

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL021622\
 Data File : VL038368.D
 Acq On : 16 Feb 2022 15:54
 Operator : SY/AP
 Sample : N1546-01 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SVP-1

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 02/17/2022
 Supervised By : Mahesh Dadoda 02/21/2022

Quant Time: Feb 17 06:40:58 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	5.63	49	934057	10.00	ppbv	-0.04
33) 1,4-Difluorobenzene	7.14	114	2186524	10.00	ppbv	-0.04
55) Chlorobenzene-d5	12.04	117	2010149	10.00	ppbv	-0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.37	95	1652668	10.83	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	108.30%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.03	85	32979	0.17	ppbv	91
9) Propene	3.00	41	23105	0.38	ppbv	97
13) Ethanol	3.59	45	39919m	6.14	ppbv	
15) Acetone	3.84	43	91467m	1.11	ppbv	
19) Isopropyl Alcohol	3.95	45	40351m	0.78	ppbv	
20) Methylene Chloride	4.32	84	24496	0.51	ppbv #	91
26) Hexane	5.65	57	14873m	0.14	ppbv	
34) 2-Butanone	5.23	43	16869	0.24	ppbv #	86
38) Trichloroethene	7.79	130	14002m	0.19	ppbv	
41) Tetrahydrofuran	6.04	42	15936m	0.33	ppbv	
52) Tetrachloroethene	11.18	164	77692	1.17	ppbv	93
53) Toluene	9.76	91	313428	1.46	ppbv	99
59) m/p-Xylene	12.92	91	37066m	0.15	ppbv	

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

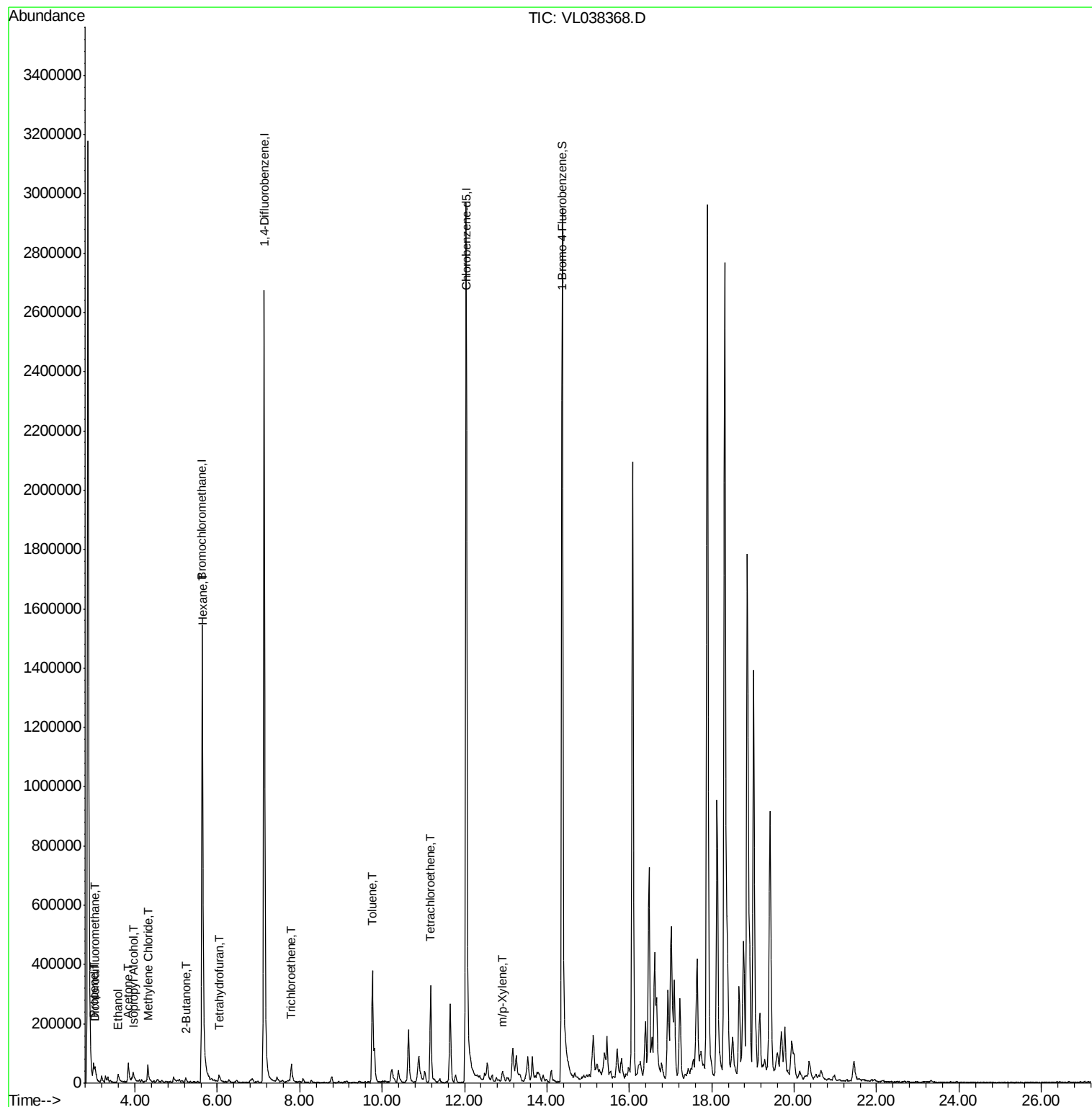
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL021622\
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Supervised By :Mahesh Dadoda 02/21/2022





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.63 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: SVP-1

Acq: 16 Feb 2022 15:54

Tgt Ion:

Ion Ratio

49 100

128 44.

