

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040722\
 Data File : VL038855.D
 Acq On : 8 Apr 2022 00:06
 Operator : SY/AP
 Sample : N2273-06DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 1160-1-SG-3DL

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 04/09/2022
 Supervised By : Mahesh Dadoda 04/11/2022

Quant Time: Apr 08 09:36:08 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL040522A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Wed Apr 06 06:12:53 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.70	49	1194702	10.00	ppbv	0.04
33) 1,4-Difluorobenzene	7.21	114	3007706	10.00	ppbv	0.04
55) Chlorobenzene-d5	12.12	117	2700531	10.00	ppbv	0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	2130049	10.40	ppbv	0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.00%

Target Compounds

					Ovalue
9) Propene	3.05	41	1761276m	22.832	ppbv
10) Heptane	8.16	43	141996	0.731	ppbv 96
13) Ethanol	3.63	45	221912	47.336	ppbv # 100
15) Acetone	3.87	43	19549676	164.361	ppbv # 82
19) Isopropyl Alcohol	3.99	45	206859	3.403	ppbv # 100
20) Methylene Chloride	4.37	84	13094	0.304	ppbv # 60
26) Hexane	5.72	57	41117	0.299	ppbv # 73
30) Cyclohexane	7.17	84	23213	0.192	ppbv # 1
34) 2-Butanone	5.28	43	51843	0.436	ppbv 95
36) Benzene	6.93	78	27995m	0.102	ppbv
44) 2,2,4-Trimethylpentane	7.91	57	159834m	0.345	ppbv
50) 4-Methyl-2-Pentanone	8.78	43	166891	0.624	ppbv 93
52) Tetrachloroethene	11.26	164	12337m	0.129	ppbv
53) Toluene	9.84	91	249324	0.789	ppbv 99
58) Ethyl Benzene	12.74	91	468273	1.160	ppbv # 87
59) m/p-Xylene	13.00	91	1493985	4.407	ppbv 100
60) o-Xylene	13.72	91	498827	1.572	ppbv 94
72) 4-Ethyltoluene	15.86	105	128323	0.339	ppbv 97
73) 1,3,5-Trimethylbenzene	16.03	105	113901	0.335	ppbv 92
74) 1,2,4-Trimethylbenzene	16.79	105	351508m	0.977	ppbv

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

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040722\
Data File : VL038855.D
Acq On : 8 Apr 2022 00:06
Operator : SY/AP
Sample : N2273-06DL 10X
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
1160-1-SG-3DL

Manual Integrations
APPROVED

Quant Time: Apr 08 09:36:08 2022

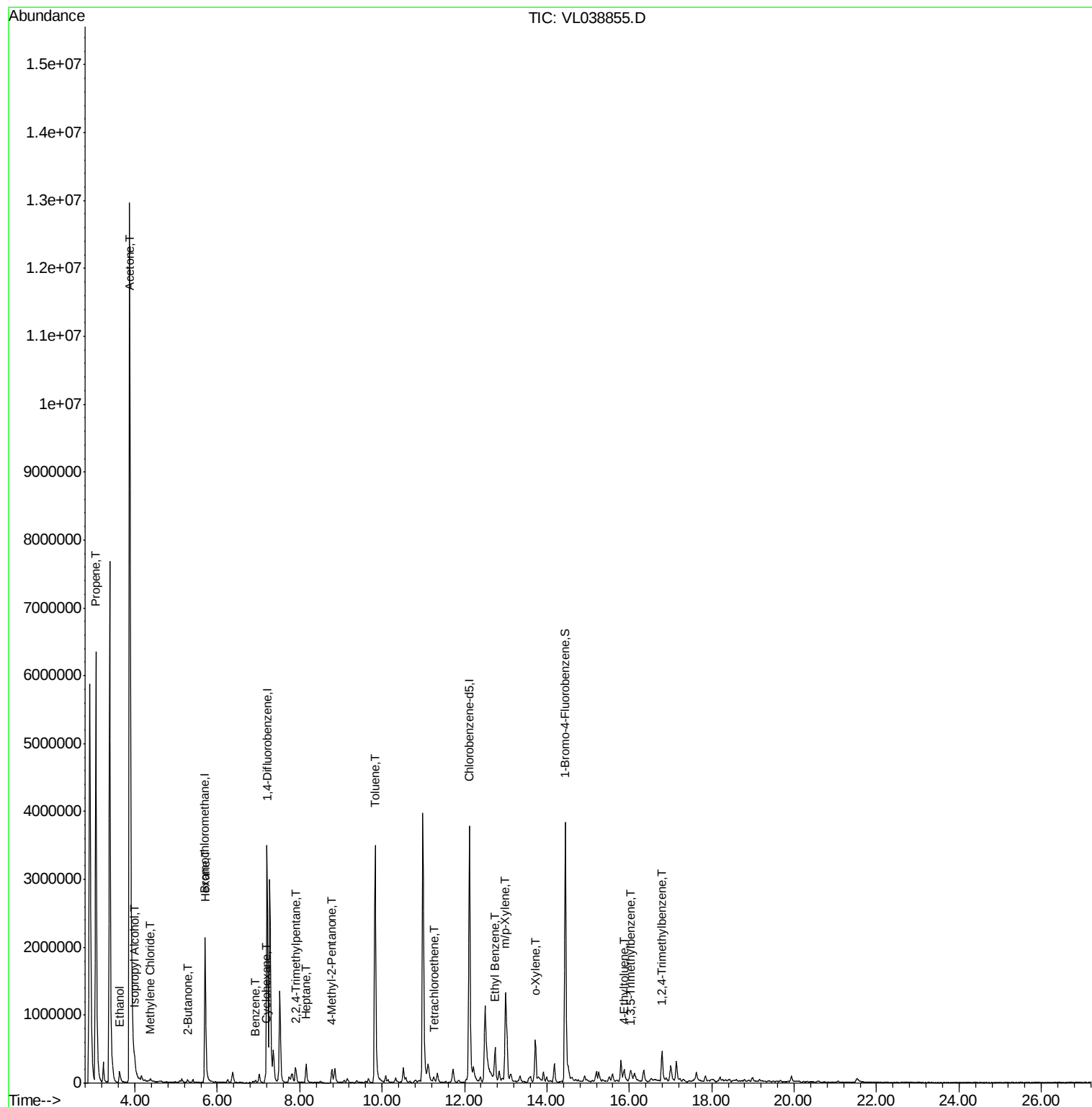
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL040522

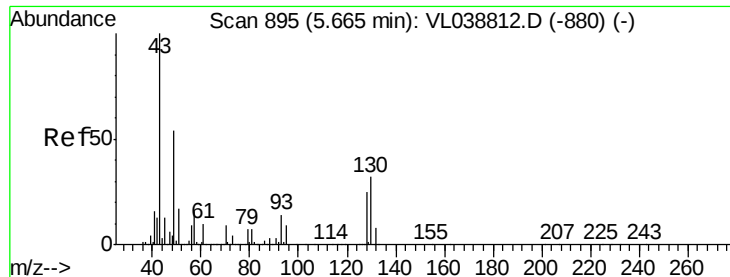
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:

QLast Update : Wed Apr 06 06:12:53 2022

Response via : Initial Calibration

Reviewed By :Semsettin Yesilyurt 04/09/2022
Supervised By :Mahesh Dadoda 04/11/2022





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.70 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 8 Apr 2022 00:00

Tot Ion:

Ion Ratio

49 100

128 46.

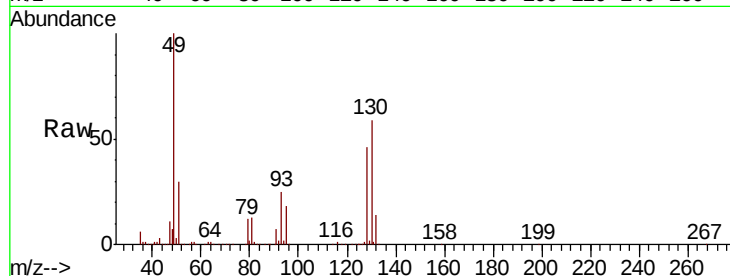
130 58.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/09/2022

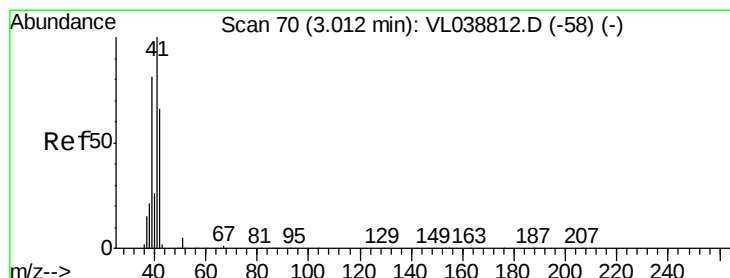
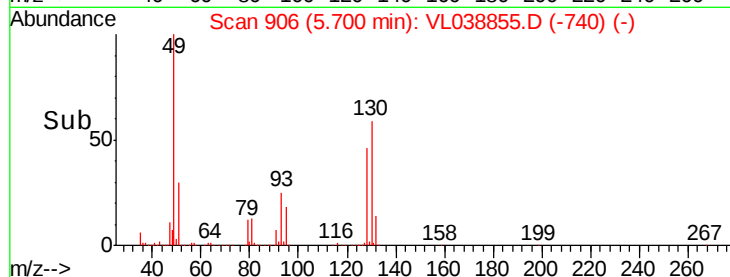
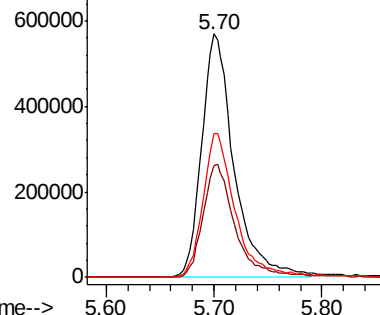
Supervised By :Mahesh Dadoda 04/11/2022



