

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120721\
 Data File : VL038154.D
 Acq On : 7 Dec 2021 17:26
 Operator : SY/AP
 Sample : M4897-03DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 IA-1DL

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 12/08/2021
 Supervised By :Semsettin Yesilyurt 12/08/2021

Quant Time: Dec 08 02:26:04 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111821A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Thu Nov 18 13:16:09 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	828050	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	2264037	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	1996969	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	1565346	10.87	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	108.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	2.97	51	26805	0.154	ppbv	# 67
13) Ethanol	3.60	45	334026	53.972	ppbv	94
15) Acetone	3.85	43	151426	2.109	ppbv	99
19) Isopropyl Alcohol	3.96	45	442698m	8.534	ppbv	
20) Methylene Chloride	4.34	84	49630	1.234	ppbv	95
53) Toluene	9.79	91	28846	0.111	ppbv	100

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

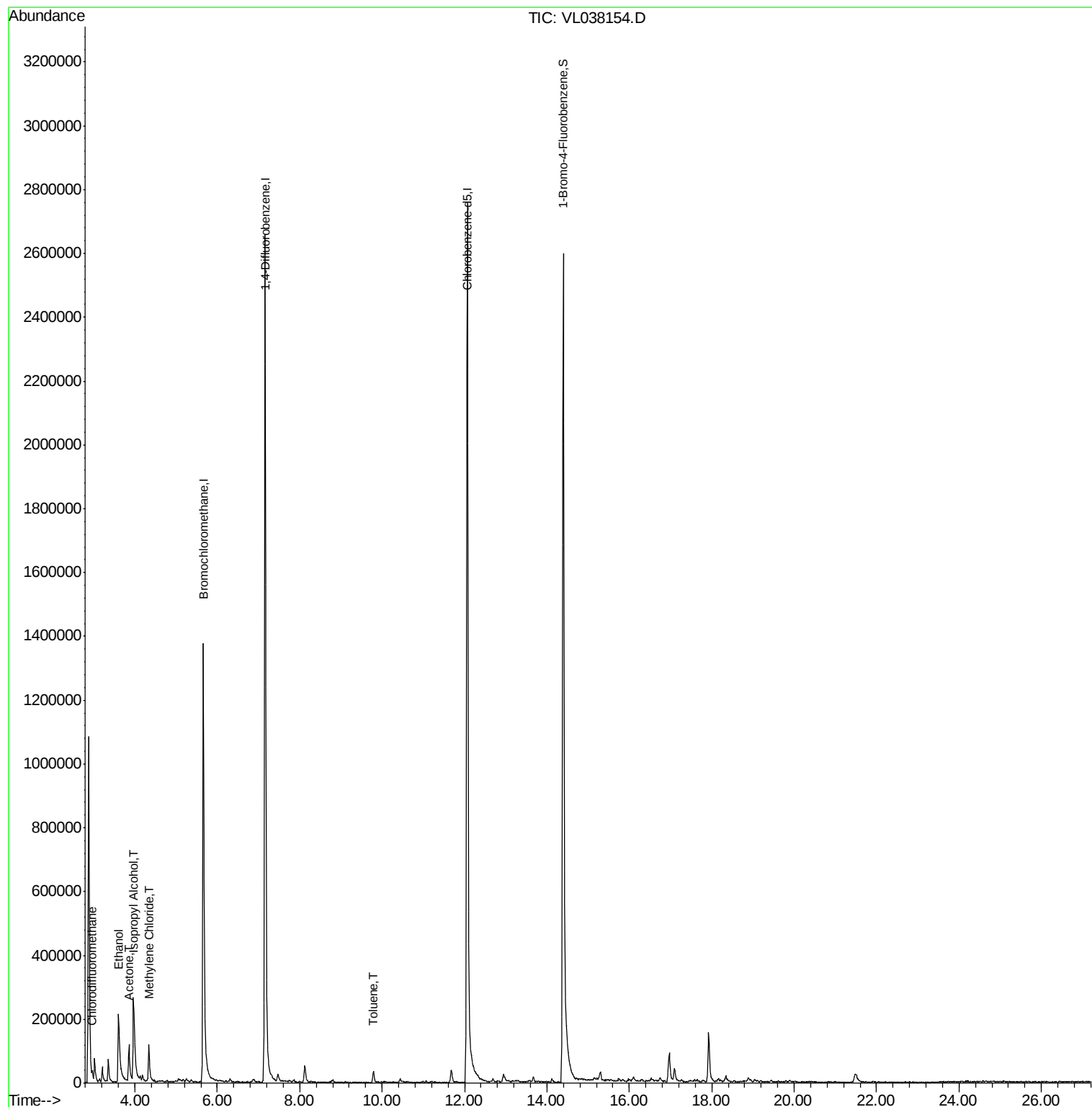
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL120721\
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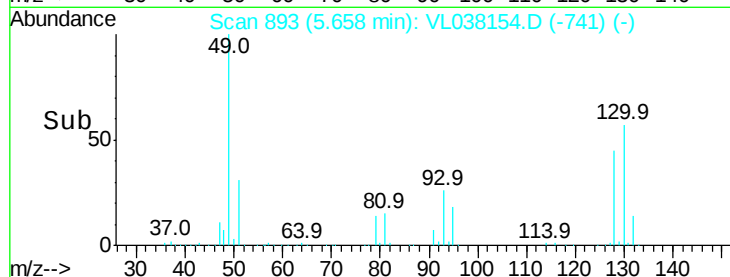
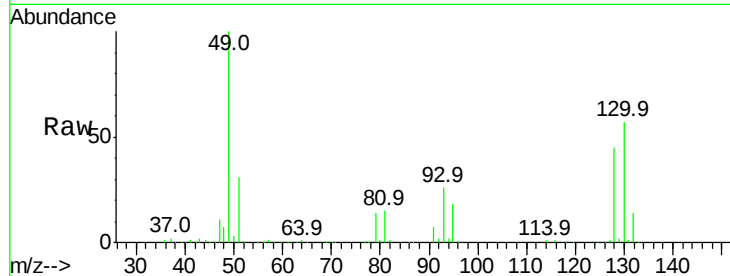
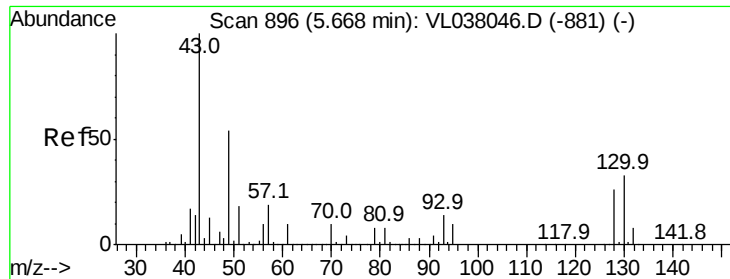
Instrument :
MSVOA_L
ClientSampleId :
IA-1DL

