

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL090722\
 Data File : VL039622.D
 Acq On : 7 Sep 2022 16:54
 Operator : SY/AP
 Sample : N4494-01 4X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 SV-1

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 09/08/2022
 Supervised By :Mahesh Dadoda 09/08/2022

Quant Time: Sep 08 13:48:04 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081722A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Fri Aug 26 06:05:16 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.21	49	1074094	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	6.66	114	2754952	10.00	ppbv	0.00
55) Chlorobenzene-d5	11.47	117	2546142	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	13.78	95	1931506	10.06	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.75	85	11828	0.083	ppbv	99
3) Chlorodifluoromethane	2.68	51	182685	1.428	ppbv #	61
10) Heptane	7.59	43	22329m	0.165	ppbv	
13) Ethanol	3.26	45	229175	54.458	ppbv	71
15) Acetone	3.49	43	897624	7.461	ppbv	96
17) tert-Butyl alcohol	3.91	59	19542m	0.190	ppbv	
20) Methylene Chloride	3.95	84	143203	2.930	ppbv	98
25) Ethyl Acetate	5.23	43	140873	0.547	ppbv #	78
26) Hexane	5.23	57	196391	1.869	ppbv #	37
29) Chloroform	5.29	83	259958	1.582	ppbv	94
34) 2-Butanone	4.81	43	43911m	0.321	ppbv	
36) Benzene	6.38	78	16430	0.078	ppbv #	92
53) Toluene	9.23	91	311751	1.326	ppbv	100
58) Ethyl Benzene	12.10	91	87599	0.299	ppbv	94
59) m/p-Xylene	12.35	91	374466	1.427	ppbv	96
60) o-Xylene	13.07	91	105546	0.419	ppbv	97
72) 4-Ethyltoluene	15.20	105	93784m	0.318	ppbv	
73) 1,3,5-Trimethylbenzene	15.35	105	40152	0.149	ppbv #	81
74) 1,2,4-Trimethylbenzene	16.11	105	258750	0.863	ppbv #	67

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

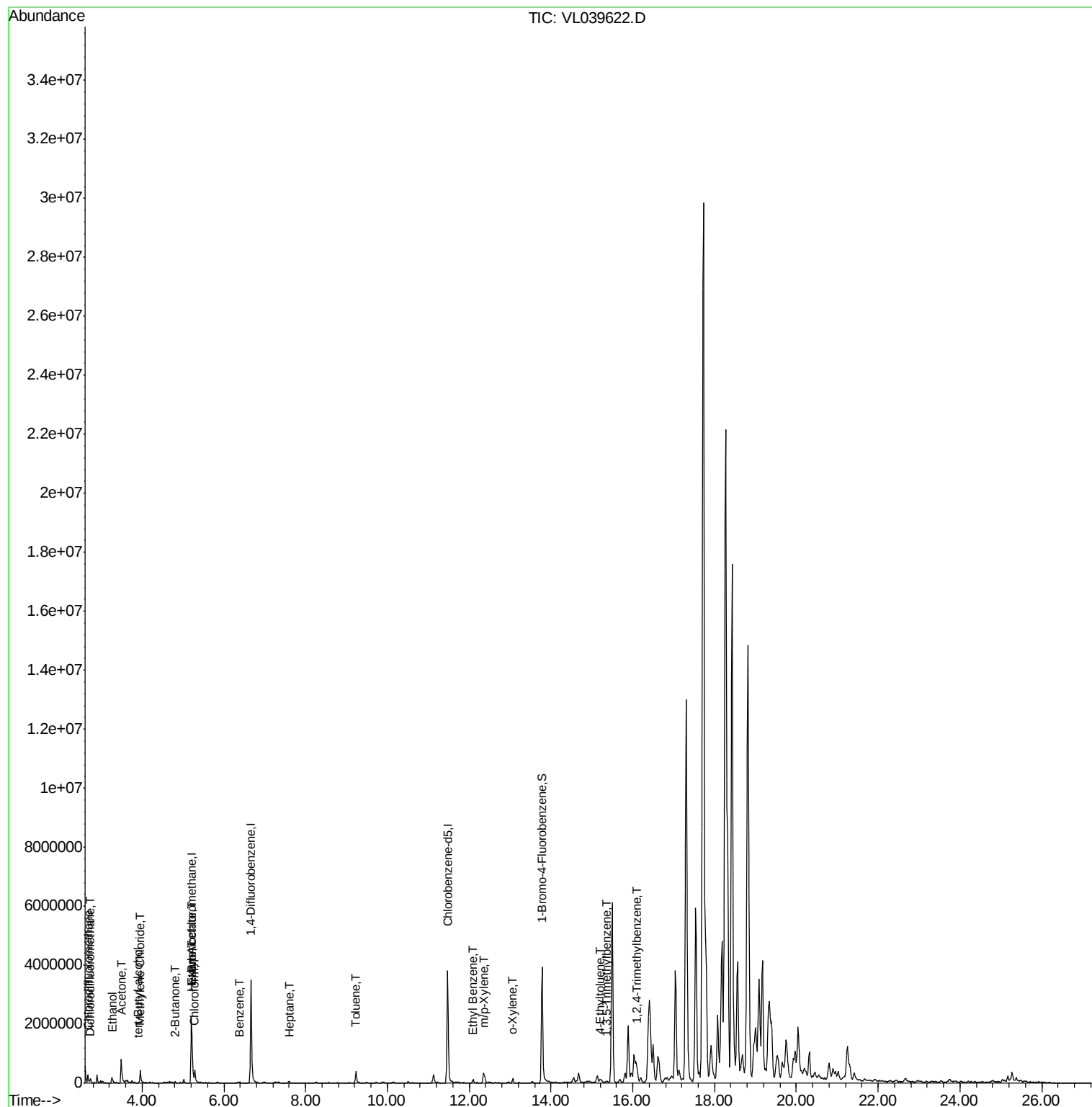
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL090722\
Data File : VL039622.D
Acq On : 7 Sep 2022 16:54
Operator : SY/AP
Sample : N4494-01 4X
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

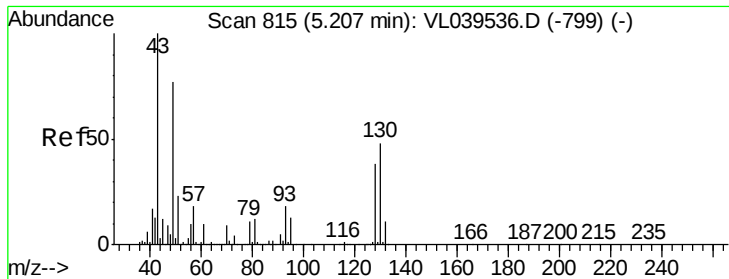
Instrument :
MSVOA_L
ClientSampleId :
SV-1

Manual Integrations
APPROVED

Quant Time: Sep 08 13:48:04 2022
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL081722
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
QLast Update : Fri Aug 26 06:05:16 2022
Response via : Initial Calibration

Reviewed By :Krupa Patel 09/08/2022
Supervised By :Mahesh Dadoda 09/08/2022





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.21 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 7 Sep 2022 16:54 SV-1

Tot Ion:

Ion Ratio

49 100

128 50.

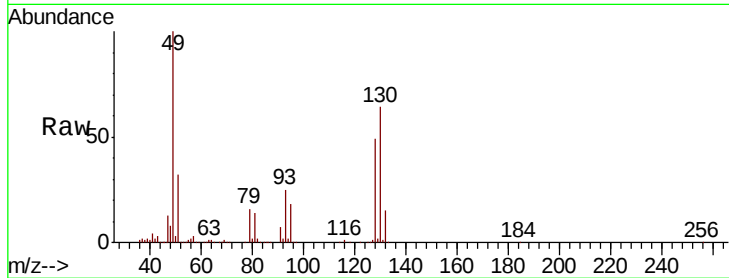
130 65.

Manual Integrations

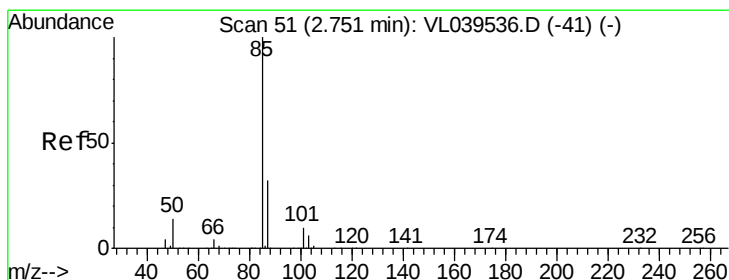
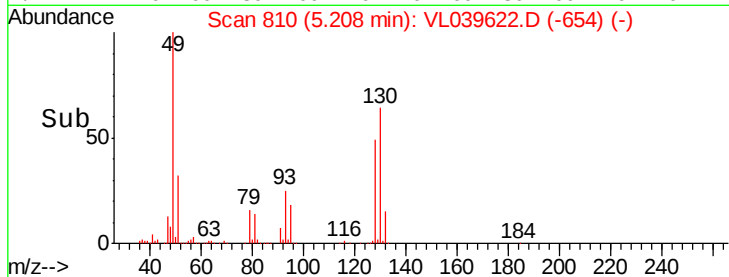
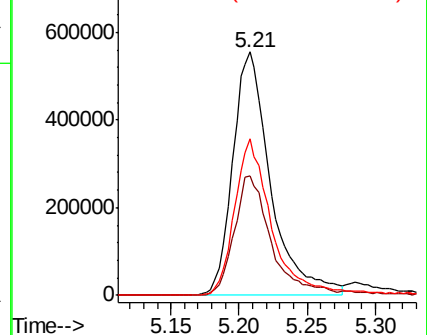
APPROVED

