

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050522\
 Data File : VL038969.D
 Acq On : 5 May 2022 12:40
 Operator : SY/AP
 Sample : N2682-02
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 2

Manual Integrations
 APPROVED

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

Quant Time: May 06 08:07:10 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	1113234	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2605648	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	2259199	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	1832586	10.24	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	43379	0.249	ppbv	96
3) Chlorodifluoromethane	2.99	51	876689m	6.346	ppbv	
4) Chloromethane	3.14	50	36990	0.535	ppbv	97
9) Propene	3.02	41	59140m	0.980	ppbv	
10) Heptane	8.11	43	13364	0.090	ppbv #	27
11) Trichlorofluoromethane	3.95	101	38353m	0.256	ppbv	
13) Ethanol	3.59	45	777306	165.003	ppbv	92
15) Acetone	3.84	43	1348193	12.839	ppbv	98
17) tert-Butyl alcohol	4.28	59	97130m	1.203	ppbv	
19) Isopropyl Alcohol	3.96	45	3082785	61.744	ppbv	99
20) Methylene Chloride	4.34	84	1408600	35.590	ppbv	97
26) Hexane	5.68	57	1311092	11.740	ppbv #	40
34) 2-Butanone	5.24	43	151678	1.141	ppbv	99
35) Carbon Tetrachloride	7.01	117	11182m	0.065	ppbv	
36) Benzene	6.88	78	132505	0.594	ppbv	98
41) Tetrahydrofuran	6.05	42	58690	0.657	ppbv	99
43) Methyl Methacrylate	8.00	69	673279	7.437	ppbv	98
53) Toluene	9.79	91	292120	1.169	ppbv	100
58) Ethyl Benzene	12.69	91	61973m	0.191	ppbv	
59) m/p-Xylene	12.95	91	198345m	0.715	ppbv	
60) o-Xylene	13.67	91	79838	0.306	ppbv	94
73) 1,3,5-Trimethylbenzene	15.98	105	53404m	0.199	ppbv	
74) 1,2,4-Trimethylbenzene	16.74	105	193592	0.660	ppbv #	67

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

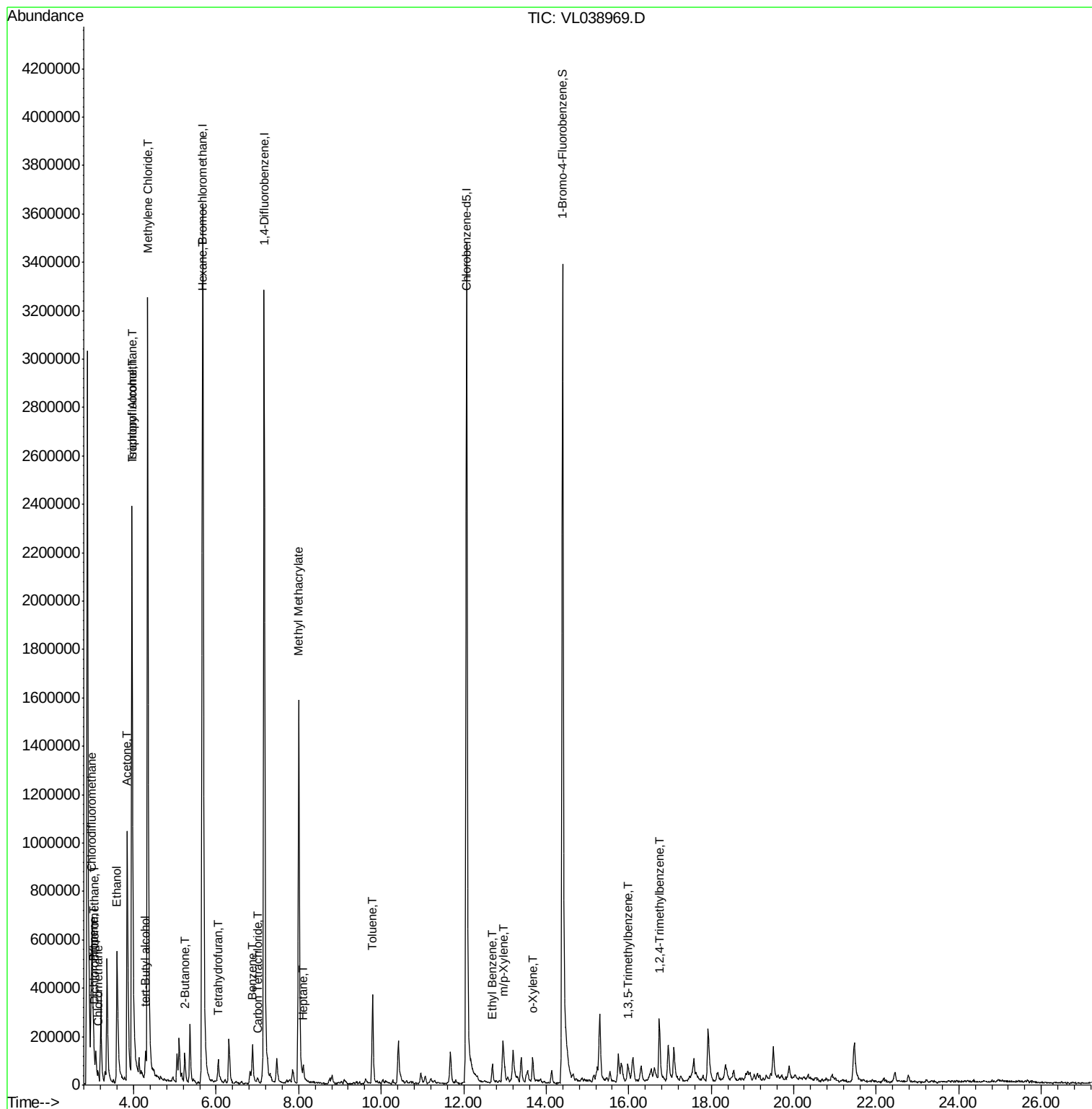
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL050522\
Data File : VL038969.D
Acq On : 5 May 2022 12:40
Operator : SY/AP
Sample : N2682-02
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

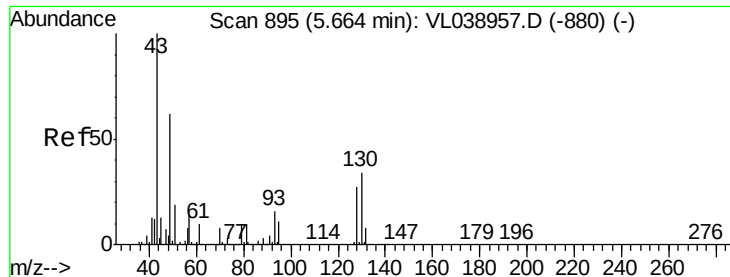
Instrument :
MSVOA_L
ClientSampleId :
2

Quant Time: May 06 08:07:10 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

Manual Integrations
APPROVED

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





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument: MSVOA_1

Delta R.T. 0.00 min

Lab File: ClientSampleId :

Acq: 5 May 2022 12:40

Tot Ion:

Ion Ratio

49 100

128 45.

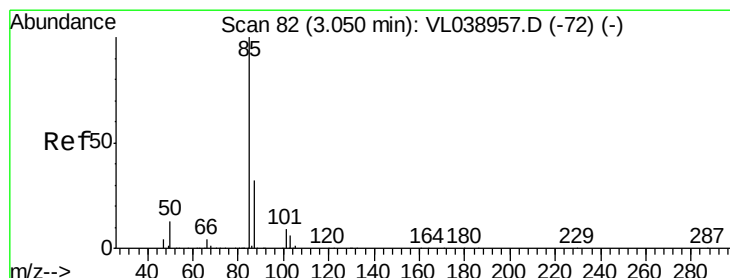
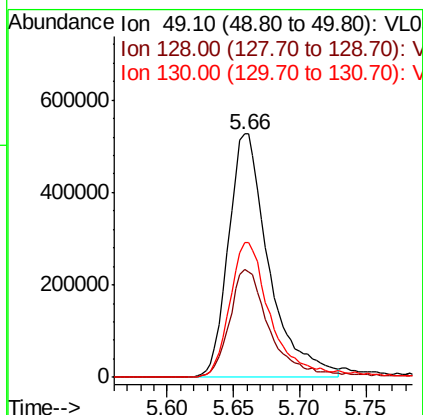
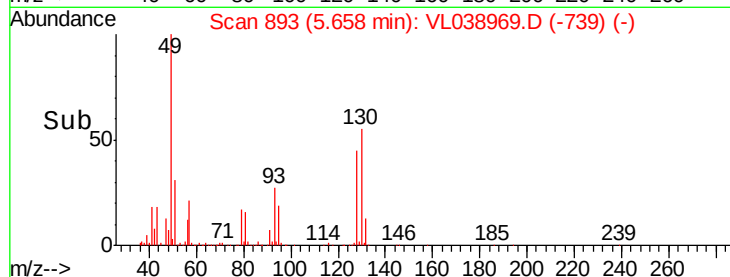
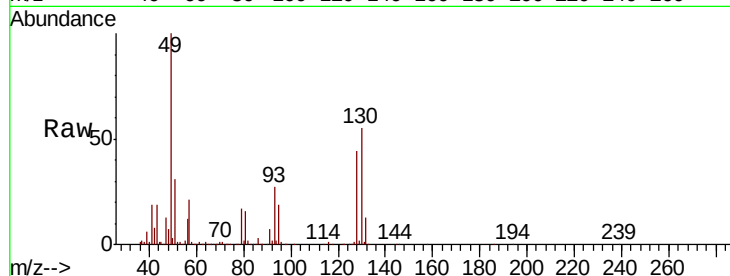
130 58.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/07/2022

