

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL012622\
 Data File : VL038290.D
 Acq On : 26 Jan 2022 16:06
 Operator : SY/AP
 Sample : N1268-02
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OA-1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 01/27/2022
 Supervised By :Mahesh Dadoda 01/28/2022

Quant Time: Jan 27 04:00:26 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL012422A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Mon Jan 24 14:12:48 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	778550	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.15	114	2090879	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.05	117	1728563	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.38	95	1289959	9.83	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.30%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	77866	0.470	ppbv	93
3) Chlorodifluoromethane	2.98	51	29550m	0.191	ppbv	
4) Chloromethane	3.13	50	23683	0.444	ppbv	97
9) Propene	3.02	41	40440m	0.802	ppbv	
11) Trichlorofluoromethane	3.93	101	24366m	0.189	ppbv	
13) Ethanol	3.59	45	178433m	32.944	ppbv	
15) Acetone	3.84	43	192827	2.810	ppbv	94
19) Isopropyl Alcohol	3.96	45	72720m	1.694	ppbv	
20) Methylene Chloride	4.33	84	18127m	0.454	ppbv	
26) Hexane	5.66	57	12961m	0.145	ppbv	
34) 2-Butanone	5.23	43	18279m	0.267	ppbv	
35) Carbon Tetrachloride	6.99	117	8526m	0.058	ppbv	
36) Benzene	6.87	78	33558	0.181	ppbv	96
53) Toluene	9.78	91	30230	0.148	ppbv	97

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

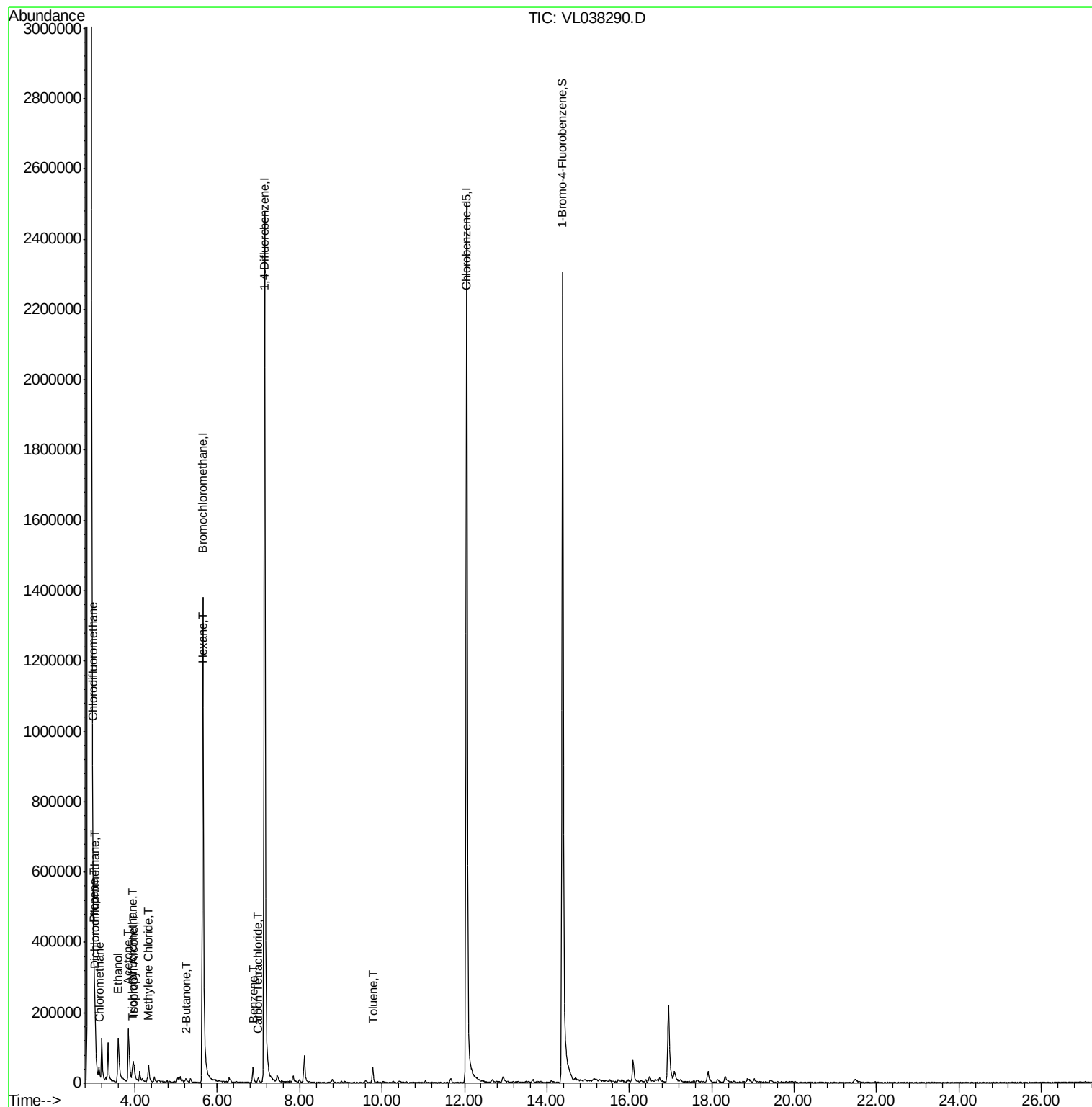
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL012622\
Data File : VL038290.D
Acq On : 26 Jan 2022 16:06
Operator : SY/AP
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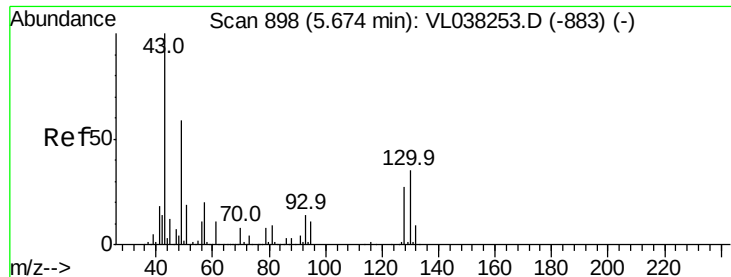
Instrument :
MSVOA_L
ClientSampleId :
OA-1

Quant Time: Jan 27 04:00:26 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL012422
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
QLast Update : Mon Jan 24 14:12:48 2022
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 01/27/2022
Supervised By :Mahesh Dadoda 01/28/2022



