

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040925\
 Data File : VL042294.D
 Acq On : 09 Apr 2025 15:50
 Operator : SY/MD
 Sample : Q1665-08
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-DUP-2-3242025

Manual Integrations
 APPROVED

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

Quant Time: Apr 10 01:45:44 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	2.787	49	159184	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	384747	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.882	117	314874	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	236151	9.133	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	91.300%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.499	85	9013	0.383	ppbv	100
3) Chlorodifluoromethane	1.476	51	22919m	0.955	ppbv	
4) Chloromethane	1.534	50	10945	1.139	ppbv	99
9) Propene	1.489	41	26110m	2.372	ppbv	
11) Trichlorofluoromethane	1.877	101	5632	0.246	ppbv	99
13) Ethanol	1.722	45	35576	34.196	ppbv	82
15) Acetone	1.835	43	257522	11.567	ppbv	96
17) tert-Butyl alcohol	2.046	59	3101m	0.112	ppbv	
19) Isopropyl Alcohol	1.887	45	224606	17.881	ppbv #	33
20) Methylene Chloride	2.062	84	8683	1.047	ppbv #	84
26) Hexane	2.829	57	20910	0.937	ppbv #	31
29) Chloroform	2.848	83	10374	0.318	ppbv	96
34) 2-Butanone	2.560	43	91945	3.296	ppbv	97
35) Carbon Tetrachloride	3.764	117	3816m	0.127	ppbv	
36) Benzene	3.661	78	6378m	0.167	ppbv	
41) Tetrahydrofuran	3.069	42	3356m	0.209	ppbv	

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

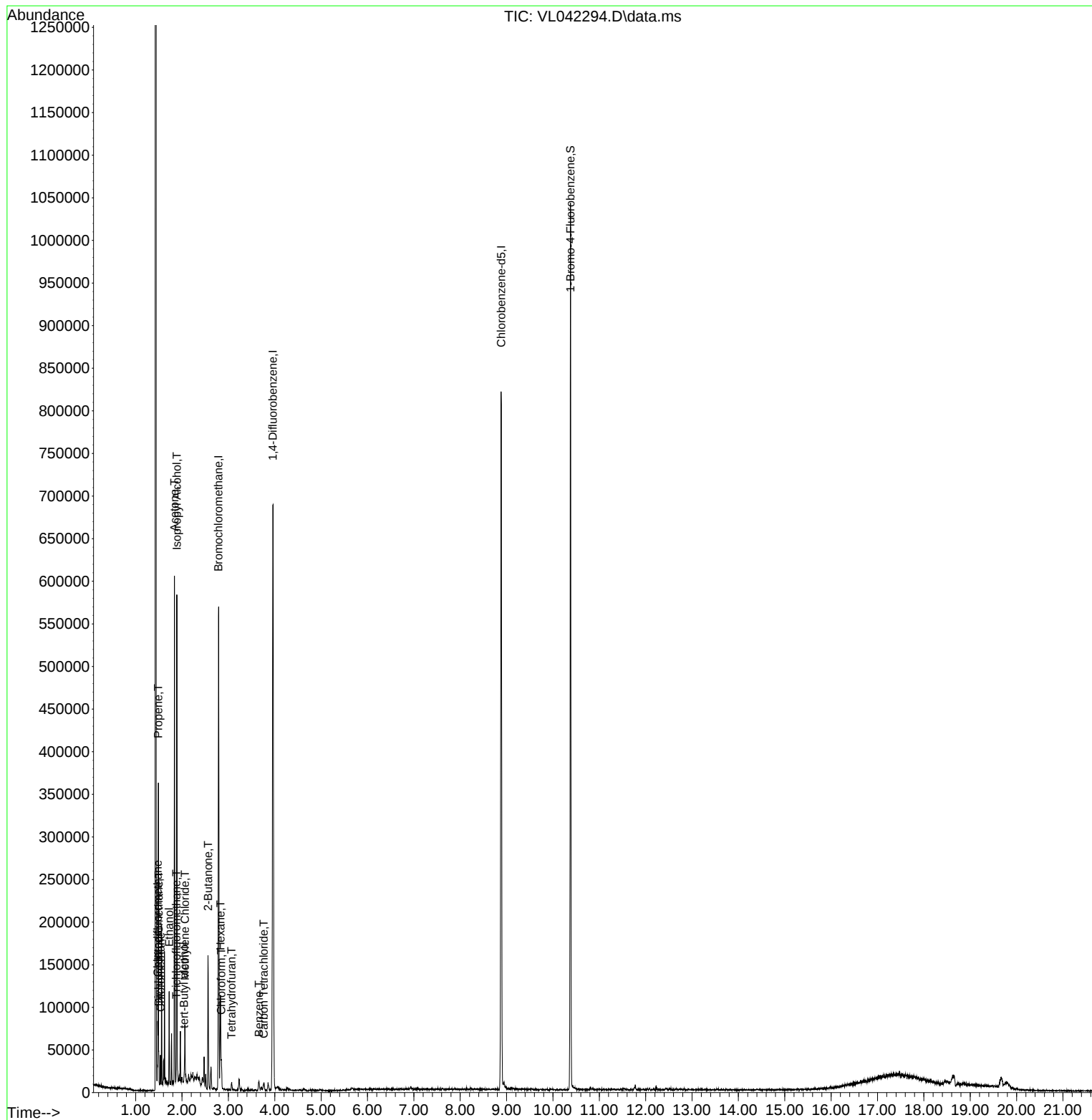
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040925\
Data File : VL042294.D
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IA-DUP-2-3242025

Quant Time: Apr 10 01:45:44 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
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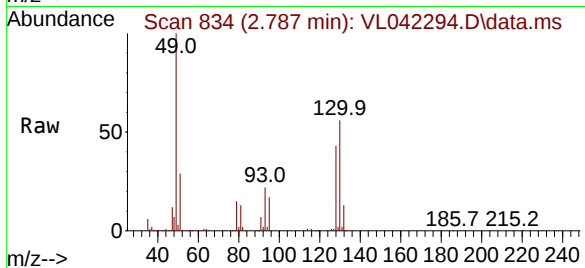
Reviewed By :Semsettin Yesilyurt 04/10/2025
Supervised By :Mahesh Dadoda 04/10/2025





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL042294.D
Acq: 09 Apr 2025 15:50