Supervised By :Mahesh Dadoda 05/09/2022



#2

Dichlorodifluoromethane

Concen: 0.249 ppbv

RT: 3.05 min Scan# 82

Delta R.T. 0.00 min

Lab File: VL038969.D

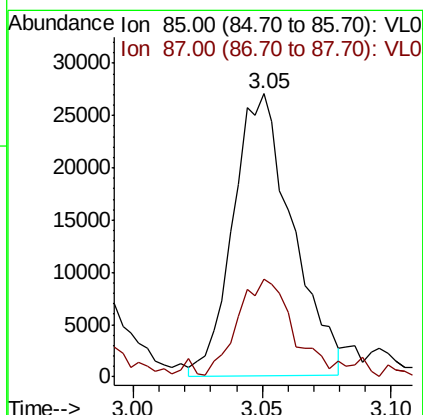
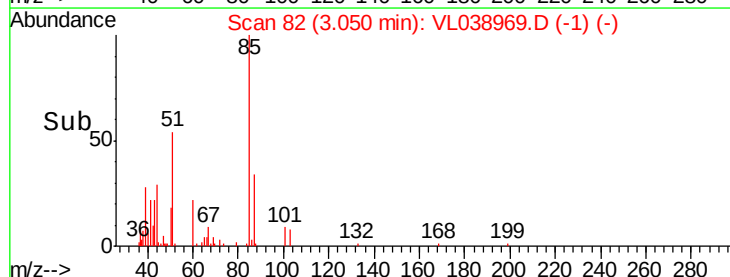
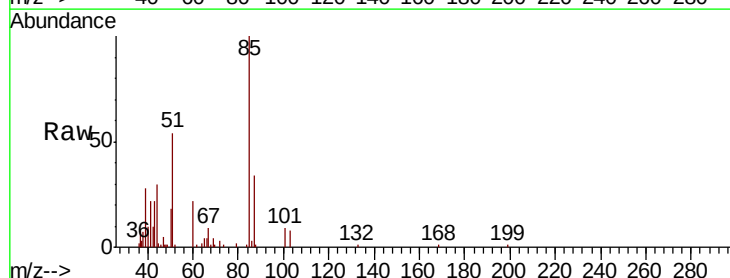
Acq: 5 May 2022 12:40

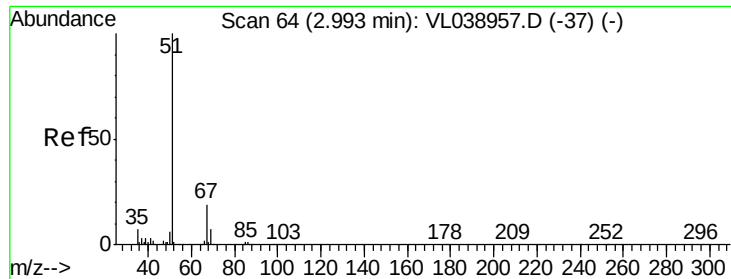
Tgt Ion: 85 Resp: 43379

Ion Ratio Lower Upper

85 100

87 30.0 25.7 38.5



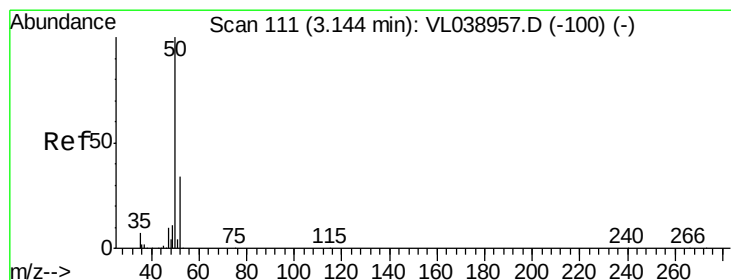
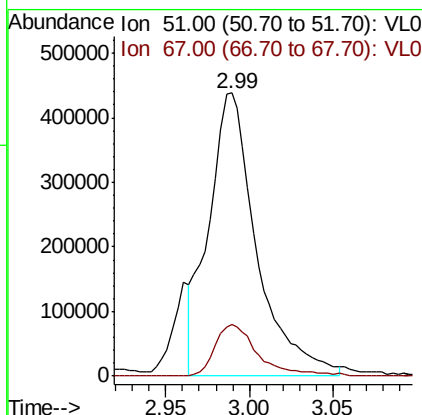
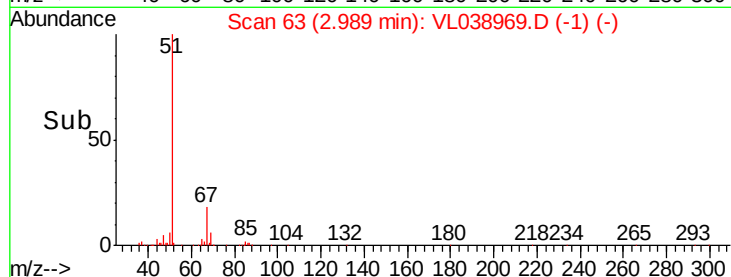
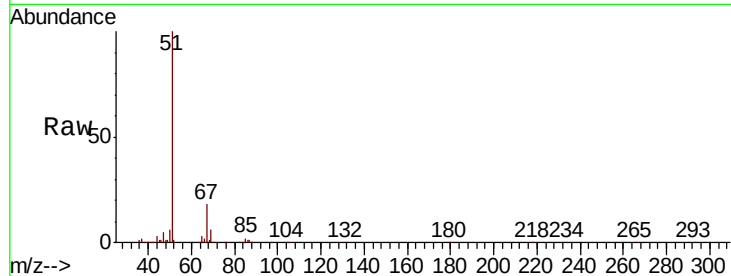


#3
Chlorodifluoromethane
Concen: 6.346 ppbv m
RT: 2.99
Instrument : MSVOA_1
Delta R.T. :
Lab File: ClientSampleId :
Acq: 5 May 2022 12:40

Tot Ion:
Ion Ratio
51 100
67 16.

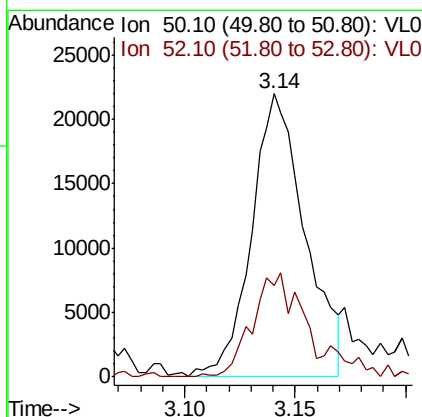
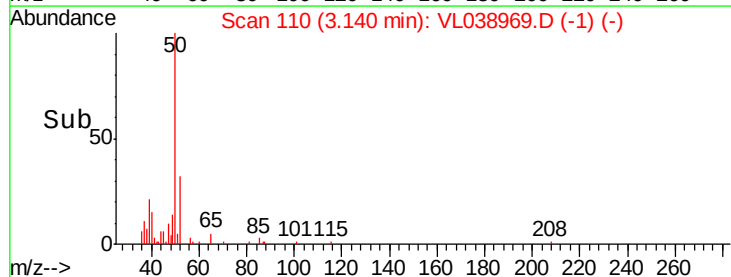
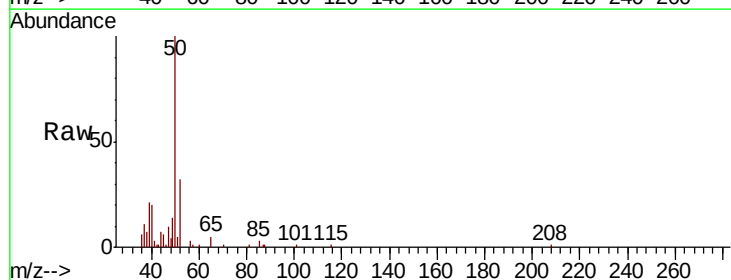
Manual Integrations
APPROVED

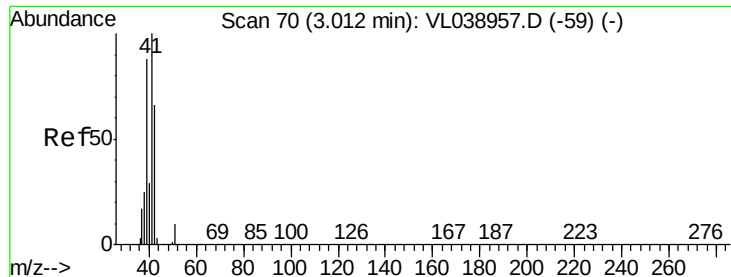
Reviewed By :Semsettin Yesilyurt 05/07/2022
Supervised By :Mahesh Dadoda 05/09/2022



#4
Chloromethane
Concen: 0.535 ppbv
RT: 3.14 min Scan# 110
Delta R.T. -0.00 min
Lab File: VL038969.D
Acq: 5 May 2022 12:40

Tgt Ion: 50 Resp: 36990
Ion Ratio Lower Upper
50 100
52 32.1 27.3 40.9





#9

Propene

Concen: 0.980 ppbv m

RT: 3.02 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 5 May 2022 12:40

Tot Ion:

Ion Ratio

41 100

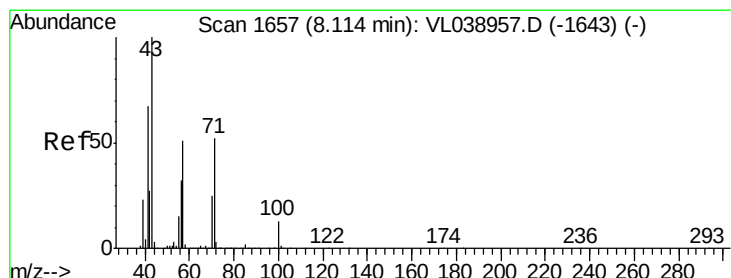
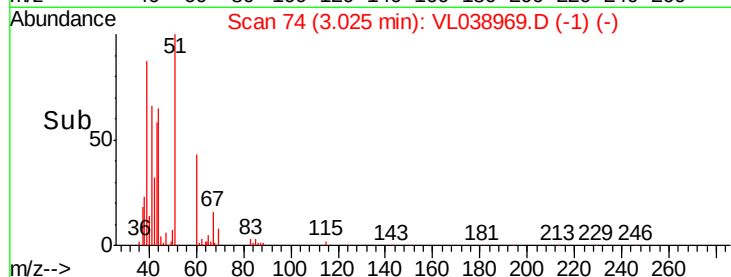
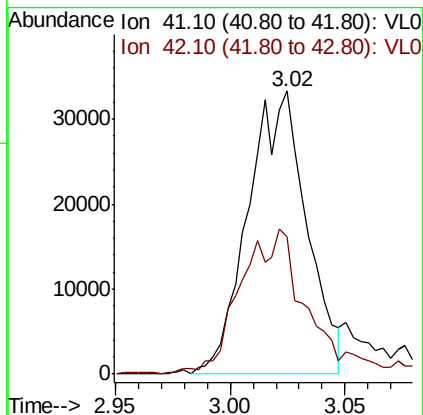
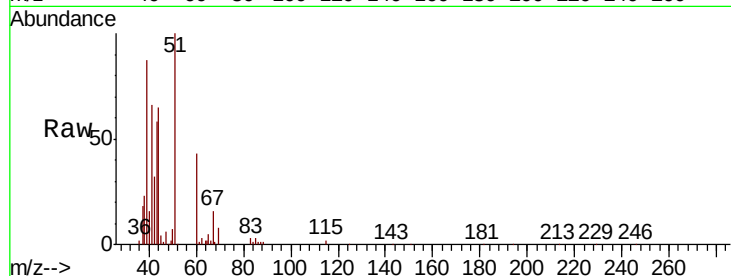
42 0.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/07/2022