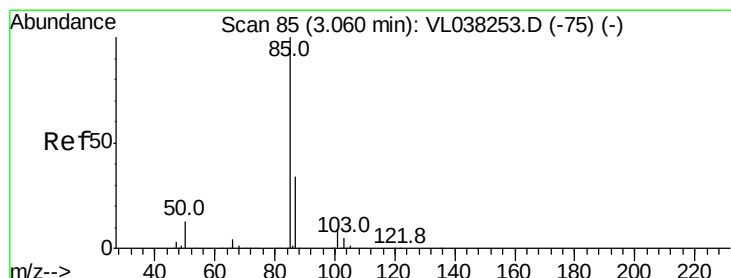
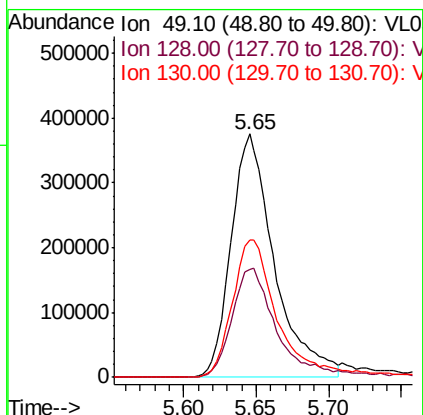
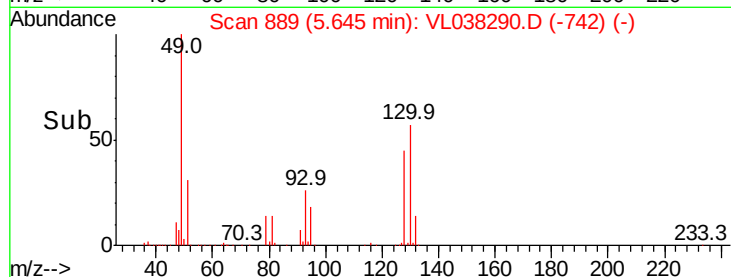
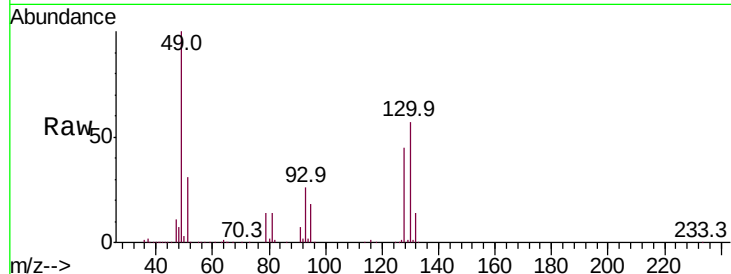


#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.65
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 Acq: 26 Jan 2022 16:06

Tot Ion:
 Ion Ratio
 49 100
 128 49.
 130 62.

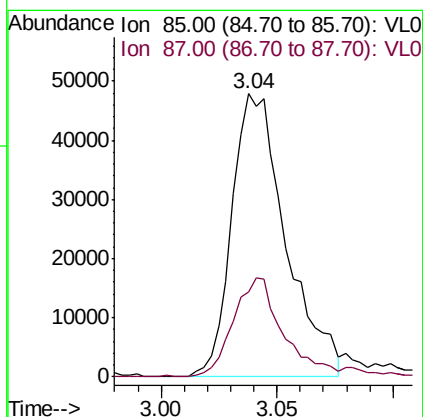
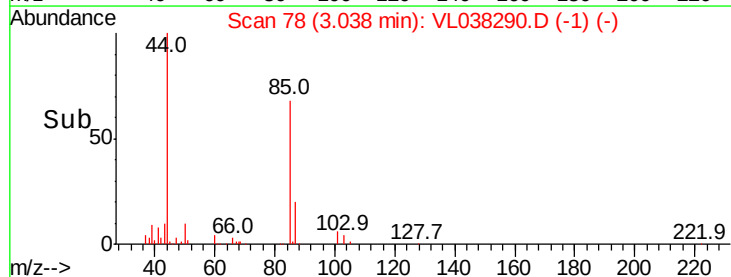
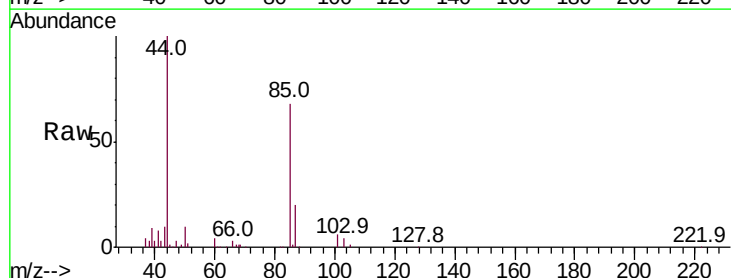
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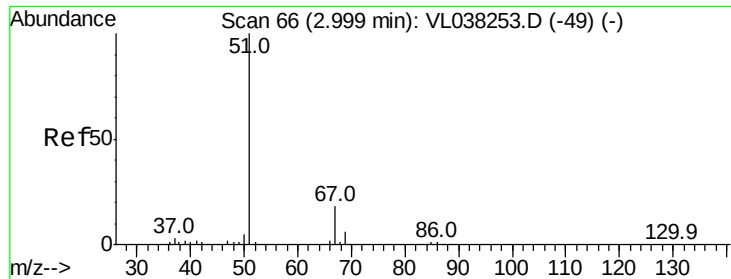
Reviewed By :Semsettin Yesilyurt 01/27/2022
 Supervised By :Mahesh Dadoda 01/28/2022



#2
 Dichlorodifluoromethane
 Concen: 0.470 ppbv
 RT: 3.04 min Scan# 78
 Delta R.T. -0.02 min
 Lab File: VL038290.D
 Acq: 26 Jan 2022 16:06

Tgt Ion: 85 Resp: 77866
 Ion Ratio Lower Upper
 85 100
 87 30.0 27.0 40.6



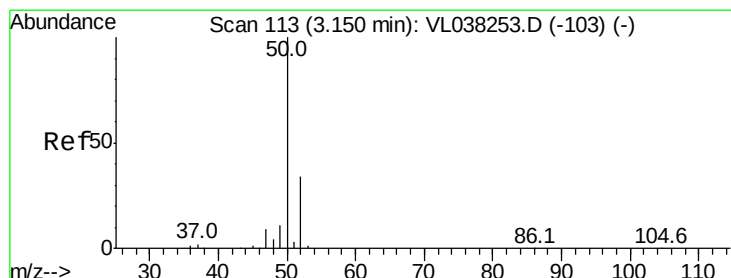
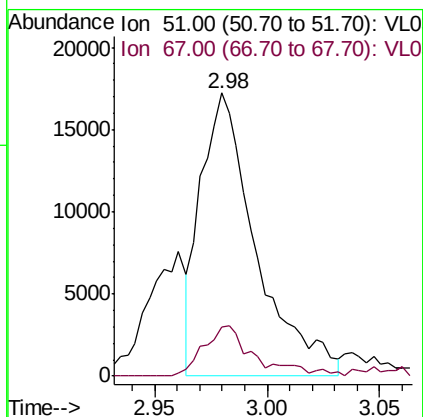
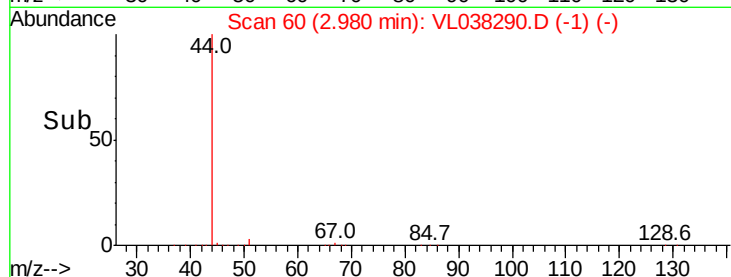
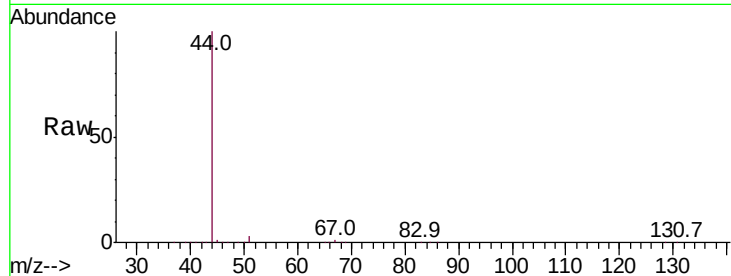


#3
Chlorodifluoromethane
Concen: 0.191 ppbv m
RT: 2.98 Instrument : MSVOA_1
Delta R.T. :
Lab File: ClientSampleId :
Acq: 26 Jan 2022 16:00

Tot Ion:
Ion Ratio
51 100
67 16.