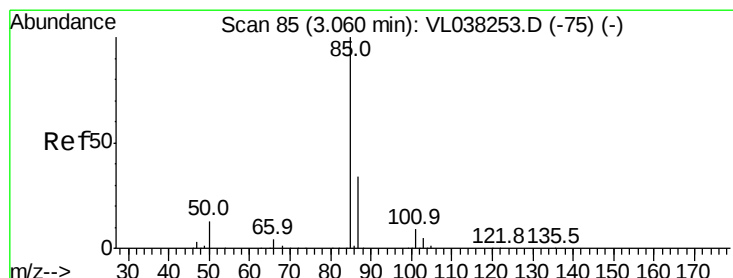
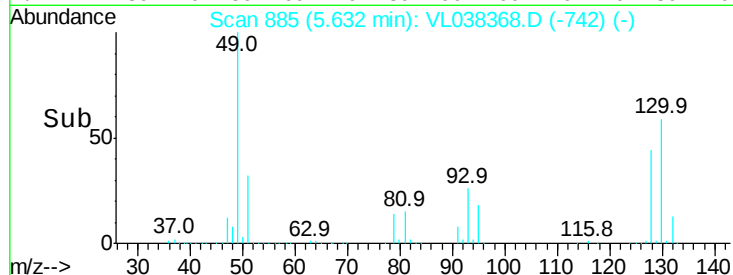
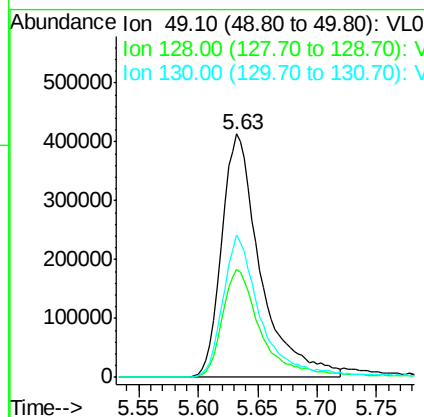
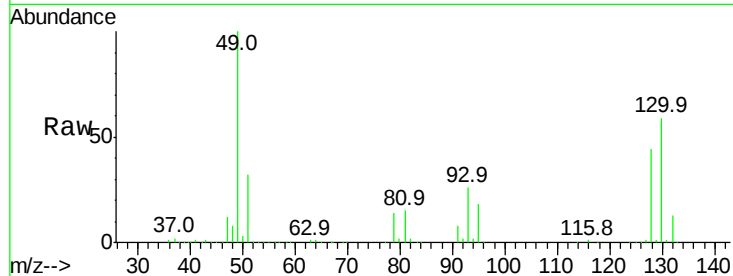
130 57.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 02/17/2022

Supervised By :Mahesh Dadoda 02/21/2022



#2

Dichlorodifluoromethane

Concen: 0.17 ppbv

RT: 3.03 min Scan# 77

Delta R.T. -0.03 min

Lab File: VL038368.D

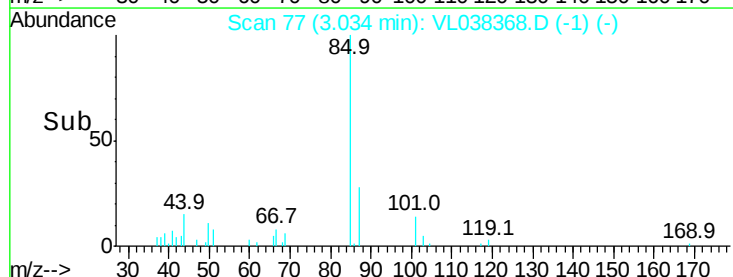
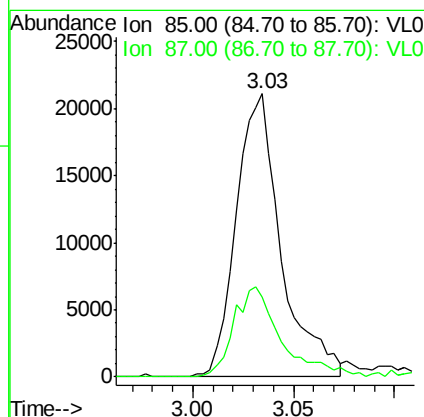
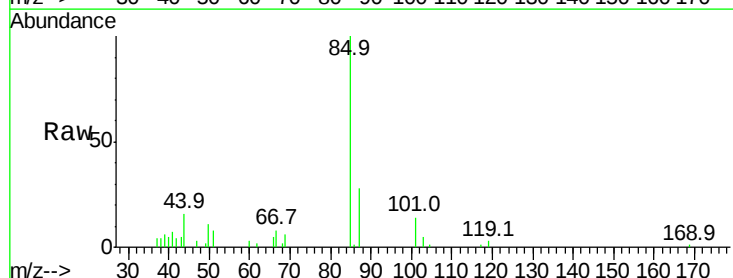
Acq: 16 Feb 2022 15:54

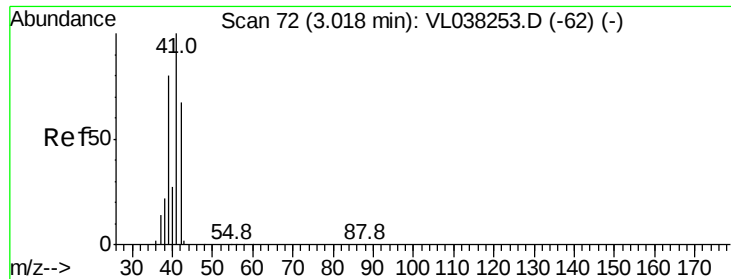
Tgt Ion: 85 Resp: 32979

Ion Ratio Lower Upper

85 100

87 28.4 27.0 40.6





#9

Propene

Concen: 0.38 ppbv

RT: 3.00 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

SVP-1

Acq: 16 Feb 2022 15:54

Tgt Ion:

Ion Ratio

41 100

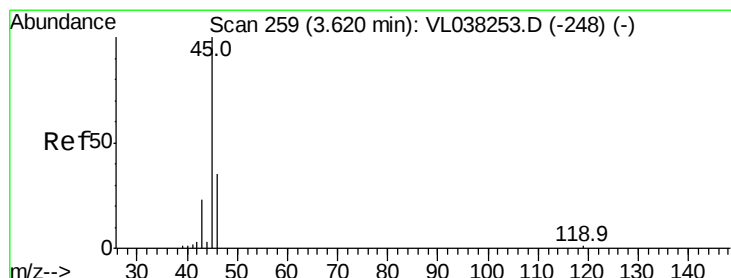
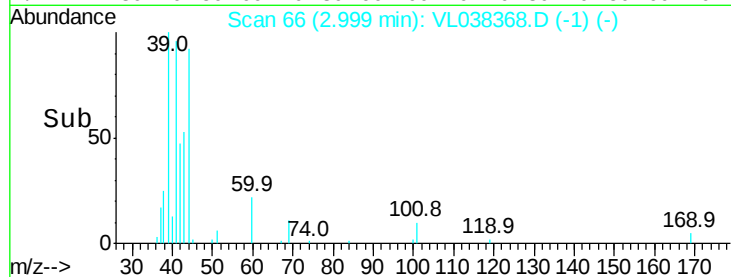
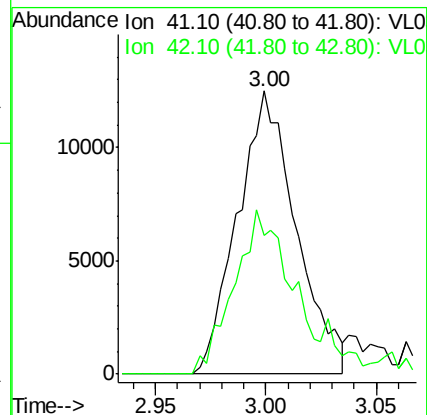
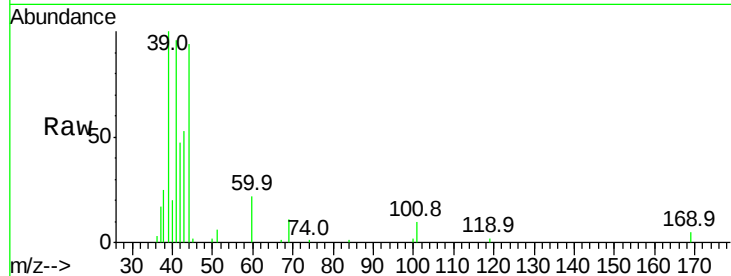
42 66.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 02/17/2022