Supervised By :Mahesh Dadoda 05/09/2022



#10

Heptane

Concen: 0.090 ppbv

RT: 8.11 min Scan# 1655

Delta R.T. -0.01 min

Lab File: VL038969.D

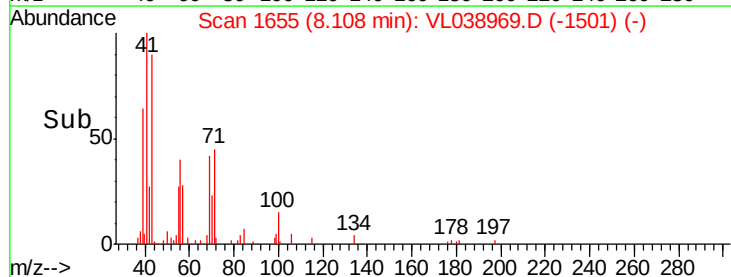
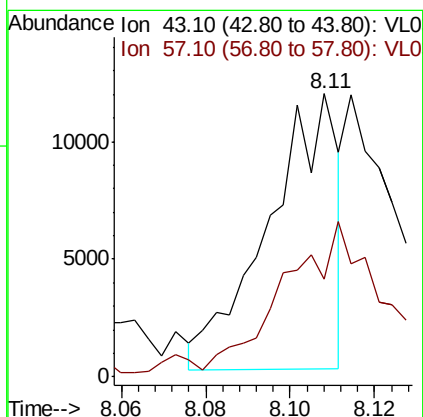
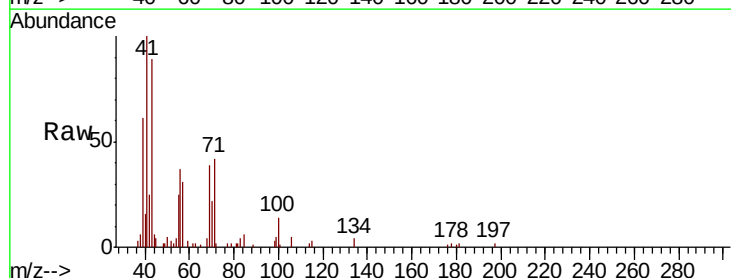
Acq: 5 May 2022 12:40

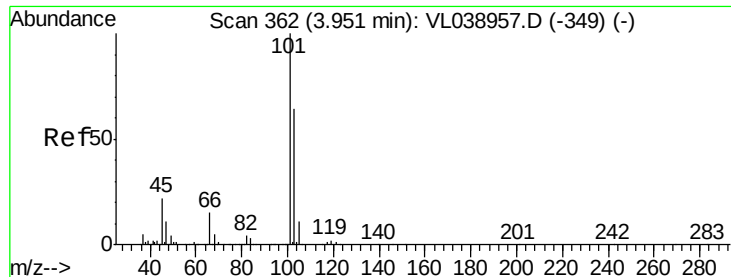
Tgt Ion: 43 Resp: 13364

Ion Ratio Lower Upper

43 100

57 0.0 40.5 60.7#



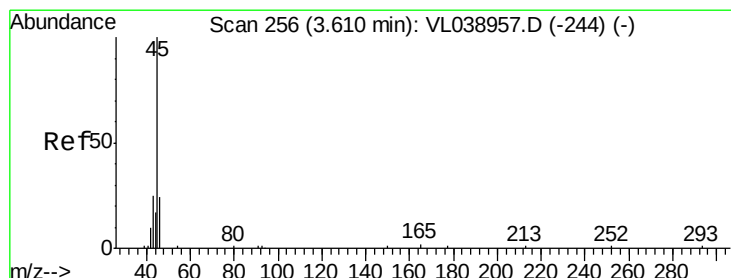
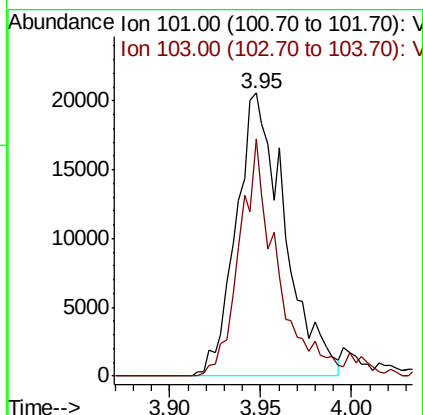
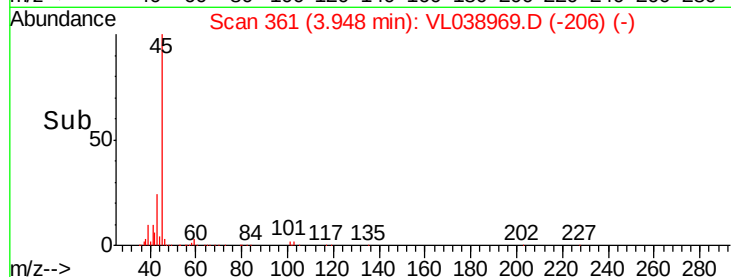
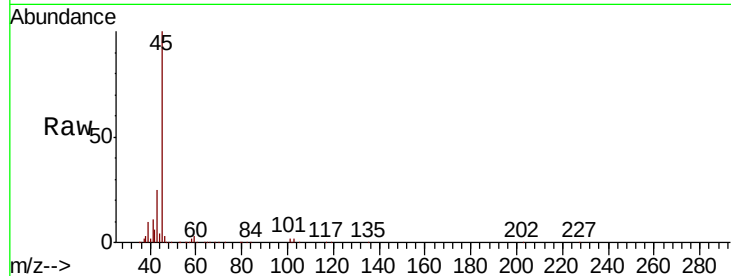


#11
 Trichlorofluoromethane
 Concen: 0.256 ppbv m
 RT: 3.95
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 5 May 2022 12:40

Tot Ion:1
 Ion Rati
 101 100
 103 83.

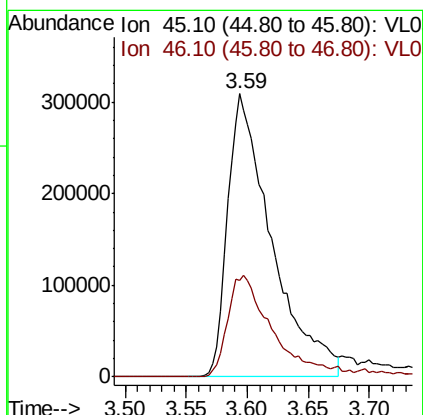
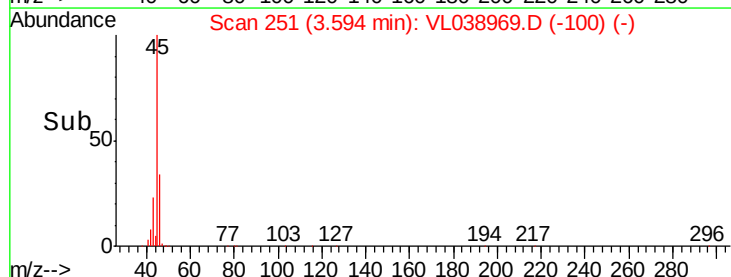
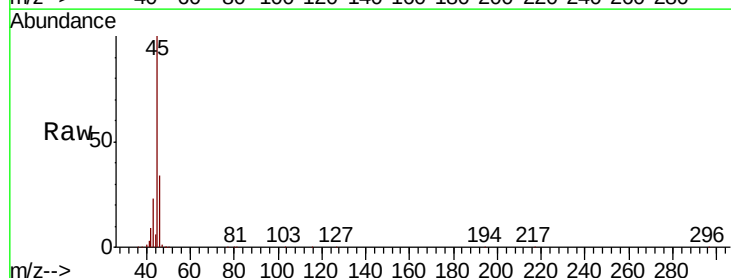
Manual Integrations
 APPROVED

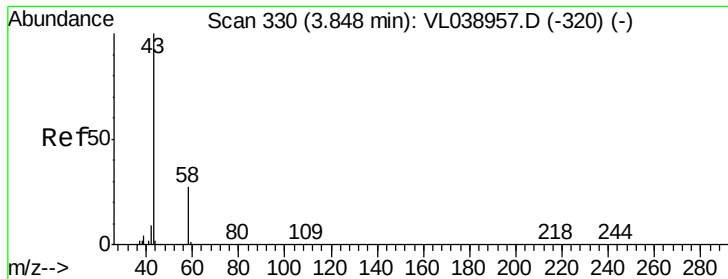
Reviewed By :Semsettin Yesilyurt 05/07/2022
 Supervised By :Mahesh Dadoda 05/09/2022



#13
 Ethanol
 Concen: 165.003 ppbv
 RT: 3.59 min Scan# 251
 Delta R.T. -0.02 min
 Lab File: VL038969.D
 Acq: 5 May 2022 12:40

Tgt Ion: 45 Resp: 777306
 Ion Ratio Lower Upper
 45 100
 46 39.6 18.0 72.2



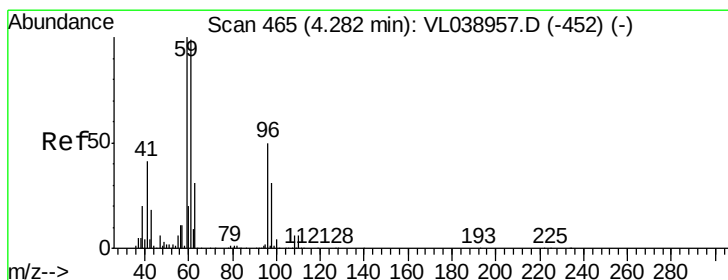
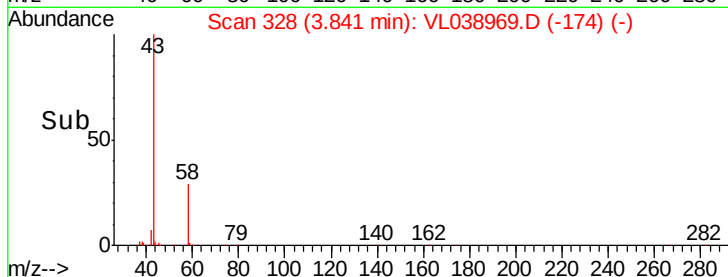
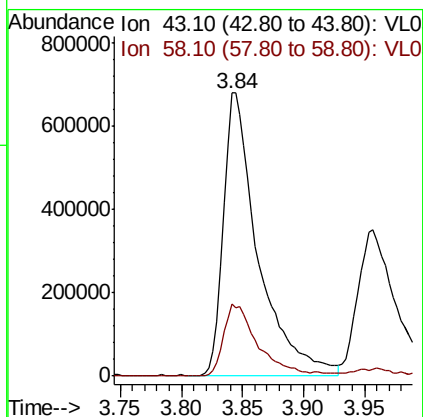
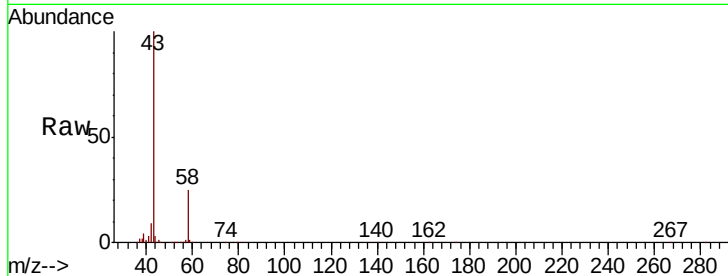


#15
Acetone
Concen: 12.839 ppbv
RT: 3.84
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 5 May 2022 12:40

Tot Ion:
Ion Ratio
43 100
58 25.

