

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL122921\
 Data File : VL038234.D
 Acq On : 29 Dec 2021 16:02
 Operator : SY/AP
 Sample : M5217-01 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

Manual Integrations
 APPROVED

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

Quant Time: Dec 29 18:41:15 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL122121AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Tue Dec 29 18:41:15 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	735320	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.182	114	1899907	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.089	117	1595911	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.417	95	1249643	10.161	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.600%
Target Compounds						
					Qvalue	
9) Propene	3.034	41	20181	0.376	ppbv #	83
13) Ethanol	3.620	45	171003	18.800	ppbv #	100
15) Acetone	3.861	43	139999	1.897	ppbv	93
20) Methylene Chloride	4.353	84	964525	23.149	ppbv	91
26) Hexane	5.697	57	440084	4.387	ppbv #	44
29) Chloroform	5.754	83	29597	0.199	ppbv	89
34) 2-Butanone	5.259	43	27283	0.478	ppbv #	89
53) Toluene	9.806	91	22209m	0.109	ppbv	

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

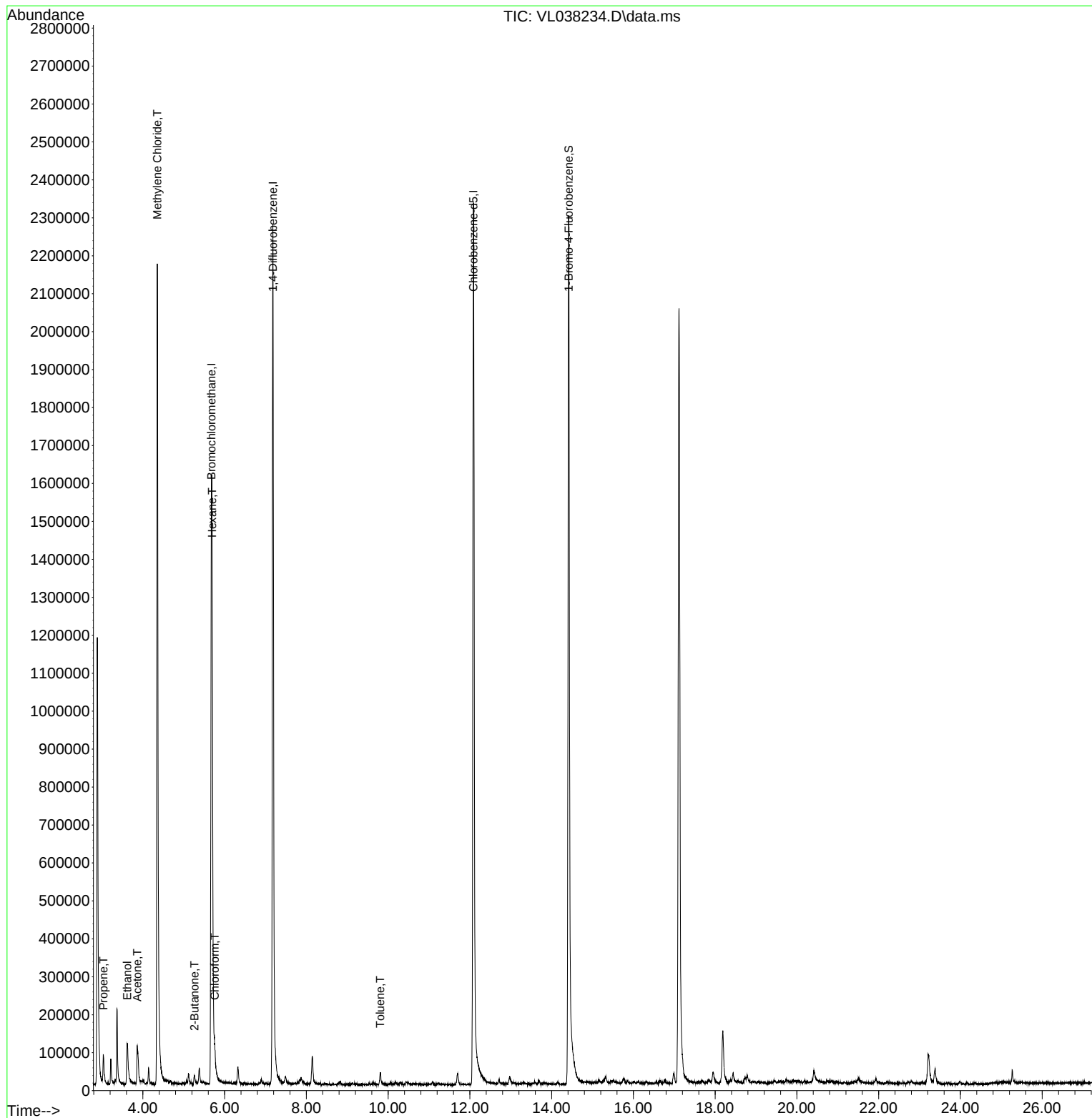
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL122921\
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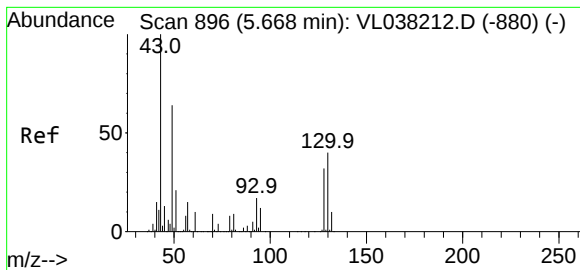
Instrument :
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ClientSampleId :
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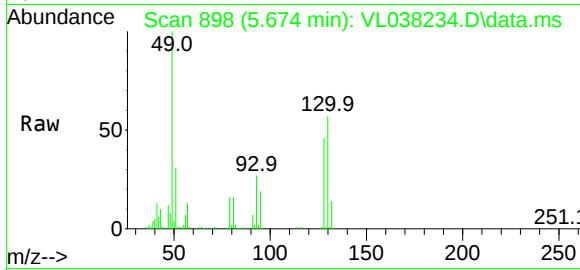
Reviewed By :Amit Patel 12/30/2021
Supervised By :Semsettin Yesilyurt 01/02/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.674 min Scan# 896
Delta R.T. 0.006 min
Lab File: VL038234.D
Acq: 29 Dec 2021 16:02

