

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL030922\
 Data File : VL038578.D
 Acq On : 9 Mar 2022 16:28
 Operator : SY/AP
 Sample : N1702-03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-1

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 03/10/2022
 Supervised By : Mahesh Dadoda 03/14/2022

Quant Time: Mar 10 21:04:42 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030822A
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument:
 QLast Update : Tue Mar 08 21:18:44 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	728429	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.18	114	2128791	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.09	117	1880766	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	1409060	9.85	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.50%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.06	85	17607	0.16	ppbv	98
4) Chloromethane	3.15	50	26961	0.57	ppbv	93
9) Propene	3.03	41	86153	1.90	ppbv	85
10) Heptane	8.13	43	507429	4.68	ppbv	97
11) Trichlorofluoromethane	3.96	101	27478	0.28	ppbv	100
13) Ethanol	3.61	45	1001725	192.41	ppbv	93
15) Acetone	3.85	43	10625397	206.79	ppbv	90
19) Isopropyl Alcohol	3.98	45	549511	16.02	ppbv #	92
20) Methylene Chloride	4.36	84	756699	24.47	ppbv	99
26) Hexane	5.70	57	6171900	75.95	ppbv #	44
29) Chloroform	5.76	83	22317m	0.18	ppbv	
30) Cyclohexane	7.14	84	93795	1.33	ppbv #	83
34) 2-Butanone	5.26	43	131690	2.39	ppbv	96
35) Carbon Tetrachloride	7.03	117	8508m	0.06	ppbv	
36) Benzene	6.90	78	121546	0.63	ppbv #	94
37) 1,2-Dichloroethane	6.32	62	10554	0.11	ppbv #	84
41) Tetrahydrofuran	6.06	42	50917	1.13	ppbv	98
44) 2,2,4-Trimethylpentane	7.87	57	39227m	0.12	ppbv	
52) Tetrachloroethene	11.23	164	4767m	0.07	ppbv	
53) Toluene	9.82	91	10394626	50.69	ppbv	91
58) Ethyl Benzene	12.72	91	41056	0.17	ppbv	99
59) m/p-Xylene	12.97	91	122721m	0.59	ppbv	
60) o-Xylene	13.70	91	41467m	0.21	ppbv	

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

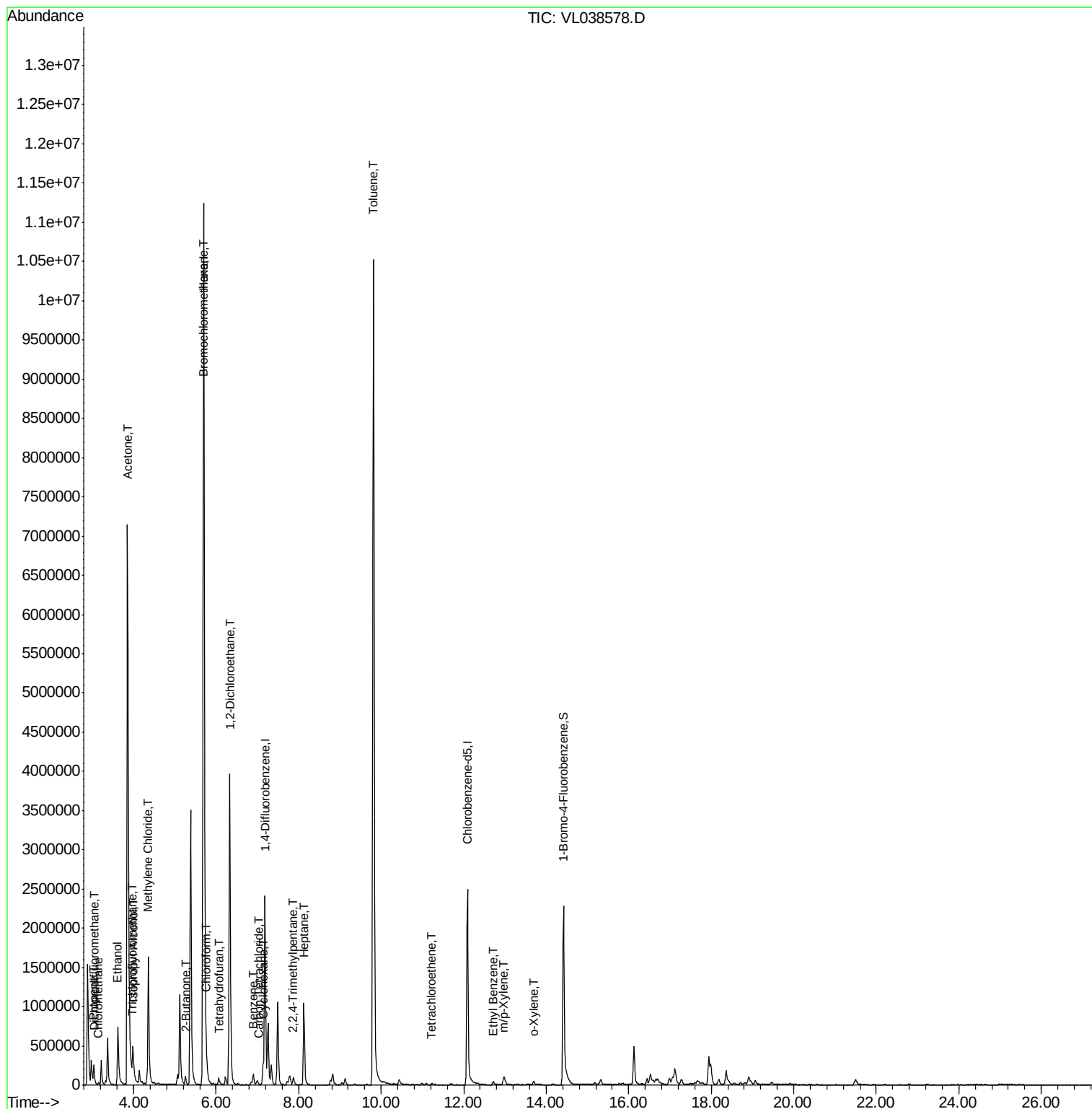
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL030922\
Data File : VL038578.D
Acq On : 9 Mar 2022 16:28
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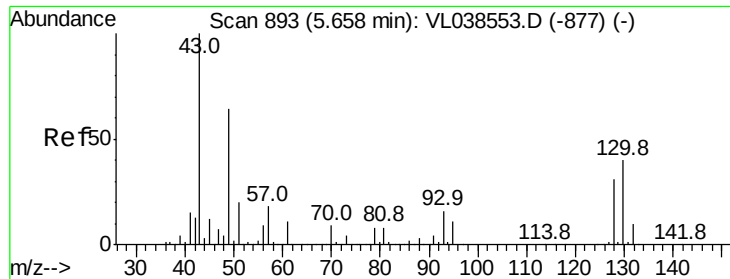
Instrument :
MSVOA_L
ClientSampleId :
IA-1

Quant Time: Mar 10 21:04:42 2022
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL030822.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
QLast Update : Tue Mar 08 21:18:44 2022
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Manual Integrations
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Reviewed By :Semsettin Yesilyurt 03/10/2022
Supervised By :Mahesh Dadoda 03/14/2022





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.67 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 9 Mar 2022 16:28

Tgt Ion:

Ion Ratio

49 100

128 50.

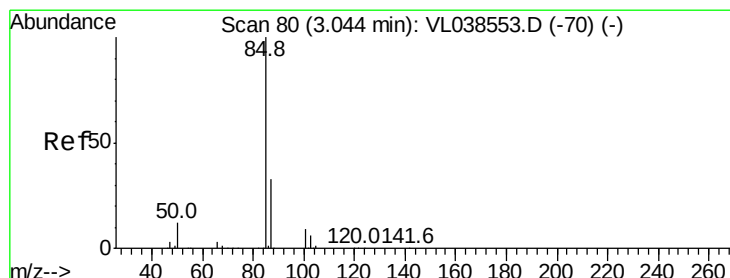
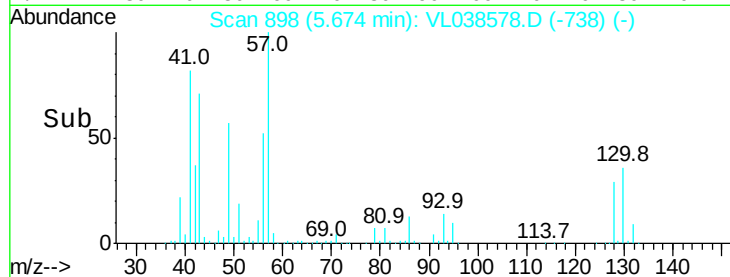
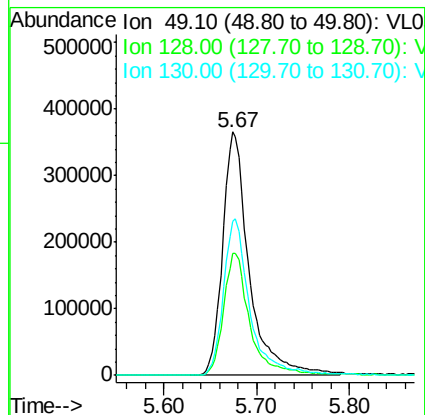
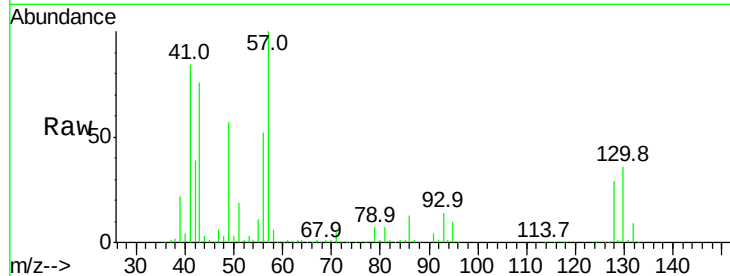
130 64.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/10/2022