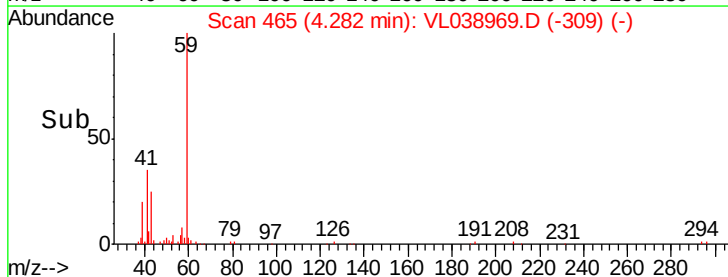
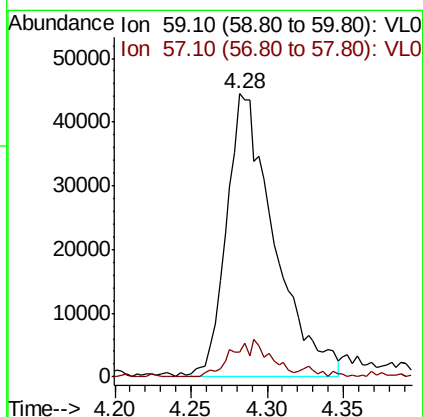
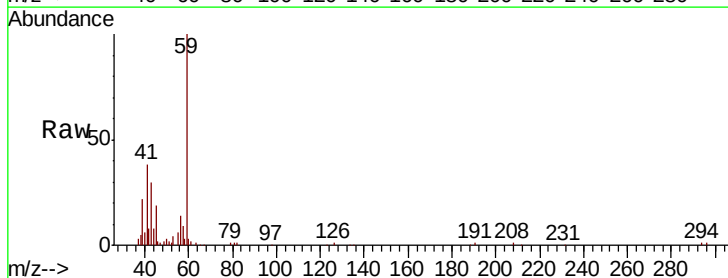
Manual Integrations
APPROVED

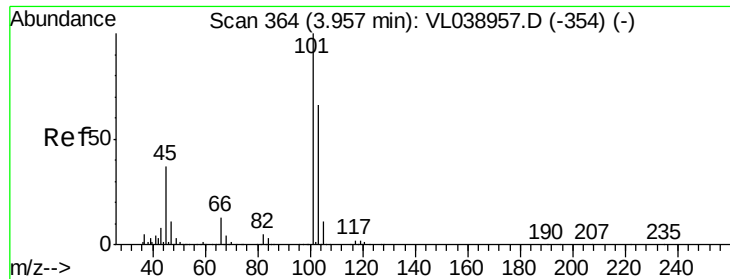
Reviewed By :Semsettin Yesilyurt 05/07/2022
Supervised By :Mahesh Dadoda 05/09/2022



#17
tert-Butyl alcohol
Concen: 1.203 ppbv m
RT: 4.28 min Scan# 465
Delta R.T. 0.00 min
Lab File: VL038969.D
Acq: 5 May 2022 12:40

Tgt Ion: 59 Resp: 97130
Ion Ratio Lower Upper
59 100
57 14.1 9.2 13.8#



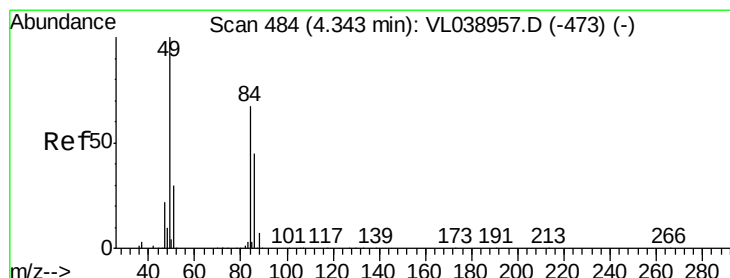
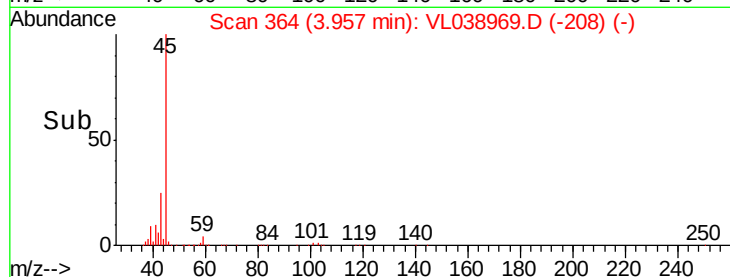
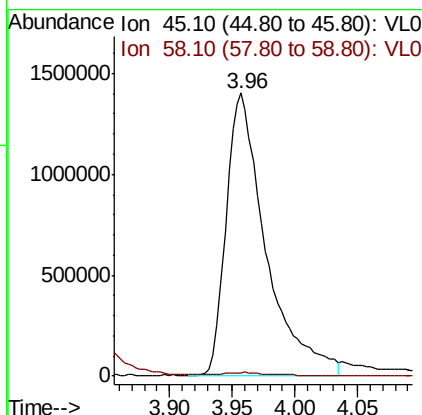
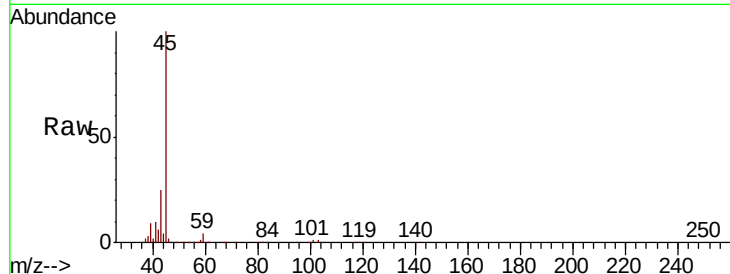


#19
Isopropyl Alcohol
Concen: 61.744 ppbv
RT: 3.96
Instrument : MSVOA_1
Delta R.T. :
Lab File: ClientSampleId :
Acq: 5 May 2022 12:40

Tot Ion:
Ion Ratio
45 100
58 1.

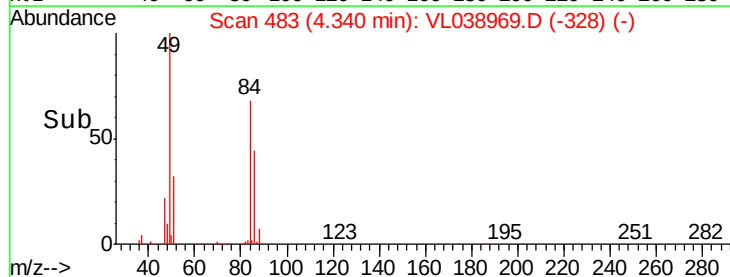
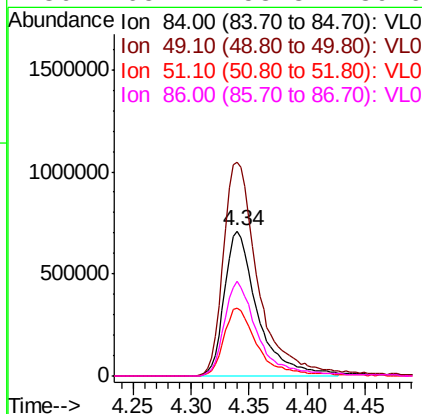
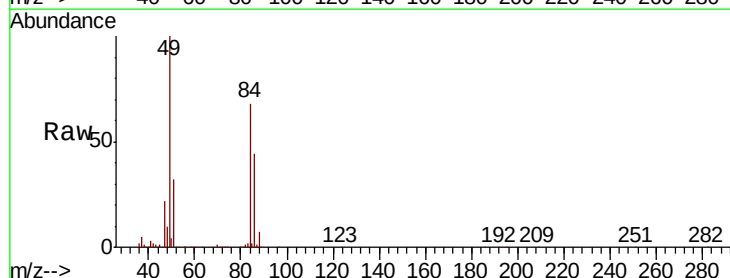
Manual Integrations
APPROVED

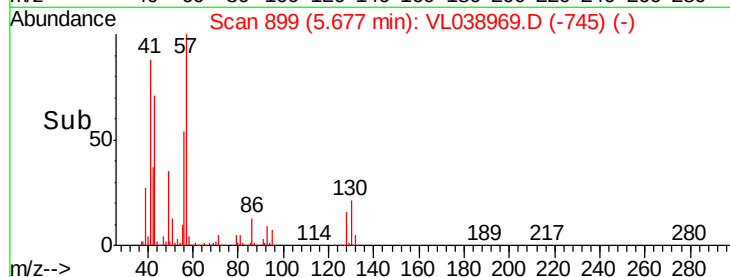
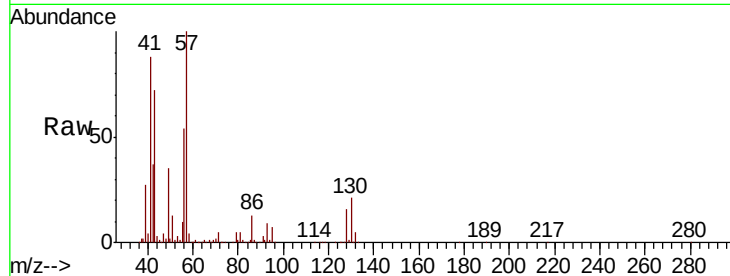
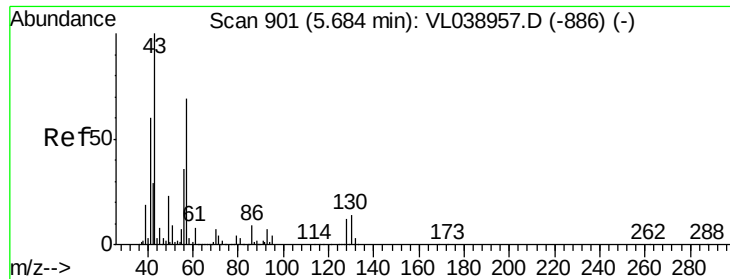
Reviewed By :Semsettin Yesilyurt 05/07/2022
Supervised By :Mahesh Dadoda 05/09/2022