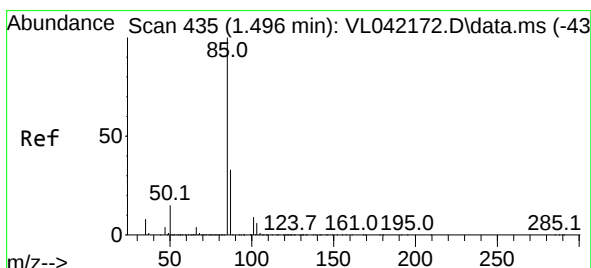
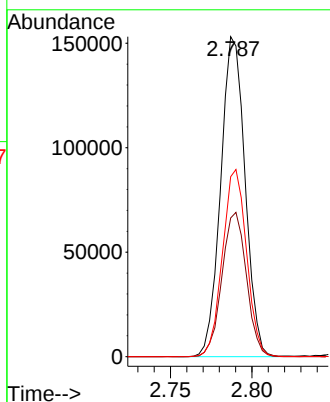
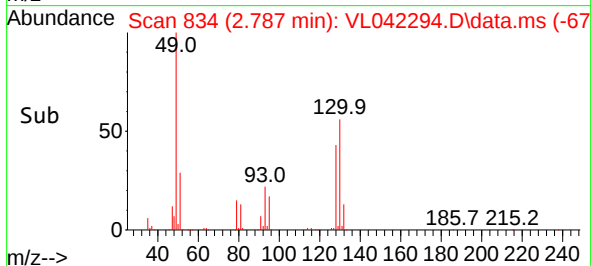
Instrument :
MSVOA_L
ClientSampleId :
IA-DUP-2-3242025



Tgt Ion: 49 Resp: 159184
Ion Ratio Lower Upper
49 100
128 45.2 22.9 68.5
130 57.8 28.8 86.4

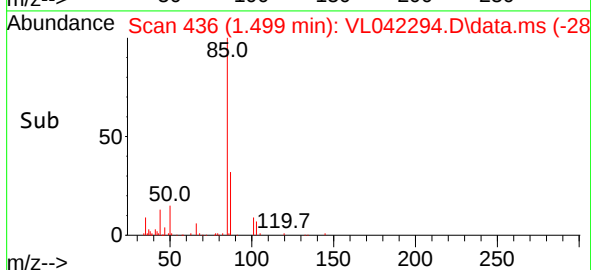
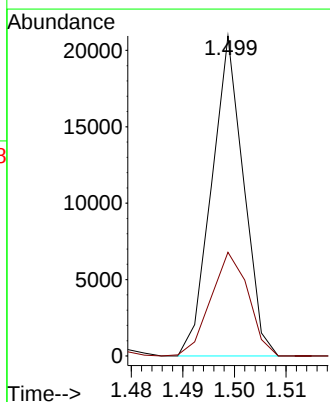
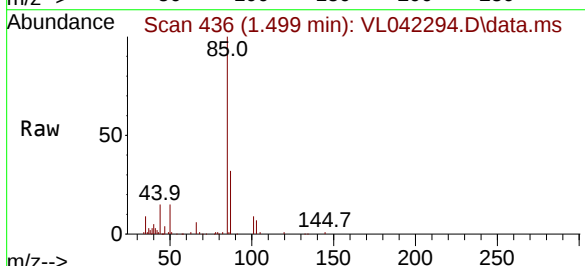
Manual Integrations
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Reviewed By :Semsettin Yesilyurt 04/10/2025
Supervised By :Mahesh Dadoda 04/10/2025



#2
Dichlorodifluoromethane
Concen: 0.383 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.003 min
Lab File: VL042294.D
Acq: 09 Apr 2025 15:50

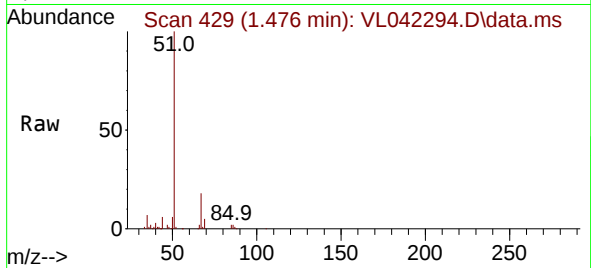
Tgt Ion: 85 Resp: 9013
Ion Ratio Lower Upper
85 100
87 32.4 26.1 39.1





#3
Chlorodifluoromethane
Concen: 0.955 ppbv m
RT: 1.476 min Scan# 428
Delta R.T. 0.003 min
Lab File: VL042294.D
Acq: 09 Apr 2025 15:50

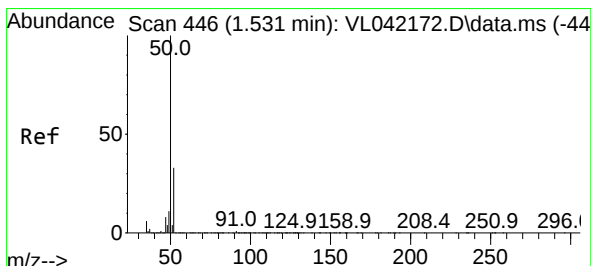
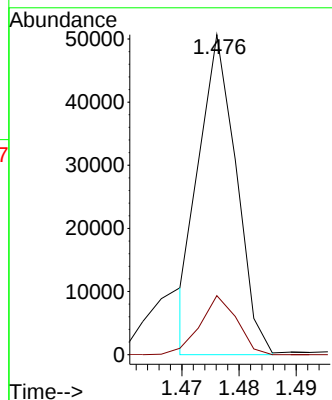
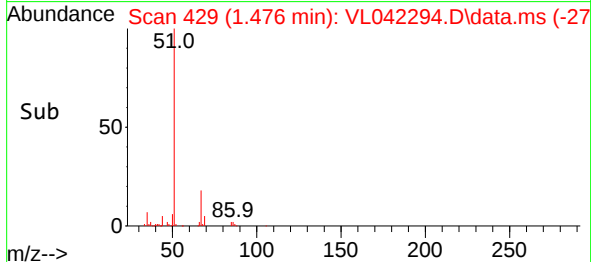
Instrument :
MSVOA_L
ClientSampleId :
IA-DUP-2-3242025



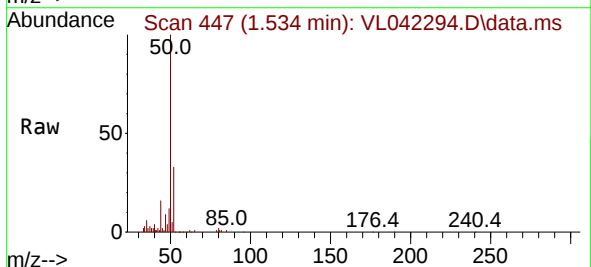
Tgt Ion: 51 Resp: 22919
Ion Ratio Lower Upper
51 100
67 18.4 15.0 22.6