Supervised By :Mahesh Dadoda 03/14/2022



#2

Dichlorodifluoromethane

Concen: 0.16 ppbv

RT: 3.06 min Scan# 84

Delta R.T. 0.01 min

Lab File: VL038578.D

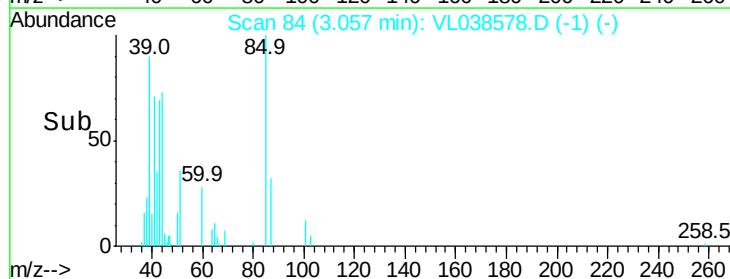
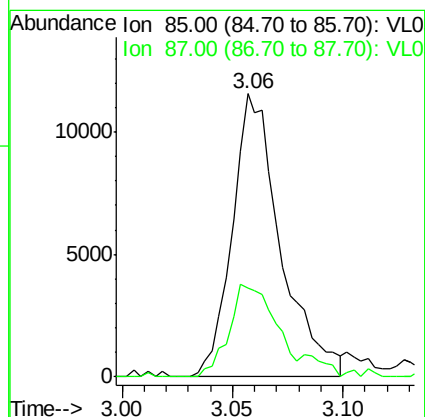
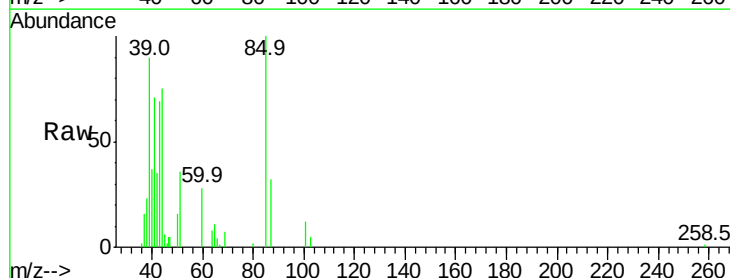
Acq: 9 Mar 2022 16:28

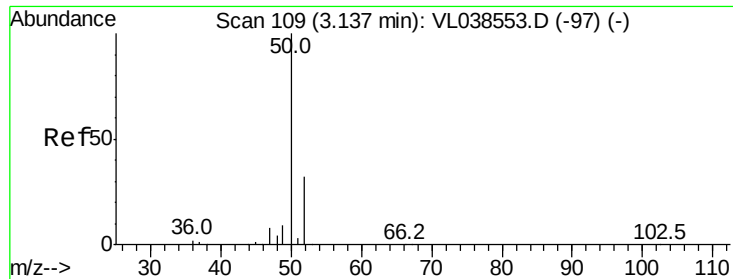
Tgt Ion: 85 Resp: 17607

Ion Ratio Lower Upper

85 100

87 31.5 26.2 39.2





#4

Chloromethane

Concen: 0.57 ppbv

RT: 3.15 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId :

Acq: 9 Mar 2022 16:28

Tgt Ion:

Ion Ratio

50 100

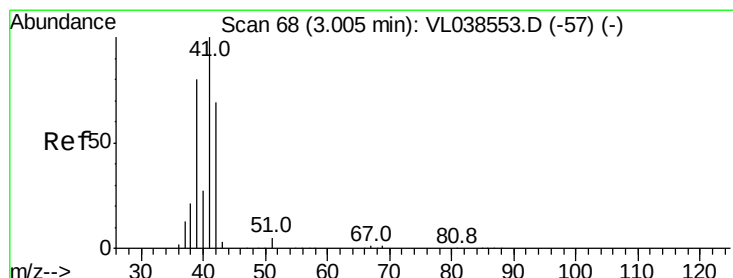
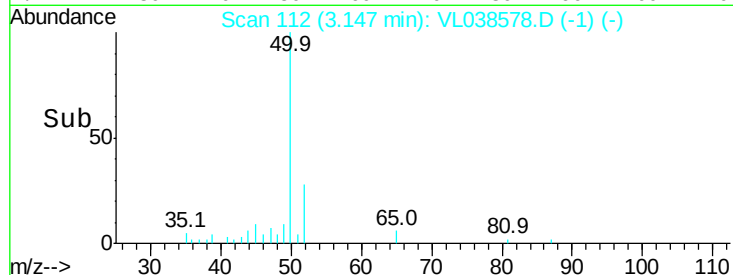
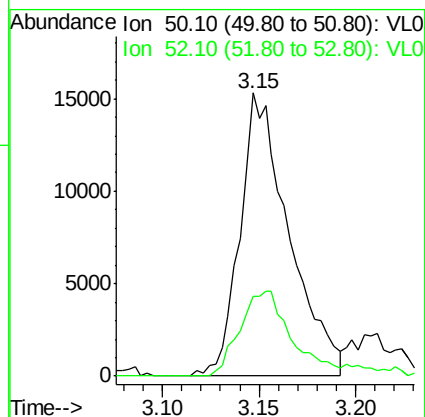
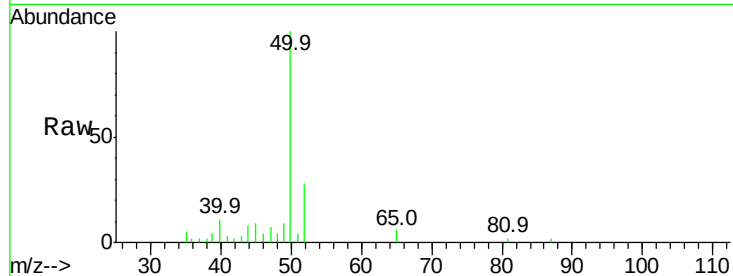
52 28.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/10/2022

Supervised By :Mahesh Dadoda 03/14/2022



#9

Propene

Concen: 1.90 ppbv

RT: 3.03 min Scan# 76

Delta R.T. 0.03 min

Lab File: VL038578.D

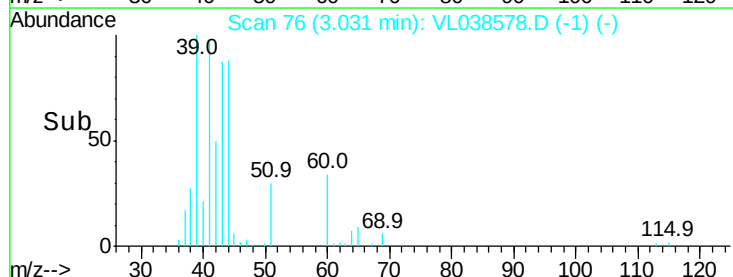
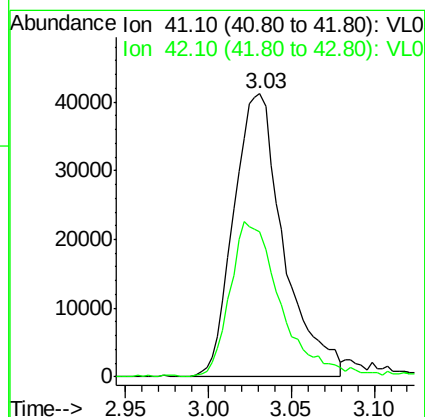
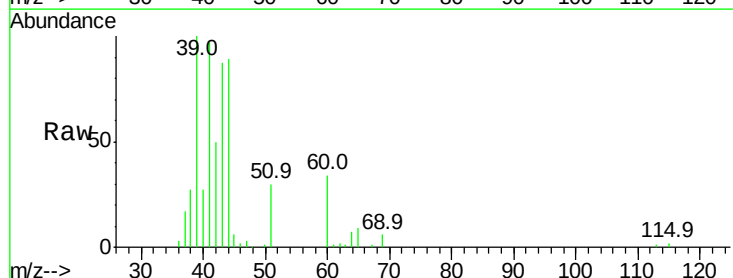
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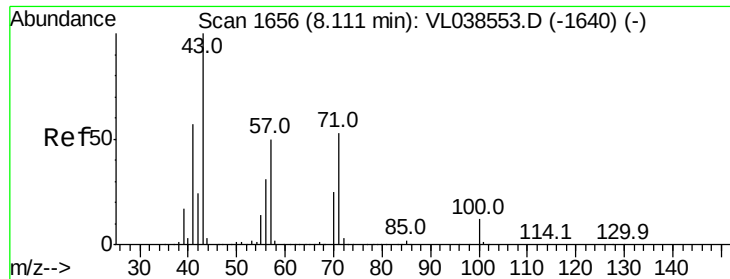
Tgt Ion: 41 Resp: 86153

Ion Ratio Lower Upper

41 100

42 57.1 55.7 83.5





#10

Heptane

Concen: 4.68 ppbv

RT: 8.13 Instrument: MSVOA_1

Delta R.T. 0.01 min

Lab File: ClientSampleId: A-1

Acq: 9 Mar 2022 16:28

Tgt Ion:

Ion Ratio

43 100

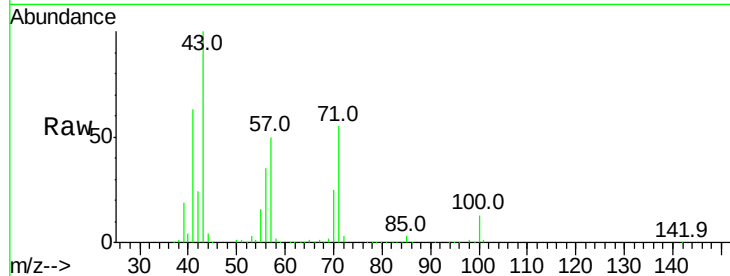
57 51.

