

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL030325\
 Data File : VL042079.D
 Acq On : 03 Mar 2025 16:23
 Operator : SY/MD
 Sample : Q1430-03 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV3

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 03/04/2025
 Supervised By :Mahesh Dadoda 03/05/2025

Quant Time: Mar 04 00:19:09 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Wed Feb 26 01:08:36 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.787	49	161283	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	3.959	114	360438	10.000	ppbv	-0.02
55) Chlorobenzene-d5	8.878	117	301876	10.000	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	230887	9.941	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.499	85	2670	0.159	ppbv	94
9) Propene	1.483	41	4602	0.482	ppbv	99
13) Ethanol	1.722	45	2409m	3.974	ppbv	
15) Acetone	1.836	43	28261	1.984	ppbv #	66
17) tert-Butyl alcohol	2.043	59	5467	0.307	ppbv #	87
19) Isopropyl Alcohol	1.887	45	3291	0.402	ppbv #	1
20) Methylene Chloride	2.062	84	1402	0.260	ppbv	95
34) 2-Butanone	2.557	43	101561	3.617	ppbv	95
51) 2-Hexanone	7.441	43	9897m	0.396	ppbv	
52) Tetrachloroethene	8.225	164	6663	0.516	ppbv #	87
53) Toluene	6.930	91	12131	0.288	ppbv	96

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

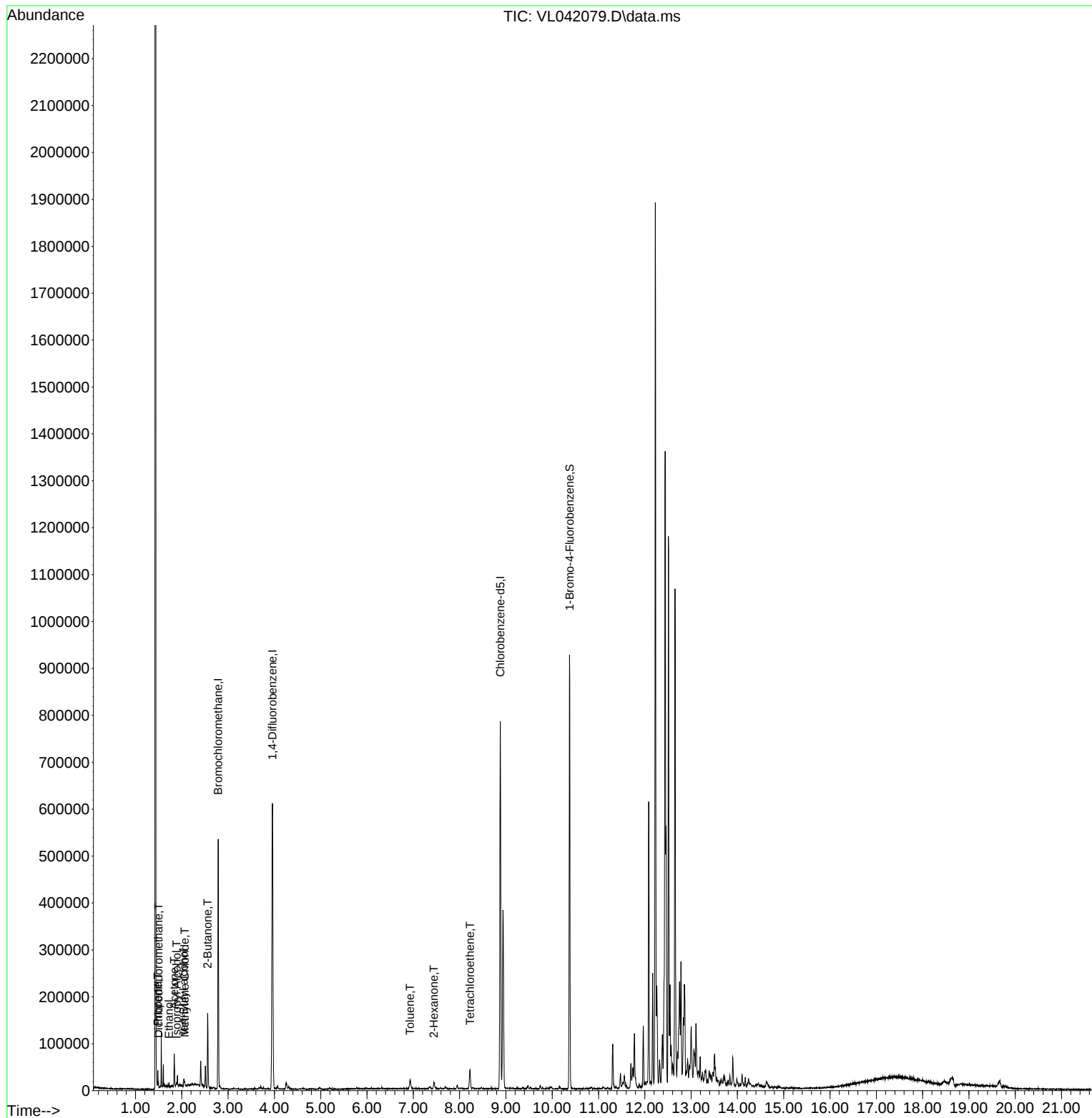
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL030325\
Data File : VL042079.D
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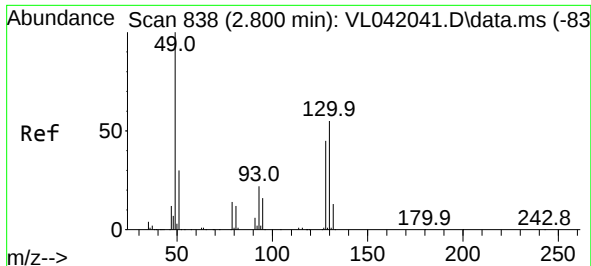
Instrument :
MSVOA_L
ClientSampleId :
SV3