#20
Methylene Chloride
Concen: 35.590 ppbv
RT: 4.34 min Scan# 483
Delta R.T. -0.00 min
Lab File: VL038969.D
Acq: 5 May 2022 12:40

Tgt Ion: 84 Resp: 1408600
Ion Ratio Lower Upper
84 100
49 147.0 119.9 179.9
51 46.7 35.7 53.5
86 65.1 53.8 80.6



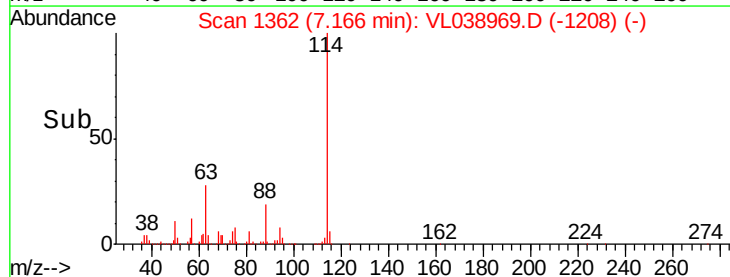
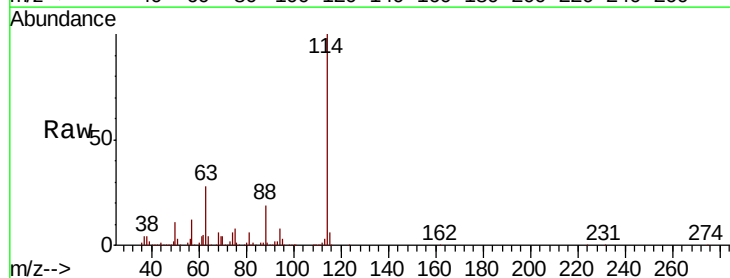
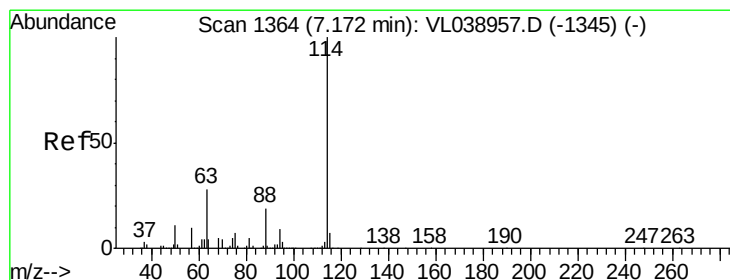
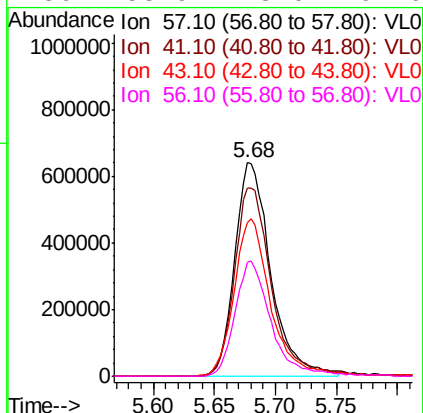


#26
Hexane
Concen: 11.740 ppbv
RT: 5.68
Instrument : MSVOA_1
Delta R.T. :
Lab File: ClientSampleId :
Acq: 5 May 2022 12:40

Tot Ion:
Ion Ratio
57 100
41 91.
43 75.
56 53.9 43.0 64.6

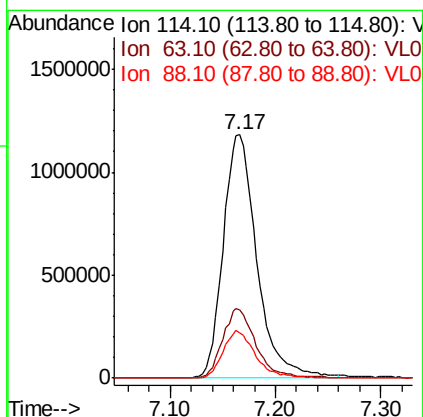
Manual Integrations
APPROVED

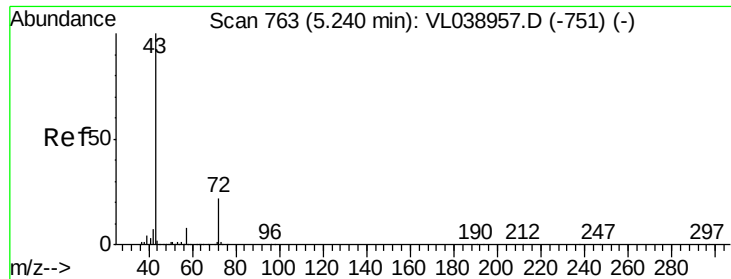
Reviewed By :Semsettin Yesilyurt 05/07/2022
Supervised By :Mahesh Dadoda 05/09/2022



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1362
Delta R.T. -0.01 min
Lab File: VL038969.D
Acq: 5 May 2022 12:40

Tgt Ion:114 Resp: 2605648
Ion Ratio Lower Upper
114 100
63 28.4 22.6 33.8
88 19.1 15.4 23.0



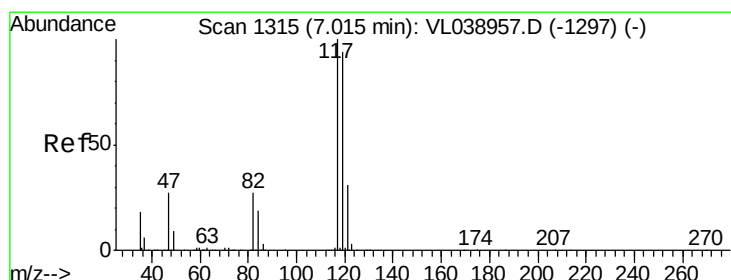
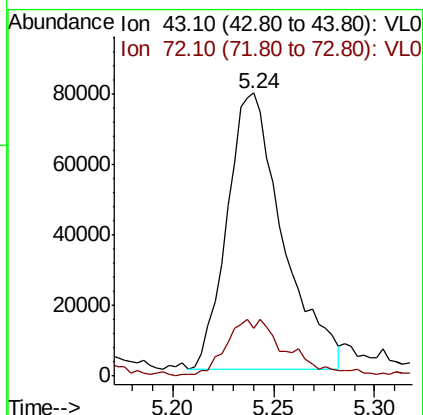
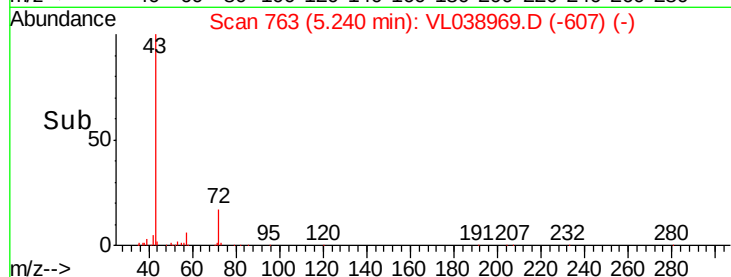
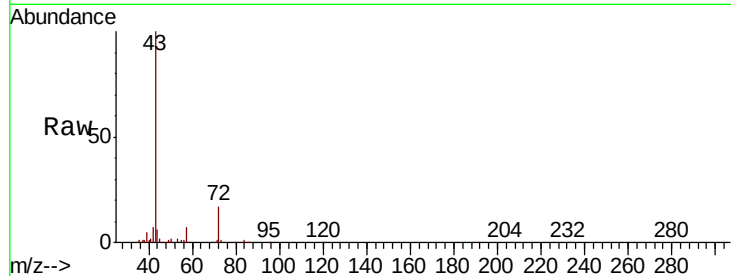


#34
2-Butanone
Concen: 1.141 ppbv
RT: 5.24
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 5 May 2022 12:40

Tot Ion:
Ion Ratio
43 100
72 21.

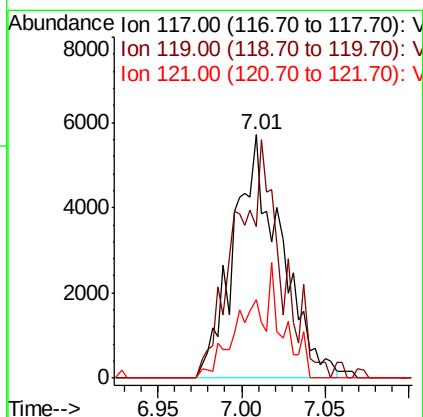
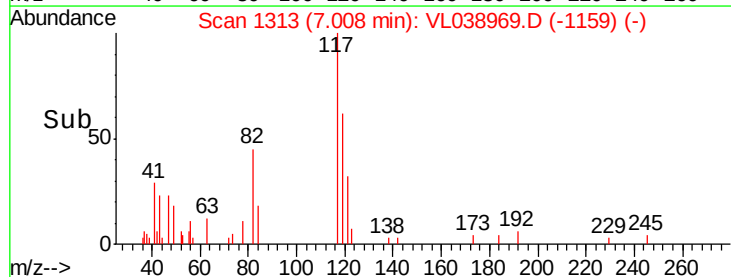
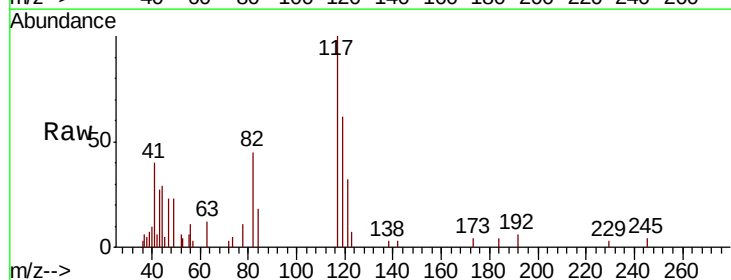
Manual Integrations
APPROVED

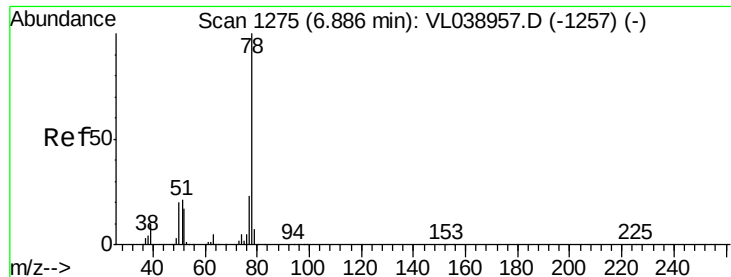
Reviewed By :Semsettin Yesilyurt 05/07/2022
Supervised By :Mahesh Dadoda 05/09/2022