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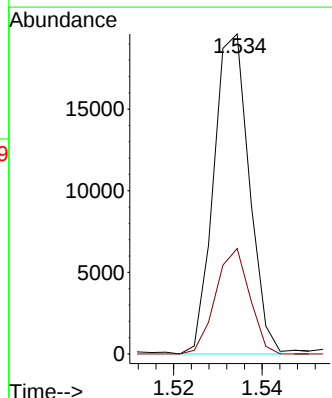
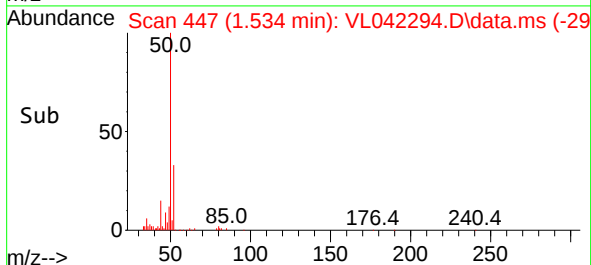
Reviewed By :Semsettin Yesilyurt 04/10/2025
Supervised By :Mahesh Dadoda 04/10/2025

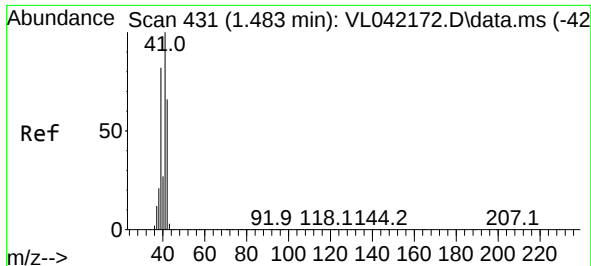


#4
Chloromethane
Concen: 1.139 ppbv
RT: 1.534 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL042294.D
Acq: 09 Apr 2025 15:50



Tgt Ion: 50 Resp: 10945
Ion Ratio Lower Upper
50 100
52 32.9 26.1 39.1





#9

Propene

Concen: 2.372 ppbv m

RT: 1.489 min Scan# 41

Delta R.T. 0.006 min

Lab File: VL042294.D

Acq: 09 Apr 2025 15:50

Instrument :

MSVOA_L

ClientSampleId :

IA-DUP-2-3242025

Tgt Ion: 41 Resp: 26110

Ion Ratio Lower Upper

41 100

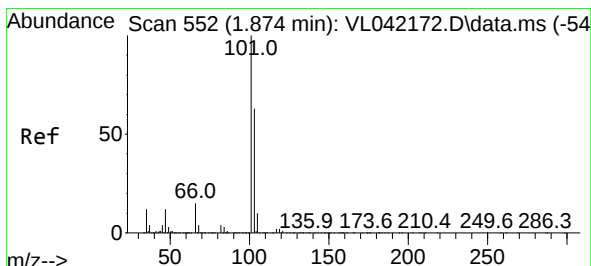
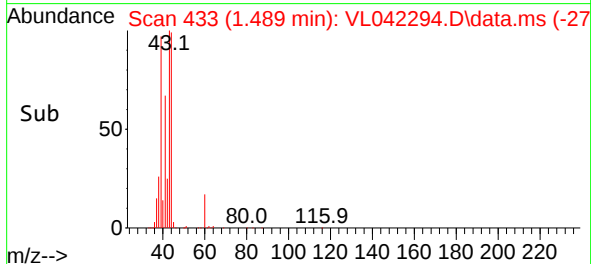
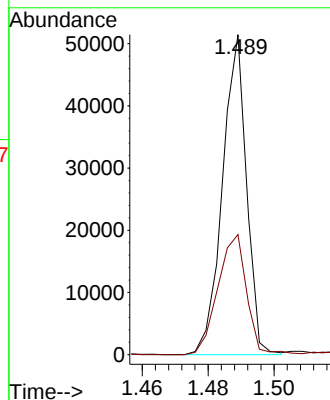
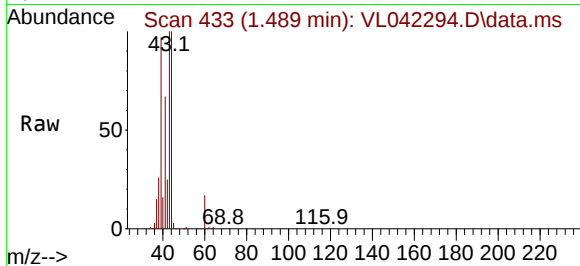
42 55.8 55.4 83.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/10/2025

Supervised By :Mahesh Dadoda 04/10/2025



#11

Trichlorofluoromethane

Concen: 0.246 ppbv

RT: 1.877 min Scan# 553

Delta R.T. 0.003 min

Lab File: VL042294.D

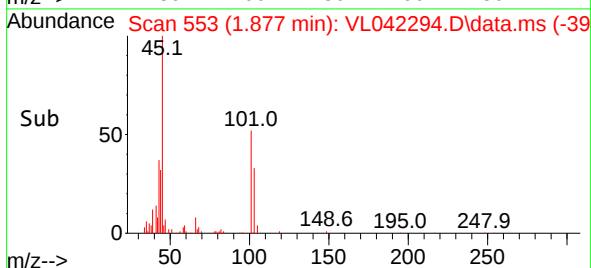
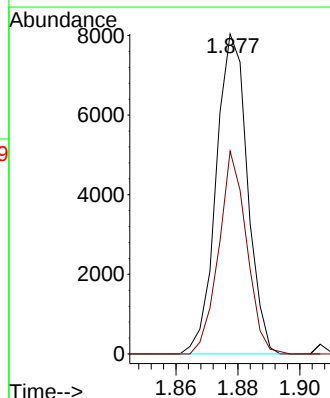
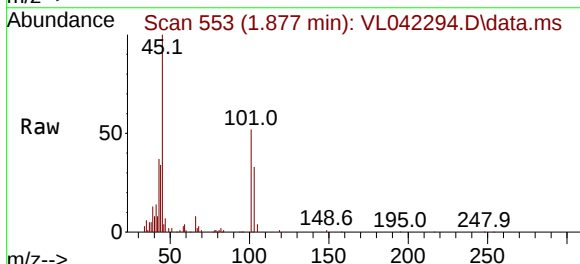
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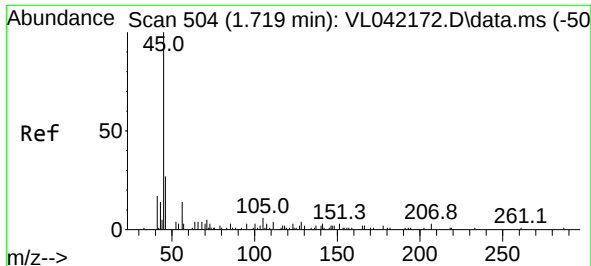
Tgt Ion:101 Resp: 5632

