

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042925\
 Data File : VL042456.D
 Acq On : 29 Apr 2025 21:58
 Operator : SY/MD
 Sample : Q1908-02
 Misc : 400mL/MSVOA_L
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 B-2

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/30/2025
 Supervised By :Mahesh Dadoda 04/30/2025

Quant Time: Apr 30 01:26:46 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2

QLast Update : Fri Apr 18 02:14:00 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.790	49	111841	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	295318	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	246635	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.383	95	229841	11.341	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	113.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.499	85	9601	0.486	ppbv	94
3) Chlorodifluoromethane	1.476	51	5392m	0.287	ppbv	
4) Chloromethane	1.531	50	3721	0.476	ppbv #	81
9) Propene	1.489	41	2343	0.273	ppbv	93
11) Trichlorofluoromethane	1.877	101	4603	0.245	ppbv	94
13) Ethanol	1.722	45	10654	7.822	ppbv #	24
15) Acetone	1.839	43	57407	3.136	ppbv	97
20) Methylene Chloride	2.065	84	57764	8.056	ppbv	93
26) Hexane	2.829	57	28892	1.582	ppbv #	31
34) 2-Butanone	2.567	43	4598	0.197	ppbv	98
35) Carbon Tetrachloride	3.768	117	1762m	0.066	ppbv	

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

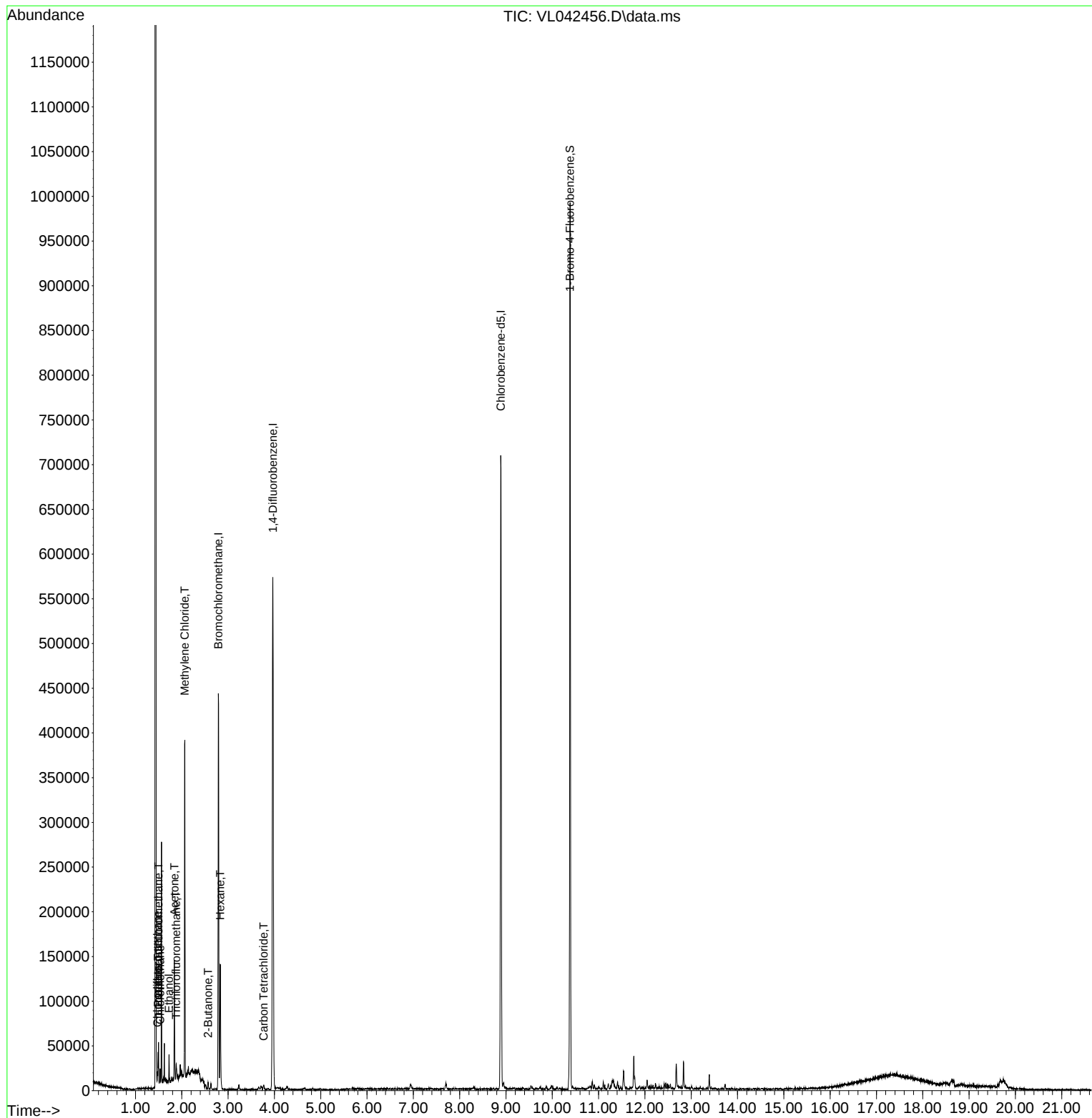
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042925\
Data File : VL042456.D
Acq On : 29 Apr 2025 21:58
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Misc : 400mL/MSVOA_L
ALS Vial : 15 Sample Multiplier: 1

