	Qvalue
13) Ethanol	3.636	45	17454m	2.155	ppbv	
15) Acetone	3.874	43	38710m	0.589	ppbv	
20) Methylene Chloride	4.356	84	37118	1.000	ppbv	95
26) Hexane	5.693	57	30903	0.346	ppbv #	42

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

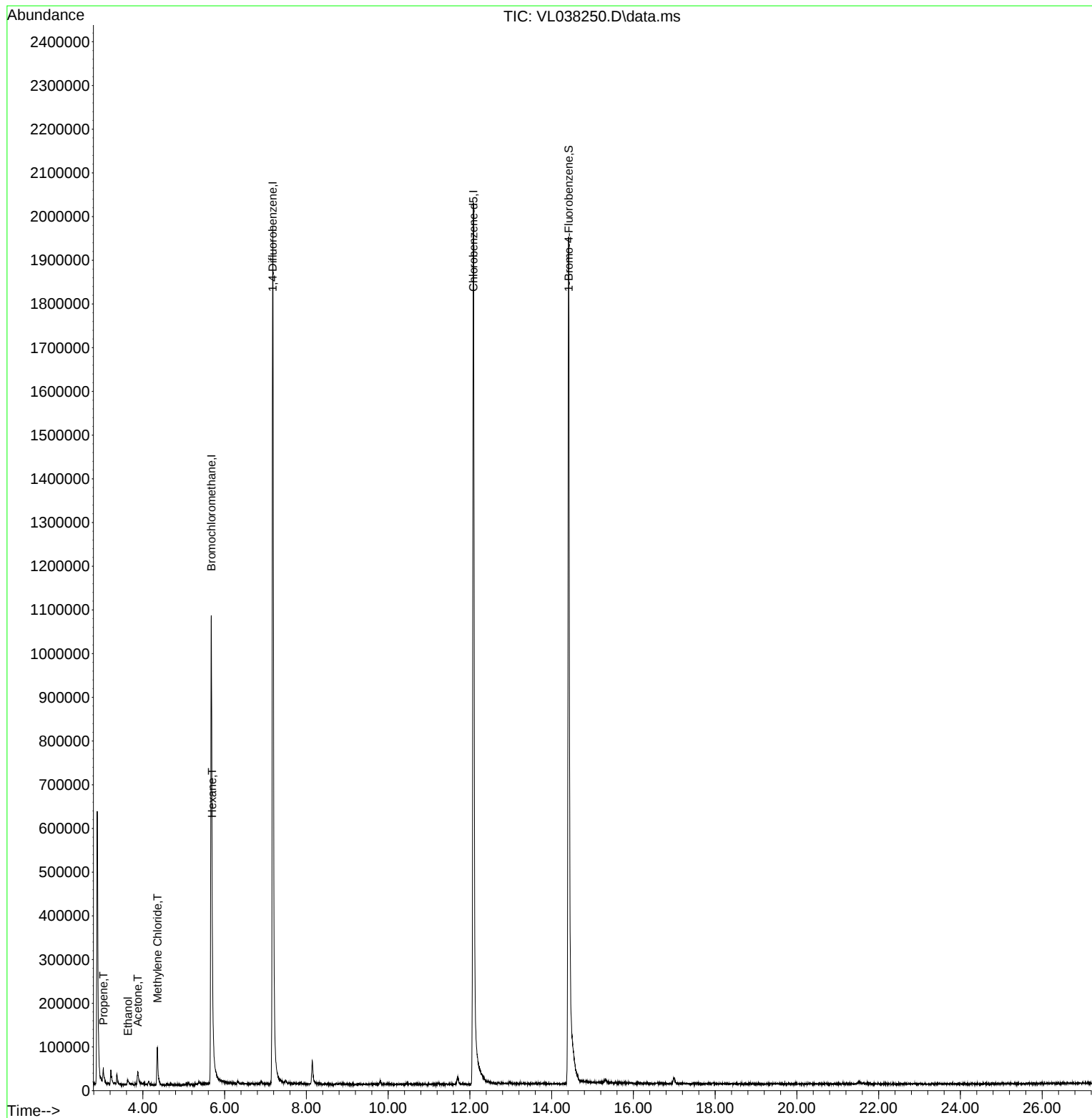
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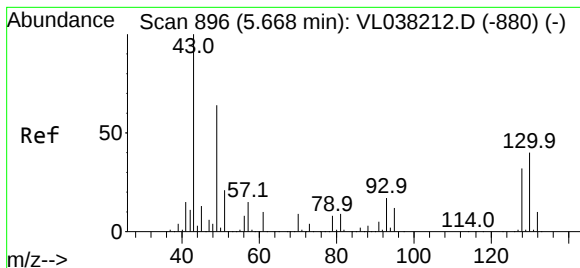
Instrument :
MSVOA_L
ClientSampleId :
AA-1DL