Manual Integrations
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Quant Time: Dec 08 02:26:04 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL111821
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
QLast Update : Thu Nov 18 13:16:09 2021
Response via : Initial Calibration

Reviewed By :Amit Patel 12/08/2021
Supervised By :Semsettin Yesilyurt 12/08/2021





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument: MSVOA_L

Delta R.T. ClientSampleId:

Lab File: IA-1DL

Acq: 7 Dec 2021 17:20

Tot Ion:

Ion Ratio

49 100

128 49.

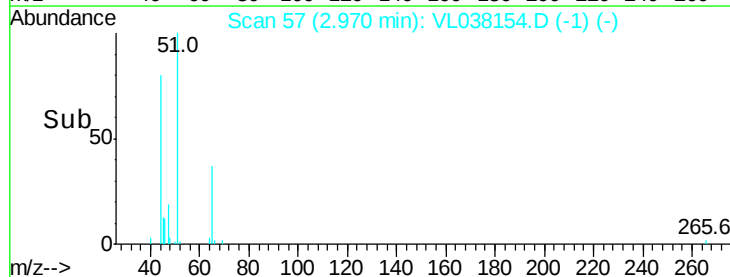
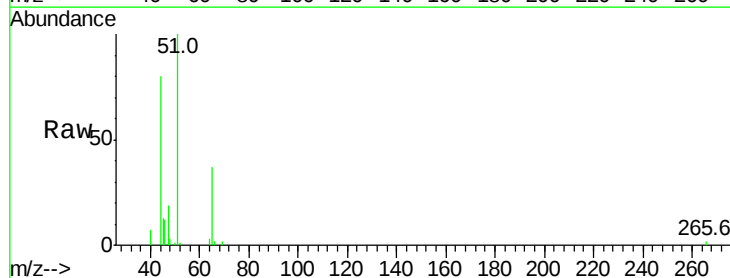
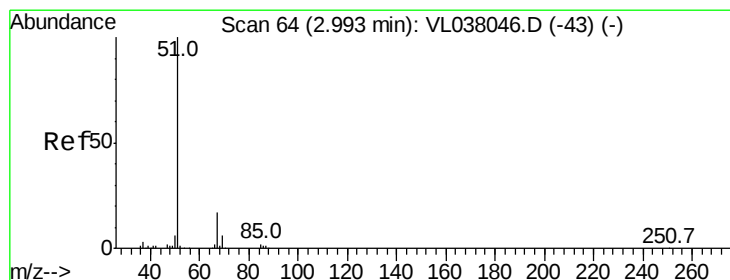
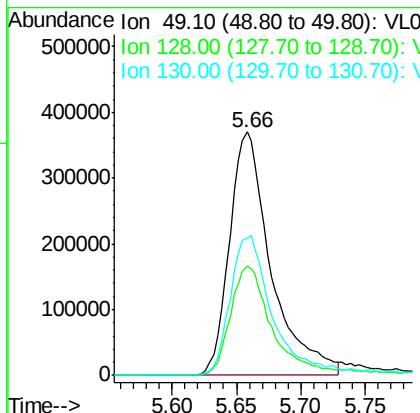
130 60.

Manual Integrations

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Reviewed By :Amit Patel 12/08/2021

Supervised By :Semsettin Yesilyurt 12/08/2021



#3

Chlorodifluoromethane

Concen: 0.154 ppbv

RT: 2.97 min Scan# 57

Delta R.T. -0.02 min

Lab File: VL038154.D

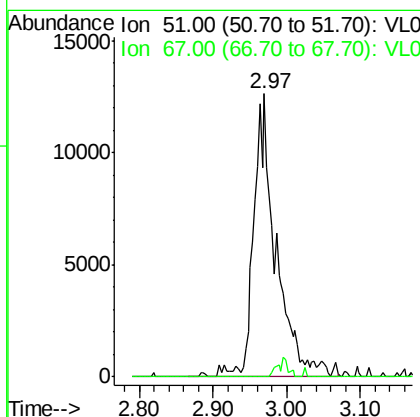
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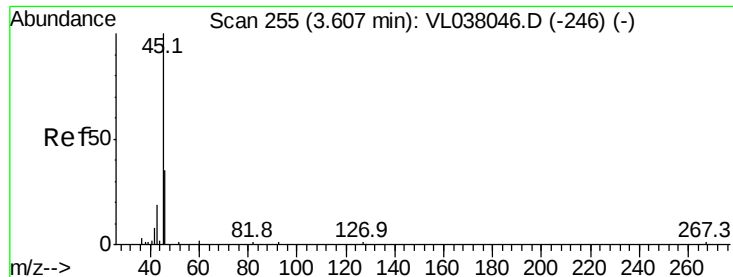
Tgt Ion: 51 Resp: 26805