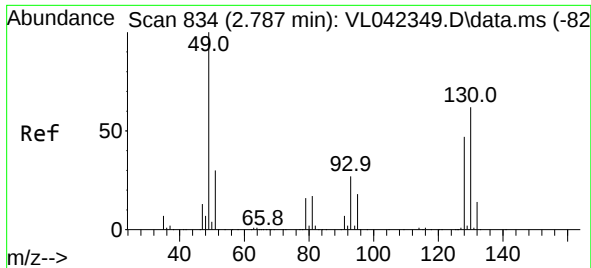
Instrument :
MSVOA_L
ClientSampleId :
B-2

Quant Time: Apr 30 01:26:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
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Response via : Initial Calibration

Manual Integrations
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Supervised By : Mahesh Dadoda 04/30/2025





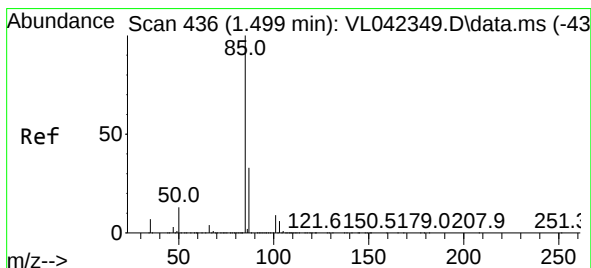
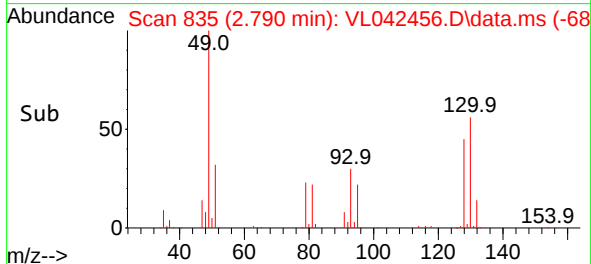
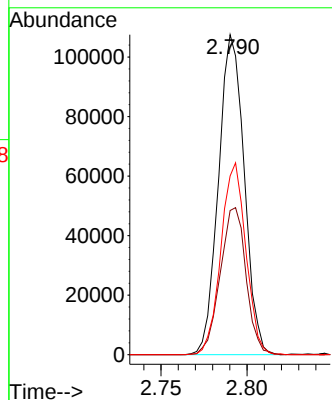
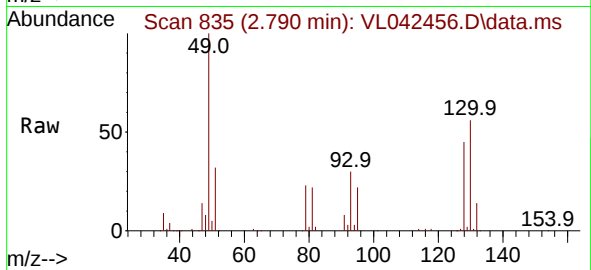
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 834
Delta R.T. 0.003 min
Lab File: VL042456.D
Acq: 29 Apr 2025 21:58

Instrument :
MSVOA_L
ClientSampleId :
B-2

Tgt Ion: 49 Resp: 11184
Ion Ratio Lower Upper
49 100
128 46.1 22.8 68.4
130 58.0 29.3 88.0

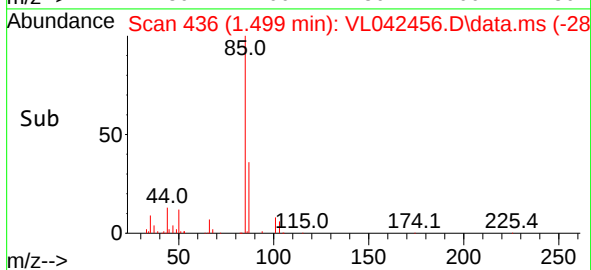
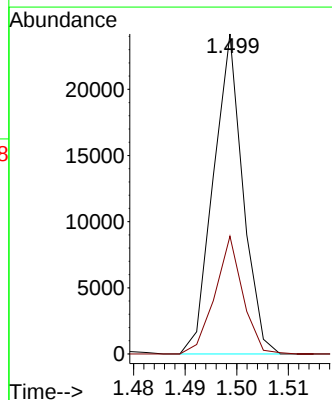
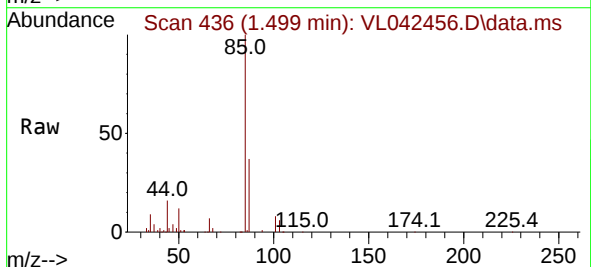
Manual Integrations
APPROVED

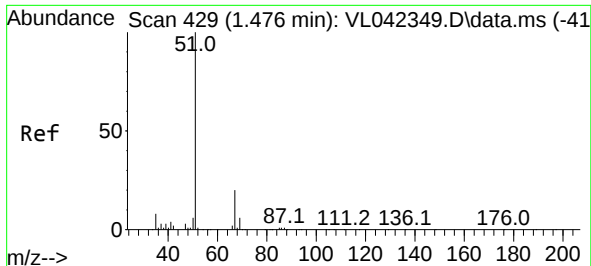
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025



