

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050522\
 Data File : VL038973.D
 Acq On : 5 May 2022 15:21
 Operator : SY/AP
 Sample : N2698-02
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 IA1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/07/2022
 Supervised By :Mahesh Dadoda 05/09/2022

Quant Time: May 06 08:19:16 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050522A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Thu May 05 07:41:27 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1183628	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3143841	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	2737497	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2213320	10.21	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	60259	0.325	ppbv	100
3) Chlorodifluoromethane	2.99	51	65398m	0.445	ppbv	
4) Chloromethane	3.14	50	34882	0.474	ppbv	95
9) Propene	3.02	41	199879m	3.116	ppbv	
11) Trichlorofluoromethane	3.95	101	34111	0.214	ppbv	90
13) Ethanol	3.60	45	1585717	316.590	ppbv	88
15) Acetone	3.84	43	1254523	11.236	ppbv	99
19) Isopropyl Alcohol	3.96	45	213830	4.028	ppbv #	88
20) Methylene Chloride	4.34	84	88301	2.098	ppbv	98
26) Hexane	5.68	57	210046	1.769	ppbv #	45
34) 2-Butanone	5.25	43	36458	0.227	ppbv #	78
35) Carbon Tetrachloride	7.01	117	11518m	0.056	ppbv	
36) Benzene	6.88	78	41833m	0.155	ppbv	
52) Tetrachloroethene	11.21	164	17136	0.178	ppbv	91
53) Toluene	9.80	91	114402	0.379	ppbv	99
58) Ethyl Benzene	12.71	91	16962424	43.056	ppbv #	78
59) m/p-Xylene	12.99	91	38361446	114.062	ppbv #	66
60) o-Xylene	13.69	91	20913653	66.068	ppbv	85
62) Isopropylbenzene	14.65	105	387673	0.959	ppbv	98

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL050522\
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Acq On : 5 May 2022 15:21
Operator : SY/AP
Sample : N2698-02
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA1

Manual Integrations
APPROVED

Quant Time: May 06 08:19:16 2022

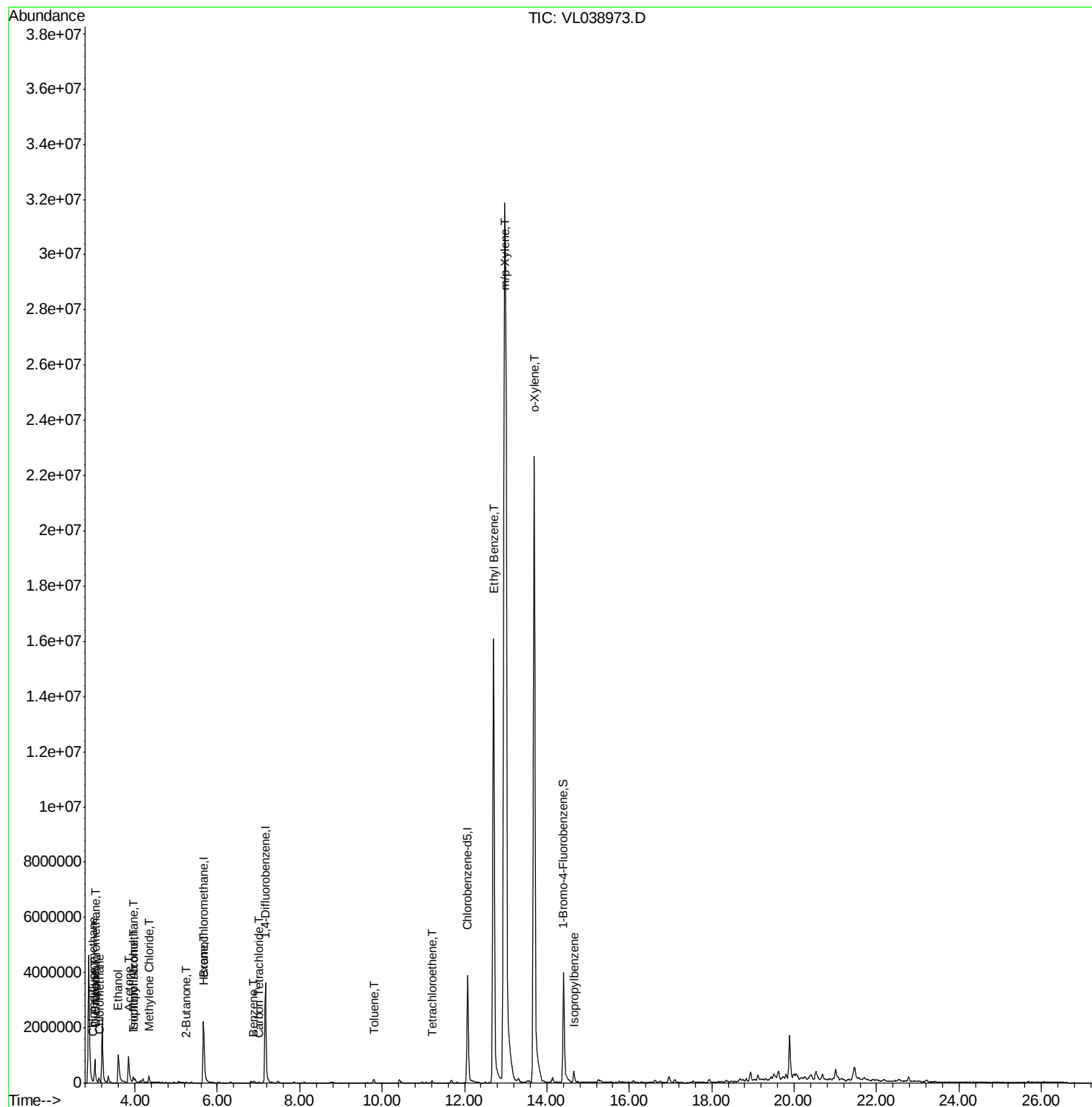
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL050522

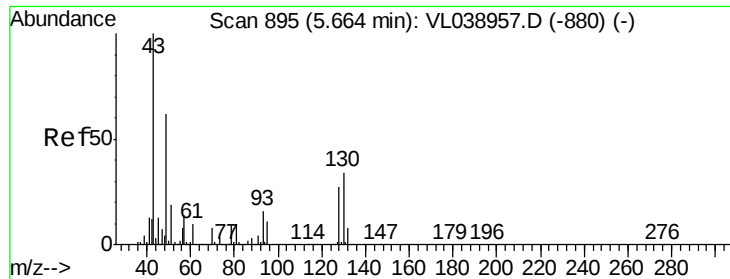
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:

QLast Update : Thu May 05 07:41:27 2022

Response via : Initial Calibration

Reviewed By :Semsettin Yesilyurt 05/07/2022
Supervised By :Mahesh Dadoda 05/09/2022





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 5 May 2022 15:21

Tot Ion:

Ion Ratio

49 100

128 50.

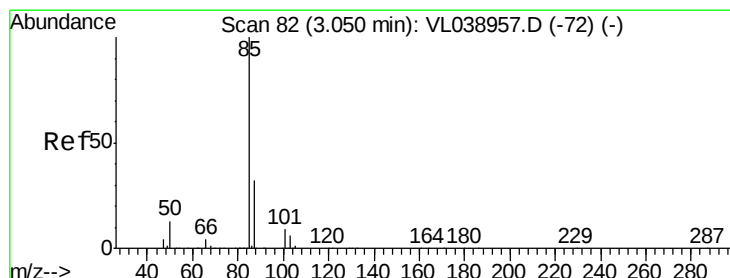
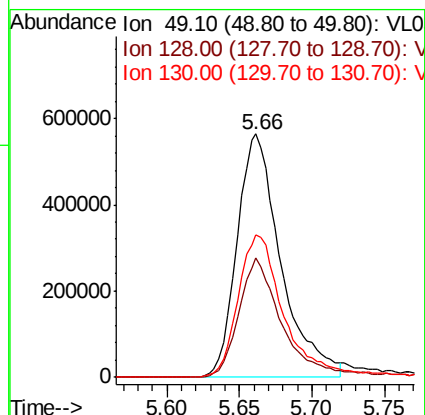
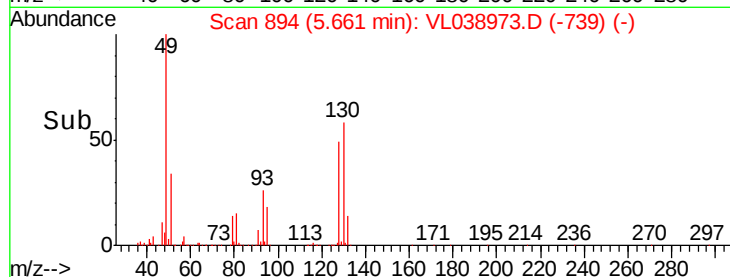
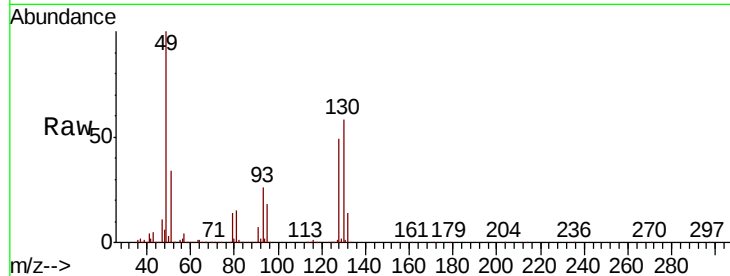
130 64.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/07/2022