Manual Integrations

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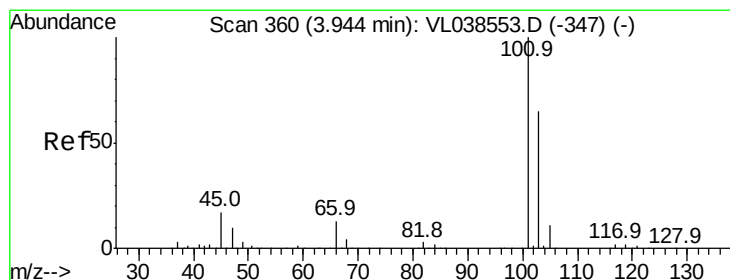
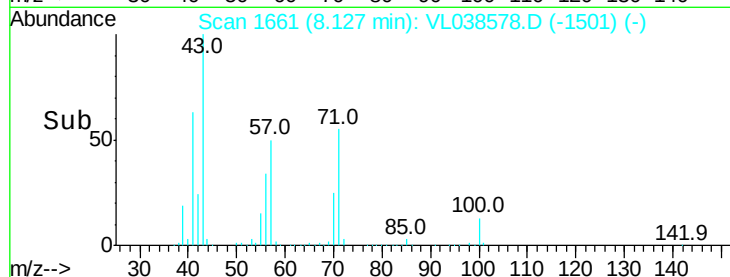
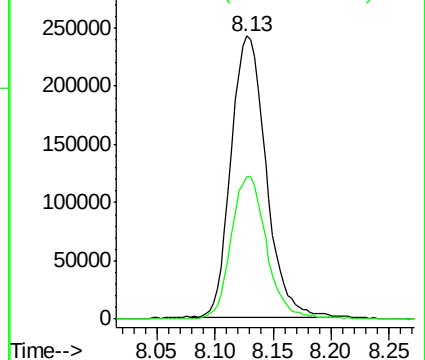
Reviewed By :Semsettin Yesilyurt 03/10/2022

Supervised By :Mahesh Dadoda 03/14/2022



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#11

Trichlorofluoromethane

Concen: 0.28 ppbv

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VL038578.D

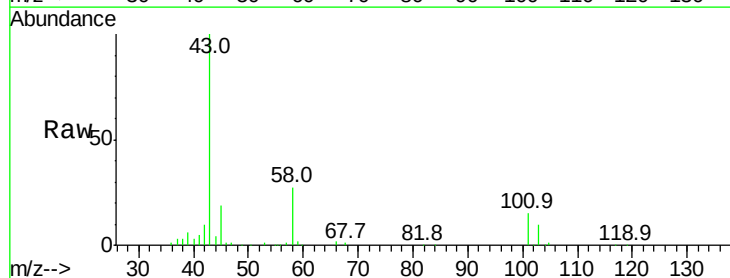
Acq: 9 Mar 2022 16:28

Tgt Ion:101 Resp: 27478

Ion Ratio Lower Upper

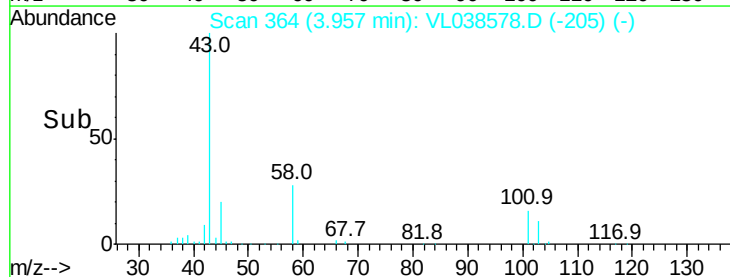
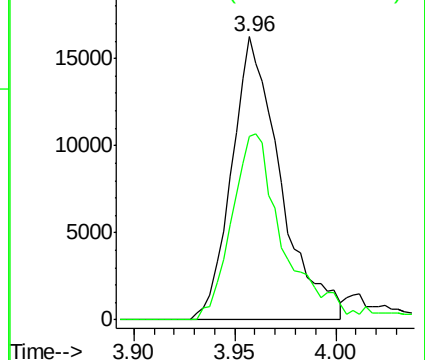
101 100

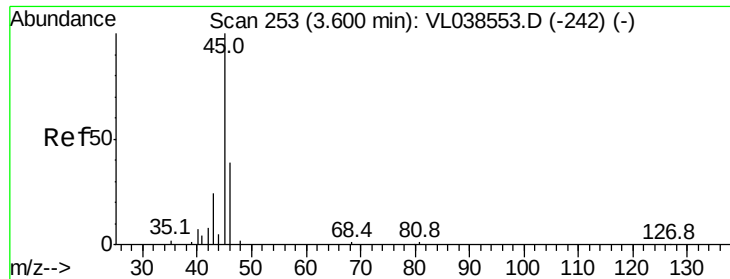
103 64.9 52.0 78.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



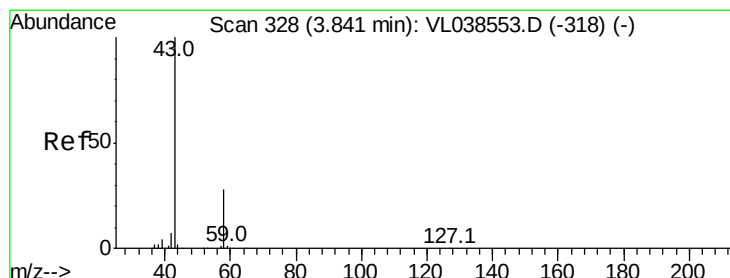
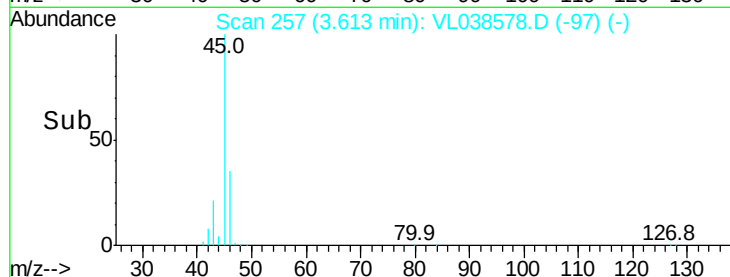
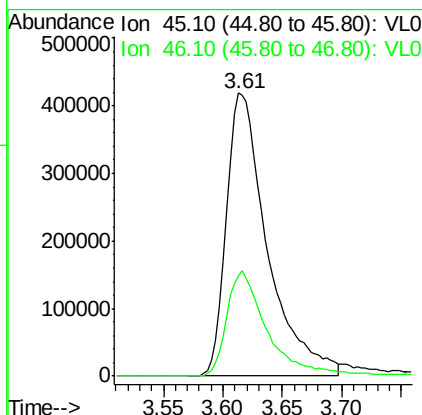
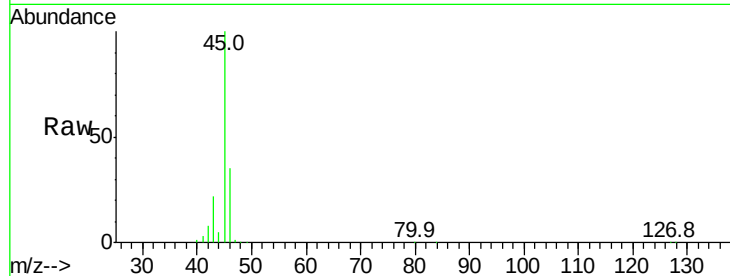


#13
Ethanol
Concen: 192.41 ppbv
RT: 3.61
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 9 Mar 2022 16:28

Tgt Ion:
Ion Ratio
45 100
46 37.

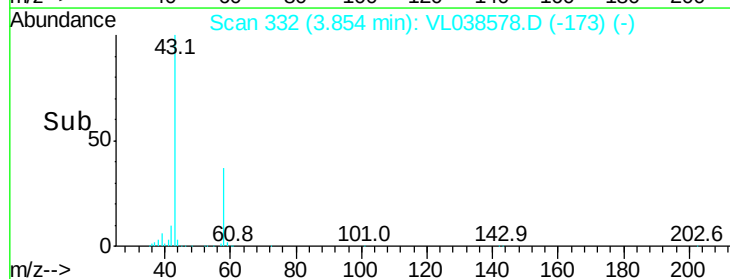
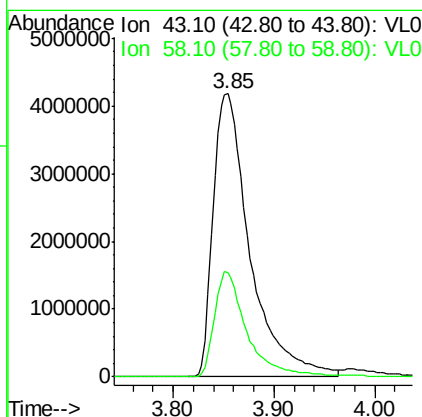
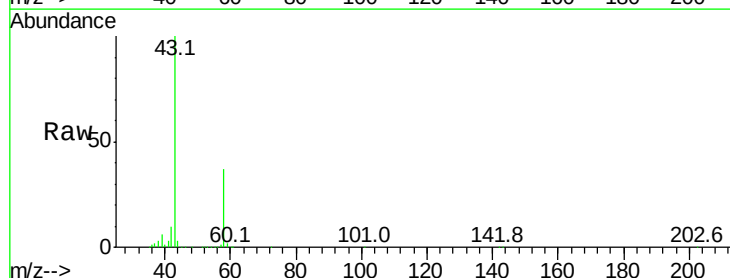
Manual Integrations
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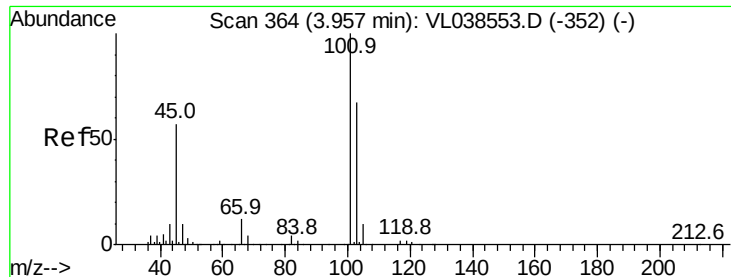
Reviewed By :Semsettin Yesilyurt 03/10/2022
Supervised By :Mahesh Dadoda 03/14/2022



#15
Acetone
Concen: 206.79 ppbv
RT: 3.85 min Scan# 332
Delta R.T. 0.01 min
Lab File: VL038578.D
Acq: 9 Mar 2022 16:28

Tgt Ion: 43 Resp:10625397
Ion Ratio Lower Upper
43 100
58 33.7 22.7 34.1





#19

Isopropyl Alcohol

Concen: 16.02 ppbv

RT: 3.98 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 9 Mar 2022 16:28

Tgt Ion:

Ion Ratio

45 100

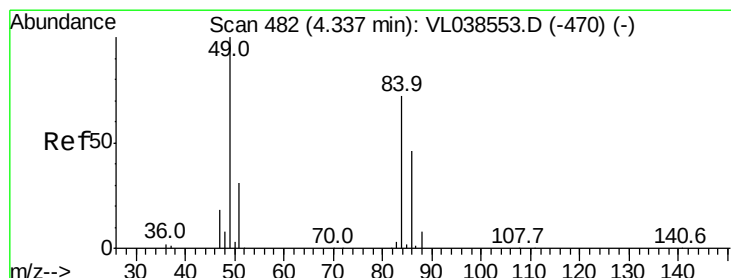
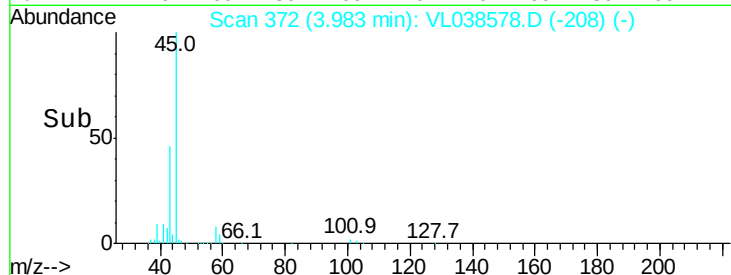
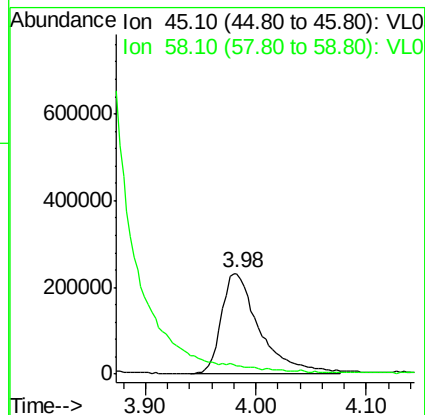
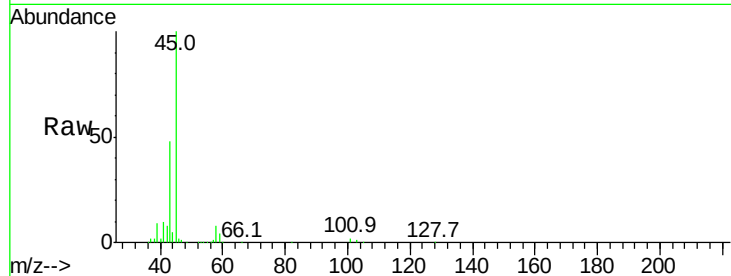
58 0.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/10/2022