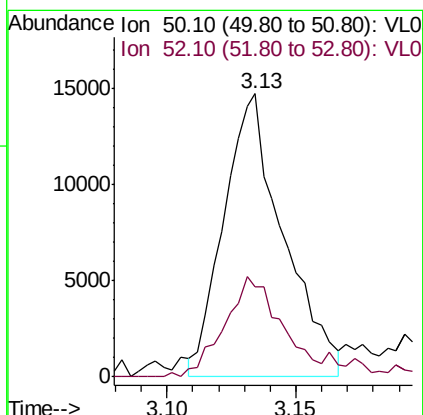
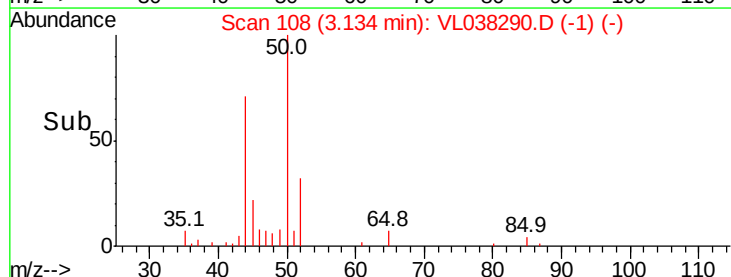
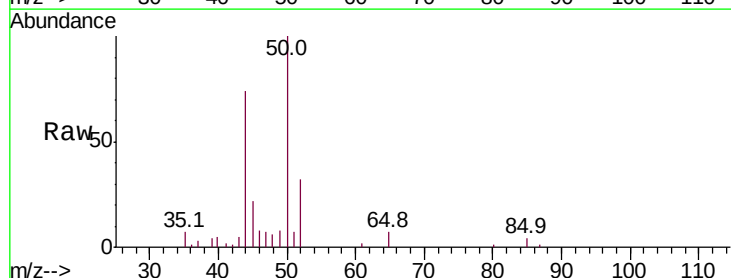
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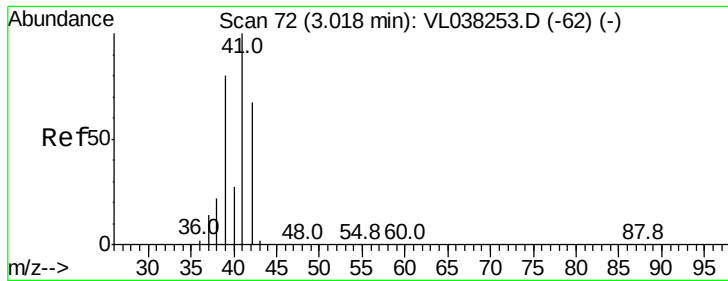
Reviewed By :Semsettin Yesilyurt 01/27/2022
Supervised By :Mahesh Dadoda 01/28/2022



#4
Chloromethane
Concen: 0.444 ppbv
RT: 3.13 min Scan# 108
Delta R.T. -0.02 min
Lab File: VL038290.D
Acq: 26 Jan 2022 16:00

Tgt Ion: 50 Resp: 23683
Ion Ratio Lower Upper
50 100
52 31.9 27.1 40.7





#9

Propene

Concen: 0.802 ppbv m

RT: 3.02 Instrument :

Delta R.T. MSVOA_1

Lab File: ClientSampleId :

Acq: 26 Jan 2022 16:00

Tot Ion:

Ion Ratio

41 100

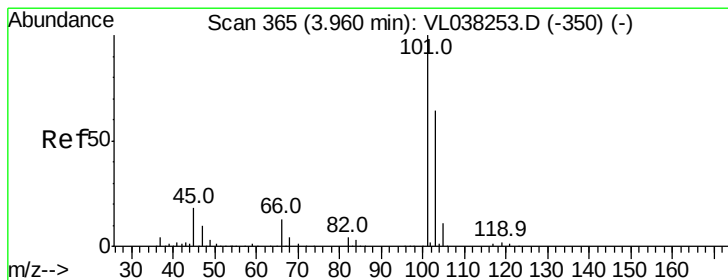
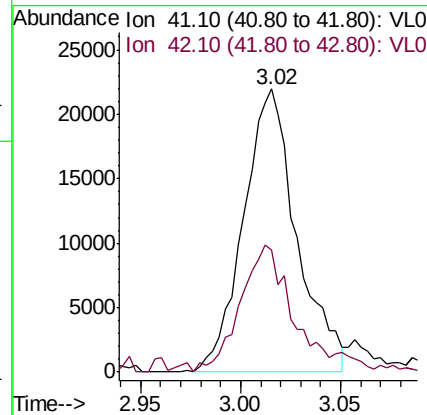
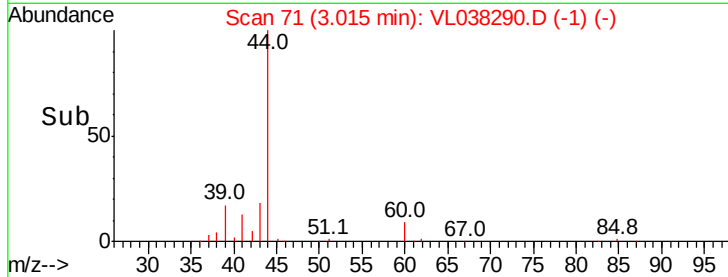
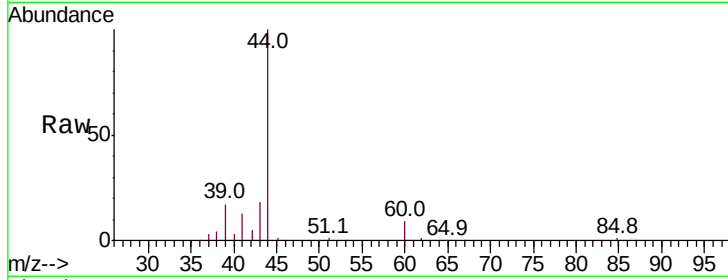
42 70.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 01/27/2022