Ion Ratio Lower Upper

51 100

67 3.1 13.8 20.8#



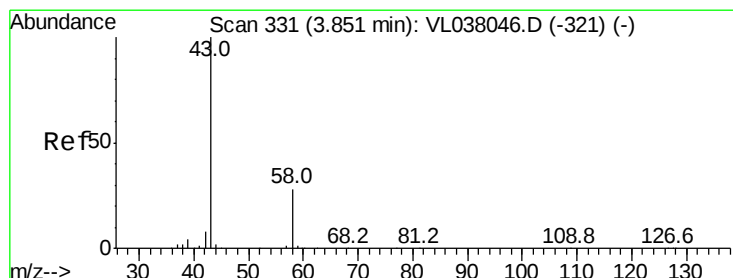
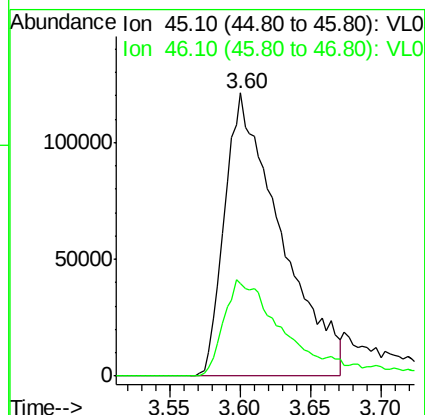
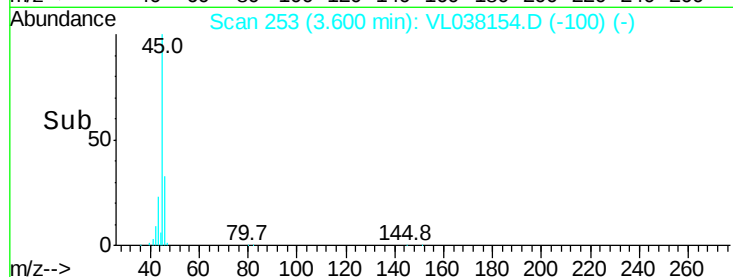
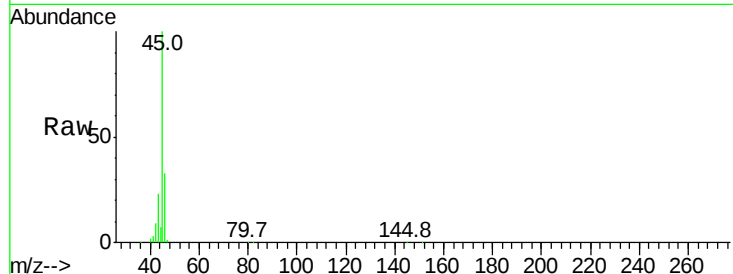


#13
Ethanol
Concen: 53.972 ppbv
RT: 3.60
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 7 Dec 2021 17:20

Tot Ion:
Ion Ratio
45 100
46 39.

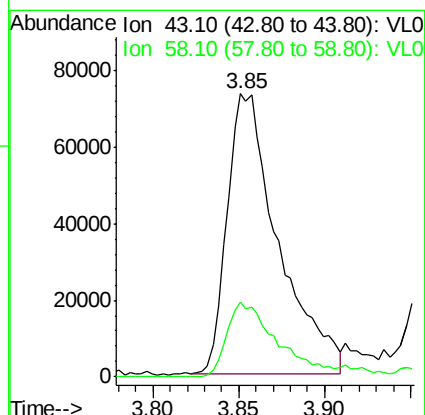
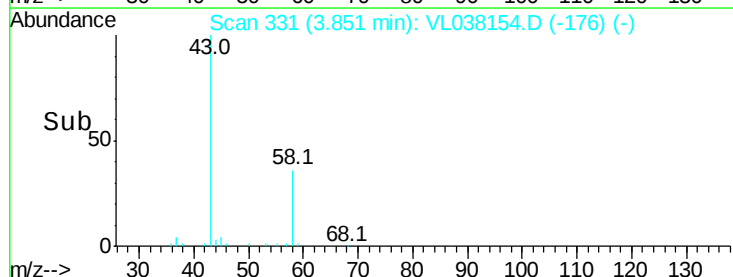
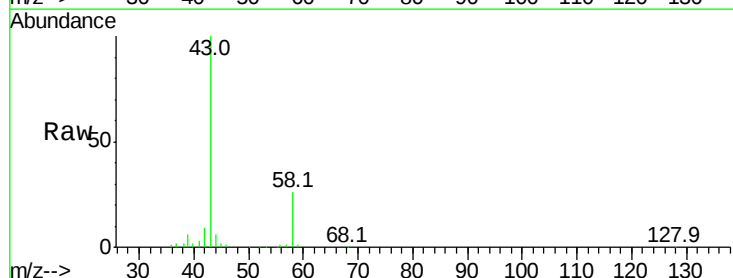
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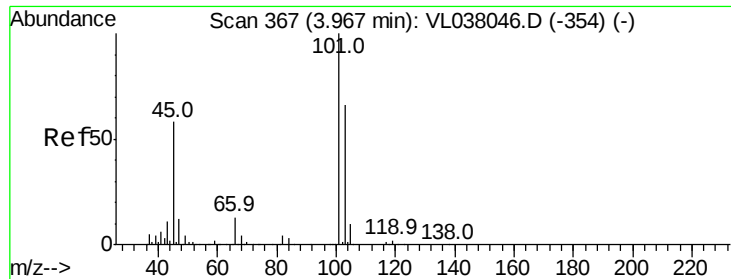
Reviewed By :Amit Patel 12/08/2021
Supervised By :Semsettin Yesilyurt 12/08/2021