#2
Dichlorodifluoromethane
Concen: 0.486 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.000 min
Lab File: VL042456.D
Acq: 29 Apr 2025 21:58

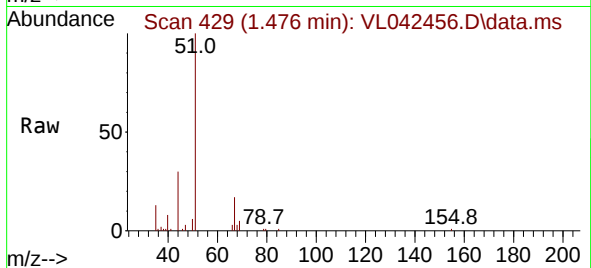
Tgt Ion: 85 Resp: 9601
Ion Ratio Lower Upper
85 100
87 36.8 26.6 39.8





#3
Chlorodifluoromethane
Concen: 0.287 ppbv m
RT: 1.476 min Scan# 429
Delta R.T. -0.000 min
Lab File: VL042456.D
Acq: 29 Apr 2025 21:58

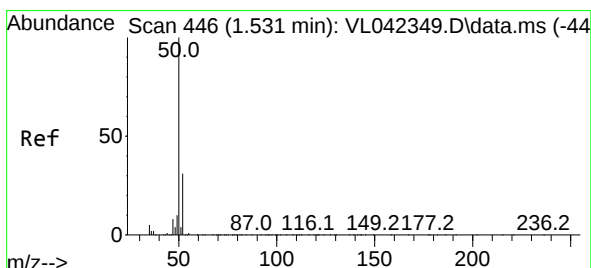
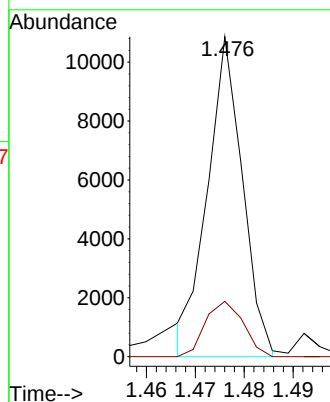
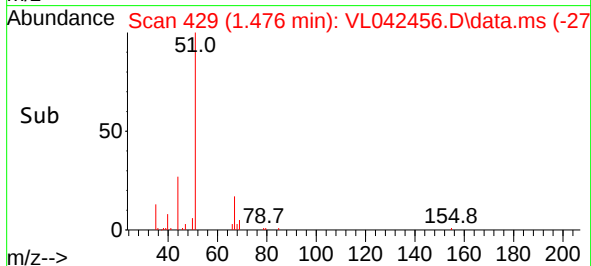
Instrument :
MSVOA_L
ClientSampleId :
B-2



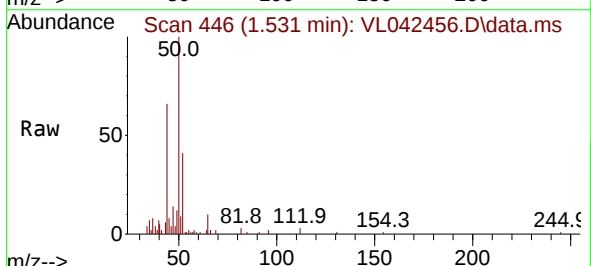
Tgt Ion: 51 Resp: 5392
Ion Ratio Lower Upper
51 100
67 1.5 16.2 24.4

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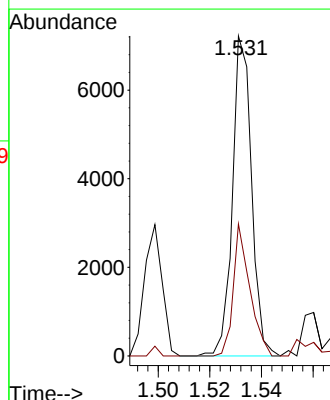
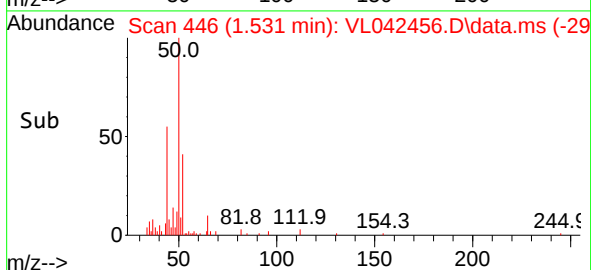
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

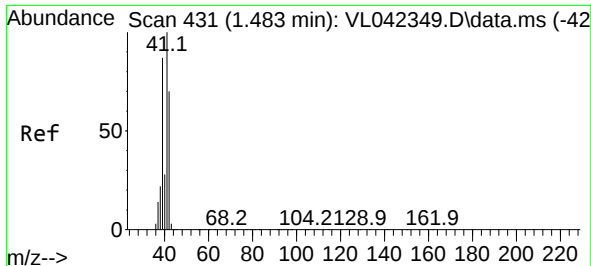


#4
Chloromethane
Concen: 0.476 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL042456.D
Acq: 29 Apr 2025 21:58