Supervised By :Mahesh Dadoda 05/09/2022



#2

Dichlorodifluoromethane

Concen: 0.325 ppbv

RT: 3.05 min Scan# 81

Delta R.T. -0.00 min

Lab File: VL038973.D

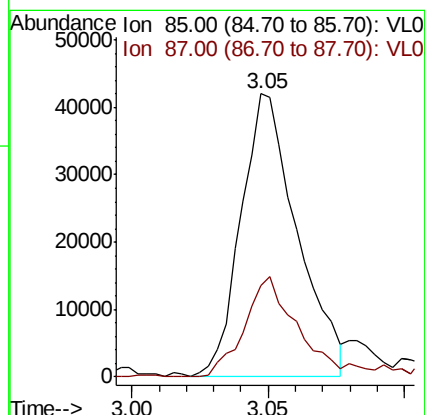
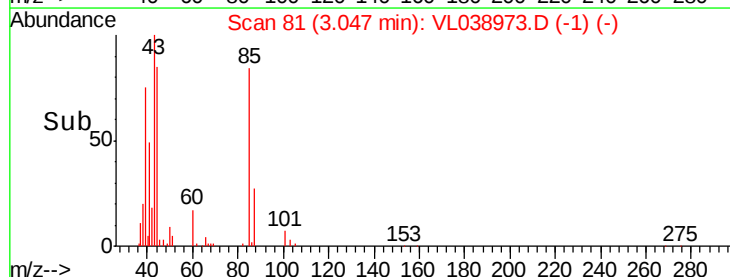
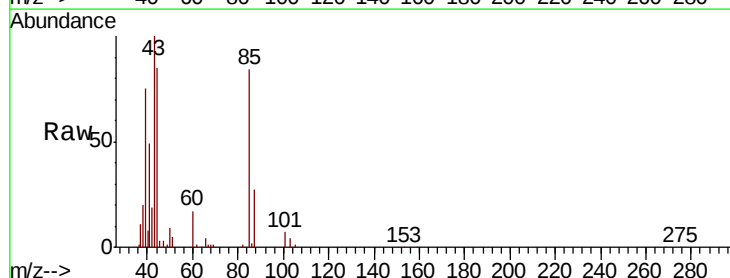
Acq: 5 May 2022 15:21

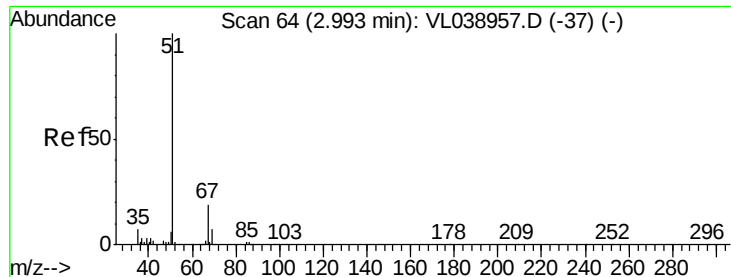
Tgt Ion: 85 Resp: 60259

Ion Ratio Lower Upper

85 100

87 32.1 25.7 38.5



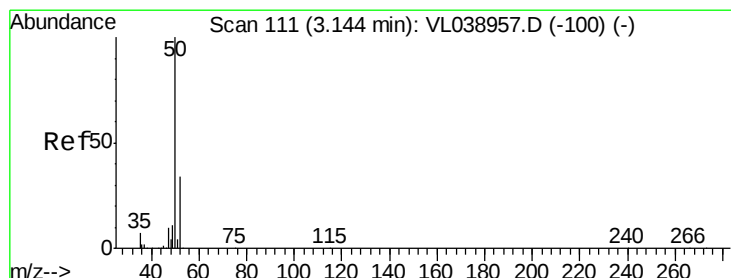
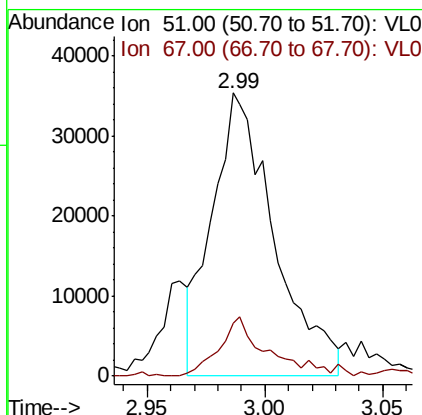
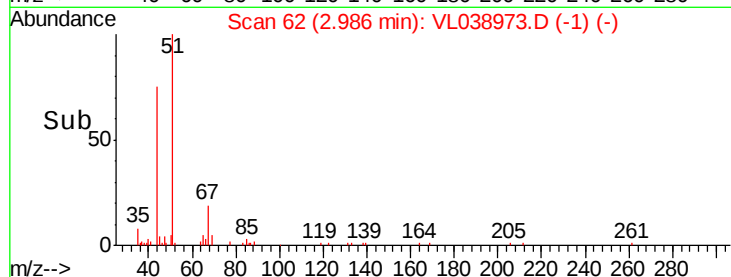
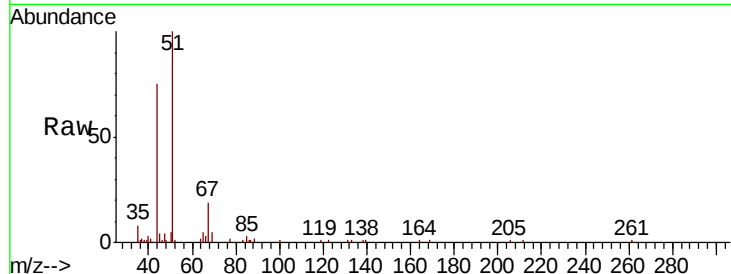


#3
Chlorodifluoromethane
Concen: 0.445 ppbv m
RT: 2.99
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId :
Acq: 5 May 2022 15:21

Tot Ion:
Ion Ratio
51 100
67 1.

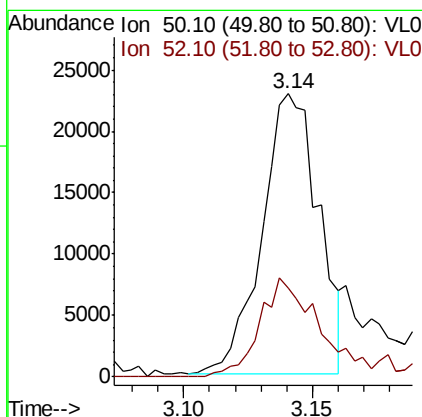
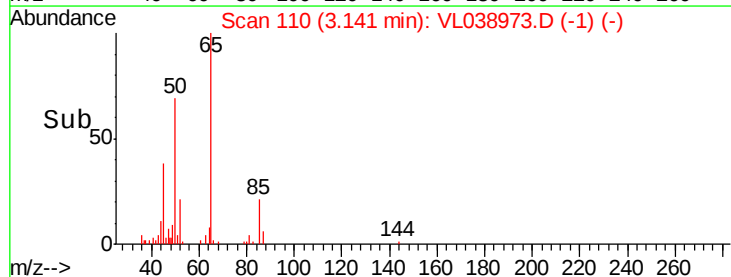
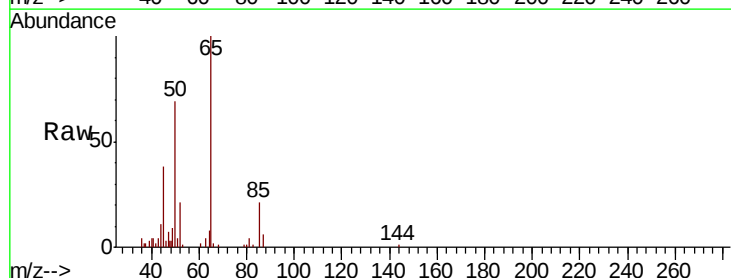
Manual Integrations
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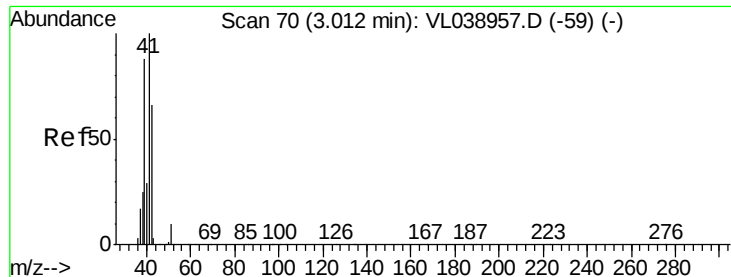
Reviewed By :Semsettin Yesilyurt 05/07/2022
Supervised By :Mahesh Dadoda 05/09/2022



#4
Chloromethane
Concen: 0.474 ppbv
RT: 3.14 min Scan# 110
Delta R.T. -0.00 min
Lab File: VL038973.D
Acq: 5 May 2022 15:21