Quant Time: Mar 04 00:19:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Wed Feb 26 01:08:36 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

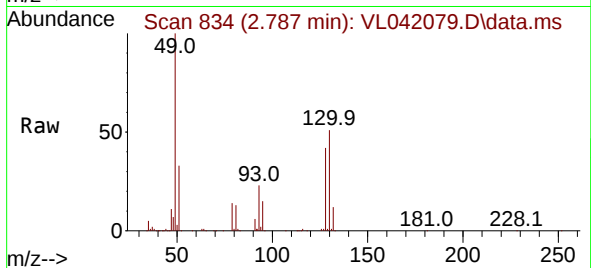
Reviewed By :Semsettin Yesilyurt 03/04/2025
Supervised By :Mahesh Dadoda 03/05/2025





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 81
Delta R.T. -0.013 min
Lab File: VL042079.D
Acq: 03 Mar 2025 16:23

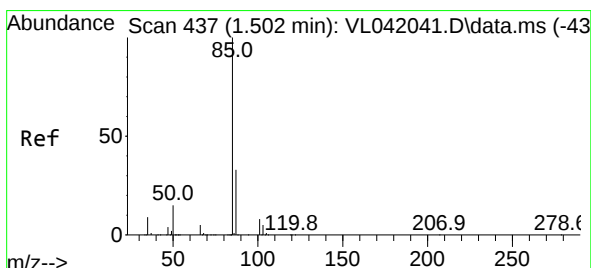
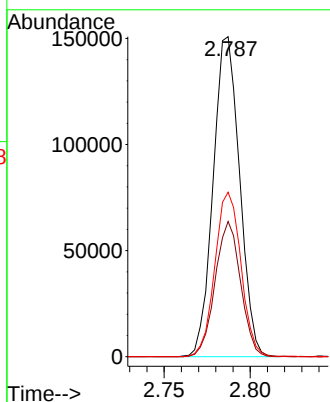
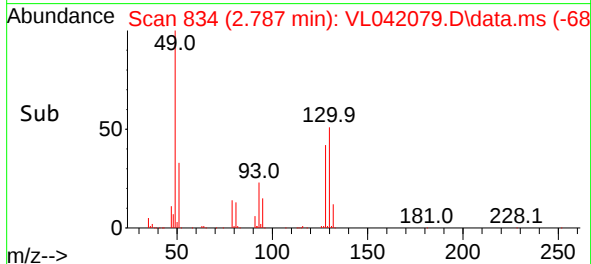
Instrument :
MSVOA_L
ClientSampleId :
SV3



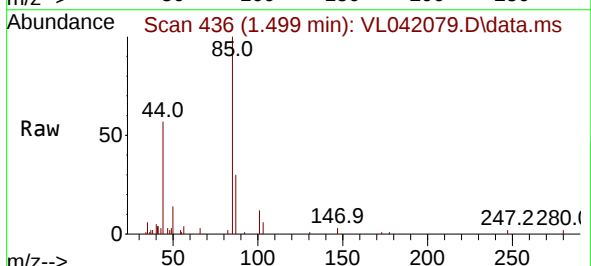
Tgt Ion: 49 Resp: 16128
Ion Ratio Lower Upper
49 100
128 40.6 21.6 64.8
130 50.8 27.8 83.4

Manual Integrations
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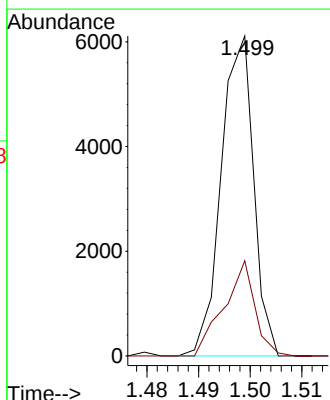
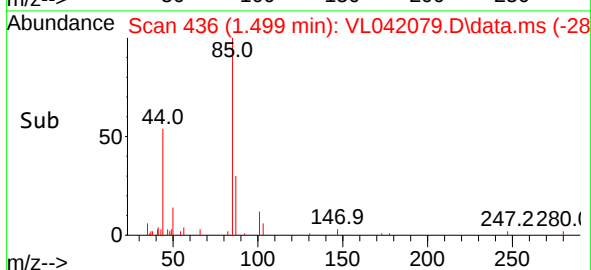
Reviewed By :Semsettin Yesilyurt 03/04/2025
Supervised By :Mahesh Dadoda 03/05/2025

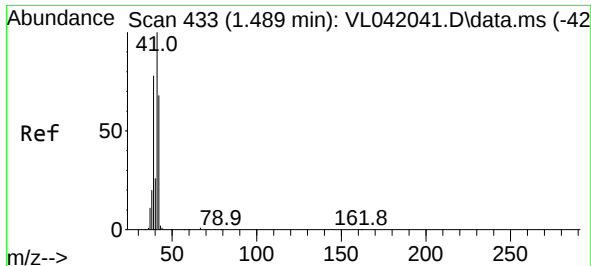


#2
Dichlorodifluoromethane
Concen: 0.159 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.003 min
Lab File: VL042079.D
Acq: 03 Mar 2025 16:23