Supervised By :Mahesh Dadoda 02/21/2022



#13

Ethanol

Concen: 6.14 ppbv m

RT: 3.59 min Scan# 250

Delta R.T. -0.03 min

Lab File: VL038368.D

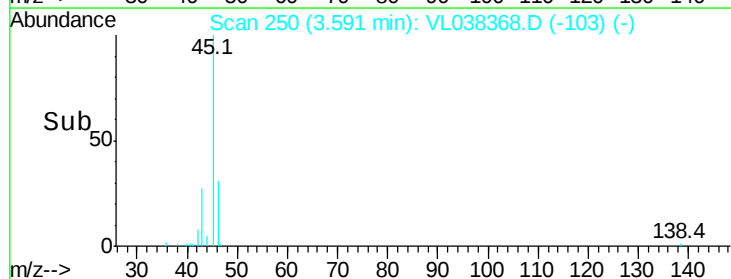
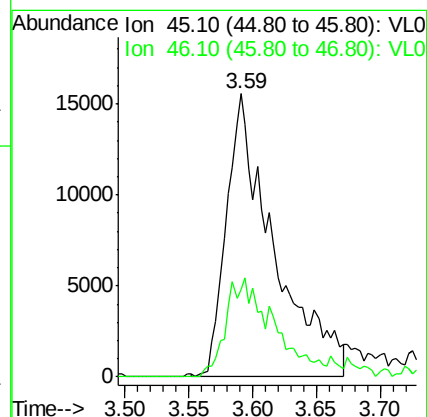
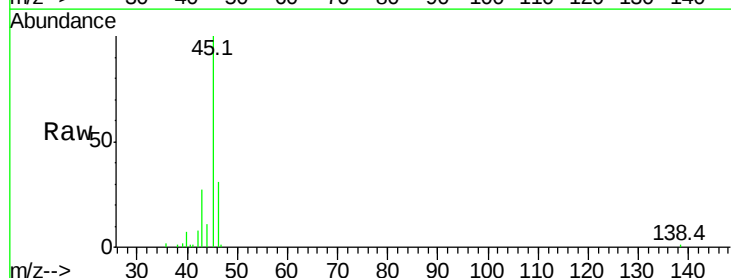
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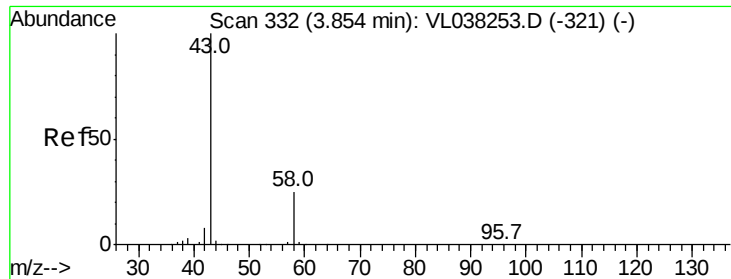
Tgt Ion: 45 Resp: 39919

Ion Ratio Lower Upper

45 100

46 35.0 15.4 61.6





#15

Acetone

Concen: 1.11 ppbv m

RT: 3.84 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 16 Feb 2022 15:54 SVP-1

Tgt Ion:

Ion Ratio

43 100

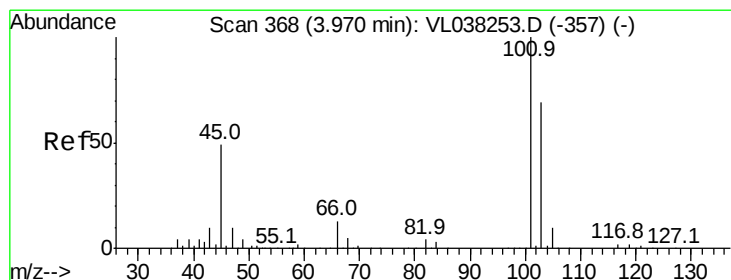
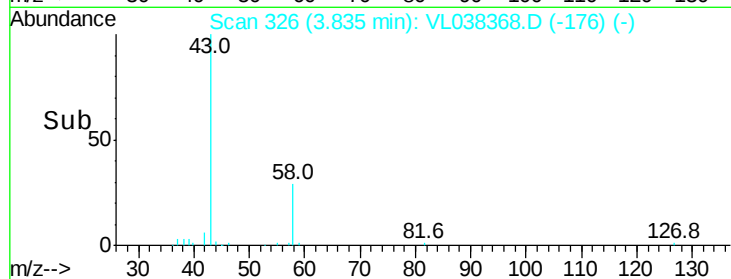
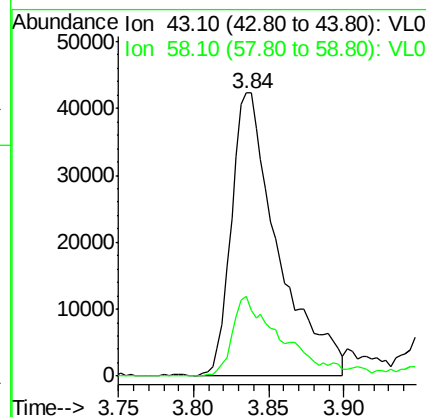
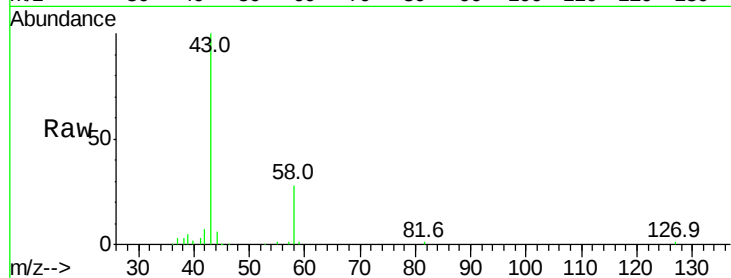
58 30.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 02/17/2022