Quant Time: Dec 30 06:21:16 2021
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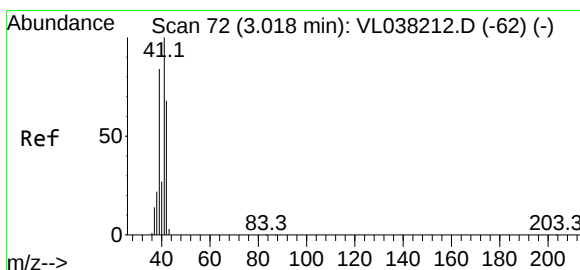
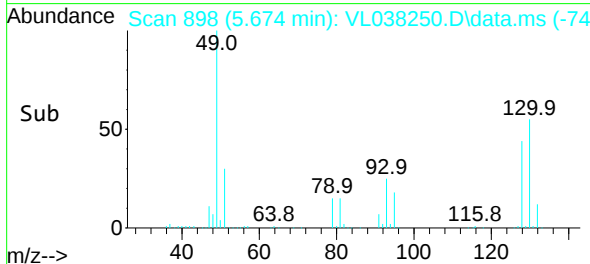
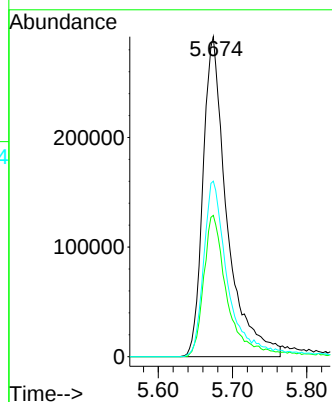
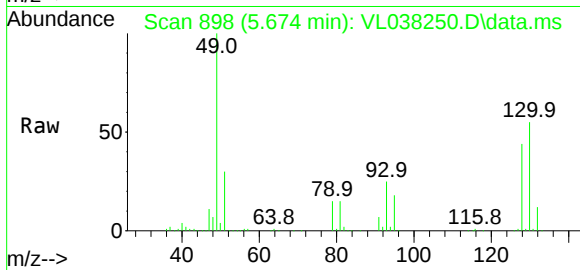
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.674 min Scan# 896
Delta R.T. 0.006 min
Lab File: VL038250.D
Acq: 30 Dec 2021 2:30

Instrument :
MSVOA_L
ClientSampleId :
AA-1DL

Tgt Ion: 49 Resp: 65475
Ion Ratio Lower Upper
49 100
128 45.2 26.9 80.6
130 58.2 32.3 96.9

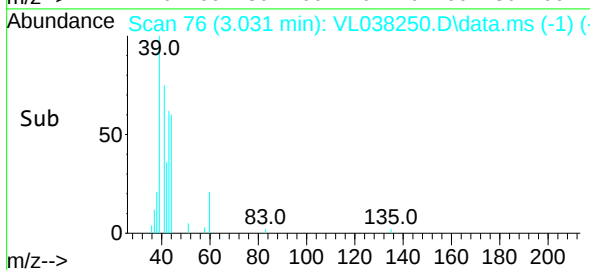
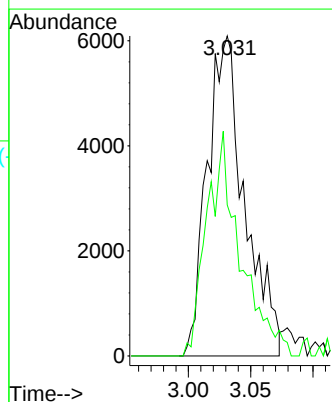
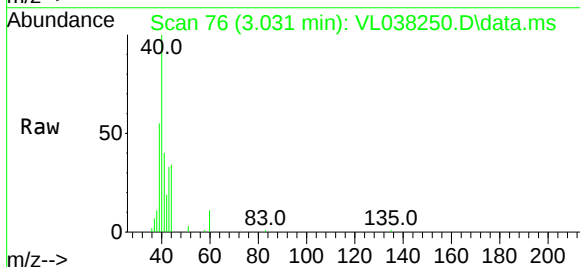
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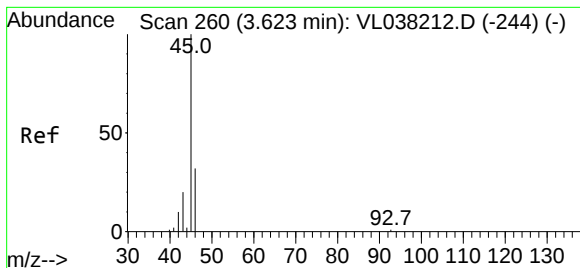
Reviewed By :Amit Patel 12/30/2021
Supervised By :Semsettin Yesilyurt 01/02/2022