Tgt Ion: 85 Resp: 2670
Ion Ratio Lower Upper
85 100
87 29.8 26.4 39.6





#9

Propene

Concen: 0.482 ppbv

RT: 1.483 min Scan# 41

Delta R.T. -0.006 min

Lab File: VL042079.D

Acq: 03 Mar 2025 16:23

Instrument :

MSVOA_L

ClientSampleId :

SV3

Tgt Ion: 41 Resp: 460

Ion Ratio Lower Upper

41 100

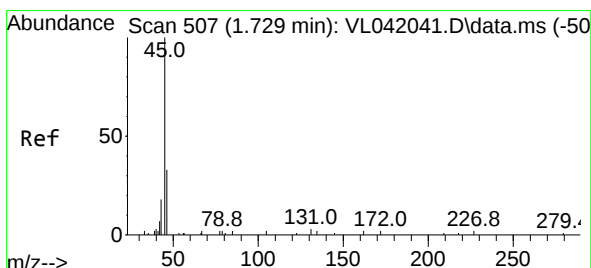
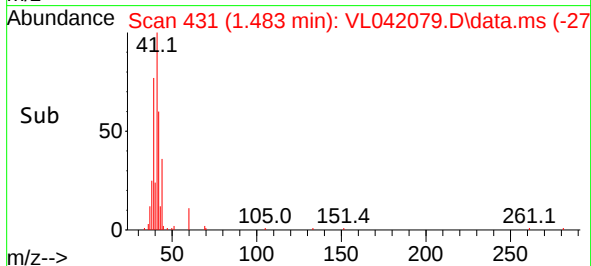
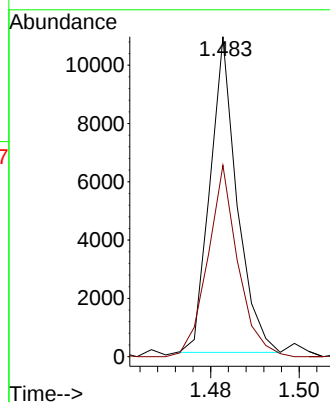
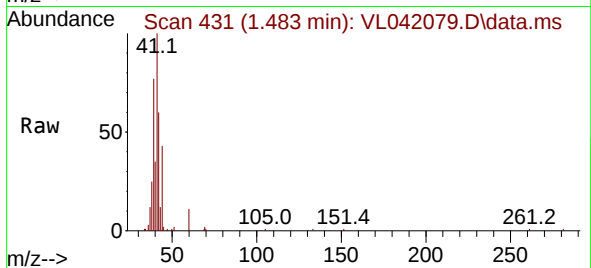
42 68.7 55.8 83.6

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/04/2025

Supervised By :Mahesh Dadoda 03/05/2025



#13

Ethanol

Concen: 3.974 ppbv m

RT: 1.722 min Scan# 505

Delta R.T. -0.006 min

Lab File: VL042079.D

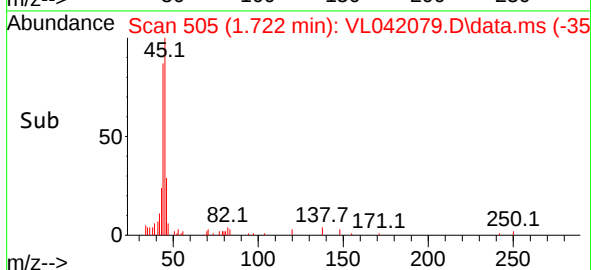
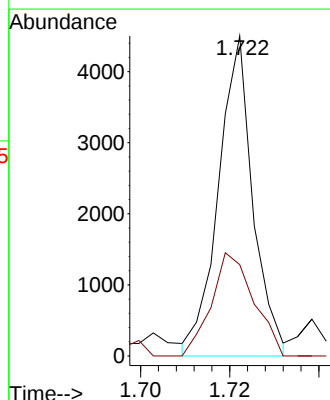
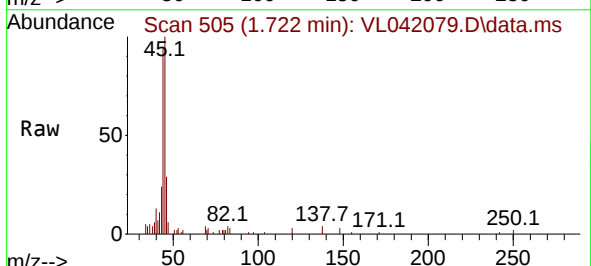
Acq: 03 Mar 2025 16:23