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#9

Propene

Concen: 22.832 ppbv m

RT: 3.05 min Scan# 82

Delta R.T. 0.04 min

Lab File: VL038855.D

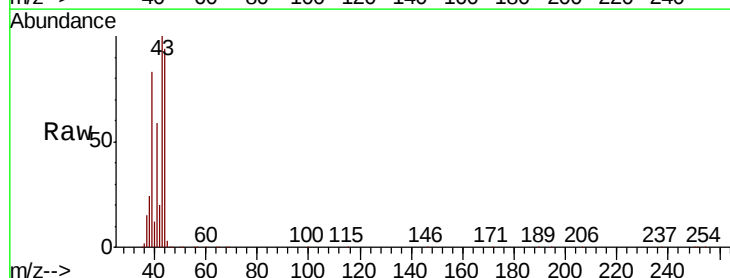
Acq: 8 Apr 2022 00:06

Tgt Ion: 41 Resp: 1761276

Ion Ratio Lower Upper

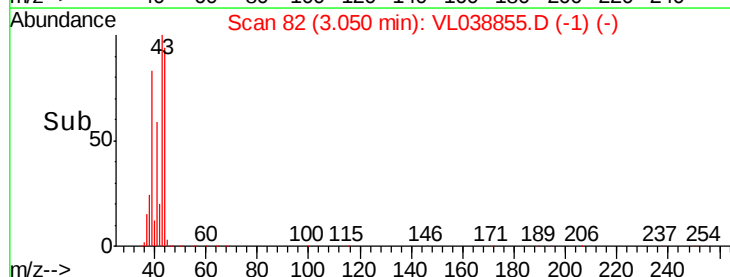
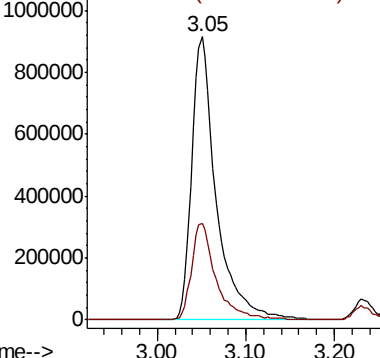
41 100

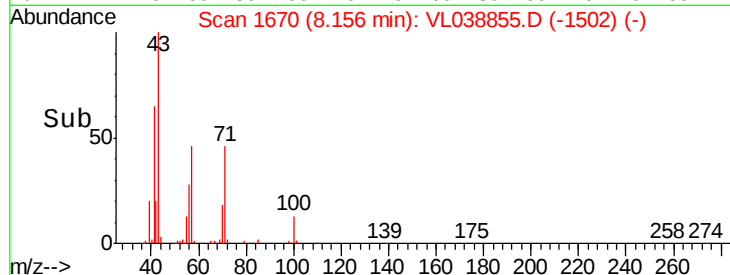
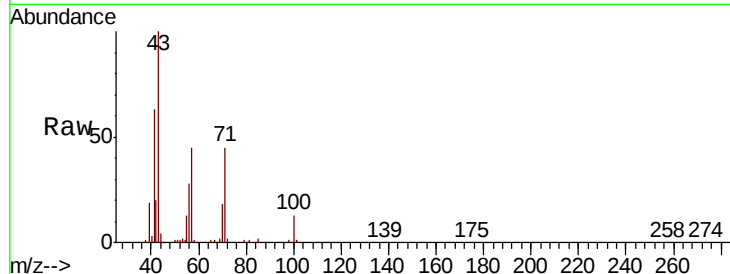
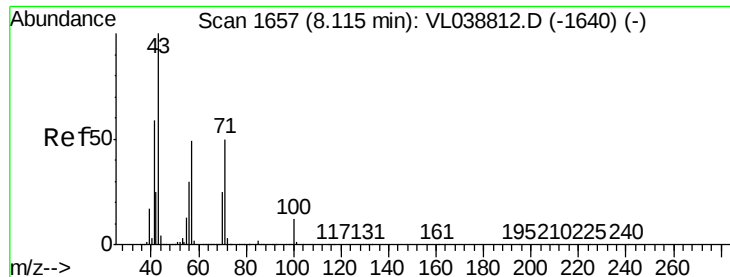
42 4.1 54.2 81.4#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



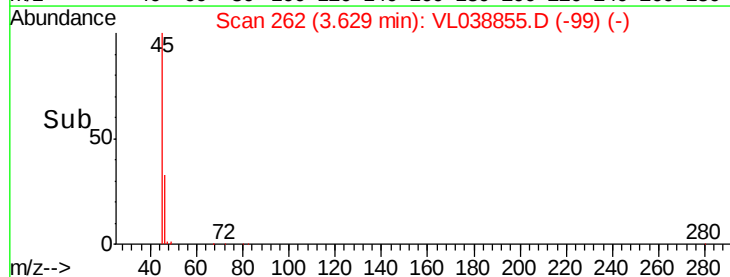
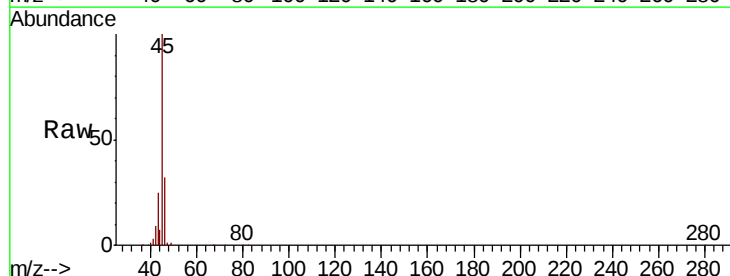
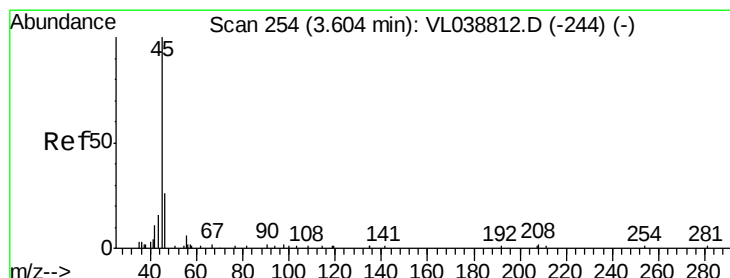
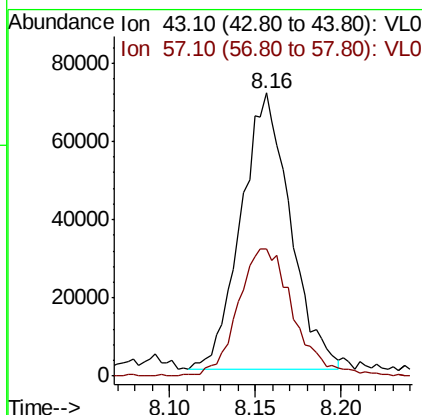


#10
Heptane
Concen: 0.731 ppbv
RT: 8.16
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 8 Apr 2022 00:00

Tot Ion:
Ion Ratio
43 100
57 51.

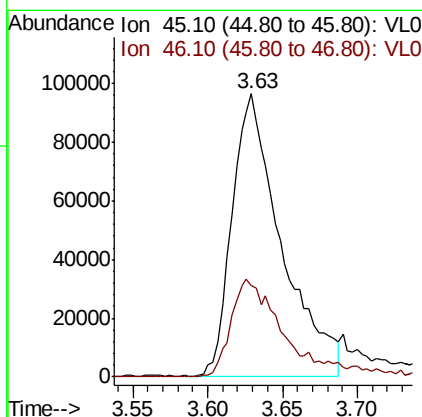
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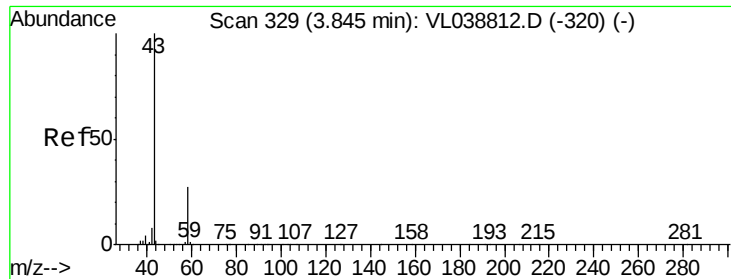
Reviewed By :Semsettin Yesilyurt 04/09/2022
Supervised By :Mahesh Dadoda 04/11/2022



#13
Ethanol
Concen: 47.336 ppbv
RT: 3.63 min Scan# 262
Delta R.T. 0.03 min
Lab File: VL038855.D
Acq: 8 Apr 2022 00:06

