

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040722\
 Data File : VL038857.D
 Acq On : 8 Apr 2022 1:25
 Operator : SY/AP
 Sample : N2273-07DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 1160-1-SG-4DL

Manual Integrations
 APPROVED

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

Quant Time: Apr 08 09:46:56 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	1140069	10.00	ppbv	0.04
33) 1,4-Difluorobenzene	7.21	114	2934036	10.00	ppbv	0.04
55) Chlorobenzene-d5	12.12	117	2657060	10.00	ppbv	0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	2087358	10.36	ppbv	0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.60%

Target Compounds

					Ovalue
9) Propene	3.05	41	1711944m	23.256	ppbv
10) Heptane	8.16	43	159029	0.858	ppbv 98
13) Ethanol	3.63	45	237334	53.052	ppbv # 100
15) Acetone	3.87	43	19466162	171.502	ppbv # 82
19) Isopropyl Alcohol	3.99	45	561775	9.684	ppbv # 100
20) Methylene Chloride	4.38	84	19355	0.470	ppbv 91
25) Ethyl Acetate	5.71	43	879861	3.055	ppbv # 91
34) 2-Butanone	5.28	43	541312	4.669	ppbv 99
36) Benzene	6.92	78	27871m	0.104	ppbv
44) 2,2,4-Trimethylpentane	7.90	57	95692m	0.212	ppbv
50) 4-Methyl-2-Pentanone	8.78	43	470314	1.803	ppbv 97
52) Tetrachloroethene	11.26	164	10338m	0.111	ppbv
53) Toluene	9.84	91	1599862	5.192	ppbv 98
58) Ethyl Benzene	12.74	91	470132	1.184	ppbv # 84
59) m/p-Xylene	13.00	91	1443073	4.326	ppbv 98
60) o-Xylene	13.73	91	434416	1.392	ppbv 97
61) Styrene	13.56	104	899584	4.731	ppbv 99
72) 4-Ethyltoluene	15.87	105	121135	0.325	ppbv # 95
73) 1,3,5-Trimethylbenzene	16.03	105	99093	0.296	ppbv # 85
74) 1,2,4-Trimethylbenzene	16.80	105	296450	0.838	ppbv # 69

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

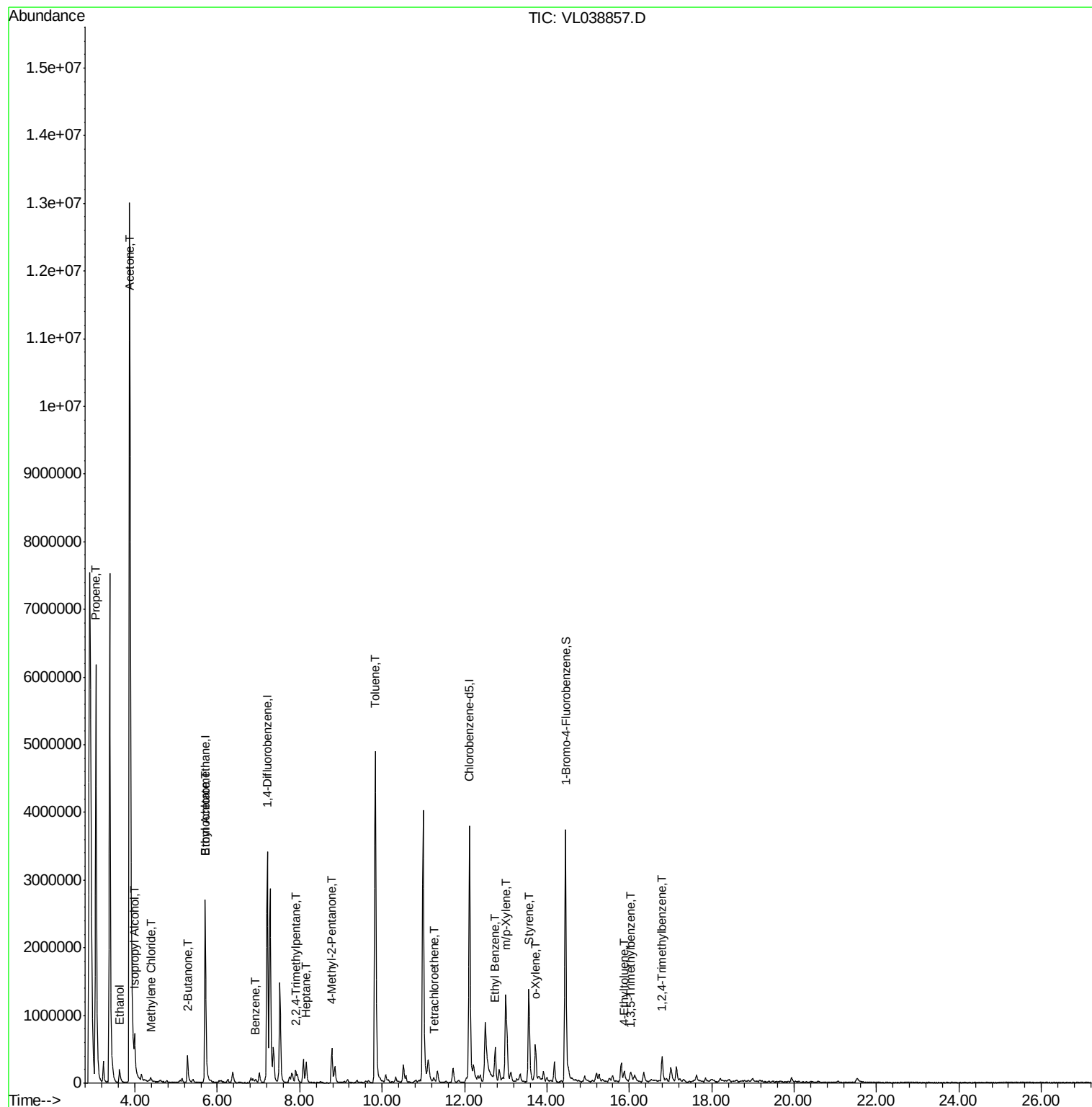
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL040722\
Data File : VL038857.D
Acq On : 8 Apr 2022 1:25
Operator : SY/AP
Sample : N2273-07DL 10X
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

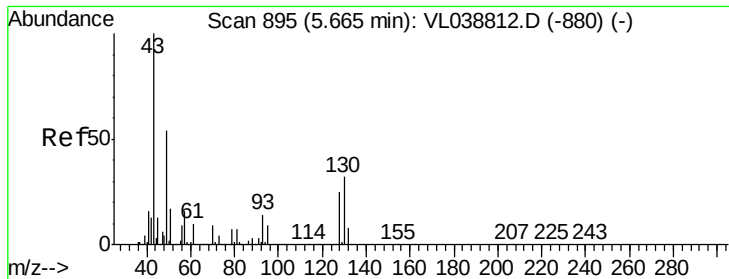
Instrument :
MSVOA_L
ClientSampleId :
1160-1-SG-4DL

Quant Time: Apr 08 09:46:56 2022
Quant Method : Z:\V0ASRV\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

Manual Integrations
APPROVED

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Supervised By :Mahesh Dadoda 04/11/2022





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.70 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 8 Apr 2022 1:25

Tot Ion:

Ion Ratio

49 100

128 47.

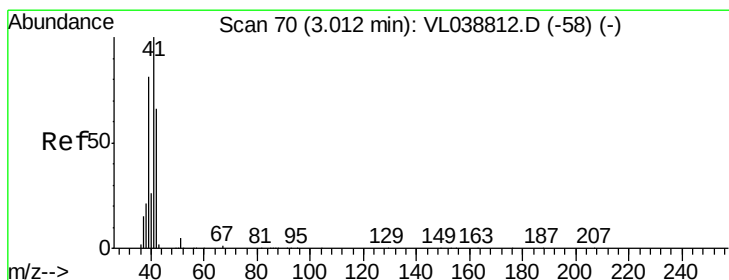
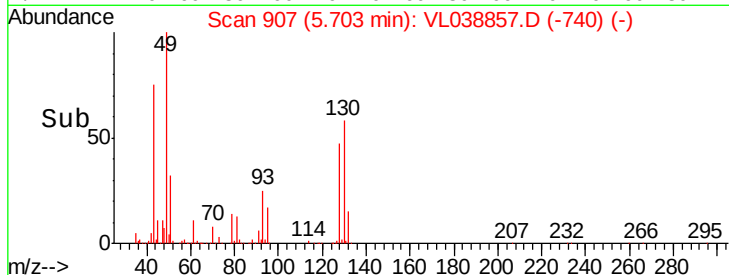
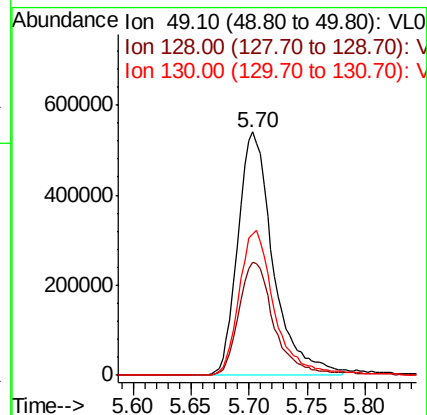
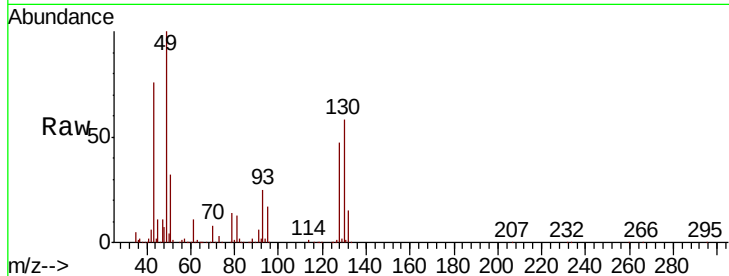
130 60.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/09/2022

