

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040925\
 Data File : VL042292.D
 Acq On : 09 Apr 2025 14:36
 Operator : SY/MD
 Sample : Q1665-04
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 AA-1-3242025

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/10/2025
 Supervised By :Mahesh Dadoda 04/10/2025

Quant Time: Apr 10 01:44:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Fri Mar 28 02:00:52 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	2.784	49	157856	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.956	114	383411	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.879	117	331322	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	250999	9.225	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	92.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.496	85	9272	0.398	ppbv	99
3) Chlorodifluoromethane	1.473	51	6821m	0.286	ppbv	
4) Chloromethane	1.531	50	5277	0.554	ppbv	92
9) Propene	1.486	41	8231	0.754	ppbv	93
11) Trichlorofluoromethane	1.874	101	4773	0.210	ppbv	100
13) Ethanol	1.719	45	13232	12.826	ppbv	88
15) Acetone	1.836	43	76719	3.475	ppbv	91
19) Isopropyl Alcohol	1.884	45	14854	1.192	ppbv #	1
20) Methylene Chloride	2.059	84	5511	0.670	ppbv	96
26) Hexane	2.823	57	23758	1.073	ppbv #	35
34) 2-Butanone	2.561	43	9840	0.354	ppbv	99
35) Carbon Tetrachloride	3.758	117	2688	0.090	ppbv	89
36) Benzene	3.651	78	9637	0.254	ppbv #	85
53) Toluene	6.937	91	12644m	0.281	ppbv	
59) m/p-Xylene	9.529	91	5742m	0.122	ppbv	

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

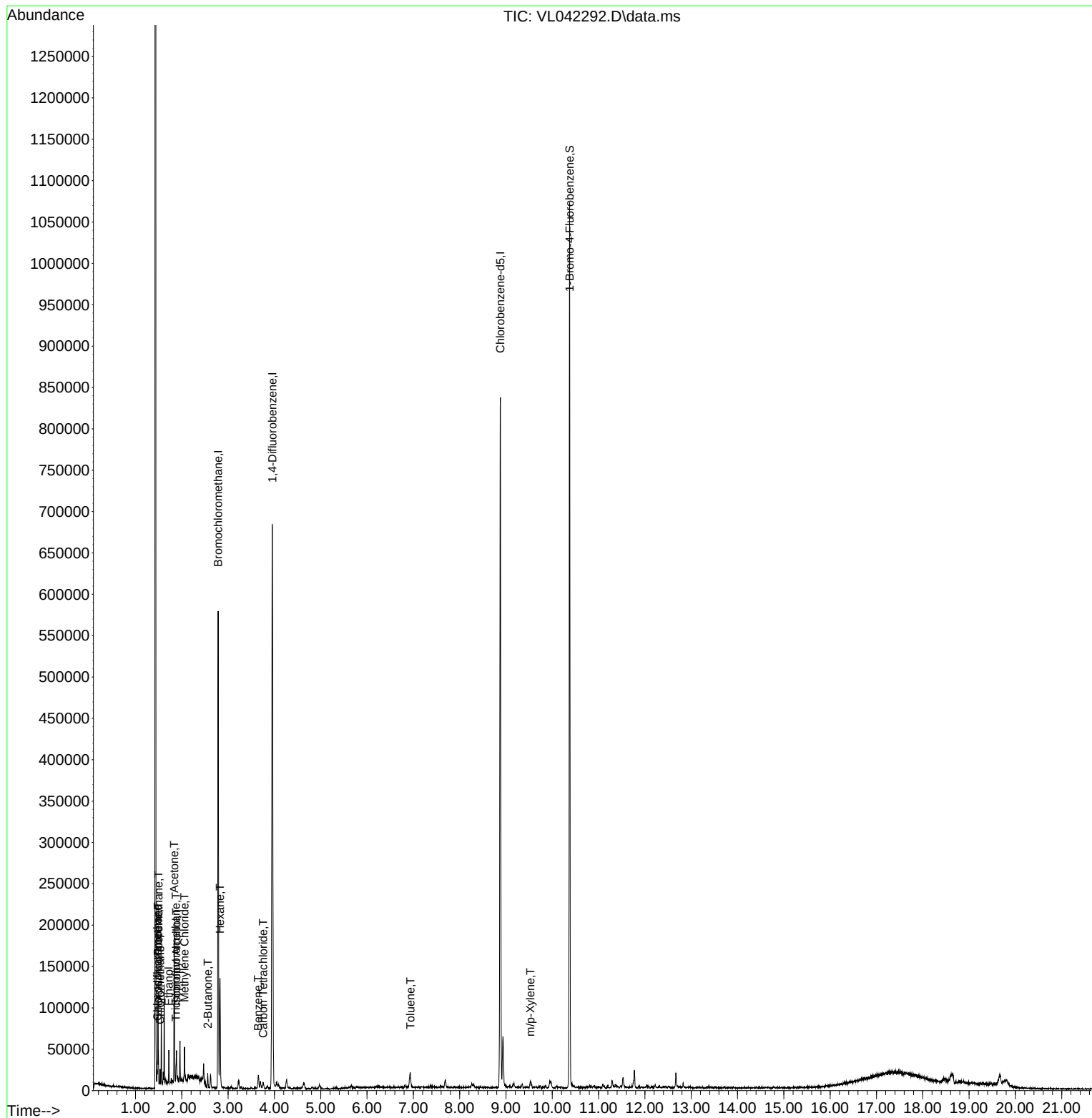
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040925\
Data File : VL042292.D
Acq On : 09 Apr 2025 14:36
Operator : SY/MD
Sample : Q1665-04
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

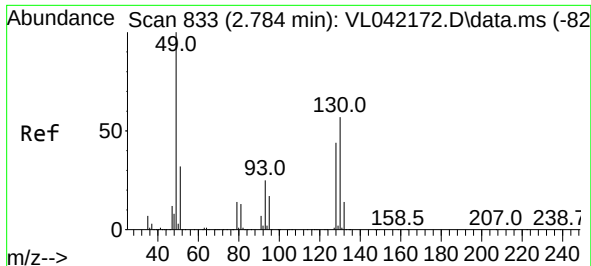
Instrument :
MSVOA_L
ClientSampleId :
AA-1-3242025

Quant Time: Apr 10 01:44:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri Mar 28 02:00:52 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

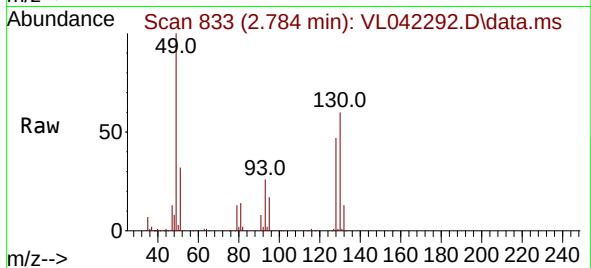
Reviewed By : Semsettin Yesilyurt 04/10/2025
Supervised By : Mahesh Dadoda 04/10/2025





