

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040425\
 Data File : VL042223.D
 Acq On : 04 Apr 2025 13:51
 Operator : SY/MD
 Sample : Q1691-01DL 5X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA2RDL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/07/2025
 Supervised By :Mahesh Dadoda 04/08/2025

Quant Time: Apr 05 02:03:28 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri 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	188056	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.955	114	512545	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.882	117	440550	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	345208	9.542	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.400%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.496	85	3185	0.115	ppbv	95
4) Chloromethane	1.531	50	2519	0.222	ppbv	94
9) Propene	1.486	41	2285m	0.176	ppbv	
13) Ethanol	1.719	45	16051	13.060	ppbv	83
15) Acetone	1.835	43	55932	2.127	ppbv	93
29) Chloroform	2.849	83	7103	0.184	ppbv	86
34) 2-Butanone	2.564	43	8233	0.222	ppbv	97
52) Tetrachloroethene	8.221	164	997m	0.049	ppbv	

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

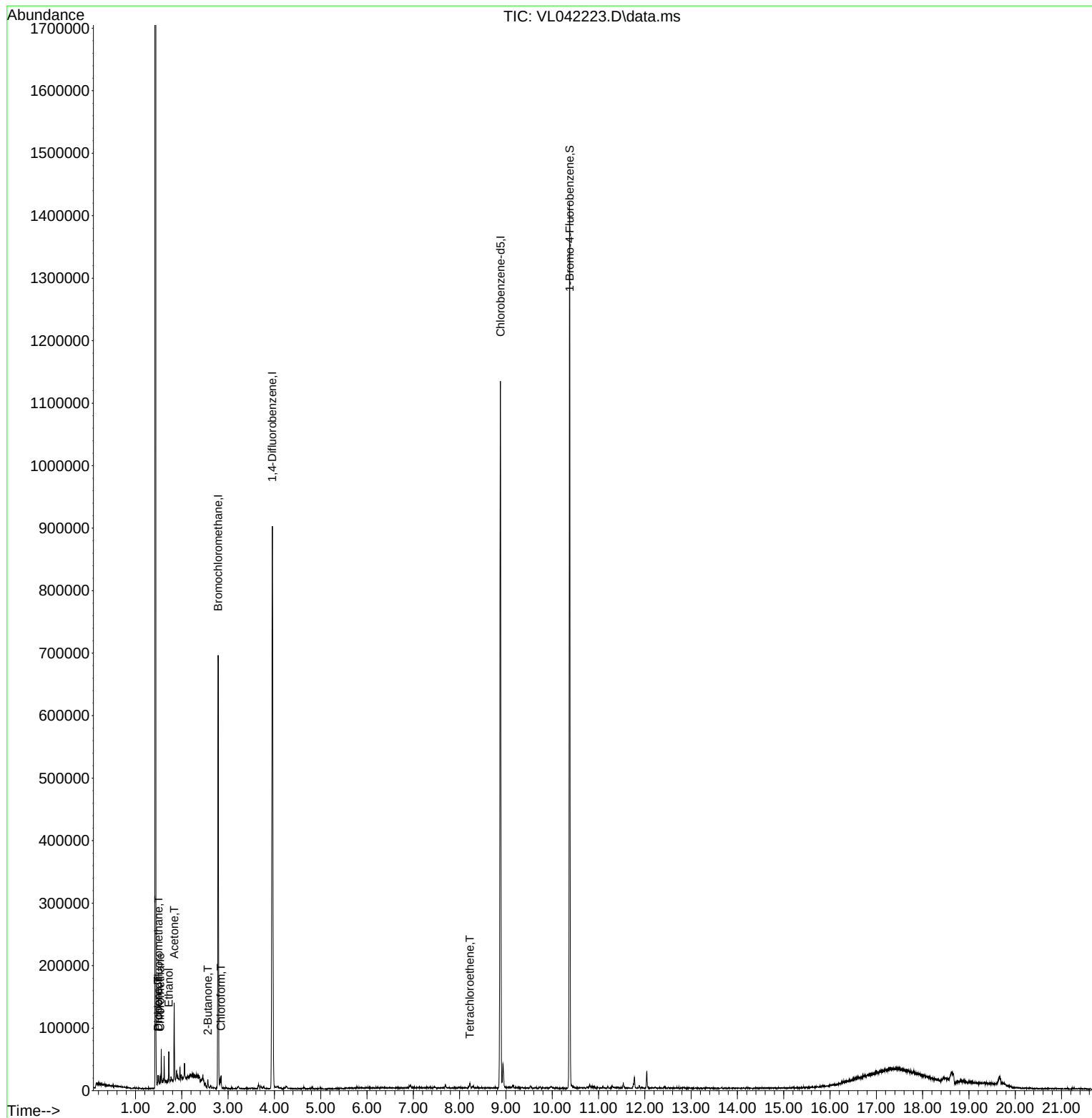
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040425\
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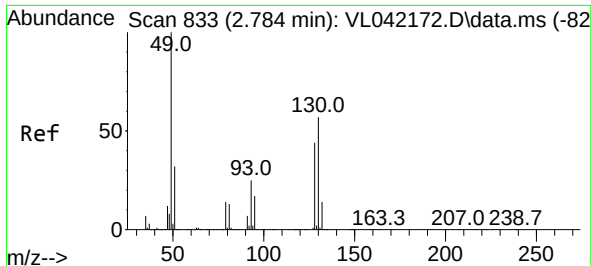
Instrument :
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Quant Time: Apr 05 02:03:28 2025
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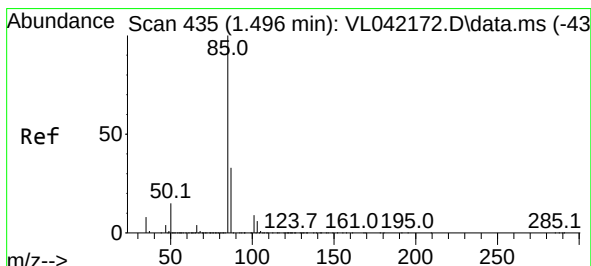
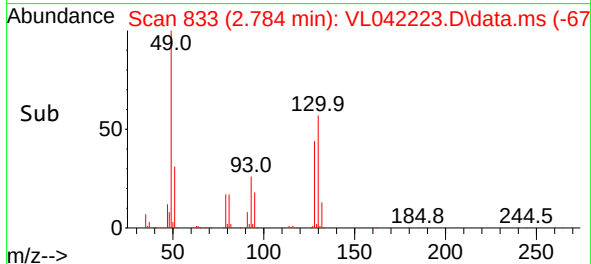
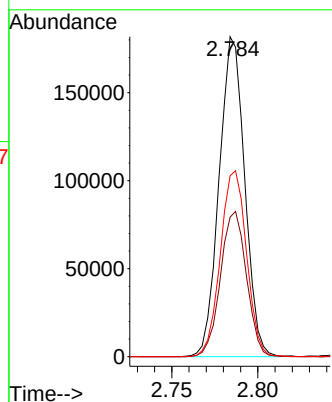
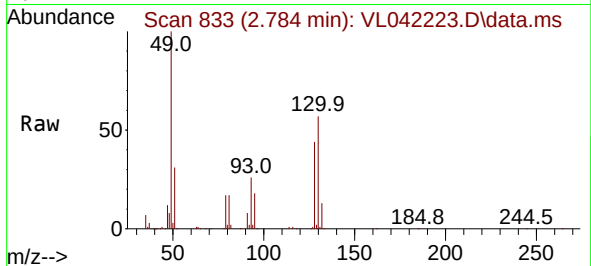
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 81
Delta R.T. -0.000 min
Lab File: VL042223.D
Acq: 04 Apr 2025 13:51

Instrument :
MSVOA_L
ClientSampleId :
IA2RDL

Tgt Ion: 49 Resp: 188050
Ion Ratio Lower Upper
49 100
128 46.1 22.9 68.5
130 59.4 28.8 86.4