Supervised By :Mahesh Dadoda 04/11/2022



#9

Propene

Concen: 23.256 ppbv m

RT: 3.05 min Scan# 82

Delta R.T. 0.04 min

Lab File: VL038857.D

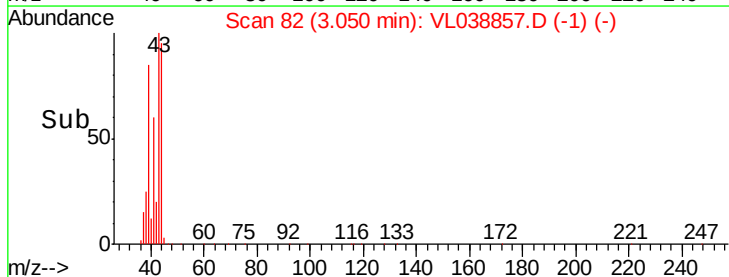
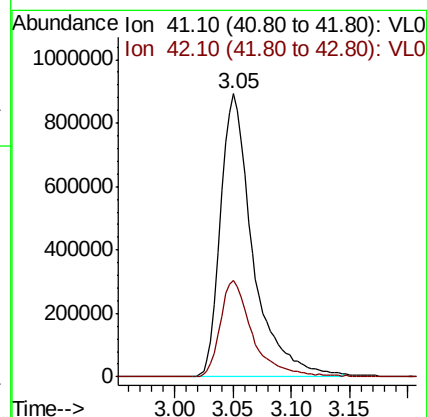
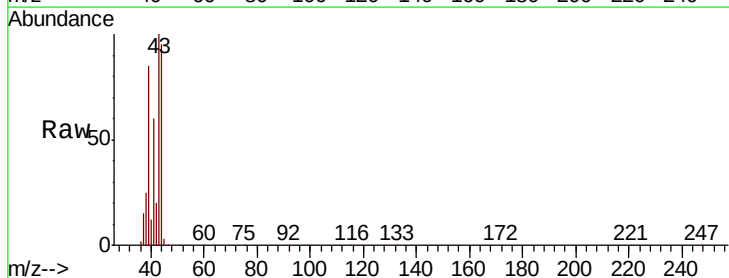
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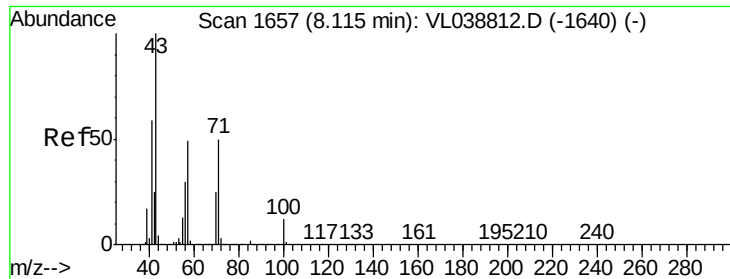
Tgt Ion: 41 Resp: 1711944

Ion Ratio Lower Upper

41 100

42 4.5 54.2 81.4#



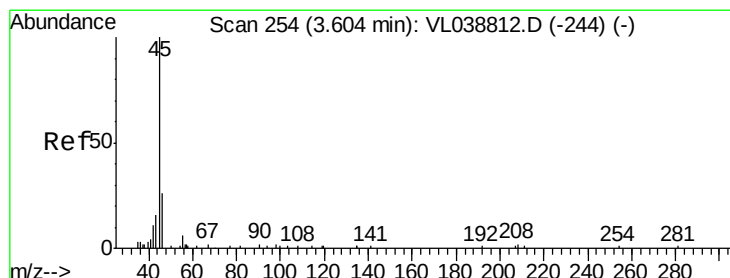
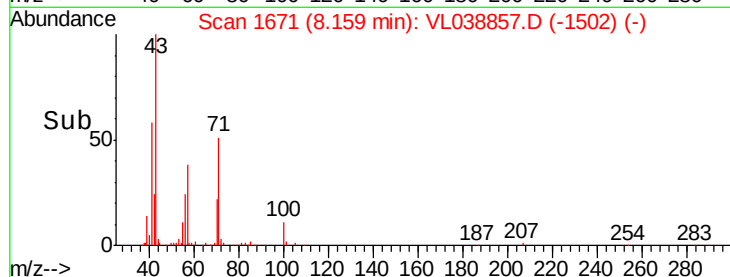
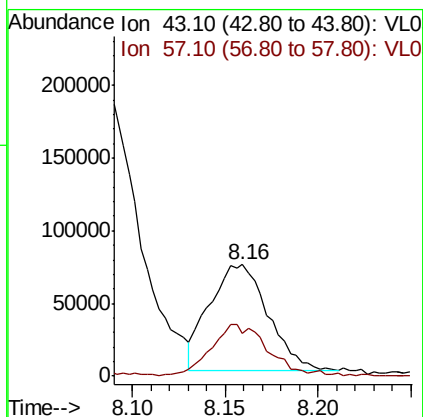
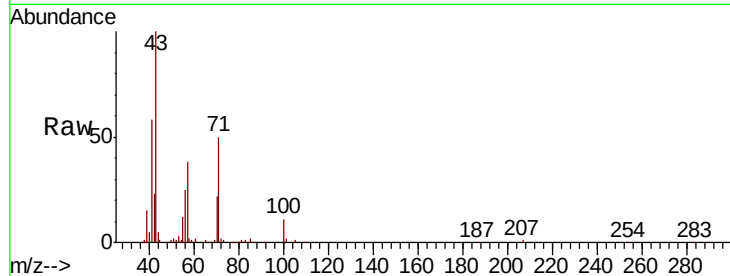


#10
Heptane
Concen: 0.858 ppbv
RT: 8.16
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 8 Apr 2022 1:25

Tot Ion:
Ion Ratio
43 100
57 47.

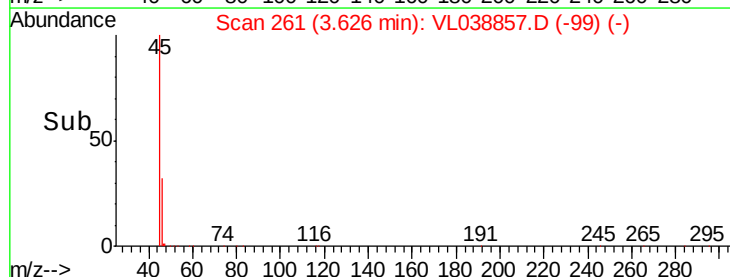
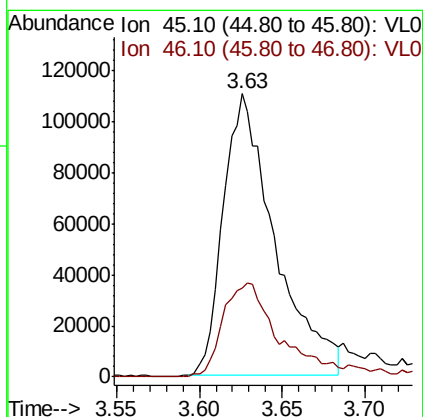
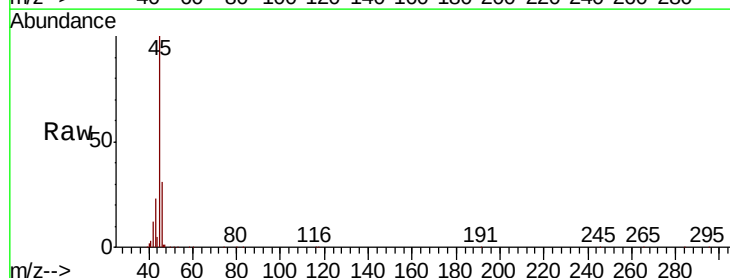
Manual Integrations
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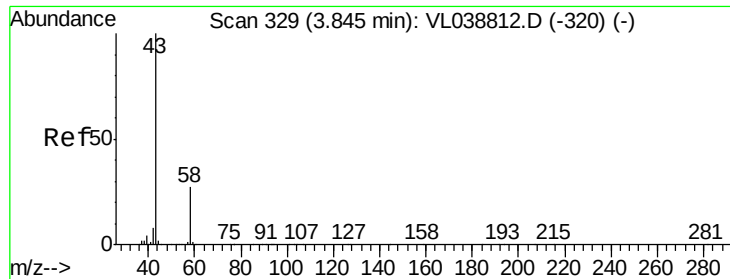
Reviewed By :Semsettin Yesilyurt 04/09/2022
Supervised By :Mahesh Dadoda 04/11/2022



#13
Ethanol
Concen: 53.052 ppbv
RT: 3.63 min Scan# 261
Delta R.T. 0.02 min
Lab File: VL038857.D
Acq: 8 Apr 2022 1:25