Supervised By :Mahesh Dadoda 01/28/2022



#11

Trichlorofluoromethane

Concen: 0.189 ppbv m

RT: 3.93 min Scan# 357

Delta R.T. -0.03 min

Lab File: VL038290.D

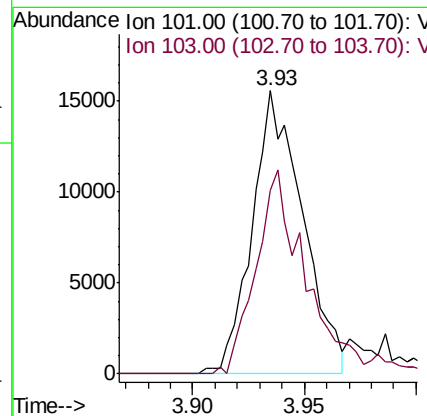
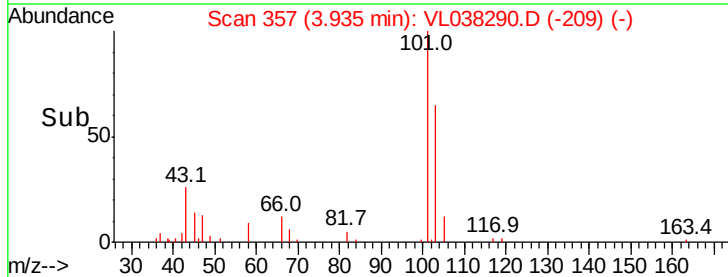
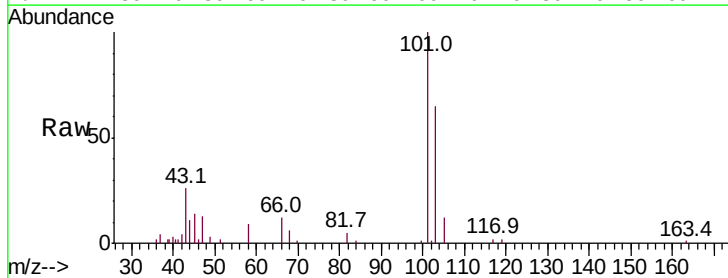
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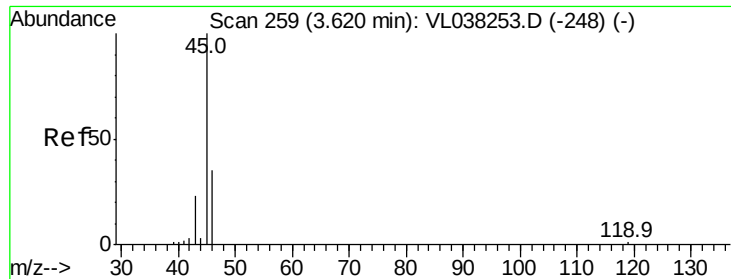
Tgt Ion:101 Resp: 24366

Ion Ratio Lower Upper

101 100

103 64.9 51.2 76.8





#13

Ethanol

Concen: 32.944 ppbv m

RT: 3.59

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 26 Jan 2022 16:00

Tot Ion:

Ion Ratio

45 100

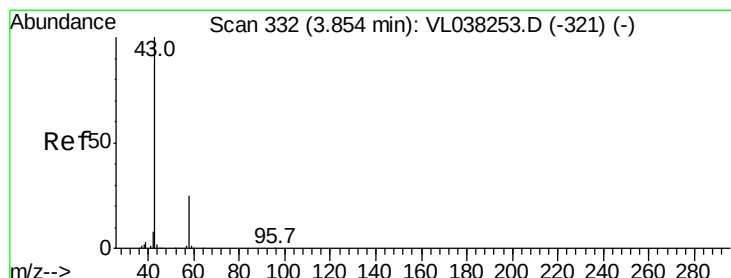
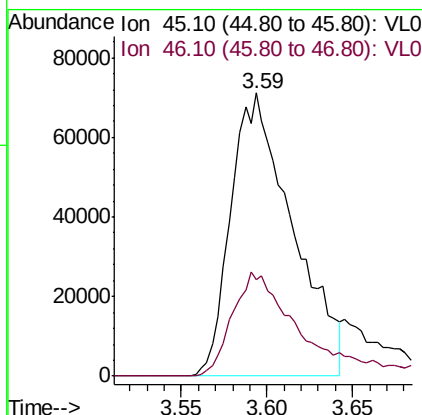
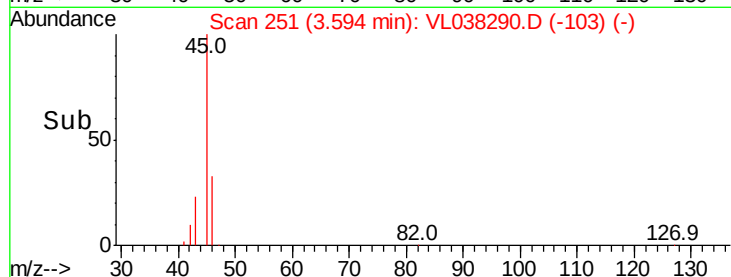
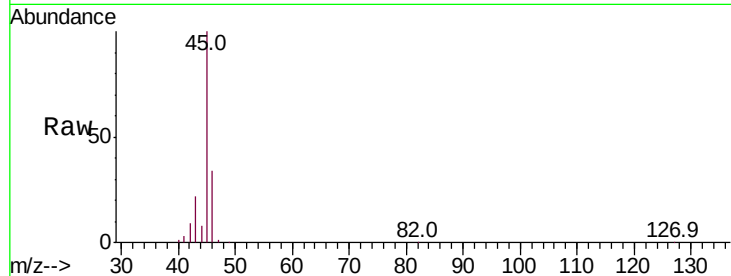
46 43.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 01/27/2022

Supervised By :Mahesh Dadoda 01/28/2022



#15

Acetone

Concen: 2.810 ppbv

RT: 3.84 min Scan# 327

Delta R.T. -0.02 min

Lab File: VL038290.D

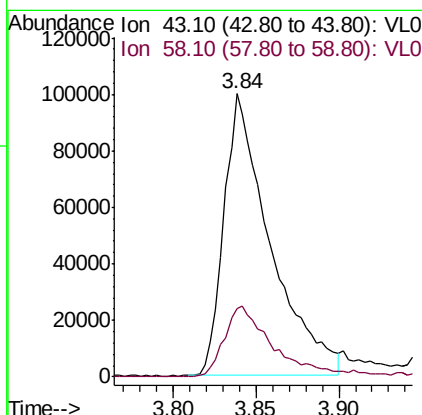
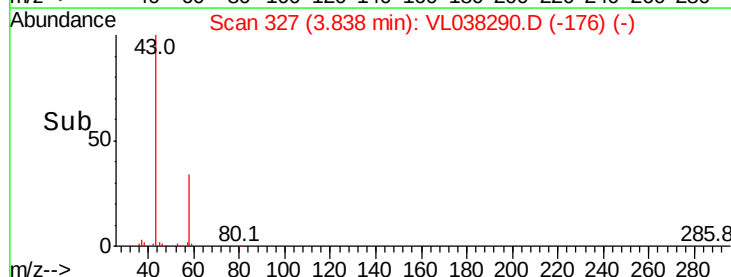
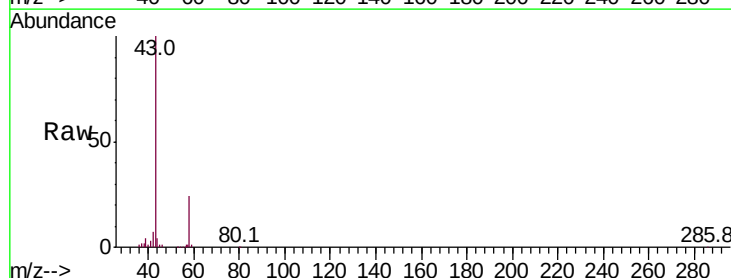
Acq: 26 Jan 2022 16:00