Supervised By :Mahesh Dadoda 02/21/2022



#19

Isopropyl Alcohol

Concen: 0.78 ppbv m

RT: 3.95 min Scan# 363

Delta R.T. -0.02 min

Lab File: VL038368.D

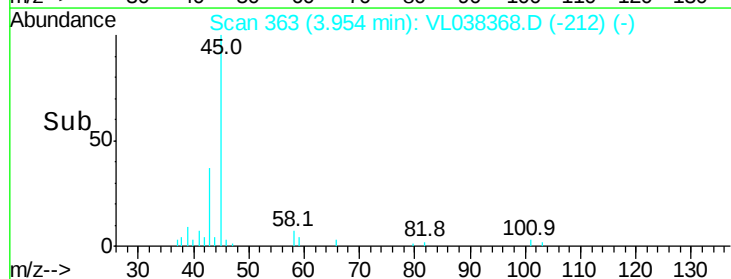
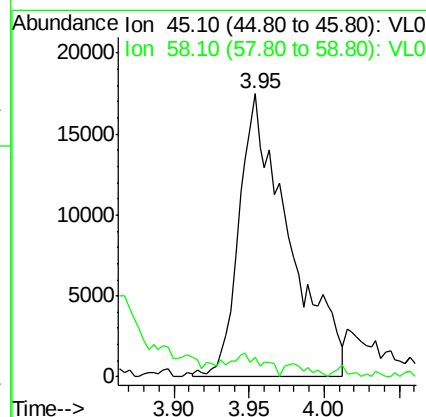
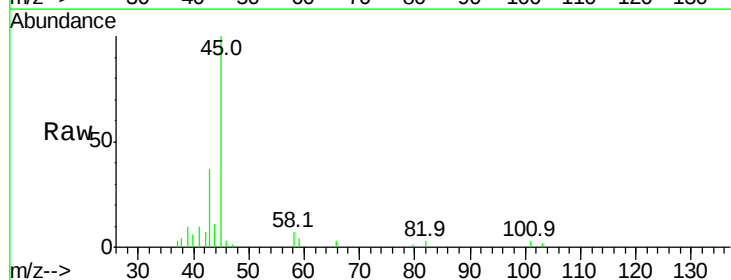
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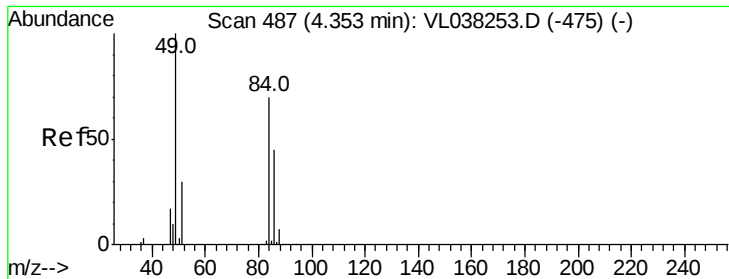
Tgt Ion: 45 Resp: 40351

Ion Ratio Lower Upper

45 100

58 10.1 2.3 3.5#



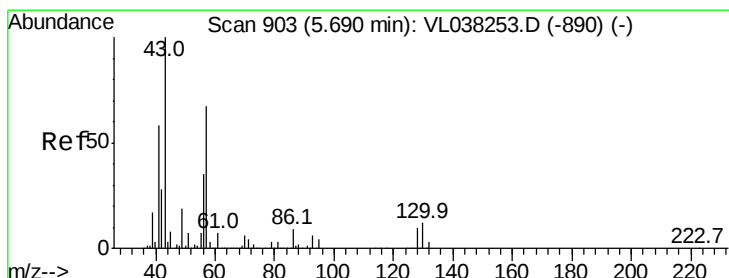
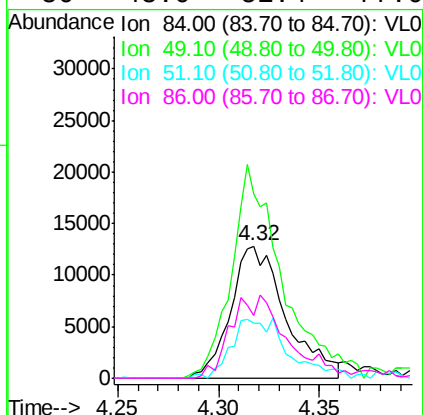
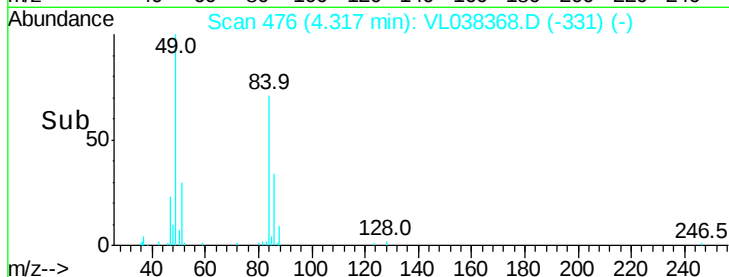
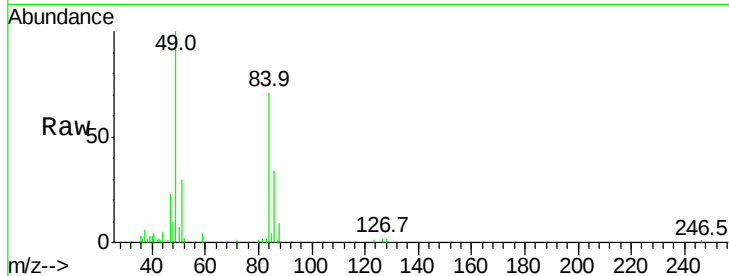


#20
Methylene Chloride
Concen: 0.51 ppbv
RT: 4.32
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
SVP-1
Acq: 16 Feb 2022 15:54