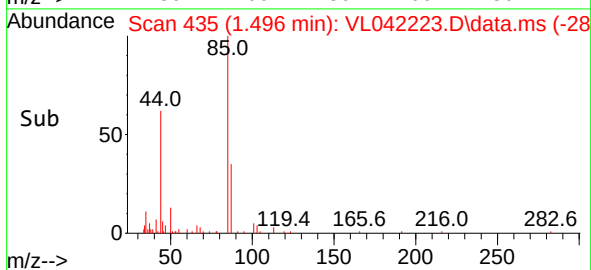
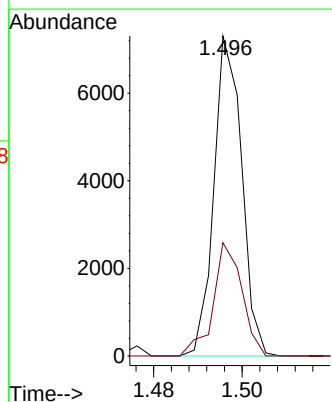
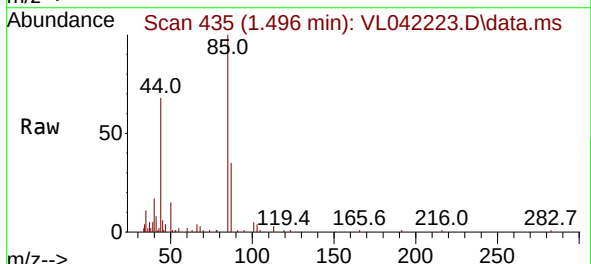
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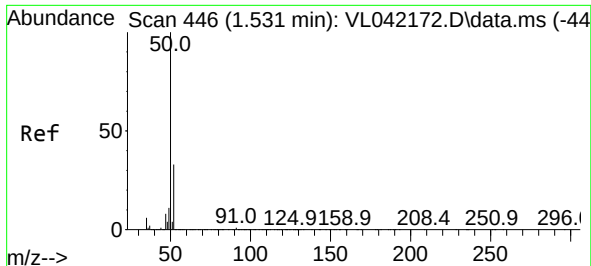
Reviewed By :Semsettin Yesilyurt 04/07/2025
Supervised By :Mahesh Dadoda 04/08/2025



#2
Dichlorodifluoromethane
Concen: 0.115 ppbv
RT: 1.496 min Scan# 435
Delta R.T. -0.000 min
Lab File: VL042223.D
Acq: 04 Apr 2025 13:51

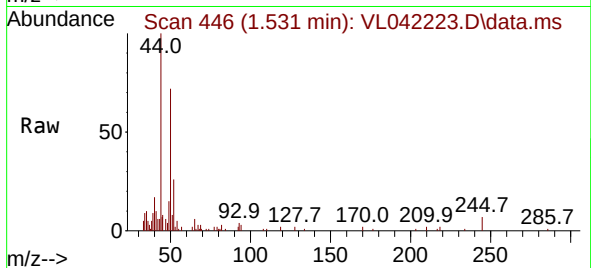
Tgt Ion: 85 Resp: 3185
Ion Ratio Lower Upper
85 100
87 35.4 26.1 39.1





#4
Chloromethane
Concen: 0.222 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL042223.D
Acq: 04 Apr 2025 13:51

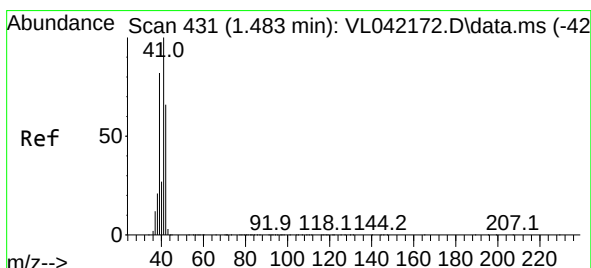
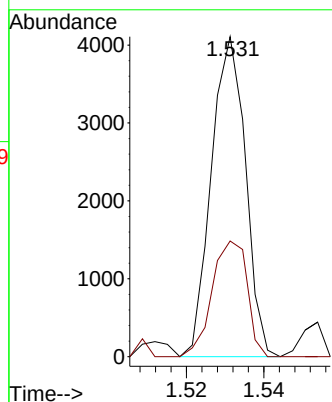
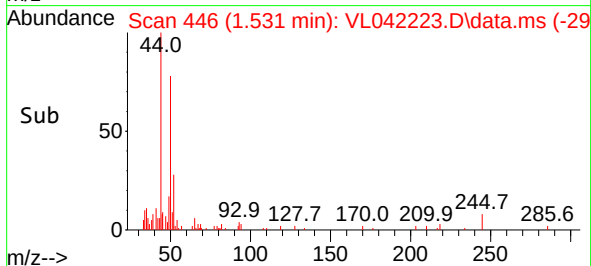
Instrument :
MSVOA_L
ClientSampleId :
IA2RDL