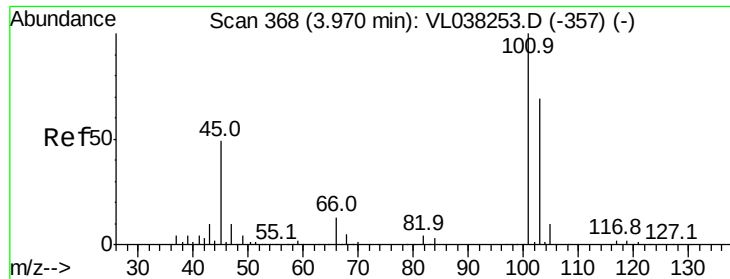
Tgt Ion: 43 Resp: 192827

Ion Ratio Lower Upper

43 100

58 29.9 21.5 32.3





#19

Isopropyl Alcohol

Concen: 1.694 ppbv m

RT: 3.96

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 26 Jan 2022 16:00

Tot Ion:

Ion Ratio

45 100

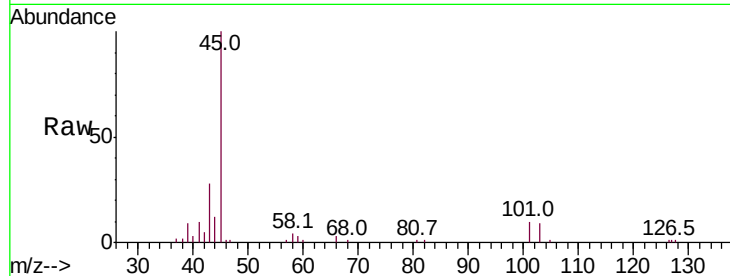
58 0.

Manual Integrations

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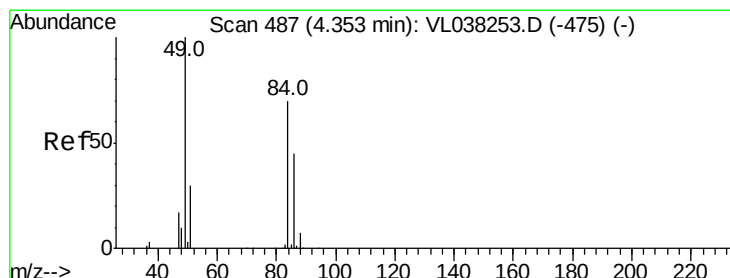
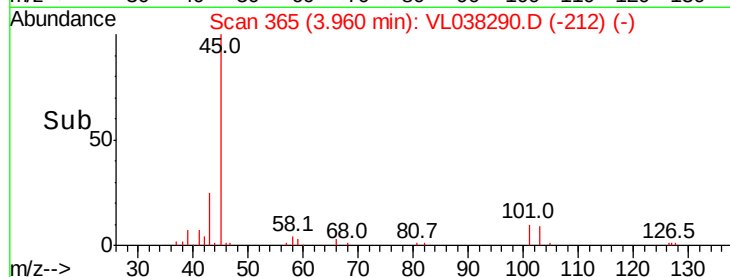
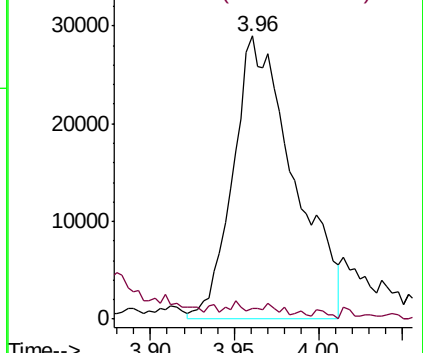
Reviewed By :Semsettin Yesilyurt 01/27/2022

Supervised By :Mahesh Dadoda 01/28/2022



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 0.454 ppbv m

RT: 4.33 min Scan# 481

Delta R.T. -0.02 min

Lab File: VL038290.D

Acq: 26 Jan 2022 16:06

Tgt Ion: 84 Resp: 18127

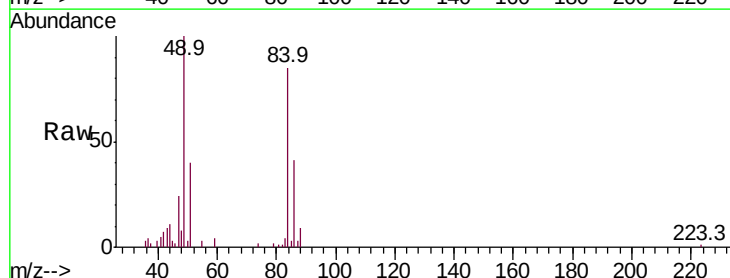
Ion Ratio Lower Upper

84 100

49 117.1 115.0 172.6

51 46.4 35.0 52.6

86 47.9 51.4 77.0#

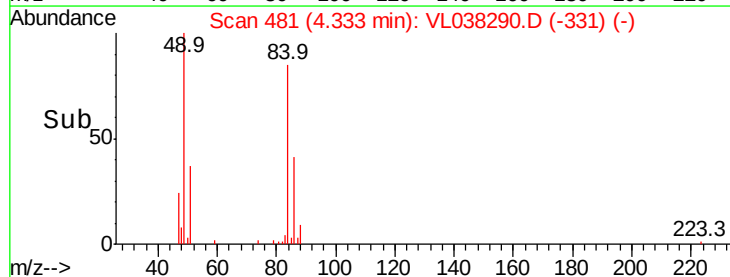
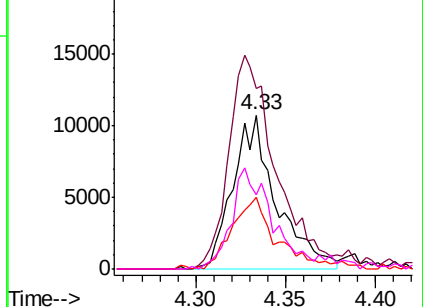


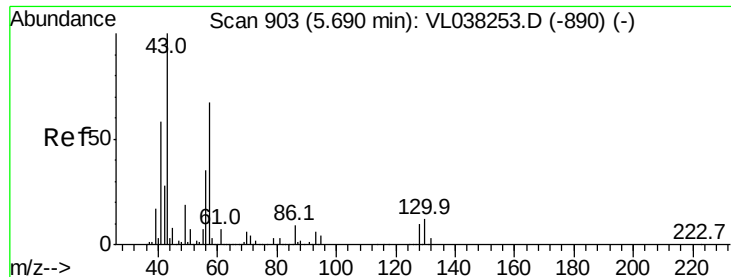
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0