Tgt Ion:
Ion Ratio
84 100
49 137.
51 41.
86 48.0 51.4 77.0#

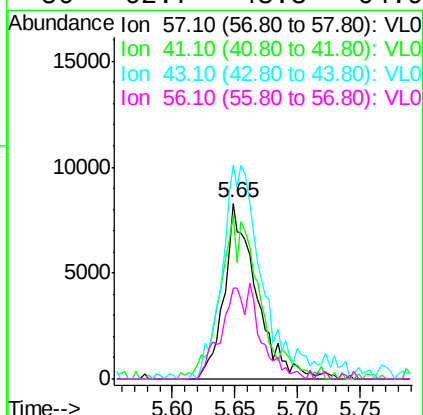
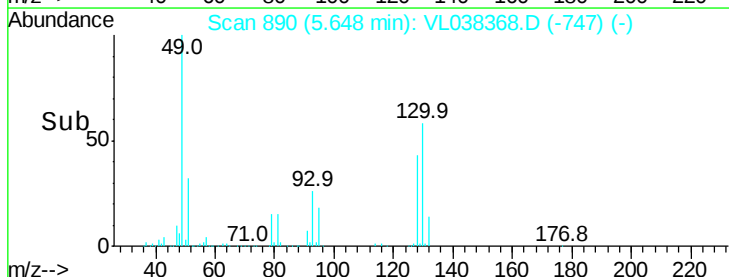
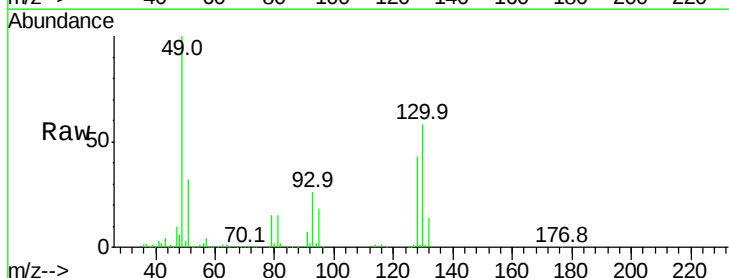
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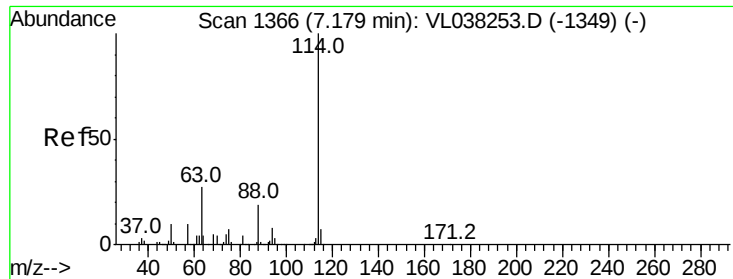
Reviewed By :Semsettin Yesilyurt 02/17/2022
Supervised By :Mahesh Dadoda 02/21/2022



#26
Hexane
Concen: 0.14 ppbv m
RT: 5.65 min Scan# 890
Delta R.T. -0.04 min
Lab File: VL038368.D
Acq: 16 Feb 2022 15:54

Tgt Ion: 57 Resp: 14873
Ion Ratio Lower Upper
57 100
41 115.4 72.8 109.2#
43 161.2 177.0 265.6#
56 62.7 43.3 64.9



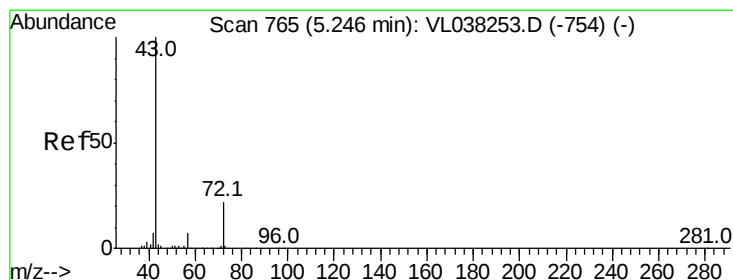
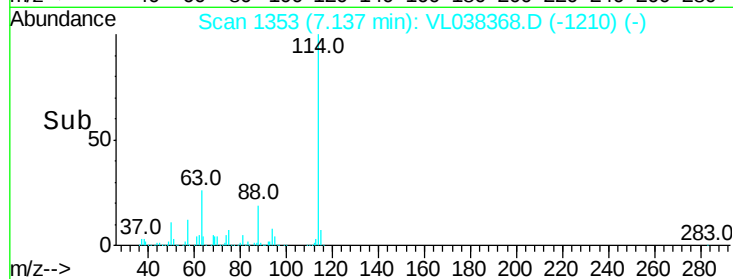
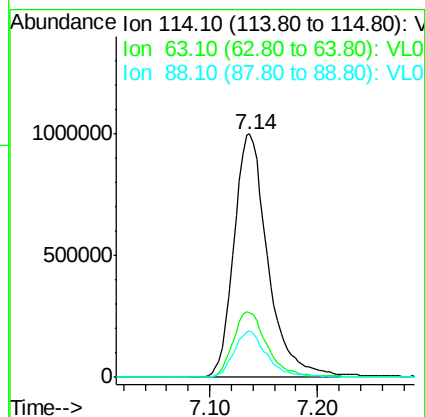
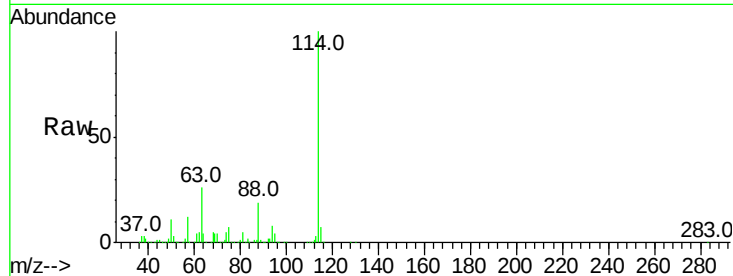


#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.14
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 SVP-1
 Acq: 16 Feb 2022 15:54

Tgt Ion: 1
 Ion Ratio
 114 100
 63 27.
 88 18.

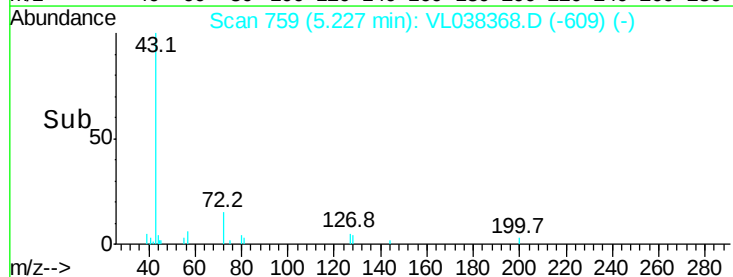
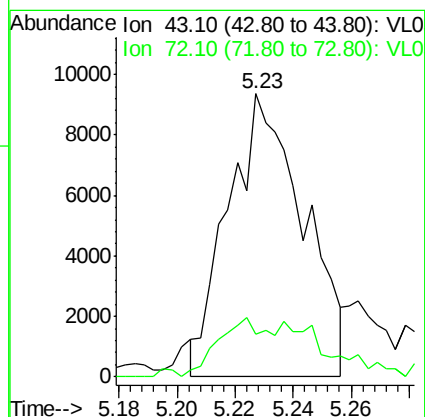
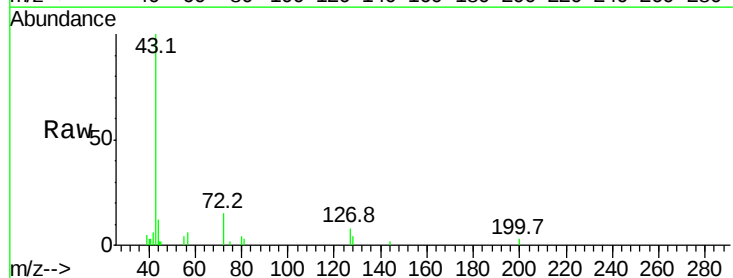
Manual Integrations
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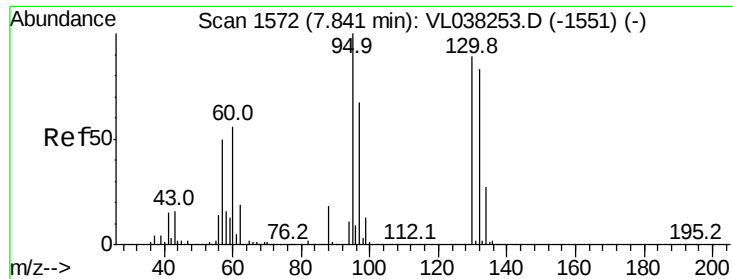
Reviewed By : Semsettin Yesilyurt 02/17/2022
 Supervised By : Mahesh Dadoda 02/21/2022