#9
Propene
Concen: 0.267 ppbv m
RT: 3.031 min Scan# 76
Delta R.T. 0.013 min
Lab File: VL038250.D
Acq: 30 Dec 2021 2:30

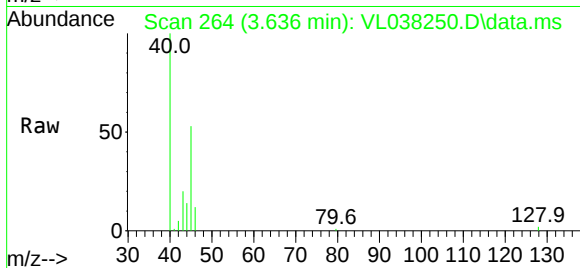
Tgt Ion: 41 Resp: 12772
Ion Ratio Lower Upper
41 100
42 0.0 55.5 83.3#





#13
Ethanol
Concen: 2.155 ppbv m
RT: 3.636 min Scan# 2
Delta R.T. 0.013 min
Lab File: VL038250.D
Acq: 30 Dec 2021 2:30

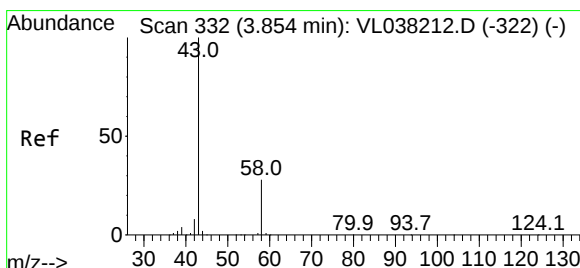
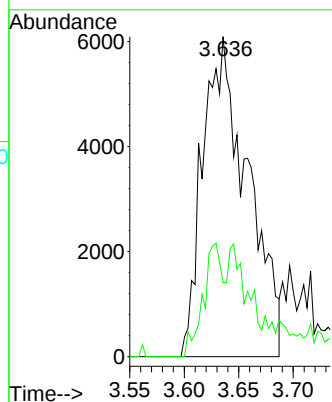
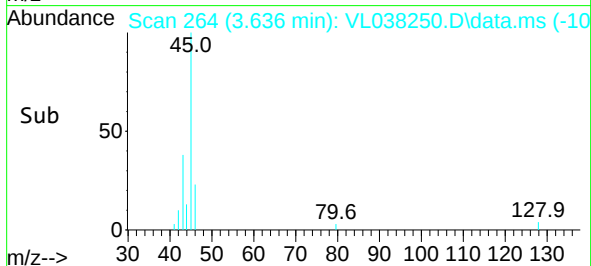
Instrument :
MSVOA_L
ClientSampleId :
AA-1DL