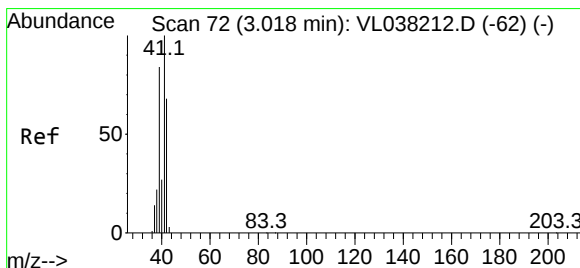
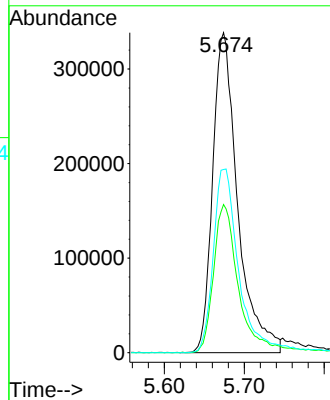
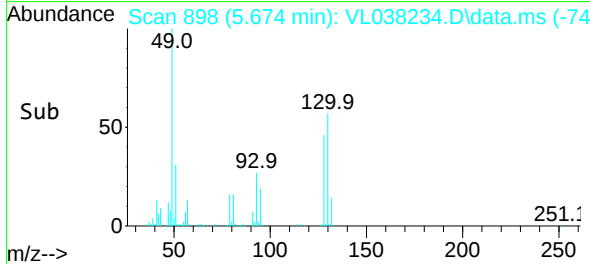
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 49 Resp: 735320
Ion Ratio Lower Upper
49 100
128 47.8 26.9 80.6
130 60.8 32.3 96.9