Ion Ratio Lower Upper

101 100

103 63.4 50.2 75.2





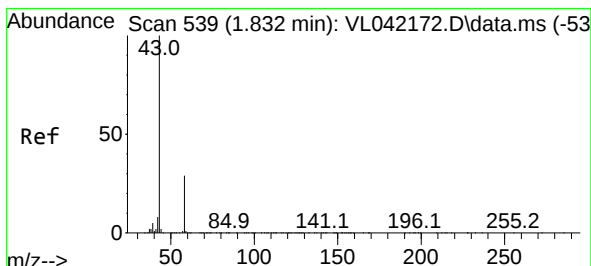
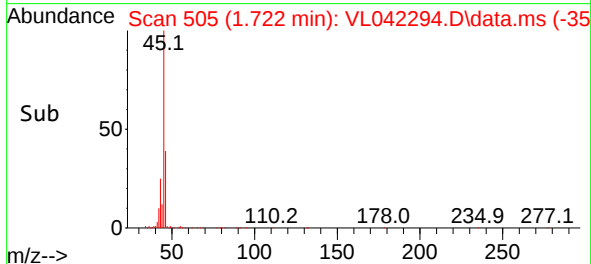
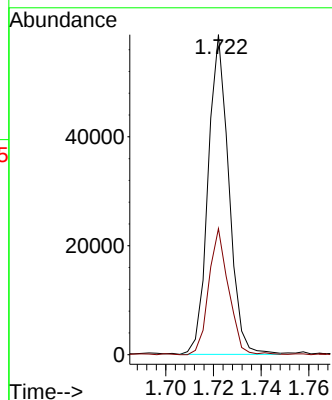
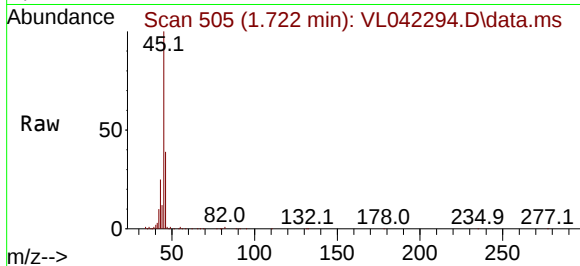
#13
Ethanol
Concen: 34.196 ppbv
RT: 1.722 min Scan# 504
Delta R.T. 0.003 min
Lab File: VL042294.D
Acq: 09 Apr 2025 15:50

Instrument :
MSVOA_L
ClientSampleId :
IA-DUP-2-3242025

Tgt Ion: 45 Resp: 35570
Ion Ratio Lower Upper
45 100
46 38.1 20.2 80.8

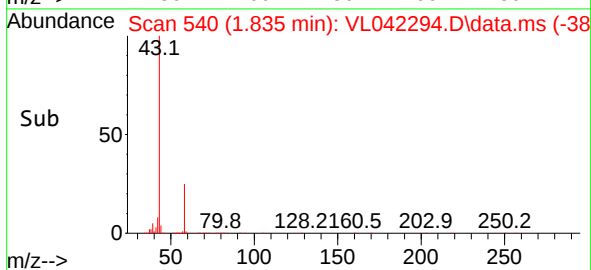
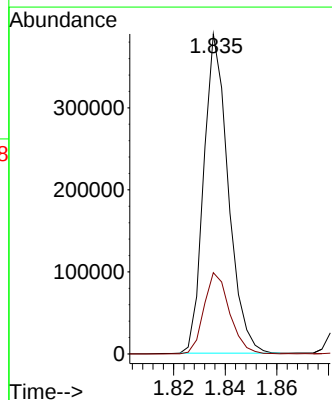
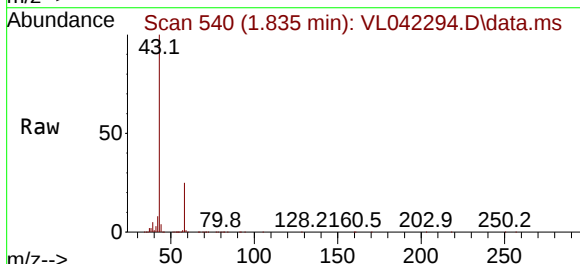
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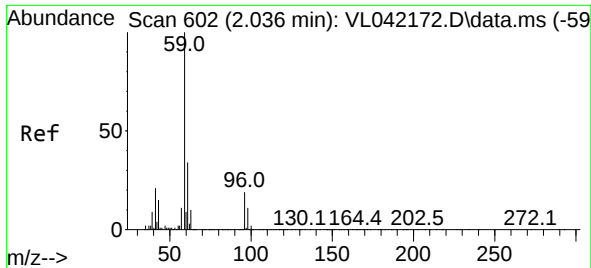
Reviewed By :Semsettin Yesilyurt 04/10/2025
Supervised By :Mahesh Dadoda 04/10/2025



#15
Acetone
Concen: 11.567 ppbv
RT: 1.835 min Scan# 540
Delta R.T. 0.003 min
Lab File: VL042294.D
Acq: 09 Apr 2025 15:50

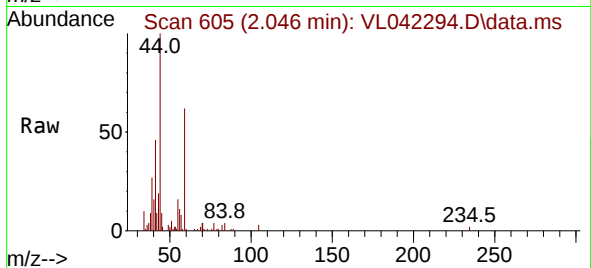
Tgt Ion: 43 Resp: 257522
Ion Ratio Lower Upper
43 100
58 26.6 23.2 34.8





#17
tert-Butyl alcohol
Concen: 0.112 ppbv m
RT: 2.046 min Scan# 602
Delta R.T. 0.009 min
Lab File: VL042294.D
Acq: 09 Apr 2025 15:50

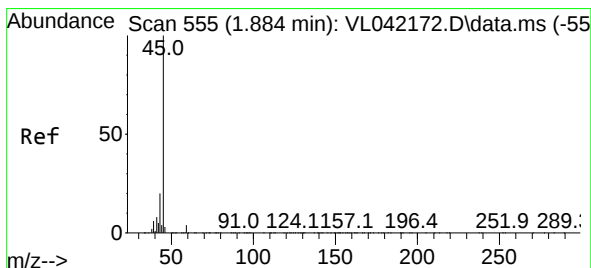
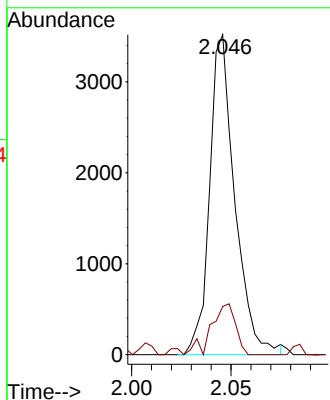
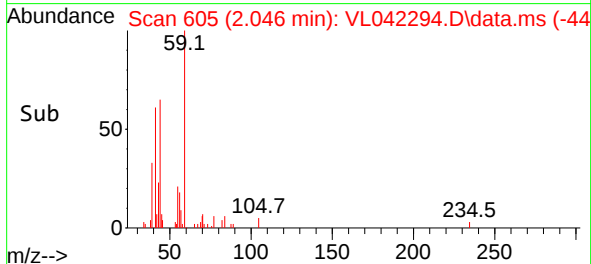
Instrument :
MSVOA_L
ClientSampleId :
IA-DUP-2-3242025