Tgt Ion: 45 Resp: 17454
Ion Ratio Lower Upper
45 100
46 37.7 0.0 0.0

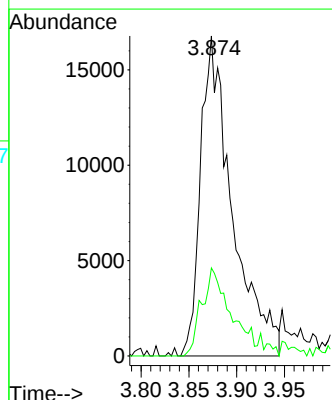
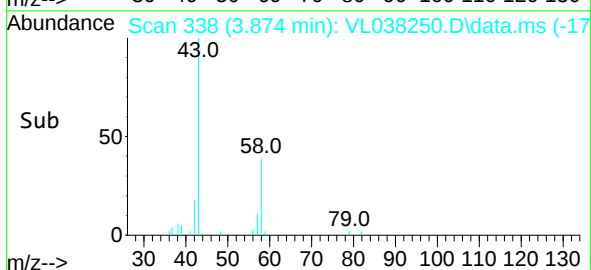
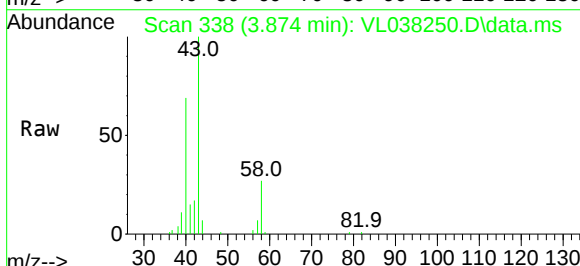
Manual Integrations
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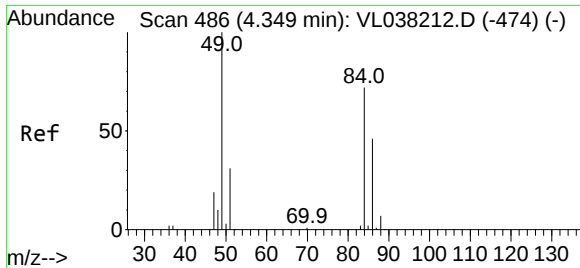
Reviewed By :Amit Patel 12/30/2021
Supervised By :Semsettin Yesilyurt 01/02/2022



#15
Acetone
Concen: 0.589 ppbv m
RT: 3.874 min Scan# 338
Delta R.T. 0.019 min
Lab File: VL038250.D
Acq: 30 Dec 2021 2:30

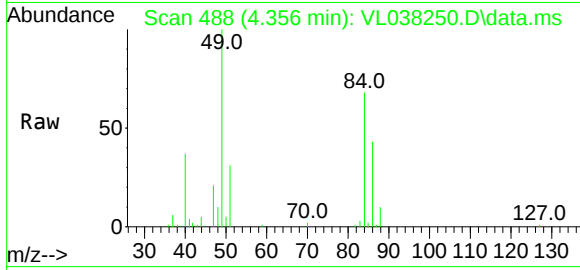
Tgt Ion: 43 Resp: 38710
Ion Ratio Lower Upper
43 100
58 26.1 23.3 34.9





#20
Methylene Chloride
Concen: 1.000 ppbv
RT: 4.356 min Scan# 488
Delta R.T. 0.006 min
Lab File: VL038250.D
Acq: 30 Dec 2021 2:30

Instrument :
MSVOA_L
ClientSampleId :
AA-1DL

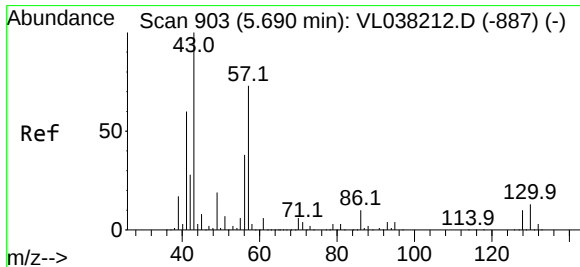
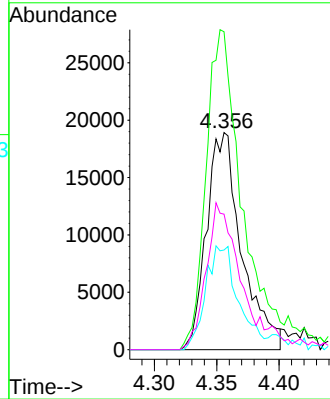
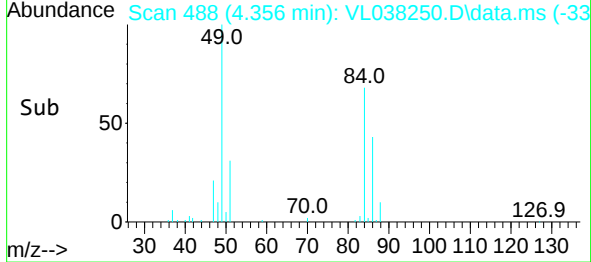