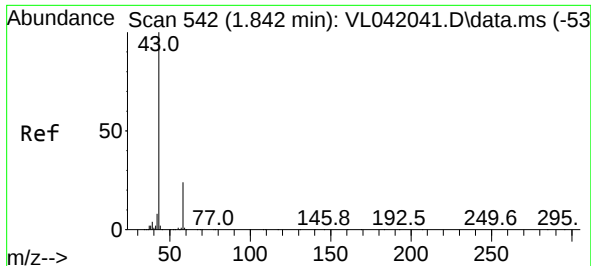
Tgt Ion: 45 Resp: 2409

Ion Ratio Lower Upper

45 100

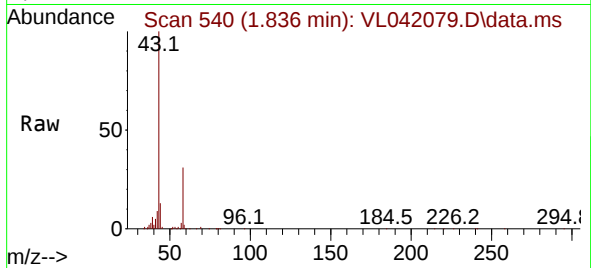
46 0.0 17.1 68.3#





#15
Acetone
Concen: 1.984 ppbv
RT: 1.836 min Scan# 54
Delta R.T. -0.006 min
Lab File: VL042079.D
Acq: 03 Mar 2025 16:23

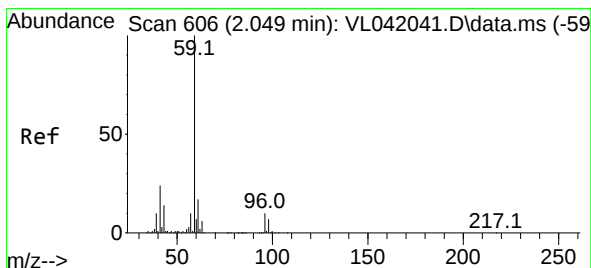
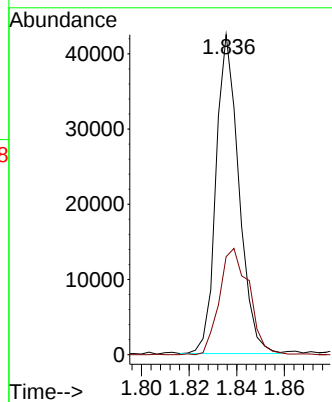
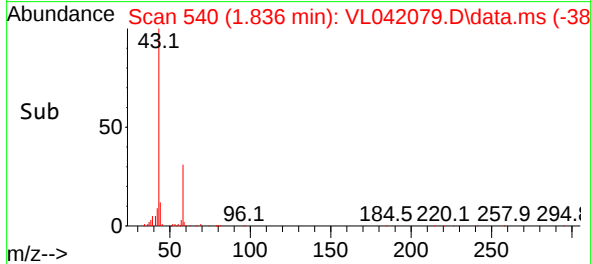
Instrument :
MSVOA_L
ClientSampleId :
SV3



Tgt Ion: 43 Resp: 2826
Ion Ratio Lower Upper
43 100
58 43.4 20.7 31.1

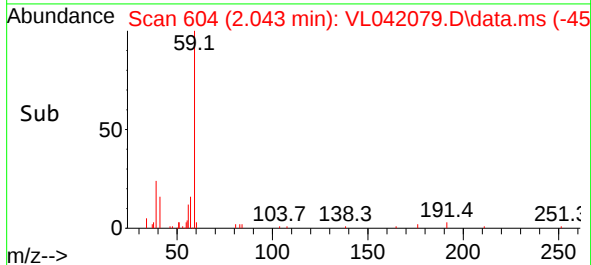
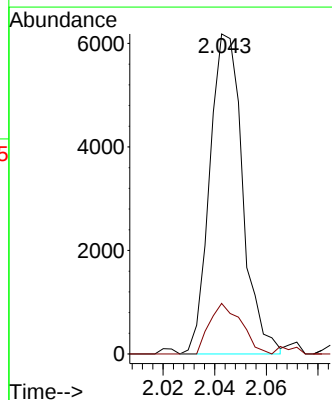
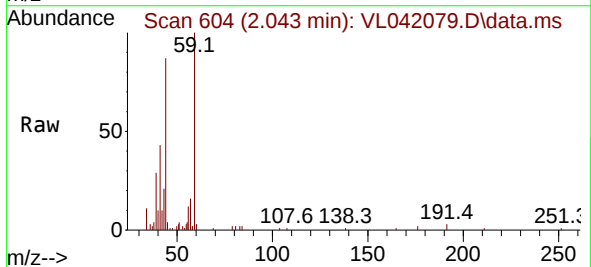
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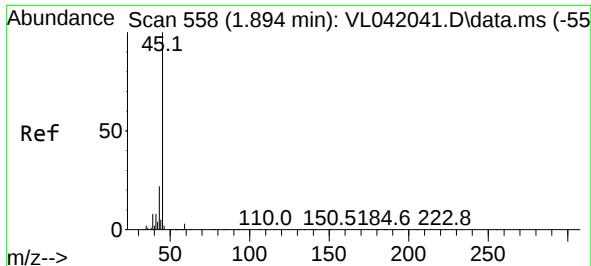
Reviewed By :Semsettin Yesilyurt 03/04/2025
Supervised By :Mahesh Dadoda 03/05/2025



#17
tert-Butyl alcohol
Concen: 0.307 ppbv
RT: 2.043 min Scan# 604
Delta R.T. -0.006 min
Lab File: VL042079.D
Acq: 03 Mar 2025 16:23