Tgt Ion: 45 Resp: 237334
Ion Ratio Lower Upper
45 100
46 39.6 0.0 0.0#



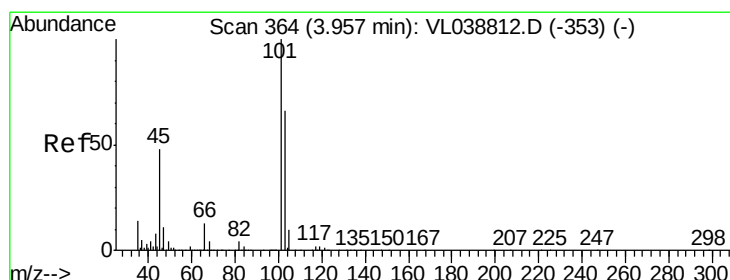
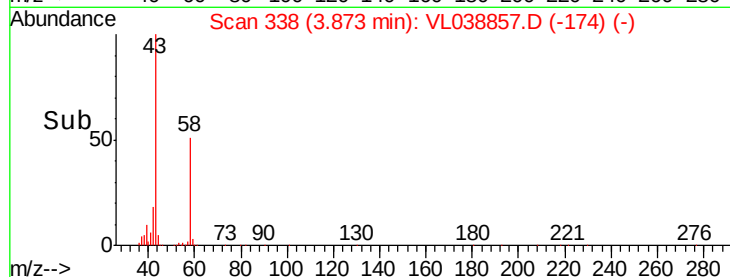
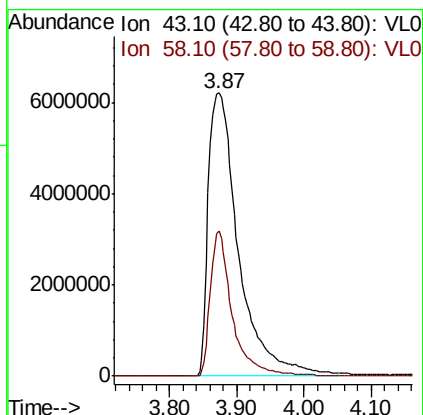
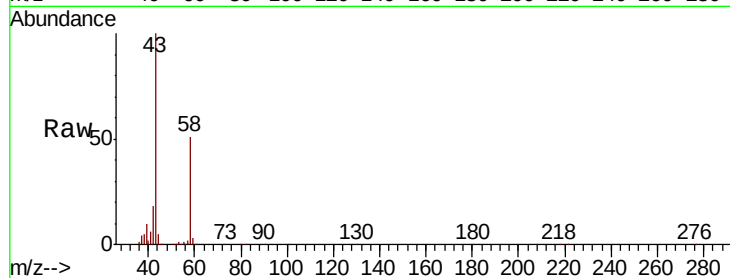


#15
Acetone
Concen: 171.502 ppbv
RT: 3.87
Instrument : MSVOA_L
Delta R.T. :
Lab File: ClientSampleId :
Acq: 8 Apr 2022 1:25

Tot Ion:
Ion Ratio
43 100
58 37.

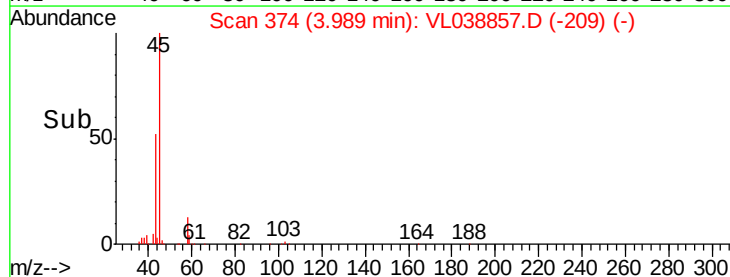
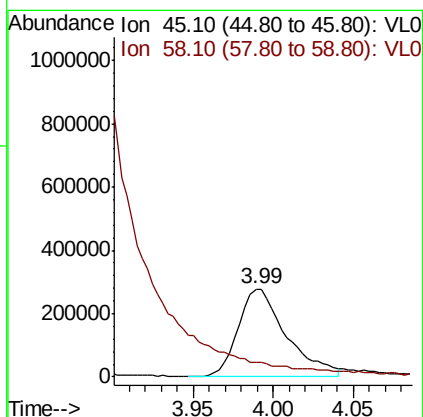
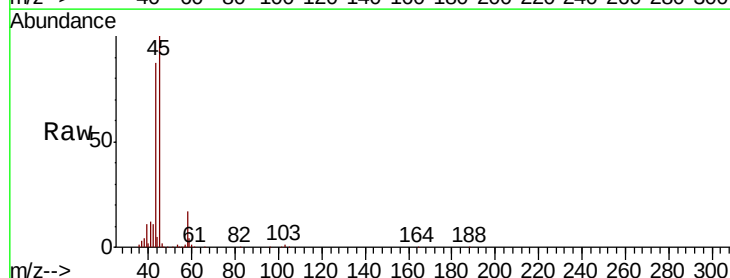
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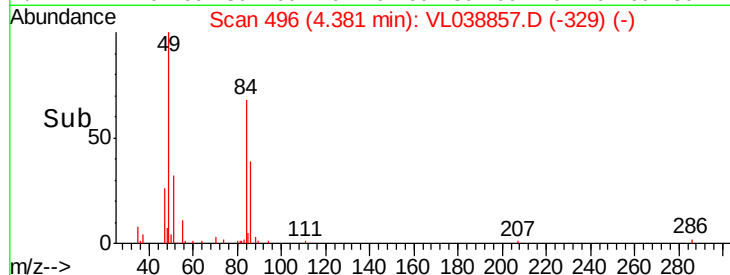
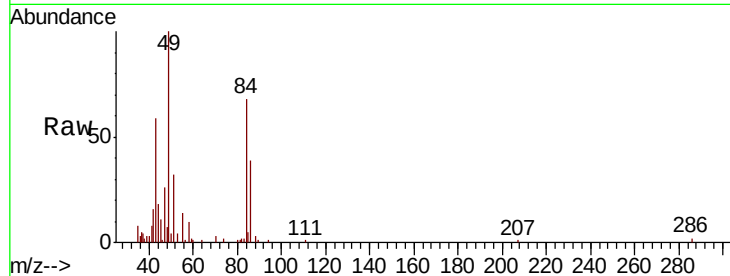
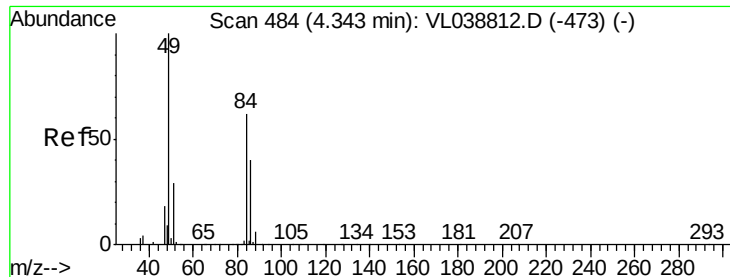
Reviewed By :Semsettin Yesilyurt 04/09/2022
Supervised By :Mahesh Dadoda 04/11/2022



#19
Isopropyl Alcohol
Concen: 9.684 ppbv
RT: 3.99 min Scan# 374
Delta R.T. 0.03 min
Lab File: VL038857.D
Acq: 8 Apr 2022 1:25

Tgt Ion: 45 Resp: 561775
Ion Ratio Lower Upper
45 100
58 0.0 0.0 0.0



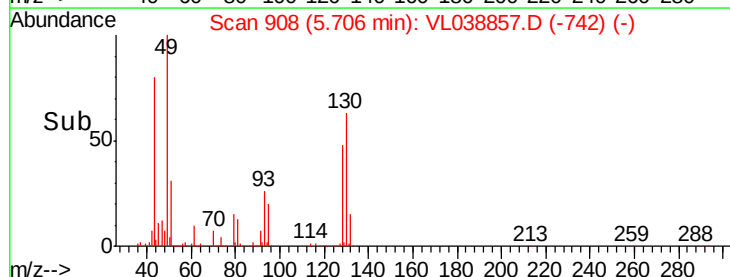
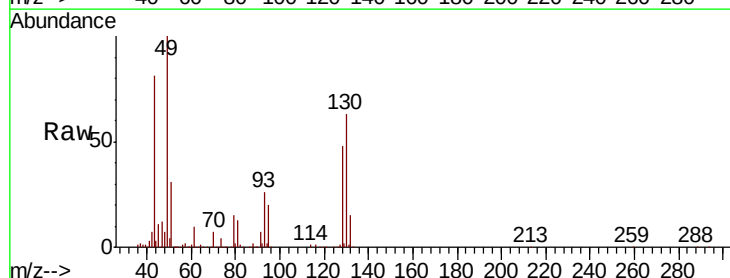
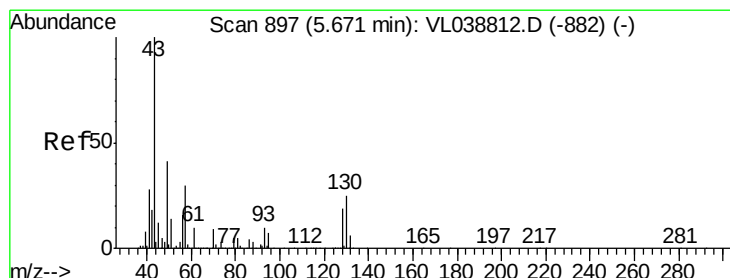
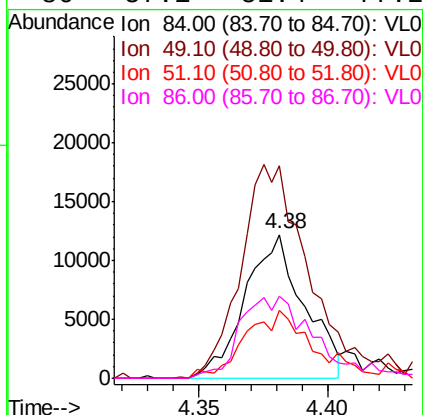