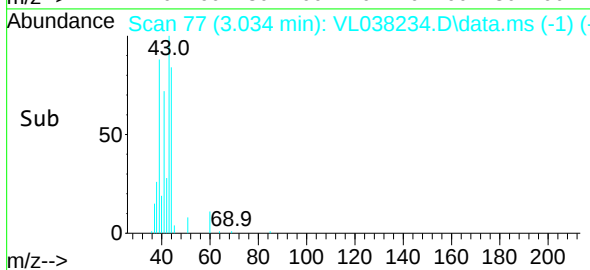
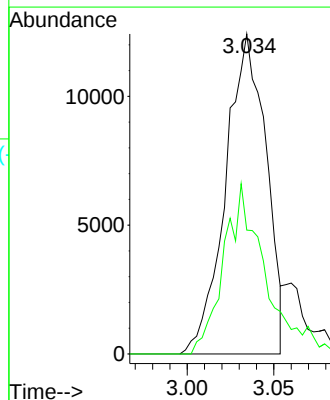
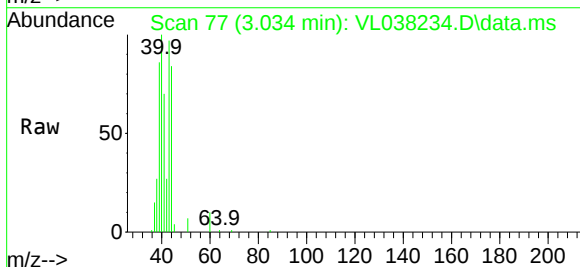
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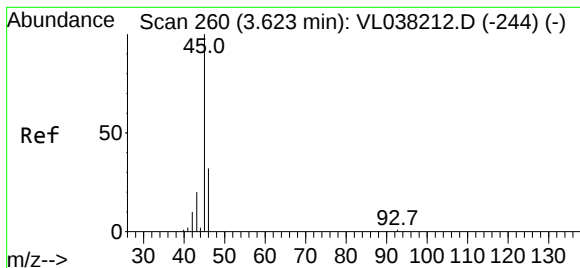
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#9
Propene
Concen: 0.376 ppbv
RT: 3.034 min Scan# 77
Delta R.T. 0.016 min
Lab File: VL038234.D
Acq: 29 Dec 2021 16:02

Tgt Ion: 41 Resp: 20181
Ion Ratio Lower Upper
41 100
42 55.4 55.5 83.3#





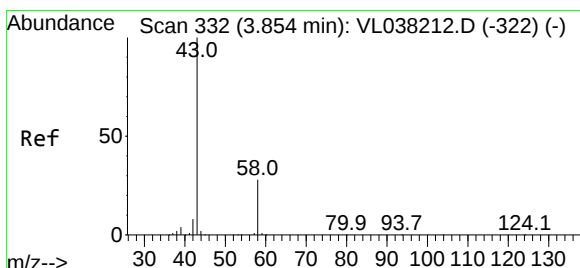
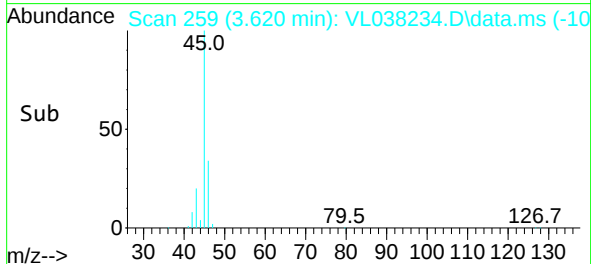
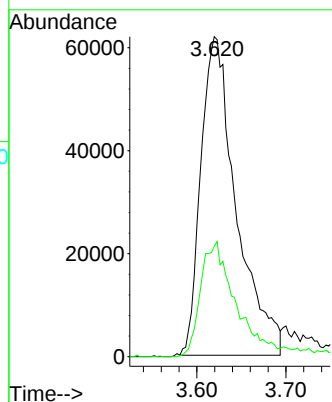
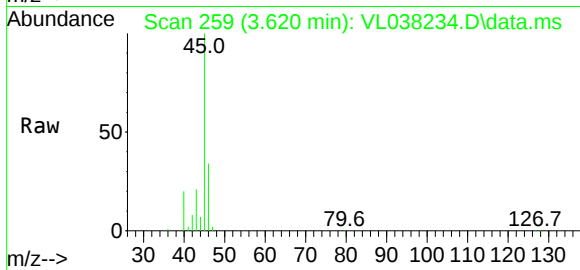
#13
Ethanol
Concen: 18.800 ppbv
RT: 3.620 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL038234.D
Acq: 29 Dec 2021 16:02