#35
Carbon Tetrachloride
Concen: 0.065 ppbv m
RT: 7.01 min Scan# 1313
Delta R.T. -0.01 min
Lab File: VL038969.D
Acq: 5 May 2022 12:40

Tgt Ion:117 Resp: 11182
Ion Ratio Lower Upper
117 100
119 62.0 75.2 112.8#
121 32.3 24.6 37.0



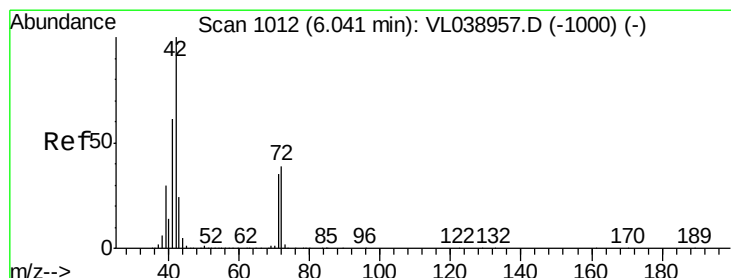
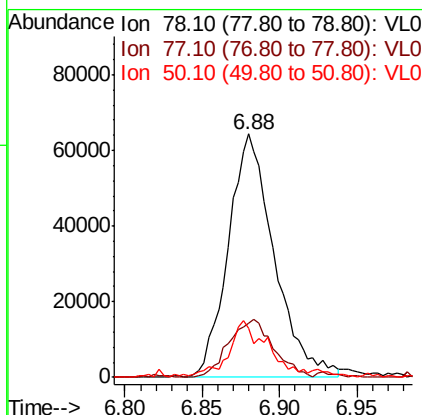
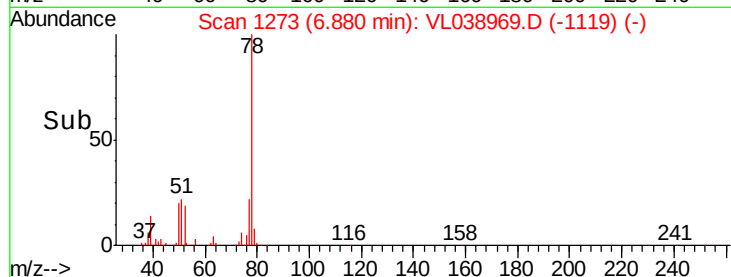
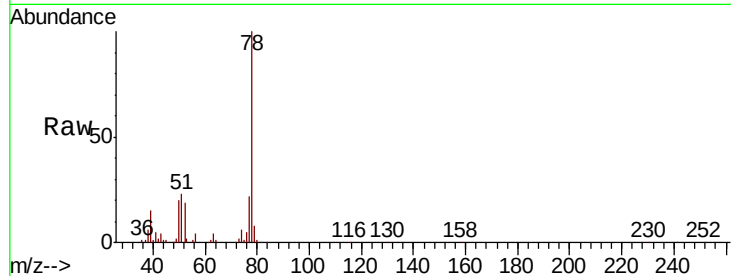


#36
Benzene
Concen: 0.594 ppbv
RT: 6.88
Instrument : MSVOA_1
Delta R.T.
Lab File: ClientSampleId :
Acq: 5 May 2022 12:40

Tot Ion:
Ion Ratio
78 100
77 21.
50 19.

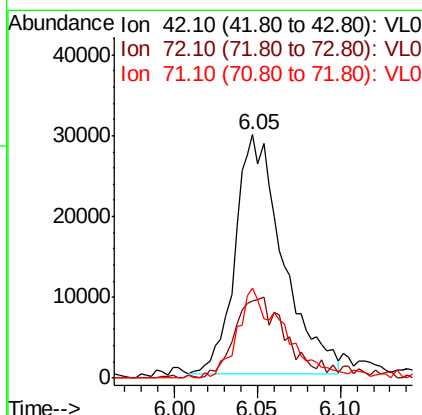
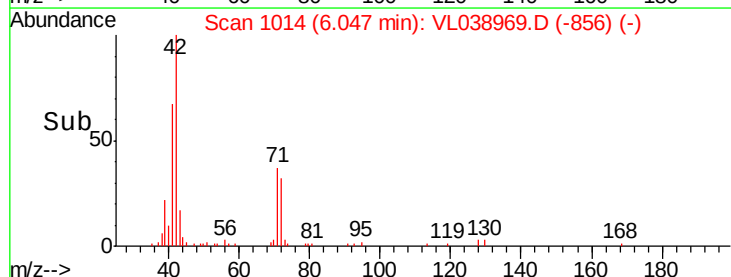
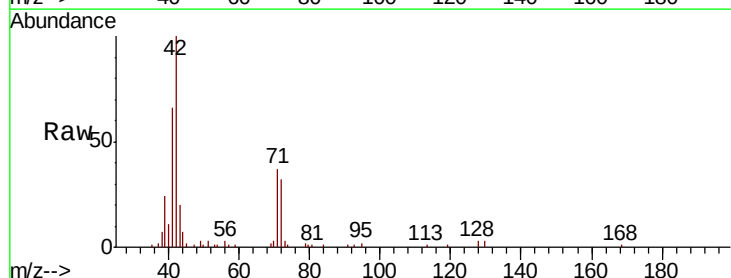
Manual Integrations
APPROVED

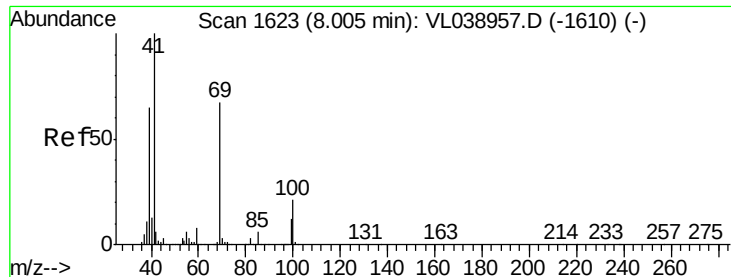
Reviewed By :Semsettin Yesilyurt 05/07/2022
Supervised By :Mahesh Dadoda 05/09/2022



#41
Tetrahydrofuran
Concen: 0.657 ppbv
RT: 6.05 min Scan# 1014
Delta R.T. 0.01 min
Lab File: VL038969.D
Acq: 5 May 2022 12:40

Tgt Ion: 42 Resp: 58690
Ion Ratio Lower Upper
42 100
72 40.4 31.8 47.6
71 38.2 30.6 45.8



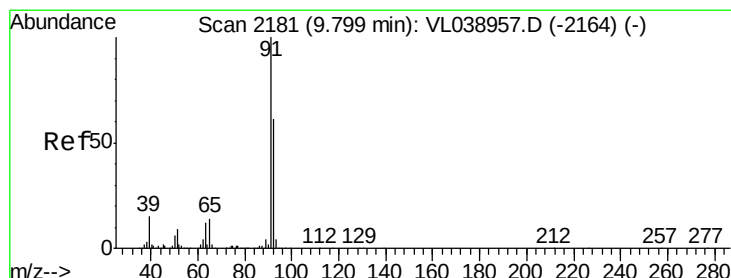
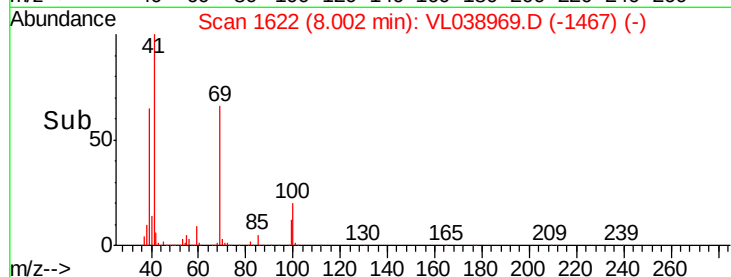
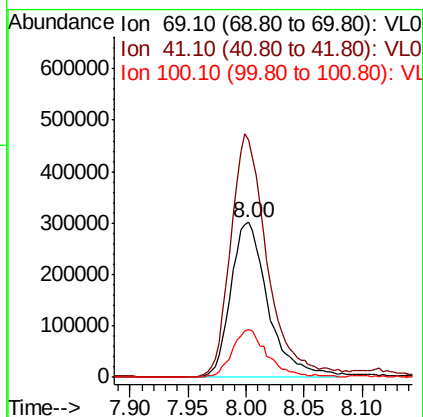
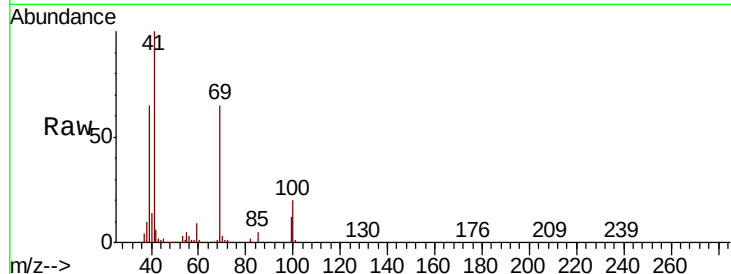


#43
Methvl Methacrylate
Concen: 7.437 ppbv
RT: 8.00
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 5 May 2022 12:40

Tot Ion:
Ion Ratio
69 100
41 154.
100 30.