Tgt Ion: 50 Resp: 3721
Ion Ratio Lower Upper
50 100
52 41.2 24.7 37.1





#9

Propene

Concen: 0.273 ppbv

RT: 1.489 min Scan# 41

Delta R.T. 0.006 min

Lab File: VL042456.D

Acq: 29 Apr 2025 21:58

Instrument :

MSVOA_L

ClientSampleId :

B-2

Tgt Ion: 41 Resp: 234

Ion Ratio Lower Upper

41 100

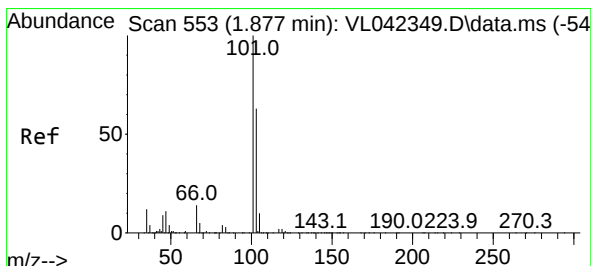
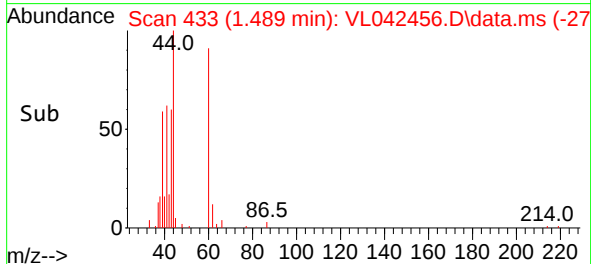
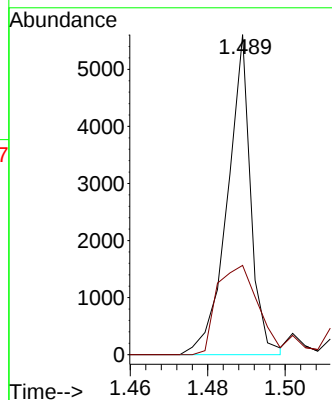
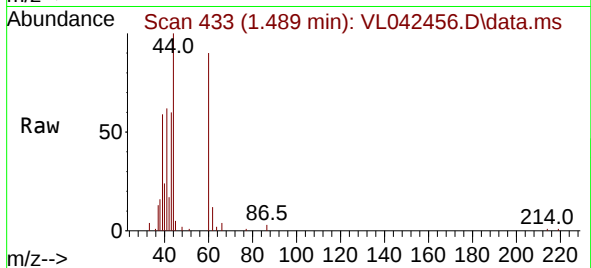
42 64.7 56.2 84.4

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/30/2025

Supervised By :Mahesh Dadoda 04/30/2025



#11

Trichlorofluoromethane

Concen: 0.245 ppbv

RT: 1.877 min Scan# 553

Delta R.T. -0.000 min

Lab File: VL042456.D

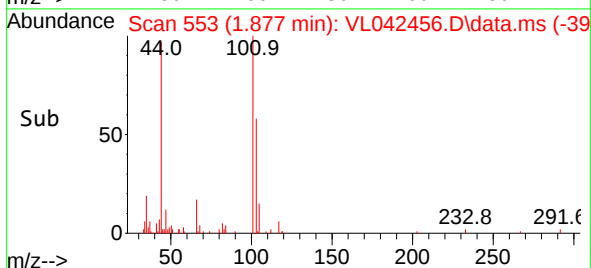
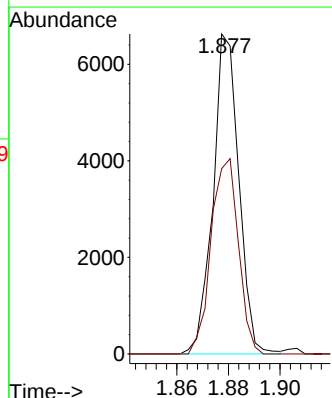
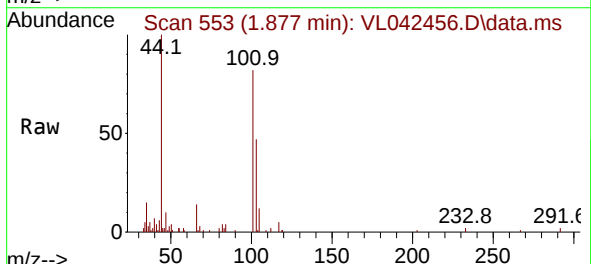
Acq: 29 Apr 2025 21:58

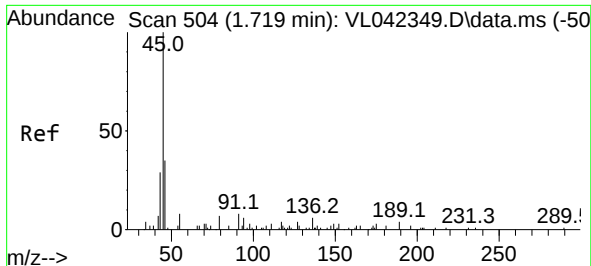
Tgt Ion:101 Resp: 4603

Ion Ratio Lower Upper

101 100

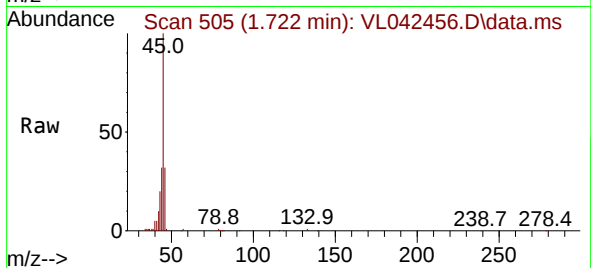
103 57.9 50.1 75.1





#13
Ethanol
Concen: 7.822 ppbv
RT: 1.722 min Scan# 504
Delta R.T. 0.003 min
Lab File: VL042456.D
Acq: 29 Apr 2025 21:58