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 45 Resp: 17100
Ion Ratio Lower Upper
45 100
46 36.8 0.0 0.0

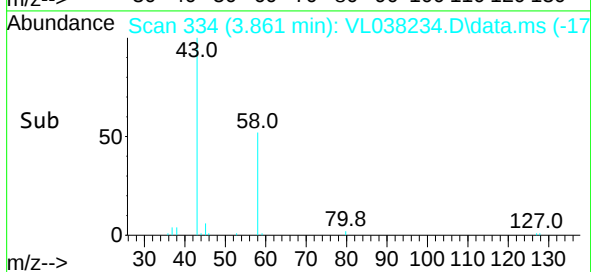
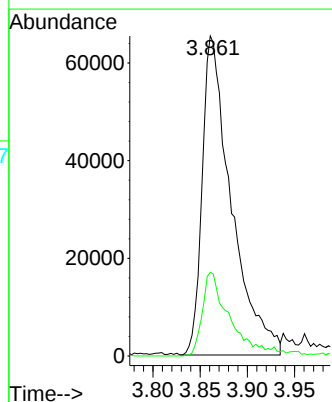
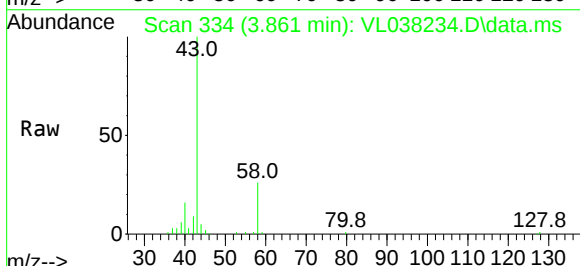
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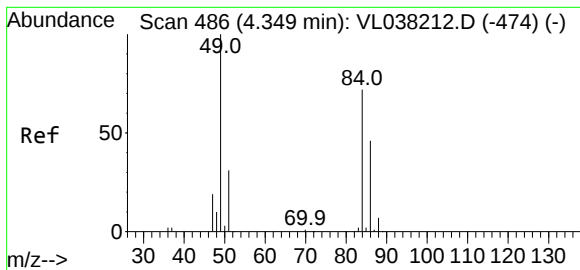
Reviewed By :Amit Patel 12/30/2021
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#15
Acetone
Concen: 1.897 ppbv
RT: 3.861 min Scan# 334
Delta R.T. 0.006 min
Lab File: VL038234.D
Acq: 29 Dec 2021 16:02

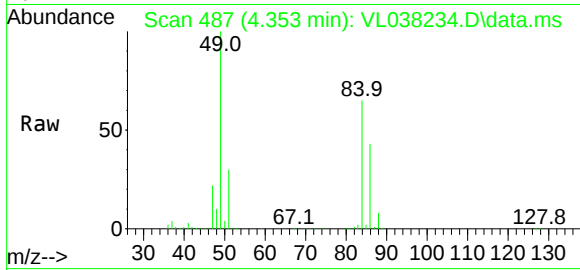
Tgt Ion: 43 Resp: 139999
Ion Ratio Lower Upper
43 100
58 25.5 23.3 34.9





#20
Methylene Chloride
Concen: 23.149 ppbv
RT: 4.353 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL038234.D
Acq: 29 Dec 2021 16:02