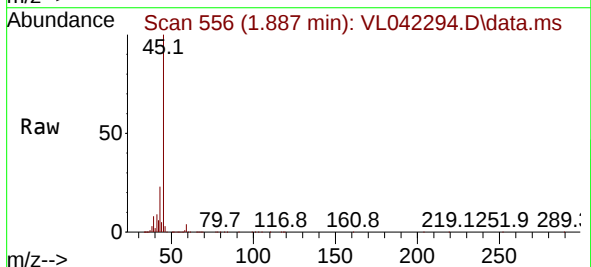
Tgt Ion: 59 Resp: 310
Ion Ratio Lower Upper
59 100
57 34.5 8.9 13.3

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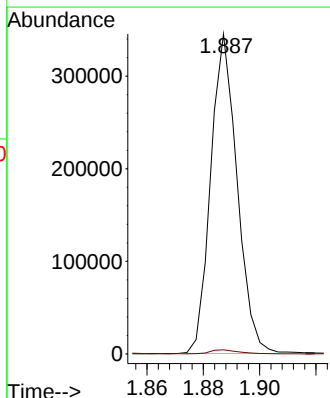
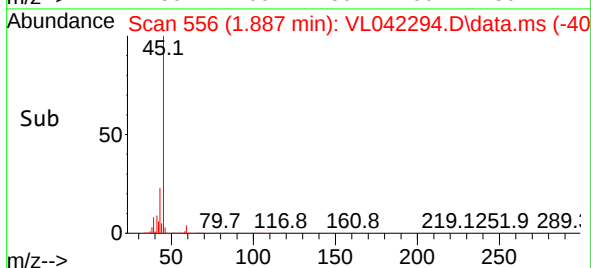
Reviewed By :Semsettin Yesilyurt 04/10/2025
Supervised By :Mahesh Dadoda 04/10/2025

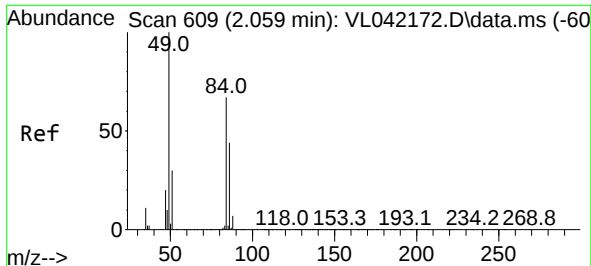


#19
Isopropyl Alcohol
Concen: 17.881 ppbv
RT: 1.887 min Scan# 556
Delta R.T. 0.003 min
Lab File: VL042294.D
Acq: 09 Apr 2025 15:50



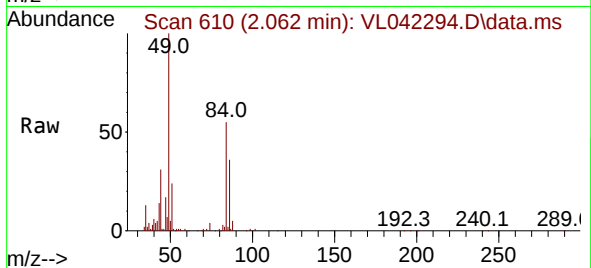
Tgt Ion: 45 Resp: 224606
Ion Ratio Lower Upper
45 100
58 1.5 36.9 55.3





#20
Methylene Chloride
Concen: 1.047 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.003 min
Lab File: VL042294.D
Acq: 09 Apr 2025 15:50

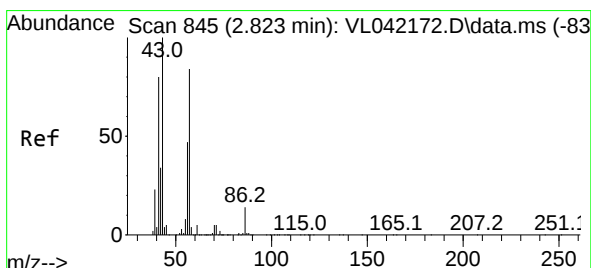
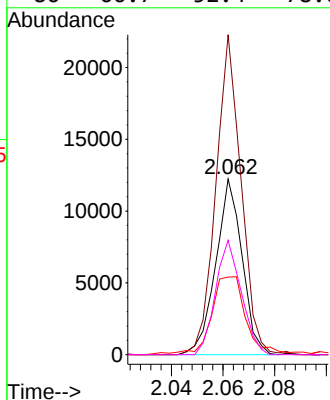
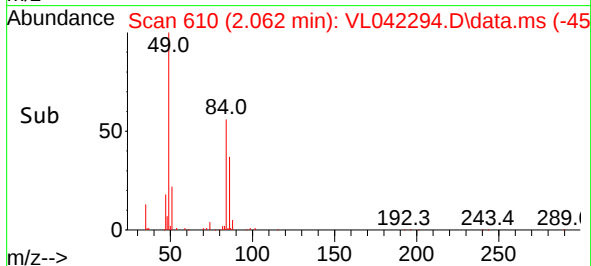
Instrument :
MSVOA_L
ClientSampleId :
IA-DUP-2-3242025



Tgt Ion:	84	Resp:	868
Ion	Ratio	Lower	Upper
84	100		
49	182.2	120.2	180.4
51	43.8	37.4	56.0
86	66.7	52.4	78.6