Tgt Ion: 50 Resp: 2519
Ion Ratio Lower Upper
50 100
52 36.1 26.1 39.1

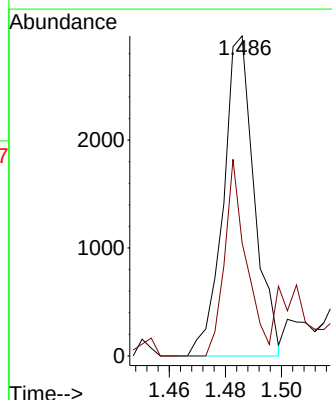
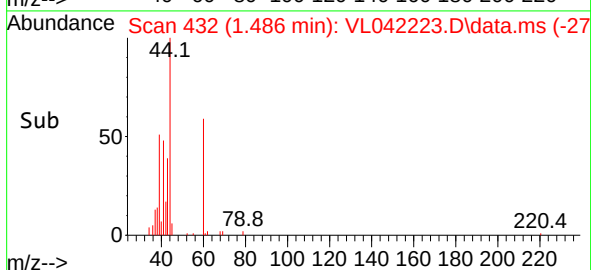
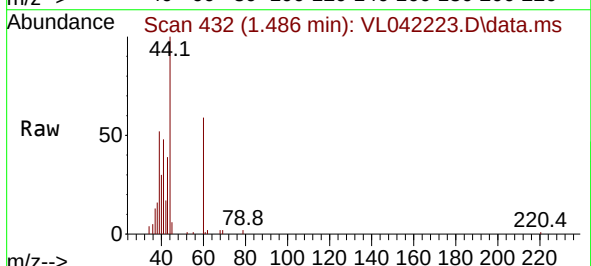
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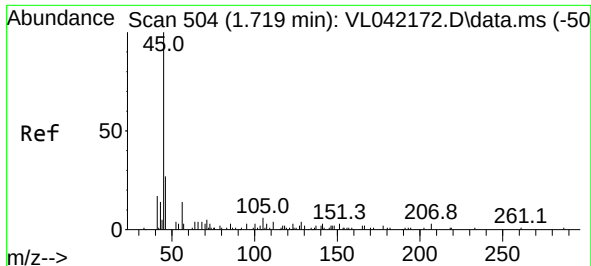
Reviewed By :Semsettin Yesilyurt 04/07/2025
Supervised By :Mahesh Dadoda 04/08/2025



#9
Propene
Concen: 0.176 ppbv m
RT: 1.486 min Scan# 432
Delta R.T. 0.003 min
Lab File: VL042223.D
Acq: 04 Apr 2025 13:51

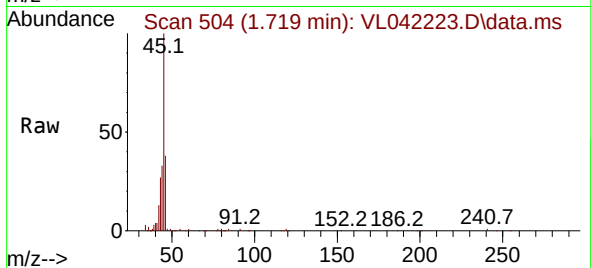
Tgt Ion: 41 Resp: 2285
Ion Ratio Lower Upper
41 100
42 87.6 55.4 83.2#





#13
Ethanol
Concen: 13.060 ppbv
RT: 1.719 min Scan# 504
Delta R.T. -0.000 min
Lab File: VL042223.D
Acq: 04 Apr 2025 13:51