Reviewed By :Krupa Patel 09/08/2022

Supervised By :Mahesh Dadoda 09/08/2022



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



#2

Dichlorodifluoromethane

Concen: 0.083 ppbv

RT: 2.75 min Scan# 46

Delta R.T. 0.00 min

Lab File: VL039622.D

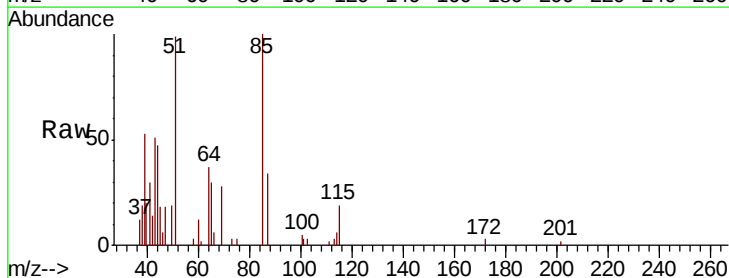
Acq: 7 Sep 2022 16:54

Tgt Ion: 85 Resp: 11828

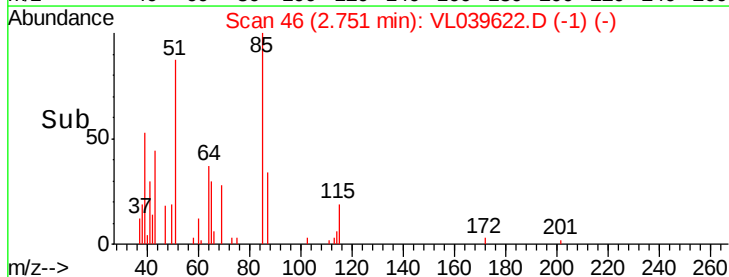
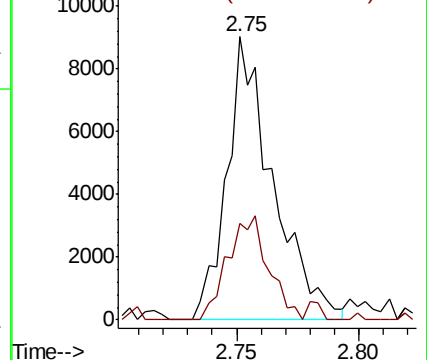
Ion Ratio Lower Upper

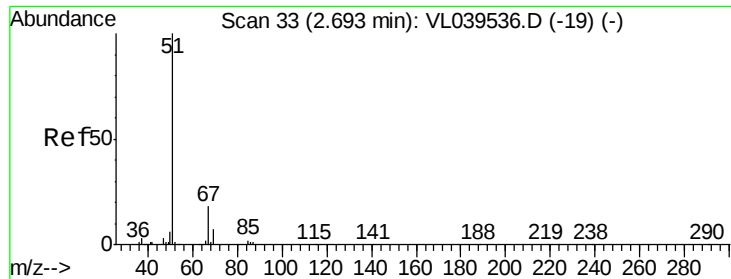
85 100

87 33.9 26.7 40.1



Abundance Ion 85.00 (84.70 to 85.70): VL0
Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 1.428 ppbv

RT: 2.68 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 7 Sep 2022 16:54 SV-1

Tot Ion:

Ion Ratio

51 100

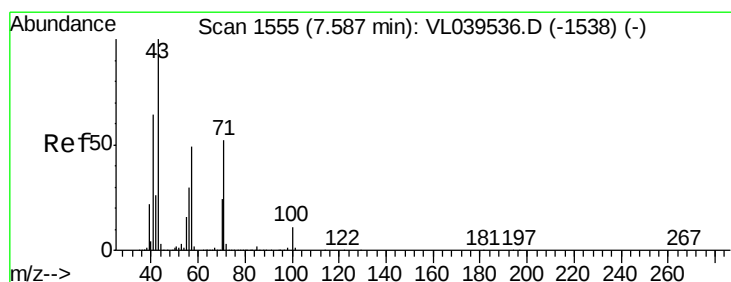
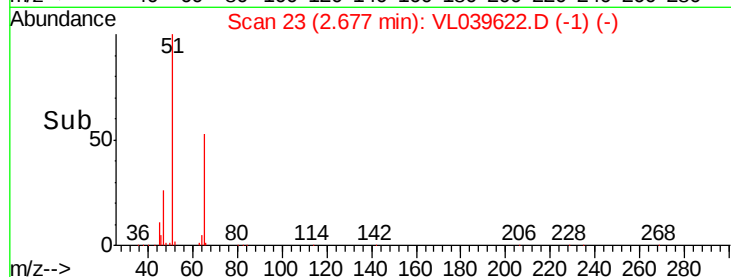
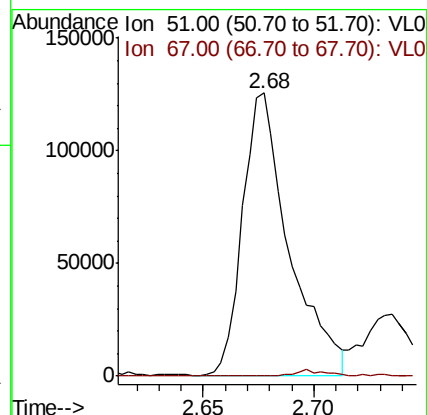
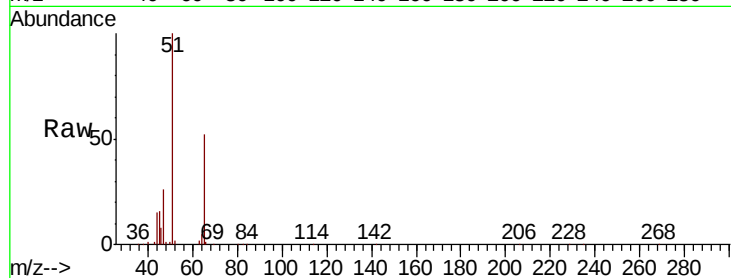
67 1.

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 09/08/2022

Supervised By :Mahesh Dadoda 09/08/2022



#10

Heptane

Concen: 0.165 ppbv m

RT: 7.59 min Scan# 1550

Delta R.T. 0.00 min

Lab File: VL039622.D

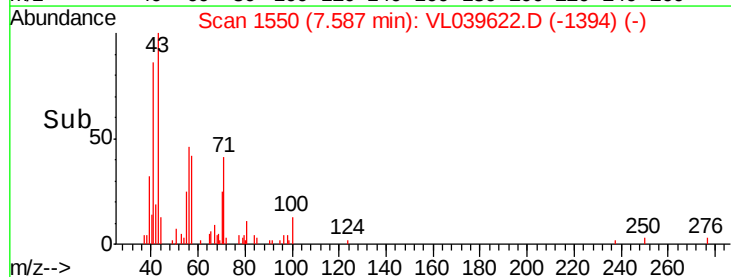
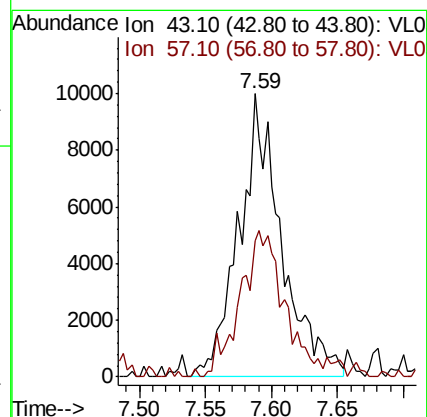
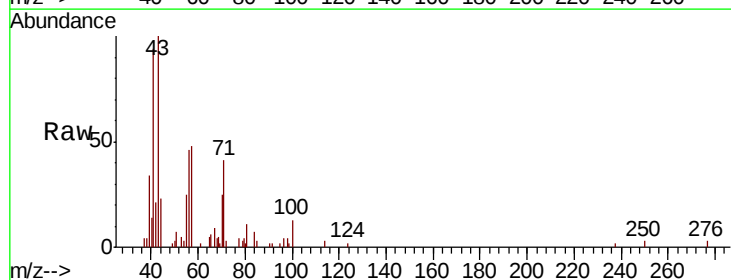
Acq: 7 Sep 2022 16:54