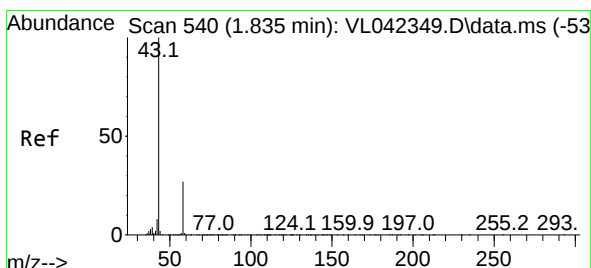
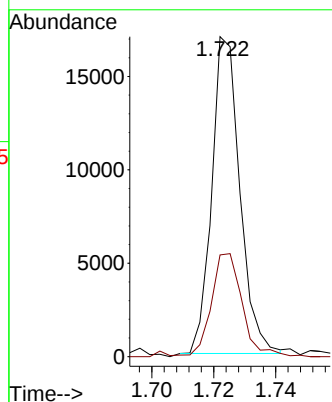
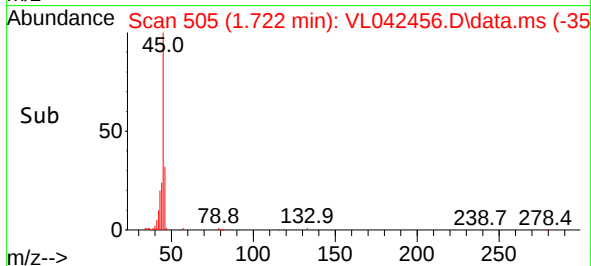
Instrument :
MSVOA_L
ClientSampleId :
B-2



Tgt Ion: 45 Resp: 10654
Ion Ratio Lower Upper
45 100
46 0.0 21.9 87.7

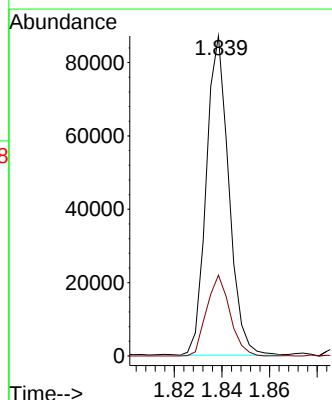
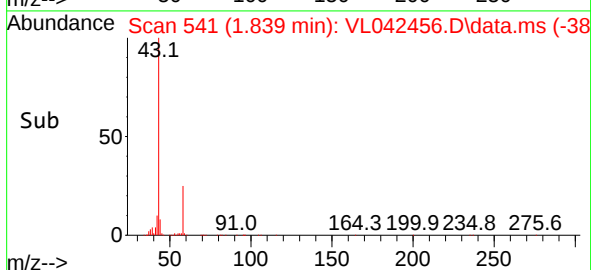
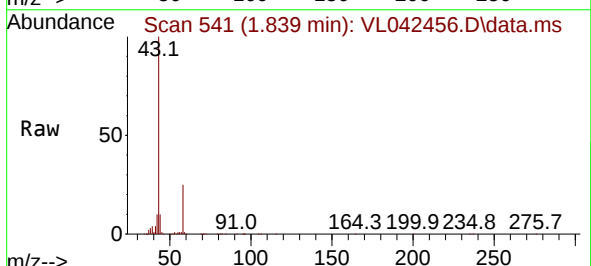
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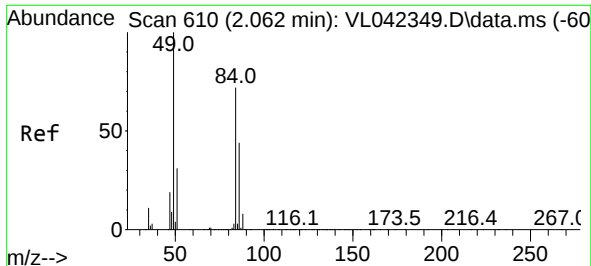
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025



#15
Acetone
Concen: 3.136 ppbv
RT: 1.839 min Scan# 541
Delta R.T. 0.003 min
Lab File: VL042456.D
Acq: 29 Apr 2025 21:58

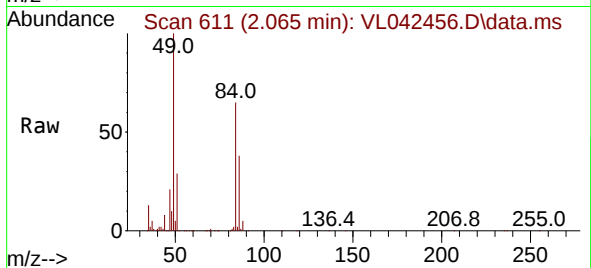
Tgt Ion: 43 Resp: 57407
Ion Ratio Lower Upper
43 100
58 26.2 22.4 33.6