Tgt Ion: 45 Resp: 221912
Ion Ratio Lower Upper
45 100
46 37.9 0.0 0.0#



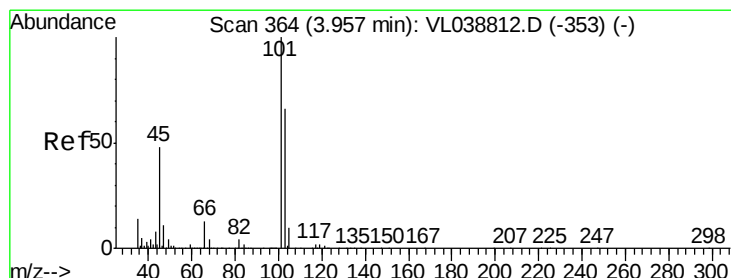
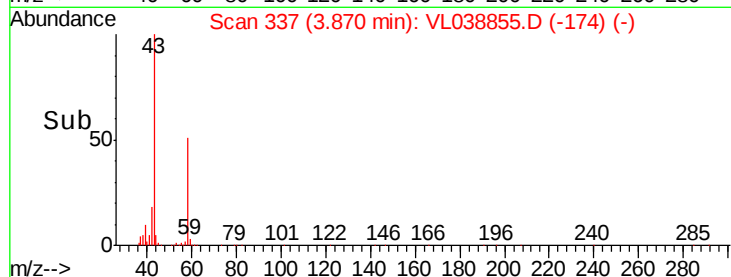
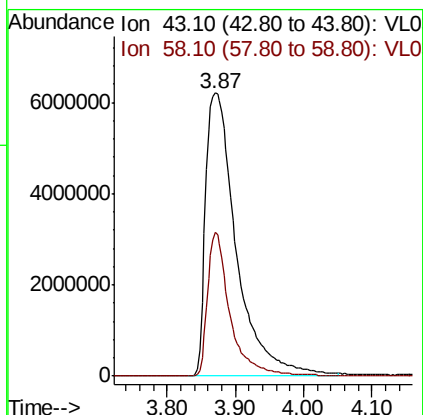
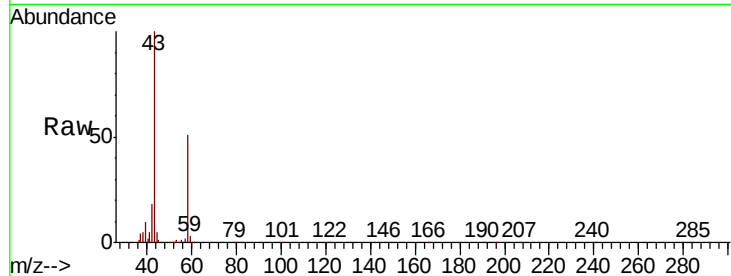


#15
Acetone
Concen: 164.361 ppbv
RT: 3.87
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 8 Apr 2022 00:00

Tot Ion:
Ion Ratio
43 100
58 37.

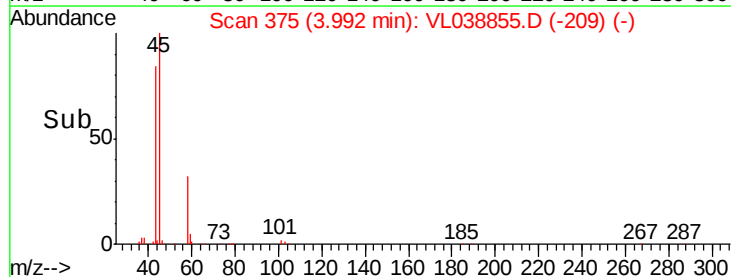
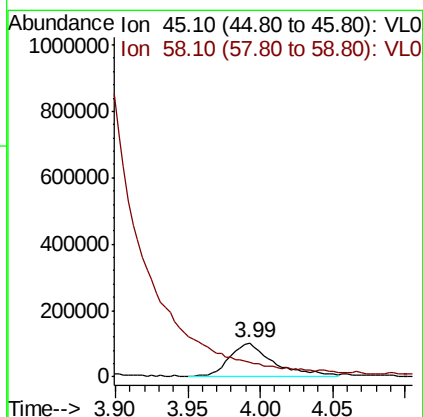
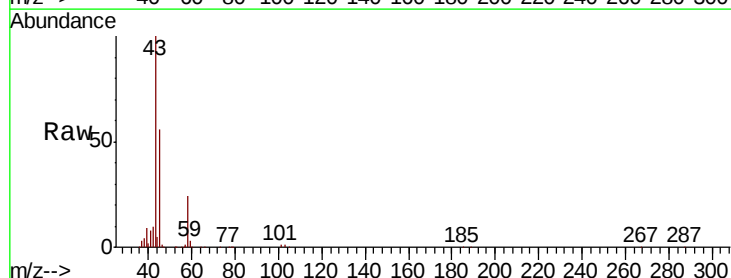
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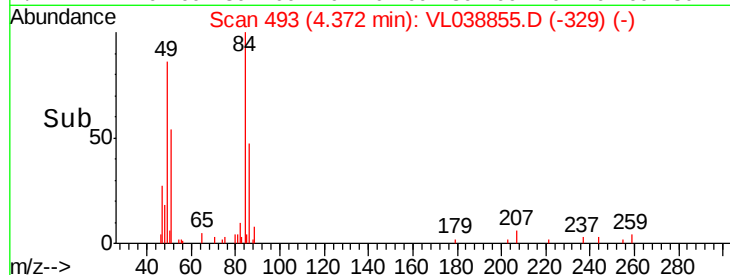
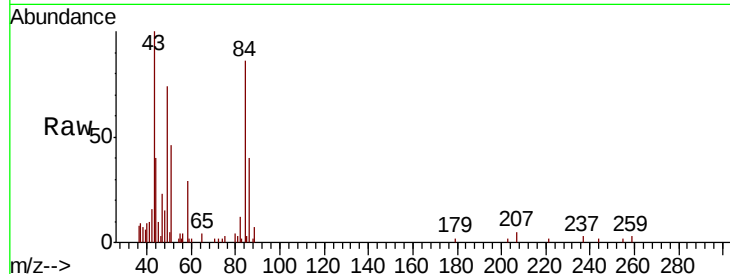
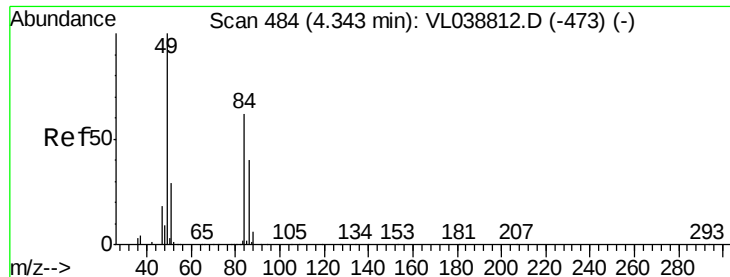
Reviewed By :Semsettin Yesilyurt 04/09/2022
Supervised By :Mahesh Dadoda 04/11/2022



#19
Isopropyl Alcohol
Concen: 3.403 ppbv
RT: 3.99 min Scan# 375
Delta R.T. 0.04 min
Lab File: VL038855.D
Acq: 8 Apr 2022 00:06

Tgt Ion: 45 Resp: 206859
Ion Ratio Lower Upper
45 100
58 0.0 0.0 0.0



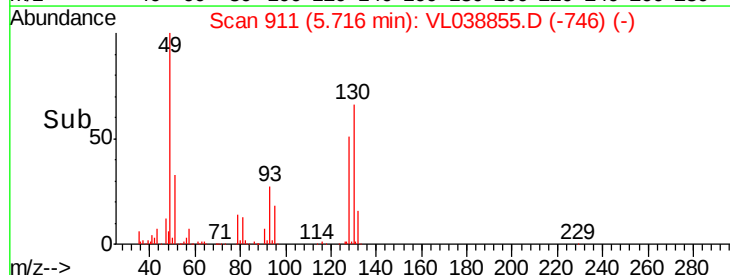
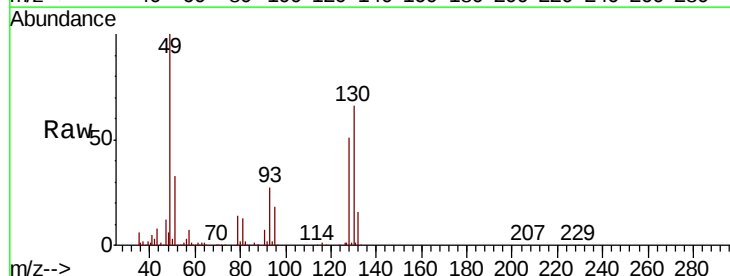
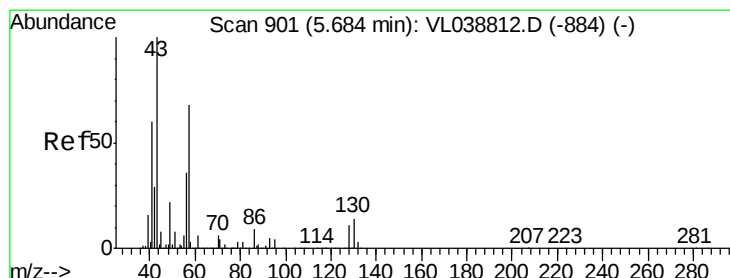
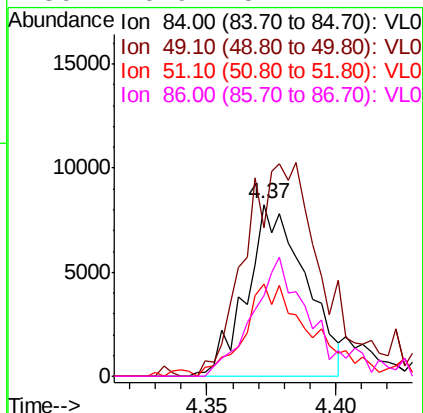