#34
 2-Butanone
 Concen: 0.24 ppbv
 RT: 5.23 min Scan# 759
 Delta R.T. -0.02 min
 Lab File: VL038368.D
 Acq: 16 Feb 2022 15:54

Tgt Ion: 43 Resp: 16869
 Ion Ratio Lower Upper
 43 100
 72 29.3 18.1 27.1#





#38

Trichloroethene

Concen: 0.19 ppbv m

RT: 7.79 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 16 Feb 2022 15:54 SVP-1

Tgt Ion:1

Ion Ratio

130 100

95 90.

132 80.

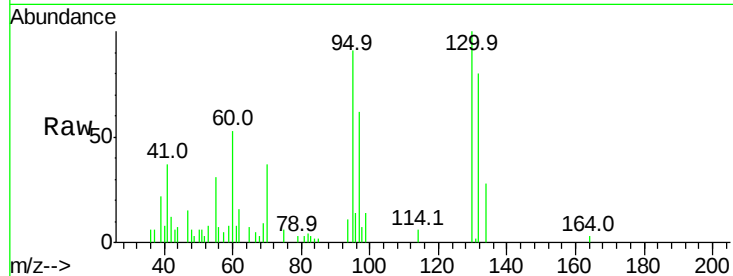
97 62.2 59.6 89.4

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 02/17/2022

Supervised By :Mahesh Dadoda 02/21/2022

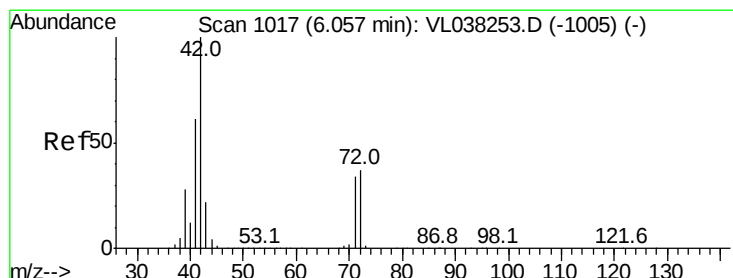
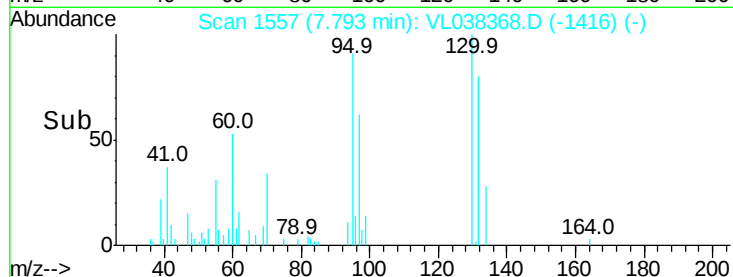
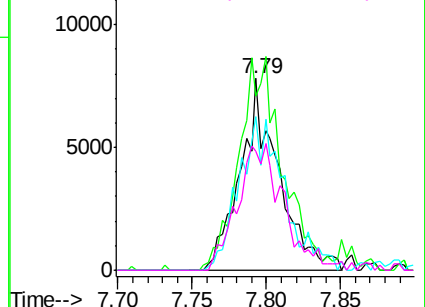


Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0



#41

Tetrahydrofuran

Concen: 0.33 ppbv m

RT: 6.04 min Scan# 1012

Delta R.T. -0.02 min

Lab File: VL038368.D

Acq: 16 Feb 2022 15:54

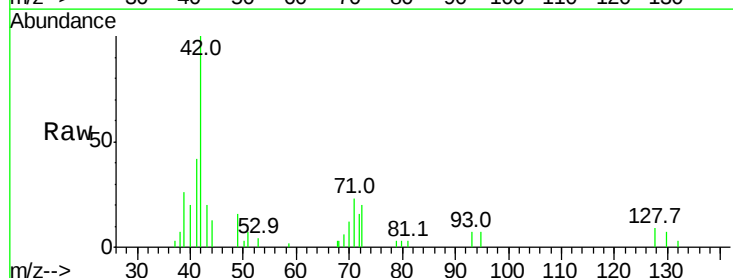
Tgt Ion: 42 Resp: 15936

Ion Ratio Lower Upper

42 100

72 0.0 29.7 44.5#

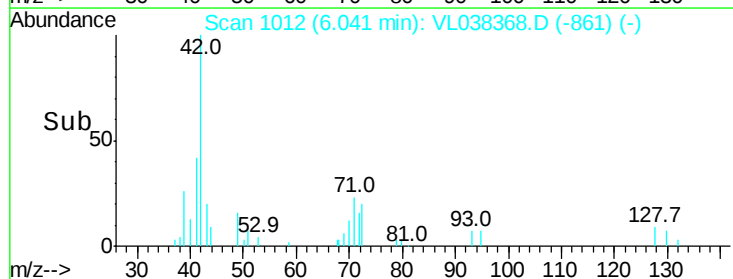
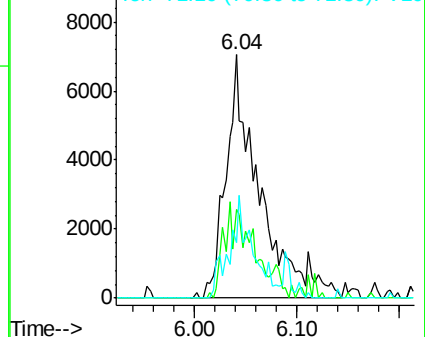
71 0.0 29.4 44.2#

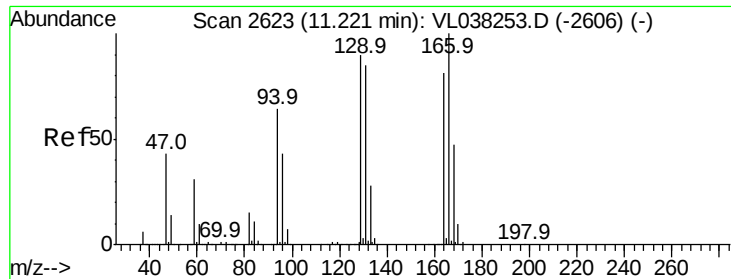


Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0





#52

Tetrachloroethene

Concen: 1.17 ppbv

RT: 11.18

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 16 Feb 2022 15:54

Tgt Ion:1

Ion Rati

164 100

166 128.