Supervised By :Mahesh Dadoda 03/14/2022



#20

Methylene Chloride

Concen: 24.47 ppbv

RT: 4.36 min Scan# 488

Delta R.T. 0.02 min

Lab File: VL038578.D

Acq: 9 Mar 2022 16:28

Tgt Ion: 84 Resp: 756699

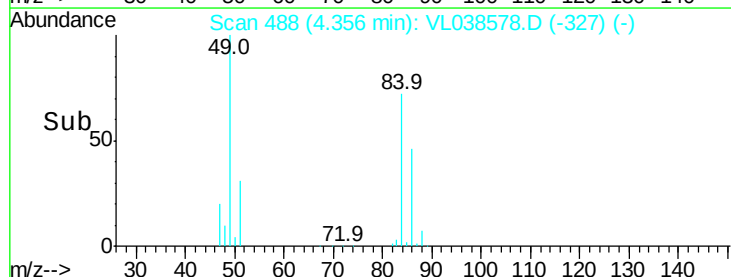
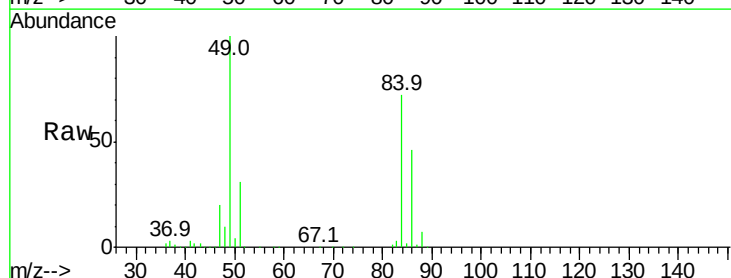
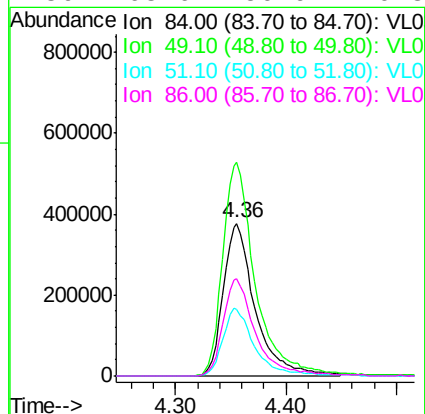
Ion Ratio Lower Upper

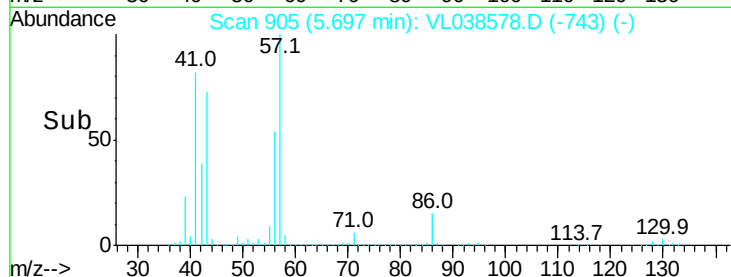
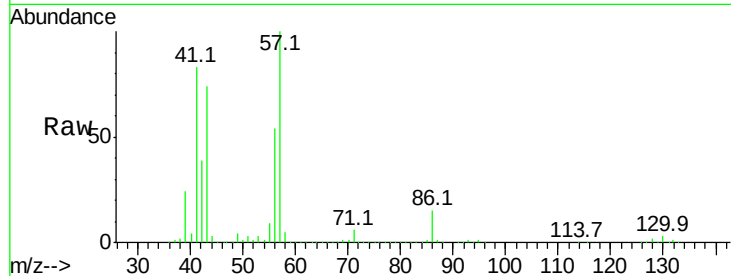
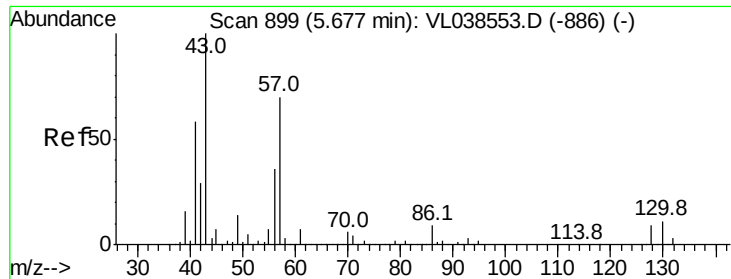
84 100

49 139.6 111.1 166.7

51 43.2 34.0 51.0

86 63.6 50.9 76.3



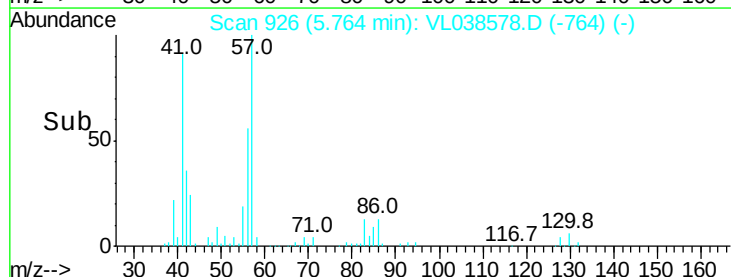
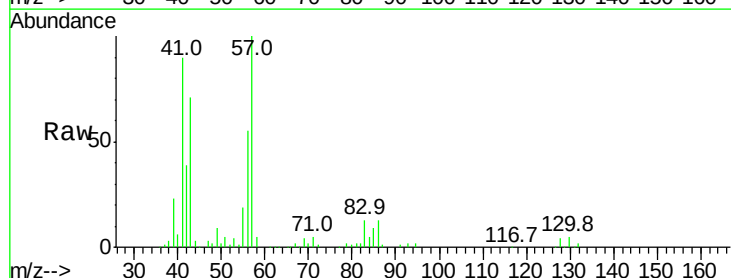
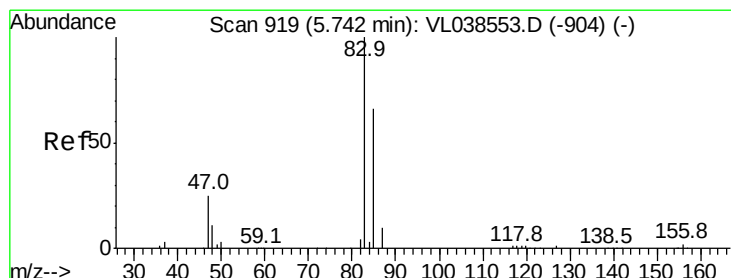
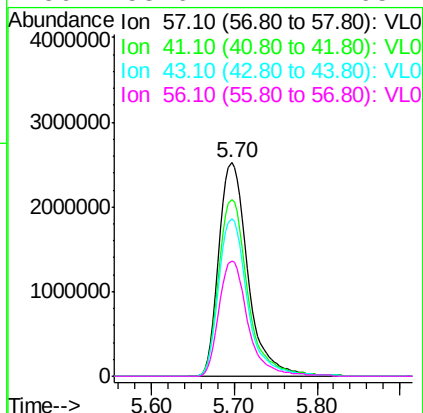


#26
Hexane
Concen: 75.95 ppbv
RT: 5.70
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 9 Mar 2022 16:28

Tgt Ion:
Ion Ratio
57 100
41 82.
43 73.
56 53.6 42.2 63.2

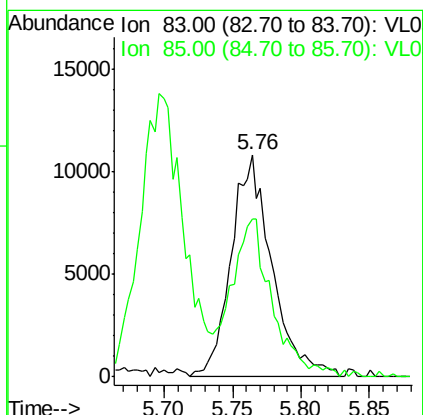
Manual Integrations
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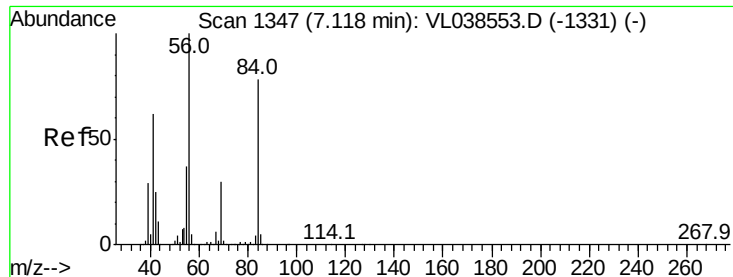
Reviewed By :Semsettin Yesilyurt 03/10/2022
Supervised By :Mahesh Dadoda 03/14/2022



#29
Chloroform
Concen: 0.18 ppbv m
RT: 5.76 min Scan# 926
Delta R.T. 0.02 min
Lab File: VL038578.D
Acq: 9 Mar 2022 16:28