Tgt Ion: 50 Resp: 34882
Ion Ratio Lower Upper
50 100
52 31.5 27.3 40.9





#9

Propene

Concen: 3.116 ppbv m

RT: 3.02 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampled :

Acq: 5 May 2022 15:21

Tot Ion:

Ion Ratio

41 100

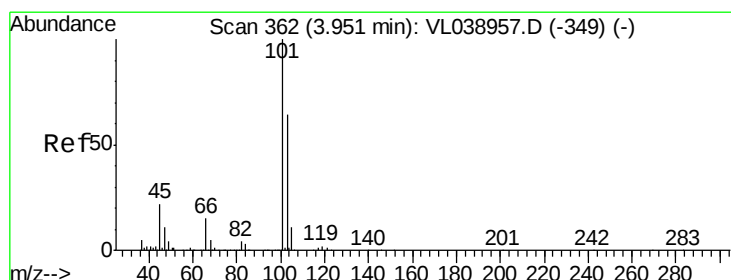
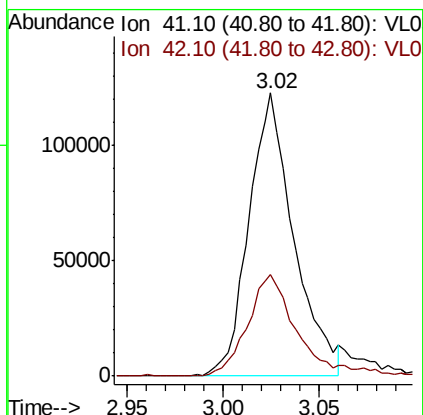
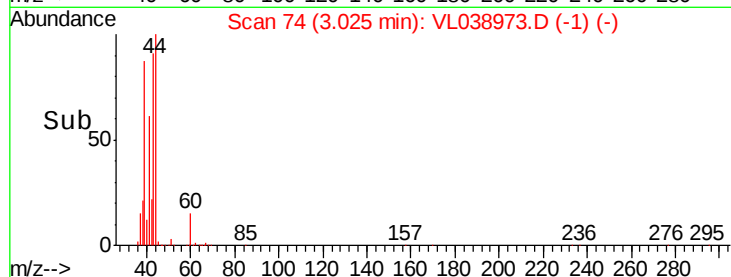
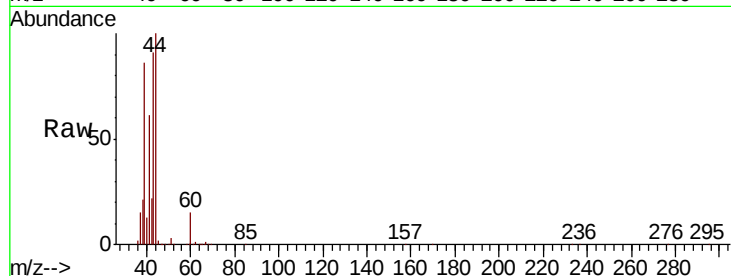
42 294.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/07/2022

Supervised By :Mahesh Dadoda 05/09/2022



#11

Trichlorofluoromethane

Concen: 0.214 ppbv

RT: 3.95 min Scan# 362

Delta R.T. 0.00 min

Lab File: VL038973.D

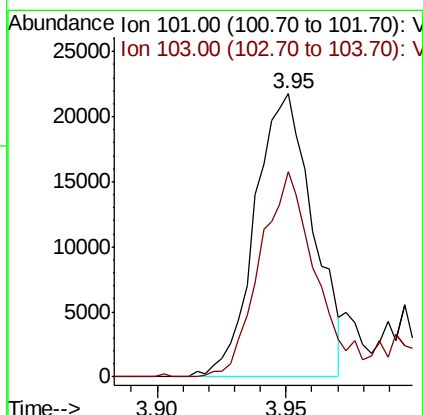
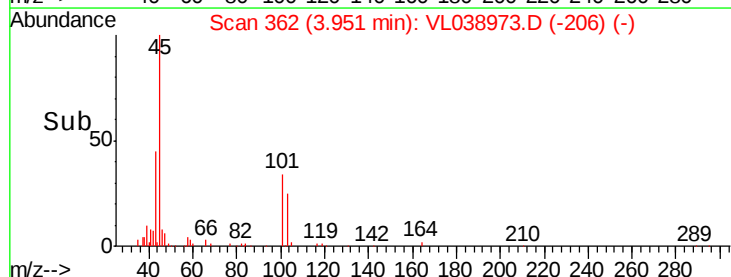
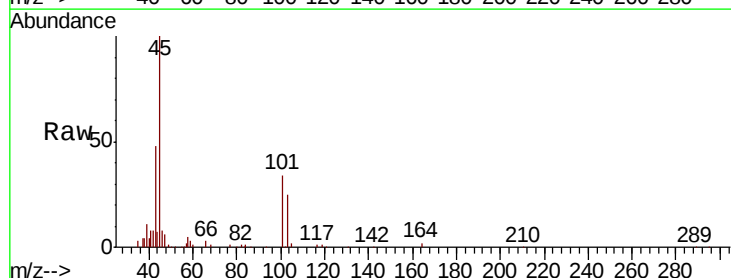
Acq: 5 May 2022 15:21

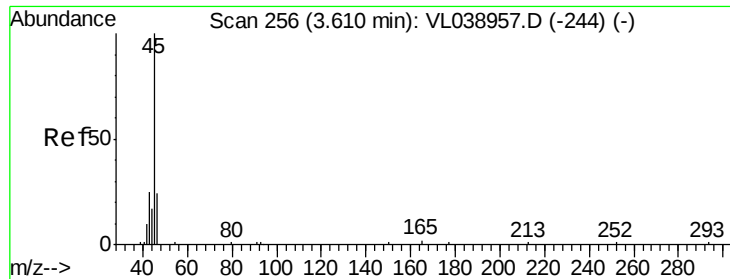
Tgt Ion:101 Resp: 34111

Ion Ratio Lower Upper

101 100

103 72.5 51.5 77.3



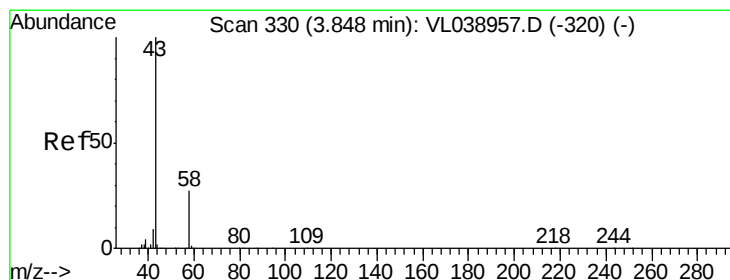
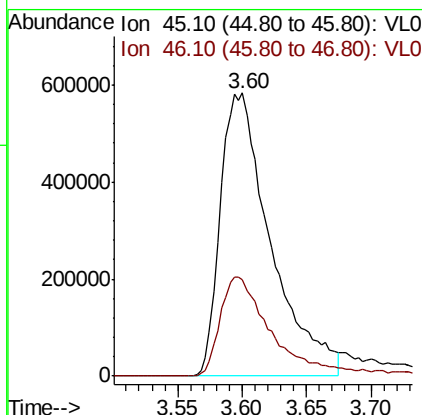
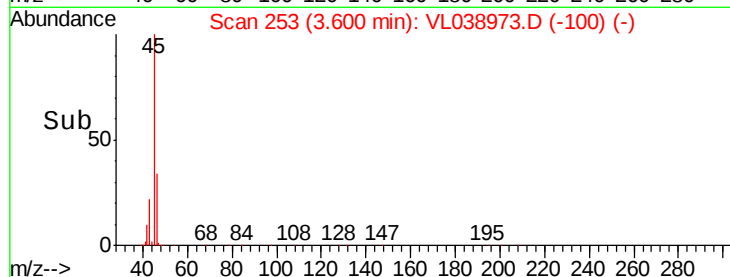
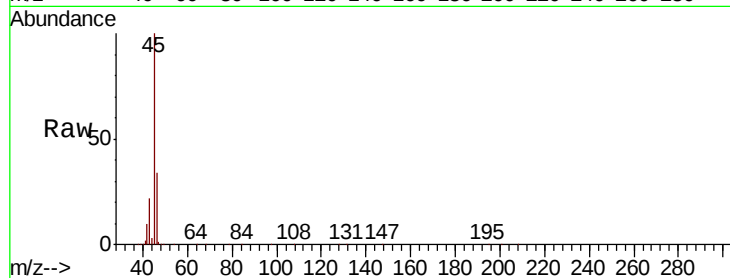


#13
Ethanol
Concen: 316.590 ppbv
RT: 3.60
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 5 May 2022 15:21

Tot Ion:
Ion Ratio
45 100
46 37.