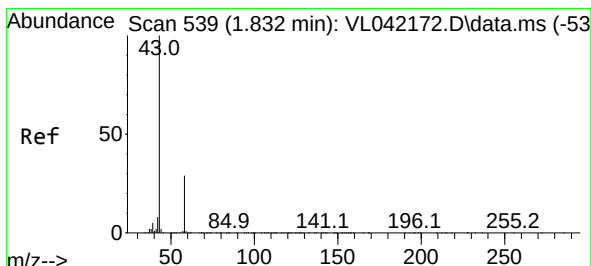
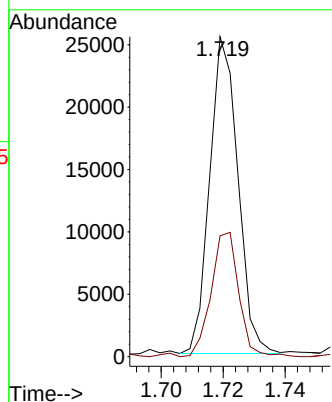
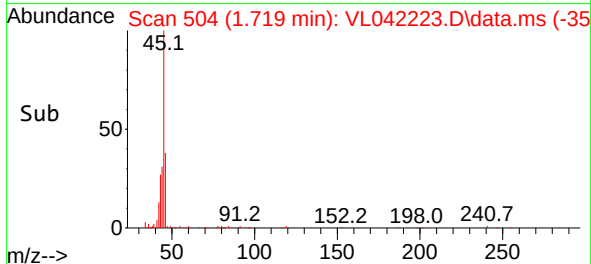
Instrument :
MSVOA_L
ClientSampleId :
IA2RDL



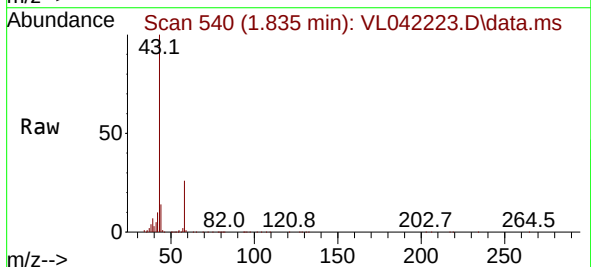
Tgt Ion: 45 Resp: 1605
Ion Ratio Lower Upper
45 100
46 39.0 20.2 80.8

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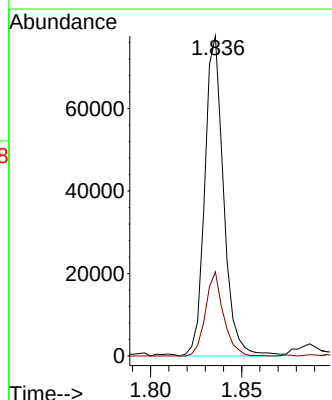
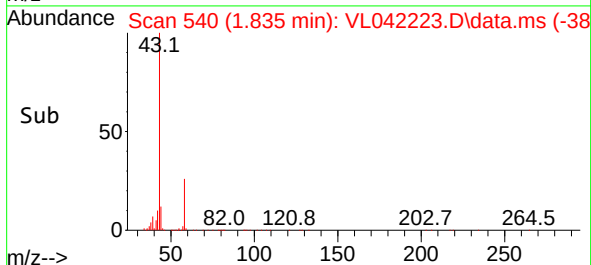
Reviewed By :Semsettin Yesilyurt 04/07/2025
Supervised By :Mahesh Dadoda 04/08/2025

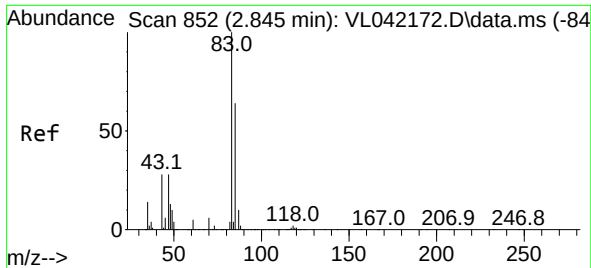


#15
Acetone
Concen: 2.127 ppbv
RT: 1.835 min Scan# 540
Delta R.T. 0.003 min
Lab File: VL042223.D
Acq: 04 Apr 2025 13:51



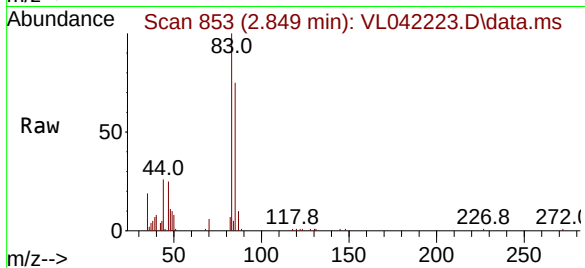
Tgt Ion: 43 Resp: 55932
Ion Ratio Lower Upper
43 100
58 25.0 23.2 34.8





#29
Chloroform
Concen: 0.184 ppbv
RT: 2.849 min Scan# 853
Delta R.T. 0.003 min
Lab File: VL042223.D
Acq: 04 Apr 2025 13:51