Tgt Ion: 83 Resp: 22317
Ion Ratio Lower Upper
83 100
85 71.0 52.8 79.2



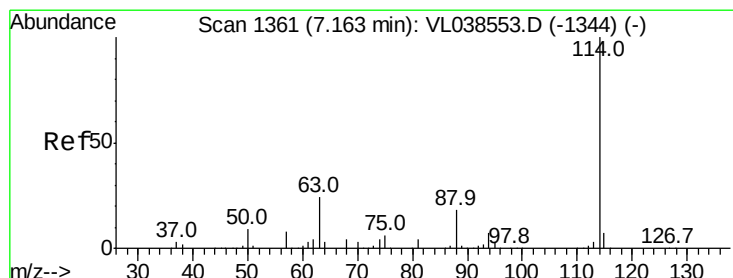
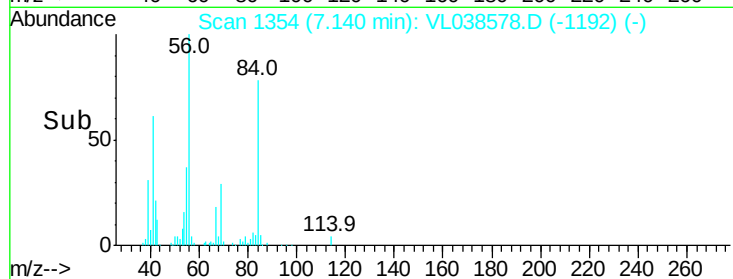
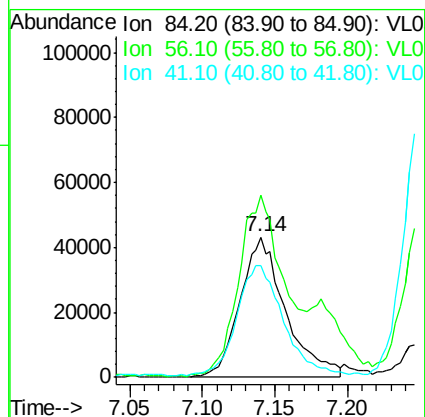
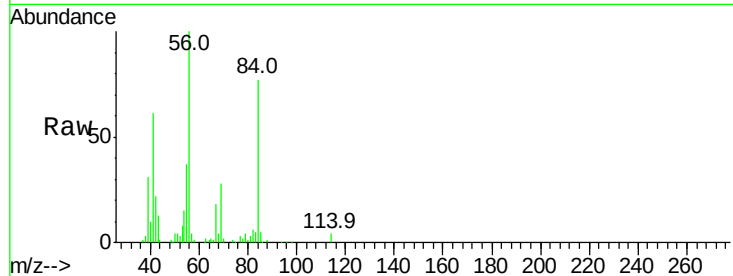


#30
Cyclohexane
Concen: 1.33 ppbv
RT: 7.14
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 9 Mar 2022 16:28

Tgt Ion:
Ion Ratio
84 100
56 169.
41 79.

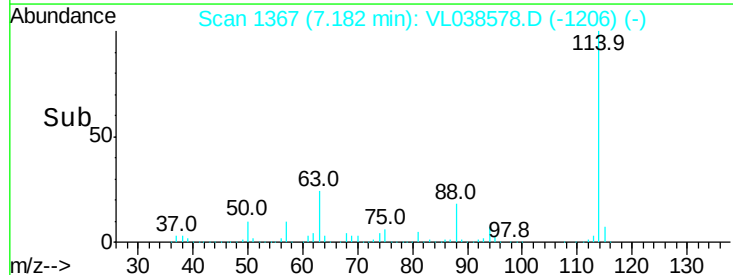
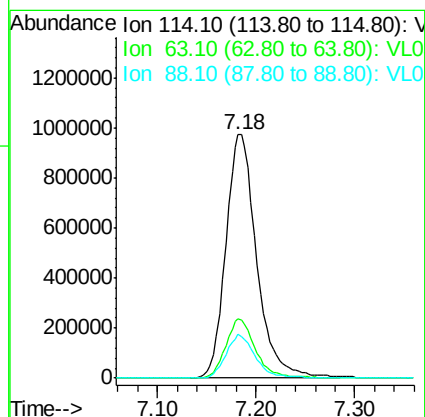
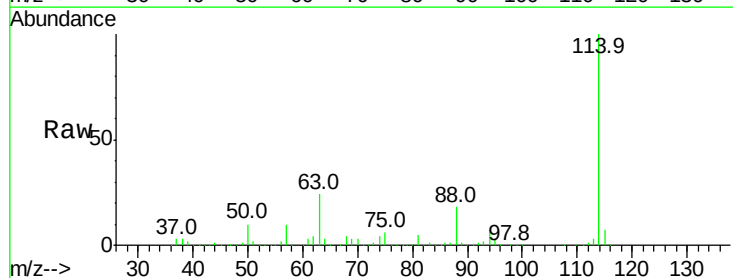
Manual Integrations
APPROVED

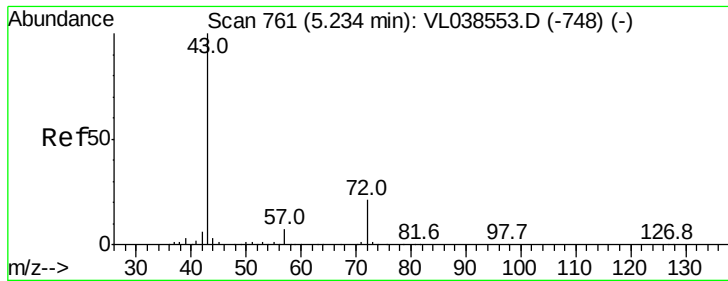
Reviewed By :Semsettin Yesilyurt 03/10/2022
Supervised By :Mahesh Dadoda 03/14/2022



#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.18 min Scan# 1367
Delta R.T. 0.02 min
Lab File: VL038578.D
Acq: 9 Mar 2022 16:28

Tgt Ion:114 Resp: 2128791
Ion Ratio Lower Upper
114 100
63 23.8 19.6 29.4
88 17.2 13.9 20.9





#34

2-Butanone

Concen: 2.39 ppbv

RT: 5.26

Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId :

Acq: 9 Mar 2022 16:28

Tgt Ion:

Ion Ratio

43 100

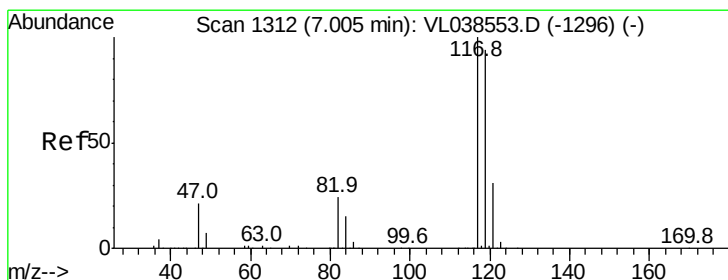
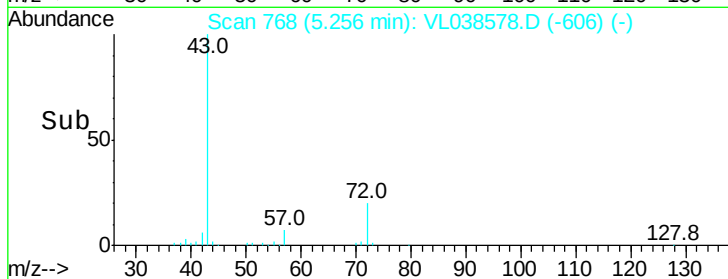
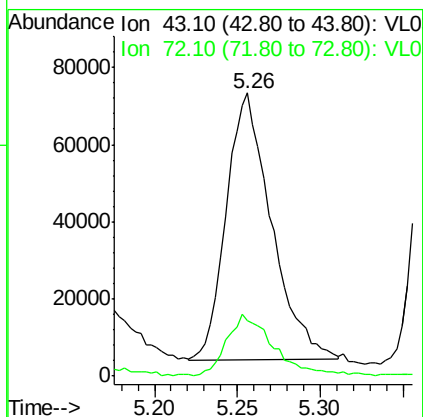
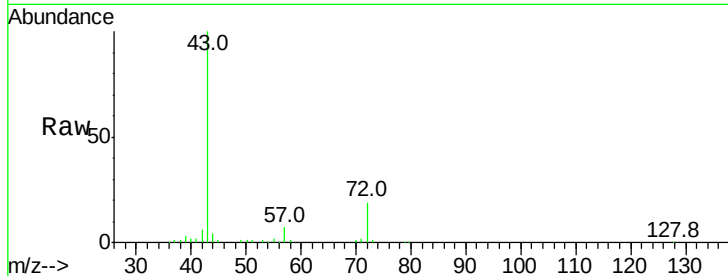
72 23.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/10/2022

Supervised By :Mahesh Dadoda 03/14/2022



#35

Carbon Tetrachloride

Concen: 0.06 ppbv m

RT: 7.03 min Scan# 1320

Delta R.T. 0.03 min

Lab File: VL038578.D

Acq: 9 Mar 2022 16:28

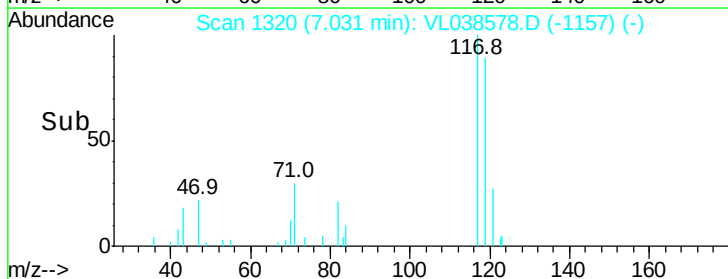
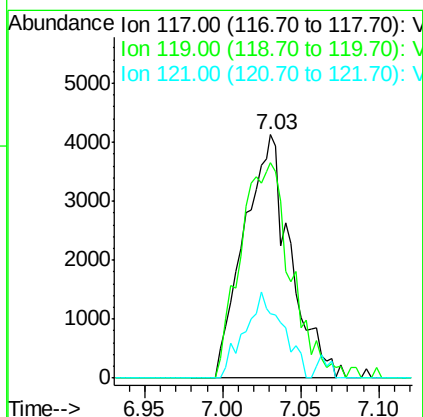
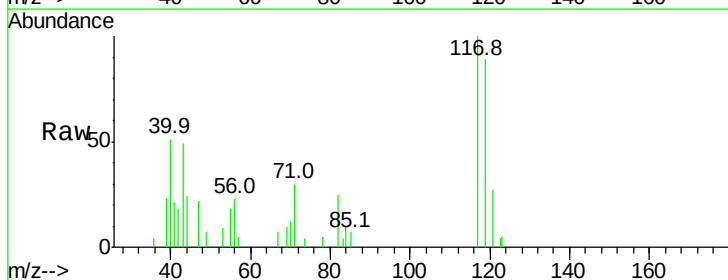
Tgt Ion:117 Resp: 8508

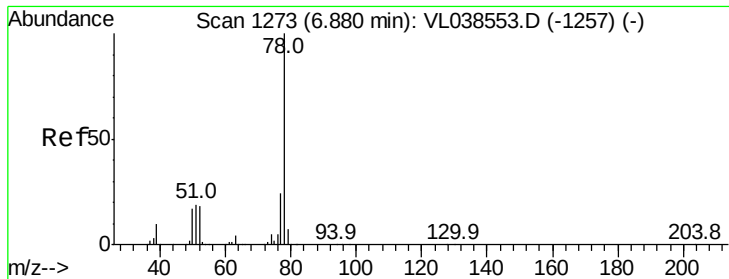
Ion Ratio Lower Upper

117 100

119 88.6 75.2 112.8

121 26.7 24.8 37.2





#36

Benzene

Concen: 0.63 ppbv

RT: 6.90 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 9 Mar 2022 16:28

Tgt Ion:

Ion Ratio

78 100

77 21.