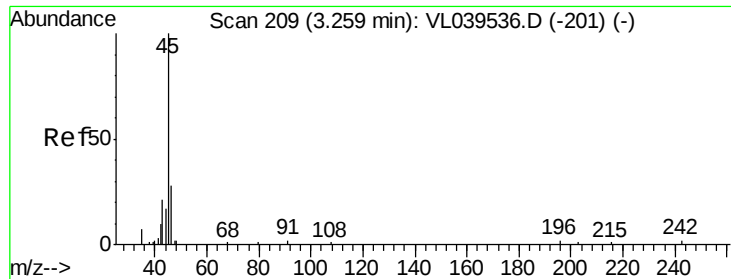
Tgt Ion: 43 Resp: 22329

Ion Ratio Lower Upper

43 100

57 57.1 40.5 60.7



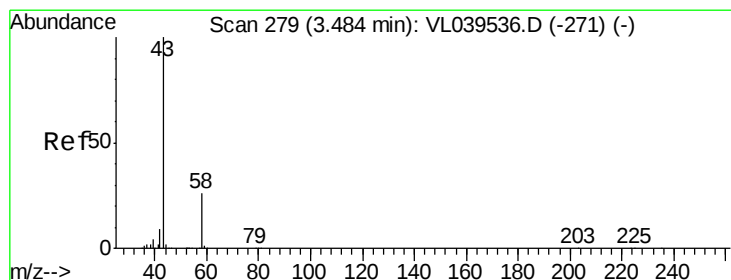
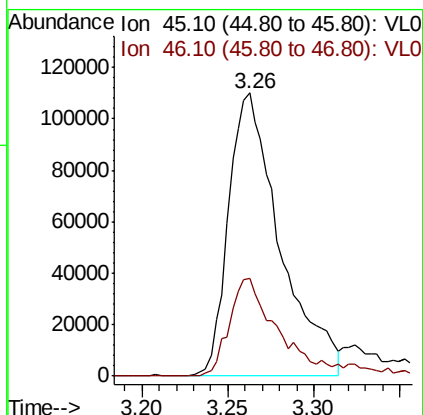
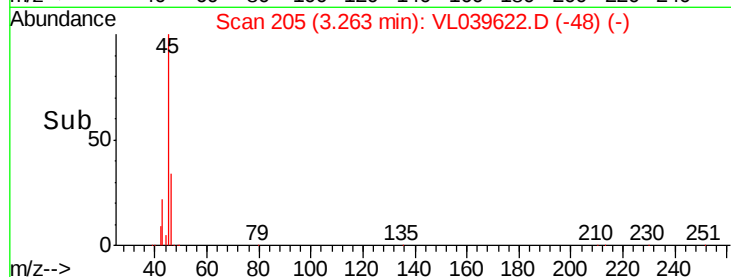
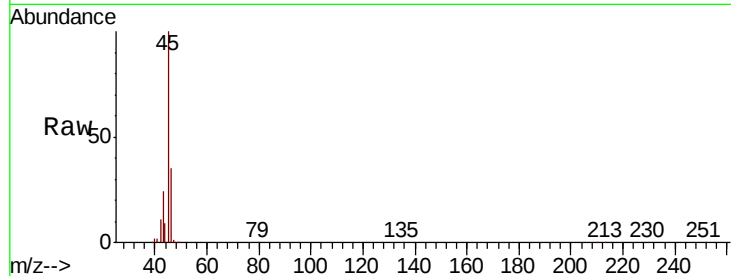


#13
Ethanol
Concen: 54.458 ppbv
RT: 3.26
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 7 Sep 2022 16:54

Tot Ion:
Ion Ratio
45 100
46 35.

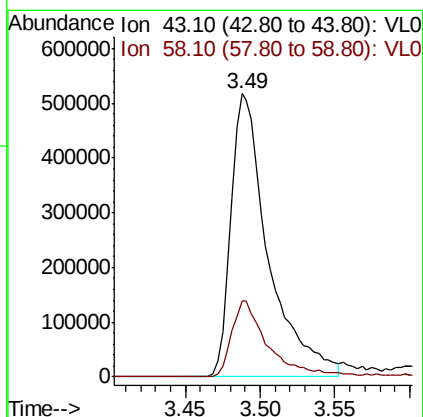
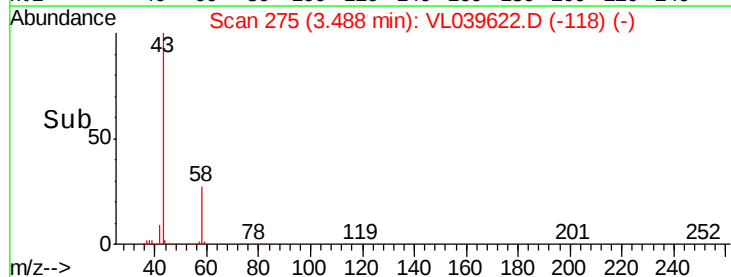
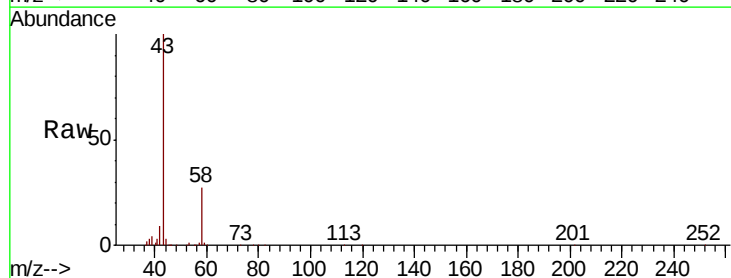
Manual Integrations
APPROVED

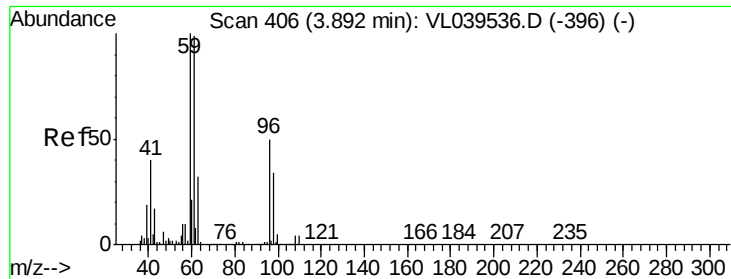
Reviewed By :Krupa Patel 09/08/2022
Supervised By :Mahesh Dadoda 09/08/2022



#15
Acetone
Concen: 7.461 ppbv
RT: 3.49 min Scan# 275
Delta R.T. 0.00 min
Lab File: VL039622.D
Acq: 7 Sep 2022 16:54

Tgt Ion: 43 Resp: 897624
Ion Ratio Lower Upper
43 100
58 28.2 21.0 31.6





#17

tert-Butyl alcohol

Concen: 0.190 ppbv m

RT: 3.91

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 7 Sep 2022 16:54

Tot Ion:

Ion Ratio

59 100

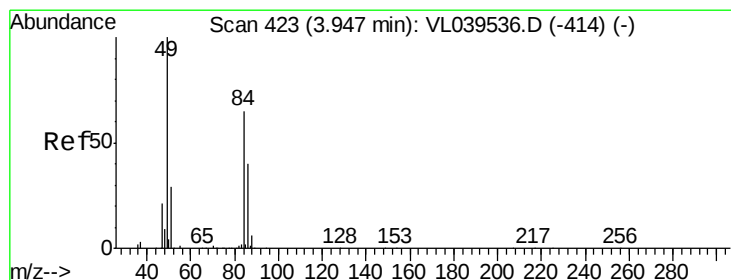
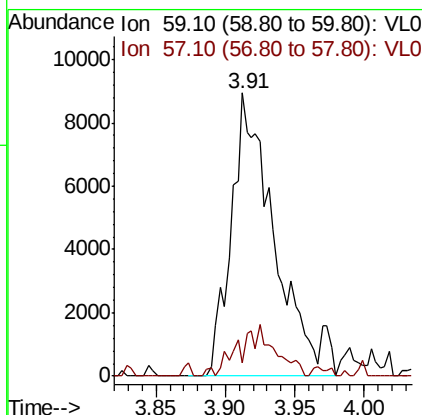
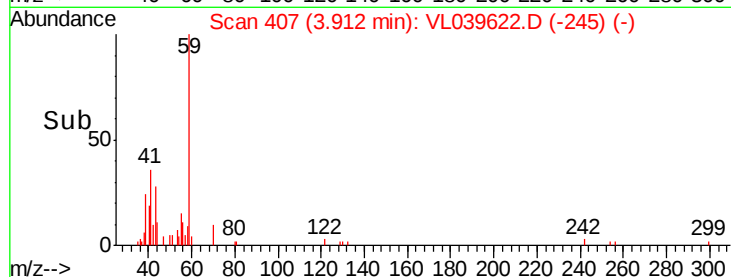
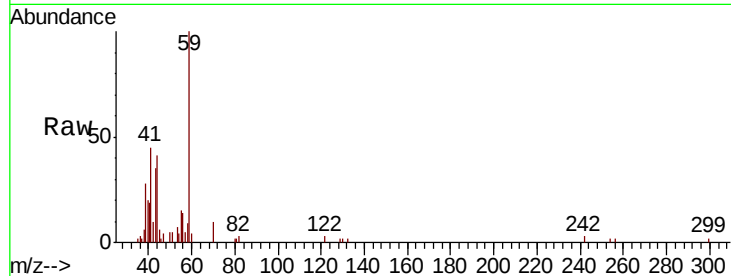
57 0.