Tgt Ion: 84 Resp: 37118

Ion	Ratio	Lower	Upper
84	100		
49	146.4	110.6	166.0
51	46.0	34.2	51.2
86	62.4	50.5	75.7

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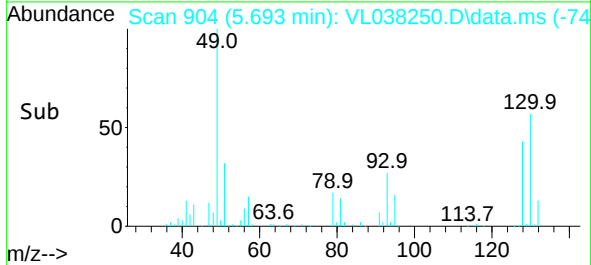
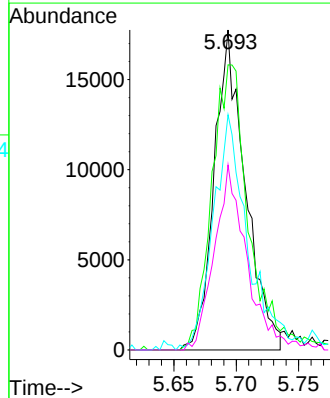
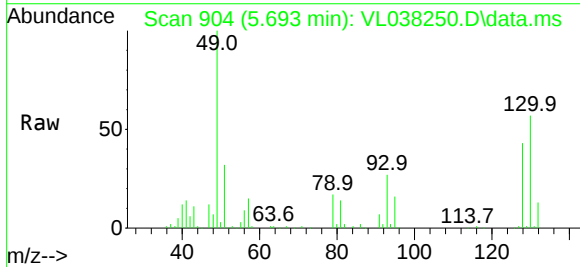
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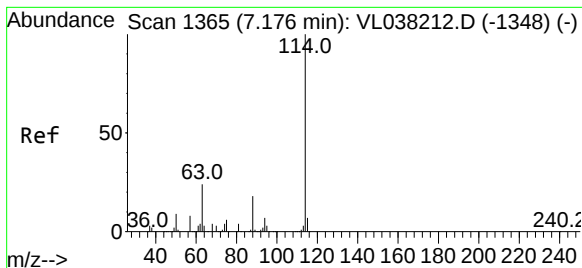


#26
Hexane
Concen: 0.346 ppbv
RT: 5.693 min Scan# 904
Delta R.T. 0.003 min
Lab File: VL038250.D
Acq: 30 Dec 2021 2:30

Tgt Ion: 57 Resp: 30903

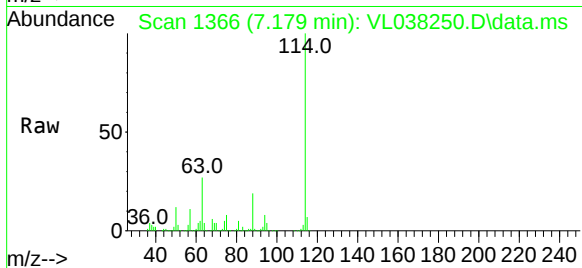
Ion	Ratio	Lower	Upper
57	100		
41	107.0	69.0	103.6#
43	82.7	171.2	256.8#
56	61.0	41.5	62.3





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.179 min Scan# 114
Delta R.T. 0.003 min
Lab File: VL038250.D
Acq: 30 Dec 2021 2:30