Instrument :
MSVOA_L
ClientSampleId :
SV1

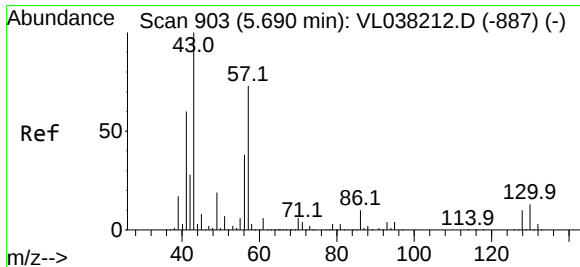
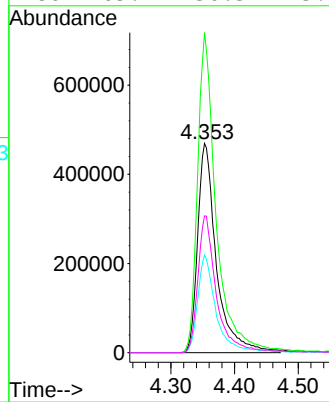
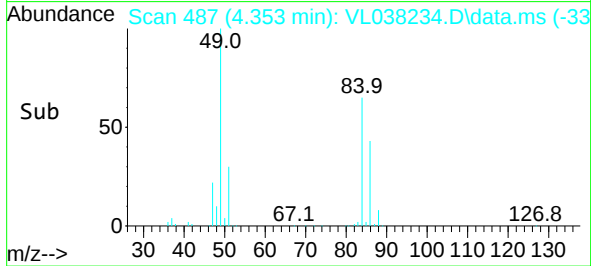


Tgt Ion: 84 Resp: 96452

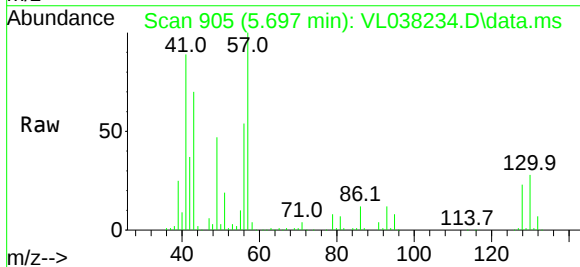
Ion	Ratio	Lower	Upper
84	100		
49	152.9	110.6	166.0
51	46.6	34.2	51.2
86	65.4	50.5	75.7

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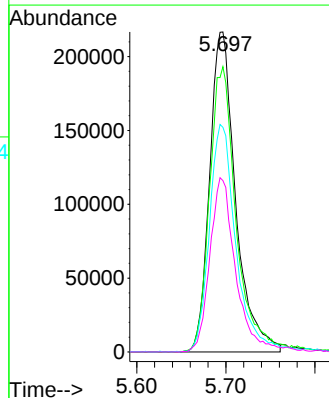
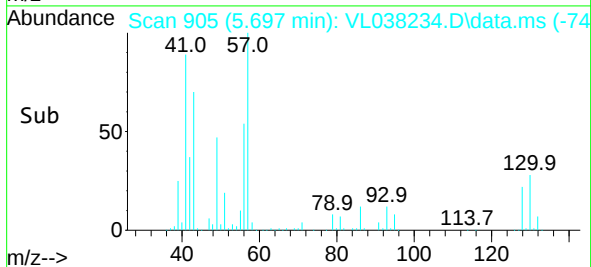


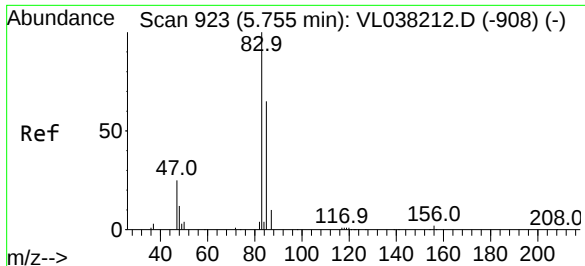
#26
Hexane
Concen: 4.387 ppbv
RT: 5.697 min Scan# 905
Delta R.T. 0.006 min
Lab File: VL038234.D
Acq: 29 Dec 2021 16:02



Tgt Ion: 57 Resp: 440084

Ion	Ratio	Lower	Upper
57	100		
41	93.1	69.0	103.6
43	74.0	171.2	256.8#
56	54.4	41.5	62.3





#29

Chloroform

Concen: 0.199 ppbv

RT: 5.754 min Scan# 91

Delta R.T. -0.000 min

Lab File: VL038234.D

Acq: 29 Dec 2021 16:02

Instrument :

MSVOA_L

ClientSampleId :