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 09/08/2022

Supervised By :Mahesh Dadoda 09/08/2022



#20

Methylene Chloride

Concen: 2.930 ppbv

RT: 3.95 min Scan# 420

Delta R.T. 0.01 min

Lab File: VL039622.D

Acq: 7 Sep 2022 16:54

Tgt Ion: 84 Resp: 143203

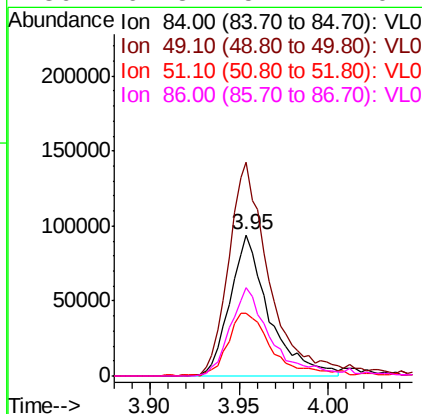
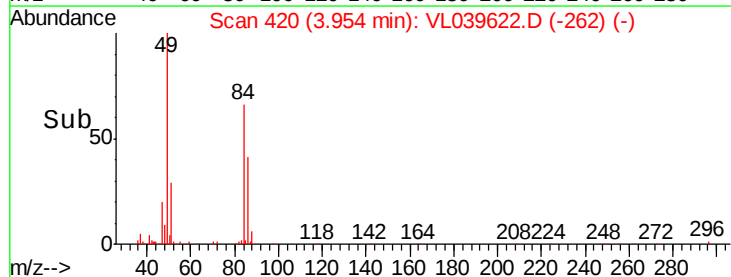
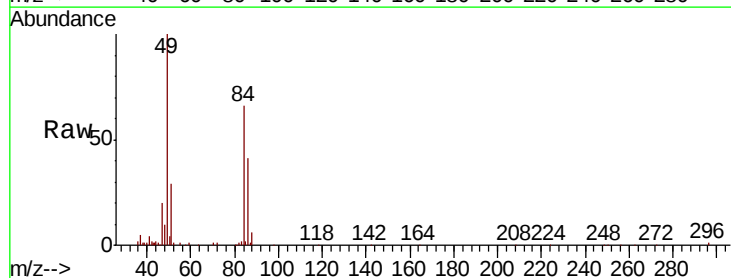
Ion Ratio Lower Upper

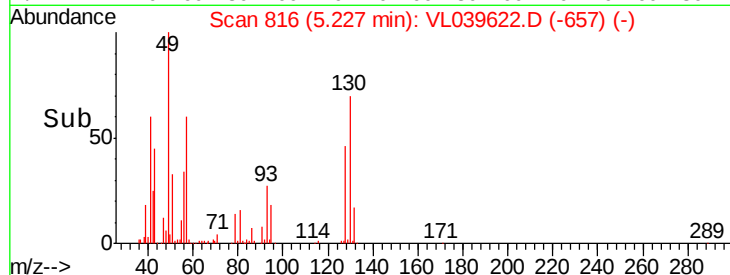
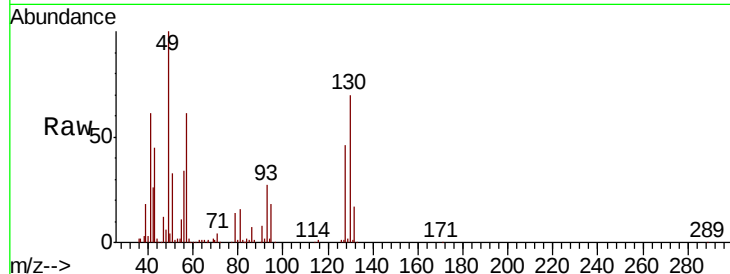
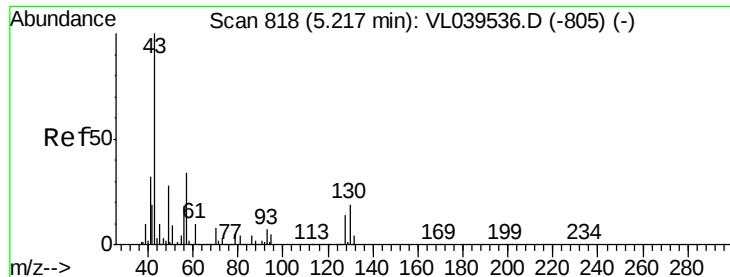
84 100

49 151.2 123.1 184.7

51 44.0 34.4 51.6

86 62.8 51.1 76.7



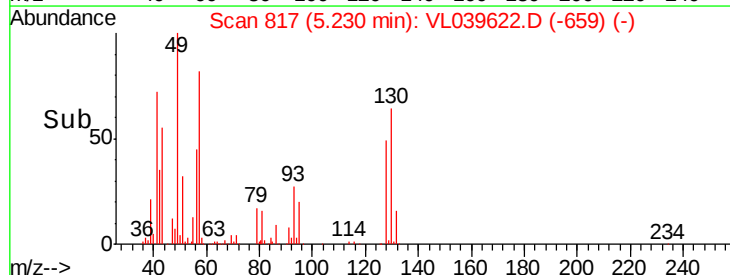
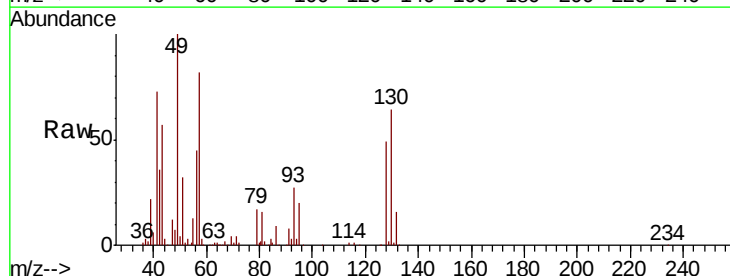
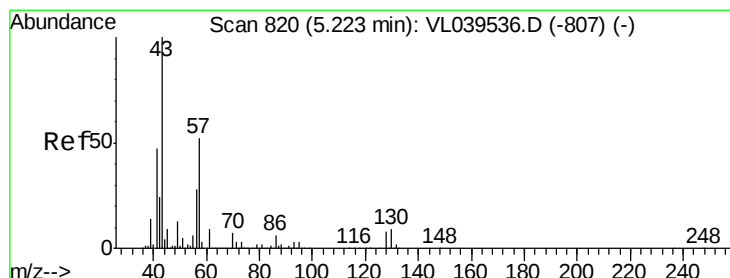
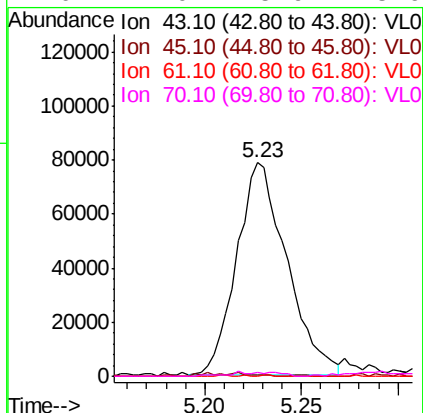


#25
Ethyl Acetate
Concen: 0.547 ppbv
RT: 5.23
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 7 Sep 2022 16:54

Tot Ion:
Ion Ratio
43 100
45 1.
61 0.
70 2.0 5.9 8.9#

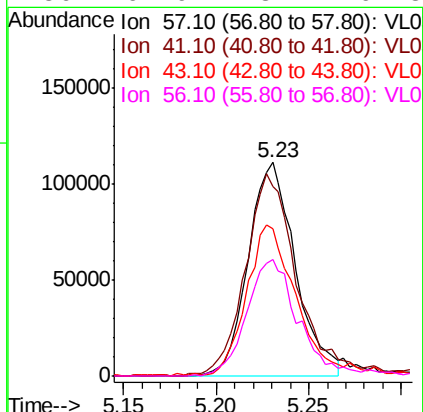
Manual Integrations
APPROVED

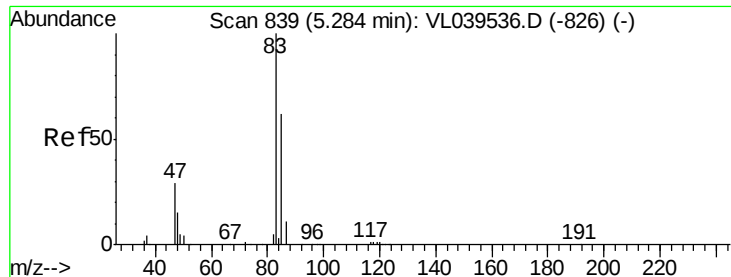
Reviewed By :Krupa Patel 09/08/2022
Supervised By :Mahesh Dadoda 09/08/2022



#26
Hexane
Concen: 1.869 ppbv
RT: 5.23 min Scan# 817
Delta R.T. 0.01 min
Lab File: VL039622.D
Acq: 7 Sep 2022 16:54

Tgt Ion: 57 Resp: 196391
Ion Ratio Lower Upper
57 100
41 107.6 76.9 115.3
43 77.6 191.0 286.6#
56 61.9 43.2 64.8