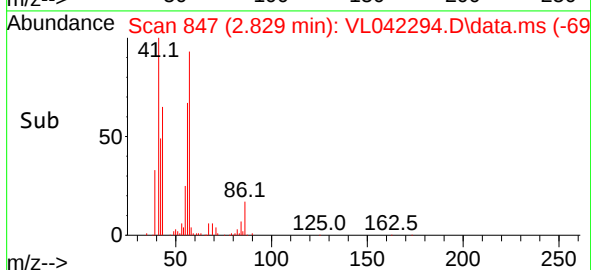
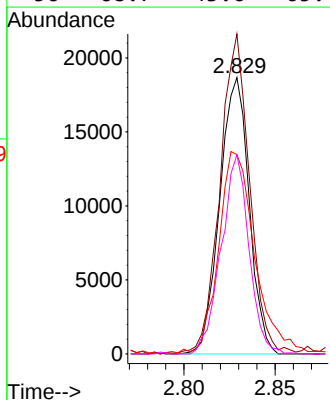
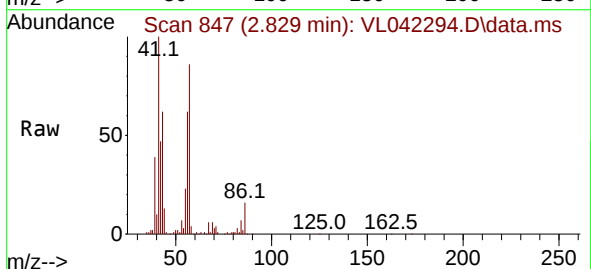
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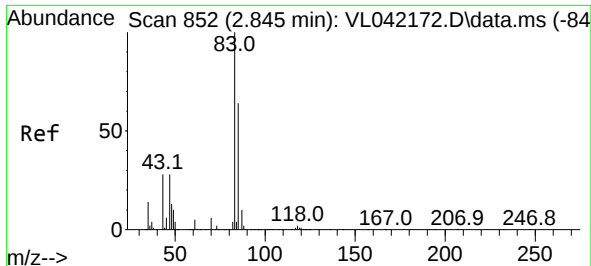
Reviewed By :Semsettin Yesilyurt 04/10/2025
Supervised By :Mahesh Dadoda 04/10/2025



#26
Hexane
Concen: 0.937 ppbv
RT: 2.829 min Scan# 847
Delta R.T. 0.006 min
Lab File: VL042294.D
Acq: 09 Apr 2025 15:50

Tgt Ion:	57	Resp:	20910
Ion	Ratio	Lower	Upper
57	100		
41	120.6	76.6	114.8
43	88.4	207.8	311.8
56	68.7	43.6	65.4





#29

Chloroform

Concen: 0.318 ppbv

RT: 2.848 min Scan# 852

Delta R.T. 0.003 min

Lab File: VL042294.D

Acq: 09 Apr 2025 15:50

Instrument :

MSVOA_L

ClientSampleId :

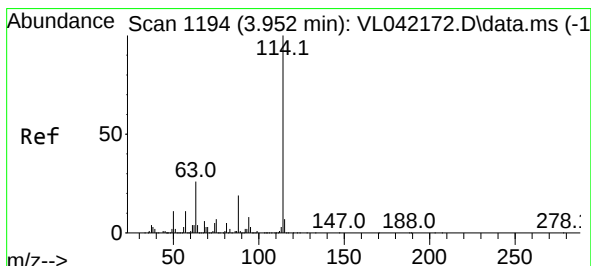
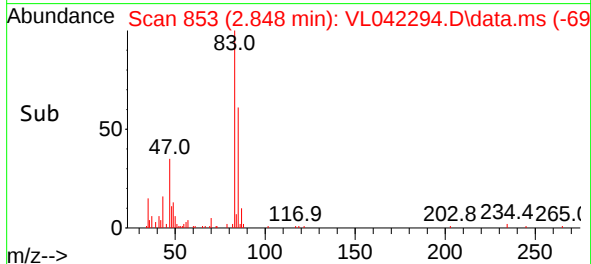
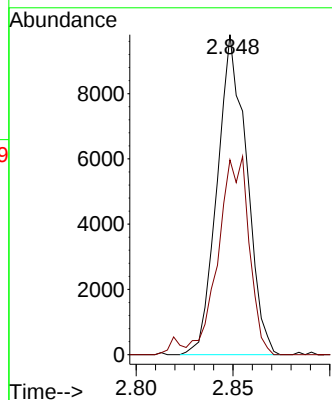
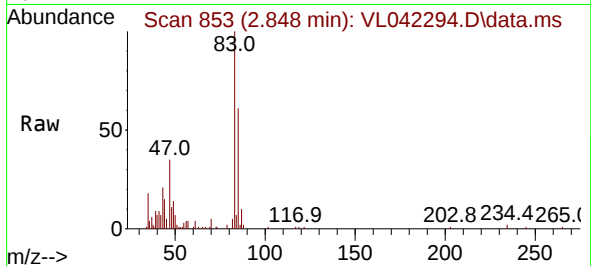
IA-DUP-2-3242025

Tgt Ion: 83 Resp: 10374
 Ion Ratio Lower Upper
 83 100
 85 60.8 51.4 77.2

Manual Integrations

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 Supervised By :Mahesh Dadoda 04/10/2025



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

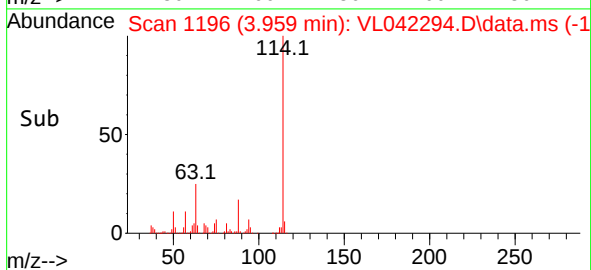
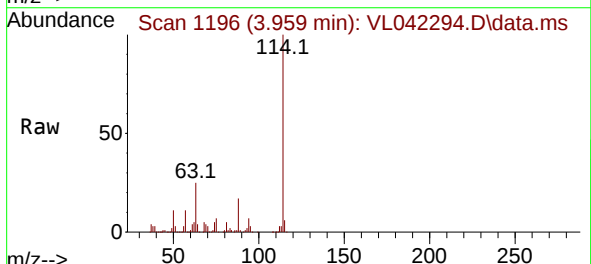
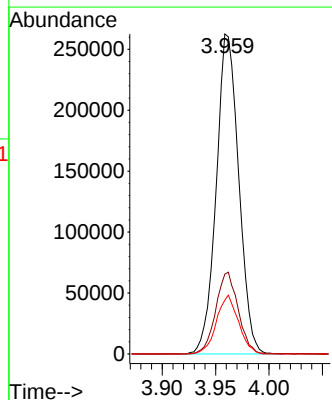
RT: 3.959 min Scan# 1196

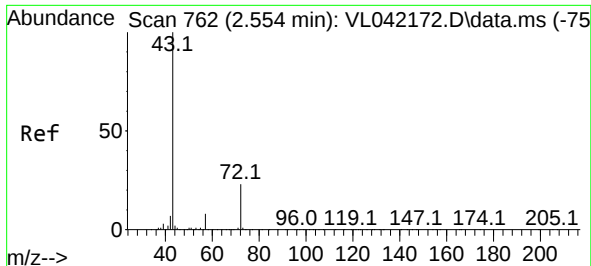
Delta R.T. 0.006 min

Lab File: VL042294.D

Acq: 09 Apr 2025 15:50

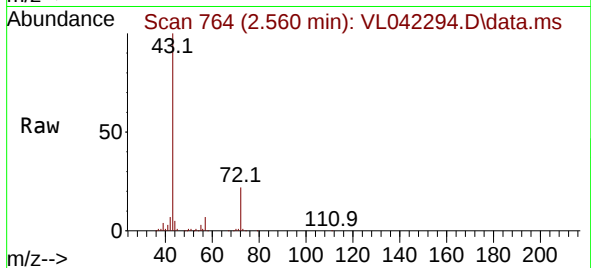
Tgt Ion:114 Resp: 384747
 Ion Ratio Lower Upper
 114 100
 63 25.5 20.7 31.1
 88 18.0 15.0 22.4