Tgt Ion: 59 Resp: 5467
Ion Ratio Lower Upper
59 100
57 16.6 9.3 13.9





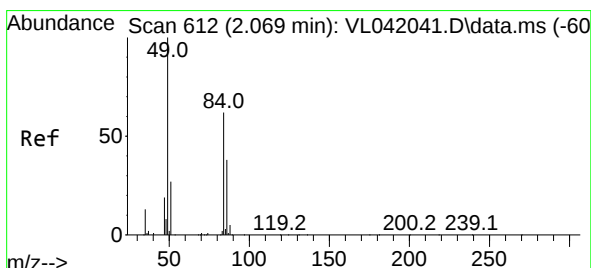
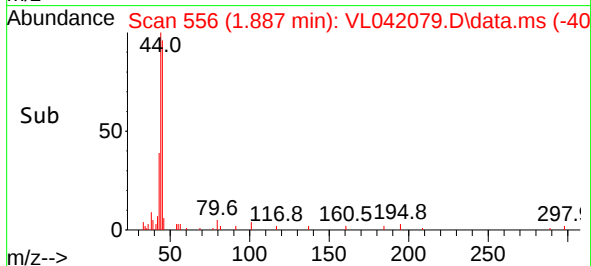
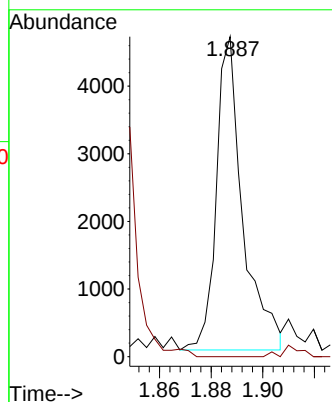
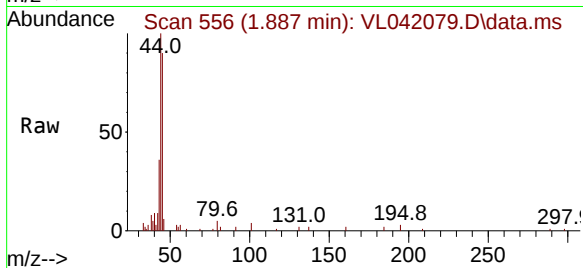
#19
Isopropyl Alcohol
Concen: 0.402 ppbv
RT: 1.887 min Scan# 51
Delta R.T. -0.006 min
Lab File: VL042079.D
Acq: 03 Mar 2025 16:23

Instrument :
MSVOA_L
ClientSampleId :
SV3

Tgt Ion: 45 Resp: 329
Ion Ratio Lower Upper
45 100
58 373.2 35.3 52.9

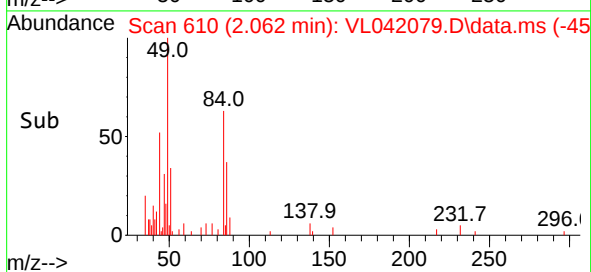
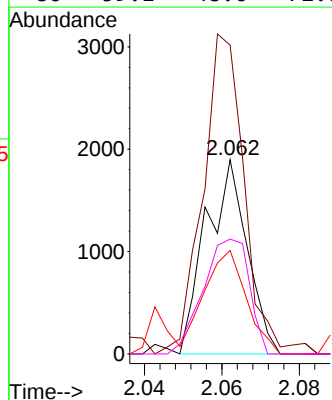
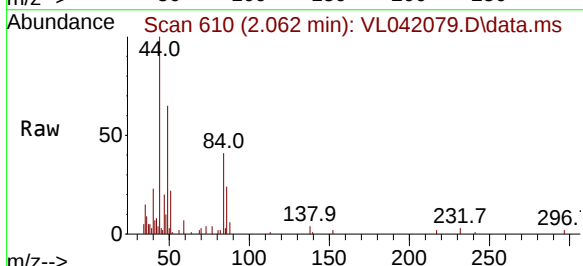
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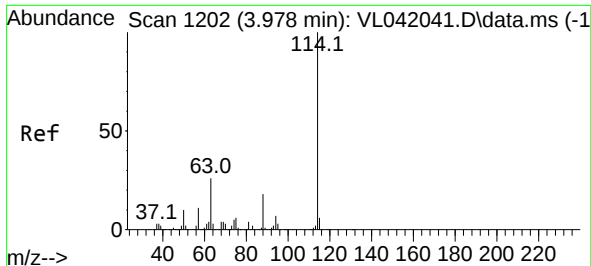
Reviewed By :Semsettin Yesilyurt 03/04/2025
Supervised By :Mahesh Dadoda 03/05/2025



#20
Methylene Chloride
Concen: 0.260 ppbv
RT: 2.062 min Scan# 610
Delta R.T. -0.006 min
Lab File: VL042079.D
Acq: 03 Mar 2025 16:23

Tgt Ion: 84 Resp: 1402
Ion Ratio Lower Upper
84 100
49 155.3 130.0 195.0
51 53.3 37.4 56.0
86 59.1 48.6 72.8





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.959 min Scan# 1196

Delta R.T. -0.019 min

Lab File: VL042079.D

Acq: 03 Mar 2025 16:23

Instrument :

MSVOA_L

ClientSampleId :