SV1

Tgt Ion: 83 Resp: 2959

Ion Ratio Lower Upper

83 100

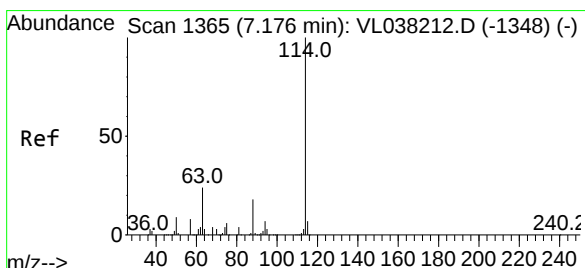
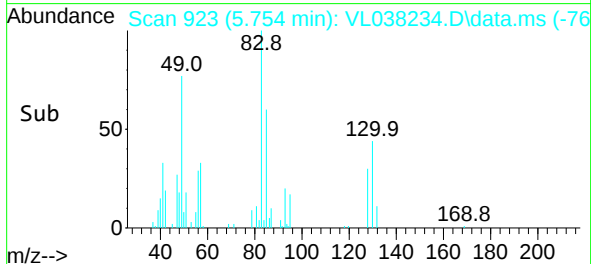
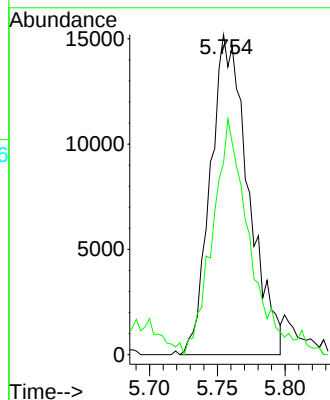
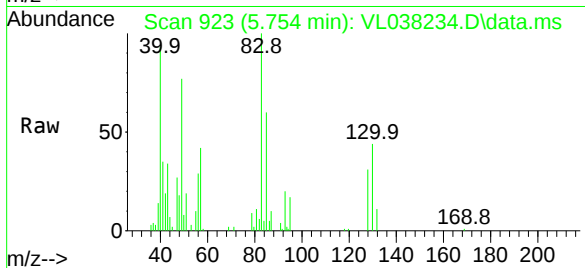
85 56.2 52.2 78.4

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.182 min Scan# 1367

Delta R.T. 0.006 min

Lab File: VL038234.D

Acq: 29 Dec 2021 16:02

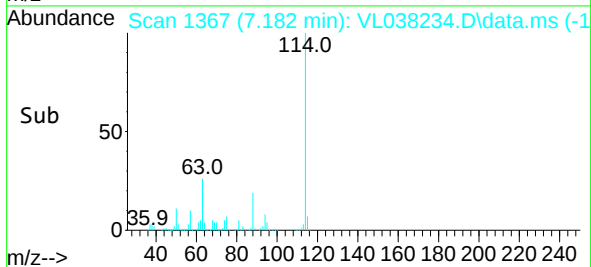
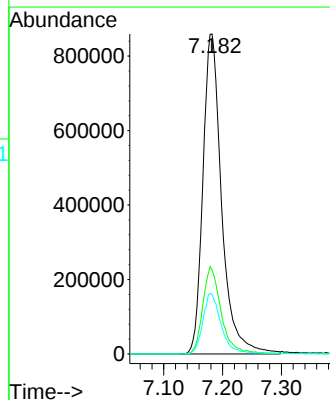
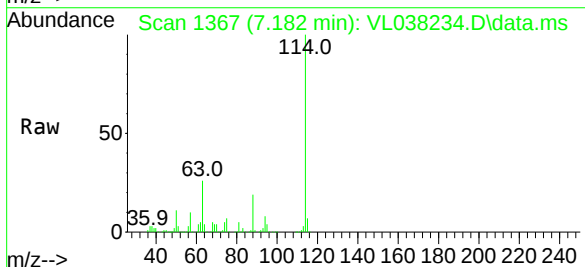
Tgt Ion:114 Resp: 1899907