#20
Methvlene Chloride
Concen: 0.304 ppbv
RT: 4.37
Instrument: MSVOA_L
Delta R.T.
Lab File: ClientSampleId : 1160-1-SG-3DL
Acq: 8 Apr 2022 00:00

Tot Ion:
Ion Ratio
84 100
49 86.
51 50.
86 46.9 51.4 77.2#

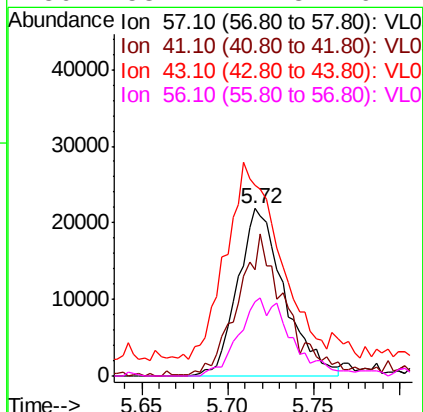
Manual Integrations
APPROVED

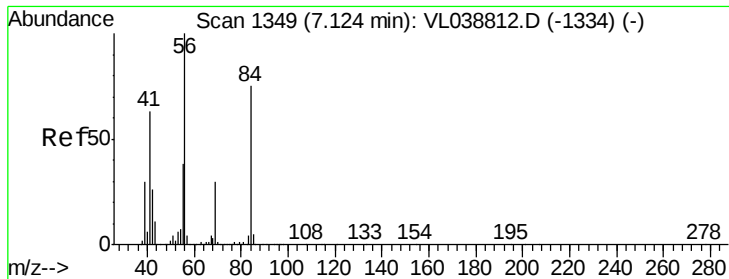
Reviewed By :Semsettin Yesilyurt 04/09/2022
Supervised By :Mahesh Dadoda 04/11/2022



#26
Hexane
Concen: 0.299 ppbv
RT: 5.72 min Scan# 911
Delta R.T. 0.03 min
Lab File: VL038855.D
Acq: 8 Apr 2022 00:06

Tgt Ion: 57 Resp: 41117
Ion Ratio Lower Upper
57 100
41 92.8 72.0 108.0
43 161.4 186.6 280.0#
56 53.4 42.8 64.2



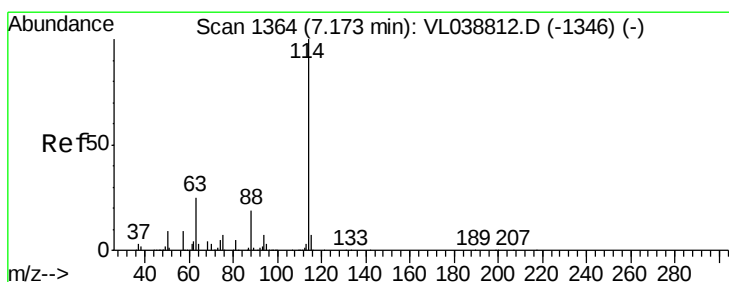
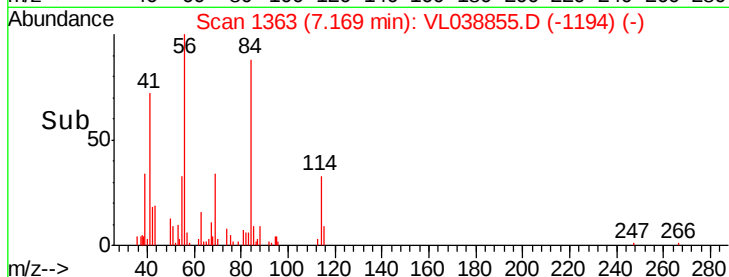
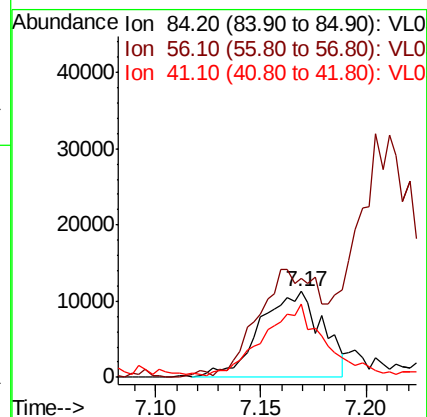
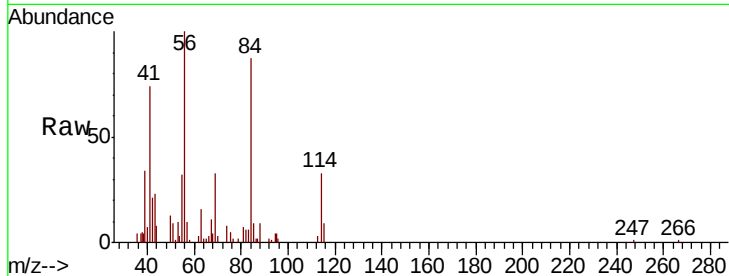


#30
Cvclohexane
Concen: 0.192 ppbv
RT: 7.17 min
Instrument: MSVOA_L
Delta R.T.: 0.04 min
Lab File: ClientSampleId : 1160-1-SG-3DL
Acq: 8 Apr 2022 00:00

Tot Ion:
Ion Ratio
84 100
56 0.
41 0.

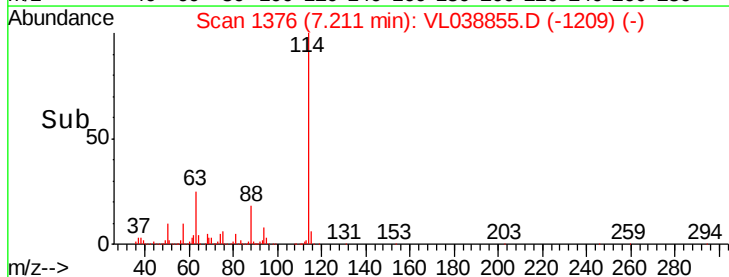
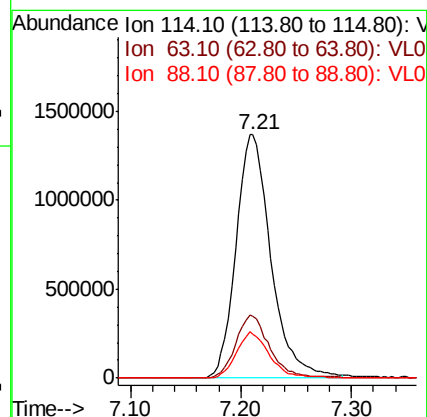
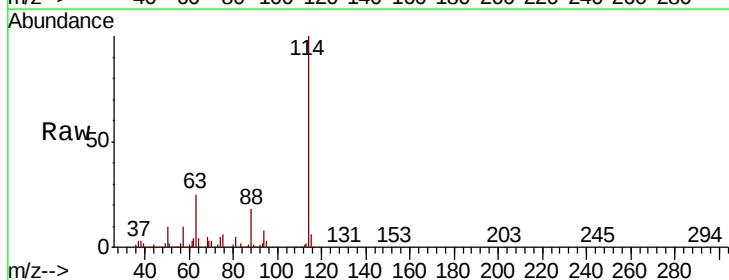
Manual Integrations
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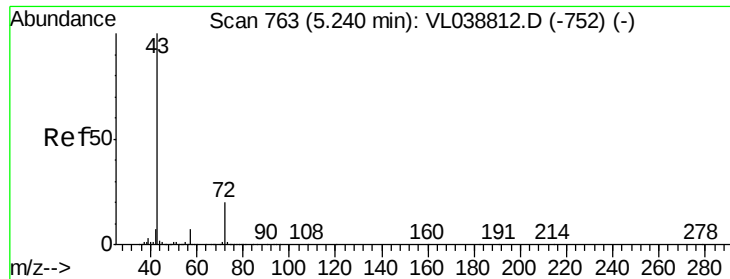
Reviewed By :Semsettin Yesilyurt 04/09/2022
Supervised By :Mahesh Dadoda 04/11/2022



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.21 min Scan# 1376
Delta R.T.: 0.04 min
Lab File: VL038855.D
Acq: 8 Apr 2022 00:06

Tgt Ion:114 Resp: 3007706
Ion Ratio Lower Upper
114 100
63 25.4 19.8 29.8
88 18.3 14.2 21.4