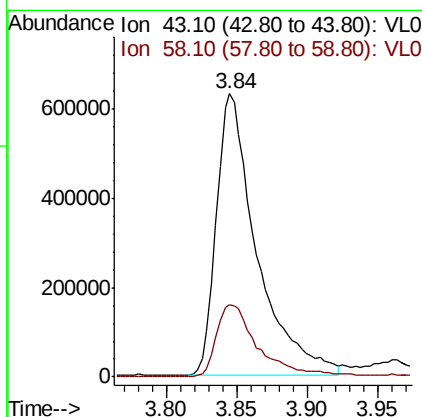
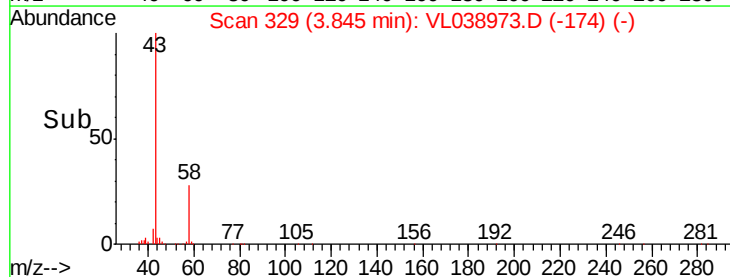
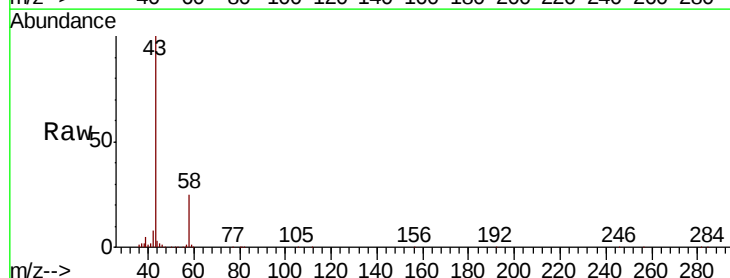
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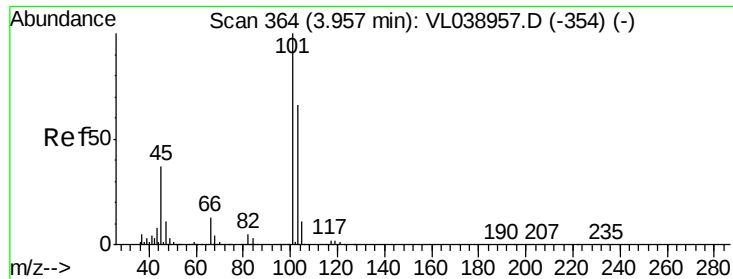
Reviewed By :Semsettin Yesilyurt 05/07/2022
Supervised By :Mahesh Dadoda 05/09/2022



#15
Acetone
Concen: 11.236 ppbv
RT: 3.84 min Scan# 329
Delta R.T. -0.00 min
Lab File: VL038973.D
Acq: 5 May 2022 15:21

Tgt Ion: 43 Resp: 1254523
Ion Ratio Lower Upper
43 100
58 27.1 21.3 31.9



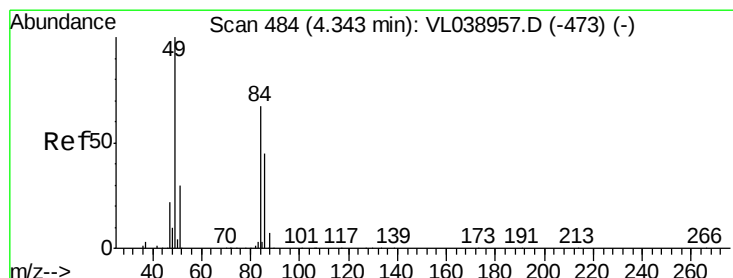
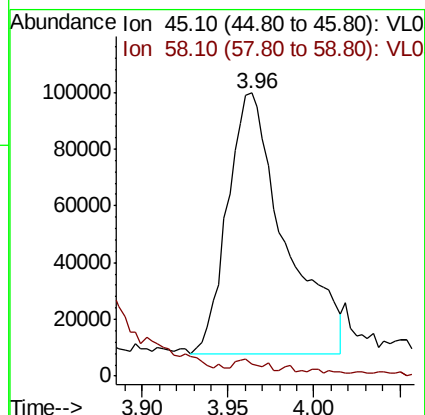
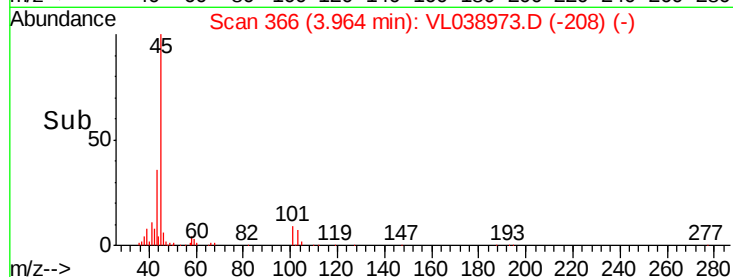
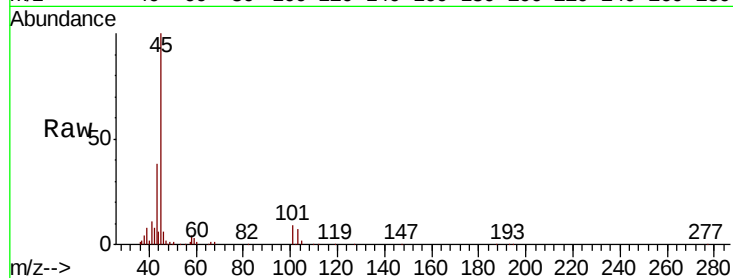


#19
Isopropyl Alcohol
Concen: 4.028 ppbv
RT: 3.96
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 5 May 2022 15:21

Tot Ion:
Ion Ratio
45 100
58 6.

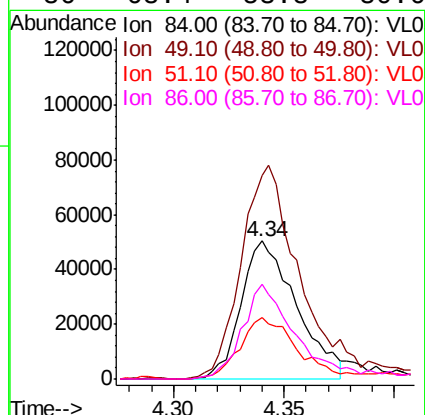
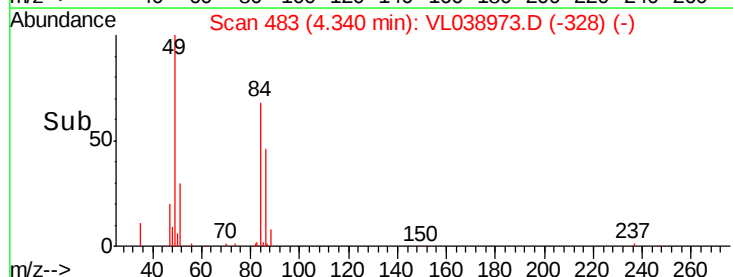
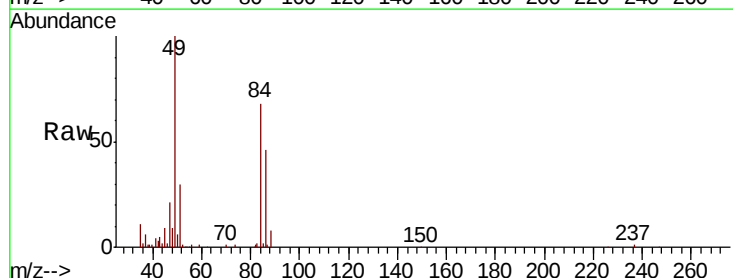
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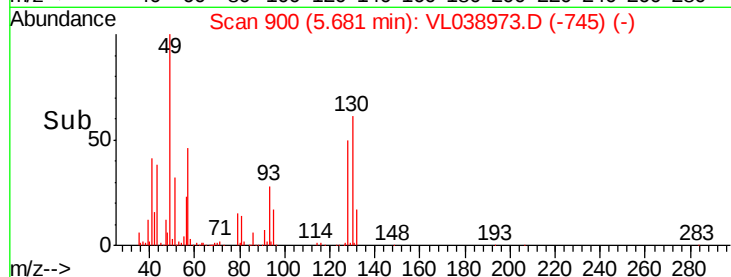
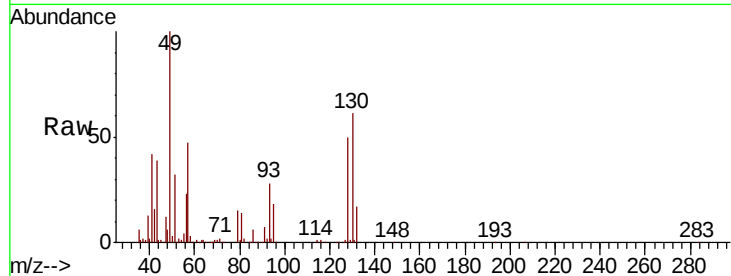
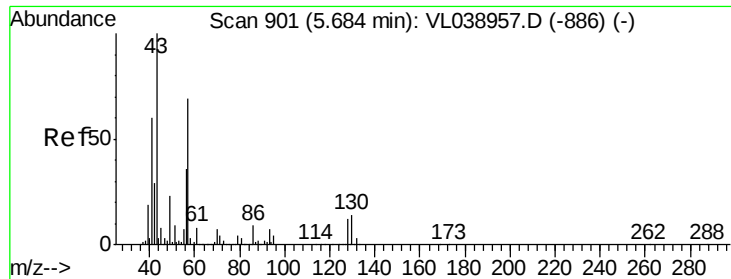
Reviewed By :Semsettin Yesilyurt 05/07/2022
Supervised By :Mahesh Dadoda 05/09/2022