129 108.

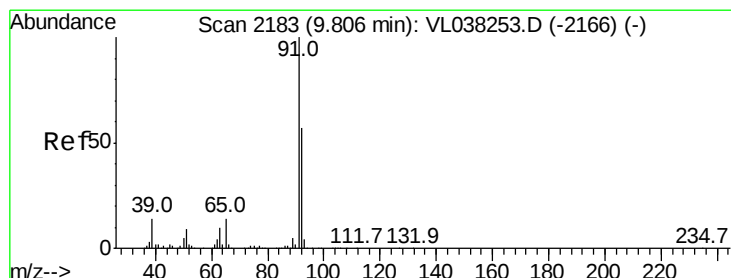
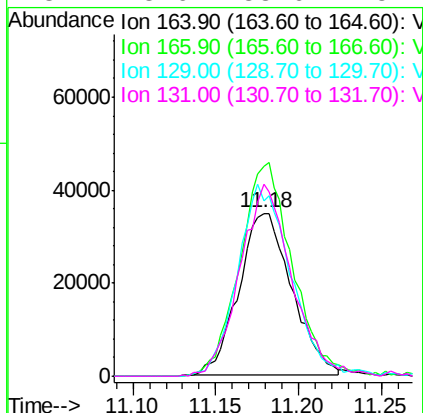
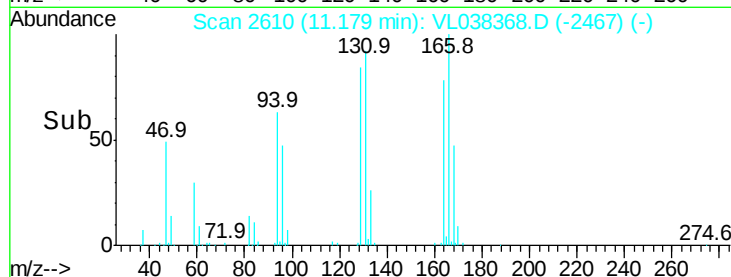
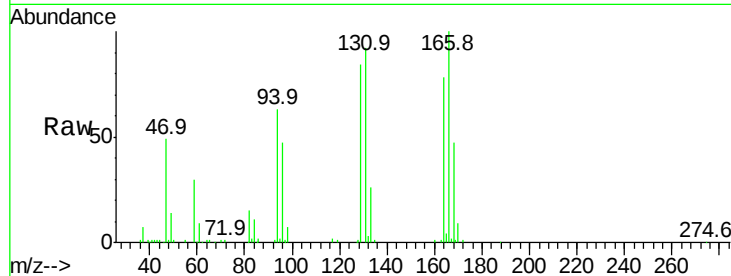
131 118.6 83.6 125.4

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 02/17/2022

Supervised By :Mahesh Dadoda 02/21/2022



#53

Toluene

Concen: 1.46 ppbv

RT: 9.76 min Scan# 2170

Delta R.T. -0.04 min

Lab File: VL038368.D

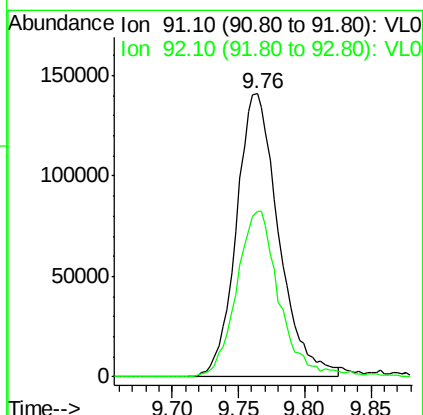
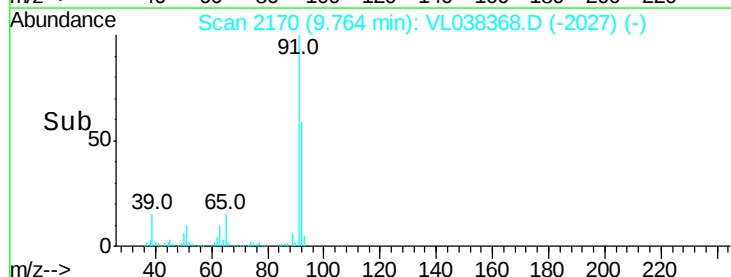
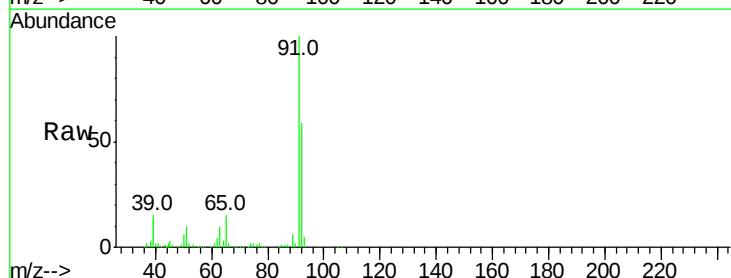
Acq: 16 Feb 2022 15:54