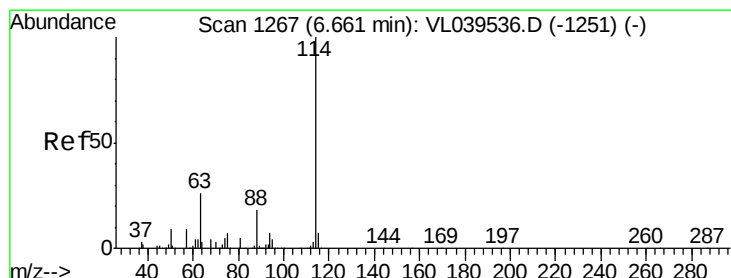
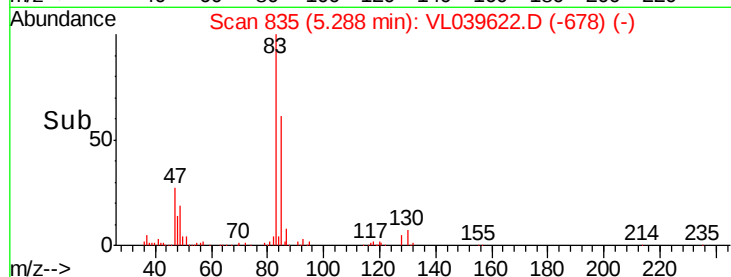
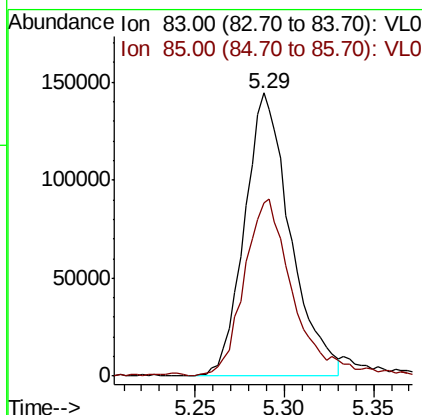
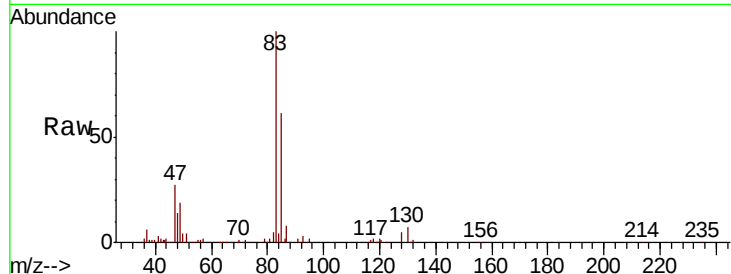


#29
Chloroform
Concen: 1.582 ppbv
RT: 5.29
Instrument : MSVOA_1
Delta R.T.:
Lab File: ClientSampleId : SV-1
Acq: 7 Sep 2022 16:54

Tot Ion:
Ion Ratio
83 100
85 61.

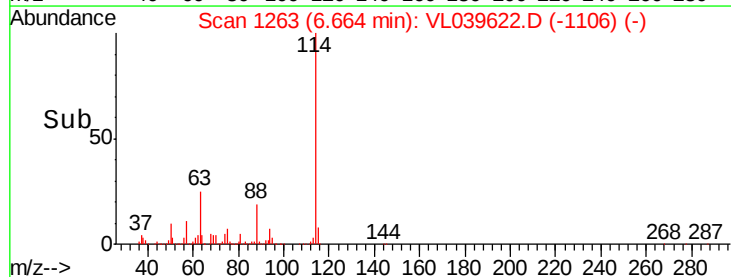
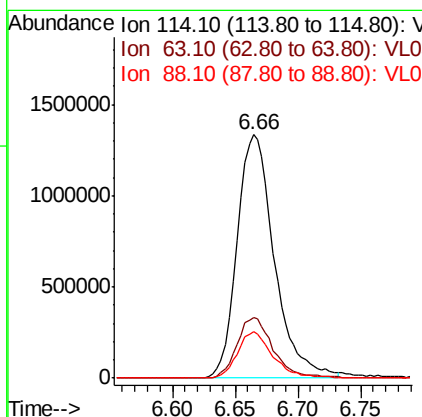
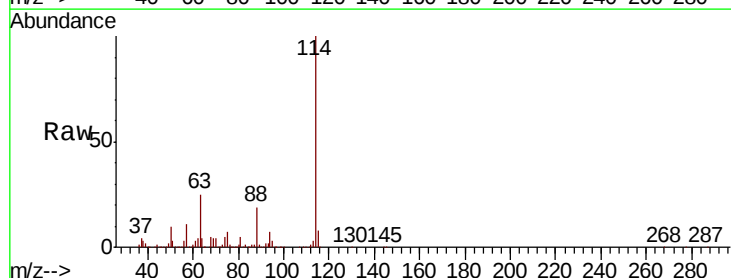
Manual Integrations
APPROVED

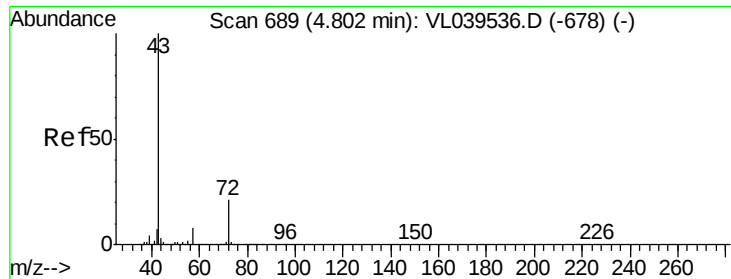
Reviewed By :Krupa Patel 09/08/2022
Supervised By :Mahesh Dadoda 09/08/2022



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.66 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VL039622.D
Acq: 7 Sep 2022 16:54

Tgt Ion:114 Resp: 2754952
Ion Ratio Lower Upper
114 100
63 24.8 20.2 30.4
88 18.4 14.5 21.7



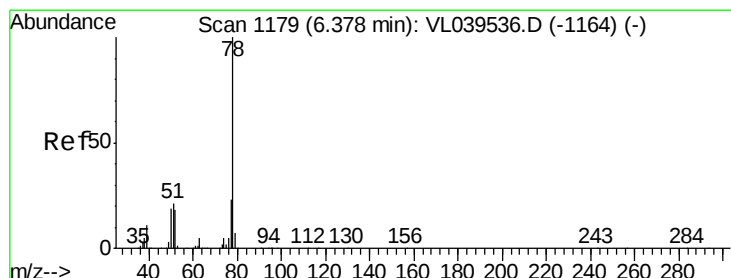
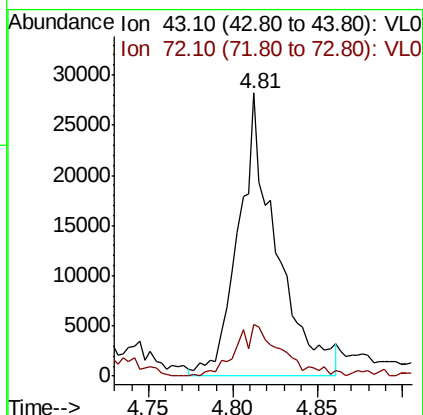
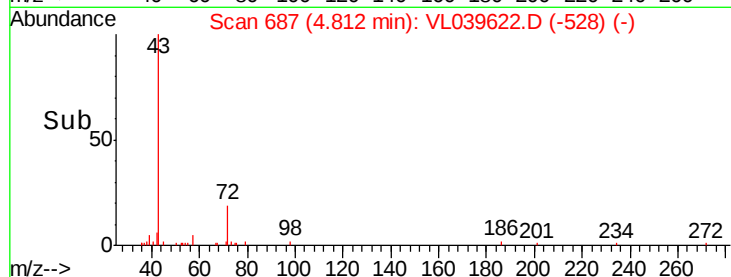
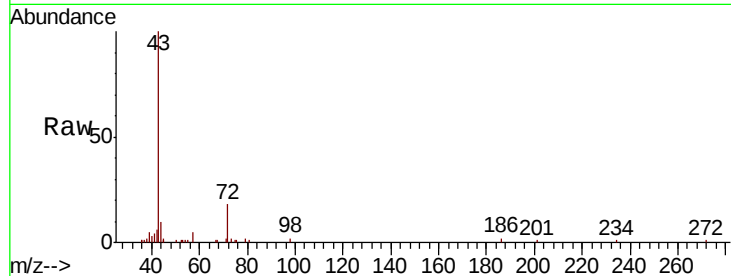


#34
2-Butanone
Concen: 0.321 ppbv m
RT: 4.81
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId :
Acq: 7 Sep 2022 16:54

Tot Ion:
Ion Ratio
43 100
72 23.