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 81
Delta R.T. -0.000 min
Lab File: VL042292.D
Acq: 09 Apr 2025 14:36

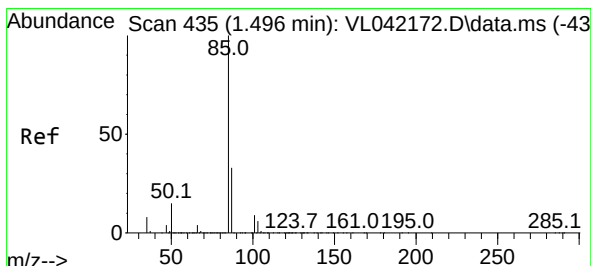
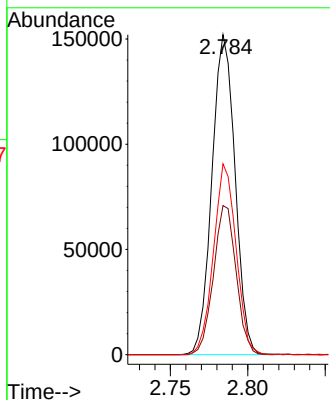
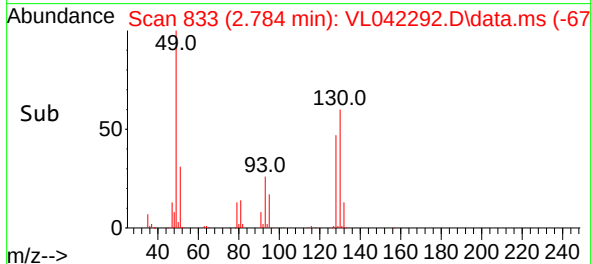
Instrument :
MSVOA_L
ClientSampleId :
AA-1-3242025



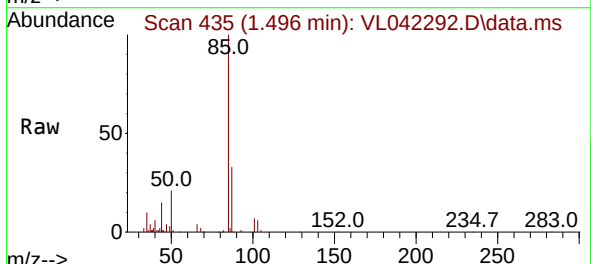
Tgt Ion: 49 Resp: 157850
Ion Ratio Lower Upper
49 100
128 45.7 22.9 68.5
130 58.3 28.8 86.4

Manual Integrations
APPROVED

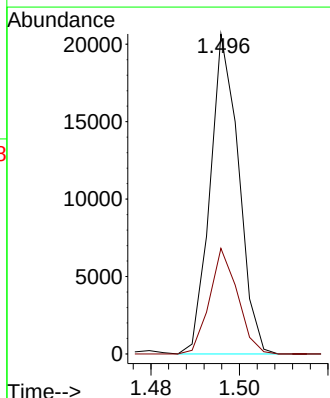
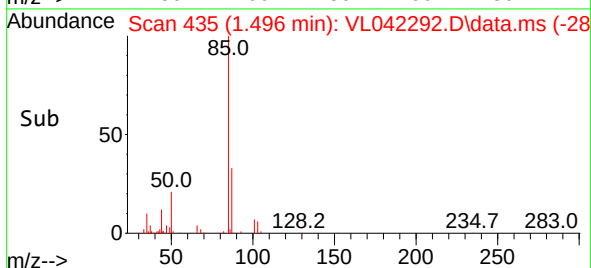
Reviewed By :Semsettin Yesilyurt 04/10/2025
Supervised By :Mahesh Dadoda 04/10/2025

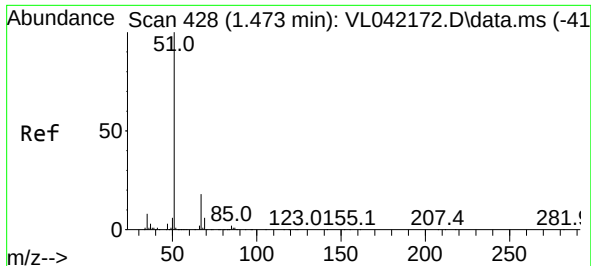


#2
Dichlorodifluoromethane
Concen: 0.398 ppbv
RT: 1.496 min Scan# 435
Delta R.T. 0.000 min
Lab File: VL042292.D
Acq: 09 Apr 2025 14:36



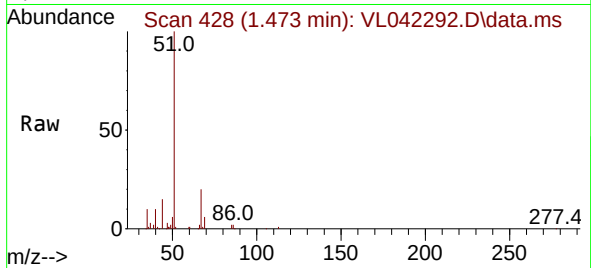
Tgt Ion: 85 Resp: 9272
Ion Ratio Lower Upper
85 100
87 33.0 26.1 39.1





#3
Chlorodifluoromethane
Concen: 0.286 ppbv m
RT: 1.473 min Scan# 428
Delta R.T. 0.000 min
Lab File: VL042292.D
Acq: 09 Apr 2025 14:36

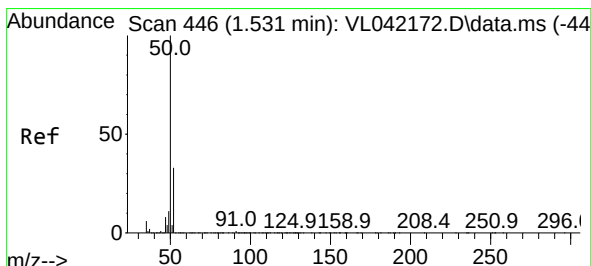
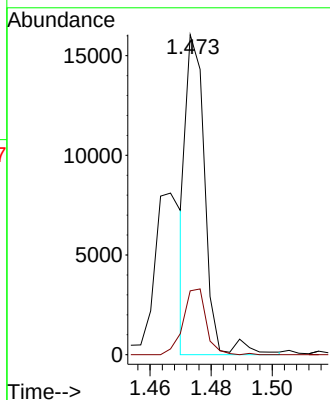
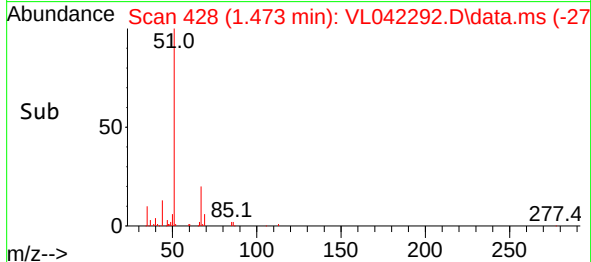
Instrument :
MSVOA_L
ClientSampleId :
AA-1-3242025