#20
Methylene Chloride
Concen: 2.098 ppbv
RT: 4.34 min Scan# 483
Delta R.T. -0.00 min
Lab File: VL038973.D
Acq: 5 May 2022 15:21

Tgt Ion: 84 Resp: 88301
Ion Ratio Lower Upper
84 100
49 146.2 119.9 179.9
51 44.2 35.7 53.5
86 68.4 53.8 80.6



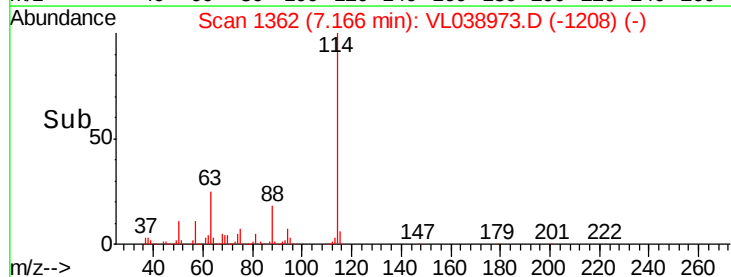
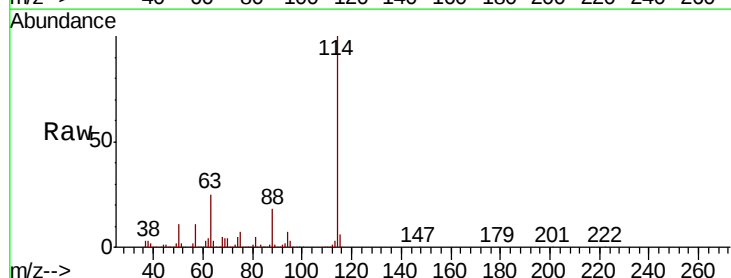
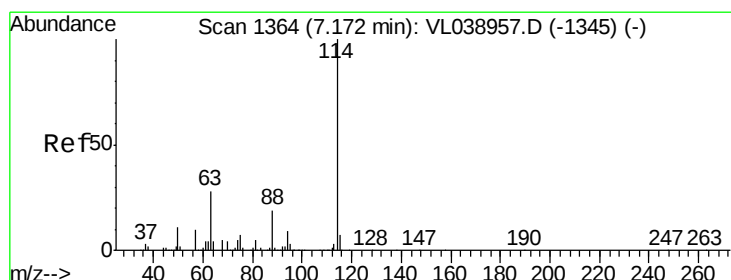
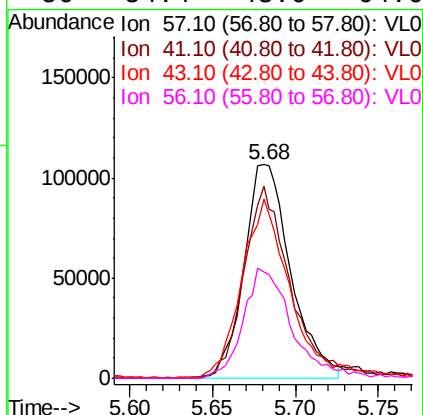


#26
Hexane
Concen: 1.769 ppbv
RT: 5.68
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 5 May 2022 15:21

Tot Ion: 57.10 (56.80 to 57.80): VL0
Ion Ratio 41.10 (40.80 to 41.80): VL0
43.10 (42.80 to 43.80): VL0
43 89.
56 54.4 43.0 64.6

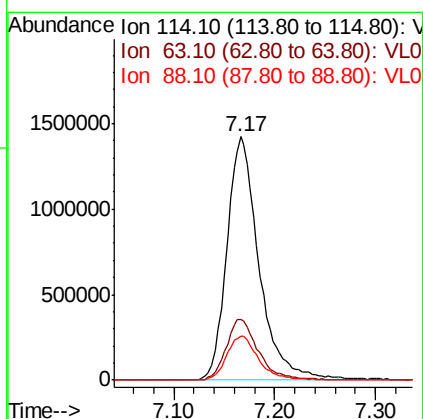
Manual Integrations
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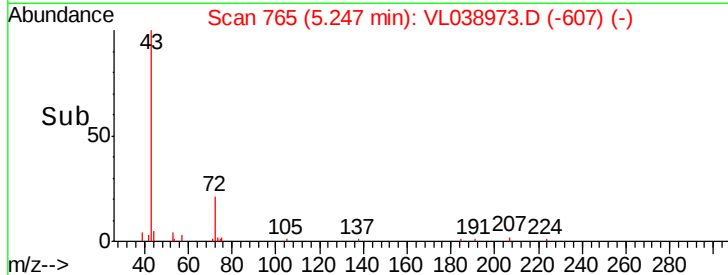
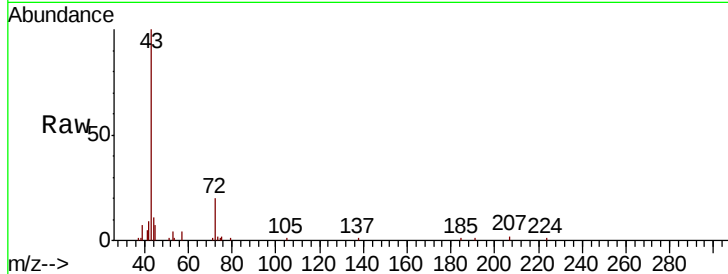
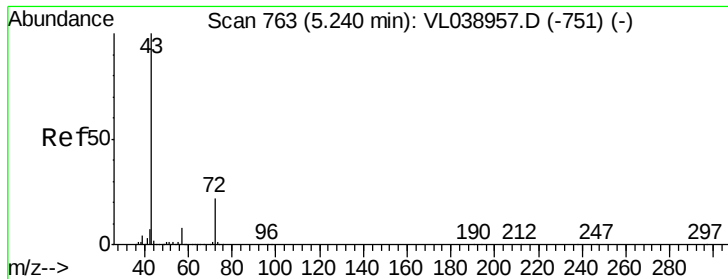
Reviewed By :Semsettin Yesilyurt 05/07/2022
Supervised By :Mahesh Dadoda 05/09/2022



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1362
Delta R.T. -0.01 min
Lab File: VL038973.D
Acq: 5 May 2022 15:21

Tgt Ion:114 Resp: 3143841
Ion Ratio Lower Upper
114 100
63 25.4 22.6 33.8
88 18.4 15.4 23.0



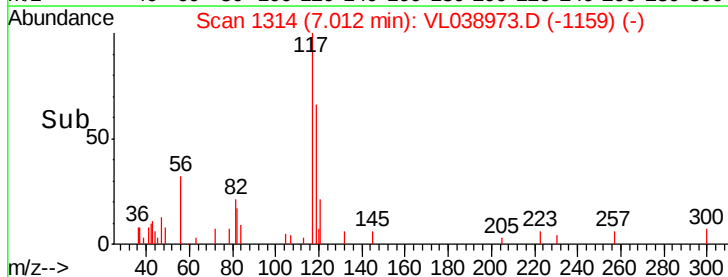
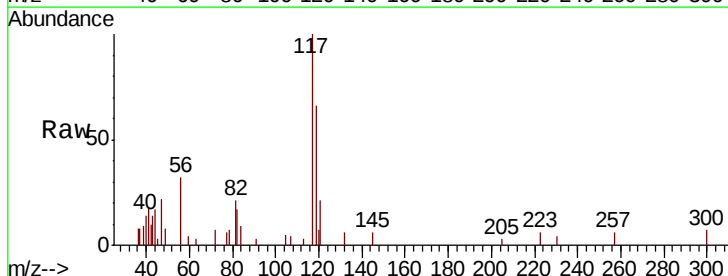
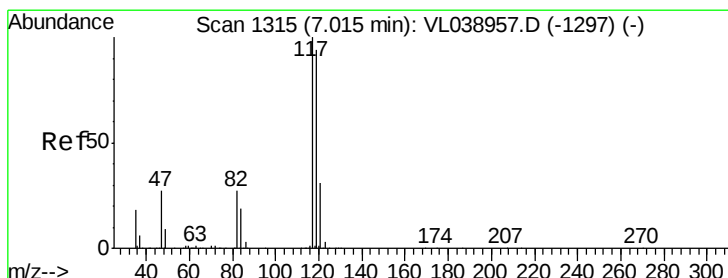
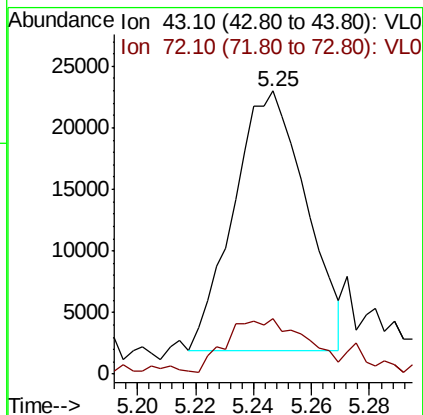


#34
2-Butanone
Concen: 0.227 ppbv
RT: 5.25
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 5 May 2022 15:21

Tot Ion:
Ion Ratio
43 100
72 32.