#20
Methvlene Chloride
Concen: 0.470 ppbv
RT: 4.38
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId :
Acq: 8 Apr 2022 1:25

Tot Ion:
Ion Ratio
84 100
49 147.
51 47.
86 57.1 51.4 77.2

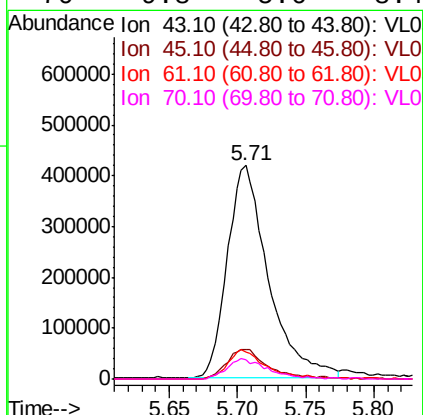
Manual Integrations
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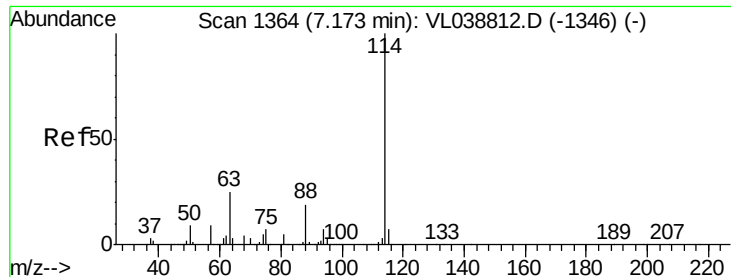
Reviewed By :Semsettin Yesilyurt 04/09/2022
Supervised By :Mahesh Dadoda 04/11/2022



#25
Ethyl Acetate
Concen: 3.055 ppbv
RT: 5.71 min Scan# 908
Delta R.T. 0.04 min
Lab File: VL038857.D
Acq: 8 Apr 2022 1:25

Tgt Ion: 43 Resp: 879861
Ion Ratio Lower Upper
43 100
45 14.5 8.4 12.6#
61 13.3 7.9 11.9#
70 9.8 5.6 8.4#



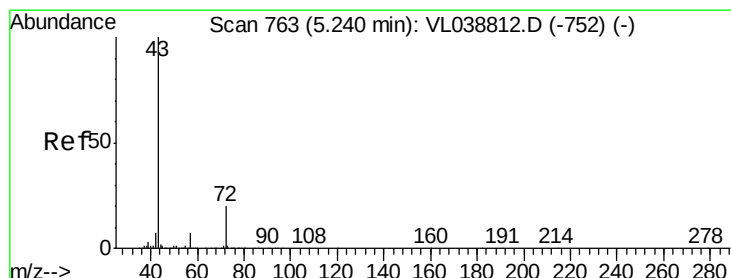
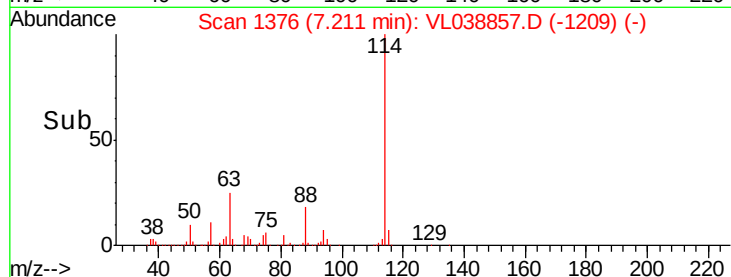
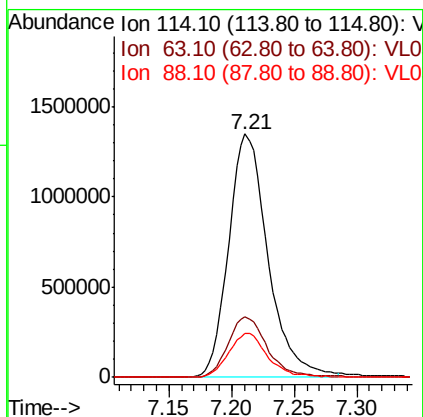
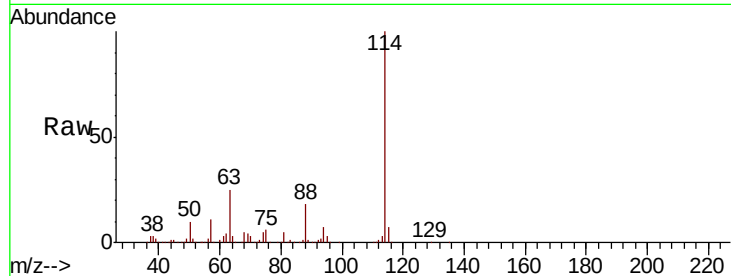


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.21 min
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId :
 Acq: 8 Apr 2022 1:25

Tot Ion: 1
 Ion Ratio
 114 100
 63 25.
 88 18.

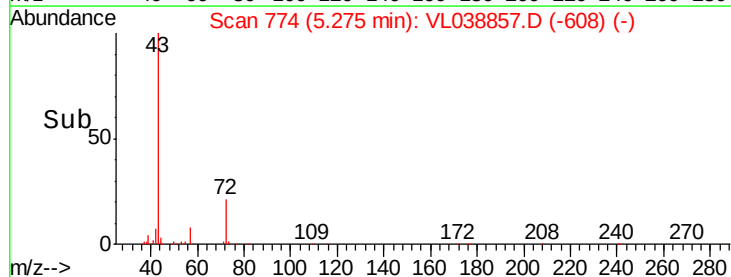
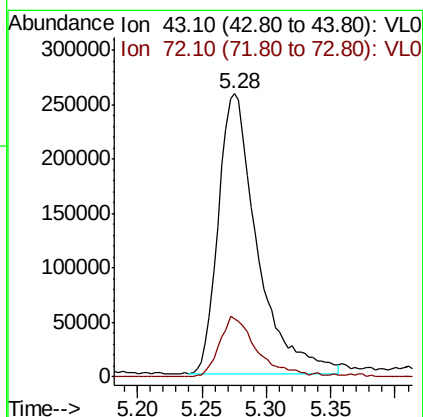
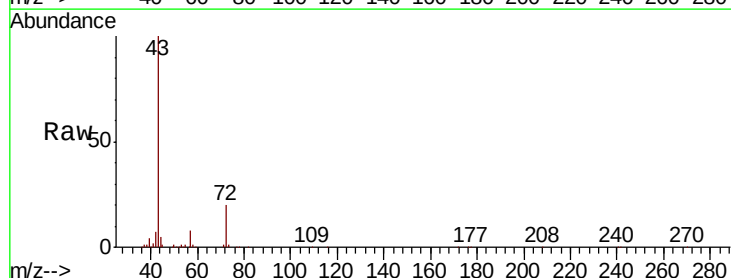
Manual Integrations
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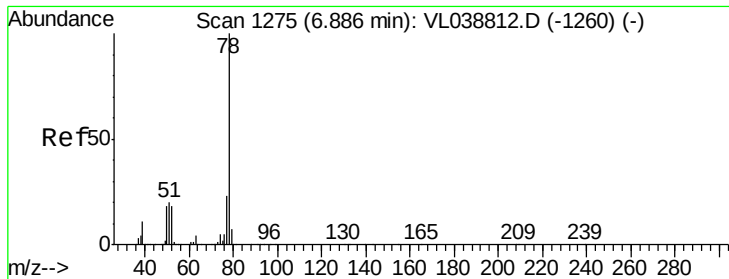
Reviewed By : Semsettin Yesilyurt 04/09/2022
 Supervised By : Mahesh Dadoda 04/11/2022



#34
 2-Butanone
 Concen: 4.669 ppbv
 RT: 5.28 min Scan# 774
 Delta R.T.: 0.04 min
 Lab File: VL038857.D
 Acq: 8 Apr 2022 1:25