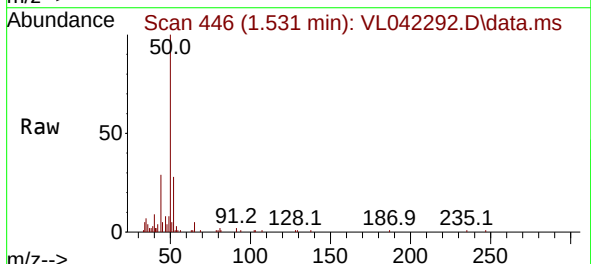
Tgt Ion: 51 Resp: 682
Ion Ratio Lower Upper
51 100
67 25.2 15.0 22.6

Manual Integrations
APPROVED

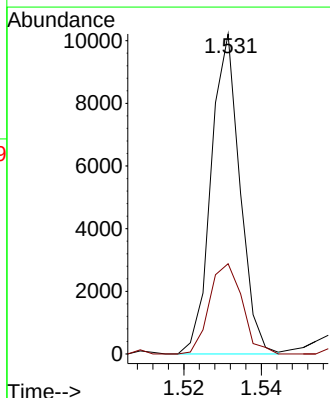
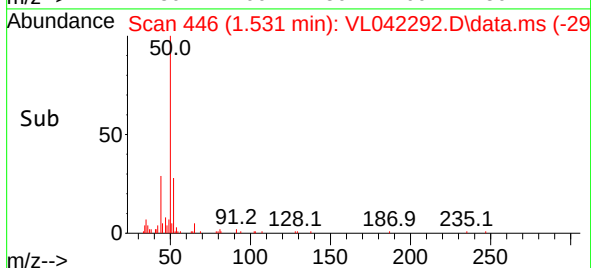
Reviewed By :Semsettin Yesilyurt 04/10/2025
Supervised By :Mahesh Dadoda 04/10/2025

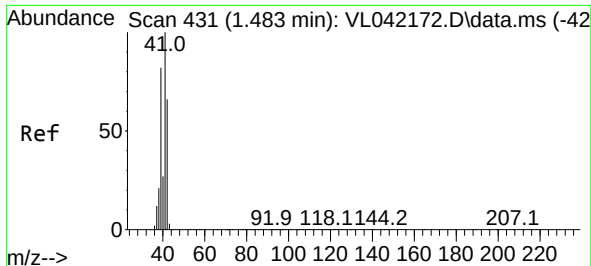


#4
Chloromethane
Concen: 0.554 ppbv
RT: 1.531 min Scan# 446
Delta R.T. 0.000 min
Lab File: VL042292.D
Acq: 09 Apr 2025 14:36



Tgt Ion: 50 Resp: 5277
Ion Ratio Lower Upper
50 100
52 28.2 26.1 39.1





#9

Propene

Concen: 0.754 ppbv

RT: 1.486 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL042292.D

Acq: 09 Apr 2025 14:36

Instrument :

MSVOA_L

ClientSampleId :

AA-1-3242025

Tgt Ion: 41 Resp: 823

Ion Ratio Lower Upper

41 100

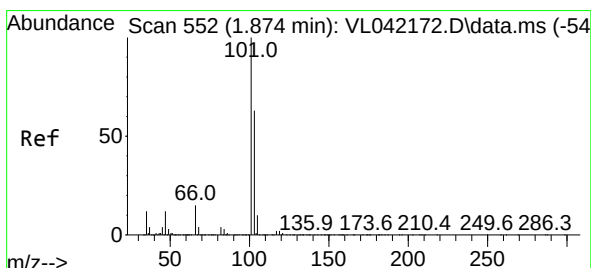
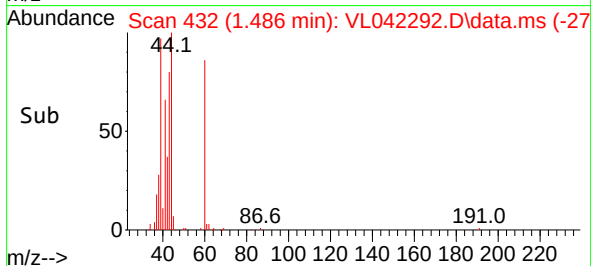
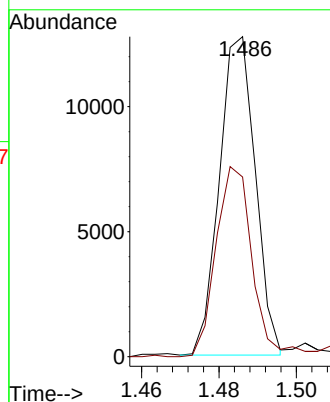
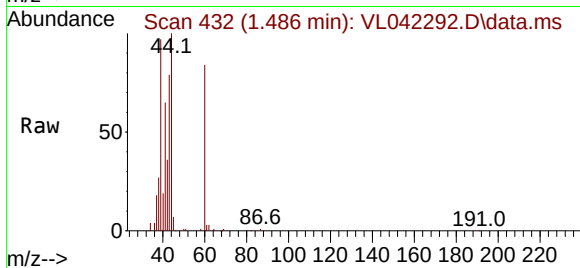
42 63.3 55.4 83.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/10/2025

Supervised By :Mahesh Dadoda 04/10/2025



#11

Trichlorofluoromethane

Concen: 0.210 ppbv

RT: 1.874 min Scan# 552

Delta R.T. 0.000 min

Lab File: VL042292.D

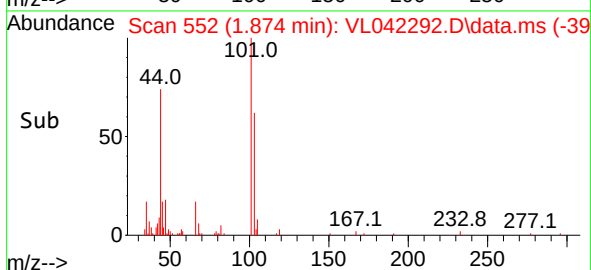
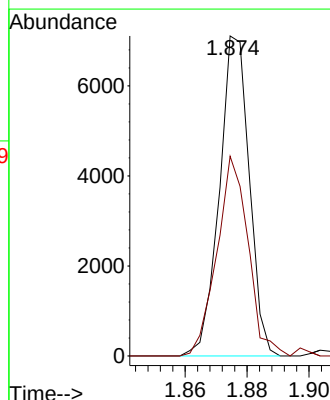
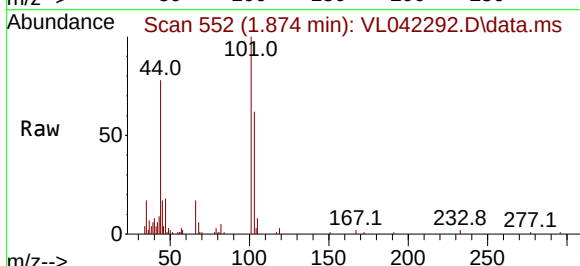
Acq: 09 Apr 2025 14:36