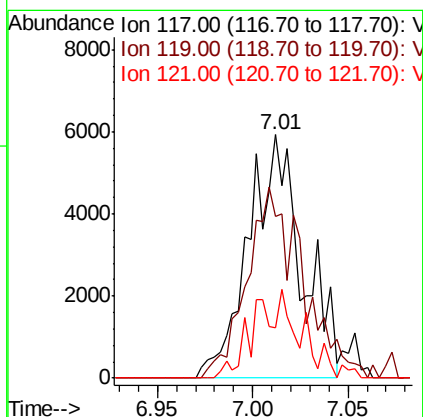
Manual Integrations
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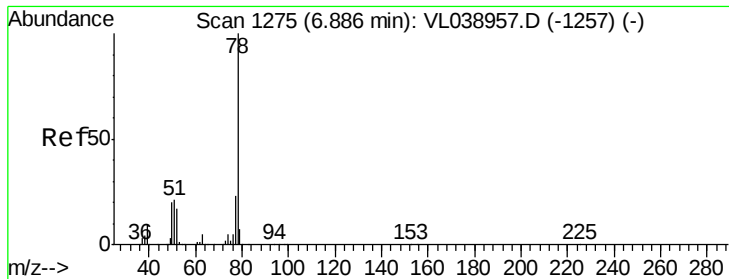
Reviewed By :Semsettin Yesilyurt 05/07/2022
Supervised By :Mahesh Dadoda 05/09/2022



#35
Carbon Tetrachloride
Concen: 0.056 ppbv m
RT: 7.01 min Scan# 1314
Delta R.T. -0.00 min
Lab File: VL038973.D
Acq: 5 May 2022 15:21

Tgt Ion:117 Resp: 11518
Ion Ratio Lower Upper
117 100
119 66.4 75.2 112.8#
121 20.6 24.6 37.0#



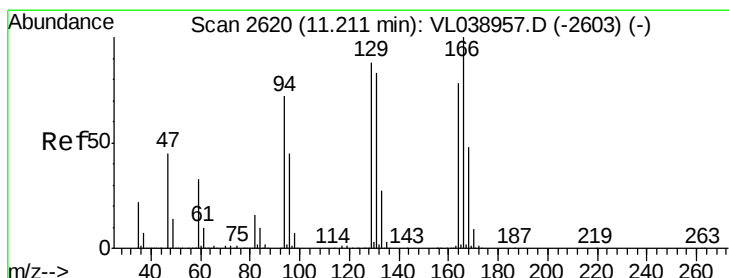
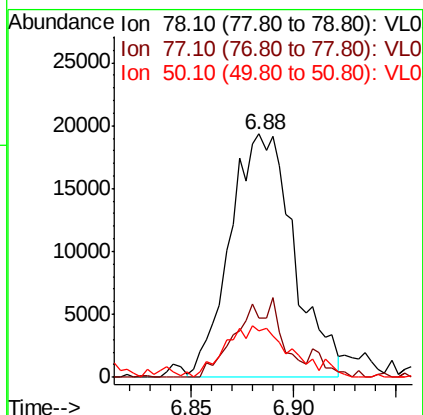
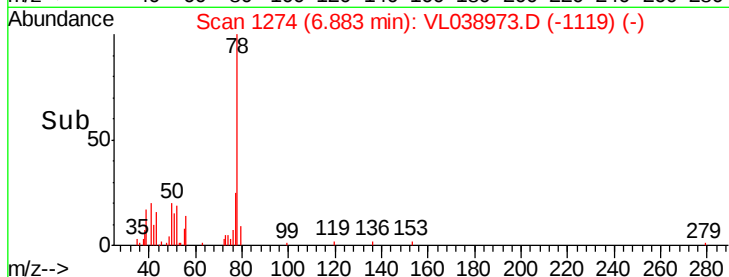
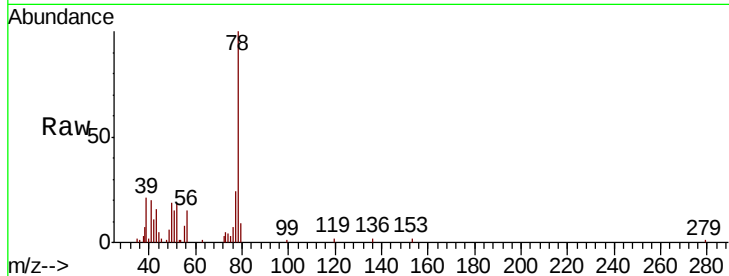


#36
Benzene
Concen: 0.155 ppbv m
RT: 6.88
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 5 May 2022 15:21

Tot Ion:
Ion Ratio
78 100
77 24.
50 19.

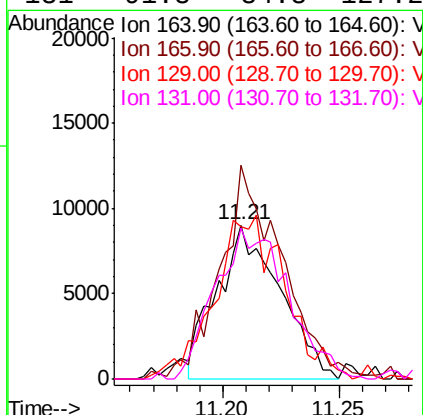
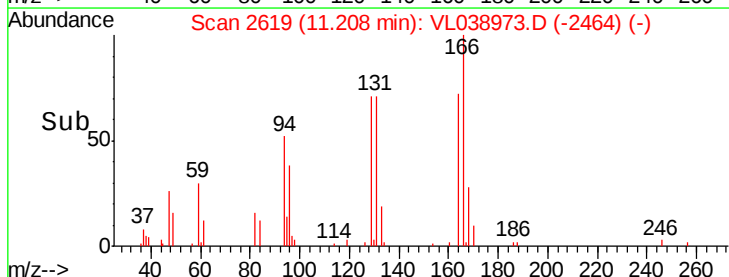
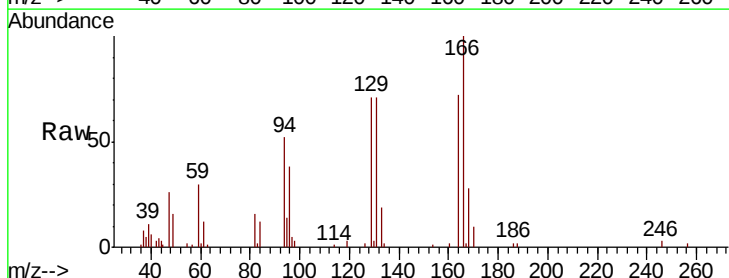
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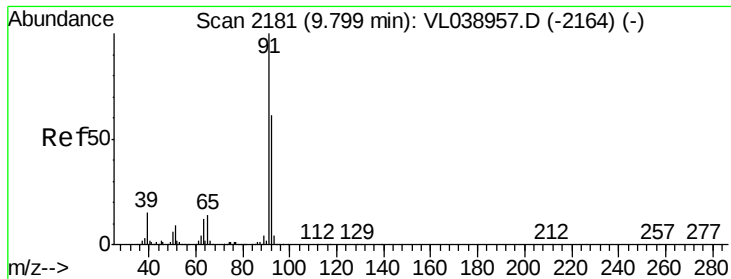
Reviewed By :Semsettin Yesilyurt 05/07/2022
Supervised By :Mahesh Dadoda 05/09/2022



#52
Tetrachloroethene
Concen: 0.178 ppbv
RT: 11.21 min Scan# 2619
Delta R.T. -0.00 min
Lab File: VL038973.D
Acq: 5 May 2022 15:21

Tgt Ion:164 Resp: 17136
Ion Ratio Lower Upper
164 100
166 129.8 102.5 153.7
129 97.3 90.1 135.1
131 91.8 84.8 127.2