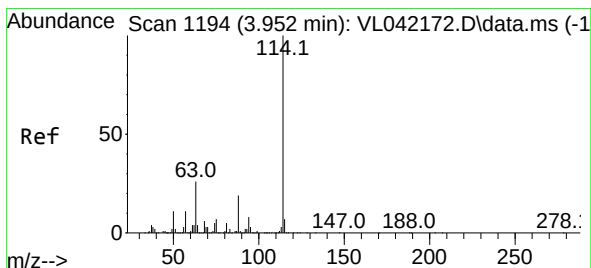
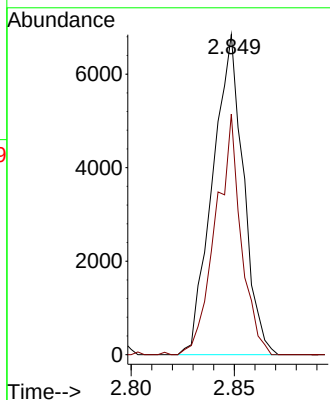
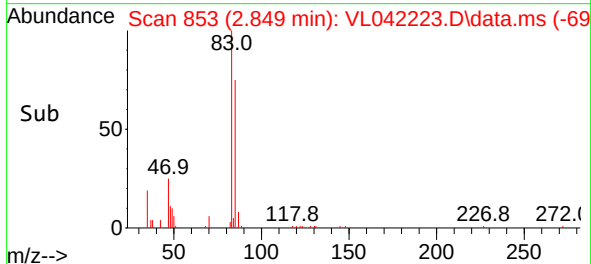
Instrument :
MSVOA_L
ClientSampleId :
IA2RDL



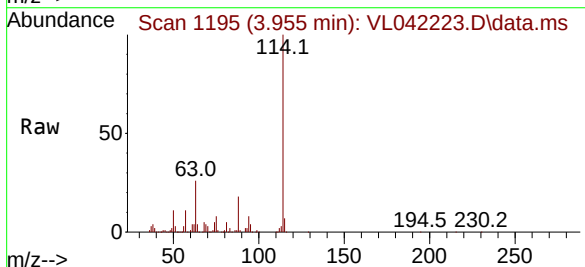
Tgt Ion: 83 Resp: 710
Ion Ratio Lower Upper
83 100
85 75.2 51.4 77.2

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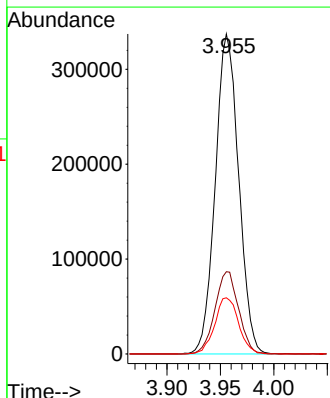
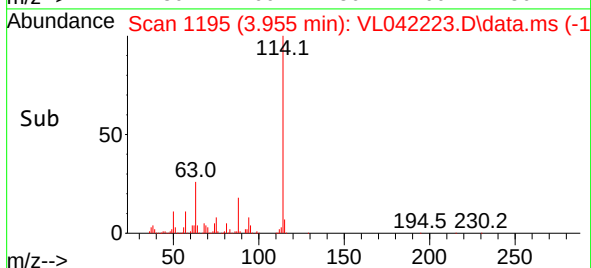
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Supervised By :Mahesh Dadoda 04/08/2025

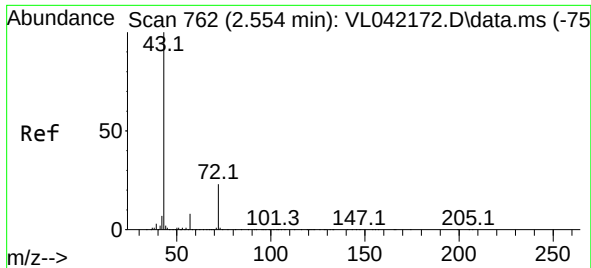


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.955 min Scan# 1195
Delta R.T. 0.003 min
Lab File: VL042223.D
Acq: 04 Apr 2025 13:51



Tgt Ion:114 Resp: 512545
Ion Ratio Lower Upper
114 100
63 26.1 20.7 31.1
88 18.0 15.0 22.4