SV3

Tgt Ion:114 Resp: 360438

Ion Ratio Lower Upper

114 100

63 27.0 20.1 30.1

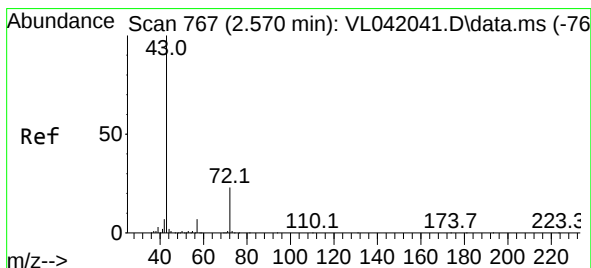
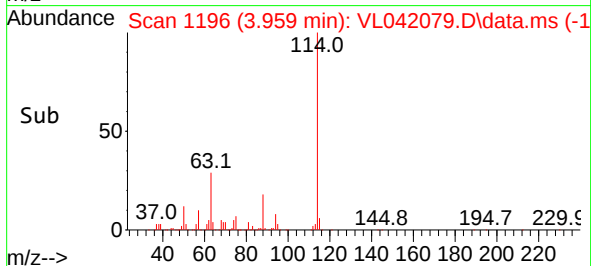
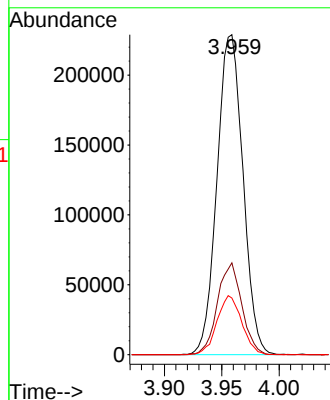
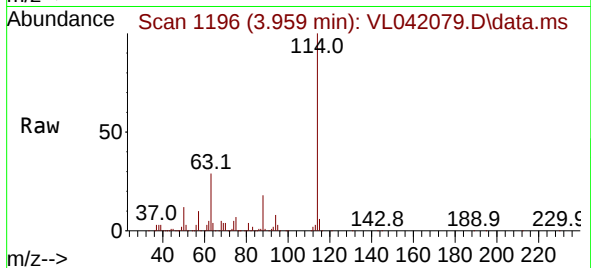
88 17.6 14.3 21.5

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/04/2025

Supervised By :Mahesh Dadoda 03/05/2025



#34

2-Butanone

Concen: 3.617 ppbv

RT: 2.557 min Scan# 763

Delta R.T. -0.013 min

Lab File: VL042079.D

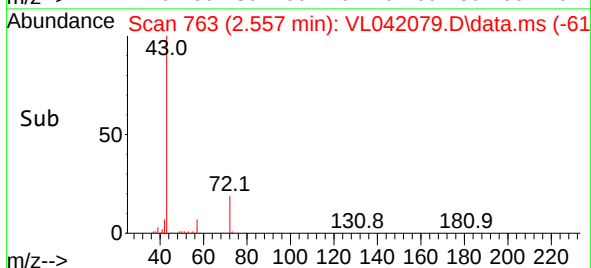
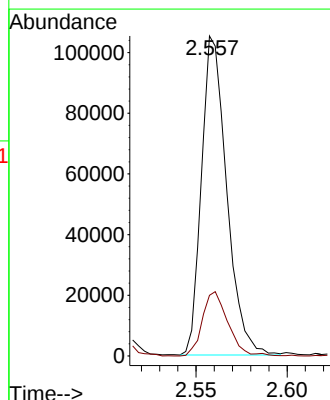
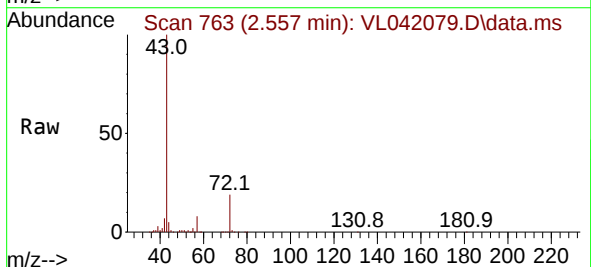
Acq: 03 Mar 2025 16:23