Tgt Ion: 43 Resp: 541312
 Ion Ratio Lower Upper
 43 100
 72 20.6 16.9 25.3



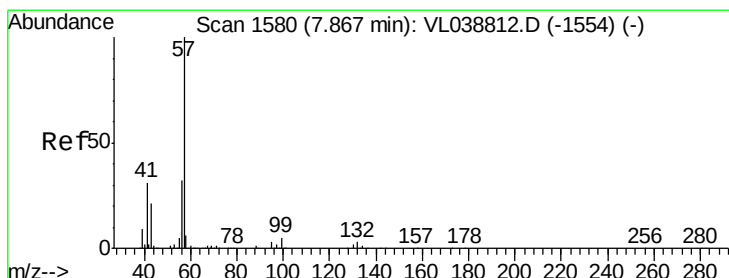
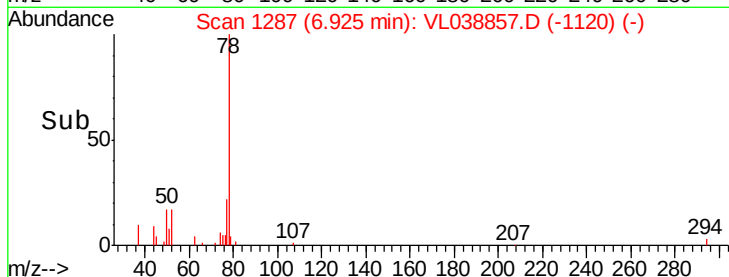
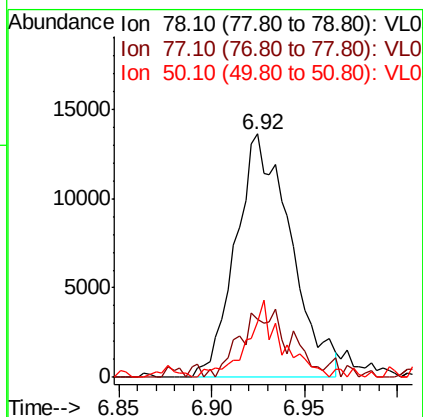
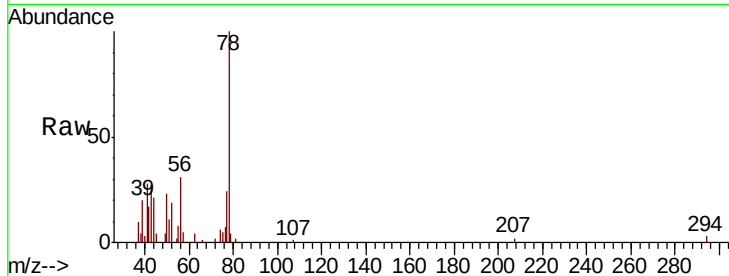


#36
Benzene
Concen: 0.104 ppbv m
RT: 6.92
Instrument: MSVOA_L
Delta R.T.
Lab File: ClientSampleId :
Acq: 8 Apr 2022 1:25

Tot Ion:
Ion Ratio
78 100
77 23.
50 22.

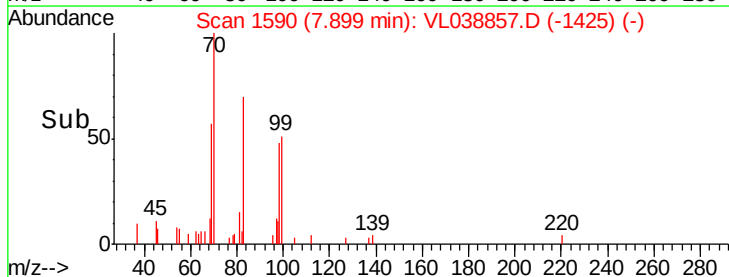
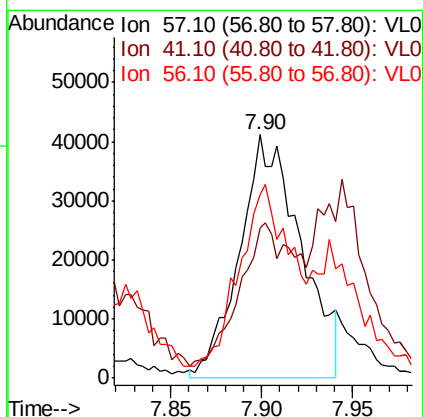
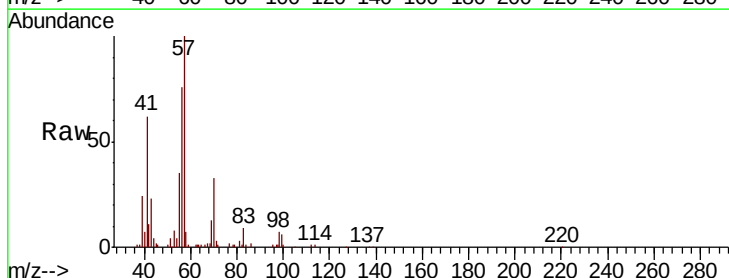
Manual Integrations
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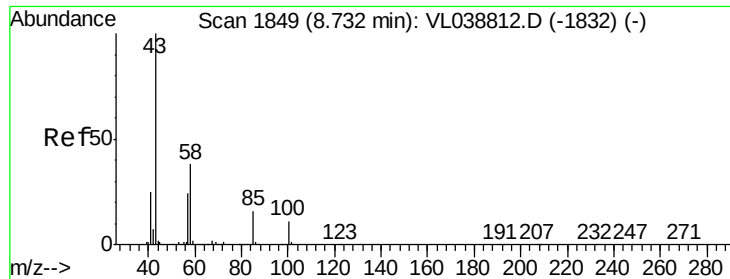
Reviewed By :Semsettin Yesilyurt 04/09/2022
Supervised By :Mahesh Dadoda 04/11/2022



#44
2,2,4-Trimethylpentane
Concen: 0.212 ppbv m
RT: 7.90 min Scan# 1590
Delta R.T. 0.03 min
Lab File: VL038857.D
Acq: 8 Apr 2022 1:25

Tgt Ion: 57 Resp: 95692
Ion Ratio Lower Upper
57 100
41 0.0 25.0 37.4#
56 0.0 25.3 37.9#



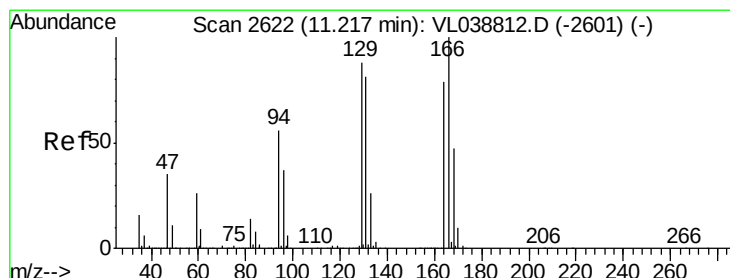
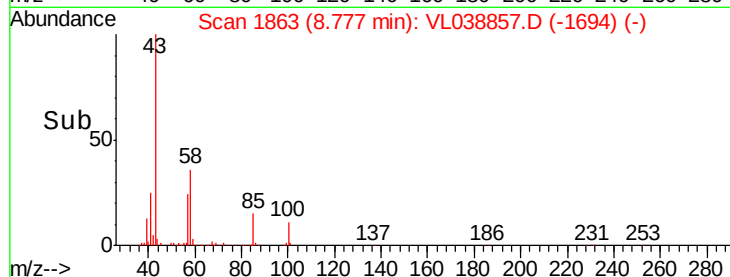
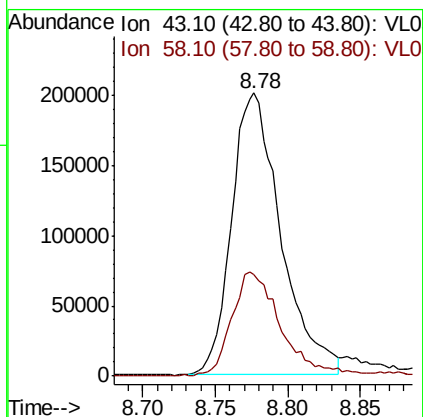
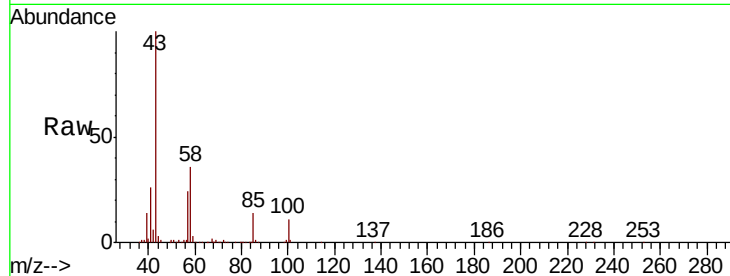


#50
4-Methyl-2-pentanone
Concen: 1.803 ppbv
RT: 8.78
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId :
1160-1-SG-4DL
Acq: 8 Apr 2022 1:25

Tot Ion:
Ion Ratio
43 100
58 38.

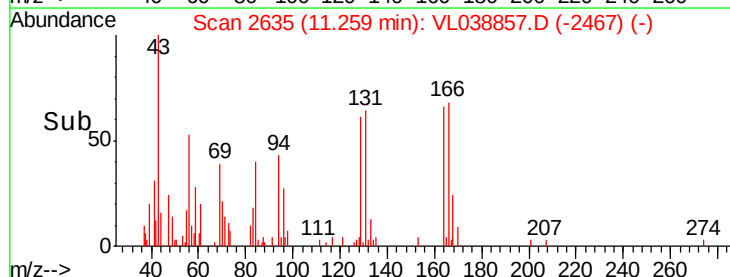
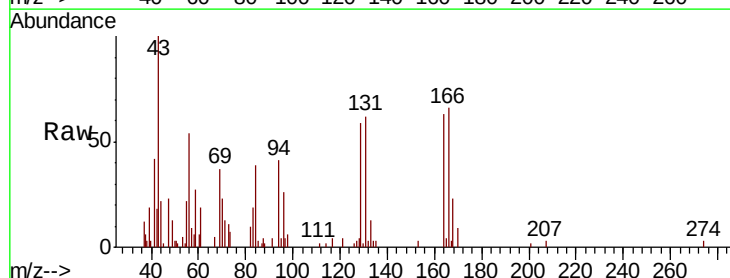
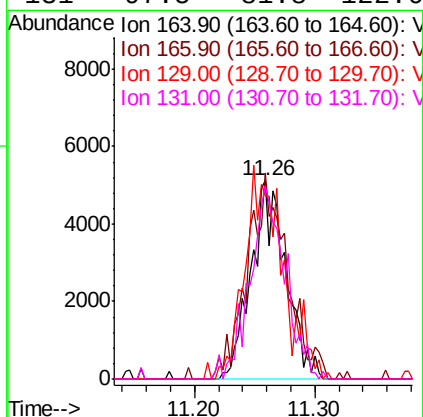
Manual Integrations
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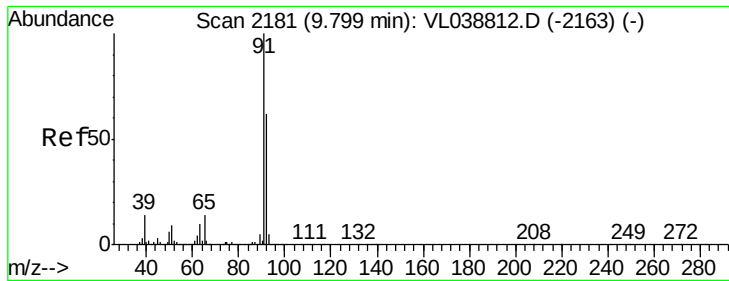
Reviewed By :Semsettin Yesilyurt 04/09/2022
Supervised By :Mahesh Dadoda 04/11/2022