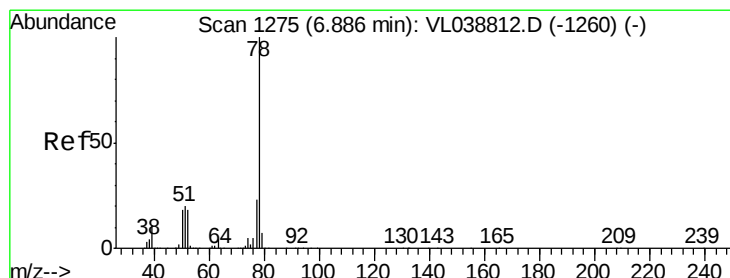
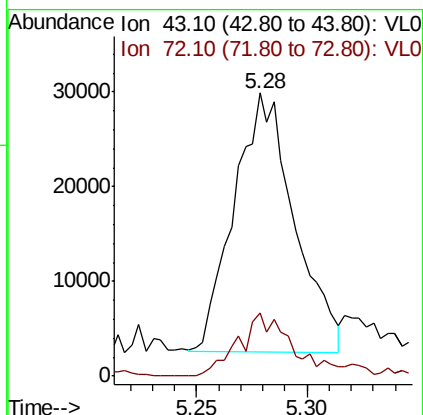
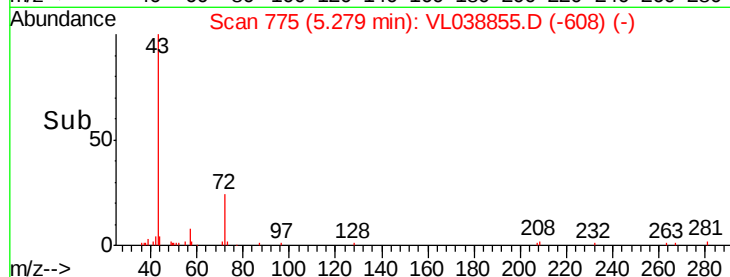
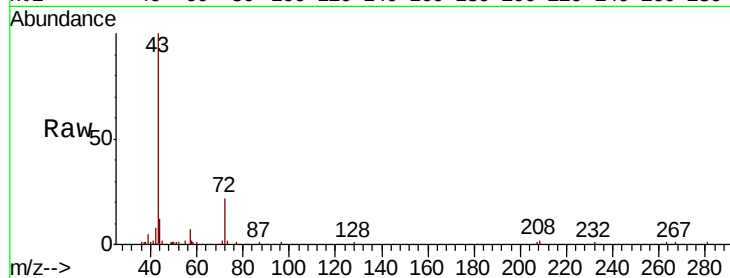


#34
2-Butanone
Concen: 0.436 ppbv
RT: 5.28
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 8 Apr 2022 00:00

Tot Ion:
Ion Ratio
43 100
72 23.

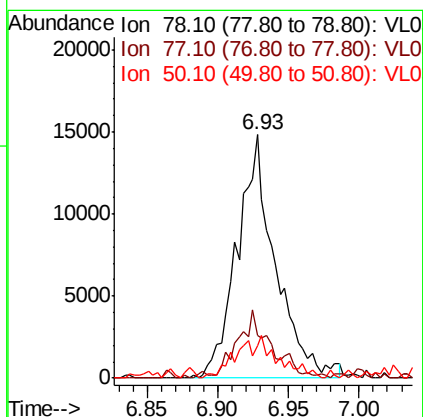
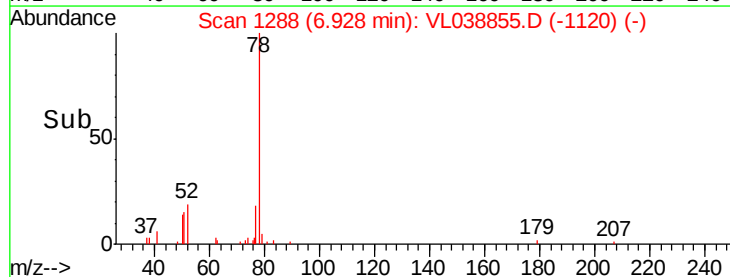
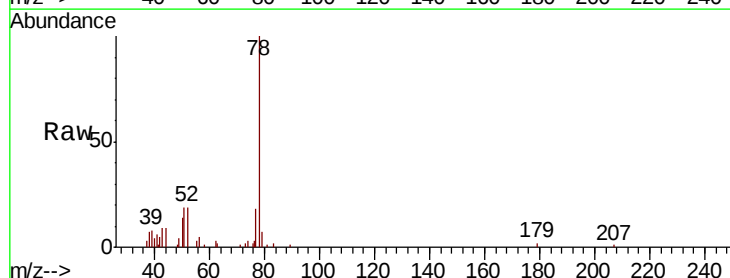
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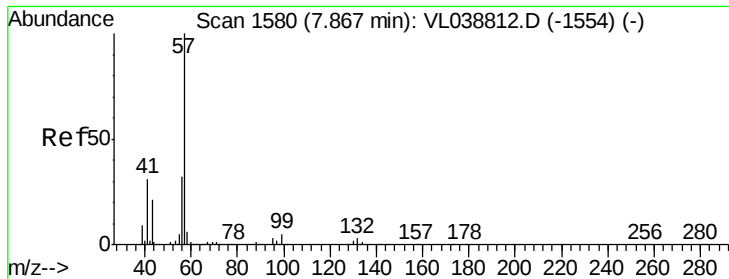
Reviewed By :Semsettin Yesilyurt 04/09/2022
Supervised By :Mahesh Dadoda 04/11/2022



#36
Benzene
Concen: 0.102 ppbv m
RT: 6.93 min Scan# 1288
Delta R.T. 0.04 min
Lab File: VL038855.D
Acq: 8 Apr 2022 00:06

Tgt Ion: 78 Resp: 27995
Ion Ratio Lower Upper
78 100
77 17.7 18.2 27.2#
50 13.6 14.0 21.0#





#44

2,2,4-Trimethylpentane

Concen: 0.345 ppbv m

RT: 7.91 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 8 Apr 2022 00:00

Tot Ion:

Ion Ratio

57 100

41 0.

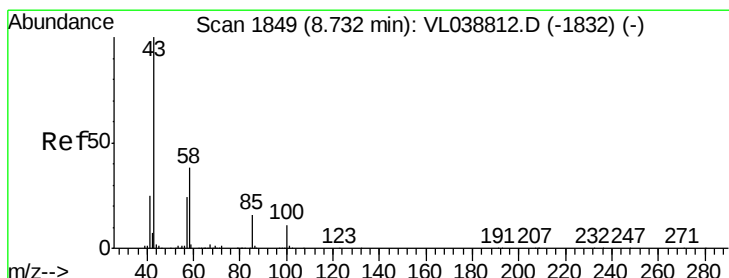
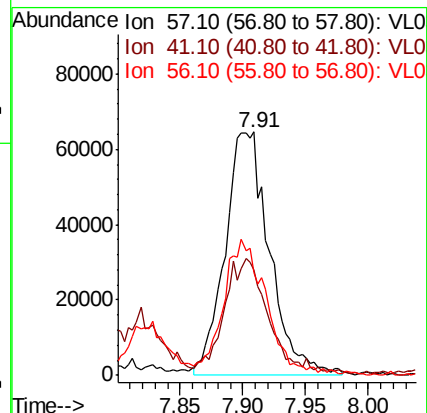
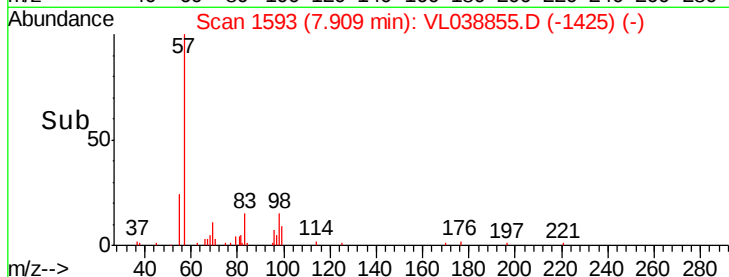
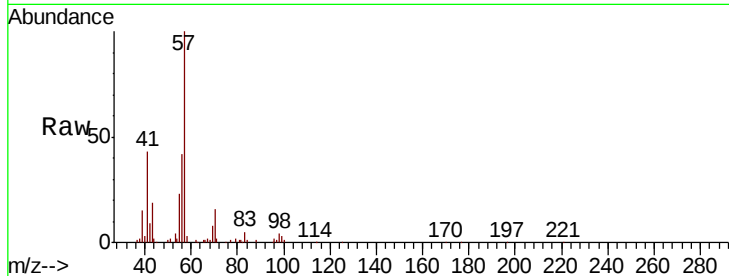
56 0.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/09/2022

Supervised By :Mahesh Dadoda 04/11/2022



#50

4-Methyl-2-Pentanone

Concen: 0.624 ppbv

RT: 8.78 min Scan# 1863

Delta R.T. 0.04 min

Lab File: VL038855.D

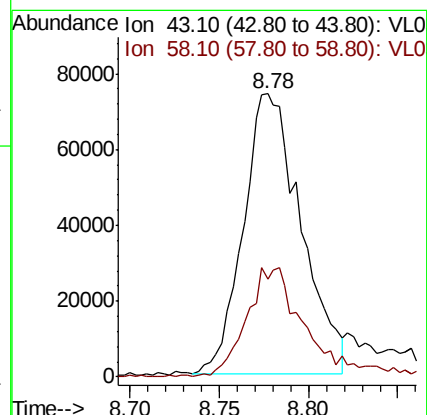
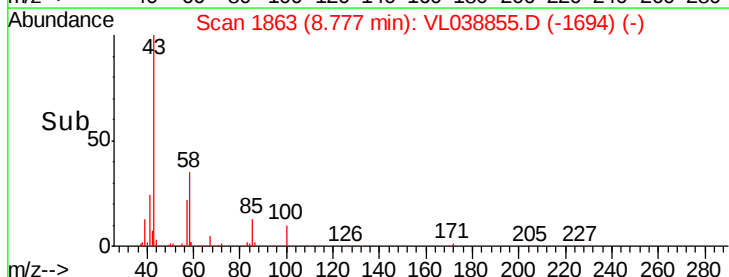
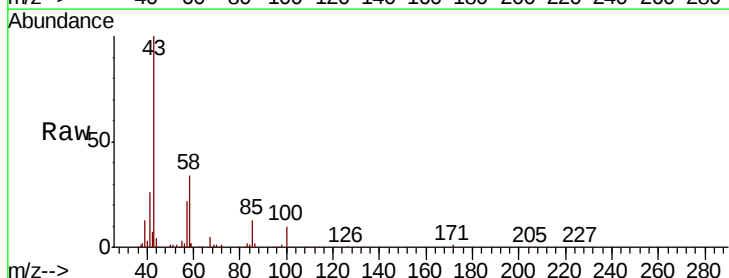
Acq: 8 Apr 2022 00:06