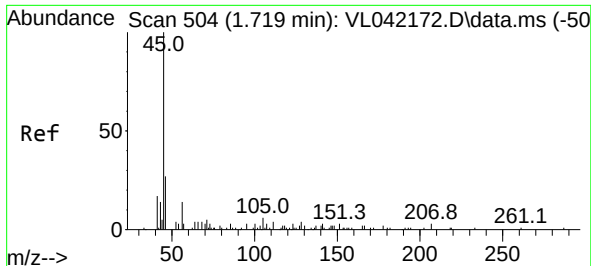
Tgt Ion:101 Resp: 4773

Ion Ratio Lower Upper

101 100

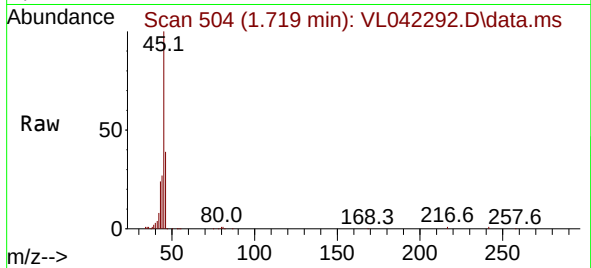
103 62.4 50.2 75.2





#13
Ethanol
Concen: 12.826 ppbv
RT: 1.719 min Scan# 504
Delta R.T. 0.000 min
Lab File: VL042292.D
Acq: 09 Apr 2025 14:36

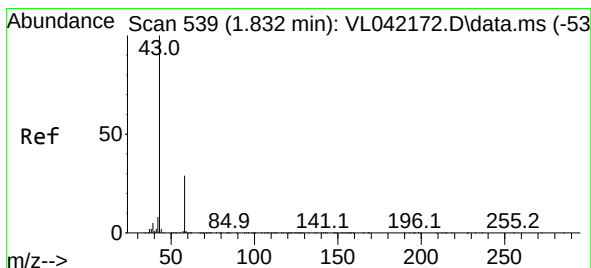
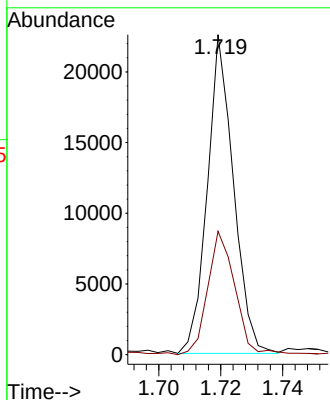
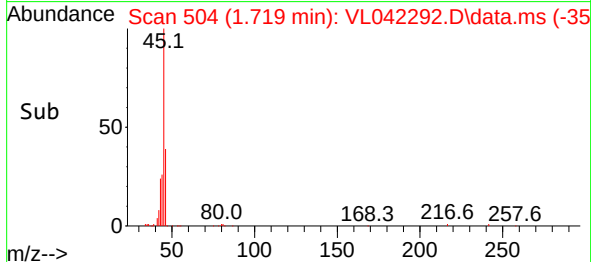
Instrument :
MSVOA_L
ClientSampleId :
AA-1-3242025



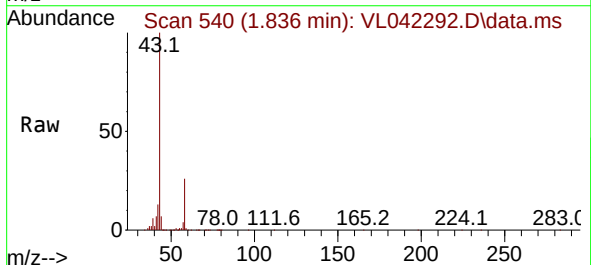
Tgt Ion: 45 Resp: 1323
Ion Ratio Lower Upper
45 100
46 42.5 20.2 80.8

Manual Integrations
APPROVED

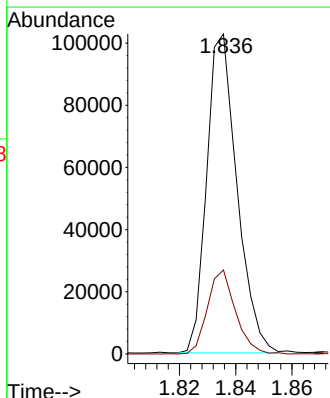
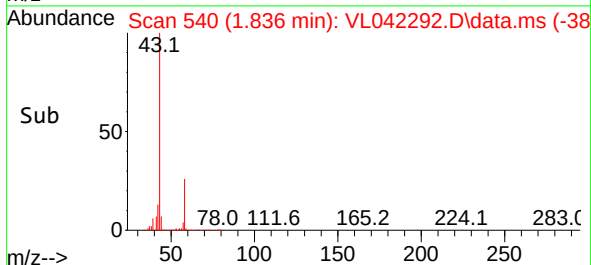
Reviewed By :Semsettin Yesilyurt 04/10/2025
Supervised By :Mahesh Dadoda 04/10/2025

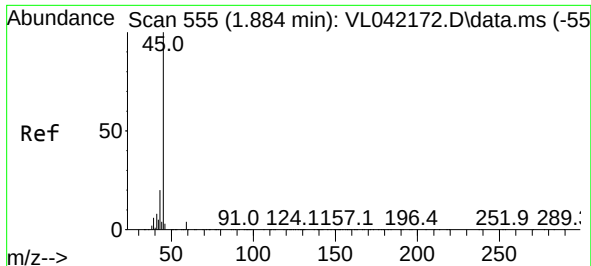


#15
Acetone
Concen: 3.475 ppbv
RT: 1.836 min Scan# 540
Delta R.T. 0.003 min
Lab File: VL042292.D
Acq: 09 Apr 2025 14:36