#52
Tetrachloroethene
Concen: 0.111 ppbv m
RT: 11.26 min Scan# 2635
Delta R.T. 0.04 min
Lab File: VL038857.D
Acq: 8 Apr 2022 1:25

Tgt Ion:164 Resp: 10338
Ion Ratio Lower Upper
164 100
166 103.8 101.0 151.6
129 92.5 88.7 133.1
131 97.5 81.8 122.6



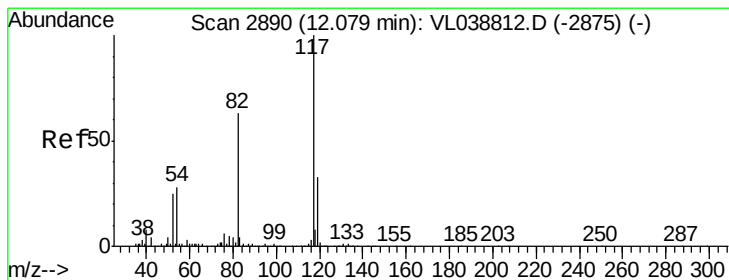
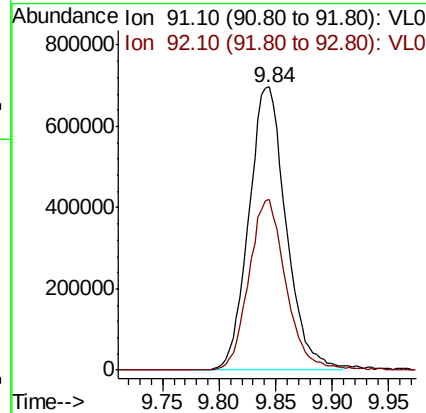
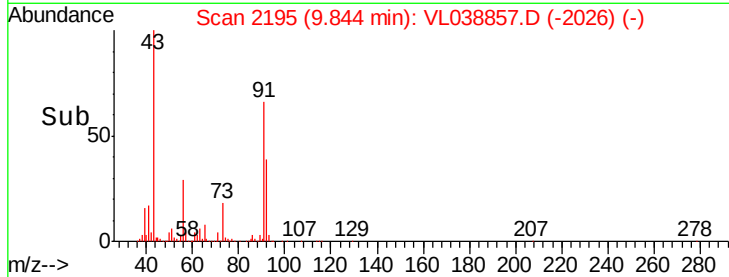
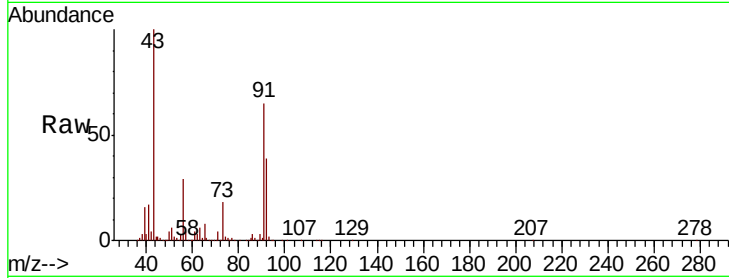


#53
Toluene
Concen: 5.192 ppbv
RT: 9.84
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 8 Apr 2022 1:25

Tot Ion:
Ion Ratio
91 100
92 60.

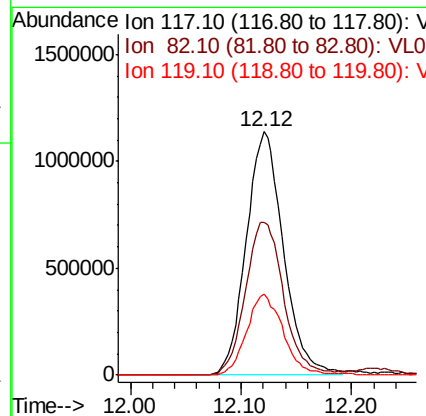
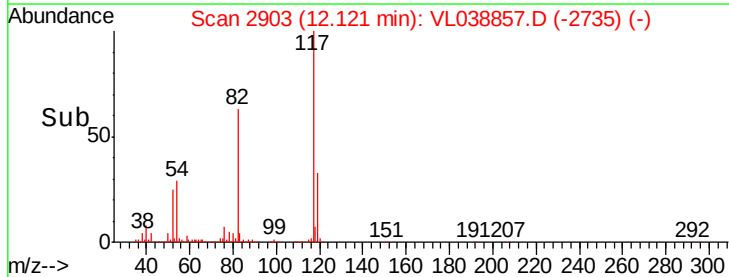
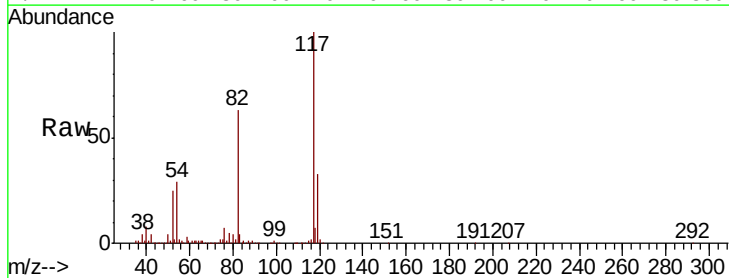
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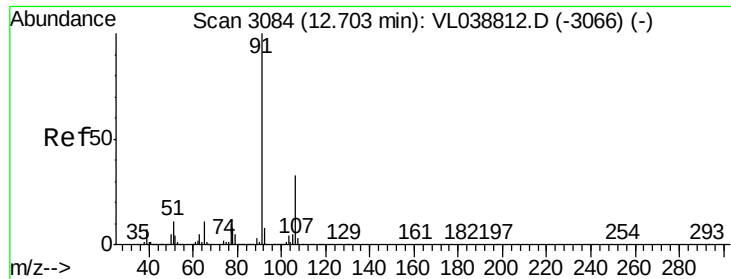
Reviewed By :Semsettin Yesilyurt 04/09/2022
Supervised By :Mahesh Dadoda 04/11/2022



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.12 min Scan# 2903
Delta R.T. 0.04 min
Lab File: VL038857.D
Acq: 8 Apr 2022 1:25

Tgt Ion:117 Resp: 2657060
Ion Ratio Lower Upper
117 100
82 64.8 53.0 79.6
119 33.1 24.9 37.3



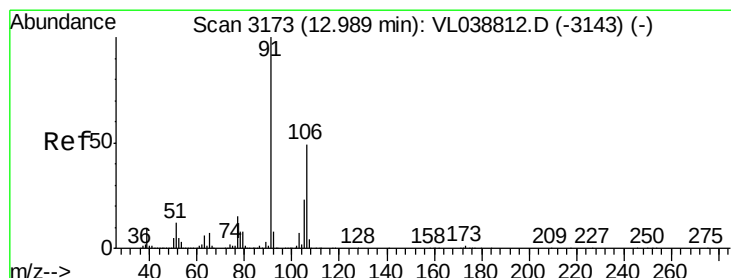
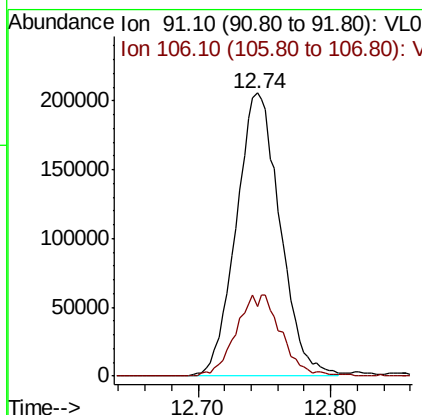
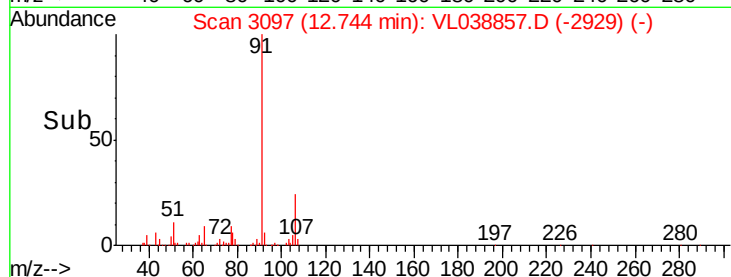
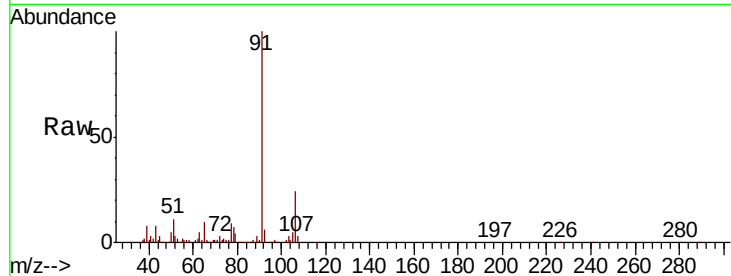


#58
Ethyl Benzene
Concen: 1.184 ppbv
RT: 12.74
Instrument : MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 8 Apr 2022 1:25

Tot Ion:
Ion Ratio
91 100
106 24.