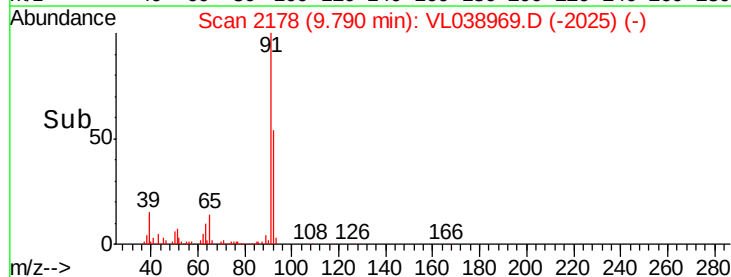
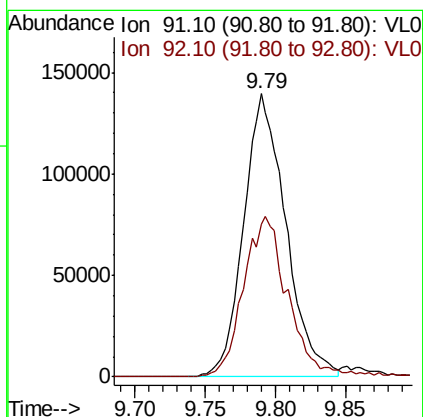
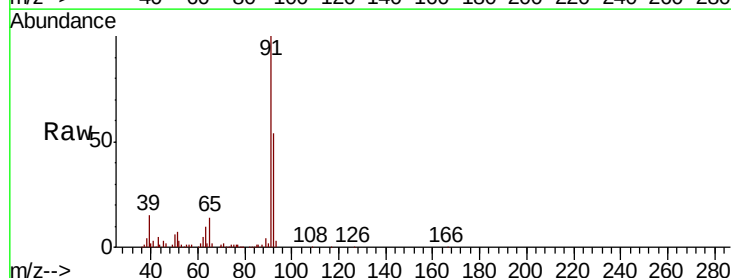
Manual Integrations
APPROVED

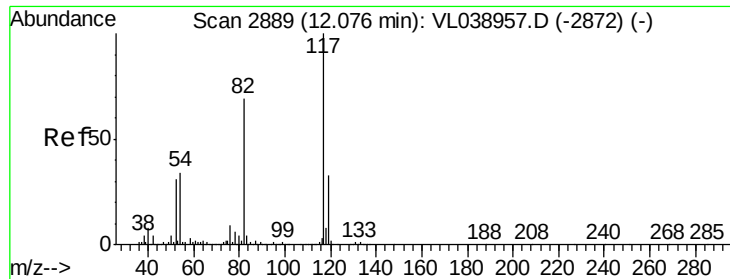
Reviewed By :Semsettin Yesilyurt 05/07/2022
Supervised By :Mahesh Dadoda 05/09/2022



#53
Toluene
Concen: 1.169 ppbv
RT: 9.79 min Scan# 2178
Delta R.T. -0.01 min
Lab File: VL038969.D
Acq: 5 May 2022 12:40

Tgt Ion: 91 Resp: 292120
Ion Ratio Lower Upper
91 100
92 60.4 48.2 72.2





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.07

Delta R.T. MSVOA_L

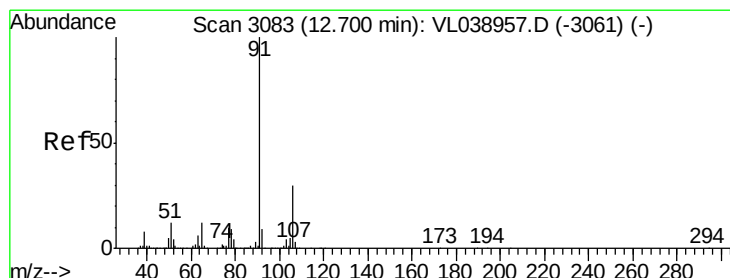
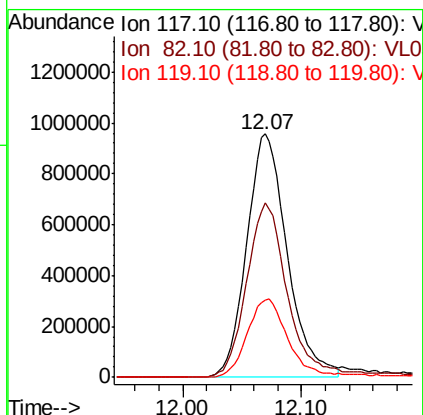
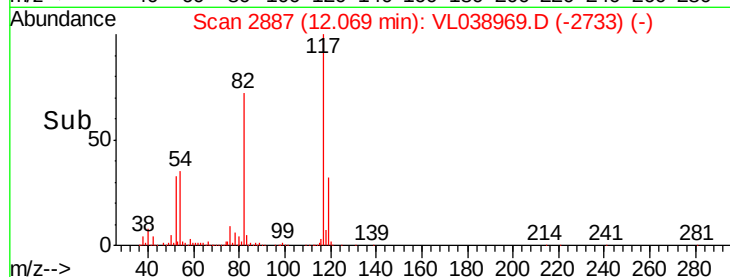
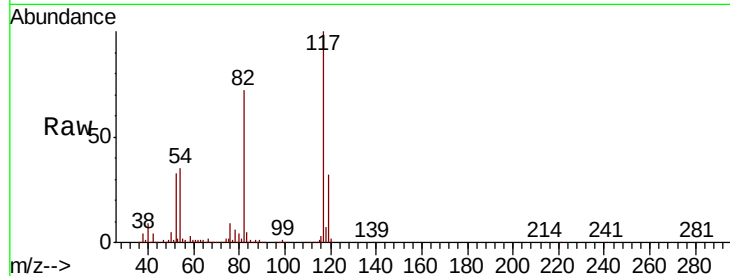
Lab File: ClientSampleId :

Acq: 5 May 2022 12:40

Tot Ion:1
Ion Rati
117 100
82 76.
119 33.

Manual Integrations
APPROVED

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



#58

Ethyl Benzene

Concen: 0.191 ppbv m

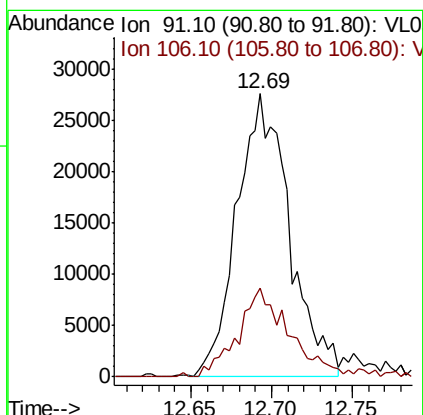
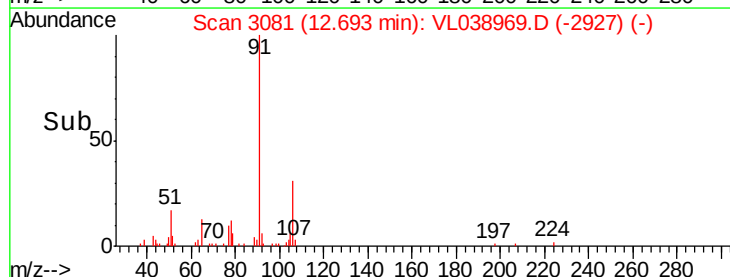
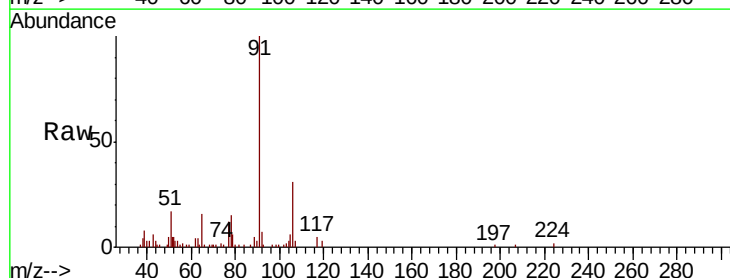
RT: 12.69 min Scan# 3081

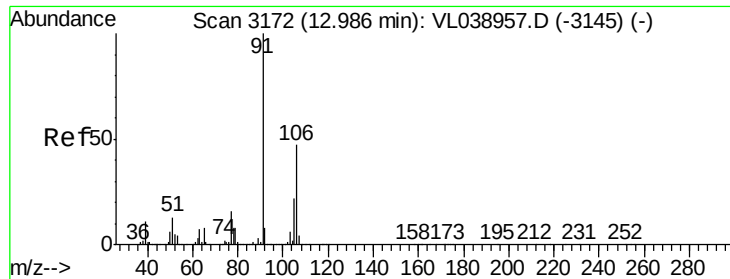
Delta R.T. -0.01 min

Lab File: VL038969.D

Acq: 5 May 2022 12:40

Tgt Ion: 91 Resp: 61973
Ion Ratio Lower Upper
91 100
106 31.3 24.2 36.4



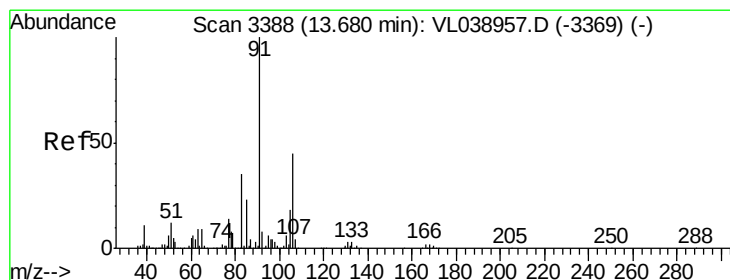
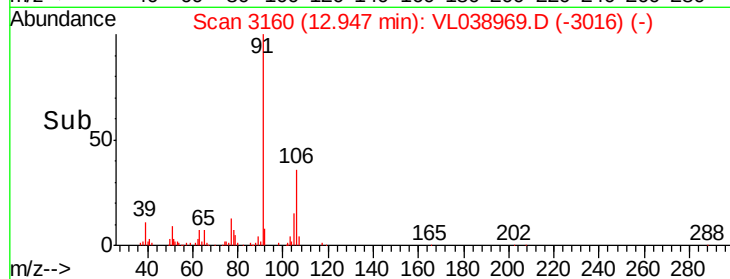
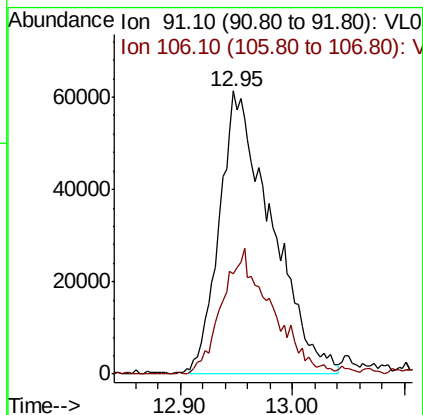
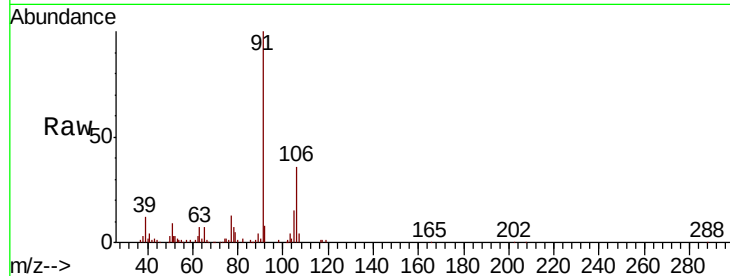


#59
m/p-Xylene
Concen: 0.715 ppbv m
RT: 12.95
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampled:
Acq: 5 May 2022 12:40

Tot Ion:
Ion Ratio
91 100
106 0.