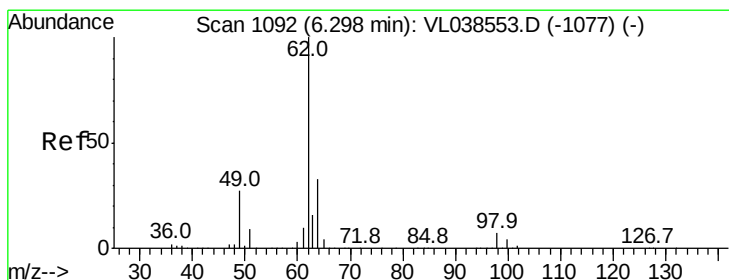
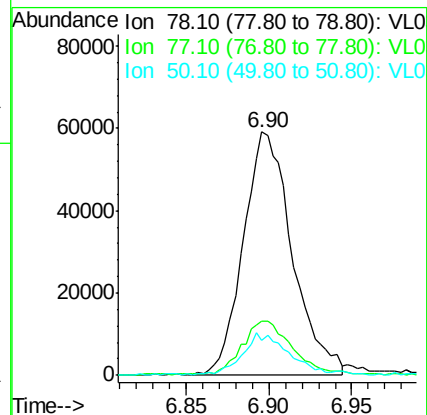
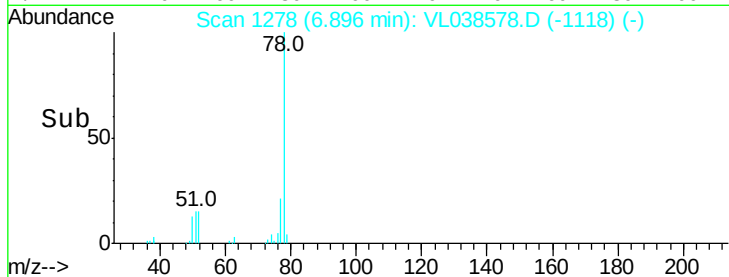
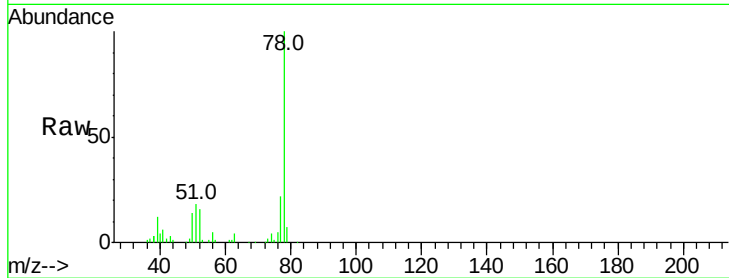
50 13.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/10/2022

Supervised By :Mahesh Dadoda 03/14/2022



#37

1,2-Dichloroethane

Concen: 0.11 ppbv

RT: 6.32 min Scan# 1098

Delta R.T. 0.02 min

Lab File: VL038578.D

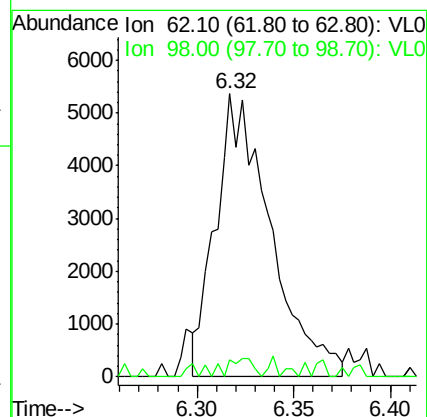
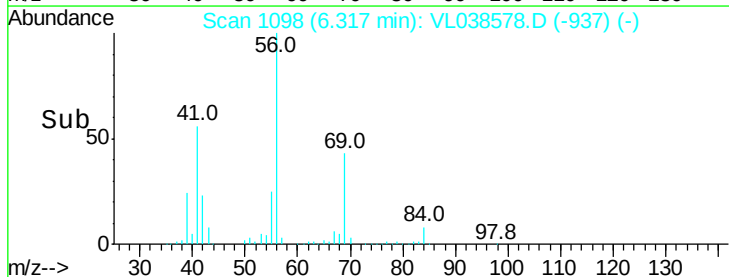
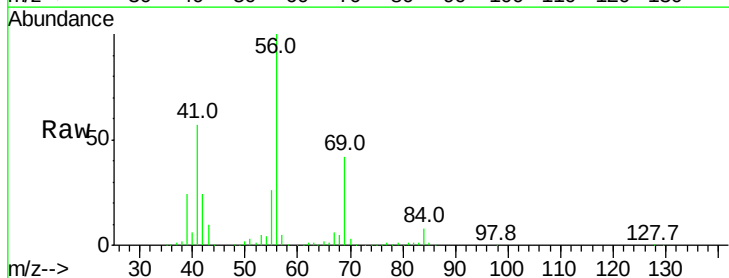
Acq: 9 Mar 2022 16:28

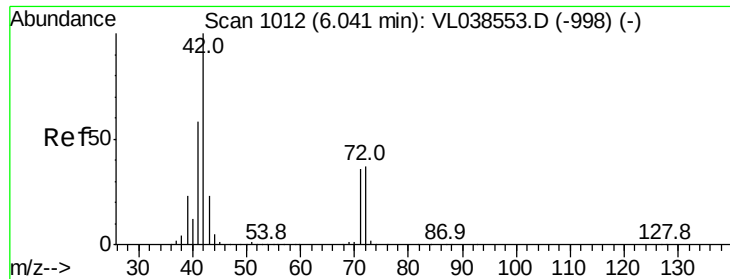
Tgt Ion: 62 Resp: 10554

Ion Ratio Lower Upper

62 100

98 1.6 5.7 8.5#





#41

Tetrahydrofuran

Concen: 1.13 ppbv

RT: 6.06 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 9 Mar 2022 16:28

Tgt Ion:

Ion Ratio

42 100

72 37.

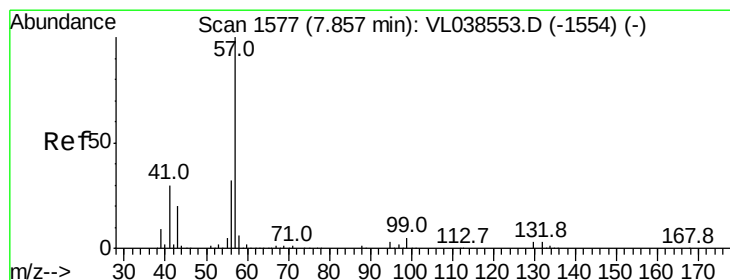
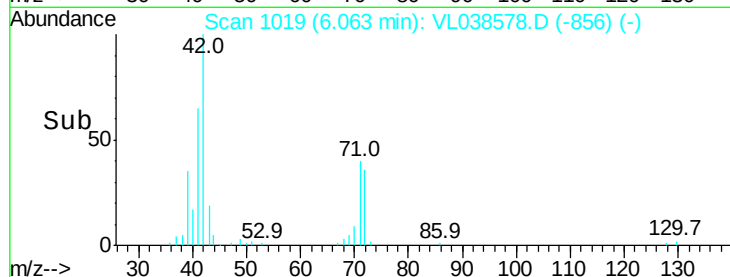
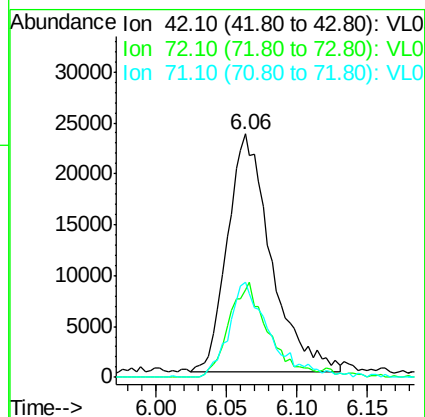
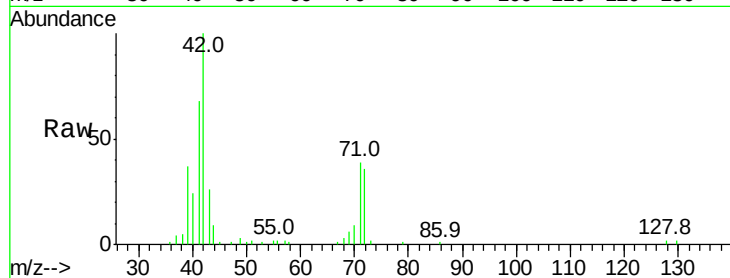
71 37.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/10/2022

Supervised By :Mahesh Dadoda 03/14/2022



#44

2,2,4-Trimethylpentane

Concen: 0.12 ppbv m

RT: 7.87 min Scan# 1581

Delta R.T. 0.01 min

Lab File: VL038578.D

Acq: 9 Mar 2022 16:28

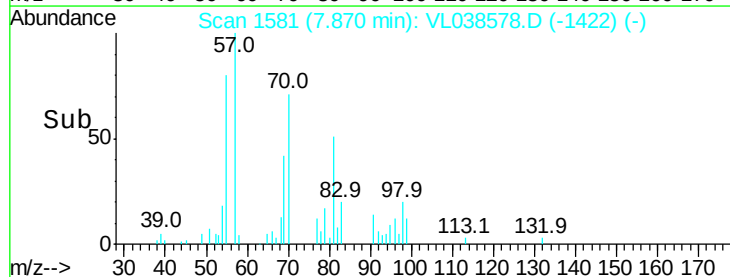
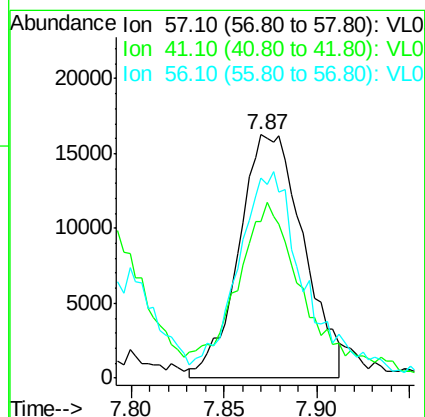
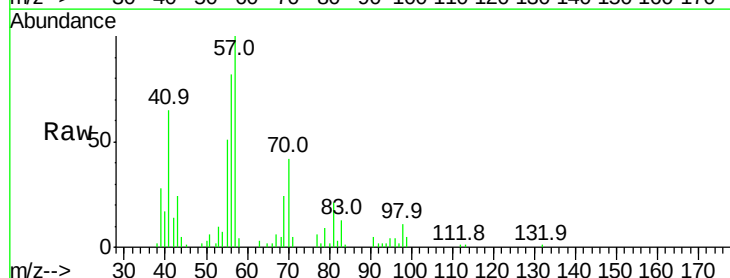
Tgt Ion: 57 Resp: 39227