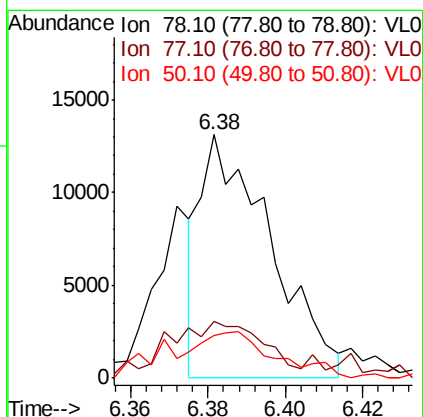
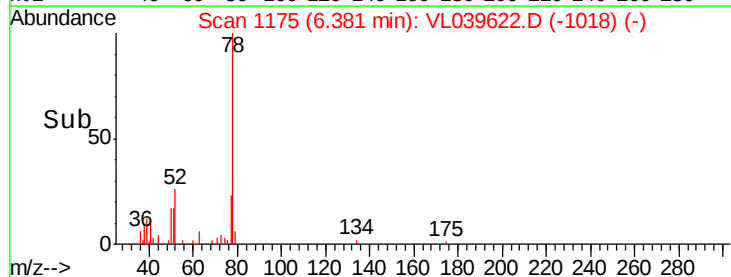
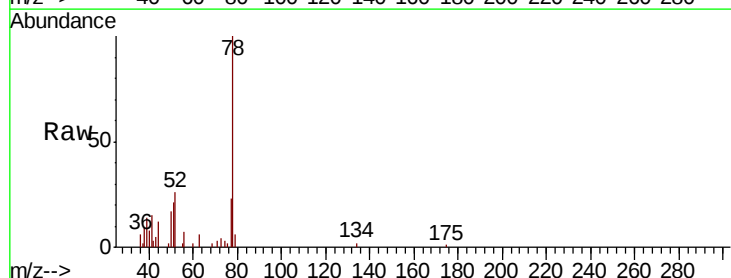
Manual Integrations
APPROVED

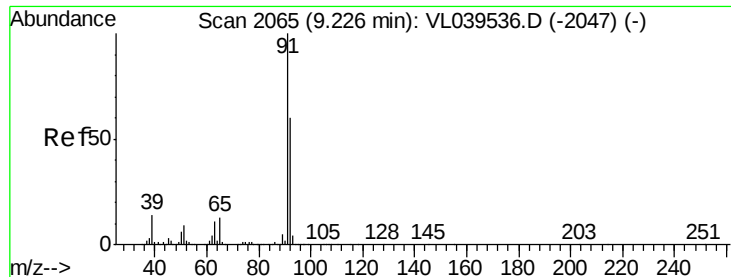
Reviewed By :Krupa Patel 09/08/2022
Supervised By :Mahesh Dadoda 09/08/2022



#36
Benzene
Concen: 0.078 ppbv
RT: 6.38 min Scan# 1175
Delta R.T. 0.00 min
Lab File: VL039622.D
Acq: 7 Sep 2022 16:54

Tgt Ion: 78 Resp: 16430
Ion Ratio Lower Upper
78 100
77 19.9 20.3 30.5#
50 17.4 15.5 23.3



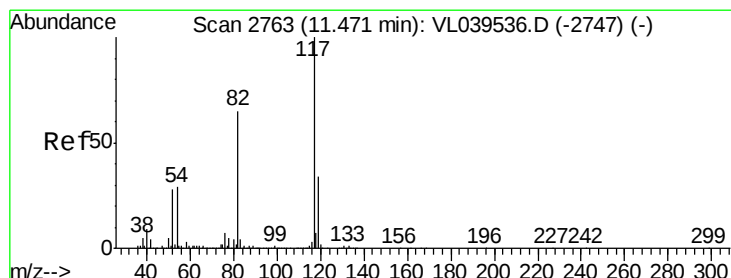
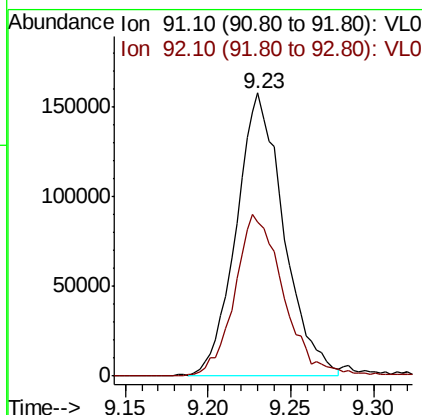
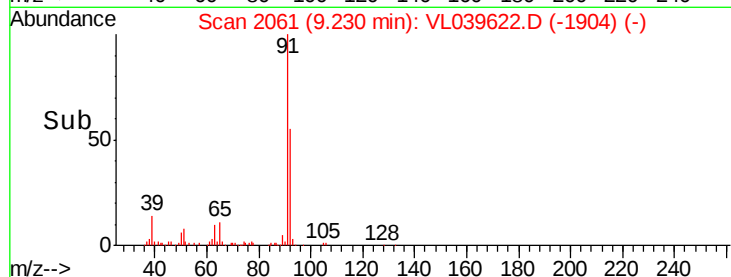
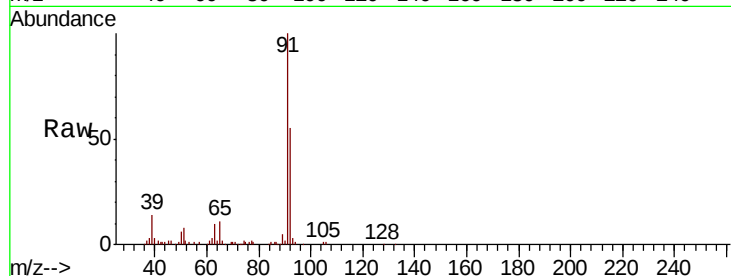


#53
Toluene
Concen: 1.326 ppbv
RT: 9.23
Delta R.T.: MSVOA_L
Lab File: ClientSampled :
Acq: 7 Sep 2022 16:54

Tot Ion:
Ion Ratio
91 100
92 60.

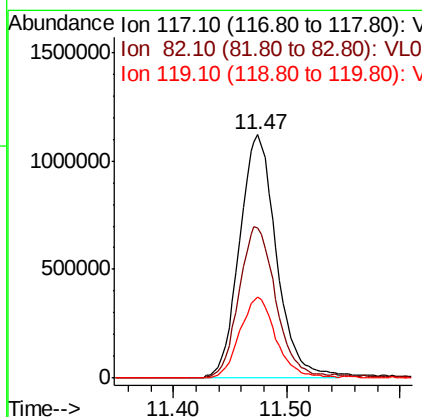
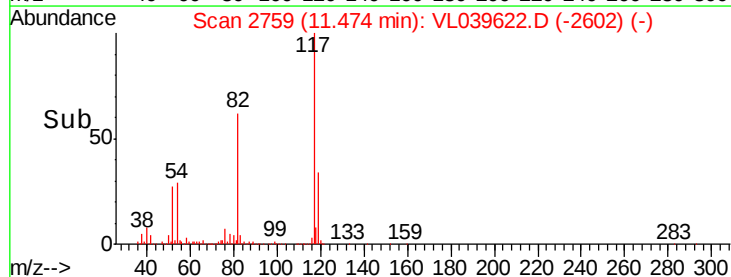
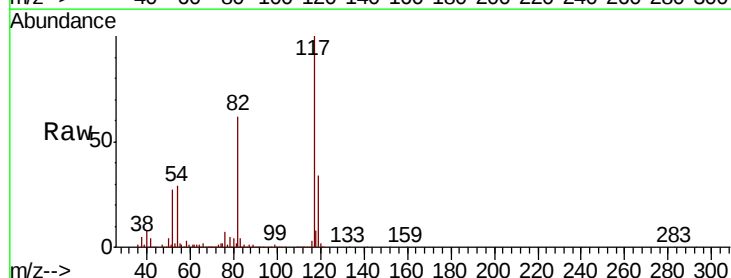
Manual Integrations
APPROVED

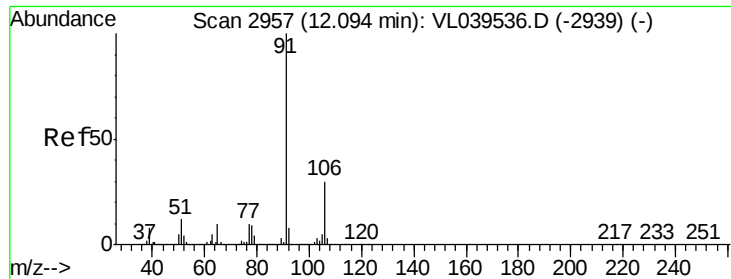
Reviewed By :Krupa Patel 09/08/2022
Supervised By :Mahesh Dadoda 09/08/2022



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.47 min Scan# 2759
Delta R.T.: 0.00 min
Lab File: VL039622.D
Acq: 7 Sep 2022 16:54

Tgt Ion:117 Resp: 2546142
Ion Ratio Lower Upper
117 100
82 63.1 50.8 76.2
119 32.9 24.1 36.1