#20
Methylene Chloride
Concen: 8.056 ppbv
RT: 2.065 min Scan# 611
Delta R.T. 0.003 min
Lab File: VL042456.D
Acq: 29 Apr 2025 21:58

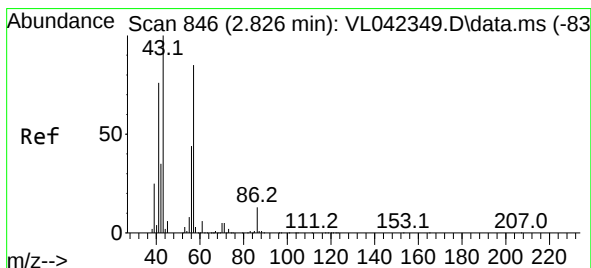
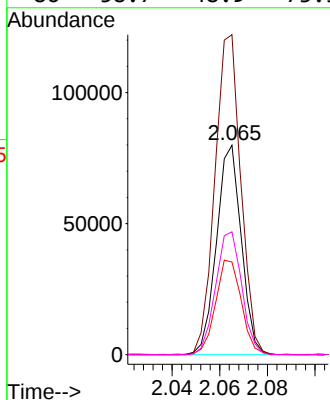
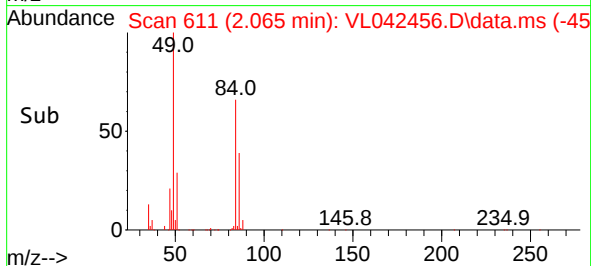
Instrument :
MSVOA_L
ClientSampleId :
B-2



Tgt Ion: 84	Resp: 5776
Ion Ratio	Lower Upper
84 100	
49 152.8	111.6 167.4
51 44.1	35.1 52.7
86 58.7	48.9 73.3

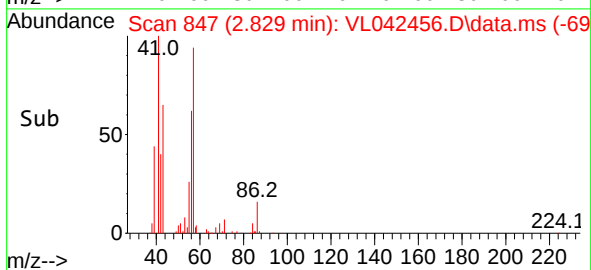
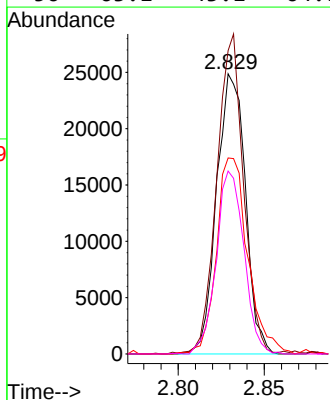
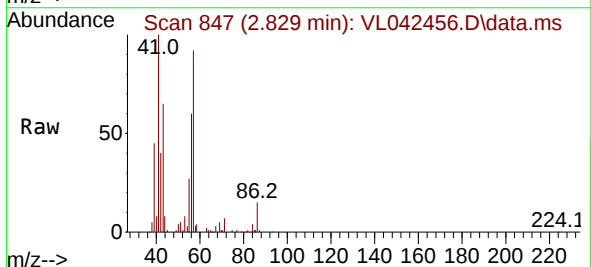
Manual Integrations
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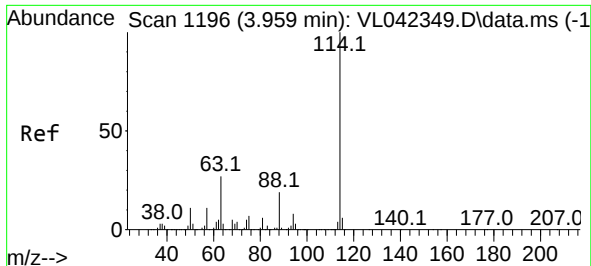
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025



#26
Hexane
Concen: 1.582 ppbv
RT: 2.829 min Scan# 847
Delta R.T. 0.003 min
Lab File: VL042456.D
Acq: 29 Apr 2025 21:58

Tgt	Ion: 57	Resp: 28892	
Ion	Ratio	Lower	Upper
57	100		
41	107.2	77.9	116.9
43	77.9	208.4	312.6#
56	63.1	43.1	64.7





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.965 min Scan# 1196

Delta R.T. 0.006 min

Lab File: VL042456.D

Acq: 29 Apr 2025 21:58

Instrument :

MSVOA_L

ClientSampleId :