#15
Acetone
Concen: 2.109 ppbv
RT: 3.85 min Scan# 331
Delta R.T. -0.00 min
Lab File: VL038154.D
Acq: 7 Dec 2021 17:26

Tgt Ion: 43 Resp: 151426
Ion Ratio Lower Upper
43 100
58 28.5 22.4 33.6





#19

Isopropyl Alcohol

Concen: 8.534 ppbv m

RT: 3.96

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 7 Dec 2021 17:20

Tot Ion:

Ion Ratio

45 100

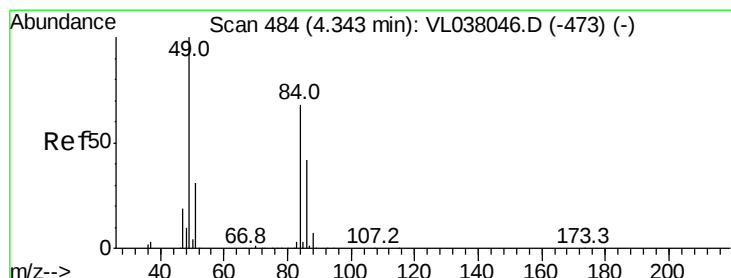
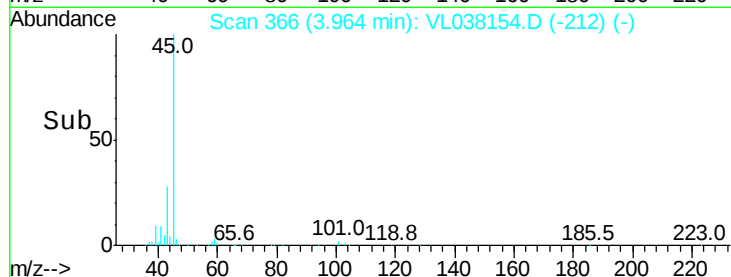
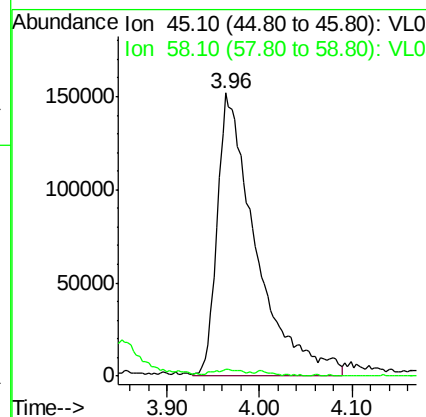
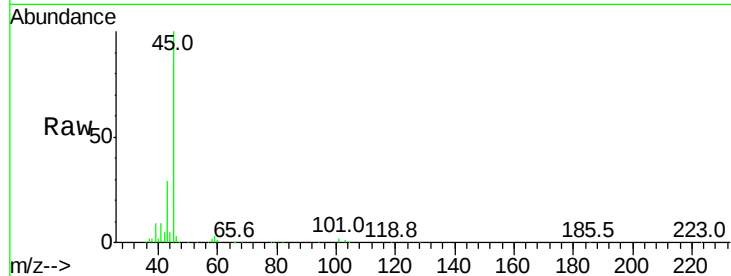
58 1.