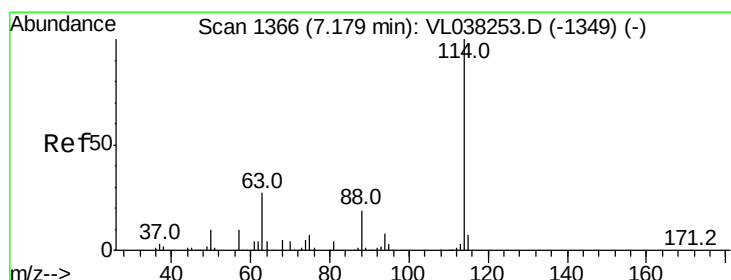
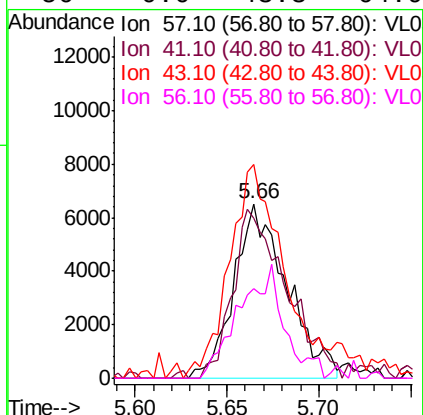
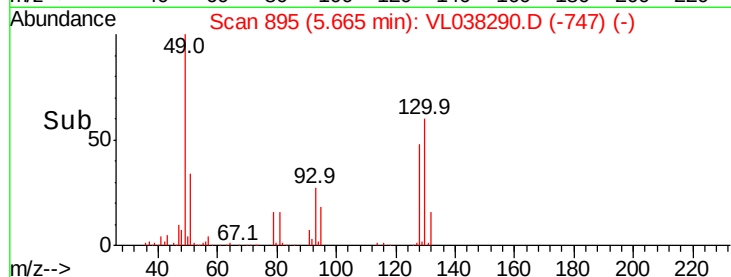
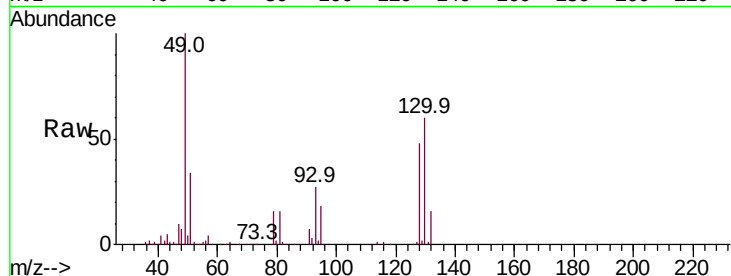


#26
Hexane
Concen: 0.145 ppbv m
RT: 5.66
Instrument : MSVOA_1
Delta R.T. :
Lab File: ClientSampleId :
Acq: 26 Jan 2022 16:00

Tot Ion:
Ion Ratio
57 100
41 104.
43 138.
56 0.0 43.3 64.9#

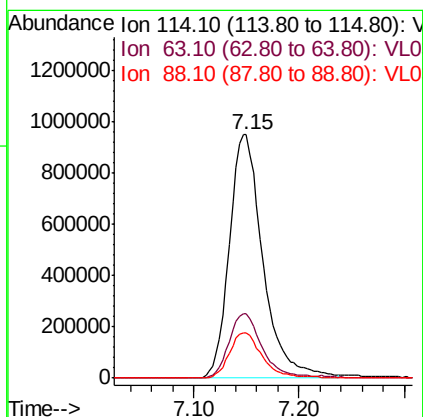
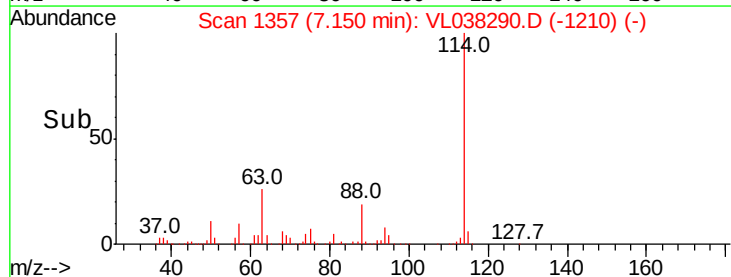
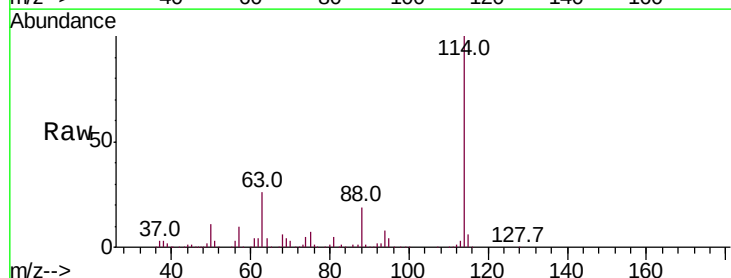
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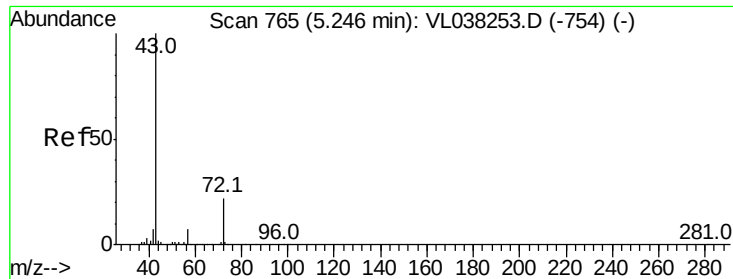
Reviewed By :Semsettin Yesilyurt 01/27/2022
Supervised By :Mahesh Dadoda 01/28/2022



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.15 min Scan# 1357
Delta R.T. -0.03 min
Lab File: VL038290.D
Acq: 26 Jan 2022 16:06

Tgt Ion:114 Resp: 2090879
Ion Ratio Lower Upper
114 100
63 26.9 22.0 33.0
88 18.7 15.0 22.6