#34
2-Butanone
Concen: 3.296 ppbv
RT: 2.560 min Scan# 764
Delta R.T. 0.006 min
Lab File: VL042294.D
Acq: 09 Apr 2025 15:50

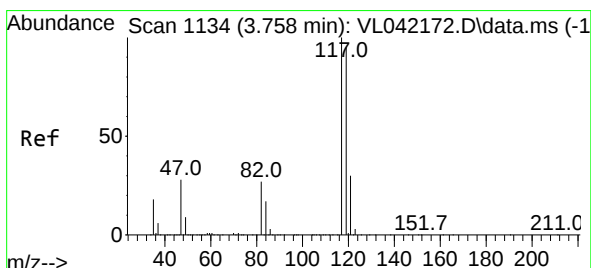
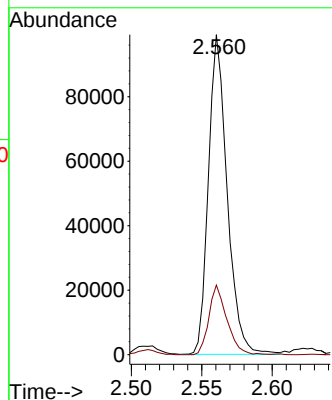
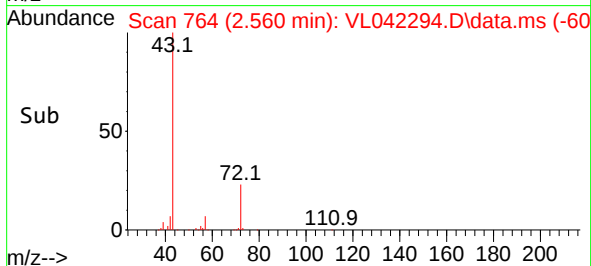
Instrument :
MSVOA_L
ClientSampleId :
IA-DUP-2-3242025



Tgt Ion: 43 Resp: 9194
Ion Ratio Lower Upper
43 100
72 21.0 18.2 27.2

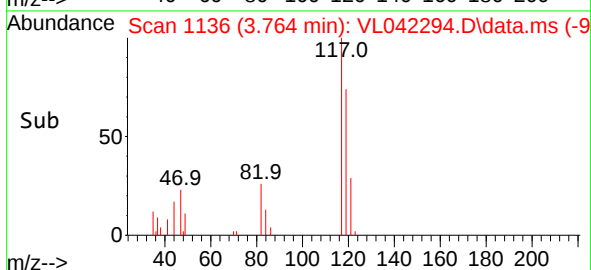
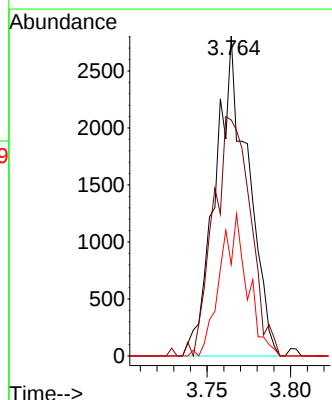
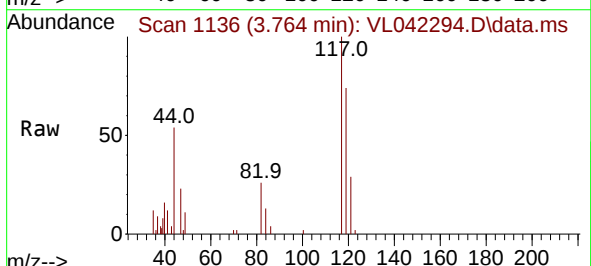
Manual Integrations
APPROVED

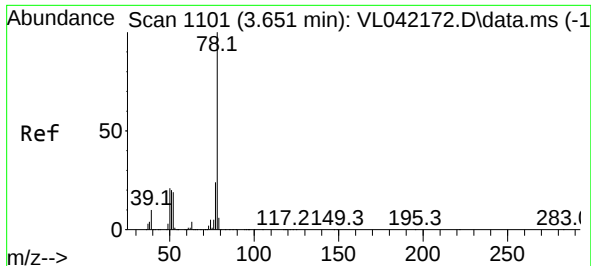
Reviewed By :Semsettin Yesilyurt 04/10/2025
Supervised By :Mahesh Dadoda 04/10/2025



#35
Carbon Tetrachloride
Concen: 0.127 ppbv m
RT: 3.764 min Scan# 1136
Delta R.T. 0.006 min
Lab File: VL042294.D
Acq: 09 Apr 2025 15:50

Tgt Ion:117 Resp: 3816
Ion Ratio Lower Upper
117 100
119 73.7 76.2 114.2#
121 28.6 24.2 36.4





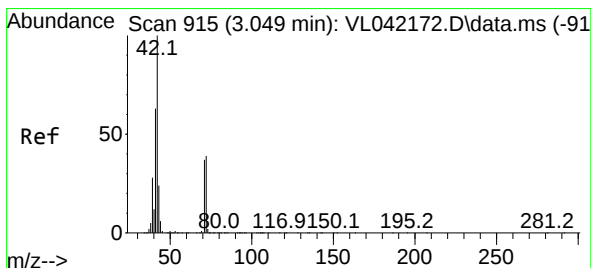
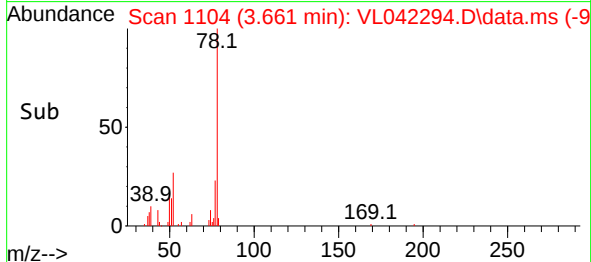
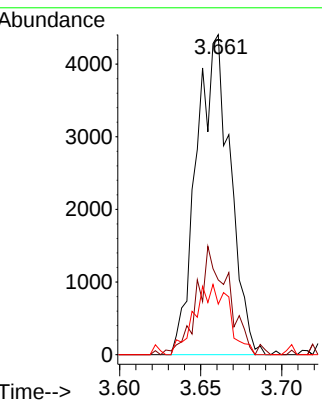
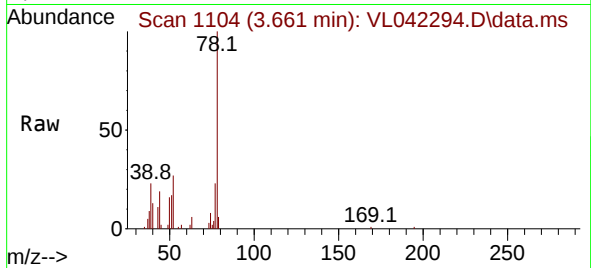
#36
Benzene
Concen: 0.167 ppbv m
RT: 3.661 min Scan# 1101
Delta R.T. 0.009 min
Lab File: VL042294.D
Acq: 09 Apr 2025 15:50