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Reviewed By :Amit Patel 12/08/2021

Supervised By :Semsettin Yesilyurt 12/08/2021



#20

Methylene Chloride

Concen: 1.234 ppbv

RT: 4.34 min Scan# 483

Delta R.T. -0.00 min

Lab File: VL038154.D

Acq: 7 Dec 2021 17:26

Tgt Ion: 84 Resp: 49630

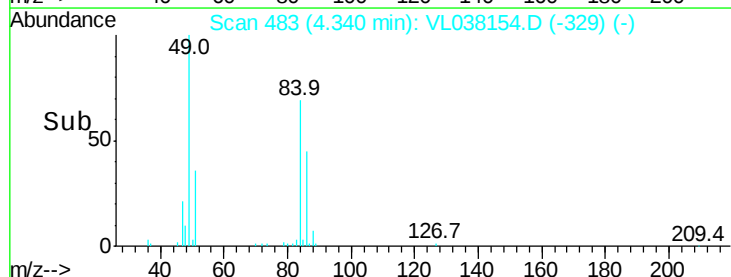
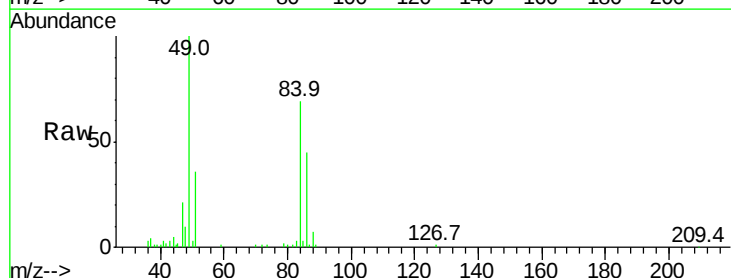
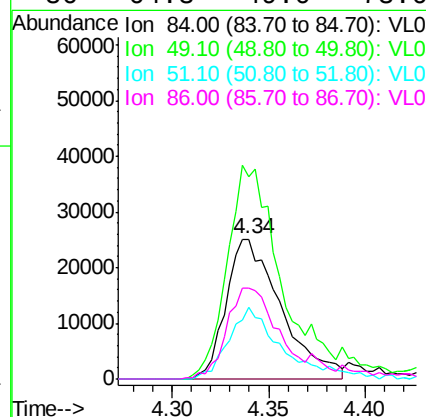
Ion Ratio Lower Upper