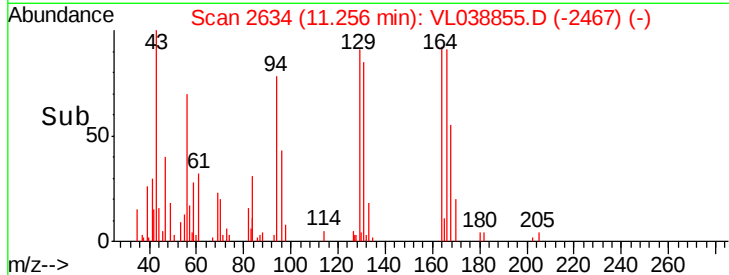
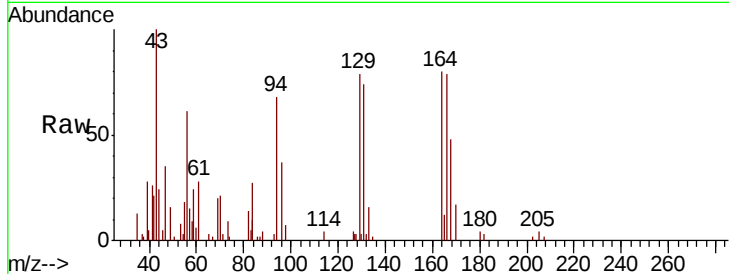
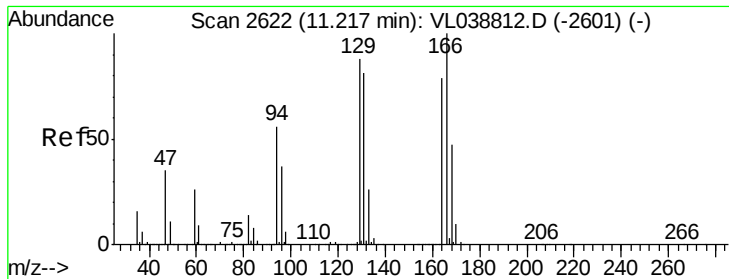
Tgt Ion: 43 Resp: 166891

Ion Ratio Lower Upper

43 100

58 40.6 29.0 43.6



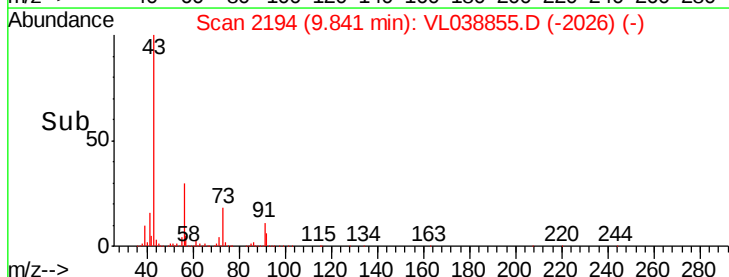
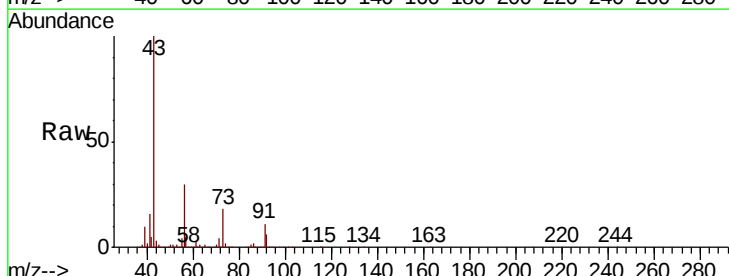
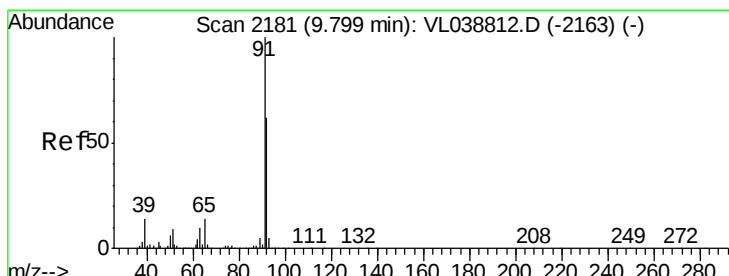
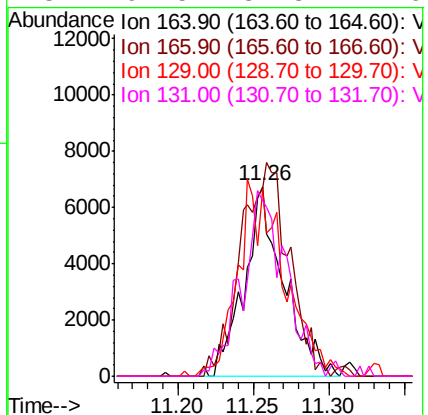


#52
Tetrachloroethene
Concen: 0.129 ppbv m
RT: 11.26
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId :
Acq: 8 Apr 2022 00:00

Tot Ion: 1
Ion Ratio
164 100
166 99.
129 98.
131 92.5 81.8 122.6

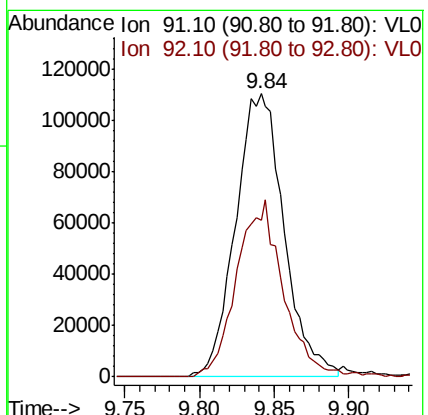
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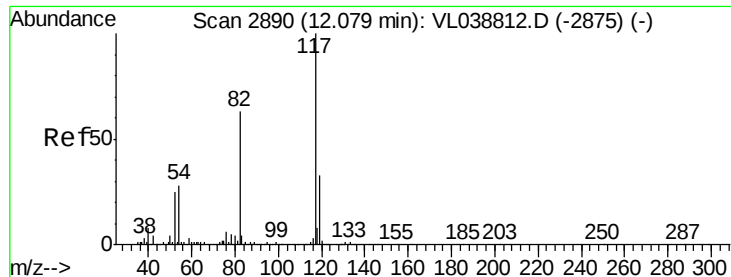
Reviewed By : Semsettin Yesilyurt 04/09/2022
Supervised By : Mahesh Dadoda 04/11/2022



#53
Toluene
Concen: 0.789 ppbv
RT: 9.84 min Scan# 2194
Delta R.T. 0.04 min
Lab File: VL038855.D
Acq: 8 Apr 2022 00:06

Tgt Ion: 91 Resp: 249324
Ion Ratio Lower Upper
91 100
92 60.4 49.2 73.8



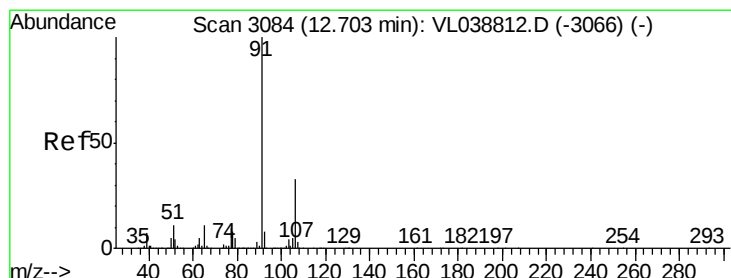
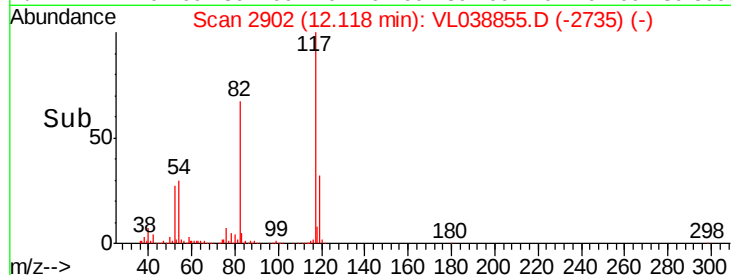
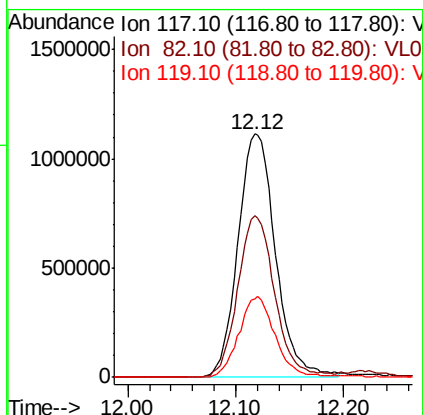
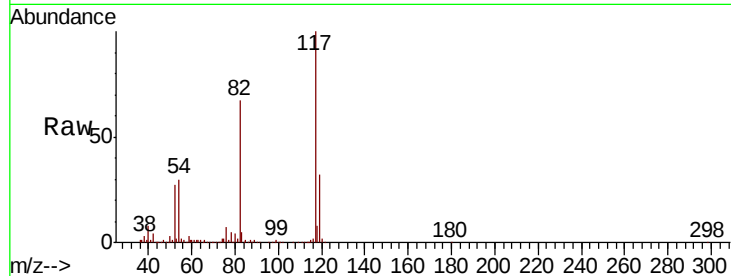


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.12 min
Instrument: MSVOA_1
Delta R.T.: 0.04 min
Lab File: ClientSampleId : 1160-1-SG-3DL
Acq: 8 Apr 2022 00:00

Tot Ion: 1
Ion Ratio
117 100
82 65.
119 32.