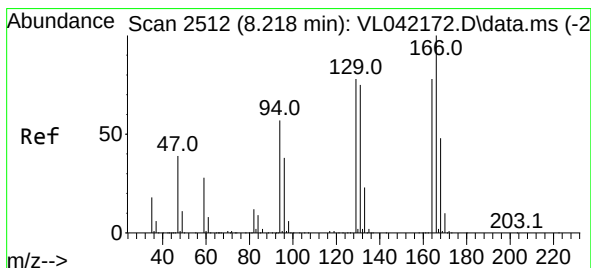
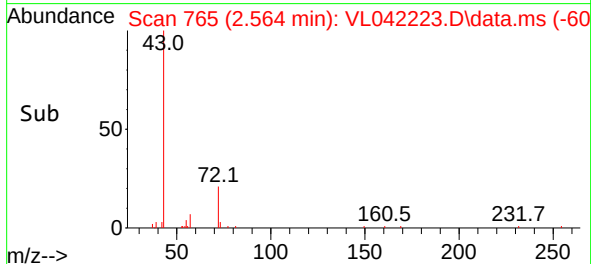
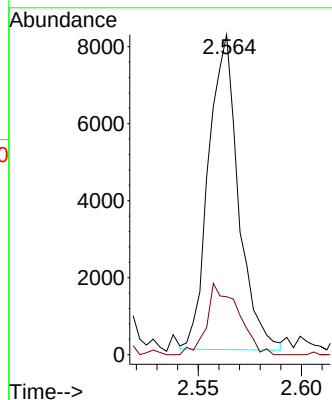
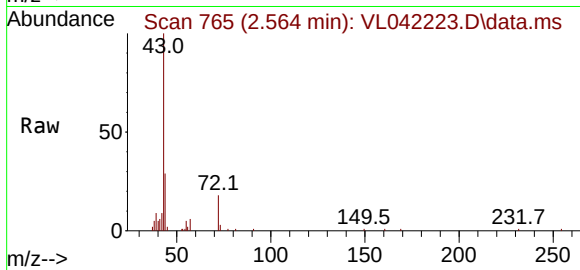
#34
2-Butanone
Concen: 0.222 ppbv
RT: 2.564 min Scan# 762
Delta R.T. 0.010 min
Lab File: VL042223.D
Acq: 04 Apr 2025 13:51

Instrument :
MSVOA_L
ClientSampleId :
IA2RDL

Tgt Ion: 43 Resp: 823
Ion Ratio Lower Upper
43 100
72 24.3 18.2 27.2

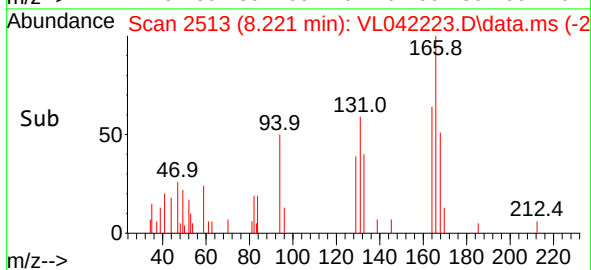
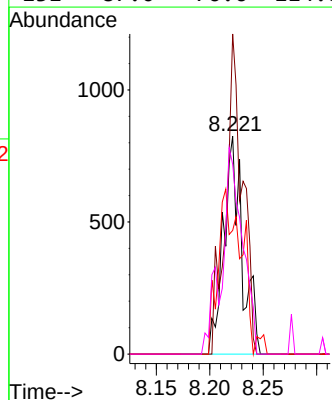
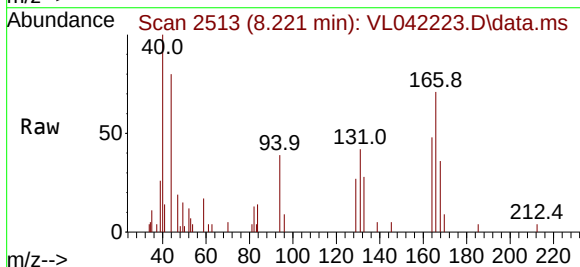
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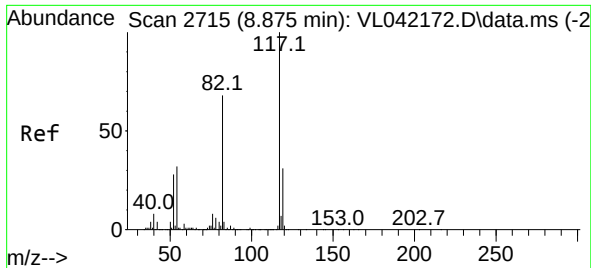
Reviewed By :Semsettin Yesilyurt 04/07/2025
Supervised By :Mahesh Dadoda 04/08/2025