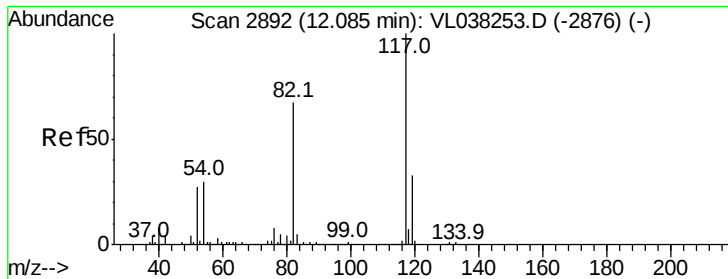
Tgt Ion: 91 Resp: 313428

Ion Ratio Lower Upper

91 100

92 59.6 47.4 71.0



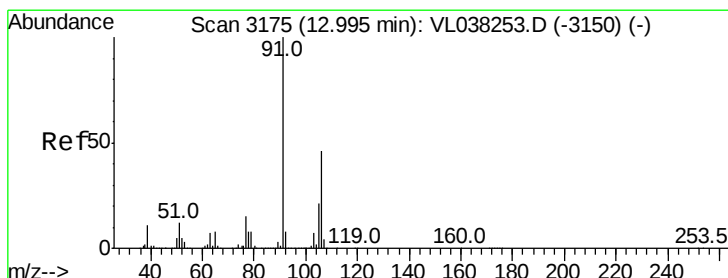
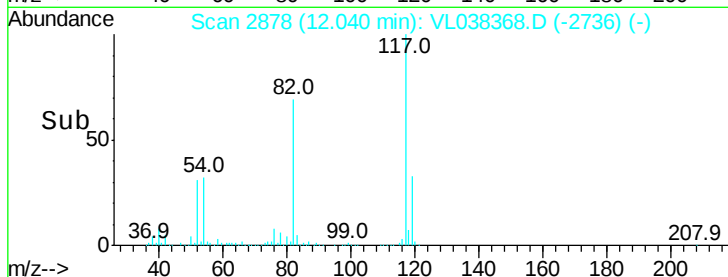
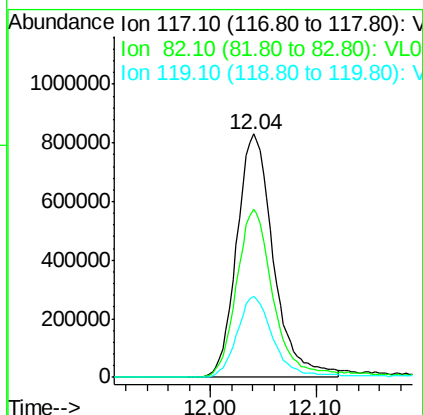
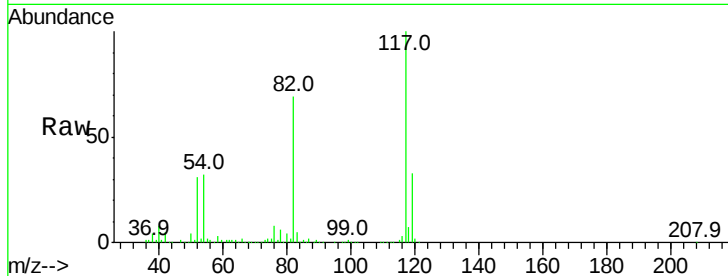


#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.04 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 16 Feb 2022 15:54

Tgt Ion: 117
Ion Ratio: 100
117 100
82 73.3
119 33.3

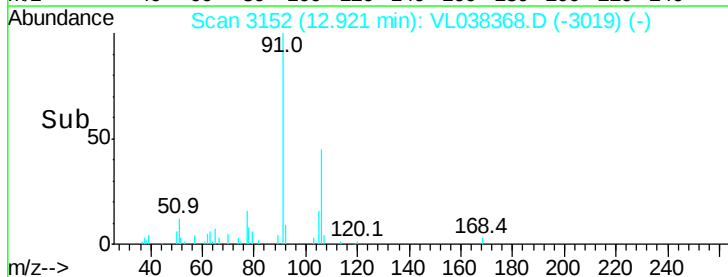
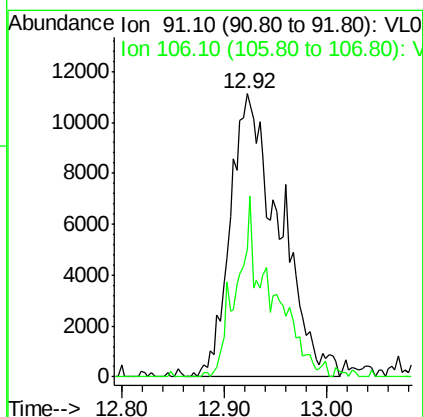
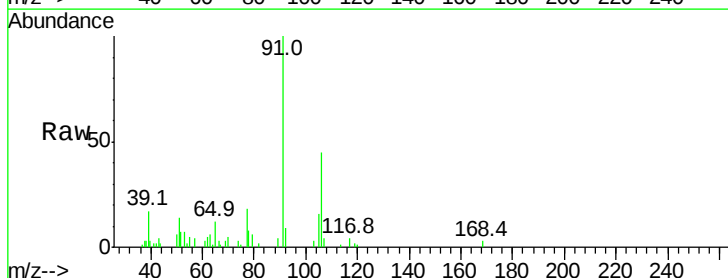
Manual Integrations
APPROVED

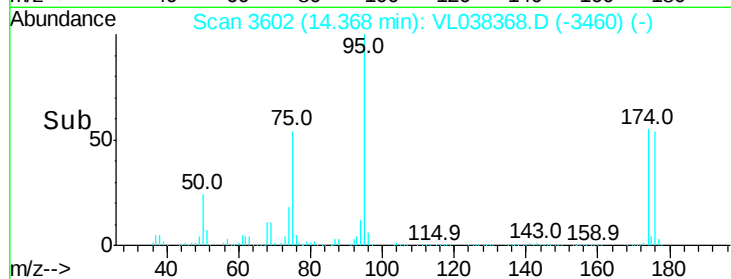
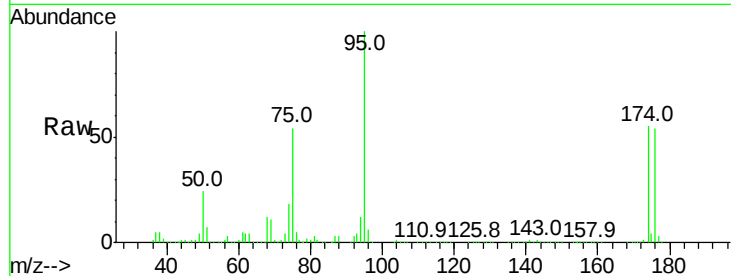
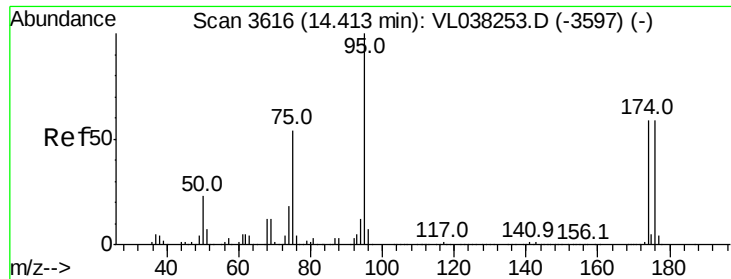
Reviewed By :Semsettin Yesilyurt 02/17/2022
Supervised By :Mahesh Dadoda 02/21/2022



#59
m/p-Xylene
Concen: 0.15 ppbv m
RT: 12.92 min Scan# 3152
Delta R.T. -0.07 min
Lab File: VL038368.D
Acq: 16 Feb 2022 15:54

Tgt Ion: 91 Resp: 37066
Ion Ratio Lower Upper
91 100
106 0.0 34.8 52.2#





#68

1-Bromo-4-Fluorobenzene

Concen: 10.83 ppbv

RT: 14.37

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

SVP-1

Acq: 16 Feb 2022 13:34

Tgt Ion:

Ion Ratio

95 100

174 61.

175 4.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/17/2022

Supervised By :Mahesh Dadoda 02/21/2022