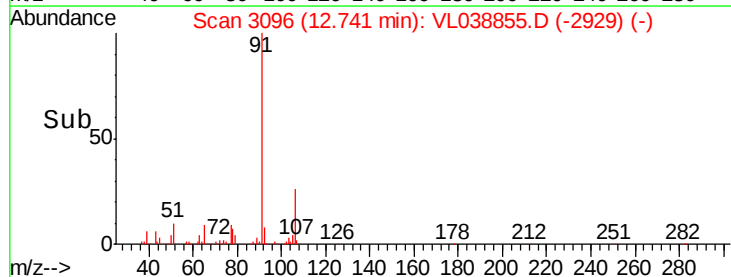
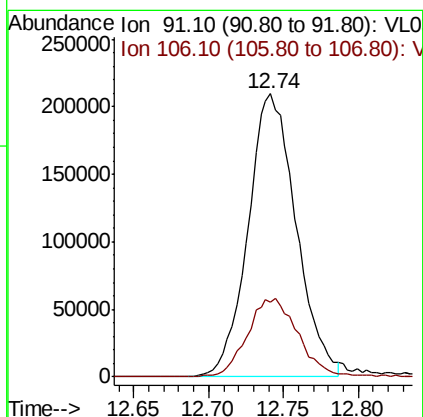
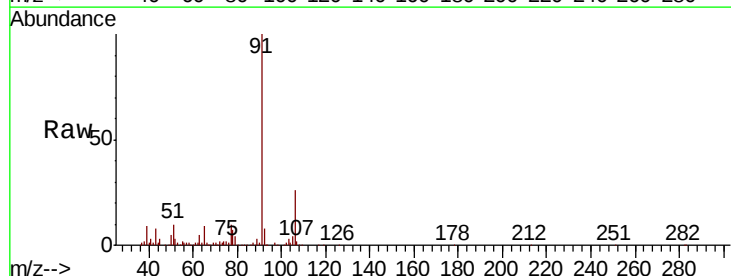
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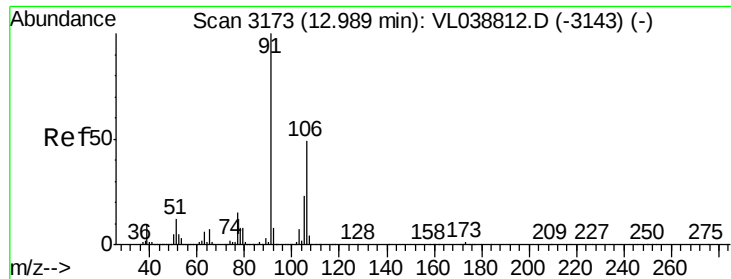
Reviewed By : Semsettin Yesilyurt 04/09/2022
Supervised By : Mahesh Dadoda 04/11/2022



#58
Ethyl Benzene
Concen: 1.160 ppbv
RT: 12.74 min Scan# 3096
Delta R.T.: 0.04 min
Lab File: VL038855.D
Acq: 8 Apr 2022 00:06

Tgt Ion: 91 Resp: 468273
Ion Ratio Lower Upper
91 100
106 26.3 26.7 40.1#



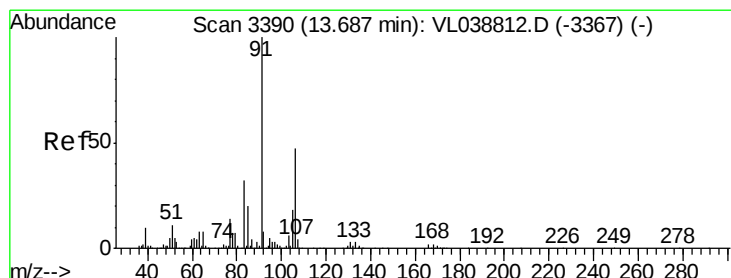
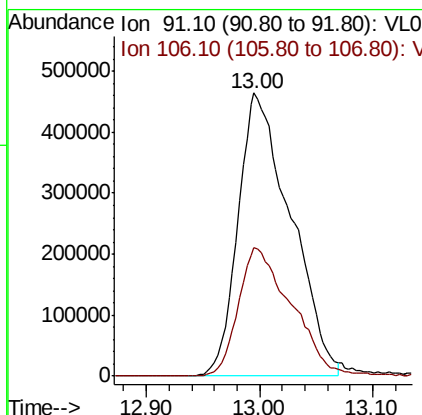
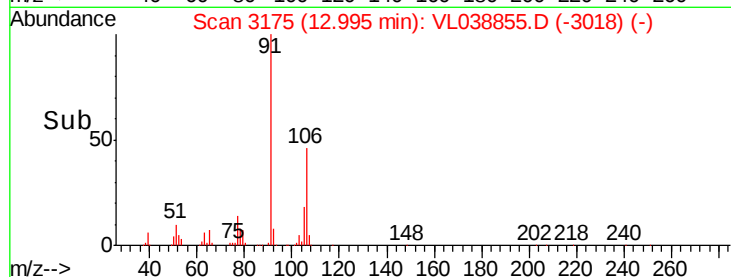
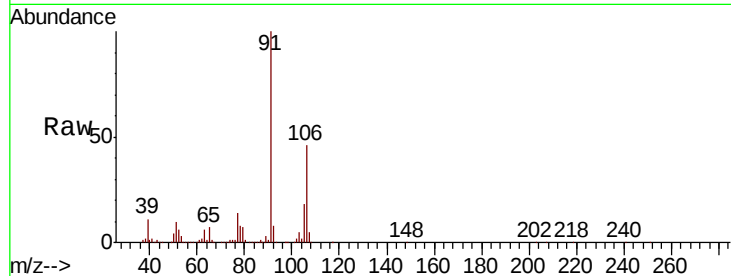


#59
m/p-Xylene
Concen: 4.407 ppbv
RT: 13.00
Delta R.T. MSVOA_L
Lab File: ClientSampled :
Acq: 8 Apr 2022 00:00

Tot Ion:
Ion Ratio
91 100
106 46.

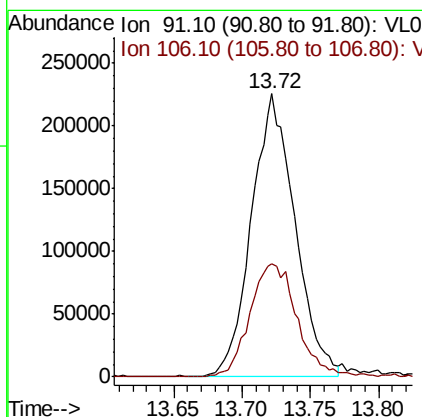
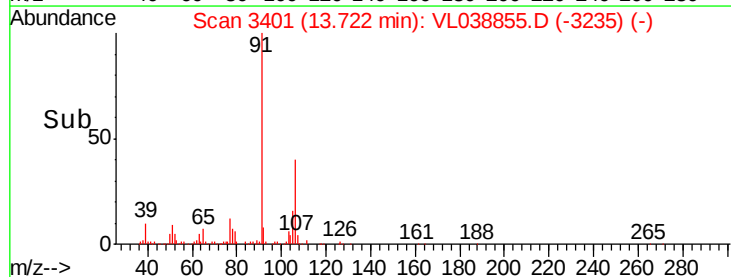
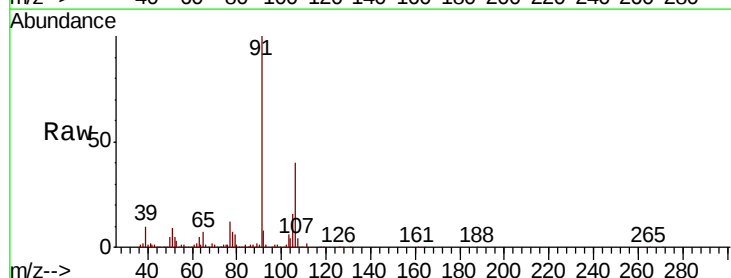
Manual Integrations
APPROVED

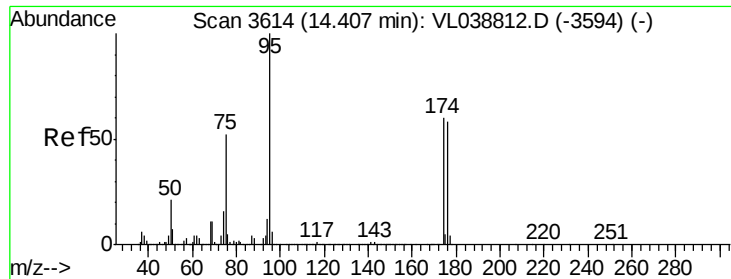
Reviewed By :Semsettin Yesilyurt 04/09/2022
Supervised By :Mahesh Dadoda 04/11/2022



#60
o-Xylene
Concen: 1.572 ppbv
RT: 13.72 min Scan# 3401
Delta R.T. 0.04 min
Lab File: VL038855.D
Acq: 8 Apr 2022 00:06