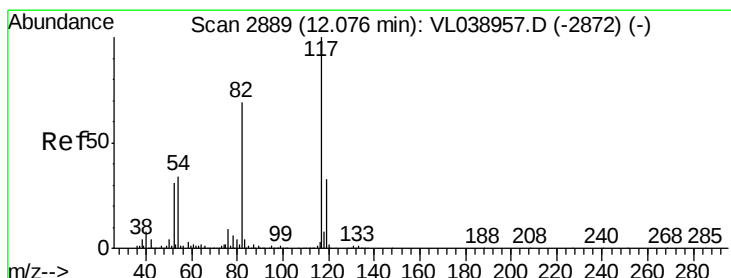
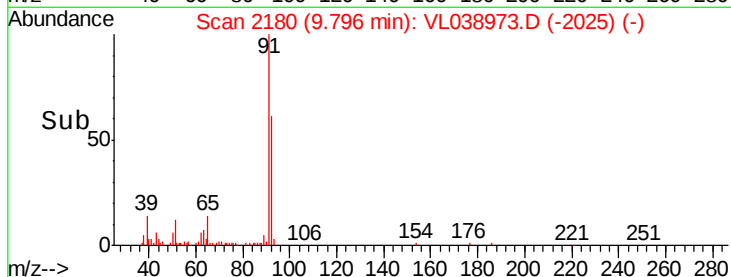
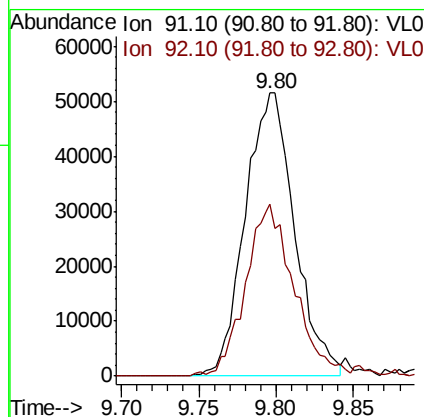
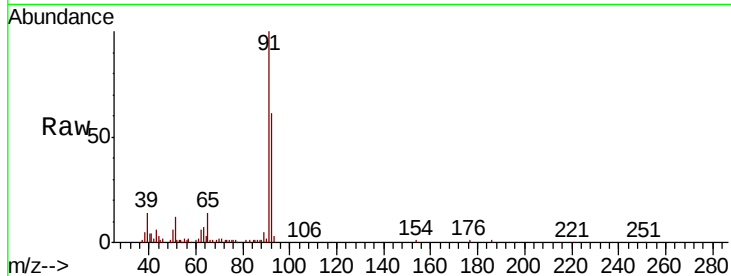


#53
Toluene
Concen: 0.379 ppbv
RT: 9.80
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 5 May 2022 15:21

Tot Ion:
Ion Ratio
91 100
92 60.

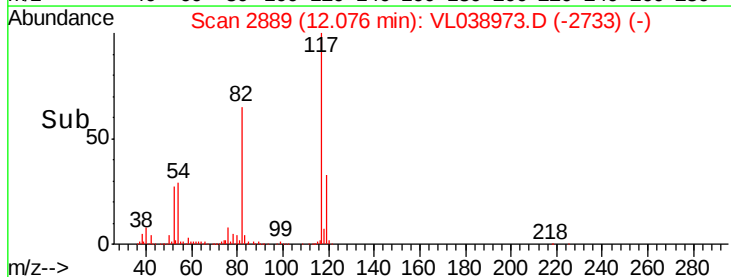
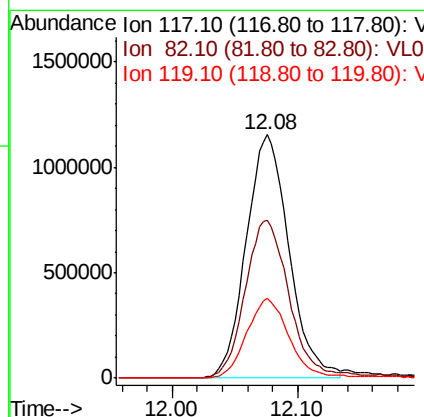
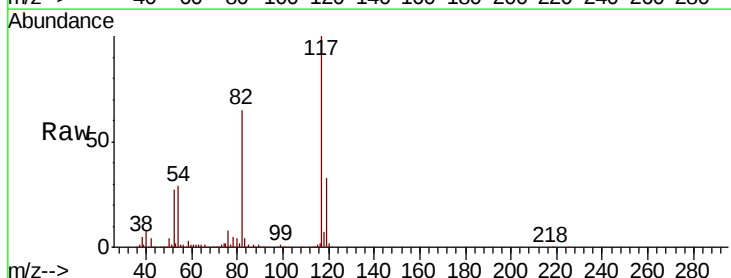
Manual Integrations
APPROVED

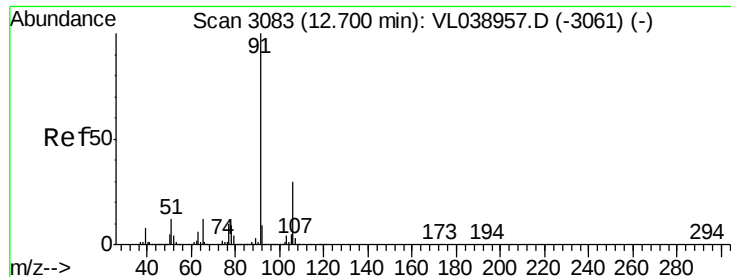
Reviewed By :Semsettin Yesilyurt 05/07/2022
Supervised By :Mahesh Dadoda 05/09/2022



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min Scan# 2889
Delta R.T. 0.00 min
Lab File: VL038973.D
Acq: 5 May 2022 15:21

Tgt Ion:117 Resp: 2737497
Ion Ratio Lower Upper
117 100
82 69.6 57.0 85.6
119 33.2 27.2 40.8



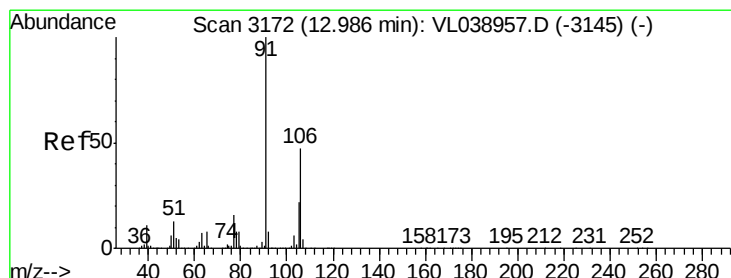
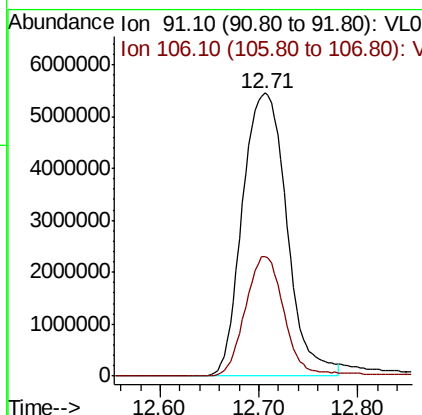
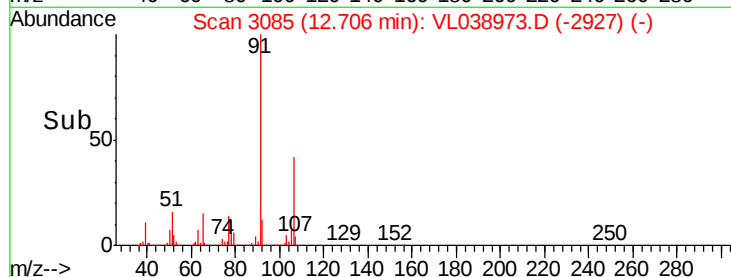
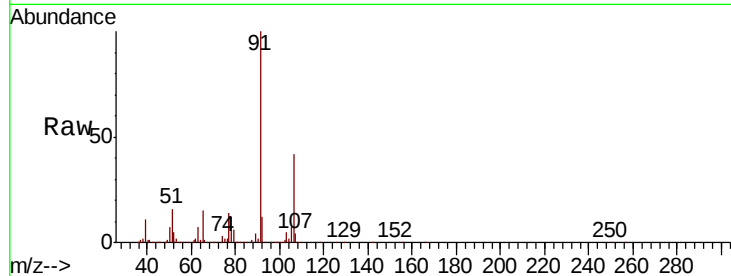


#58
Ethyl Benzene
Concen: 43.056 ppbv
RT: 12.71 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 5 May 2022 15:21

Tot Ion:
Ion Ratio
91 100
106 42.

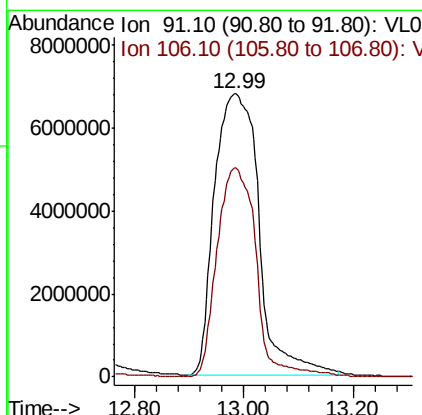
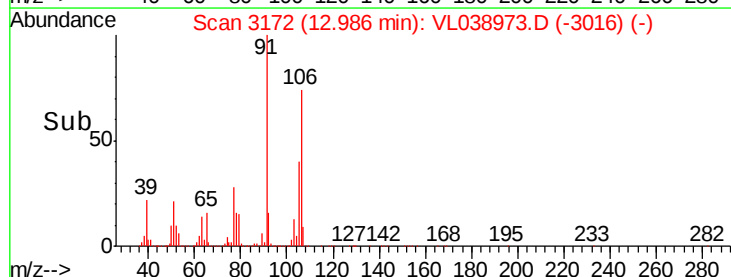
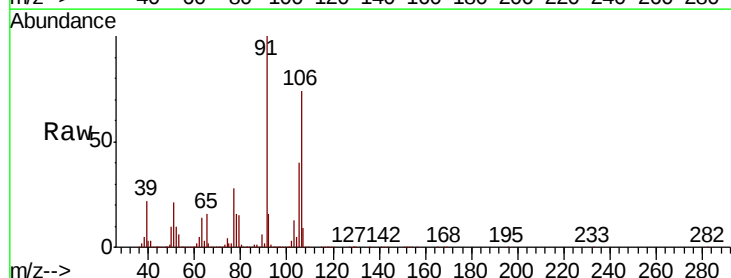
Manual Integrations
APPROVED