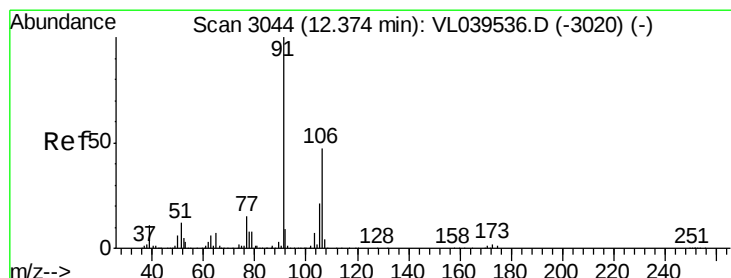
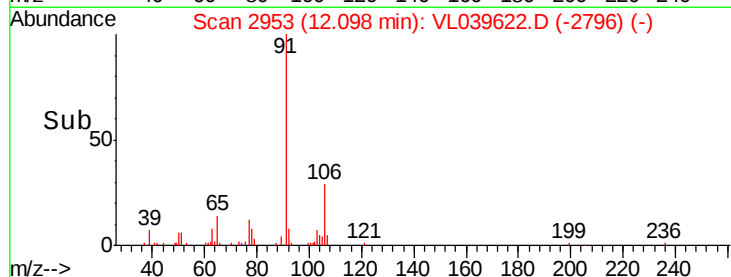
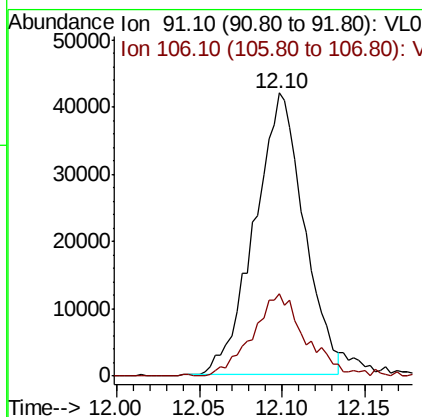
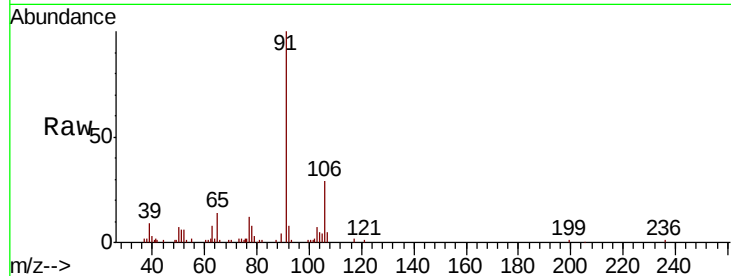


#58
Ethyl Benzene
Concen: 0.299 ppbv
RT: 12.10 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampled :
SV-1
Acq: 7 Sep 2022 16:54

Tot Ion:
Ion Ratio
91 100
106 28.

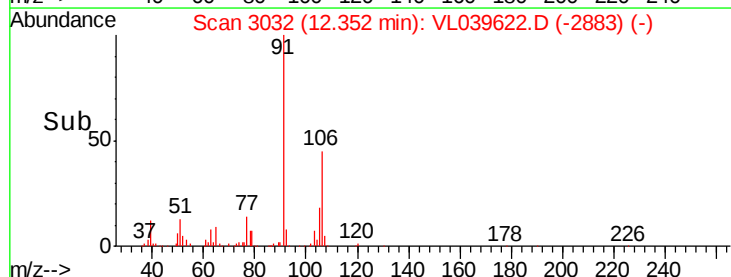
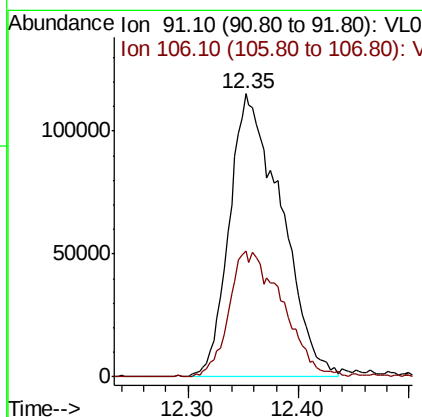
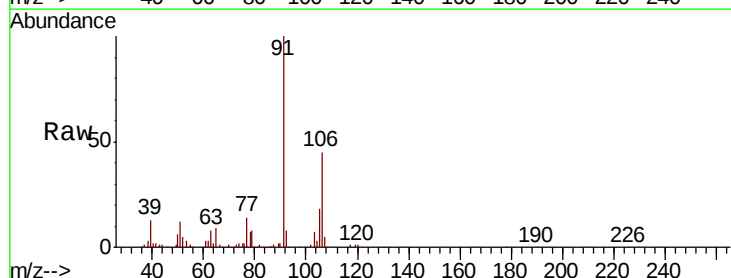
Manual Integrations
APPROVED

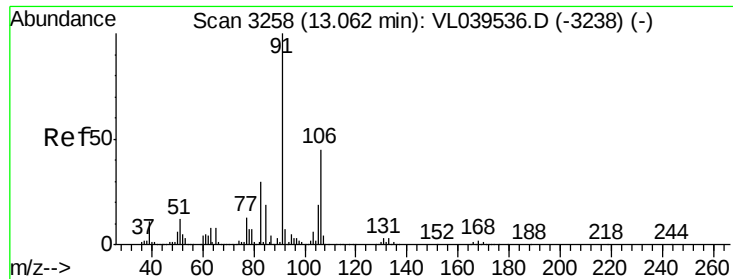
Reviewed By :Krupa Patel 09/08/2022
Supervised By :Mahesh Dadoda 09/08/2022



#59
m/p-Xylene
Concen: 1.427 ppbv
RT: 12.35 min Scan# 3032
Delta R.T. -0.02 min
Lab File: VL039622.D
Acq: 7 Sep 2022 16:54

Tgt Ion: 91 Resp: 374466
Ion Ratio Lower Upper
91 100
106 46.6 35.4 53.2



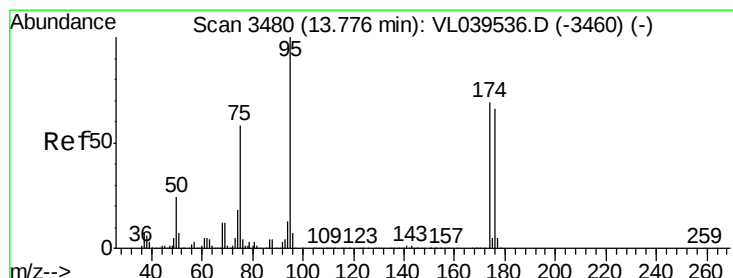
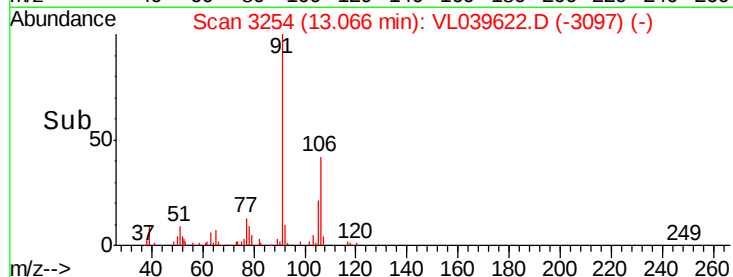
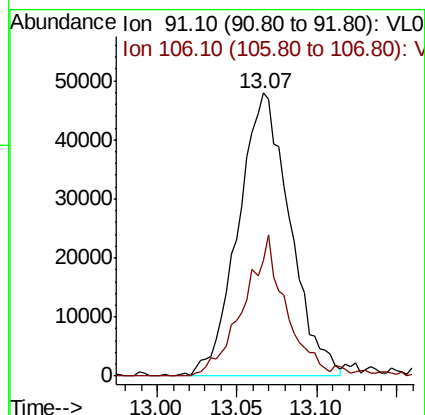
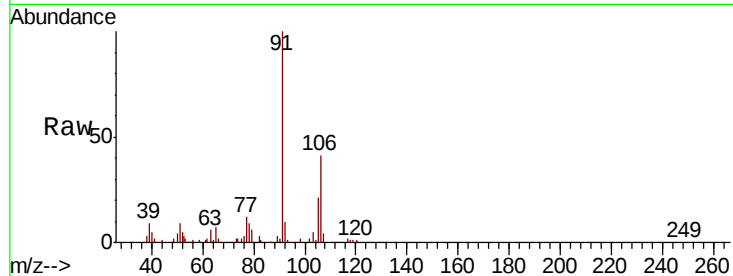


#60
o-Xylene
Concen: 0.419 ppbv
RT: 13.07 min
Delta R.T.: MSVOA_L
Lab File: ClientSampleId : SV-1
Acq: 7 Sep 2022 16:54

Tot Ion:
Ion Ratio
91 100
106 43.

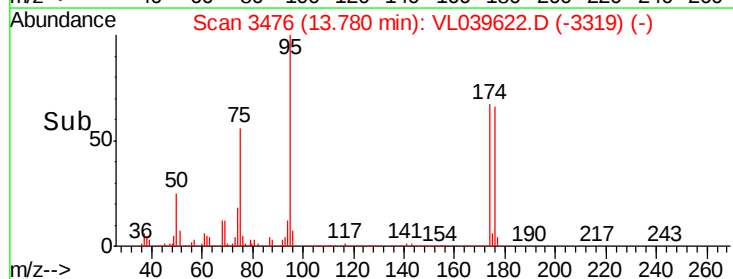
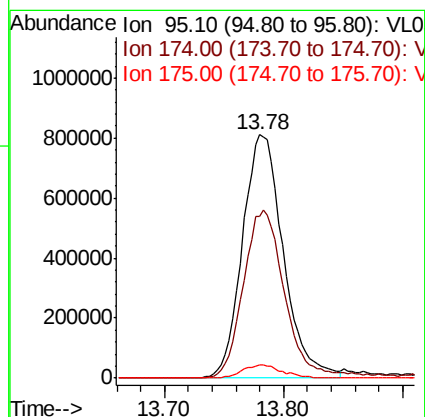
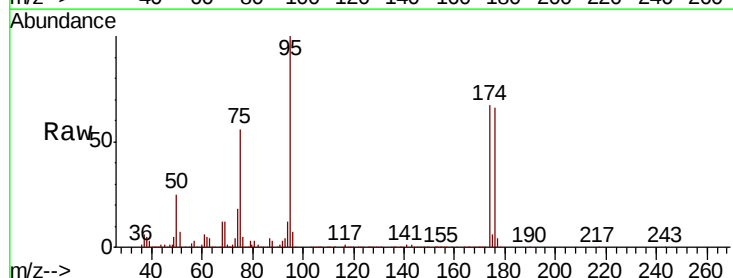
Manual Integrations
APPROVED