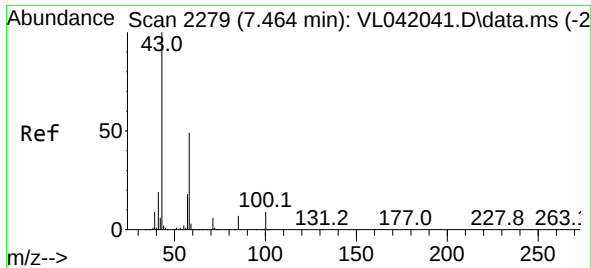
Tgt Ion: 43 Resp: 101561

Ion Ratio Lower Upper

43 100

72 20.5 18.5 27.7





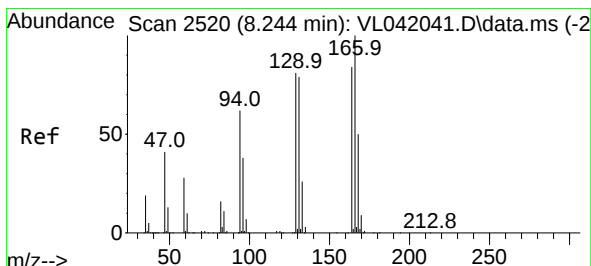
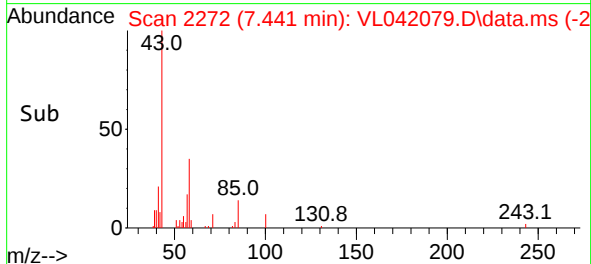
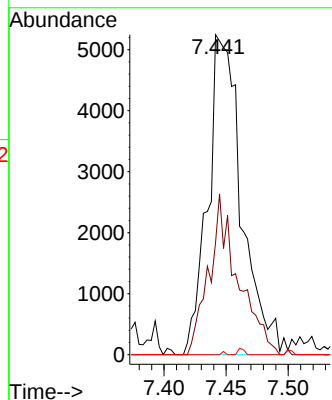
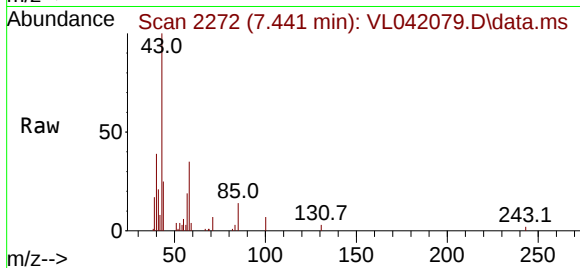
#51
2-Hexanone
Concen: 0.396 ppbv m
RT: 7.441 min Scan# 2114
Delta R.T. -0.023 min
Lab File: VL042079.D
Acq: 03 Mar 2025 16:23

Instrument :
MSVOA_L
ClientSampleId :
SV3

Tgt Ion: 43 Resp: 989
Ion Ratio Lower Upper
43 100
58 43.6 39.0 58.6
98 0.5 0.1 0.1

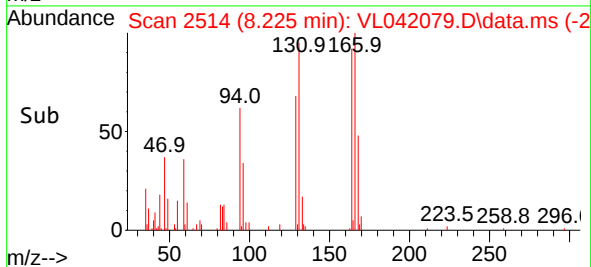
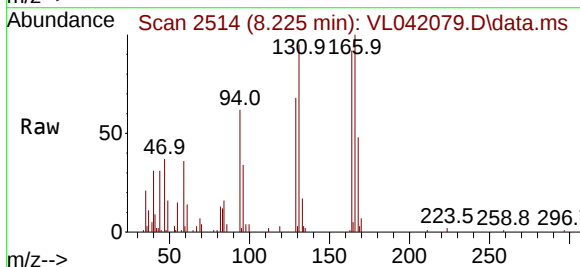
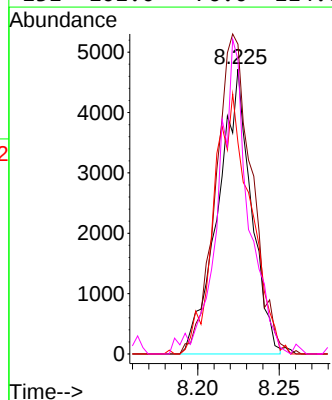
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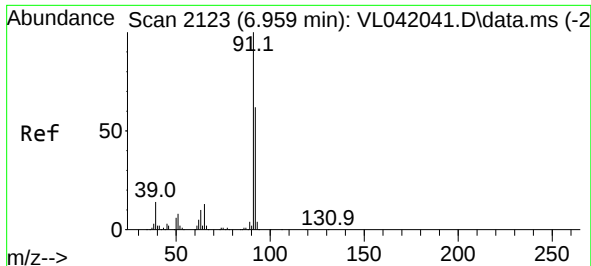
Reviewed By :Semsettin Yesilyurt 03/04/2025
Supervised By :Mahesh Dadoda 03/05/2025



#52
Tetrachloroethene
Concen: 0.516 ppbv
RT: 8.225 min Scan# 2514
Delta R.T. -0.019 min
Lab File: VL042079.D
Acq: 03 Mar 2025 16:23

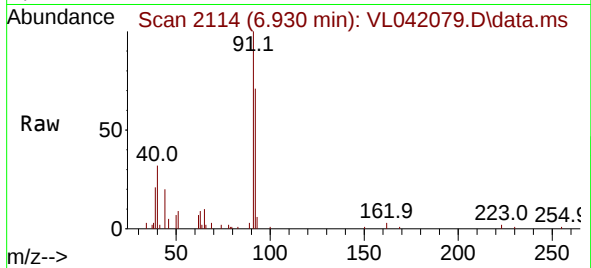
Tgt Ion:164 Resp: 6663
Ion Ratio Lower Upper
164 100
166 108.8 95.7 143.5
129 74.2 77.1 115.7#
131 101.0 76.0 114.0





#53
Toluene
Concen: 0.288 ppbv
RT: 6.930 min Scan# 2114
Delta R.T. -0.029 min
Lab File: VL042079.D
Acq: 03 Mar 2025 16:23