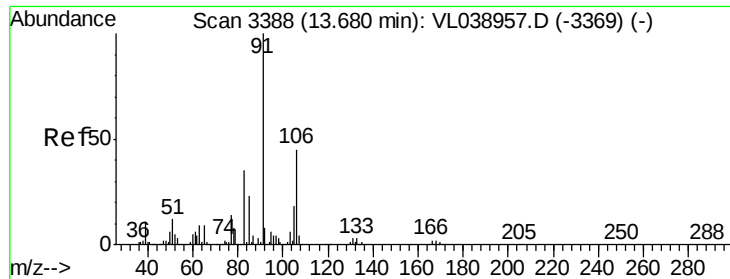
Reviewed By :Semsettin Yesilyurt 05/07/2022
Supervised By :Mahesh Dadoda 05/09/2022



#59
m/p-Xylene
Concen: 114.062 ppbv
RT: 12.99 min Scan# 3172
Delta R.T.: 0.00 min
Lab File: VL038973.D
Acq: 5 May 2022 15:21

Tgt Ion: 91 Resp:38361446
Ion Ratio Lower Upper
91 100
106 65.4 34.6 52.0#



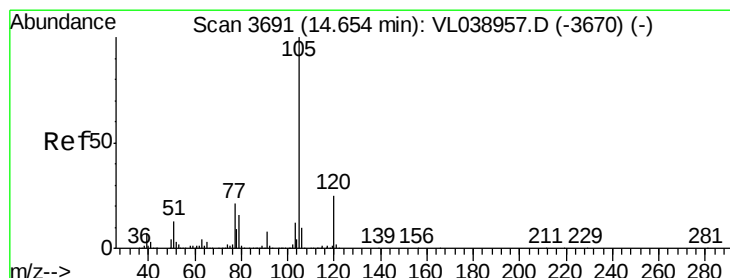
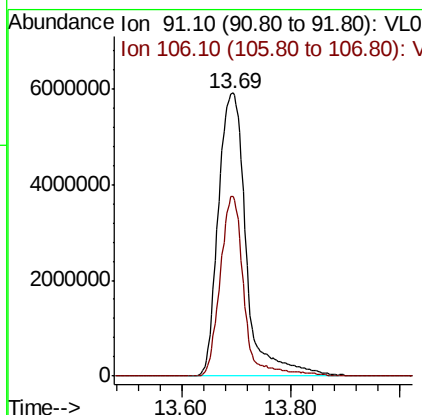
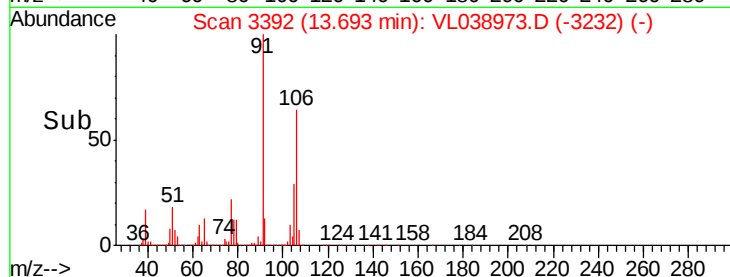
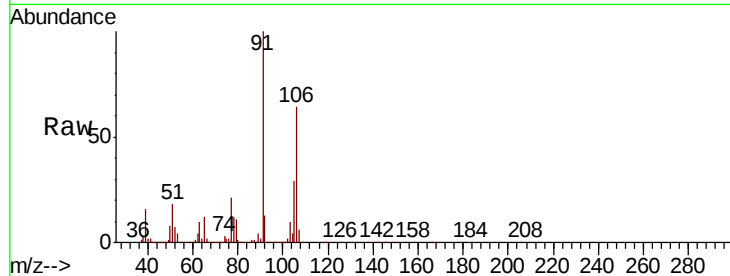


#60
o-Xylene
Concen: 66.068 ppbv
RT: 13.69 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 5 May 2022 15:21

Tot Ion:
Ion Ratio
91 100
106 54.

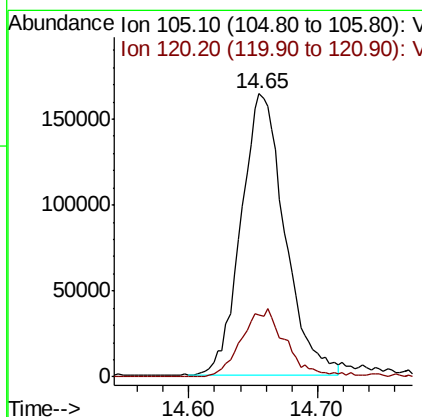
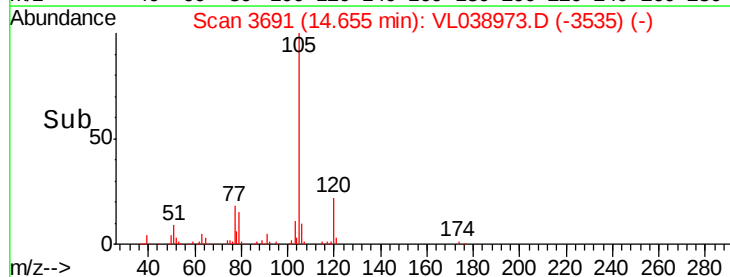
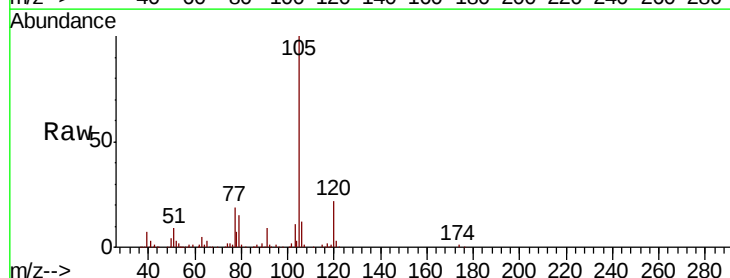
Manual Integrations
APPROVED

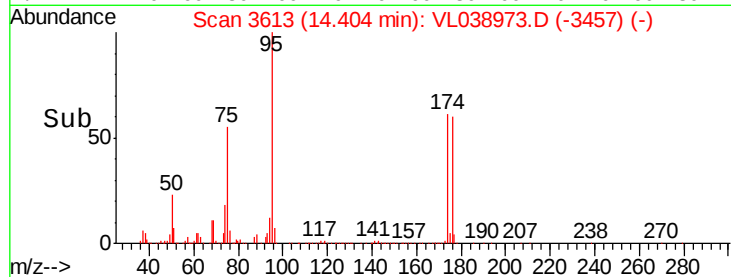
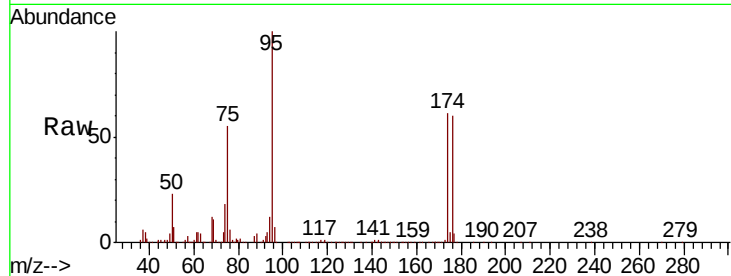
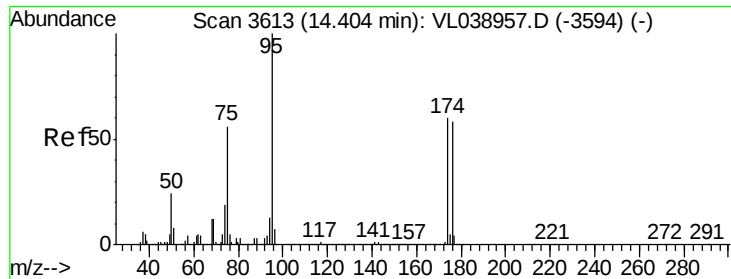
Reviewed By :Semsettin Yesilyurt 05/07/2022
Supervised By :Mahesh Dadoda 05/09/2022



#62
Isopropylbenzene
Concen: 0.959 ppbv
RT: 14.65 min Scan# 3691
Delta R.T. 0.00 min
Lab File: VL038973.D
Acq: 5 May 2022 15:21

Tgt Ion:105 Resp: 387673
Ion Ratio Lower Upper
105 100
120 24.7 20.5 30.7





#68

1-Bromo-4-Fluorobenzene

Concen: 10.209 ppbv

RT: 14.40

Delta R.T: MSVOA_L

Lab File: ClientSampleId :

Acq: 5 May 2022 13:21

Tot Ion:

Ion Ratio

95 100

174 65.

175 4.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/07/2022

Supervised By :Mahesh Dadoda 05/09/2022