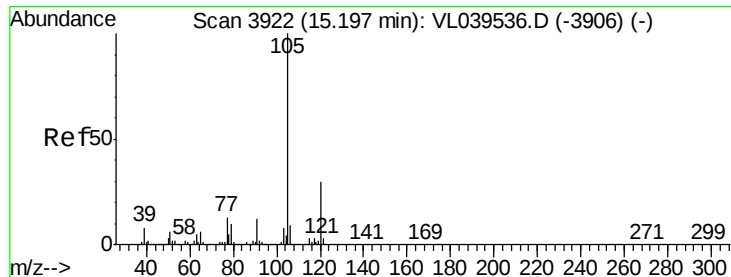
Reviewed By :Krupa Patel 09/08/2022
Supervised By :Mahesh Dadoda 09/08/2022



#68
1-Bromo-4-Fluorobenzene
Concen: 10.055 ppbv
RT: 13.78 min Scan# 3476
Delta R.T.: 0.00 min
Lab File: VL039622.D
Acq: 7 Sep 2022 16:54

Tgt Ion: 95 Resp: 1931506
Ion Ratio Lower Upper
95 100
174 72.3 55.9 83.9
175 5.5 4.2 6.4





#72

4-Ethyltoluene

Concen: 0.318 ppbv m

RT: 15.20

Delta R.T. MSVOA_L

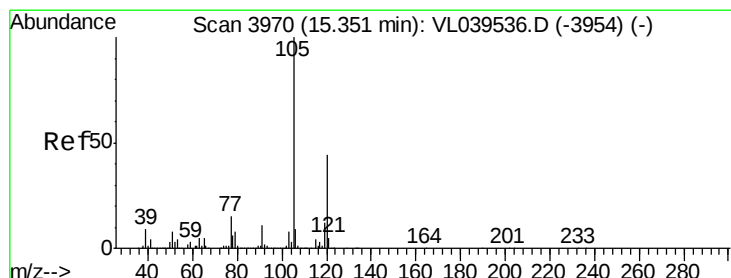
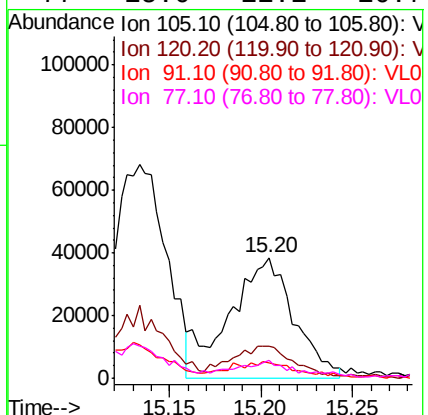
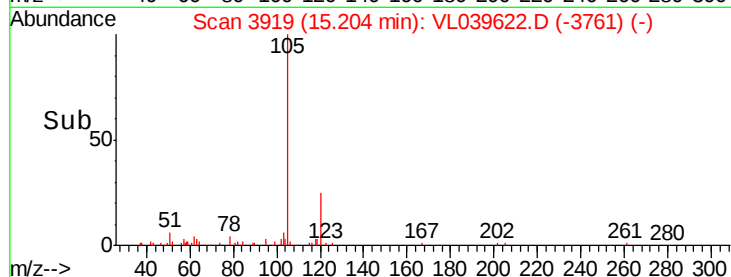
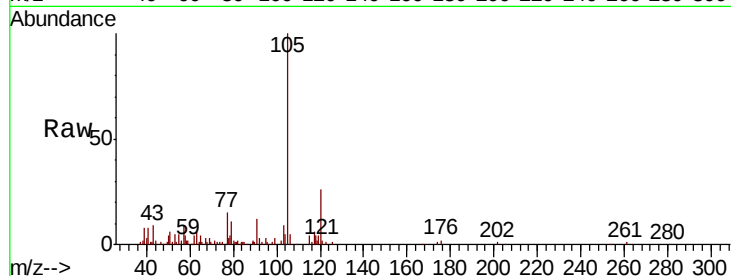
Lab File: ClientSampleId :

Acq: 7 Sep 2022 16:54

Tot Ion:1
Ion Rati
105 100
120 24.
91 12.
77 15.0 11.1 16.7

Manual Integrations
APPROVED

Reviewed By :Krupa Patel 09/08/2022
Supervised By :Mahesh Dadoda 09/08/2022



#73

1,3,5-Trimethylbenzene

Concen: 0.149 ppbv

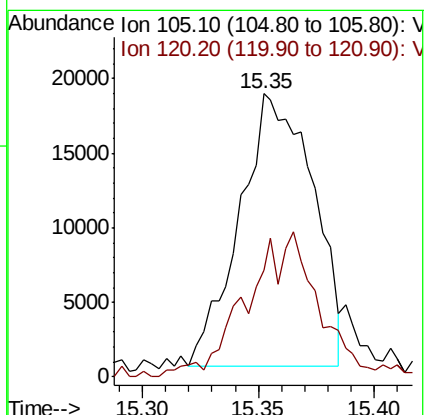
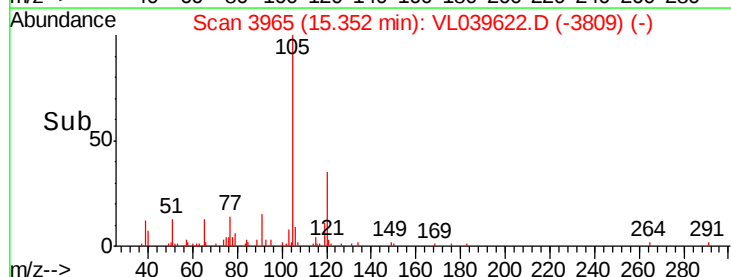
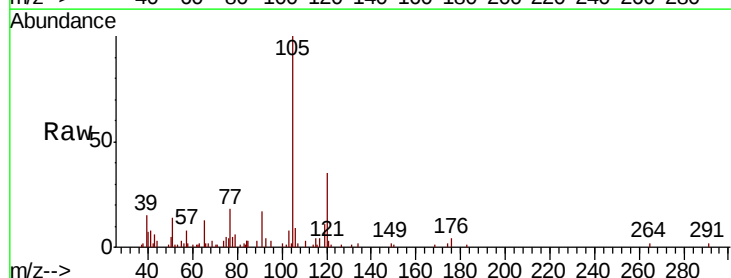
RT: 15.35 min Scan# 3965

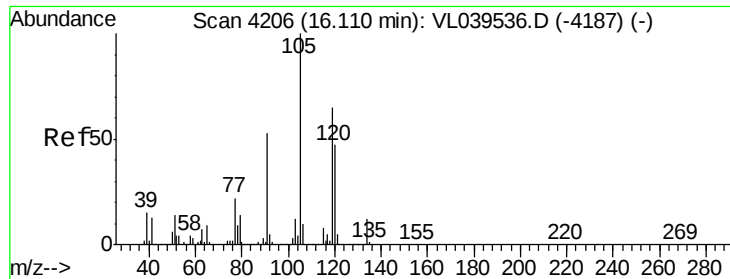
Delta R.T. 0.00 min

Lab File: VL039622.D

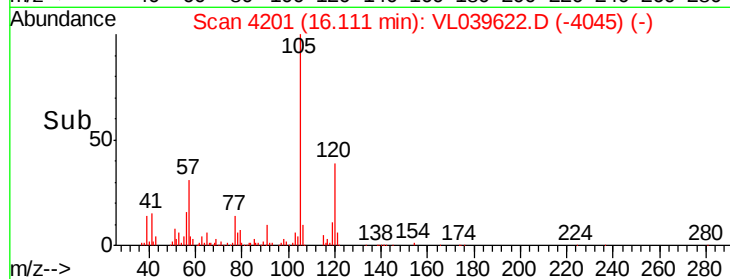
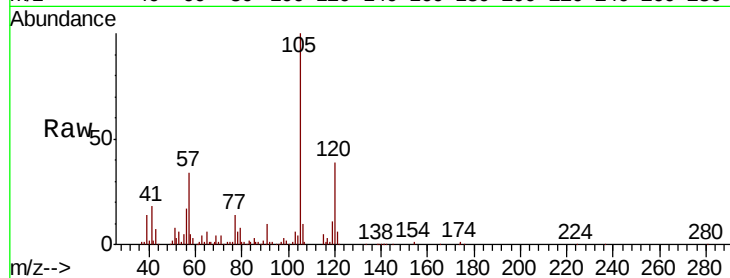
Acq: 7 Sep 2022 16:54

Tgt Ion:105 Resp: 40152
Ion Ratio Lower Upper
105 100
120 34.7 38.2 57.4#





#74
 1,2,4-Trimethylbenzene
 Concen: 0.863 ppbv
 RT: 16.11
 Delta R.T
 Lab File: ClientSampleId :
 Acq: 7 Sep 2022 16:34



Tot Ion:1
 Ion Rati
 105 100
 120 38.
 91 9.
 77 13.4 17.2 25.8#

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 09/08/2022
 Supervised By :Mahesh Dadoda 09/08/2022