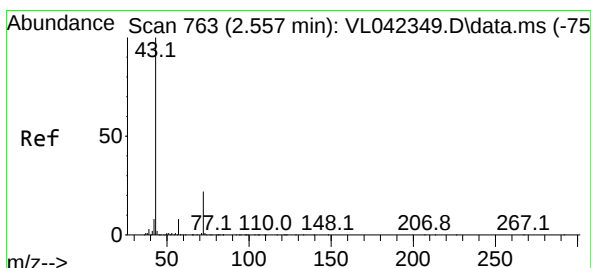
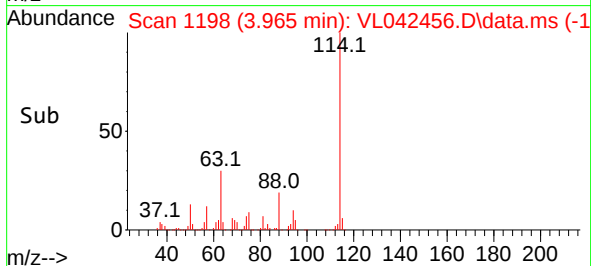
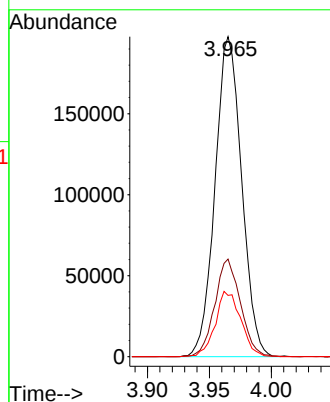
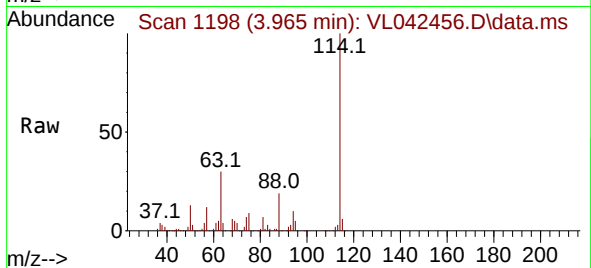
B-2

Tgt Ion:114	Resp:	295318
Ion Ratio	Lower	Upper
114	100	
63	29.6	21.8 32.6
88	19.6	15.5 23.3

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025



#34

2-Butanone

Concen: 0.197 ppbv

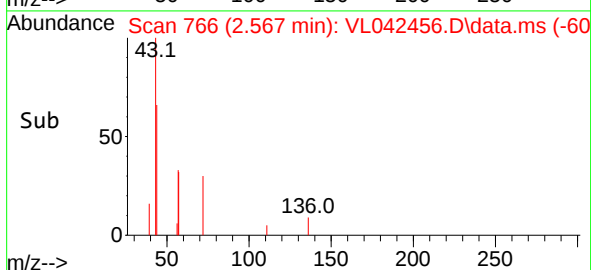
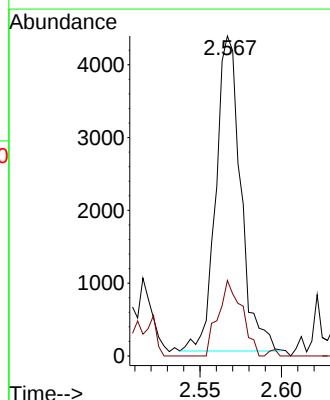
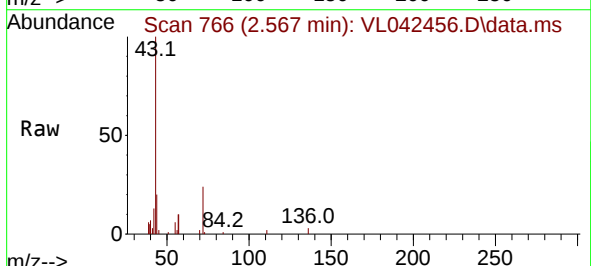
RT: 2.567 min Scan# 766

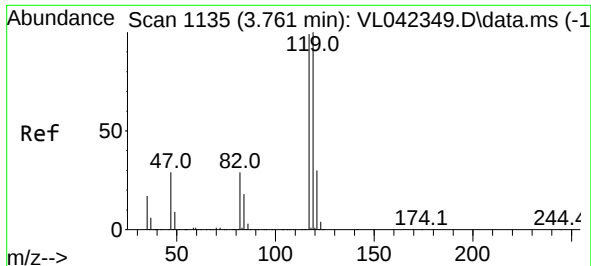
Delta R.T. 0.010 min

Lab File: VL042456.D

Acq: 29 Apr 2025 21:58

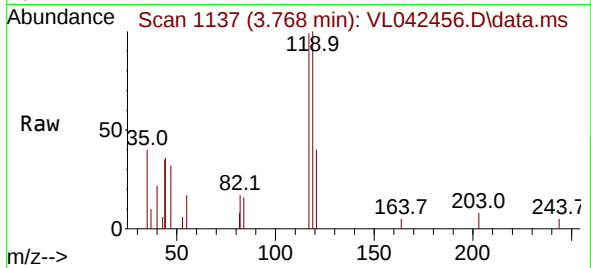
Tgt Ion: 43	Resp:	4598
Ion Ratio	Lower	Upper
43	100	
72	23.4	18.2 27.2





#35
Carbon Tetrachloride
Concen: 0.066 ppbv m
RT: 3.768 min Scan# 1135
Delta R.T. 0.006 min
Lab File: VL042456.D
Acq: 29 Apr 2025 21:58