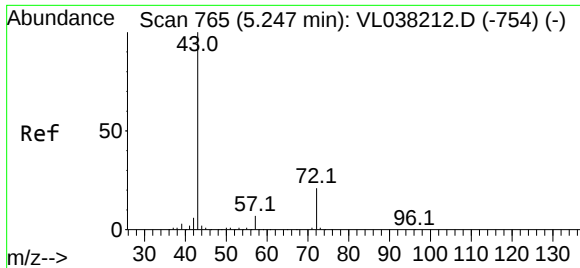
Ion Ratio Lower Upper

114 100

63 27.0 19.7 29.5

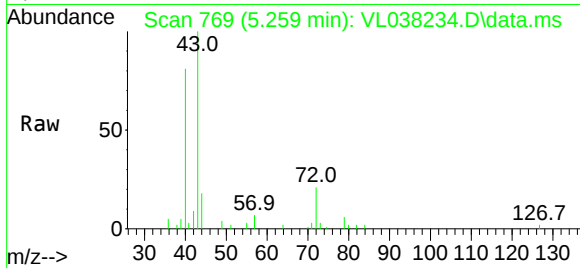
88 18.8 14.3 21.5





#34
2-Butanone
Concen: 0.478 ppbv
RT: 5.259 min Scan# 769
Delta R.T. 0.013 min
Lab File: VL038234.D
Acq: 29 Dec 2021 16:02

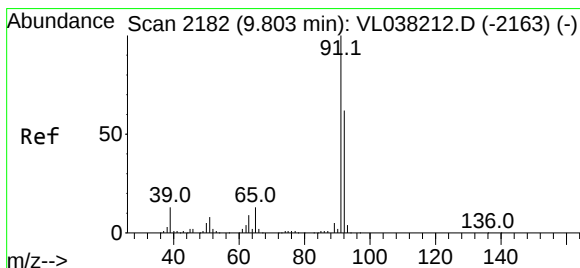
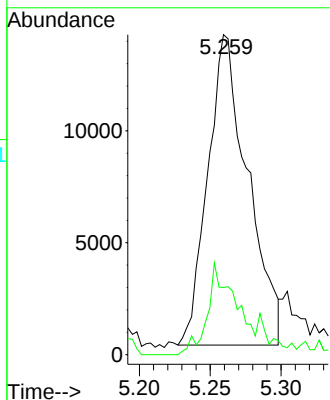
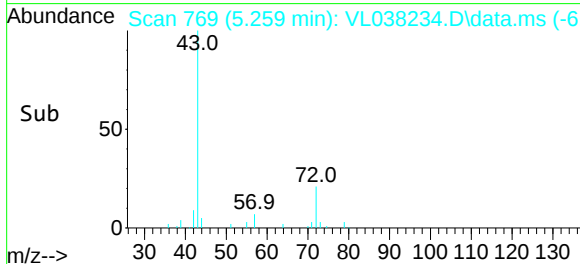
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 43 Resp: 2728
Ion Ratio Lower Upper
43 100
72 28.0 18.3 27.5

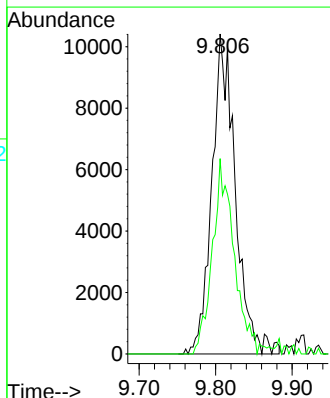
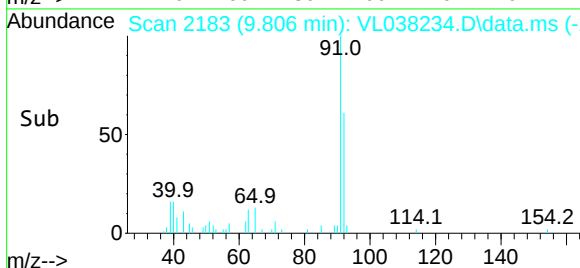
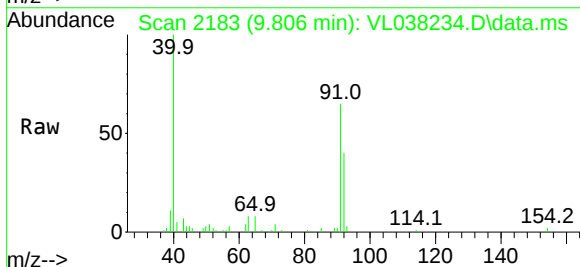
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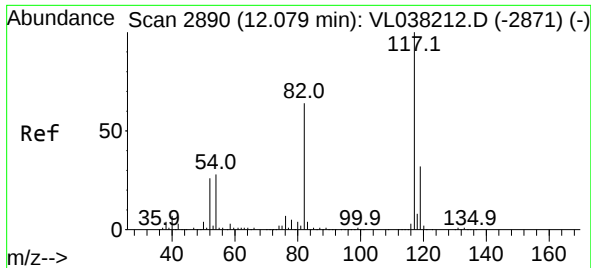
Reviewed By :Amit Patel 12/30/2021
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#53
Toluene
Concen: 0.109 ppbv m
RT: 9.806 min Scan# 2183
Delta R.T. 0.003 min
Lab File: VL038234.D
Acq: 29 Dec 2021 16:02