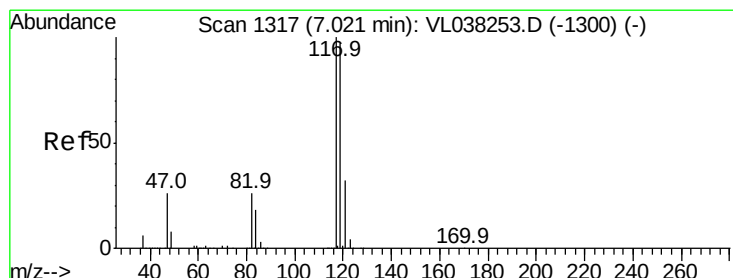
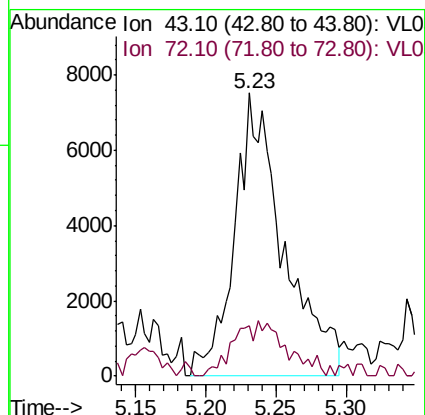
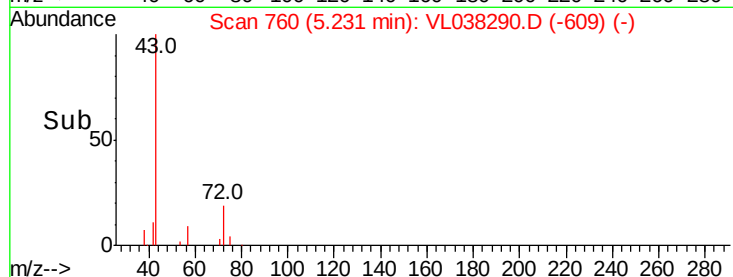
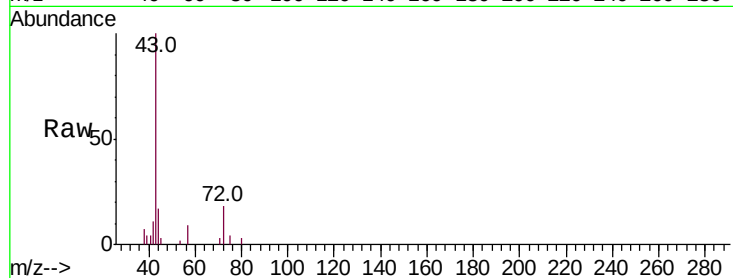


#34
2-Butanone
Concen: 0.267 ppbv m
RT: 5.23
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 26 Jan 2022 16:06

Tot Ion:
Ion Ratio
43 100
72 0.

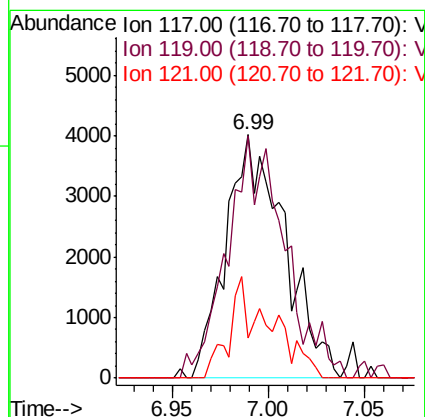
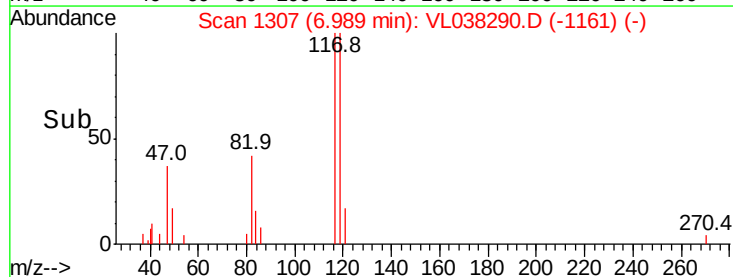
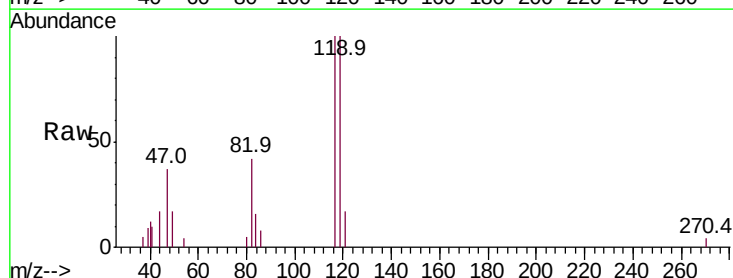
Manual Integrations
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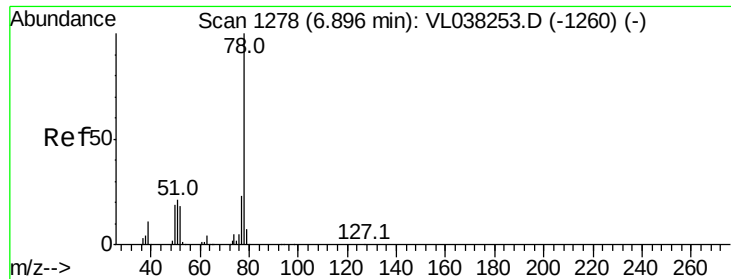
Reviewed By :Semsettin Yesilyurt 01/27/2022
Supervised By :Mahesh Dadoda 01/28/2022



#35
Carbon Tetrachloride
Concen: 0.058 ppbv m
RT: 6.99 min Scan# 1307
Delta R.T. -0.03 min
Lab File: VL038290.D
Acq: 26 Jan 2022 16:06

Tgt Ion:117 Resp: 8526
Ion Ratio Lower Upper
117 100
119 99.6 77.9 116.9
121 16.6 25.4 38.2#





#36

Benzene

Concen: 0.181 ppbv

RT: 6.87

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 26 Jan 2022 16:00

Tot Ion:

Ion Ratio

78 100

77 20.

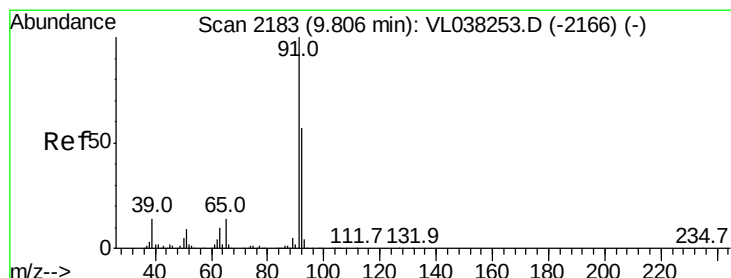
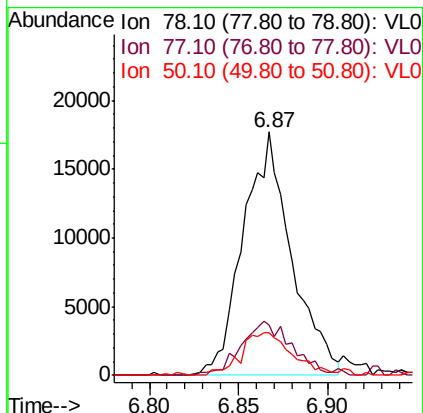
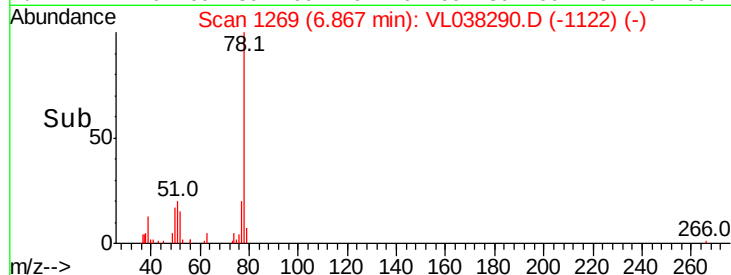
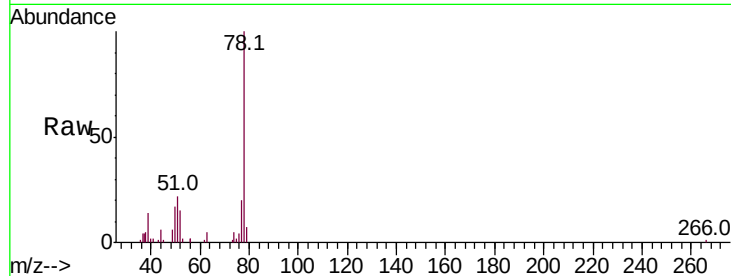
50 17.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 01/27/2022