#52
Tetrachloroethene
Concen: 0.049 ppbv m
RT: 8.221 min Scan# 2513
Delta R.T. 0.003 min
Lab File: VL042223.D
Acq: 04 Apr 2025 13:51

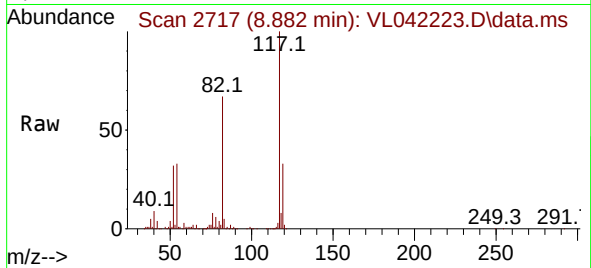
Tgt Ion:164 Resp: 997
Ion Ratio Lower Upper
164 100
166 146.9 102.5 153.7
129 56.7 79.8 119.8#
131 87.0 76.6 114.8





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.882 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL042223.D
Acq: 04 Apr 2025 13:51

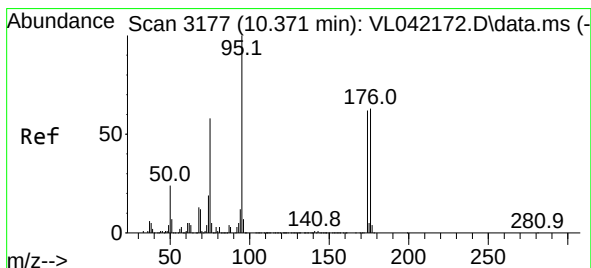
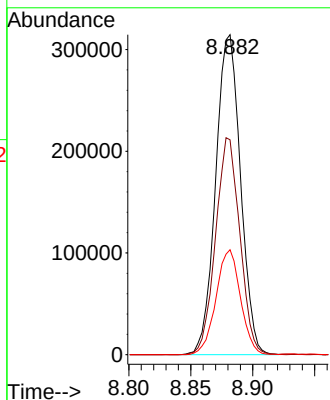
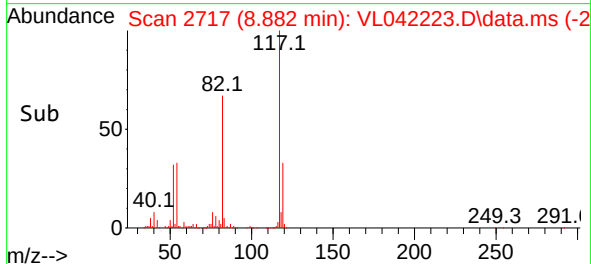
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MSVOA_L
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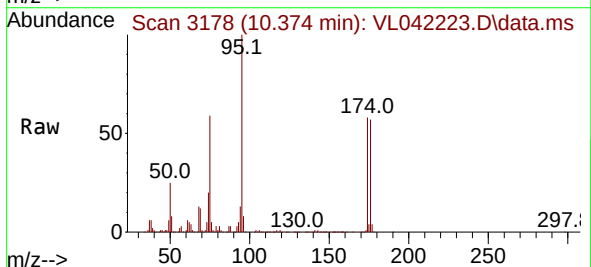
Tgt Ion: 117 Resp: 440550
Ion Ratio Lower Upper
117 100
82 66.2 55.8 83.6
119 32.6 25.5 38.3

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/07/2025
Supervised By :Mahesh Dadoda 04/08/2025



#68
1-Bromo-4-Fluorobenzene
Concen: 9.542 ppbv
RT: 10.374 min Scan# 3178
Delta R.T. 0.003 min
Lab File: VL042223.D
Acq: 04 Apr 2025 13:51



Tgt Ion: 95 Resp: 345208
Ion Ratio Lower Upper
95 100
174 60.4 50.6 76.0
175 4.6 3.8 5.6