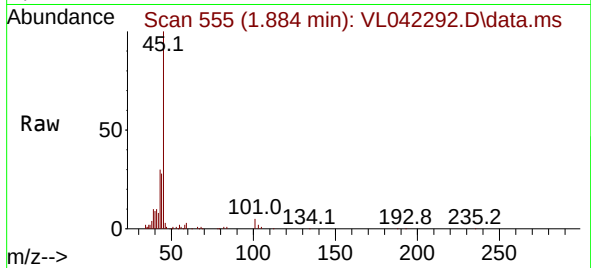
Tgt Ion: 43 Resp: 76719
Ion Ratio Lower Upper
43 100
58 24.3 23.2 34.8





#19
Isopropyl Alcohol
Concen: 1.192 ppbv
RT: 1.884 min Scan# 511
Delta R.T. 0.000 min
Lab File: VL042292.D
Acq: 09 Apr 2025 14:36

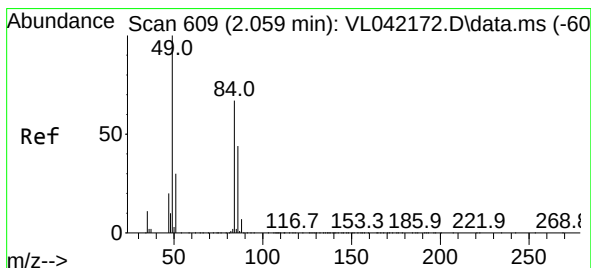
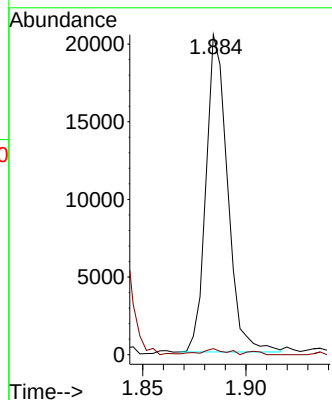
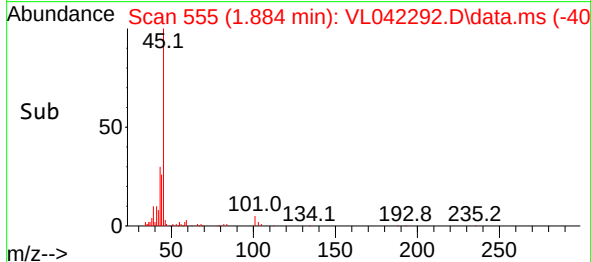
Instrument :
MSVOA_L
ClientSampleId :
AA-1-3242025



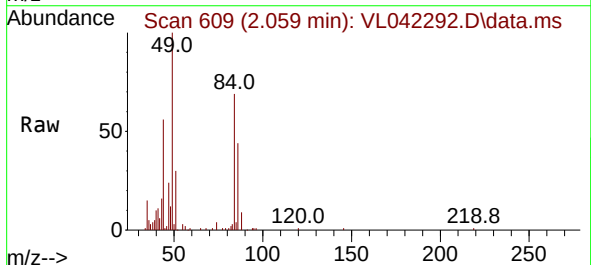
Tgt Ion: 45 Resp: 14854
Ion Ratio Lower Upper
45 100
58 125.4 36.9 55.3

Manual Integrations
APPROVED

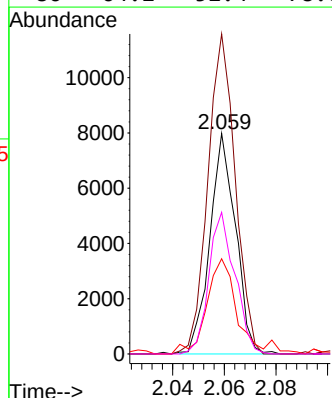
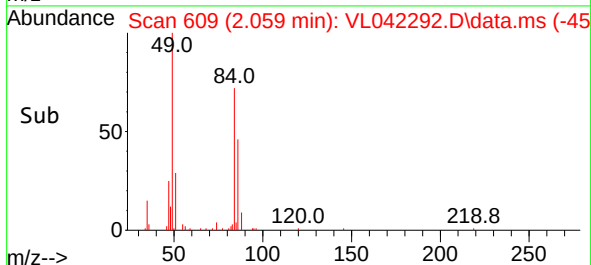
Reviewed By :Semsettin Yesilyurt 04/10/2025
Supervised By :Mahesh Dadoda 04/10/2025

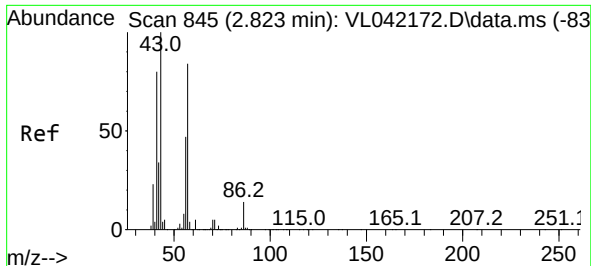


#20
Methylene Chloride
Concen: 0.670 ppbv
RT: 2.059 min Scan# 609
Delta R.T. 0.000 min
Lab File: VL042292.D
Acq: 09 Apr 2025 14:36



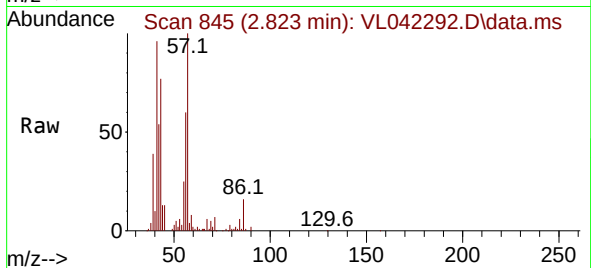
Tgt Ion: 84 Resp: 5511
Ion Ratio Lower Upper
84 100
49 145.1 120.2 180.4
51 42.4 37.4 56.0
86 64.2 52.4 78.6





#26
Hexane
Concen: 1.073 ppbv
RT: 2.823 min Scan# 845
Delta R.T. 0.000 min
Lab File: VL042292.D
Acq: 09 Apr 2025 14:36