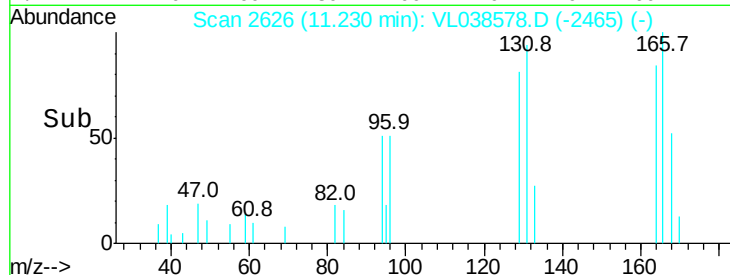
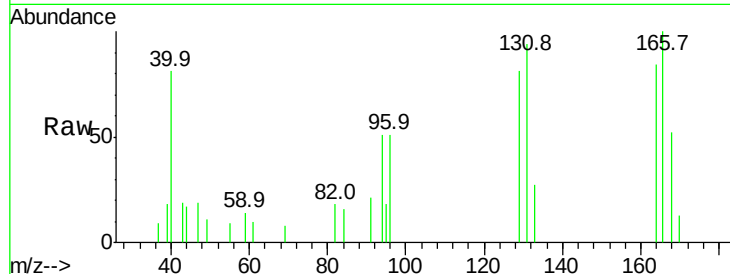
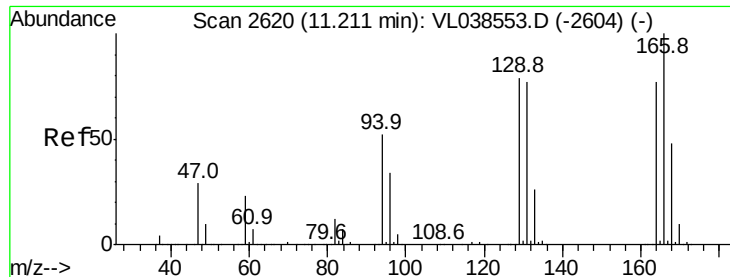
Ion Ratio Lower Upper

57 100

41 75.6 24.0 36.0#

56 92.0 25.6 38.4#





#52

Tetrachloroethene

Concen: 0.07 ppbv m

RT: 11.23

Delta R.T. MSVOA_L

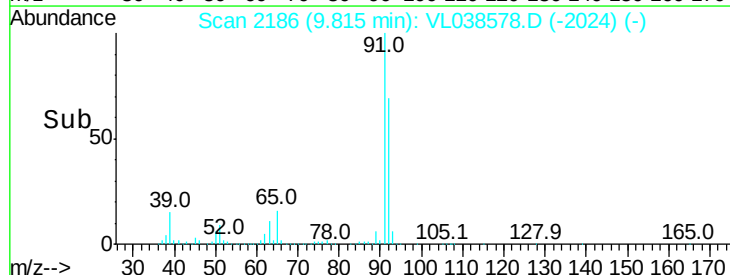
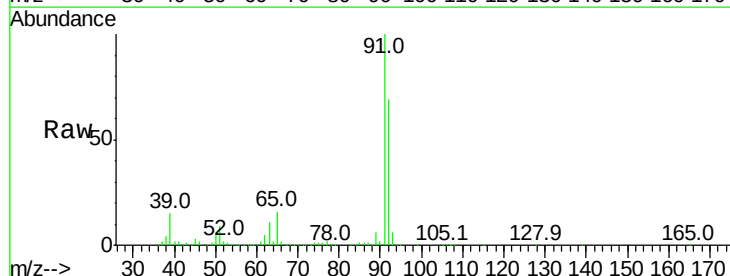
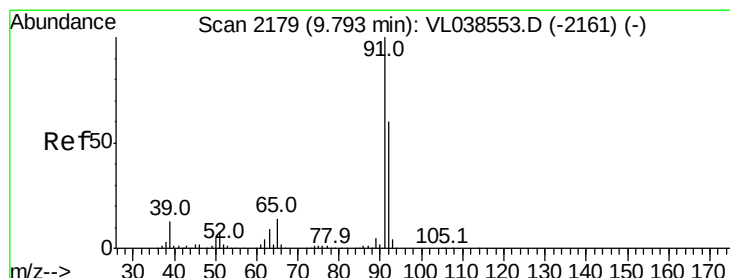
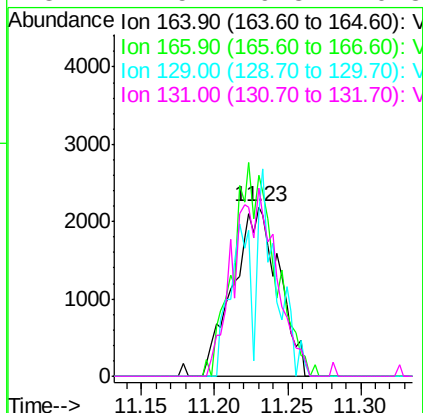
Lab File: ClientSampleId :

Acq: 9 Mar 2022 16:28

Tgt Ion:1
Ion Rati
164 100
166 119.
129 96.
131 111.5 79.8 119.8

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Reviewed By :Semsettin Yesilyurt 03/10/2022
Supervised By :Mahesh Dadoda 03/14/2022



#53

Toluene

Concen: 50.69 ppbv

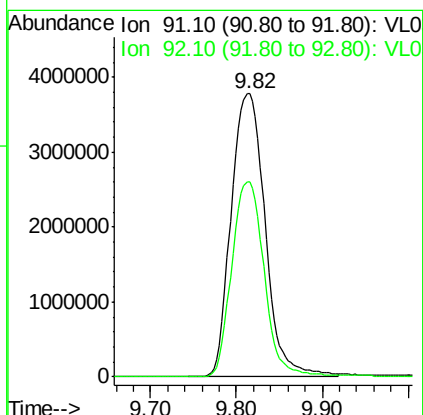
RT: 9.82 min Scan# 2186

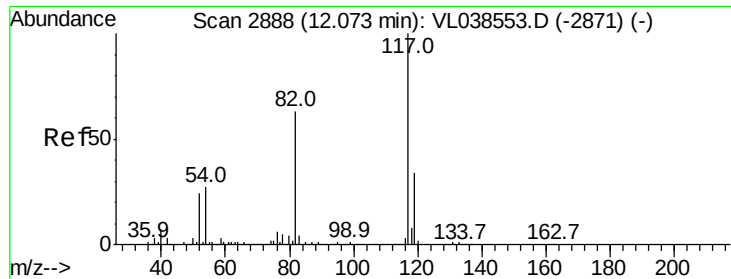
Delta R.T. 0.02 min

Lab File: VL038578.D

Acq: 9 Mar 2022 16:28

Tgt Ion: 91 Resp:10394626
Ion Ratio Lower Upper
91 100
92 66.9 48.1 72.1



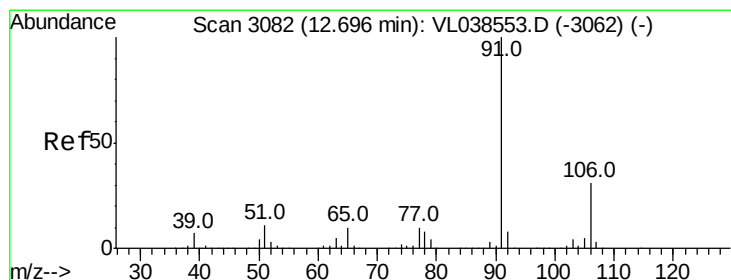
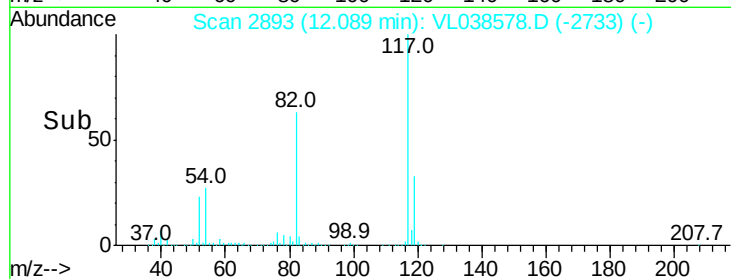
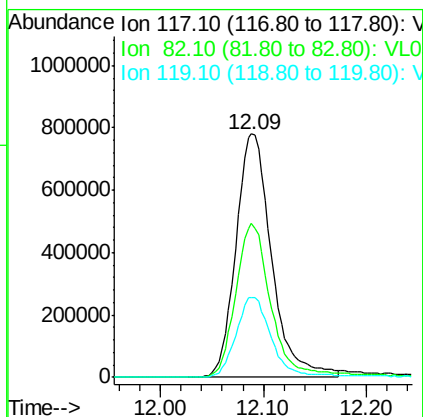
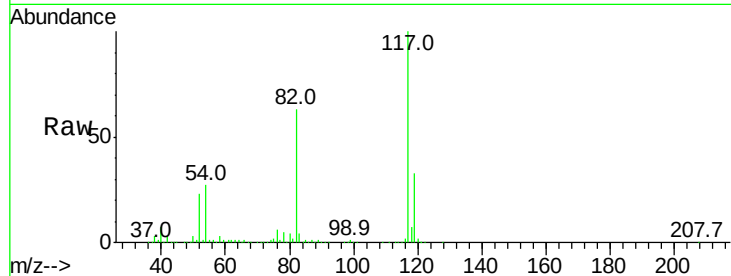


#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.09 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 9 Mar 2022 16:28

Tgt Ion: 1
Ion Ratio
117 100
82 64.
119 34.