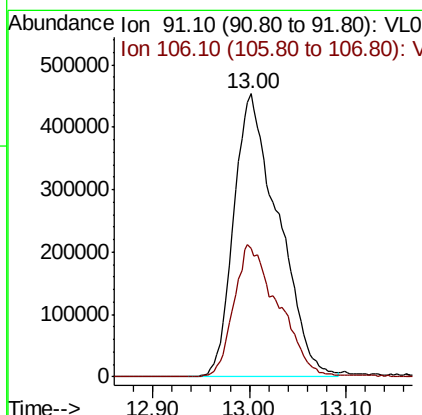
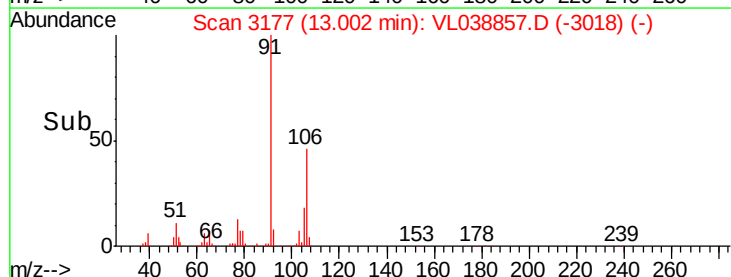
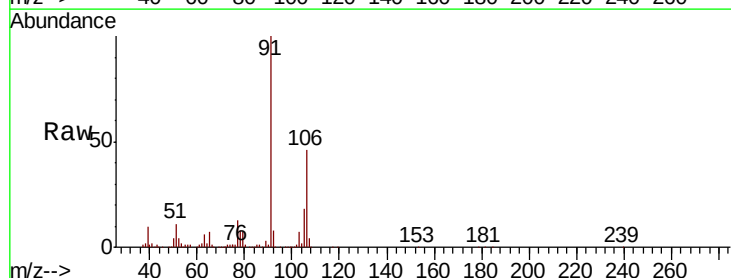
Manual Integrations
APPROVED

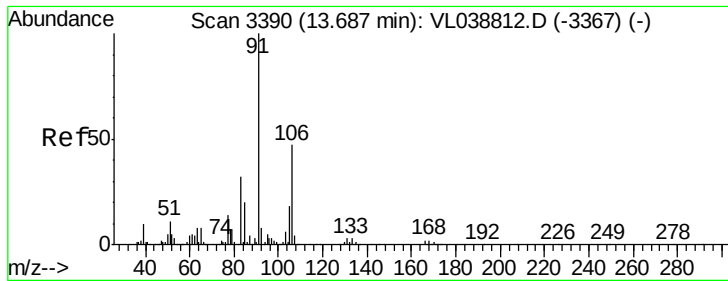
Reviewed By :Semsettin Yesilyurt 04/09/2022
Supervised By :Mahesh Dadoda 04/11/2022



#59
m/p-Xylene
Concen: 4.326 ppbv
RT: 13.00 min Scan# 3177
Delta R.T. 0.01 min
Lab File: VL038857.D
Acq: 8 Apr 2022 1:25

Tgt Ion: 91 Resp: 1443073
Ion Ratio Lower Upper
91 100
106 47.5 37.1 55.7



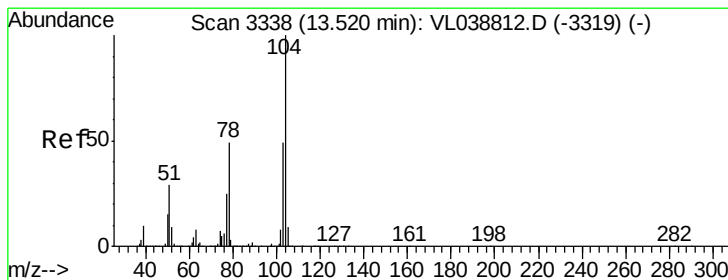
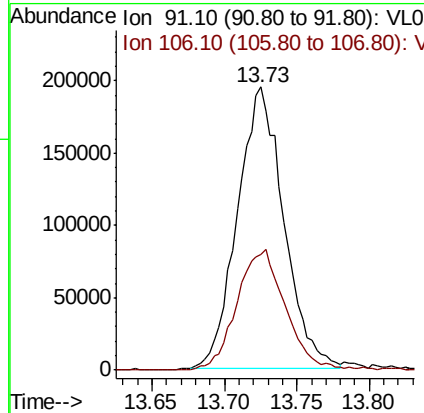
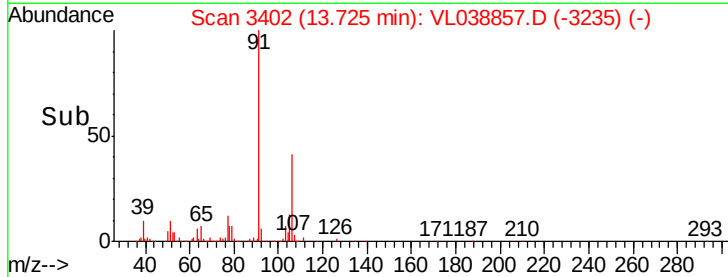
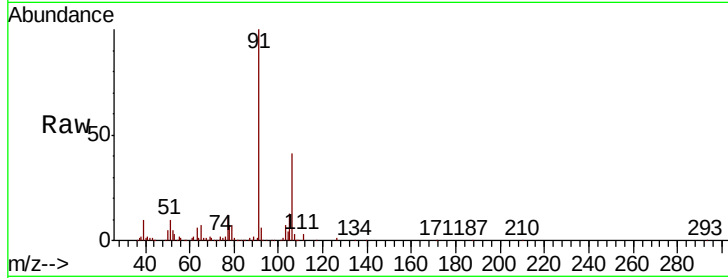


#60
o-Xylene
Concen: 1.392 ppbv
RT: 13.73
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 8 Apr 2022 1:25

Tot Ion:
Ion Ratio
91 100
106 45.

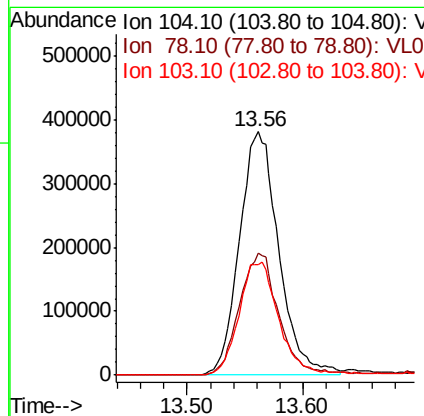
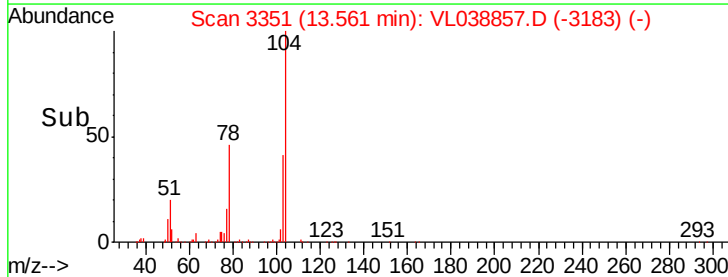
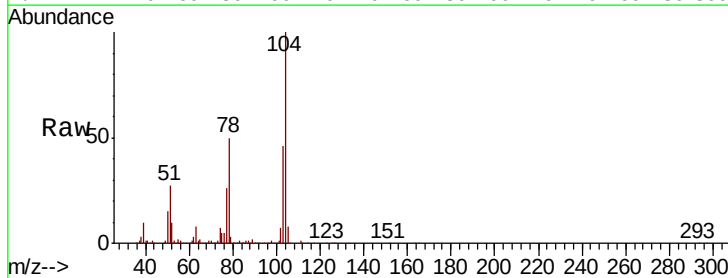
Manual Integrations
APPROVED

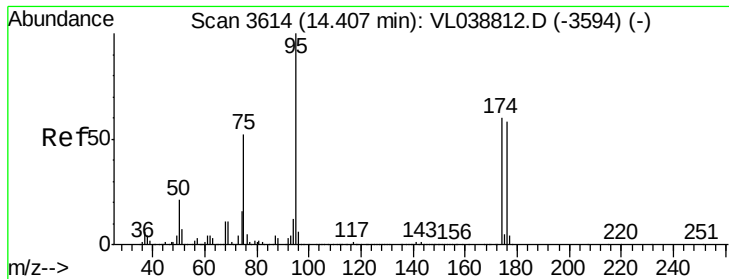
Reviewed By :Semsettin Yesilyurt 04/09/2022
Supervised By :Mahesh Dadoda 04/11/2022



#61
Styrene
Concen: 4.731 ppbv
RT: 13.56 min Scan# 3351
Delta R.T. 0.04 min
Lab File: VL038857.D
Acq: 8 Apr 2022 1:25

Tgt Ion:104 Resp: 899584
Ion Ratio Lower Upper
104 100
78 50.7 40.5 60.7
103 47.7 39.0 58.4





#68

1-Bromo-4-Fluorobenzene

Concen: 10.357 ppbv

RT: 14.45

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 8 Apr 2022 1:25

Tot Ion:

Ion Ratio

95 100

174 62.