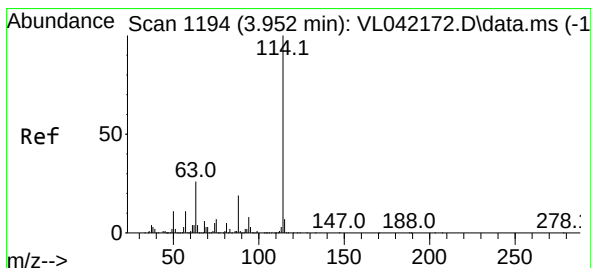
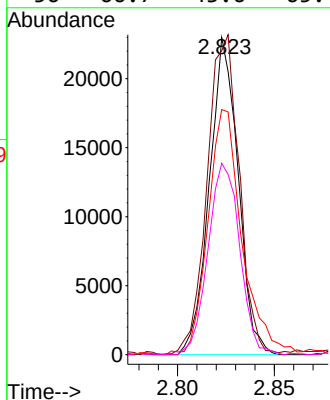
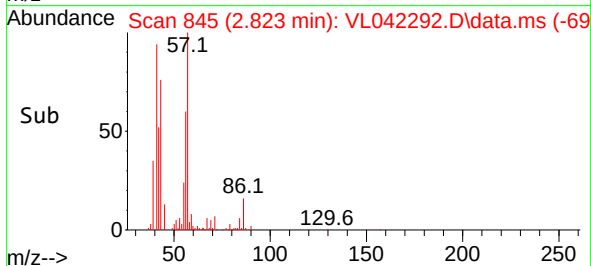
Instrument :
MSVOA_L
ClientSampleId :
AA-1-3242025



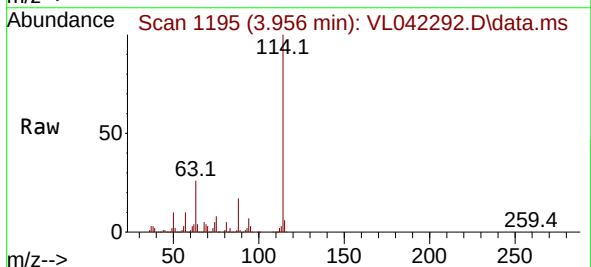
Tgt Ion: 57 Resp: 23758
Ion Ratio Lower Upper
57 100
41 112.9 76.6 114.8
43 94.2 207.8 311.8
56 66.7 43.6 65.4#

Manual Integrations
APPROVED

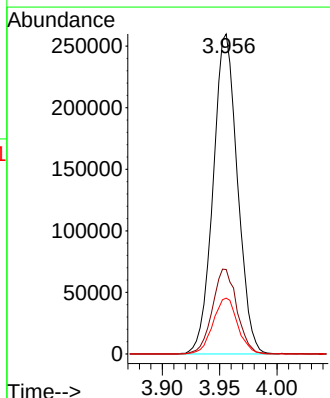
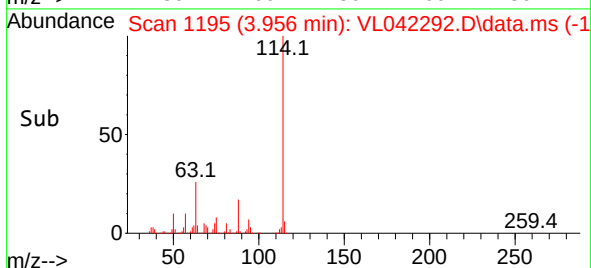
Reviewed By :Semsettin Yesilyurt 04/10/2025
Supervised By :Mahesh Dadoda 04/10/2025

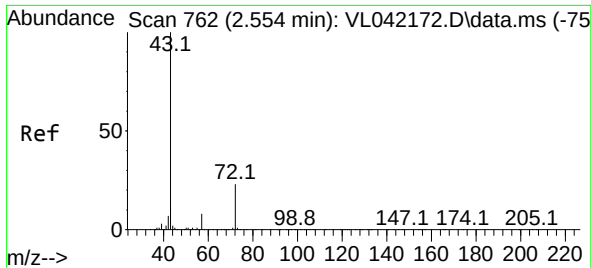


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.956 min Scan# 1195
Delta R.T. 0.003 min
Lab File: VL042292.D
Acq: 09 Apr 2025 14:36



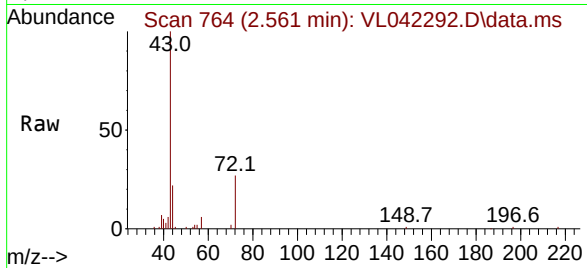
Tgt Ion:114 Resp: 383411
Ion Ratio Lower Upper
114 100
63 26.7 20.7 31.1
88 17.7 15.0 22.4





#34
2-Butanone
Concen: 0.354 ppbv
RT: 2.561 min Scan# 764
Delta R.T. 0.006 min
Lab File: VL042292.D
Acq: 09 Apr 2025 14:36

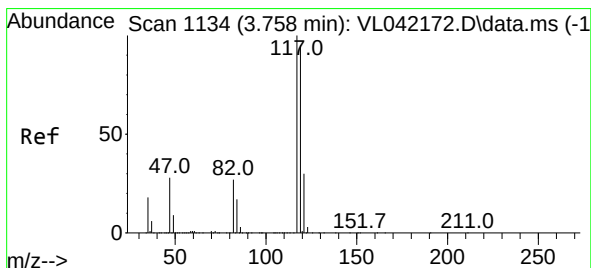
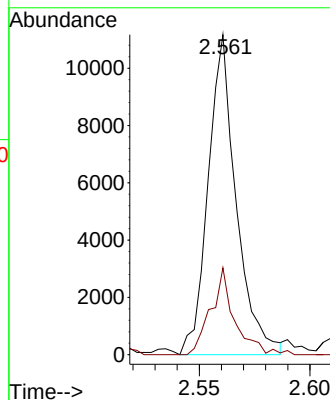
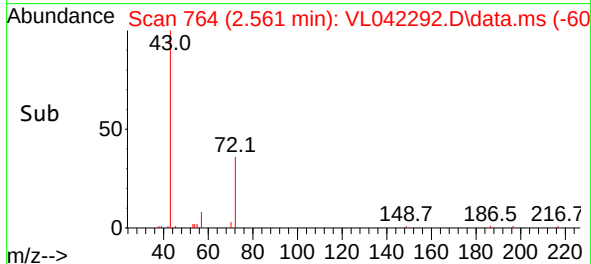
Instrument :
MSVOA_L
ClientSampleId :
AA-1-3242025