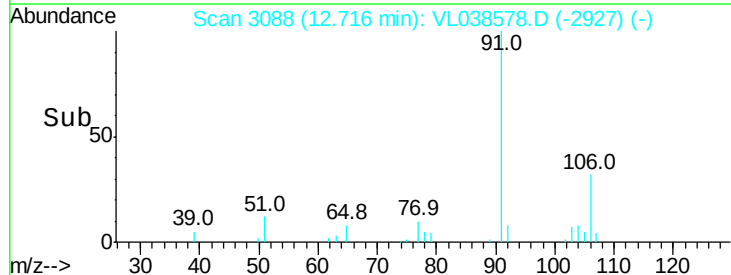
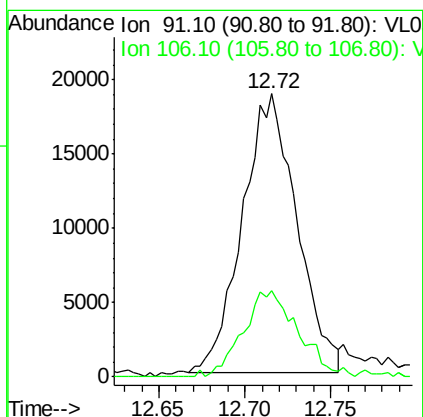
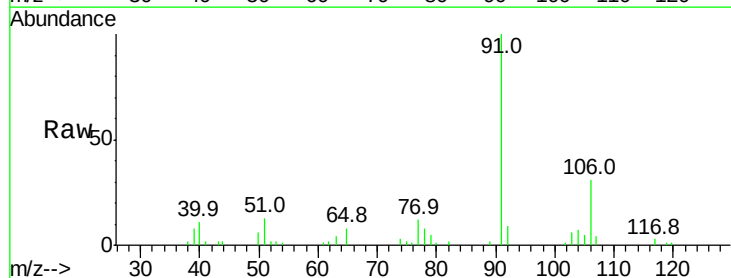
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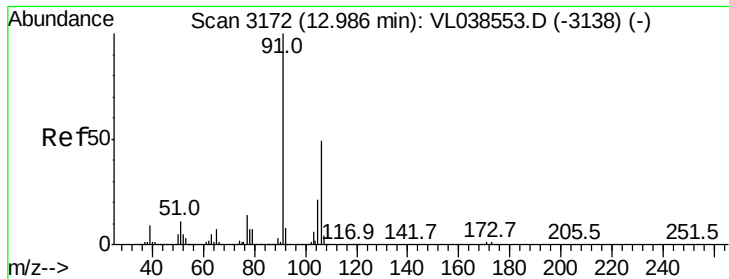
Reviewed By :Semsettin Yesilyurt 03/10/2022
Supervised By :Mahesh Dadoda 03/14/2022



#58
Ethyl Benzene
Concen: 0.17 ppbv
RT: 12.72 min Scan# 3088
Delta R.T. 0.02 min
Lab File: VL038578.D
Acq: 9 Mar 2022 16:28

Tgt Ion: 91 Resp: 41056
Ion Ratio Lower Upper
91 100
106 31.1 24.6 37.0



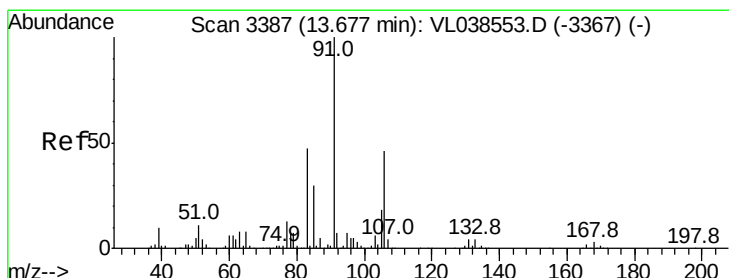
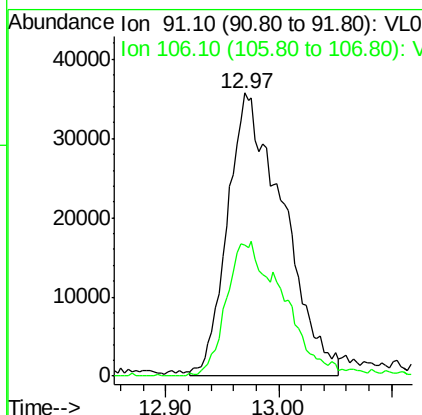
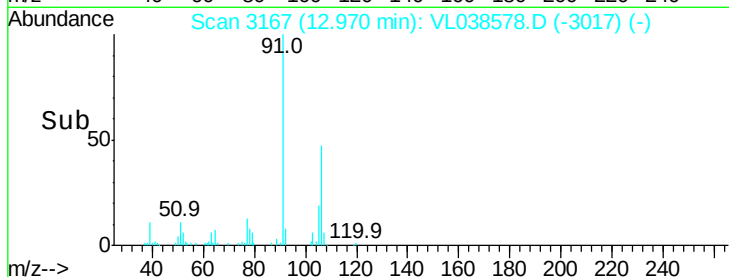
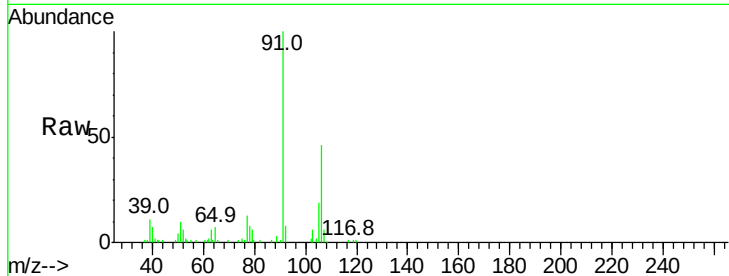


#59
m/p-Xylene
Concen: 0.59 ppbv m
RT: 12.97 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 9 Mar 2022 16:28

Tgt Ion:
Ion Ratio
91 100
106 0.

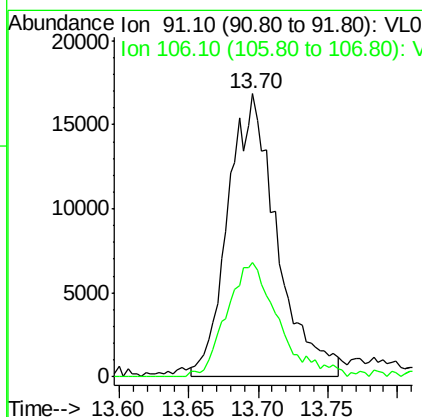
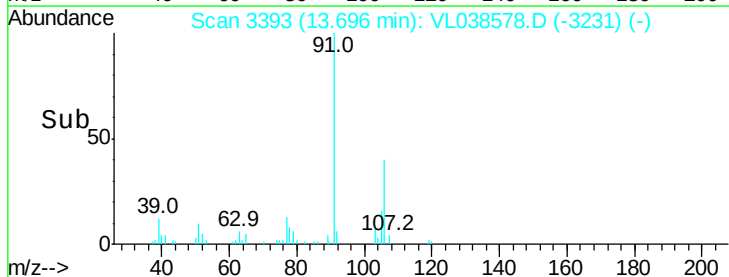
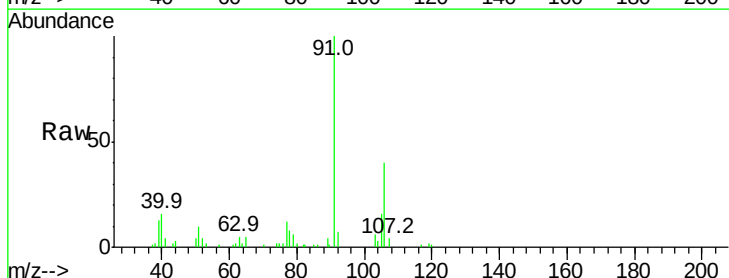
Manual Integrations
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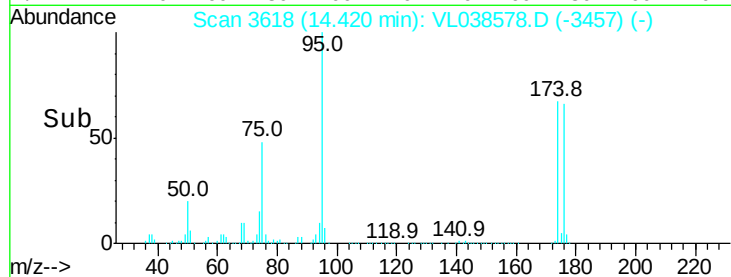
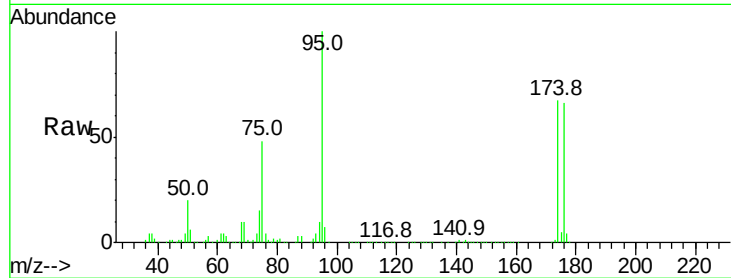
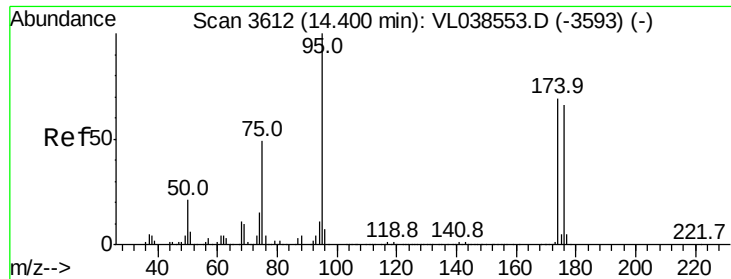
Reviewed By :Semsettin Yesilyurt 03/10/2022
Supervised By :Mahesh Dadoda 03/14/2022



#60
o-Xylene
Concen: 0.21 ppbv m
RT: 13.70 min Scan# 3393
Delta R.T. 0.02 min
Lab File: VL038578.D
Acq: 9 Mar 2022 16:28

Tgt Ion: 91 Resp: 41467
Ion Ratio Lower Upper
91 100
106 43.8 23.5 70.6





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.85 ppbv
 RT: 14.42
 Delta R.T
 Lab File: ClientSampleId :
 Acq: 9 Mar 2022 10:28

Tgt Ion:
 Ion Rati
 95 100
 174 71.
 175 5.

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 03/10/2022
 Supervised By :Mahesh Dadoda 03/14/2022