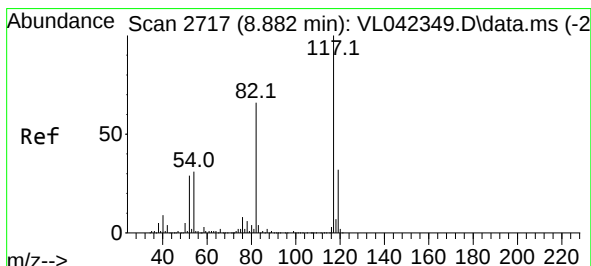
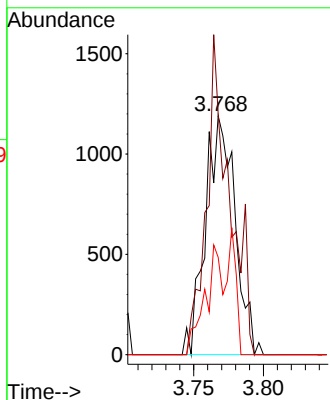
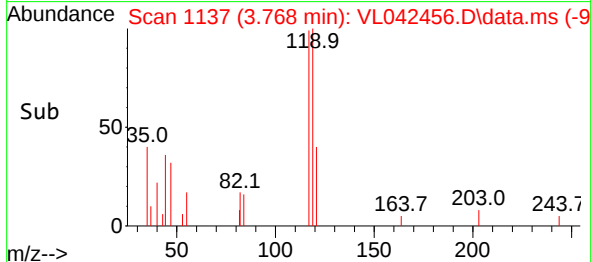
Instrument :
MSVOA_L
ClientSampleId :
B-2



Tgt Ion:117 Resp: 1762
Ion Ratio Lower Upper
117 100
119 100.6 80.5 120.7
121 40.7 24.2 36.2

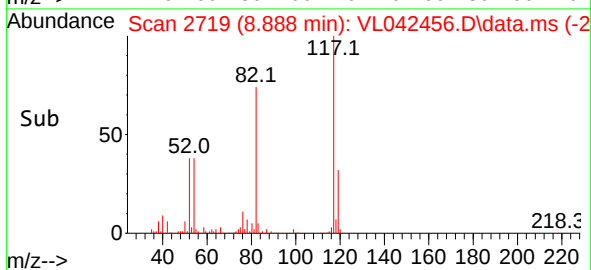
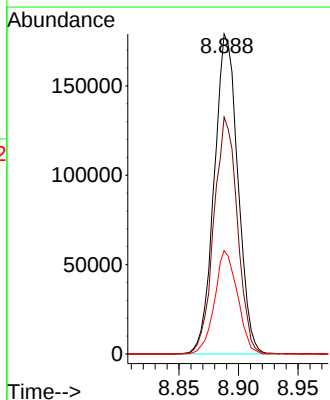
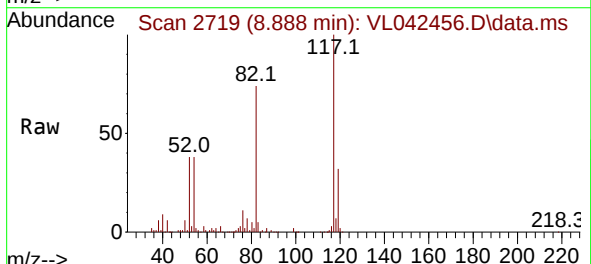
Manual Integrations
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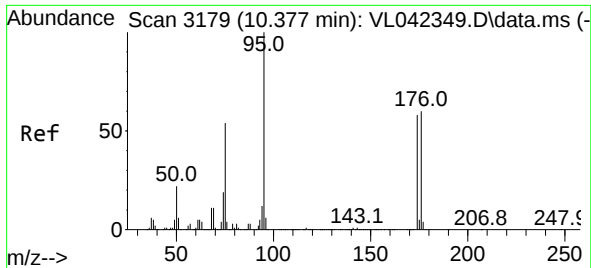
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.888 min Scan# 2719
Delta R.T. 0.006 min
Lab File: VL042456.D
Acq: 29 Apr 2025 21:58

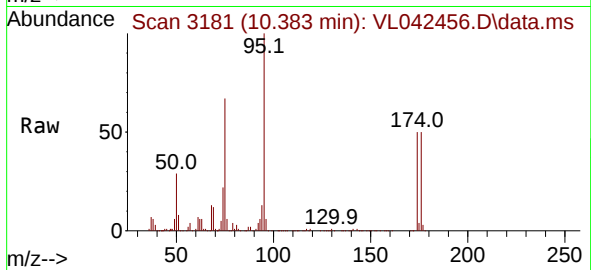
Tgt Ion:117 Resp: 246635
Ion Ratio Lower Upper
117 100
82 73.7 57.8 86.6
119 31.3 25.2 37.8





#68
 1-Bromo-4-Fluorobenzene
 Concen: 11.341 ppbv
 RT: 10.383 min Scan# 3179
 Delta R.T. 0.006 min
 Lab File: VL042456.D
 Acq: 29 Apr 2025 21:58

Instrument :
 MSVOA_L
 ClientSampleId :
 B-2



Tgt Ion: 95 Resp: 22984
 Ion Ratio Lower Upper
 95 100
 174 50.3 48.5 72.7
 175 4.0 3.7 5.5

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/30/2025
 Supervised By :Mahesh Dadoda 04/30/2025