Tgt Ion: 43 Resp: 9840
Ion Ratio Lower Upper
43 100
72 23.2 18.2 27.2

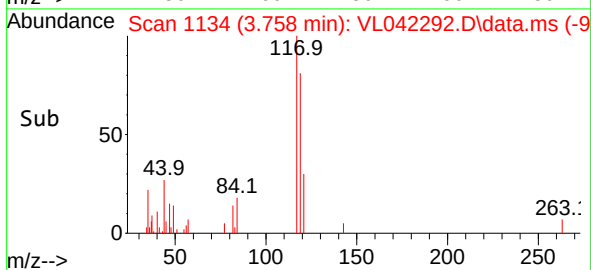
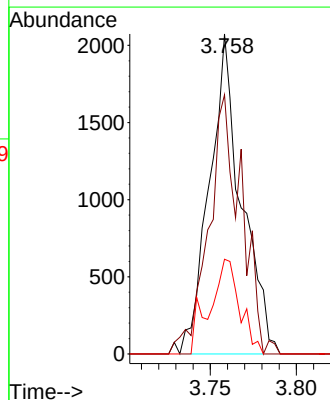
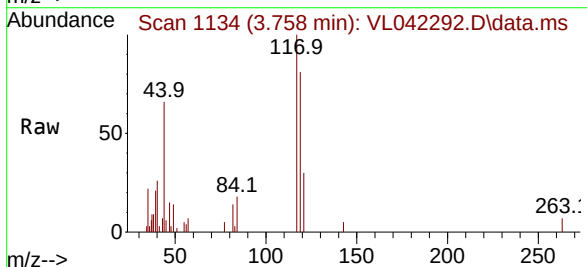
Manual Integrations
APPROVED

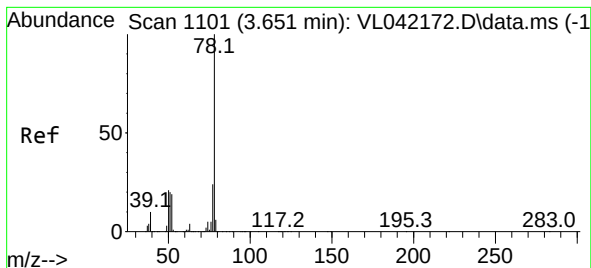
Reviewed By :Semsettin Yesilyurt 04/10/2025
Supervised By :Mahesh Dadoda 04/10/2025



#35
Carbon Tetrachloride
Concen: 0.090 ppbv
RT: 3.758 min Scan# 1134
Delta R.T. 0.000 min
Lab File: VL042292.D
Acq: 09 Apr 2025 14:36

Tgt Ion:117 Resp: 2688
Ion Ratio Lower Upper
117 100
119 81.0 76.2 114.2
121 29.6 24.2 36.4





#36

Benzene

Concen: 0.254 ppbv

RT: 3.651 min Scan# 1101

Delta R.T. 0.000 min

Lab File: VL042292.D

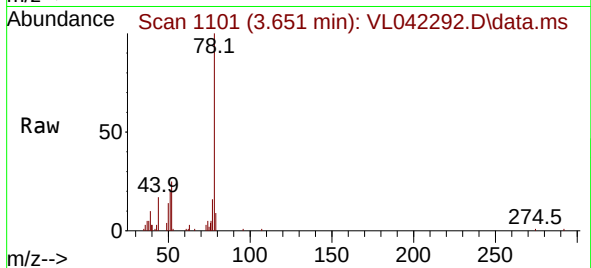
Acq: 09 Apr 2025 14:36

Instrument :

MSVOA_L

ClientSampleId :

AA-1-3242025



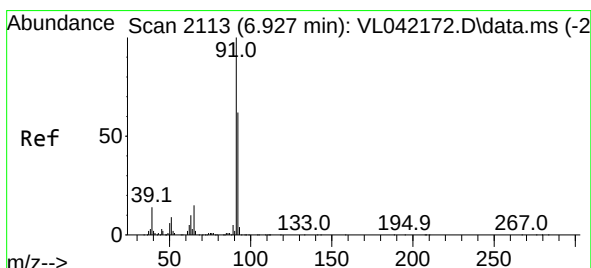
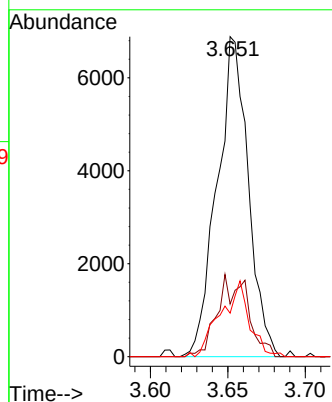
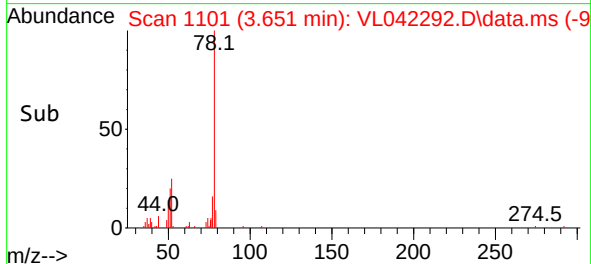
Tgt Ion: 78 Resp: 963

Ion	Ratio	Lower	Upper
78	100		
77	16.4	19.1	28.7
50	13.6	16.6	24.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/10/2025
Supervised By :Mahesh Dadoda 04/10/2025



#53

Toluene

Concen: 0.281 ppbv m

RT: 6.937 min Scan# 2116

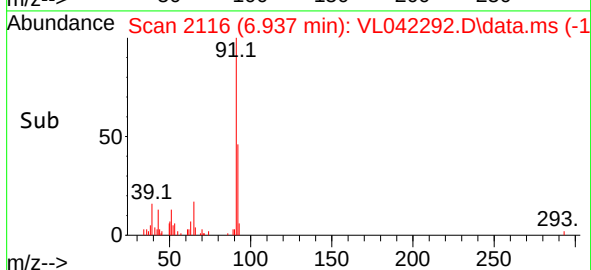
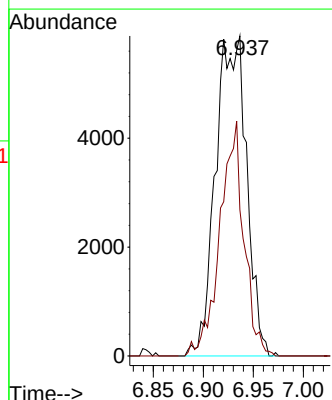
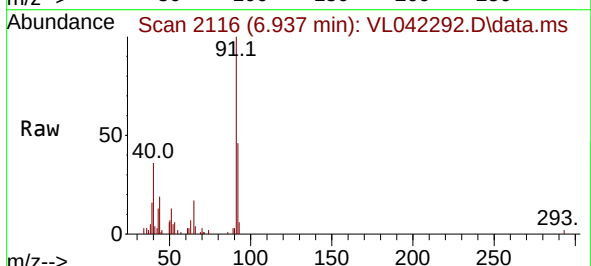
Delta R.T. 0.010 min