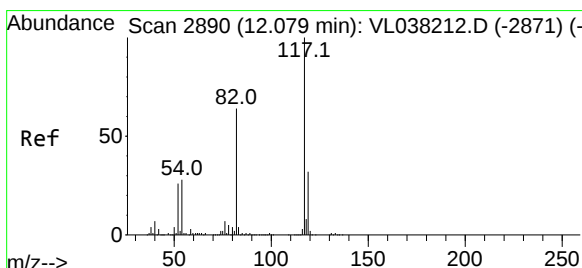
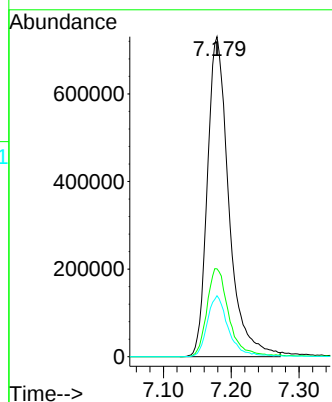
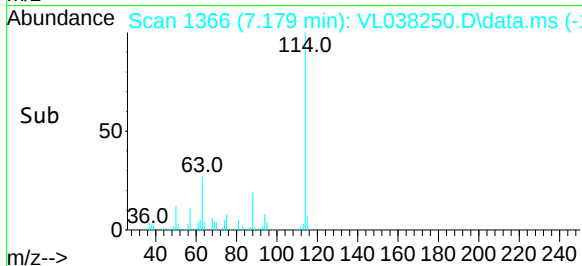
Instrument :
MSVOA_L
ClientSampleId :
AA-1DL



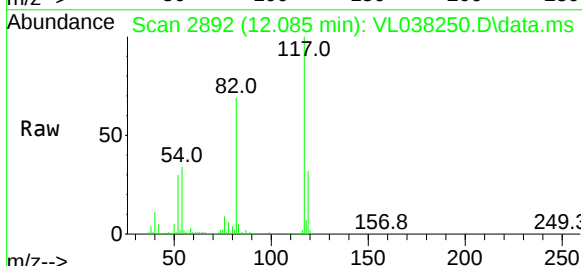
Tgt Ion:114 Resp: 1608054
Ion Ratio Lower Upper
114 100
63 28.6 19.7 29.5
88 19.0 14.3 21.5

Manual Integrations
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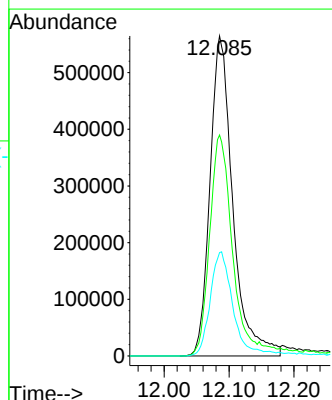
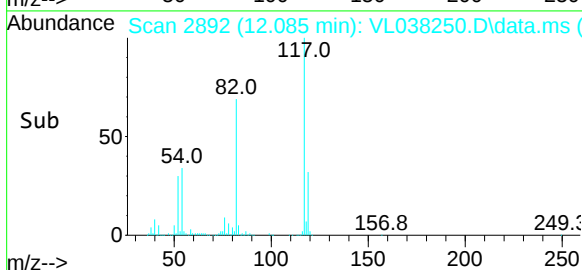
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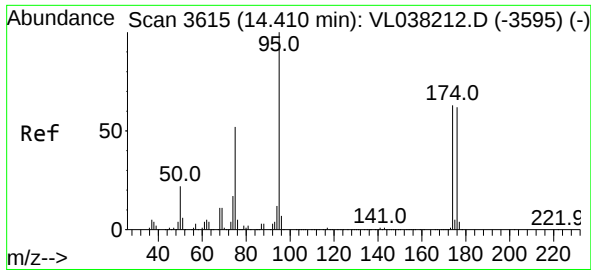


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.085 min Scan# 2892
Delta R.T. 0.006 min
Lab File: VL038250.D
Acq: 30 Dec 2021 2:30



Tgt Ion:117 Resp: 1376524
Ion Ratio Lower Upper
117 100
82 74.5 53.3 79.9
119 33.8 25.5 38.3





#68

1-Bromo-4-Fluorobenzene

Concen: 10.023 ppbv

RT: 14.416 min Scan# 30

Delta R.T. 0.006 min

Lab File: VL038250.D

Acq: 30 Dec 2021 2:30

Instrument :

MSVOA_L

ClientSampleId :

AA-1DL

Tgt Ion: 95 Resp: 1063149

Ion Ratio Lower Upper

95 100

174 63.2 54.6 81.8

175 4.6 4.1 6.1

Manual Integrations

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