Supervised By :Mahesh Dadoda 01/28/2022



#53

Toluene

Concen: 0.148 ppbv

RT: 9.78 min Scan# 2174

Delta R.T. -0.03 min

Lab File: VL038290.D

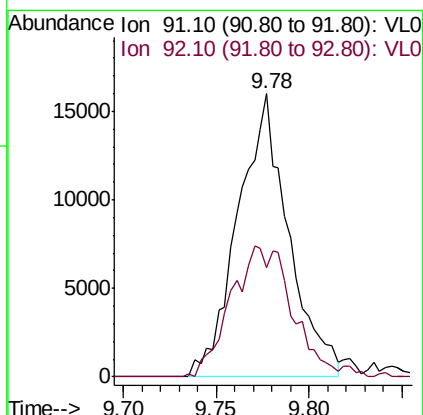
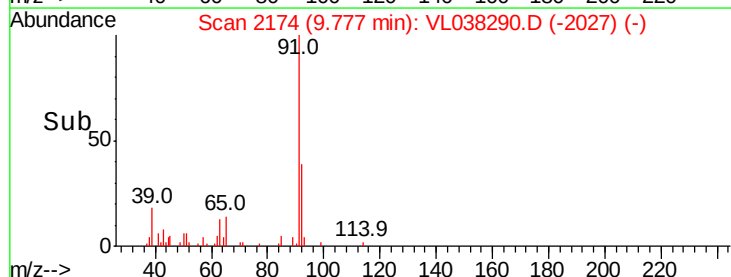
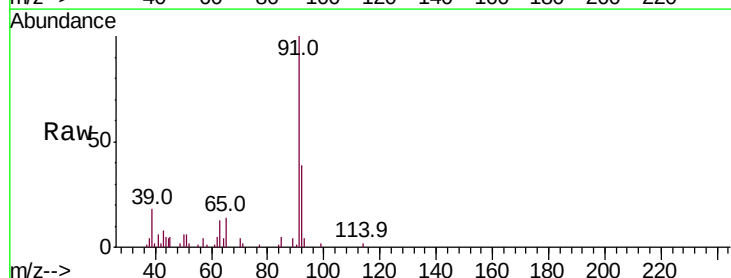
Acq: 26 Jan 2022 16:00

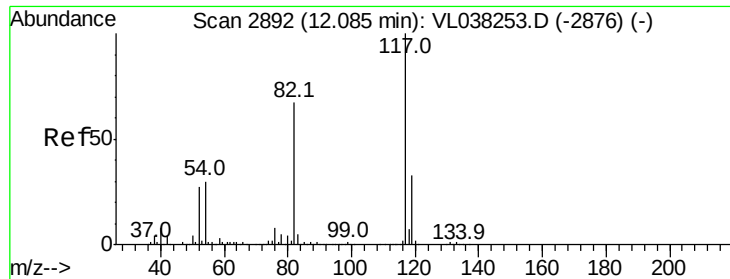
Tgt Ion: 91 Resp: 30230

Ion Ratio Lower Upper

91 100

92 57.0 47.4 71.0





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.05

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 26 Jan 2022 16:06

Tot Ion:1

Ion Rati

117 100

82 69.

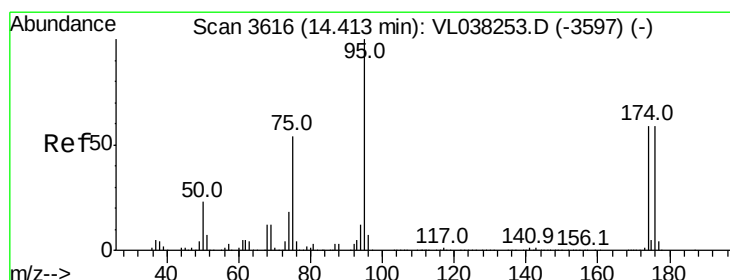
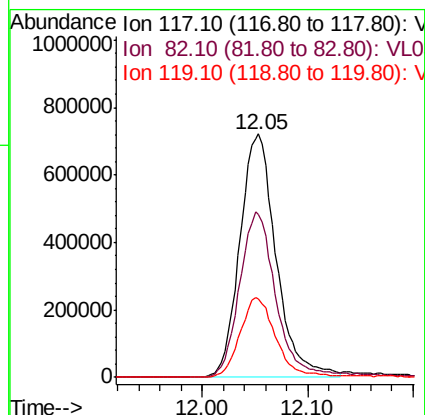
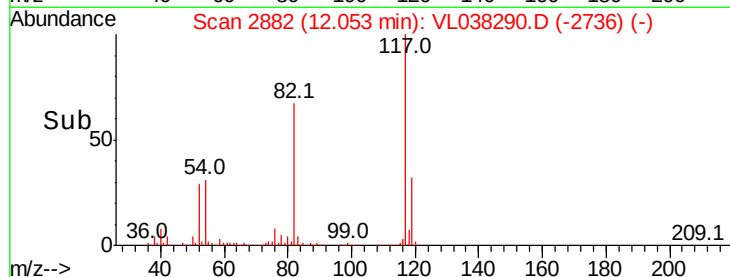
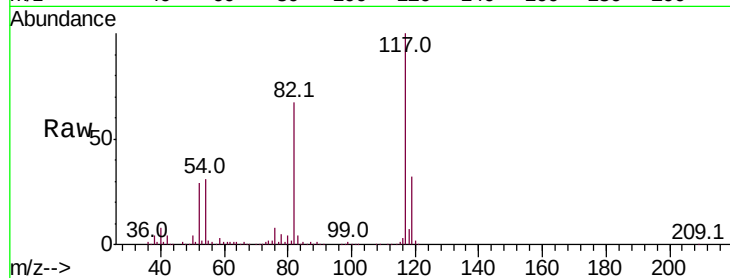
119 33.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/27/2022

Supervised By :Mahesh Dadoda 01/28/2022



#68

1-Bromo-4-Fluorobenzene

Concen: 9.832 ppbv

RT: 14.38 min Scan# 3606

Delta R.T. -0.03 min

Lab File: VL038290.D

Acq: 26 Jan 2022 16:06

Tgt Ion: 95 Resp: 1289959

Ion Ratio Lower Upper

95 100

174 61.9 48.3 72.5

175 4.4 3.5 5.3