Tgt Ion: 91 Resp: 498827
Ion Ratio Lower Upper
91 100
106 43.9 23.8 71.4



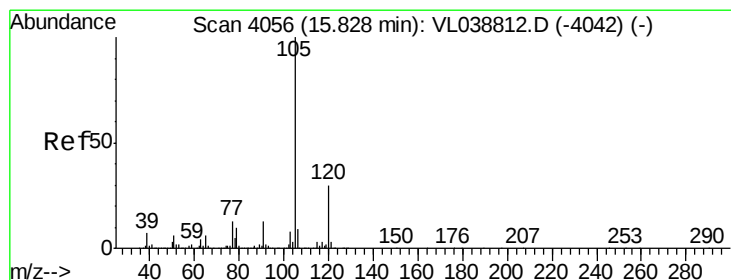
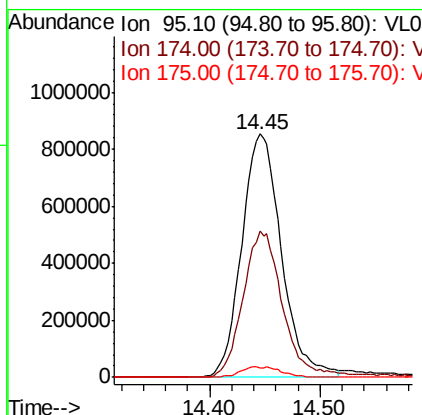
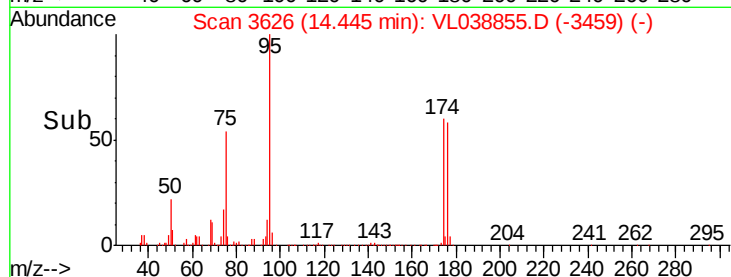
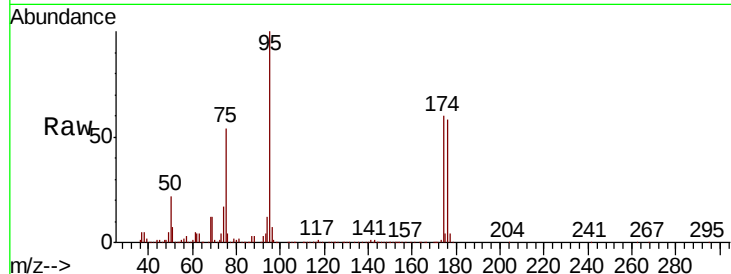


#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.398 ppbv
 RT: 14.45 min
 Delta R.T. 0.04 min
 Lab File: VL038812.D
 Acq: 8 Apr 2022 00:00

Tot Ion:
 Ion Ratio
 95 100
 174 61.1
 175 4.1

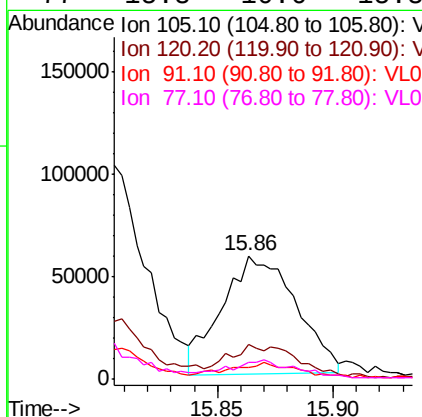
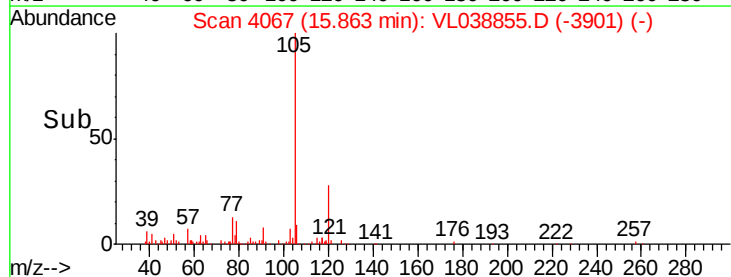
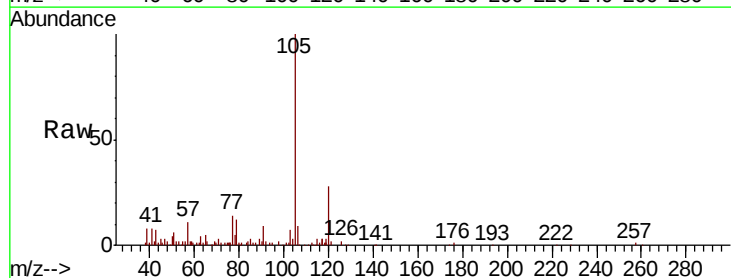
Manual Integrations
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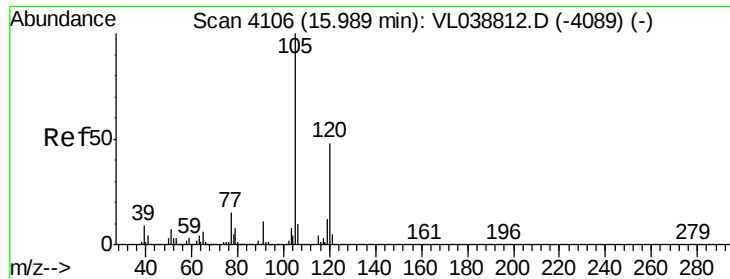
Reviewed By :Semsettin Yesilyurt 04/09/2022
 Supervised By :Mahesh Dadoda 04/11/2022



#72
 4-Ethyltoluene
 Concen: 0.339 ppbv
 RT: 15.86 min Scan# 4067
 Delta R.T. 0.04 min
 Lab File: VL038855.D
 Acq: 8 Apr 2022 00:06

Tgt Ion:105 Resp: 128323
 Ion Ratio Lower Upper
 105 100
 120 29.4 24.3 36.5
 91 12.5 9.4 14.2
 77 15.8 10.6 15.8



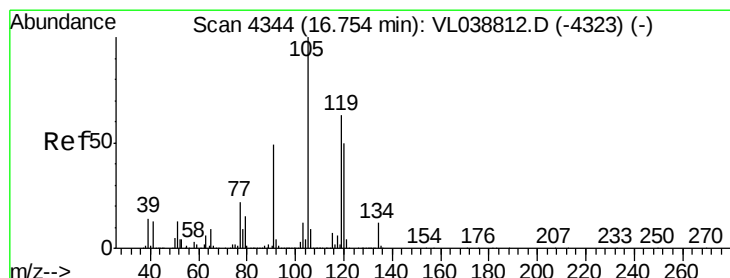
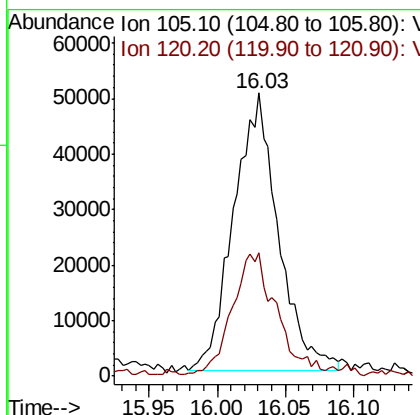
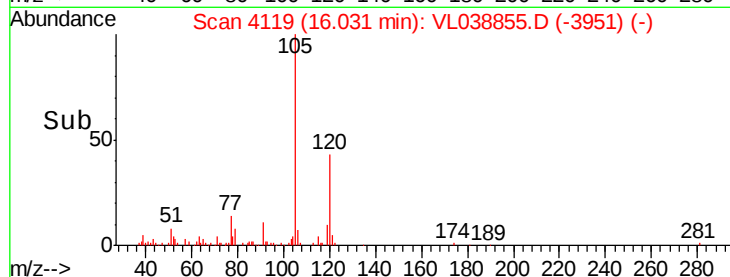
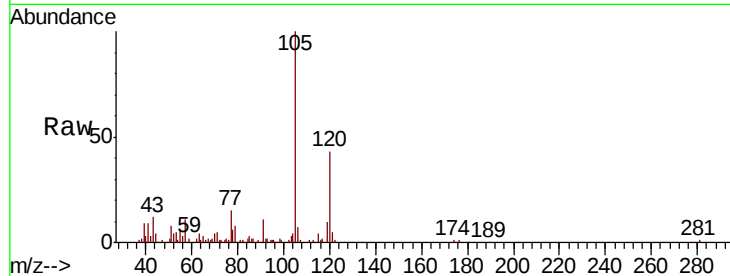


#73
 1,3,5-Trimethylbenzene
 Concen: 0.335 ppbv
 RT: 16.03 min
 Delta R.T. 0.04 min
 Lab File: VL038812.D
 Acq: 8 Apr 2022 00:00

Tot Ion: 1
 Ion Ratio
 105 100
 120 43.

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 04/09/2022
 Supervised By : Mahesh Dadoda 04/11/2022



#74
 1,2,4-Trimethylbenzene
 Concen: 0.977 ppbv m
 RT: 16.79 min Scan# 4355
 Delta R.T. 0.04 min
 Lab File: VL038855.D
 Acq: 8 Apr 2022 00:06

Tgt Ion: 105 Resp: 351508
 Ion Ratio Lower Upper
 105 100
 120 42.3 39.8 59.8
 91 12.3 39.4 59.0#
 77 14.3 17.3 25.9#