Tgt Ion: 91 Resp: 22209
Ion Ratio Lower Upper
91 100
92 0.0 48.9 73.3





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.089 min Scan# 2890

Delta R.T. 0.010 min

Lab File: VL038234.D

Acq: 29 Dec 2021 16:02

Instrument :

MSVOA_L

ClientSampleId :

SV1

Tgt Ion: 117 Resp: 159591

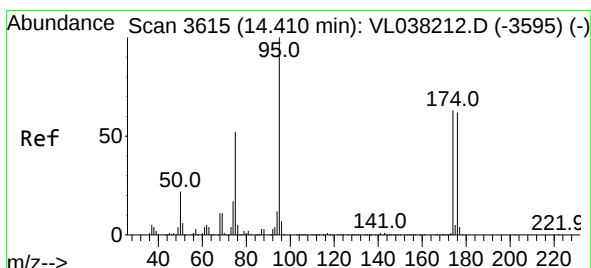
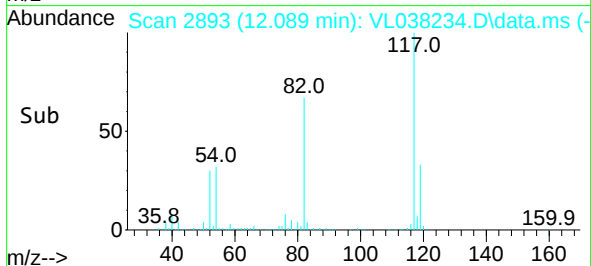
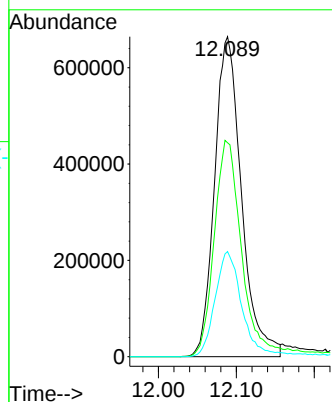
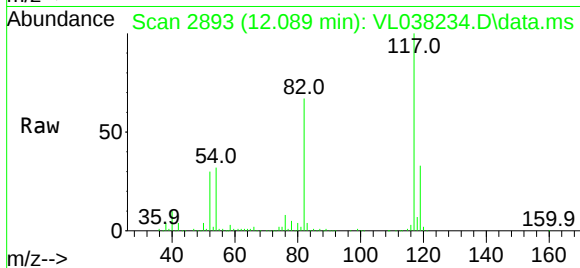
Ion	Ratio	Lower	Upper
117	100		
82	73.6	53.3	79.9
119	33.6	25.5	38.3

Manual Integrations

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#68

1-Bromo-4-Fluorobenzene

Concen: 10.161 ppbv

RT: 14.417 min Scan# 3617

Delta R.T. 0.006 min

Lab File: VL038234.D

Acq: 29 Dec 2021 16:02

Tgt Ion: 95 Resp: 1249643

Ion	Ratio	Lower	Upper
95	100		
174	63.1	54.6	81.8
175	4.4	4.1	6.1