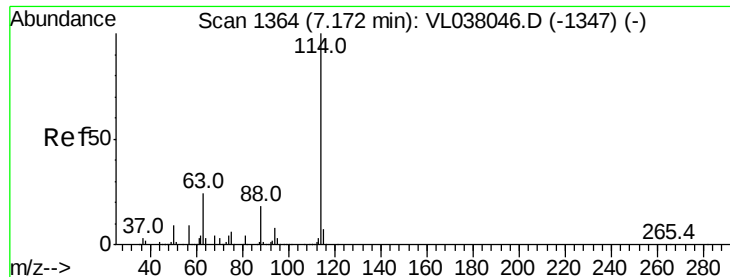
84 100

49 141.7 118.2 177.2

51 51.3 36.8 55.2

86 64.3 49.0 73.6



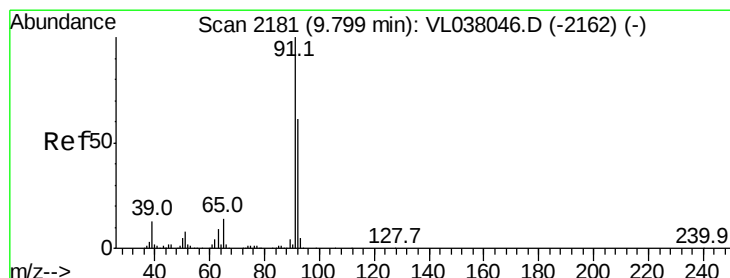
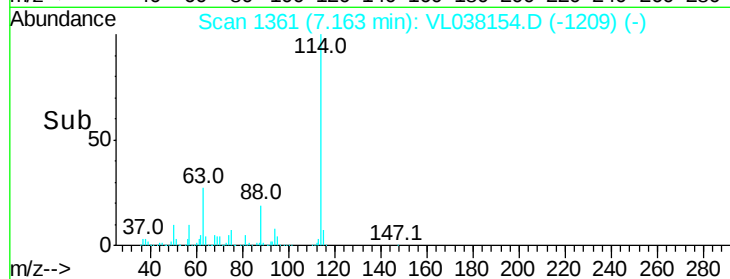
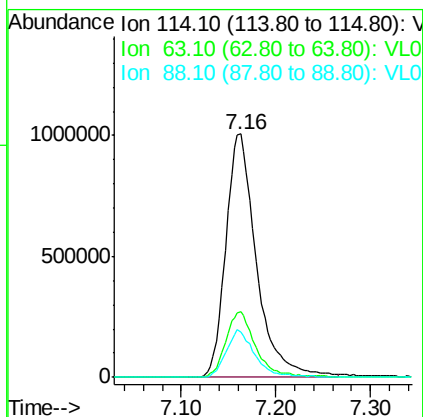
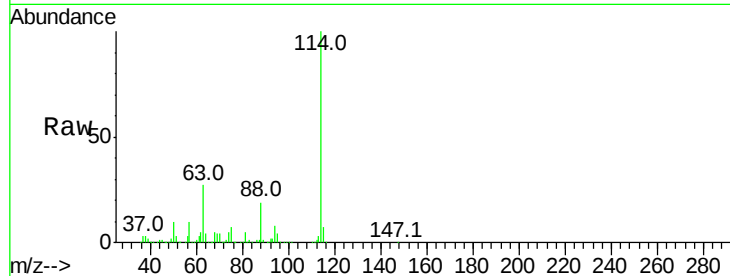


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16
 Instrument : MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 Acq: 7 Dec 2021 17:20

Tot Ion: 1
 Ion Ratio
 114 100
 63 26.
 88 18.

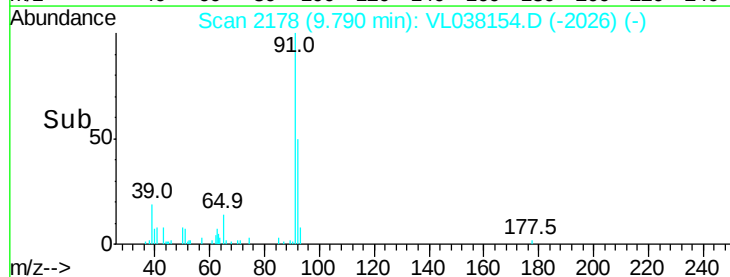
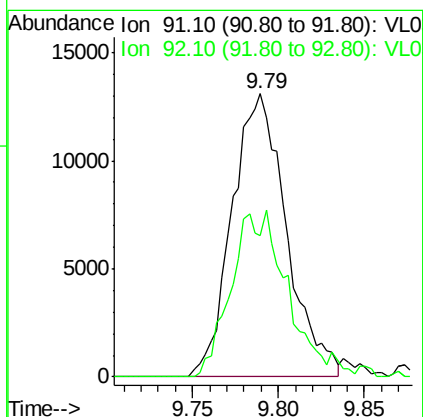
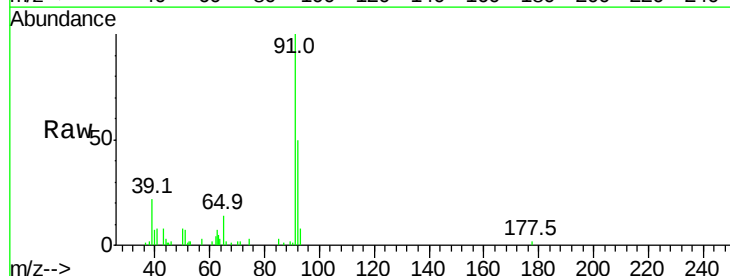
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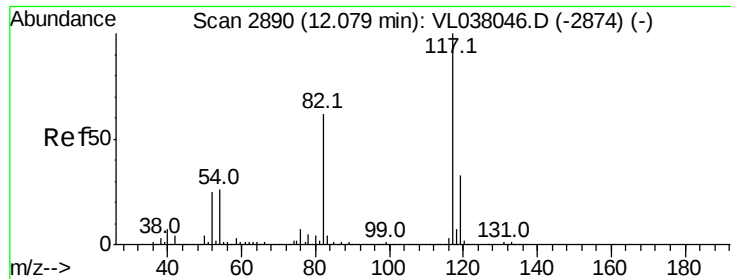
Reviewed By :Amit Patel 12/08/2021
 Supervised By :Semsettin Yesilyurt 12/08/2021