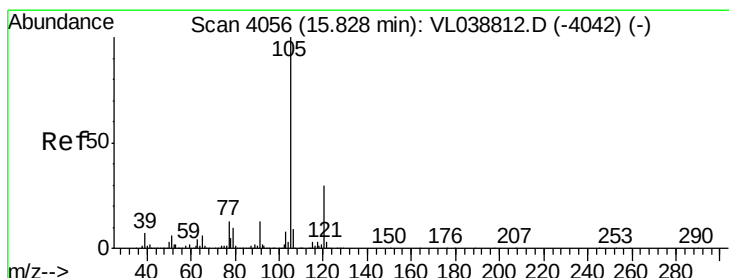
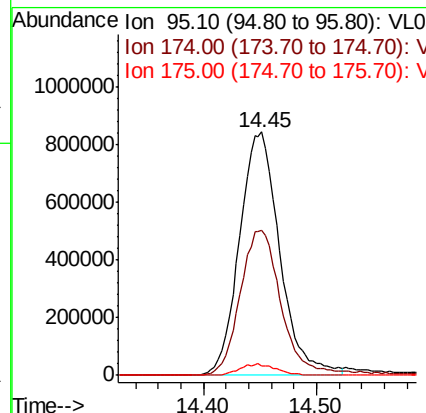
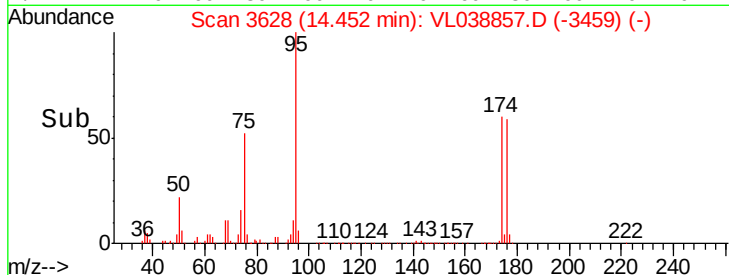
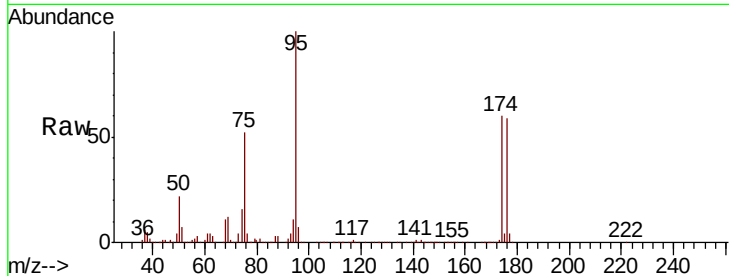
175 4.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/09/2022

Supervised By :Mahesh Dadoda 04/11/2022



#72

4-Ethyltoluene

Concen: 0.325 ppbv

RT: 15.87 min Scan# 4070

Delta R.T. 0.04 min

Lab File: VL038857.D

Acq: 8 Apr 2022 1:25

Tgt Ion:105 Resp: 121135

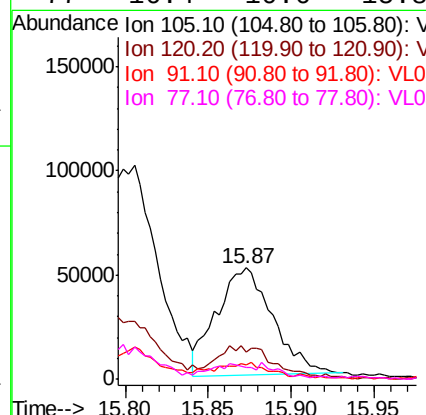
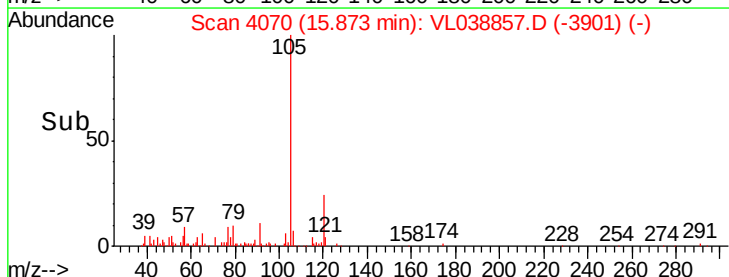
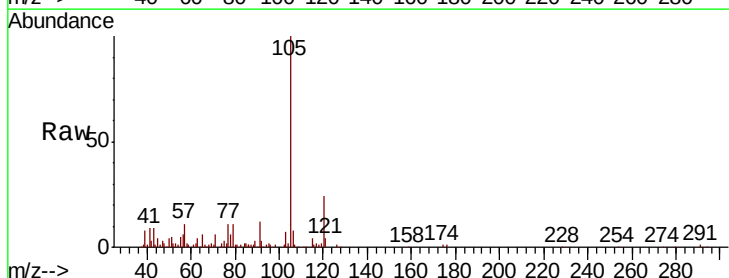
Ion Ratio Lower Upper

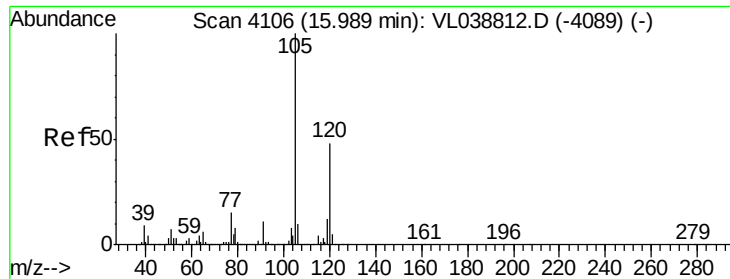
105 100

120 32.5 24.3 36.5

91 14.4 9.4 14.2#

77 16.4 10.6 15.8#



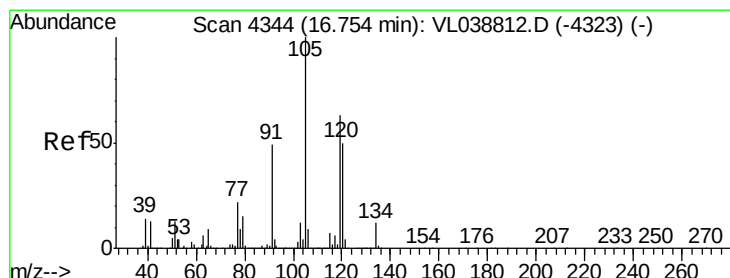
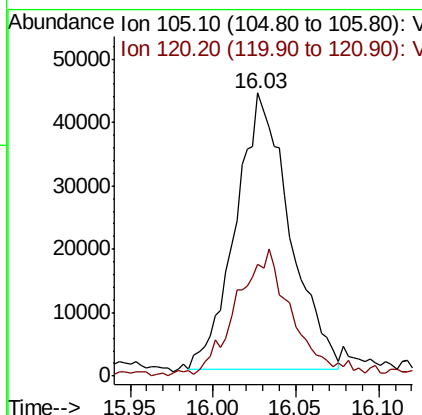
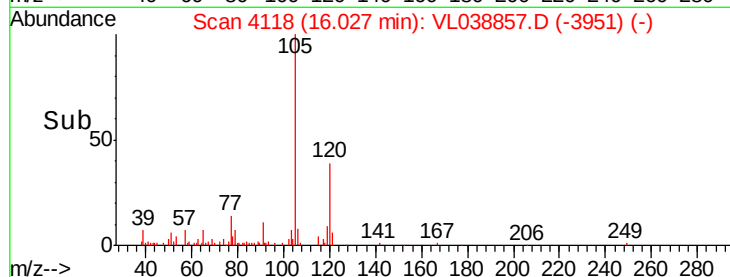
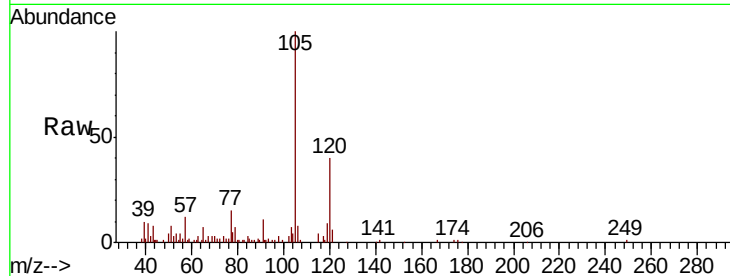


#73
 1,3,5-Trimethylbenzene
 Concen: 0.296 ppbv
 RT: 16.03
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId:
 1160-1-SG-4DL
 Acq: 8 Apr 2022 1:25

Tot Ion:1
 Ion Rati
 105 100
 120 38.

Manual Integrations
 APPROVED

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



#74
 1,2,4-Trimethylbenzene
 Concen: 0.838 ppbv
 RT: 16.80 min Scan# 4357
 Delta R.T. 0.04 min
 Lab File: VL038857.D
 Acq: 8 Apr 2022 1:25

Tgt Ion:105 Resp: 296450
 Ion Ratio Lower Upper
 105 100
 120 40.5 39.8 59.8
 91 10.3 39.4 59.0#
 77 14.5 17.3 25.9#