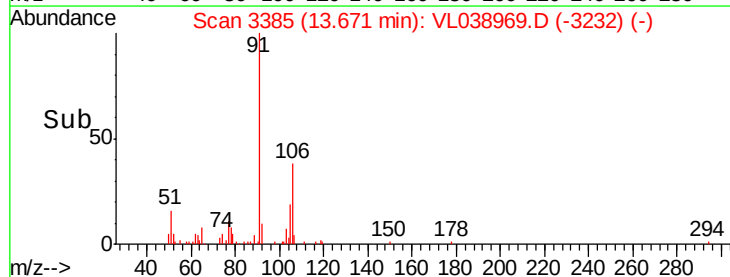
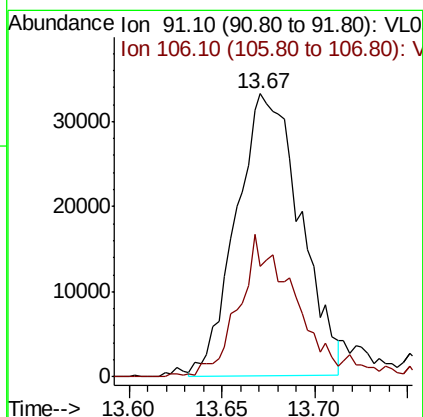
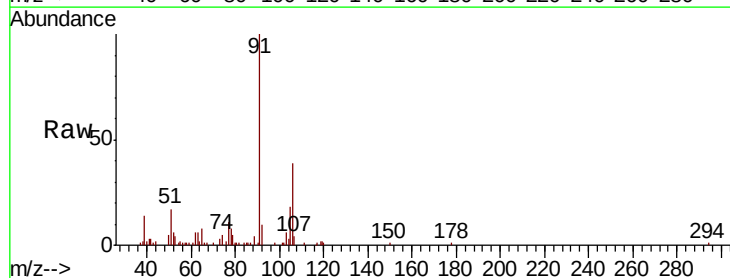
Manual Integrations
APPROVED

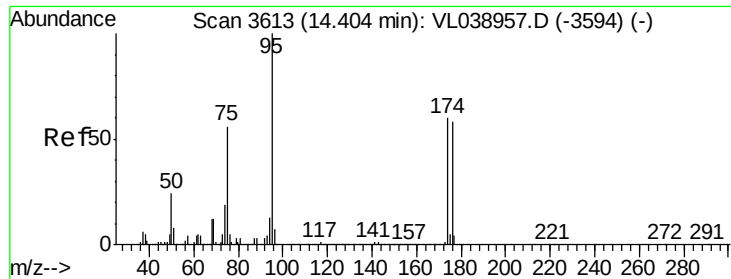
Reviewed By :Semsettin Yesilyurt 05/07/2022
Supervised By :Mahesh Dadoda 05/09/2022



#60
o-Xylene
Concen: 0.306 ppbv
RT: 13.67 min Scan# 3385
Delta R.T. -0.01 min
Lab File: VL038969.D
Acq: 5 May 2022 12:40

Tgt Ion: 91 Resp: 79838
Ion Ratio Lower Upper
91 100
106 48.1 22.2 66.6



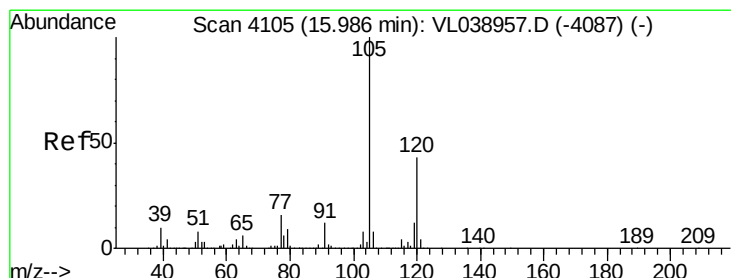
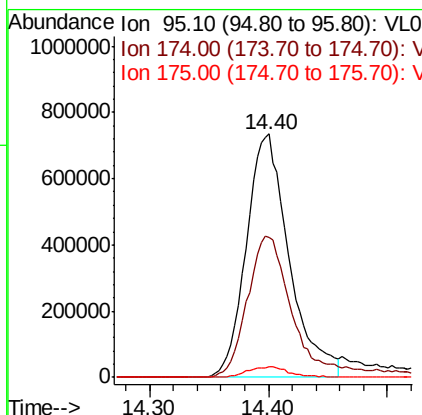
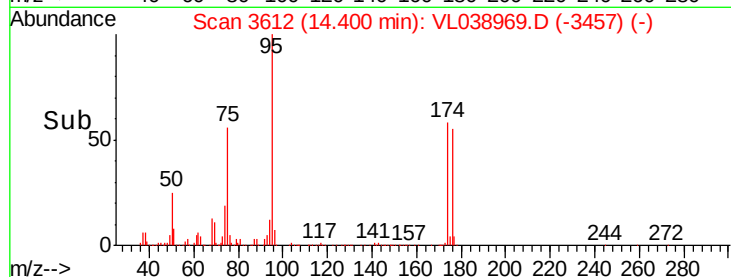
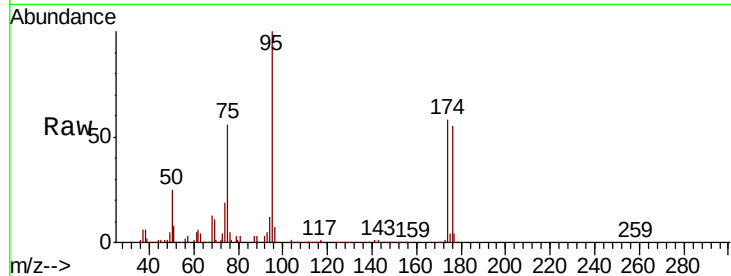


#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.243 ppbv
 RT: 14.40 min
 Delta R.T.: MSVOA_1
 Lab File: ClientSampleId :
 Acq: 5 May 2022 12:40

Tot Ion:
 Ion Ratio
 95 100
 174 65.
 175 4.

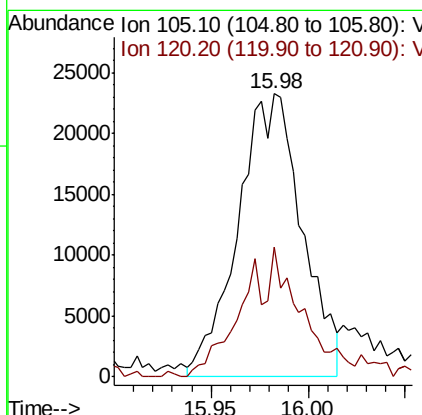
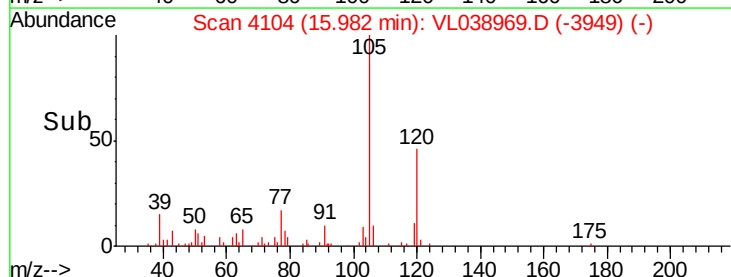
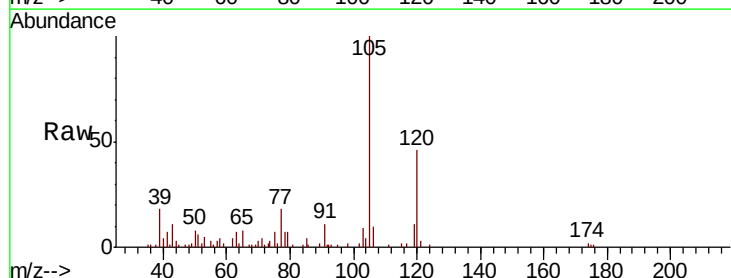
Manual Integrations
 APPROVED

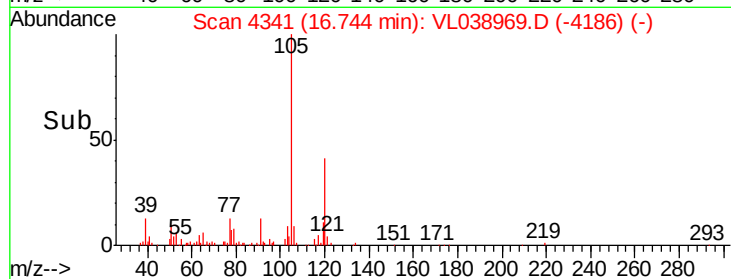
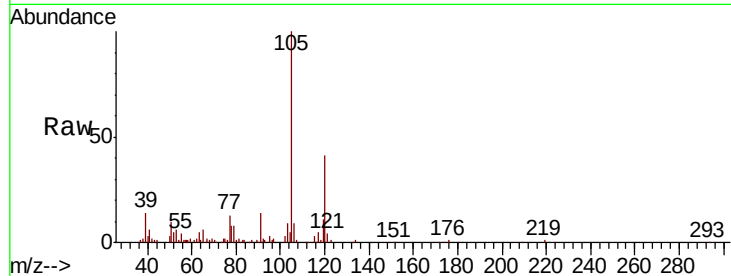
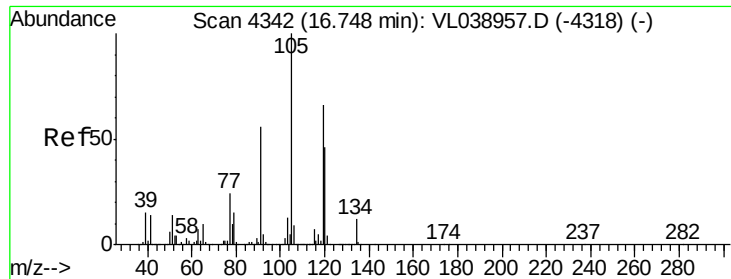
Reviewed By :Semsettin Yesilyurt 05/07/2022
 Supervised By :Mahesh Dadoda 05/09/2022



#73
 1,3,5-Trimethylbenzene
 Concen: 0.199 ppbv m
 RT: 15.98 min Scan# 4104
 Delta R.T.: -0.00 min
 Lab File: VL038969.D
 Acq: 5 May 2022 12:40

Tgt Ion:105 Resp: 53404
 Ion Ratio Lower Upper
 105 100
 120 46.0 34.4 51.6





#74

1,2,4-Trimethylbenzene

Concen: 0.660 ppbv

RT: 16.74

Delta R.T

Lab File: ClientSampleId :

Acq: 5 May 2022 12:40

Tot Ion:1

Ion Rati

105 100

120 40.

91 14.

77 13.5 19.2 28.8#

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/07/2022

Supervised By :Mahesh Dadoda 05/09/2022