#53
 Toluene
 Concen: 0.111 ppbv
 RT: 9.79 min Scan# 2178
 Delta R.T. -0.01 min
 Lab File: VL038154.D
 Acq: 7 Dec 2021 17:26

Tgt Ion: 91 Resp: 28846
 Ion Ratio Lower Upper
 91 100
 92 62.1 49.7 74.5



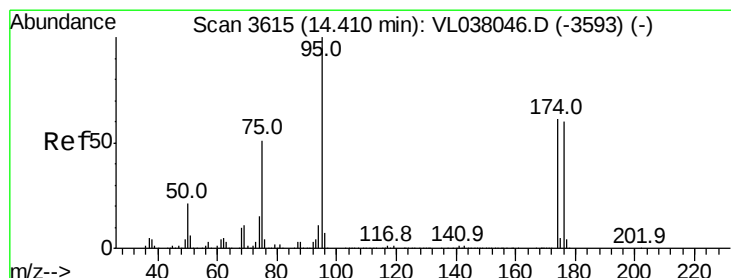
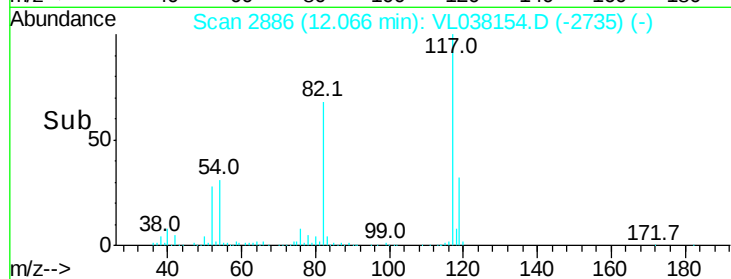
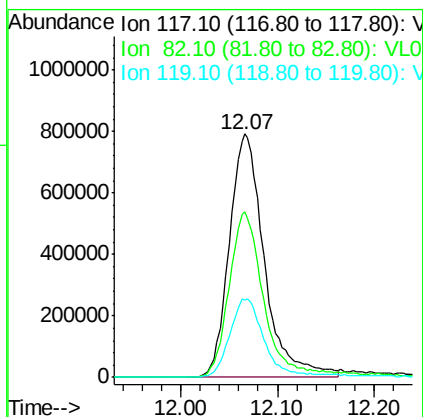
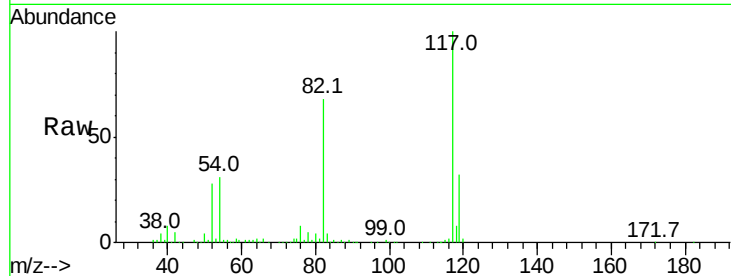


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 7 Dec 2021 17:20

Tot Ion: 1
Ion Ratio
117 100
82 69.
119 33.

Manual Integrations
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Supervised By :Semsettin Yesilyurt 12/08/2021



#68
1-Bromo-4-Fluorobenzene
Concen: 10.867 ppbv
RT: 14.39 min Scan# 3610
Delta R.T.: -0.02 min
Lab File: VL038154.D
Acq: 7 Dec 2021 17:26

Tgt Ion: 95 Resp: 1565346
Ion Ratio Lower Upper
95 100
174 60.5 53.1 79.7
175 4.4 4.0 6.0