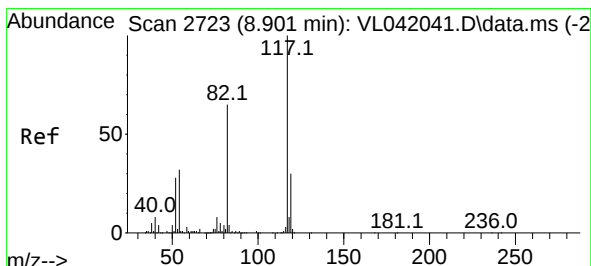
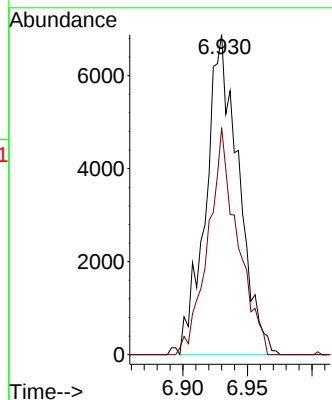
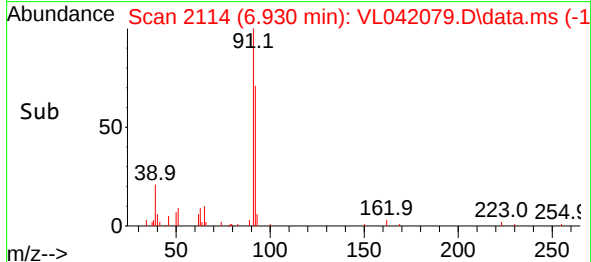
Instrument :
MSVOA_L
ClientSampleId :
SV3



Tgt Ion: 91 Resp: 1213
Ion Ratio Lower Upper
91 100
92 64.1 49.0 73.6

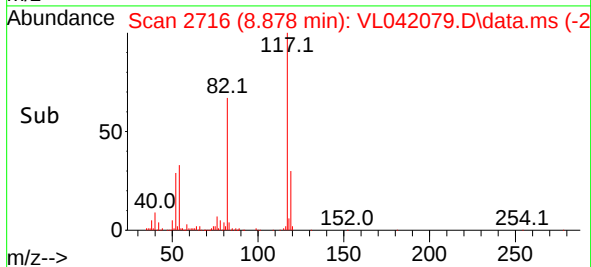
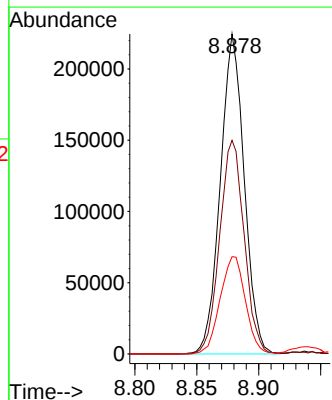
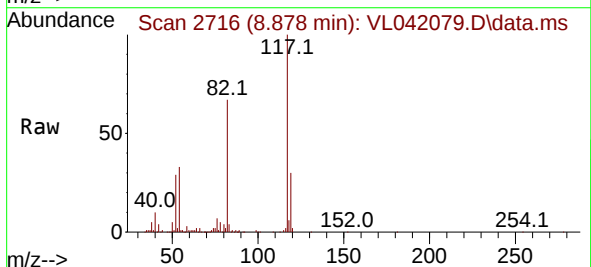
Manual Integrations
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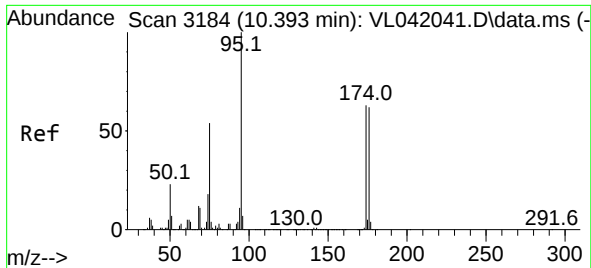
Reviewed By :Semsettin Yesilyurt 03/04/2025
Supervised By :Mahesh Dadoda 03/05/2025



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.878 min Scan# 2716
Delta R.T. -0.023 min
Lab File: VL042079.D
Acq: 03 Mar 2025 16:23

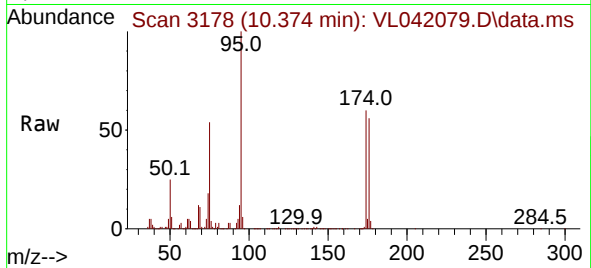
Tgt Ion:117 Resp: 301876
Ion Ratio Lower Upper
117 100
82 68.4 55.0 82.6
119 32.1 25.9 38.9





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.941 ppbv
 RT: 10.374 min Scan# 31
 Delta R.T. -0.019 min
 Lab File: VL042079.D
 Acq: 03 Mar 2025 16:23

Instrument :
 MSVOA_L
 ClientSampleId :
 SV3



Tgt Ion: 95 Resp: 23088
 Ion Ratio Lower Upper
 95 100
 174 61.3 51.8 77.6
 175 4.3 3.9 5.9

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 03/04/2025
 Supervised By :Mahesh Dadoda 03/05/2025