Instrument :
MSVOA_L
ClientSampleId :
IA-DUP-2-3242025

Tgt Ion: 78 Resp: 6378
Ion Ratio Lower Upper
78 100
77 23.3 19.1 28.7
50 15.8 16.6 24.8

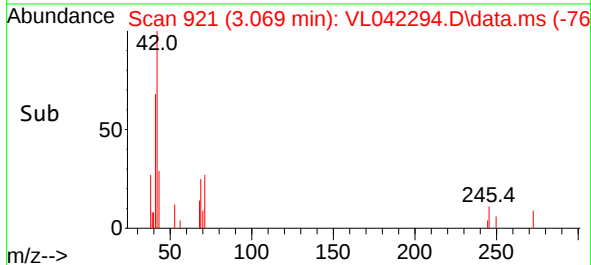
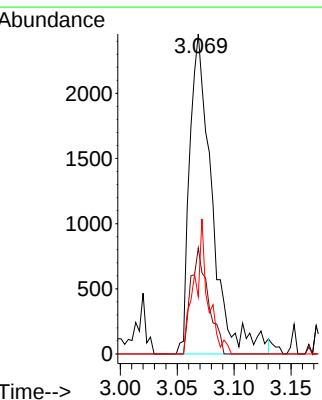
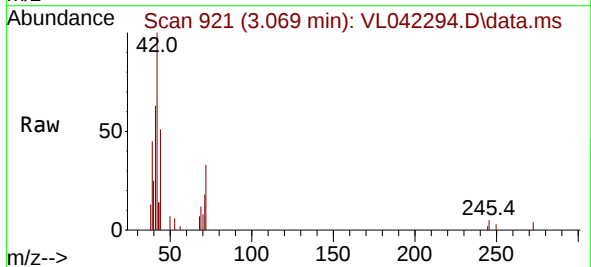
Manual Integrations
APPROVED

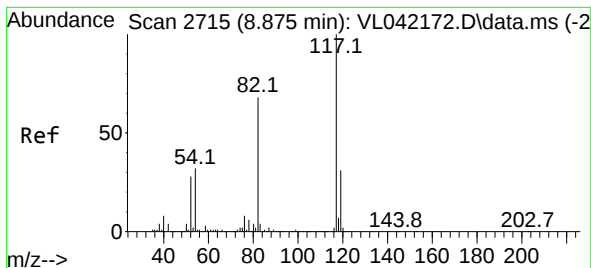
Reviewed By :Semsettin Yesilyurt 04/10/2025
Supervised By :Mahesh Dadoda 04/10/2025



#41
Tetrahydrofuran
Concen: 0.209 ppbv m
RT: 3.069 min Scan# 921
Delta R.T. 0.019 min
Lab File: VL042294.D
Acq: 09 Apr 2025 15:50

Tgt Ion: 42 Resp: 3356
Ion Ratio Lower Upper
42 100
72 0.0 31.4 47.0#
71 0.0 30.2 45.4#





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.882 min Scan# 21

Delta R.T. 0.006 min

Lab File: VL042294.D

Acq: 09 Apr 2025 15:50

Instrument :

MSVOA_L

ClientSampleId :

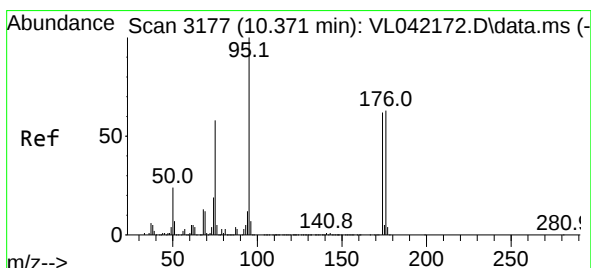
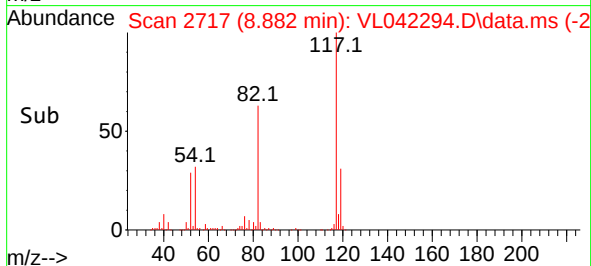
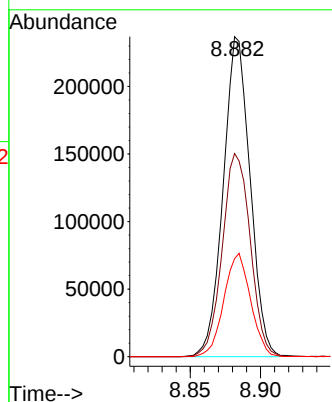
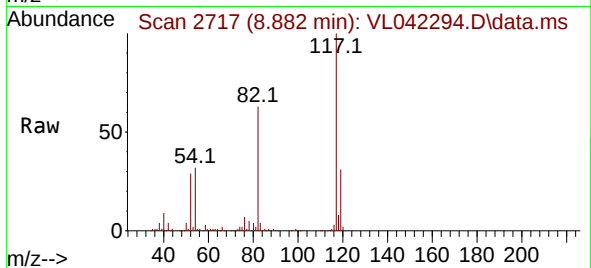
IA-DUP-2-3242025

Tgt Ion:	117	Resp:	314874
Ion	Ratio	Lower	Upper
117	100		
82	66.2	55.8	83.6
119	32.2	25.5	38.3

Manual Integrations

APPROVED

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



#68

1-Bromo-4-Fluorobenzene

Concen: 9.133 ppbv

RT: 10.377 min Scan# 3179

Delta R.T. 0.006 min

Lab File: VL042294.D

Acq: 09 Apr 2025 15:50

Tgt Ion:	95	Resp:	236151
Ion	Ratio	Lower	Upper
95	100		
174	63.3	50.6	76.0
175	4.7	3.8	5.6