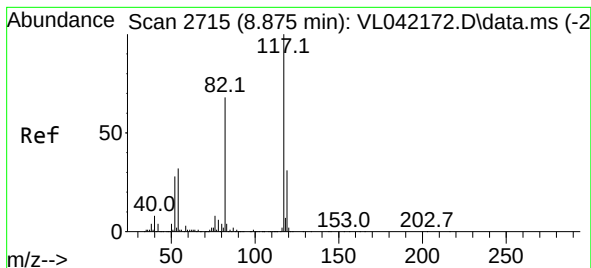
Lab File: VL042292.D

Acq: 09 Apr 2025 14:36

Tgt Ion: 91 Resp: 12644

Ion	Ratio	Lower	Upper
91	100		
92	56.7	48.4	72.6





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.879 min Scan# 2715

Delta R.T. 0.003 min

Lab File: VL042292.D

Acq: 09 Apr 2025 14:36

Instrument :

MSVOA_L

ClientSampleId :

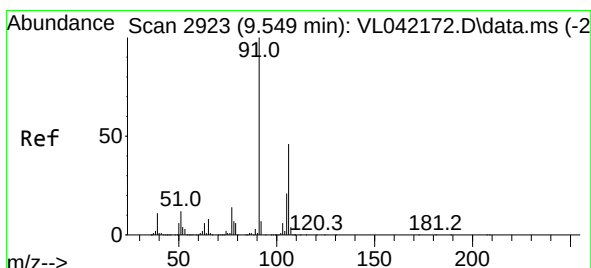
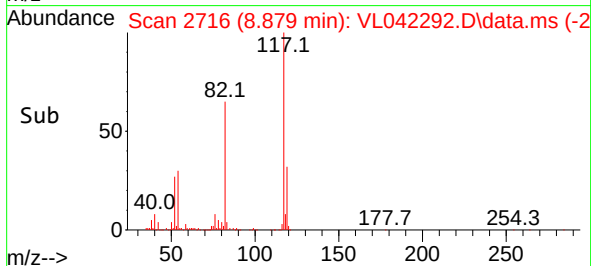
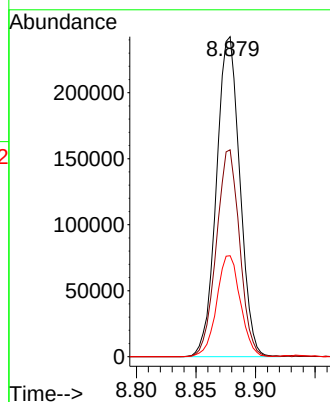
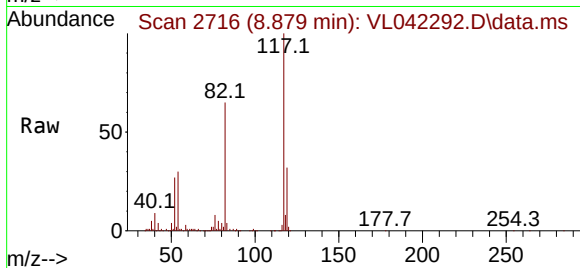
AA-1-3242025

Tgt Ion:	117	Resp:	33132
Ion	Ratio	Lower	Upper
117	100		
82	64.4	55.8	83.6
119	31.9	25.5	38.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/10/2025
Supervised By :Mahesh Dadoda 04/10/2025



#59

m/p-Xylene

Concen: 0.122 ppbv m

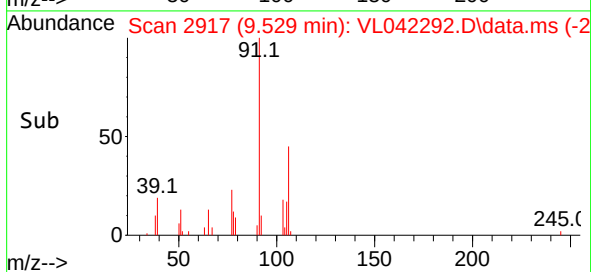
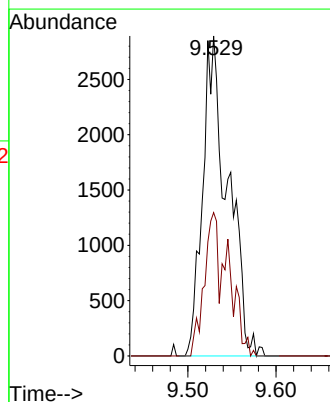
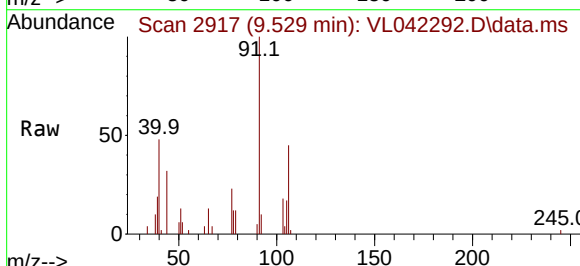
RT: 9.529 min Scan# 2917

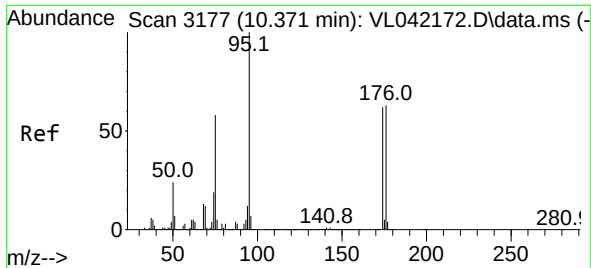
Delta R.T. -0.019 min

Lab File: VL042292.D

Acq: 09 Apr 2025 14:36

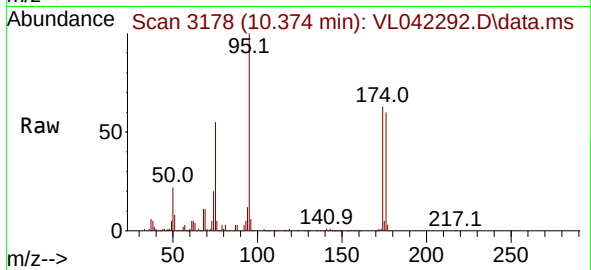
Tgt Ion:	91	Resp:	5742
Ion	Ratio	Lower	Upper
91	100		
106	0.0	36.4	54.6





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.225 ppbv
 RT: 10.374 min Scan# 3177
 Delta R.T. 0.003 min
 Lab File: VL042292.D
 Acq: 09 Apr 2025 14:36

Instrument :
 MSVOA_L
 ClientSampleId :
 AA-1-3242025



Tgt Ion: 95 Resp: 250999
 Ion Ratio Lower Upper
 95 100
 174 63.1 50.6 76.0
 175 4.8 3.8 5.6

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/10/2025
 Supervised By :Mahesh Dadoda 04/10/2025

